槽加工和插削

GROOVING AND BROACHING

2023/2024

探索 HORN
EXPLORE HORN

尊敬的*HORN*用户

卓越的结果总是最佳的加工工艺和完美的工具的结合。为了实现这一目标 ,*HORN*结合了先进的技术、性能和可靠性。从单个零件到批量生产 ,适用于标准或特殊应用.我们的工具为您提供快速 ,经济 ,高质量的解决方案。为了帮助您选择切削参数 ,我们目录中的表各自提供了经过验证的经验值。充分利用我们办公室职员和销售工程师的专业知识。

可持续发展是我们企业理念的核心部分。这就是为什么我们一直关注产品和生产的质量保证、环境保护、能源效率和安全。作为高效可靠的工具合作伙伴 ,我们确信您与我们一起创造一个创新和强大的经济未来。

Markus Horn
首席执行官
Paul Horn GmbH

Matthias Rommel
首席执行官
Paul Horn GmbH

Explore HORN

Exceptional results are always a combination of the optimum cutting process and the perfect tool. To achieve this, HORN combines advanced technology, performance and reliability. From single part to series production, for standard or special applications: Our tools offer you fast, economical, high quality solutions. To assist you when choosing cutting parameters, our tables in the respective catalogue provide proven empirical values. Take advantage of the expertise of our office staff and sales engineers.

Sustainability is a central part of our corporate philosophy. That is why we have always focused on quality assurance, environmental protection, energy efficiency and safety with regard to our products and our production. As an efficient and reliable tool partner, we make sure that you join us in an innovative and strong economic future.

Markus Horn
CEO
Paul Horn GmbH

Matthias Rommel
CEO
Paul Horn GmbH

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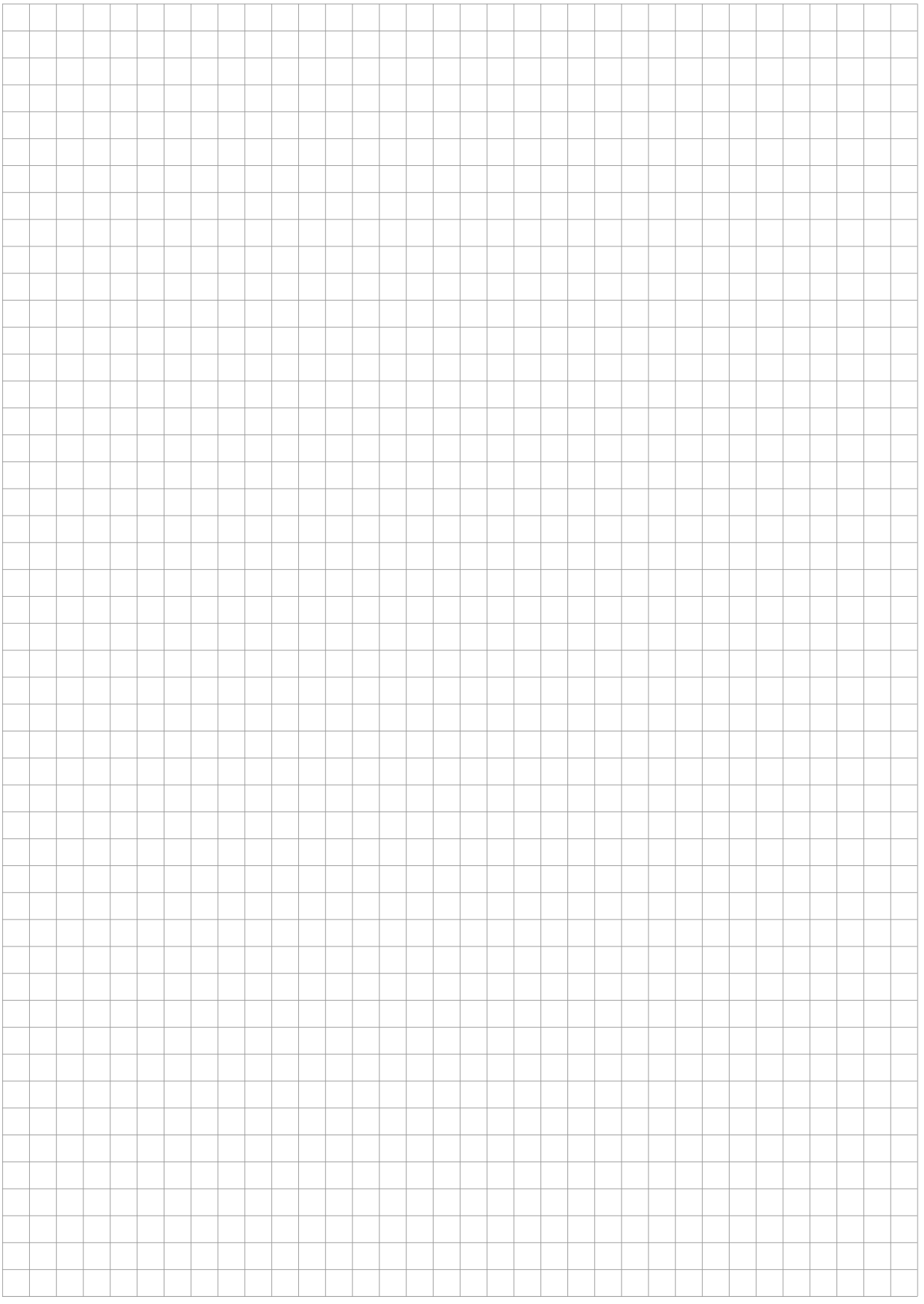

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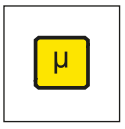
系统 System	100	101	117	223	209	216	217	224	229 259	231
内圆加工 / Internal Grooving										
过孔-Ø Bore Ø				≥ 18	≥ 16	≥ 20	≥ 20	≥ 28	≥ 38	≥ 75
槽宽 Width of groove				1,2 - 3	2 - 3	2 - 6	0,5 - 5,3	2 - 6	2,5 - 10	2,5 - 10
切槽 Grooving				•	•	•	•	•	•	•
车削 Turning				•	•	•		•	•	
S 螺纹 Thread								•	•	•
仿形加工 Profiling				•	•	•		•	•	
端面槽 Face grooving										
外圆加工 / External Grooving										
槽深 Depth of groove	≤ 55	≤ 13	≤ 10	≤ 11			≤ 4,7	≤ 32,5	≤ 25	≤ 11
槽宽 Width of groove	2 - 16	1,2-1,6	10 - 45	1,2 - 3			0,5 - 5,3	2 - 6	2,5 - 10	2,5 - 10
切槽 Grooving	•	•		•			•	•	•	•
车削 Turning	•			•				•	•	
切断 Parting off	•	•		•				•	•	
螺纹 Thread								•	•	•
仿形加工 Profiling			•				•	•	•	
端面槽 Face grooving								•	•	•
章节 Chapter	A	A	B	C	D	E	F	G	H	I

单位尺寸 mm
Dimensions in mm

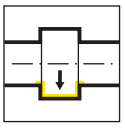
系统 System	262	264	274	32T	34T	312	315	316	64T	15 25A
内圆加工 / Internal Grooving										
过孔-Ø Bore Ø						≥ 46	≥ 43			15 - 50
槽宽 Width of groove						0,5 - 6,3	0,5 - 8			2 - 4
切槽 Grooving						•	•			
车削 Turning							•			
S 螺纹 Thread							•			
仿形加工 Profiling							•			
端面槽 Face grooving										•
外圆加工 / External Grooving										
槽深 Depth of groove	≤ 7,5	≤ 16	≤ 6	≤ 3,5	≤ 6,5	≤ 8	≤ 6	≤ 8	≤ 5,5	≤ 25
槽宽 Width of groove	0,025 - 6	1,5 - 3	0,5 - 7	0,5 - 2,5	1,03 - 5	0,5 - 6,3	0,5 - 8	1,5 - 3	0,5 - 3,15	2 - 4
切槽 Grooving	•	•	•	•	•	•	•	•	•	
车削 Turning	•	•	•	•	•	•	•	•	•	
切断 Parting off	•	•	•	•	•	•	•	•	•	
螺纹 Thread		•	•	•			•		•	
仿形加工 Profiling							•			
端面槽 Face grooving						•	•			•
章节 Chapter	J	K	L	M	N	O	P	Q	R	T

单位尺寸 mm
Dimensions in mm

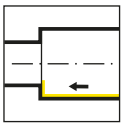
应用概览 车削
Overview Application Turning



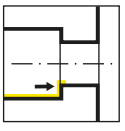
µ Finish



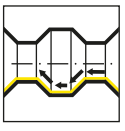
内孔切槽
Internal grooving



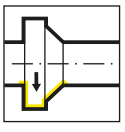
镗内孔
Internal boring



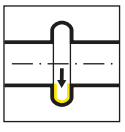
内孔背车
Internal back turning



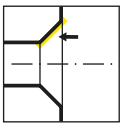
镗内孔及切槽倒角
Internal profiling and chamfering



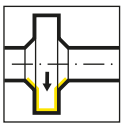
内孔预切槽及倒角
Internal pre-grooving and chamfering



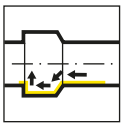
内孔切圆槽
Internal grooving full radius



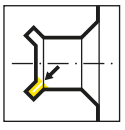
内孔倒角
Internal chamfering



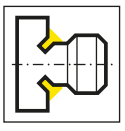
内孔切槽及倒角
Internal grooving with chamfer



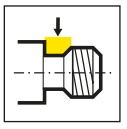
镗孔及仿形
Boring and profiling



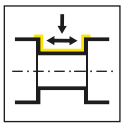
切退刀槽 内圆
Internal corner relief



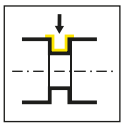
切退刀槽 外圆
External corner relief



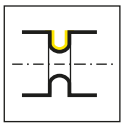
螺纹退刀槽
Corner thread relief



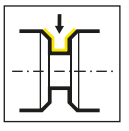
切槽和横车
Grooving and side turning



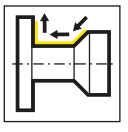
外径切槽
Grooving external



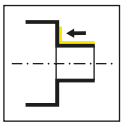
圆头外圆槽
External grooving full radius



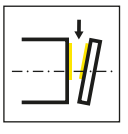
外圆槽及倒角
External grooving with NAKF



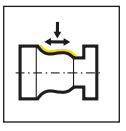
外径仿形车削
External copy turning



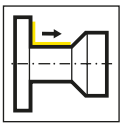
外径横车
External side turning



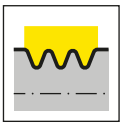
切断
Parting off



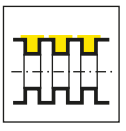
仿形车削
Profiling



背车削外圆
External back turning

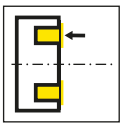


V型槽
Poly-V-belt grooves

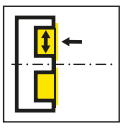


多个槽
Multiple grooving

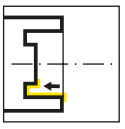
应用概览 车削
Overview Application Turning



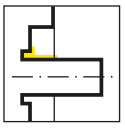
端面槽
Face grooving



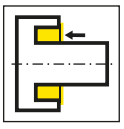
端面横车
Faced side turning



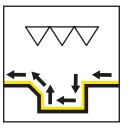
内曲线端面槽
Internal face grooving in front of center



外曲线内孔端面槽
Internal face grooving behind center



外曲线端面槽
Face grooving with collar



精车
Fine turning

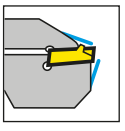
槽型 .3
Kind of geometry

卡簧槽
Circlip grooves

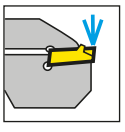
Speed Forming

应用概览 冷却和刀柄形式
Overview Application Coolant and Shank Form

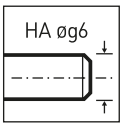
内冷
Internal coolant



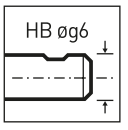
定向冷却
Targeted coolant



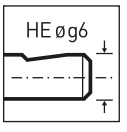
通过刀片冷却
Coolant through insert



刀柄形式 HA
Shank form HA



刀柄形式 HB
Shank form HB

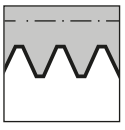


刀柄形式 HE
Shank form HE

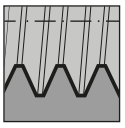
应用概览 螺纹切削
Overview Application Threading

半牙螺纹
Partial profile thread

全牙螺纹
Full profile thread



外圆螺纹
External thread



内孔螺纹
Internal thread

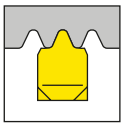
BSW/BSF 螺纹
Whitworth pipe thread BSW/BSF

UN螺纹
Unified thread

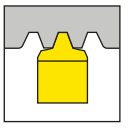
NPT 螺纹
National pipe thread

管螺纹
Steel conduit thread

米制ISO螺纹
Metric ISO thread



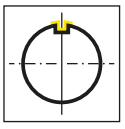
惠氏管螺纹
Whitworth pipe thread



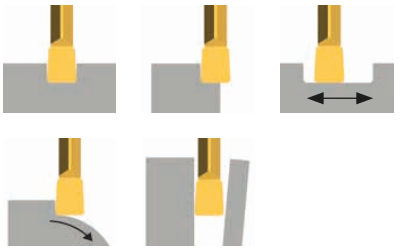
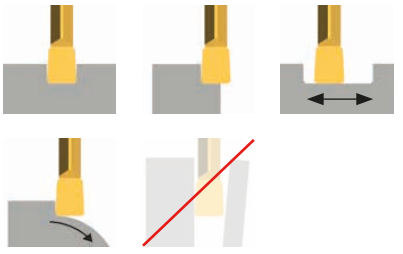
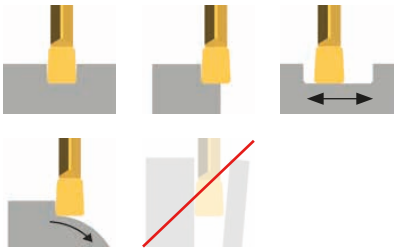
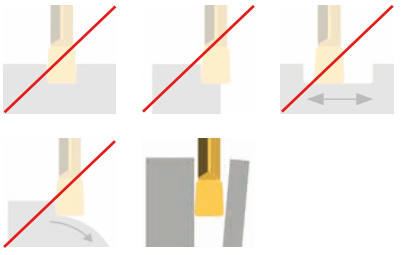
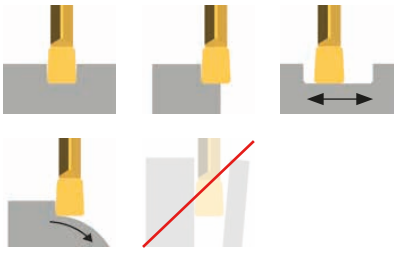
梯形螺纹
Trapezoidal thread

无需垫片。所有HORN螺纹刀片都有全轮廓后角。
No shims necessary. All HORN thread profiles are manufactured with full ground radial clearance.

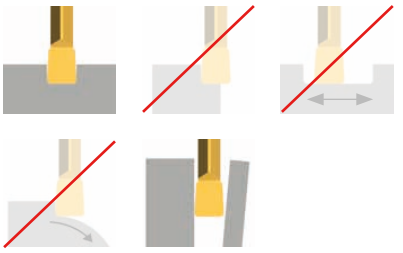
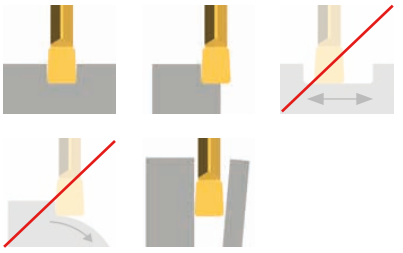
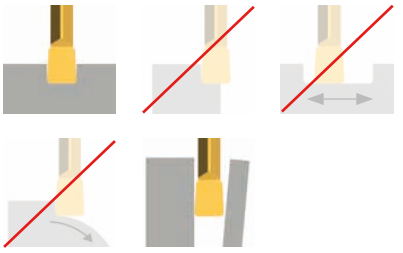
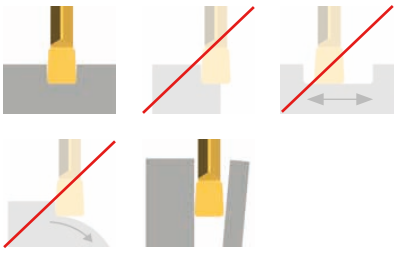
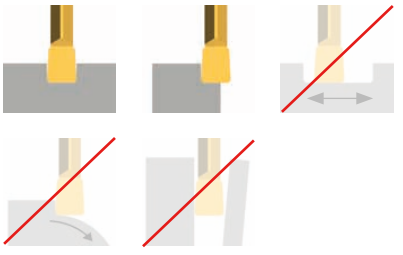
应用概览 插削
Overview Application Broaching

.A.	槽型 A Geometry A	C11	公差等级 C11 Tolerance class C11
.B.	槽型 B Geometry B	D10	公差等级 D10 Tolerance class D10
	插削 内圆 Internal broaching	H9	公差等级 H9 Tolerance class H9
	插削 外圆 External broaching	JS9	公差等级 JS9 Tolerance class JS9
	插方 Internal broaching Square	P9	公差等级 P9 Tolerance class P9
	插削－内六角 Internal broaching Hexagon		
	插削－Torx Internal broaching Torx		
	插削－倒角 Broaching chamfer		

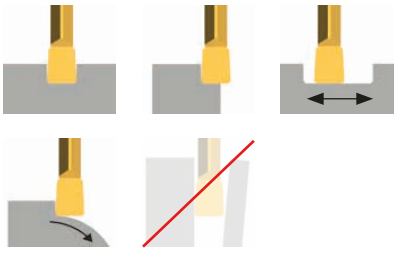
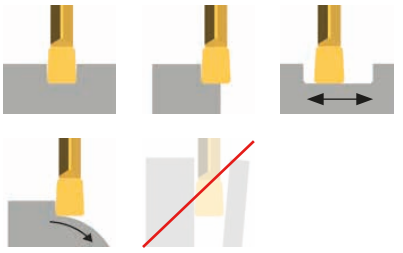
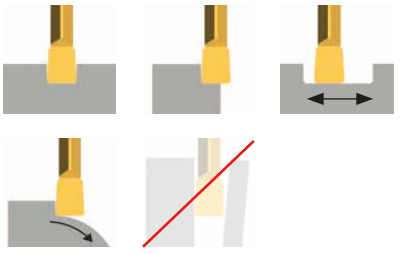
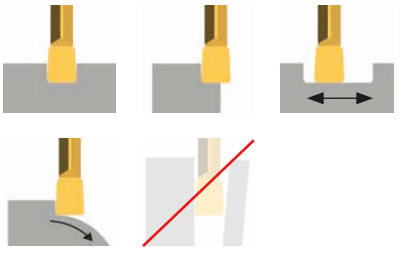
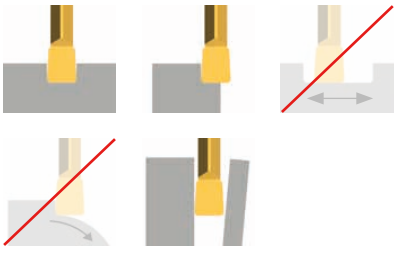
槽型及进给
Geometries and feed rates

槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.3	P M K N S H	↓ 0,15-0,25 ↔ 0,15-0,40	
.5	P M K N S H	↓ 0,10-0,45 ↔ 0,15-0,60	
.A	P M K N S H	↓ 0,05-0,30 ↔ 0,10-0,30	
.C	P M K N S H	↓ 0,02-0,10	
.D	P M K N S H	↓ 0,03-0,15 ↔ 0,05-0,20	

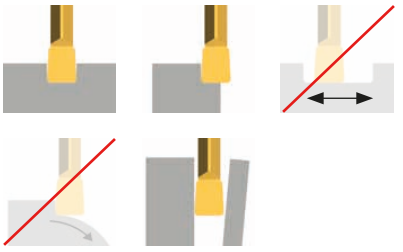
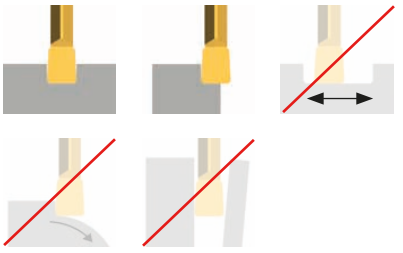
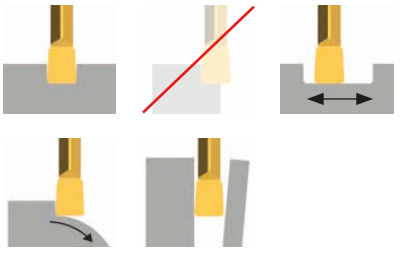
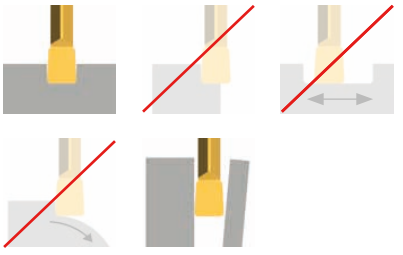
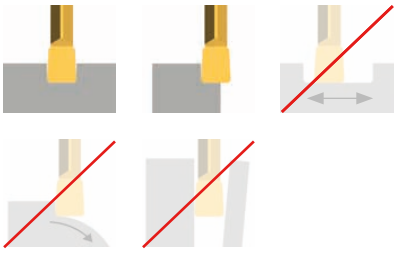
槽型及进给
Geometries and feed rates

槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.E	P M K N S H	0,08-0,30	
.EN	P M K N S H	0,10-0,45	
.F	P M K N S H	0,03-0,15	
.FY	P M K N S H	0,03-0,15	
.H	P M K N S H	0,15-0,25 0,10-0,25	

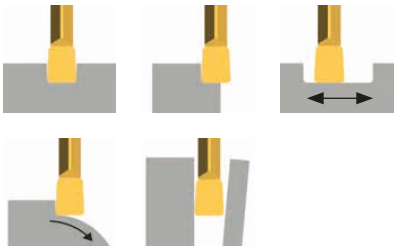
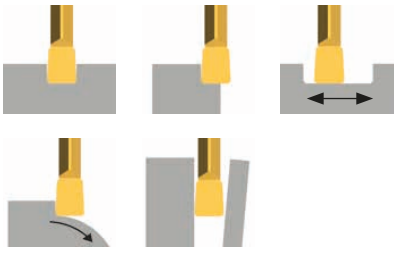
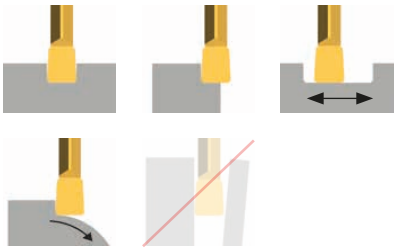
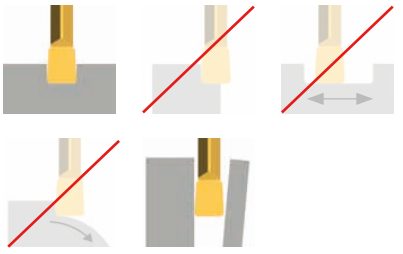
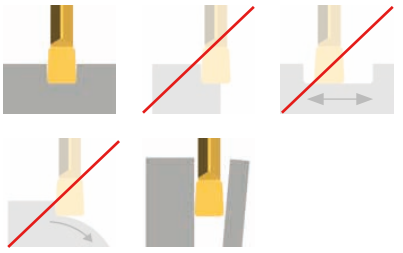
槽型及进给
Geometries and feed rates

槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.K	P M K N S H	↓ 0,05-0,25 ↔ 0,05-0,25	
.KF	P M K N S H	↓ 0,10-0,45 ↔ 0,05-0,25	
.L	P M K N S H	↓ 0,10-0,22 ↔ 0,05-0,20	
.ZG	P M K N S H	↓ 0,10-0,22 ↔ 0,05-0,20	
.10	P M K N S H	↓ 0,05-0,15	

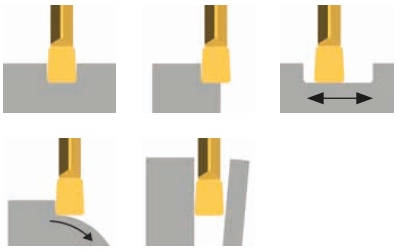
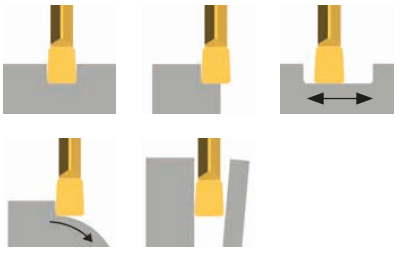
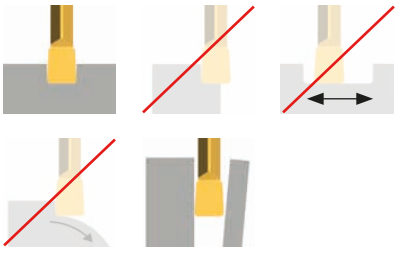
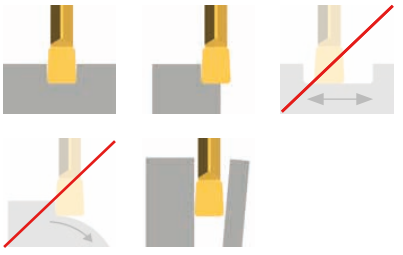
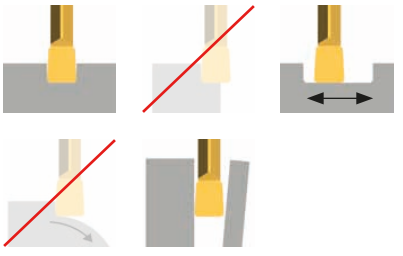
槽型及进给
Geometries and feed rates

槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.20	P M K N S H	↓ 0,07-0,25	
.HR	P M K N S H	↓ 0,20-0,30	
.N	P M K N S H	↓ 0,05-0,25 ↔ 0,05-0,25	
.00	P M K N S H	↓ 0,02-0,12	
.1A	P M K N S H	↓ 0,03-0,12	

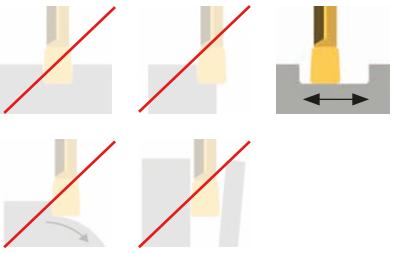
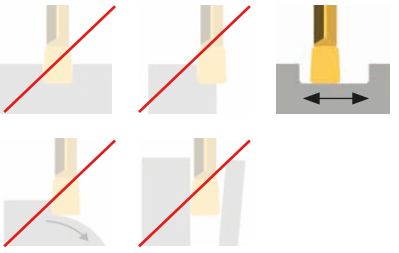
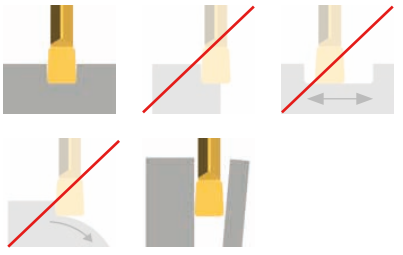
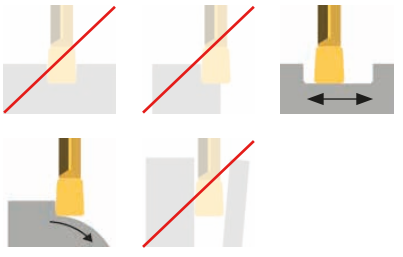
槽型及进给
Geometries and feed rates

槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.M0	P M K N S H	↓ 0,02-0,10 ↔ 0,02-0,15	
.M	P M K N S H	↓ 0,02-0,12	
.P	P M K N S H	↓ 0,02-0,08 ↔ 0,02-0,04	
.V	P M K N S H	↓ 0,04-0,15	
.3V	P M K N S H	↓ 0,05-0,20	

槽型及进给
Geometries and feed rates

槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.FL	P M K N S H	↓ 0,03-0,15	
.DL	P M K N S H	↓ 0,05-0,15 ↔ 0,05-0,20	
.WA	P M K N S H	↓ 0,07-0,25	
.EH	P M K N S H	↓ 0,25-0,4	
.WT	P M K N S H	↓ 0,06-0,08 ↔ 0,06-0,08	

槽型及进给
Geometries and feed rates

槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.NC	P M K N S H	↓ 0,02-0,10 ↔ 0,02-0,15	
.FB	P M K N S H	↓ 0,02-0,10 ↔ 0,0015-0,07	
.S	P M K N S H	↓ 0,02-0,08	
.PT	P M K N S H	↔ 0,05-0,2	

槽型及进给 - 插削
Geometries and feed rates - Broaching

槽型 Geometry	材料 Material	加工方式 Machining
.A	P M K N S H	推荐:使用动力刀座 Recommended for: Broaching units ap = 0,02 - 0,15 mm
.B	P M K N S H	推荐:常规插削 Recommended for: Conventional broaching ap = 0,02 - 0,15 mm

- 除非另有说明,所有尺寸均以毫米为单位。
  All dimensions are in mm unless otherwise noted.
- 可根据要求订制更多尺寸和形式.
  Further dimensions and versions are available on request.
- 锁紧螺扭矩规格,请见技术说明。
  For torque specification of the screw, please see "Technical Instructions".
- 交货期 / Delivery times
  - ▲ 库存 / on stock
  - Δ 4周 / 4 weeks
- 根据被加工材料组 / Use for material groups
  - • 推荐 / recommended
  - o 次推荐 / alternative recommended
  - - 不合适 / not suitable

HORN连接接口代码-需要它做什么?

连接接口代码确保您将始终找到适当的工具，并显示在刀杆和刀片上。如果代码匹配，则可以在相应的刀杆中使用该刀片。
这也适用于我们的模块化支架系统,其中连接代码表示刀柄和刀夹之间的接口。

The HORN connection interface code - what is it needed for?

The connection interface code ensures that you will always find the appropriate tools and is shown on toolholders and inserts. If the codes match, the insert can be used in the corresponding toolholder.
This also applies to our modular holder system, where the connection code indicates the interface between the holder and the cassette.

HORN连接接口代码及可能的组合:
HORN connection interface codes and possible combinations:

HIS = 刀片座 / Insert seat
HWS = 工件侧接口 / Interface workpiece side
HMS = 机床侧接口 / Interface machine side

HIS	⟷	**HWS**
HMS	⟷	**HWS**

刀片示例
Example insert

产品型号 Part number	w	r	h_1	HIS		MG12	H54	TI25	TN35
S223.0200.32	2	0,2	3,65	22301		▲	▲	▲	▲

刀杆示例
Example toolholder

产品型号 Part number	h	b	l_1	l_2	h_1	b_1	f_1	f	t_{max}	D_{max}	HWS
RH223.1010.01	10	10	80	20	12	12	9,2	f_1+w/2	8	25	12301 • 22301

100/101

刀体和刀片

槽宽1.2 - 16 mm
槽深可达55 mm

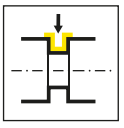
Cutter body and Inserts

Width of groove 1,2 - 16 mm
Depth of groove up to 55 mm

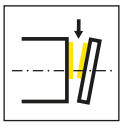
切槽和切断
Grooving and Parting Off

槽型及进给
Geometries and feed rates
页/Page 25-26

刀杆
Toolholder
H100/H101



页/Page 27-48, 74



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刀片
Insert
S100/S101

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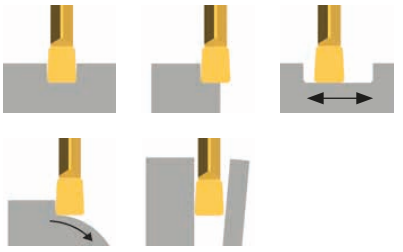
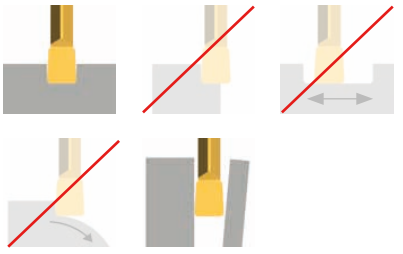
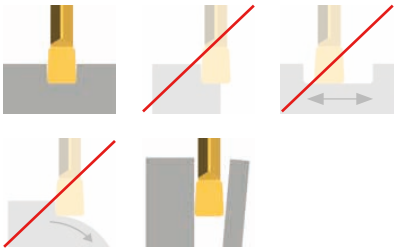
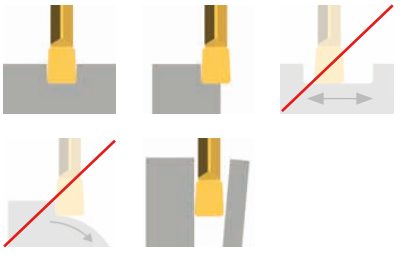
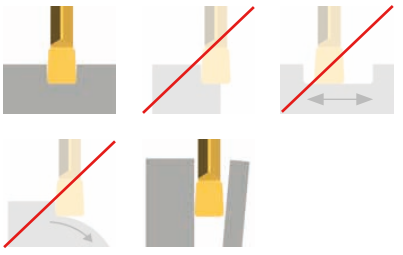
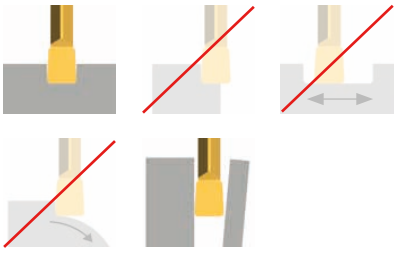
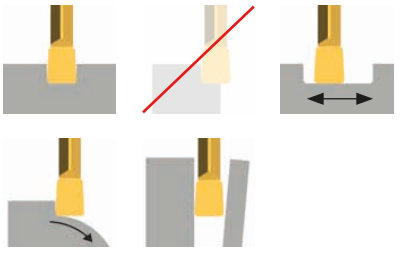
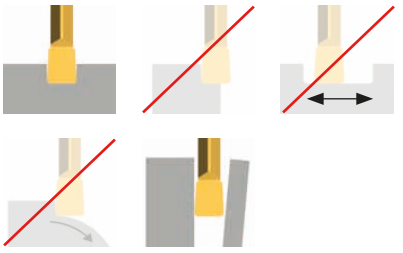
槽型及进给
Geometries and feed rates

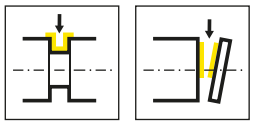
槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.3	P M K N S H	↓ 0.15-0.25 ↔ 0.15-0.40	
.3V	P M K N S H	↓ 0.05-0.20	
.E	P M K N S H	↓ 0.08-0.30	
.EN	P M K N S H	↓ 0.10-0.45	
.F	P M K N S H	↓ 0.03-0.15	

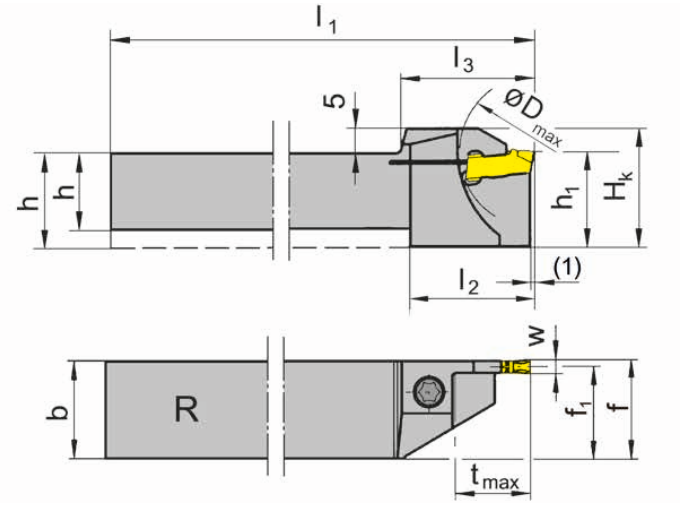
槽型及进给
Geometries and feed rates

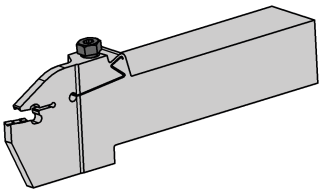
槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.FY	P M K N S H	↓ 0.03-0.15	
.N	P M K N S H	↓ 0.05-0.25 ↔ 0.05-0.25	
.WA	P M K N S H	↓ 0.07-0.25	

刀杆
Toolholder

H100







R=右手型-如图
R = right hand version shown

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L = left hand version

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH100.1010.01	10	10	125	19	21	13	9.25	f_1+w/2	10.5	21	18	100018
RH100.1010.11	10	10	125	21	23	16	9.25	f_1+w/2	13	42	21	100018
RH100.1212.01	12	12	125	21	23	16	11.25	f_1+w/2	13	26	21	100018
RH100.1212.11	12	12	125	21	26	16	11.25	f_1+w/2	16	42	21	100018
RH100.1616.11	16	16	125	24	26	20	15.25	f_1+w/2	16	42	25	100018
RH100.1616.21	16	16	125	30	33.5	20	15.25	f_1+w/2	21	42	25	100018
RH100.2020.11	20	20	125	-	26	20	19.25	f_1+w/2	16	42	25	100018
RH100.2020.21	20	20	125	-	33.5	20	19.25	f_1+w/2	21	42	25	100018
RH100.2525.21	25	25	150	-	33.5	25	24.3	f_1+w/2	21	42	30	100018
LH100.1010.01	10	10	125	19	21	13	9.25	f_1+w/2	10.5	21	18	100018
LH100.1010.11	10	10	125	21	23	16	9.25	f_1+w/2	13	42	21	100018
LH100.1212.01	12	12	125	21	23	16	11.25	f_1+w/2	13	26	21	100018
LH100.1212.11	12	12	125	21	26	16	11.25	f_1+w/2	16	42	21	100018
LH100.1616.11	16	16	125	24	26	20	15.25	f_1+w/2	16	42	25	100018
LH100.1616.21	16	16	125	30	33.5	20	15.25	f_1+w/2	21	42	25	100018
LH100.2020.11	20	20	125	-	33.5	20	19.25	f_1+w/2	16	42	25	100018
LH100.2020.21	20	20	125	-	33.5	20	19.25	f_1+w/2	21	42	25	100018
LH100.2525.21	25	25	150	-	33.5	25	24.3	f_1+w/2	21	42	30	100018

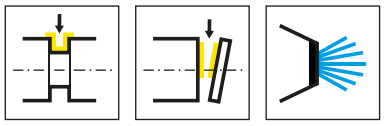
w见刀片
w see inserts

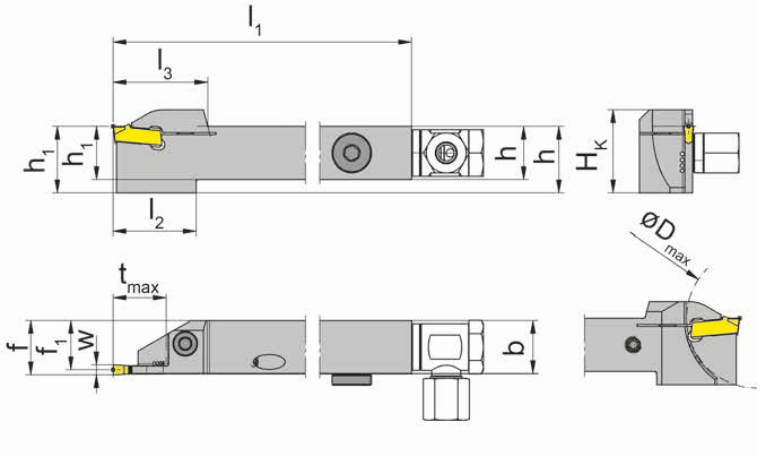
配件
Spare Parts

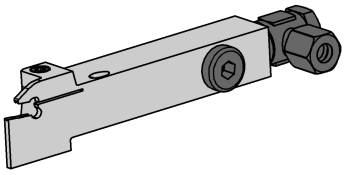
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH100...	**4.15T15P**	**T15PQ**

刀杆
Toolholder

H100







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L = left hand version

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH100.1212.01.IK	12	12	125	21	23	12	11.25	f_1+w/2	13	26	21	100018
RH100.1212.11.IK	12	12	125	21	26	12	11.25	f_1+w/2	16	42	21	100018
RH100.1616.11.IK	16	16	125	24	26	16	15.25	f_1+w/2	16	42	25	100018
RH100.1616.21.IK	16	16	125	30	33.5	16	15.25	f_1+w/2	21	42	25	100018
RH100.2020.11.IK	20	20	125	-	33.5	20	19.25	f_1+w/2	16	42	25	100018
RH100.2020.21.IK	20	20	125	-	33.5	20	19.25	f_1+w/2	21	42	25	100018
RH100.2525.21.IK	25	25	150	-	33.5	25	24.3	f_1+w/2	21	42	30	100018
LH100.1212.01.IK	12	12	125	21	23	12	11.25	f_1+w/2	13	26	21	100018
LH100.1212.11.IK	12	12	125	21	26	12	11.25	f_1+w/2	16	42	21	100018
LH100.1616.11.IK	16	16	125	24	26	16	15.25	f_1+w/2	16	42	25	100018
LH100.1616.21.IK	16	16	125	30	33.5	16	15.25	f_1+w/2	21	42	25	100018
LH100.2020.11.IK	20	20	125	-	33.5	20	19.25	f_1+w/2	16	42	25	100018
LH100.2020.21.IK	20	20	125	-	33.5	20	19.25	f_1+w/2	21	42	25	100018
LH100.2525.21.IK	25	25	150	-	33.5	25	24.3	f_1+w/2	21	42	30	100018

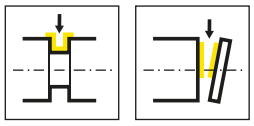
w见刀片
w see inserts

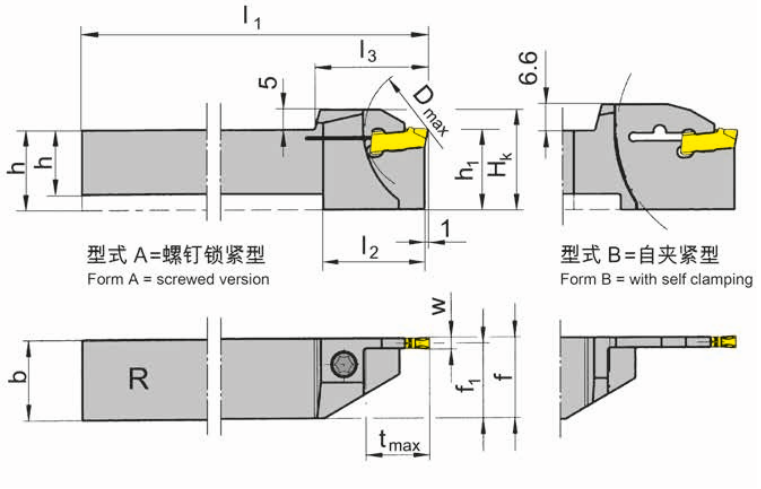
配件
Spare Parts

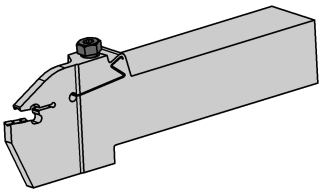
刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**冷却液供应** Coolant supply	**TORX PLUS®扳手** TORX PLUS® Wrench	**螺钉** Screw Plug
R/LH100.1212...	**4.15T15P**	**004.00.22**	**T15PQ**	
R/LH100...	**4.15T15P**	**004.00.16**	**T15PQ**	**004.00.26**
R/LH100.2020.21.IK	**4.15T15P**	**004.00.16**	**T20PQ**	**004.00.26**

刀杆
Toolholder

H100







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产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	形式 Form	HWS
RH100.1212.02	12	12	125	21	23	16	11.05	f_1+w/2	13	25	21	A	100028
RH100.1616.02	16	16	125	19	21	20	15.05	f_1+w/2	10.5	42	25	A	100028
RH100.1212.12	12	12	125	24	26	16	11.05	f_1+w/2	16	42	25	A	100028
RH100.1616.12	16	16	125	24	26	20	15.05	f_1+w/2	16	42	25	A	100028
RH100.2020.12	20	20	125	-	26	20	19.05	f_1+w/2	16	42	25	A	100028
RH100.1616.22	16	16	125	30	33.5	20	15.05	f_1+w/2	21	42	25	A	100028
RH100.2020.22	20	20	125	-	33.5	20	19.05	f_1+w/2	21	42	25	A	100028
RH100.2525.22	25	25	150	-	33.5	25	24.05	f_1+w/2	21	42	30	A	100028
RH100.2020.32	20	20	125	35	38.5	25	19.05	f_1+w/2	32.5	65	31.6	B	100028
LH100.1212.02	12	12	125	21	23	16	11.05	f_1+w/2	13	25	21	A	100028
LH100.1616.02	16	16	125	19	21	20	15.05	f_1+w/2	10.5	42	25	A	100028
LH100.1212.12	12	12	125	24	26	16	11.05	f_1+w/2	16	42	25	A	100028
LH100.1616.12	16	16	125	24	26	20	15.05	f_1+w/2	16	42	25	A	100028
LH100.2020.12	20	20	125	-	26	20	19.05	f_1+w/2	16	42	25	A	100028
LH100.1616.22	16	16	125	30	33.5	20	15.05	f_1+w/2	21	42	25	A	100028
LH100.2020.22	20	20	125	-	33.5	20	19.05	f_1+w/2	21	42	25	A	100028
LH100.2525.22	25	25	150	-	33.5	25	24.05	f_1+w/2	21	42	30	A	100028
LH100.2020.32	20	20	125	35	38.5	25	19.05	f_1+w/2	32.5	65	31.6	B	100028

w见刀片
w see inserts

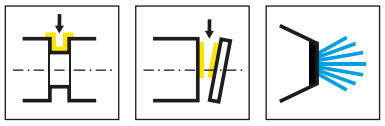
扳手**P39L**不包含在刀板中 R/LH100.2020.32 , 需单独订购!
Wrench P39L is not combined with blade R/LH100.2020.32 - separate order required!

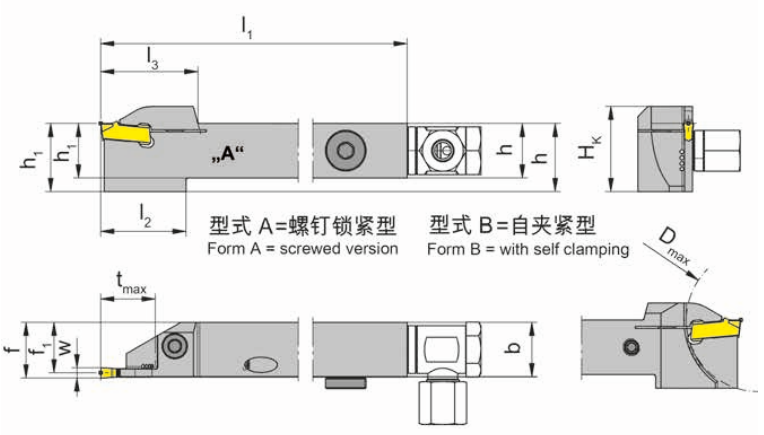
配件
Spare Parts

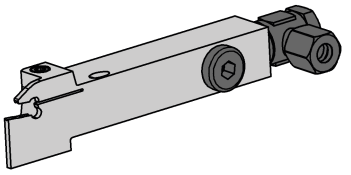
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH100...	**4.15T15P**	**T15PQ**

刀杆
Toolholder

H100







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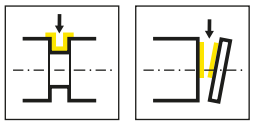
L = left hand version

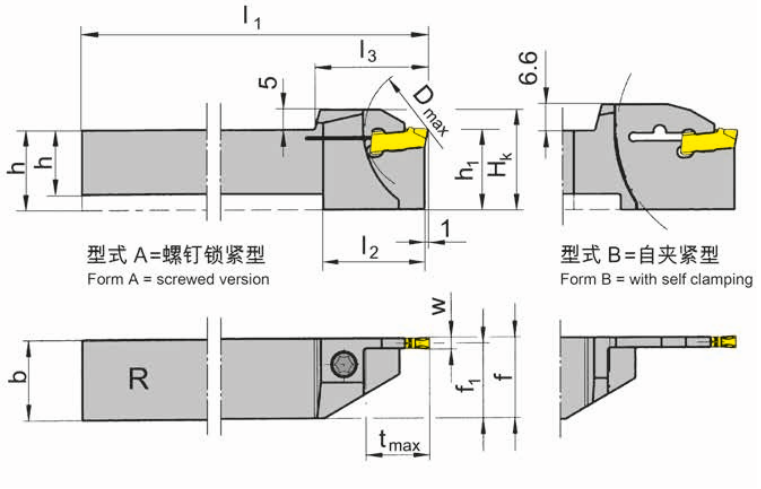
产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	形式 Form	HWS
RH100.1212.02.IK	12	12	125	21	23	16	11.05	f_1+w/2	13	25	21	A	100028
RH100.1616.02.IK	16	16	125	19	21	20	15.05	f_1+w/2	10.5	42	25	A	100028
RH100.1212.12.IK	12	12	125	24	26	16	11.05	f_1+w/2	16	42	25	A	100028
RH100.1616.12.IK	16	16	125	24	28.5	20	15.05	f_1+w/2	16	42	25	A	100028
RH100.2020.12.IK	20	20	125	-	26	20	19.05	f_1+w/2	16	42	25	A	100028
RH100.1616.22.IK	16	16	125	30	33.5	20	15.05	f_1+w/2	21	42	25	A	100028
RH100.2020.22.IK	20	20	125	-	33.5	20	19.05	f_1+w/2	21	42	25	A	100028
RH100.2525.22.IK	25	25	150	-	33.5	25	24.05	f_1+w/2	21	42	30	A	100028
LH100.1212.02.IK	12	12	125	21	23	16	11.05	f_1+w/2	13	25	21	A	100028
LH100.1616.02.IK	16	16	125	19	21	20	15.05	f_1+w/2	10.5	42	25	A	100028
LH100.1616.12.IK	16	16	125	24	28.5	20	15.05	f_1+w/2	16	42	25	A	100028
LH100.2020.12.IK	20	20	125	-	26	20	19.05	f_1+w/2	16	42	25	A	100028
LH100.1616.22.IK	16	16	125	30	33.5	20	15.05	f_1+w/2	21	42	25	A	100028
LH100.2020.22.IK	20	20	125	-	33.5	20	19.05	f_1+w/2	21	42	25	A	100028
LH100.2525.22.IK	25	25	150	-	33.5	25	24.05	f_1+w/2	21	42	30	A	100028

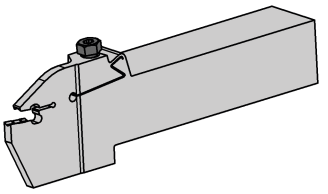
w见刀片
w see inserts

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	冷却液供应 Coolant supply	TORX PLUS®扳手 TORX PLUS® Wrench	螺钉 Screw Plug
RH100.1212.12.IK	**4.15T15P**	**004.00.22**	**T15PQ**	
R/LH100...	**4.15T15P**	**004.00.16**	**T15PQ**	**004.00.26**
R/LH100.2020.22.IK	**5.17T20P**		**T20PQ**	







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L = left hand version

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	形式 Form	HWS
RH100.1212.03	12	12	125	21	23	16	10.85	f_1+w/2	13	26	25	A	100028
RH100.1616.03	16	16	125	19.5	23	20	14.85	f_1+w/2	10.5	42	25	A	100038
RH100.1616.13	16	16	125	25	28.5	20	14.85	f_1+w/2	16	42	25	A	100038
RH100.1616.23	16	16	125	30	33.5	20	14.85	f_1+w/2	21	42	25	A	100038
RH100.2020.13	20	20	125	-	28.5	20	18.85	f_1+w/2	16	42	25	A	100038
RH100.2020.23	20	20	125	-	33.5	20	18.85	f_1+w/2	21	42	25	-	100038
RH100.2020.33	20	20	125	35	38.5	25	18.85	f_1+w/2	32.5	65	31.6	B	100038
RH100.2525.13	25	25	150	-	28.5	25	23.85	f_1+w/2	16	42	30	A	100038
RH100.2525.23	25	25	150	-	33.5	25	23.85	f_1+w/2	21	42	30	A	100038
RH100.2525.33	25	25	150	-	38.5	25	23.85	f_1+w/2	32.5	65	31.6	B	100038
LH100.1212.03	12	12	125	21	23	16	10.85	f_1+w/2	13	26	25	A	100028
LH100.1616.03	16	16	125	19.5	23	20	14.85	f_1+w/2	10.5	42	25	A	100038
LH100.1616.13	16	16	125	25	28.5	20	14.85	f_1+w/2	16	42	25	A	100038
LH100.1616.23	16	16	125	30	33.5	20	14.85	f_1+w/2	21	42	25	A	100038
LH100.2020.13	20	20	125	-	28.5	20	18.85	f_1+w/2	16	42	25	A	100038
LH100.2020.23	20	20	125	-	33.5	20	18.85	f_1+w/2	21	42	25	A	100038
LH100.2020.33	20	20	125	35	38.5	25	18.85	f_1+w/2	32.5	65	31.6	B	100038
LH100.2525.13	25	25	150	-	28.5	25	23.85	f_1+w/2	16	42	30	A	100038
LH100.2525.23	25	25	150	-	33.5	25	23.85	f_1+w/2	21	42	30	A	100038
LH100.2525.33	25	25	150	-	38.5	25	23.85	f_1+w/2	32.5	65	31.6	B	100038

w见刀片
w see inserts

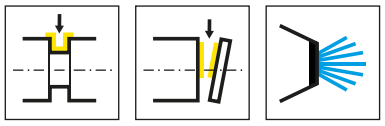
扳手**P39L**不包含在刀板中R/LH100...33，需单独订购！
Wrench P39L is not combined with blade R/LH100...33 - separate order required!

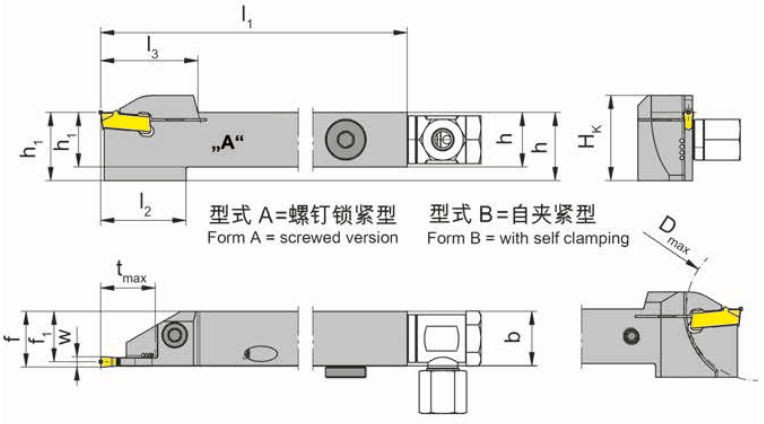
配件
Spare Parts

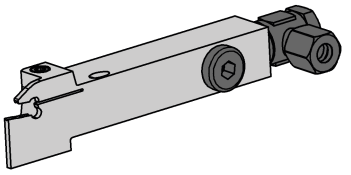
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH100...	**5.17T20P**	**T20PQ**

刀杆
Toolholder

H100







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	形式 Form	HWS
RH100.1212.03.IK	12	12	125	21	23	16	10.85	f_1+w/2	13	26	25	A	100038
RH100.1616.03.IK	16	16	125	19.5	23	20	14.85	f_1+w/2	10.5	42	25	A	100038
RH100.1616.13.IK	16	16	125	25	28.5	20	14.85	f_1+w/2	16	42	25	A	100038
RH100.2020.13.IK	20	20	125	-	28.5	20	18.85	f_1+w/2	16	42	25	A	100038
RH100.1616.23.IK	16	16	125	30	33.5	20	14.85	f_1+w/2	21	42	25	A	100038
RH100.2020.23.IK	20	20	125	-	33.5	20	18.85	f_1+w/2	21	42	25	A	100038
RH100.2525.23.IK	25	25	150	-	33.5	25	23.85	f_1+w/2	21	42	30	A	100038
RH100.2020.33.IK	20	20	125	35	38.5	25	18.85	f_1+w/2	32.5	65	31.6	B	100038
RH100.2525.33.IK	25	25	150	-	38.5	25	23.85	f_1+w/2	32.5	65	31.6	B	100038
LH100.1212.03.IK	12	12	125	21	23	16	10.85	f_1+w/2	13	26	25	A	100038
LH100.1616.03.IK	16	16	125	19.5	23	20	14.85	f_1+w/2	10.5	42	25	A	100038
LH100.1616.13.IK	16	16	125	25	28.5	20	14.85	f_1+w/2	16	42	25	A	100038
LH100.2020.13.IK	20	20	125	-	28.5	20	18.85	f_1+w/2	16	42	25	A	100038
LH100.1616.23.IK	16	16	125	30	33.5	20	14.85	f_1+w/2	21	42	25	A	100038
LH100.2020.23.IK	20	20	125	-	33.5	20	18.85	f_1+w/2	21	42	25	A	100038
LH100.2525.23.IK	25	25	150	-	33.5	25	23.85	f_1+w/2	21	42	30	A	100038
LH100.2020.33.IK	20	20	125	35	38.5	25	18.85	f_1+w/2	32.5	65	31.6	B	100038
LH100.2525.33.IK	25	25	150	-	38.5	25	23.85	f_1+w/2	32.5	65	31.6	B	100038

w见刀片
w see inserts

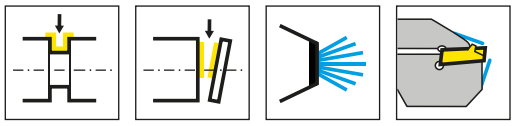
扳手**P39L**不包含在刀板中R/LH100...33，需单独订购！
Wrench P39L is not combined with blade R/LH100...33 - separate order required!

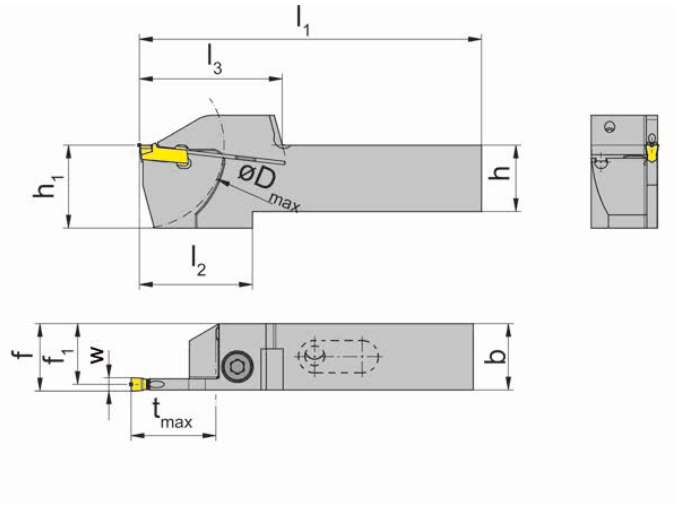
配件
Spare Parts

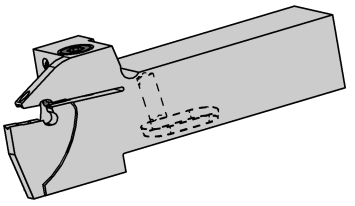
刀杆 Toolholder	锁紧螺钉 Clamping Screw	冷却液供应 Coolant supply	TORX PLUS®扳手 TORX PLUS® Wrench	螺钉 Screw Plug
R/LH100.1212.03.IK	**5.17T20P**	**004.00.22**	**T20PQ**	
R/LH100...	**5.17T20P**	**004.00.16**	**T20PQ**	**004.00.26**
R/LH100.2525.23.IK	**5.17T20P**	**004.00.61**	**T20PQ**	

刀杆
Toolholder

H100







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	HWS
RH100.1616.2.23.IK	16	16	89	35	39	25	14.65	f_1+w/2	21.5	42	100038
RH100.2020.2.23.IK	20	20	102	33	39	25	18.65	f_1+w/2	21.5	42	100038
RH100.2020.2.73.IK	20	20	106	37	43	25	18.65	f_1+w/2	25.5	50	100038
RH100.2525.2.73.IK	25	25	121	37	43	30	23.65	f_1+w/2	25.5	50	100038
RH100.2020.34.4.73.IK	20	20	115	48	53	30	18.65	f_1+w/2	34	68	100038
RH100.2525.34.4.73.IK	25	25	132	48	53	35	23.65	f_1+w/2	34	68	100038
LH100.1616.2.23.IK	16	16	89	35	39	25	14.65	f_1+w/2	21.5	42	100038
LH100.2020.2.23.IK	20	20	102	33	39	25	18.65	f_1+w/2	21.5	42	100038
LH100.2020.2.73.IK	20	20	106	37	43	25	18.65	f_1+w/2	25.5	50	100038
LH100.2525.2.73.IK	25	25	121	37	43	30	23.65	f_1+w/2	25.5	50	100038
LH100.2020.34.4.73.IK	20	20	115	48	53	30	18.65	f_1+w/2	34	68	100038
LH100.2525.34.4.73.IK	25	25	132	48	53	35	23.65	f_1+w/2	34	68	100038

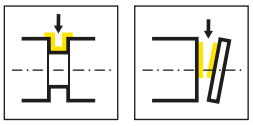
w见刀片
w see inserts

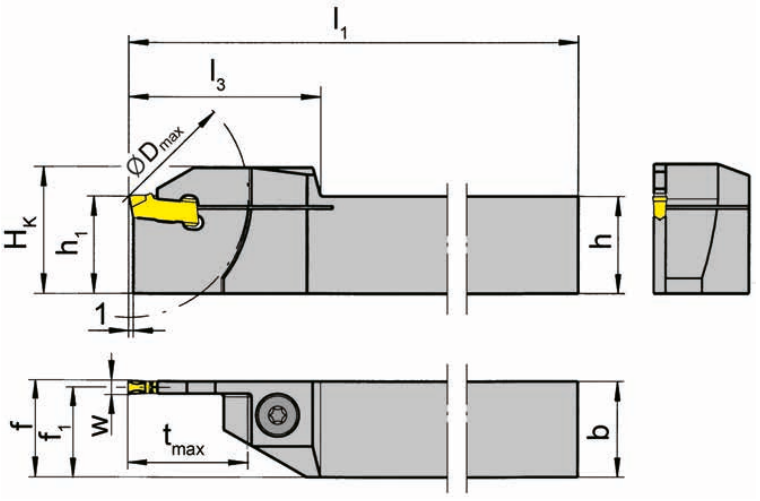
配件
Spare Parts

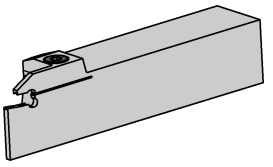
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH100...	**6.23T25P**	**T25PQ**

刀杆
Toolholder

H100







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

产品型号 Part number	h	b	l_1	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH100.2020.73	20	20	125	40	20	18.85	f_1+w/2	25	50	26	100038
RH100.2525.73	25	25	150	40	25	23.85	f_1+w/2	25	50	31	100038
RH100.2020.74	20	20	125	40	20	18.85	f_1+w/2	25	50	26	100048
LH100.2020.73	20	20	125	40	20	18.85	f_1+w/2	25	50	26	100038
LH100.2525.73	25	25	150	40	25	23.85	f_1+w/2	25	50	31	100038
LH100.2020.74	20	20	125	40	20	18.85	f_1+w/2	25	50	26	100048

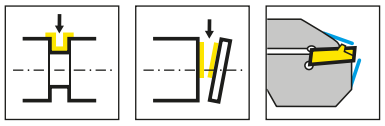
w见刀片
w see inserts

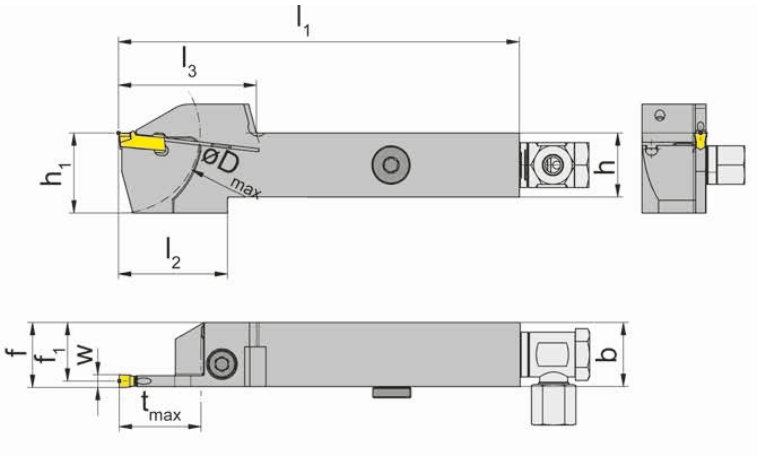
配件
Spare Parts

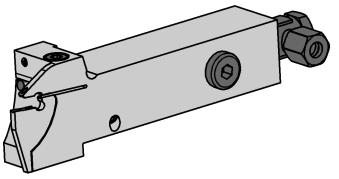
刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LH100...	**6.23T25P**	**T25PQ**

刀杆
Toolholder

H100







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	HWS
RH100.1616.0.23.IK	16	20	125	35	39	25	14.65	f_1+w/2	21.5	42	100038
RH100.1616.0.24.IK	16	20	125	35	39	25	14.3	f_1+w/2	21.5	42	100048
RH100.2020.0.23.IK	20	20	125	33	39	25	18.65	f_1+w/2	21.5	42	100038
RH100.2020.0.24.IK	20	20	125	33	39	25	18.3	f_1+w/2	21.5	42	100048
RH100.2525.0.23.IK	25	25	150	33	39	30	23.65	f_1+w/2	21.5	42	100038
RH100.2525.0.24.IK	25	25	150	33	39	30	23.3	f_1+w/2	21.5	42	100048
LH100.1616.0.23.IK	16	16	125	35	39	25	14.65	f_1+w/2	21.5	42	100038
LH100.1616.0.24.IK	16	16	125	35	39	25	14.3	f_1+w/2	21.5	42	100048
LH100.2020.0.23.IK	20	20	125	33	39	25	18.65	f_1+w/2	21.5	42	100038
LH100.2020.0.24.IK	20	20	125	33	39	25	18.3	f_1+w/2	21.5	42	100048
LH100.2525.0.23.IK	25	25	150	33	39	30	23.65	f_1+w/2	21.5	42	100038
LH100.2525.0.24.IK	25	25	150	33	39	30	23.3	f_1+w/2	21.5	42	100048

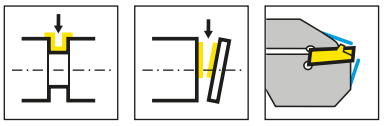
w见刀片
w see inserts

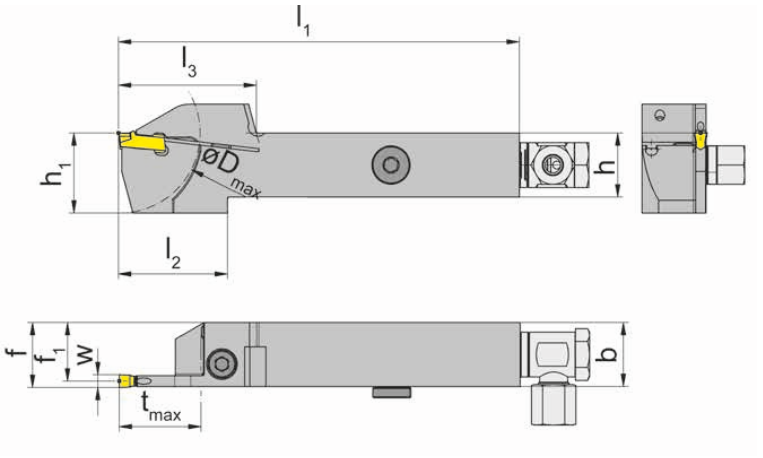
配件
Spare Parts

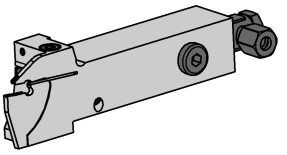
刀杆 Toolholder	冷却液供应 Coolant supply	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench	螺钉 Screw Plug
R/LH100...	**004.00.16**	**6.23T25P**	**T25PQ**	**004.00.26**

刀杆
Toolholder

H100







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	HWS
RH100.2020.0.73.IK	20	20	125	37	43	25	18.65	f_1+w/2	25.5	50	100038
RH100.2525.0.73.IK	25	25	150	37	43	30	23.65	f_1+w/2	25.5	50	100038
RH100.2525.0.74.IK	25	25	150	37	43	30	23.3	f_1+w/2	25.5	50	100048
LH100.2020.0.73.IK	20	20	125	37	43	25	18.65	f_1+w/2	25.5	50	100038
LH100.2525.0.73.IK	25	25	150	37	43	30	23.65	f_1+w/2	25.5	50	100038
LH100.2525.0.74.IK	25	25	150	37	43	30	23.3	f_1+w/2	25.5	50	100048
LH100.2020.0.74.IK	20	20	125	37	43	25	18.3	f_1+w/2	25.5	50	100048

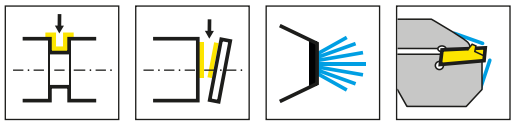
w见刀片
w see inserts

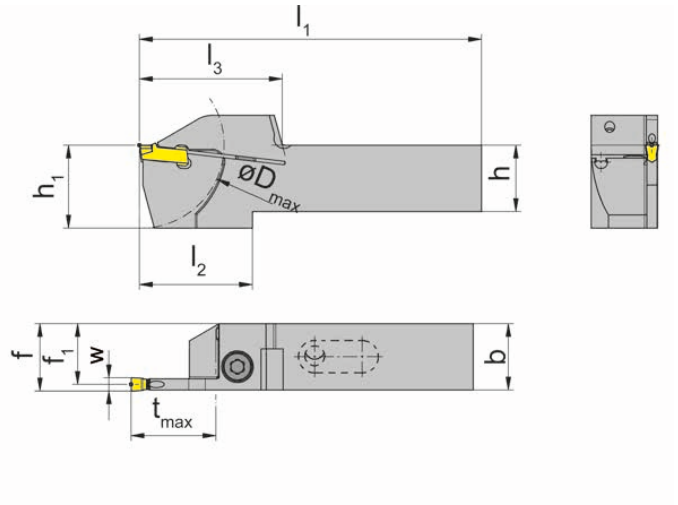
配件
Spare Parts

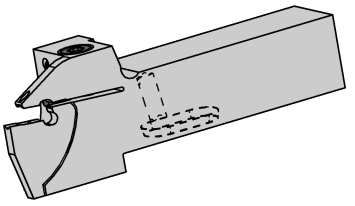
刀杆 Toolholder	冷却液供应 Coolant supply	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench	螺钉 Screw Plug
R/LH100....	**004.00.16**	**6.23T25P**	**T25PQ**	**004.00.26**

刀杆
Toolholder

H100







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	HWS
RH100.1616.2.24.IK	16	16	89	35	39	25	14.3	f_1+w/2	21.5	42	100048
RH100.2020.2.24.IK	20	20	102	33	39	25	18.3	f_1+w/2	21.5	42	100048
RH100.2020.2.74.IK	20	20	106	37	43	25	18.3	f_1+w/2	25.5	50	100048
LH100.1616.2.24.IK	16	16	89	35	39	25	14.3	f_1+w/2	21.5	42	100048
LH100.2020.2.24.IK	20	20	102	33	39	25	18.3	f_1+w/2	21.5	42	100048
LH100.2020.2.74.IK	20	20	106	37	43	25	18.3	f_1+w/2	25.5	50	100048

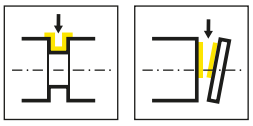
w见刀片
w see inserts

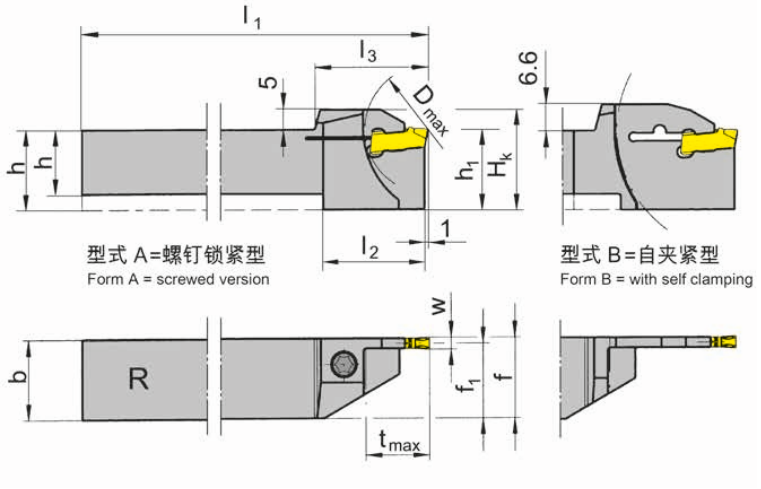
配件
Spare Parts

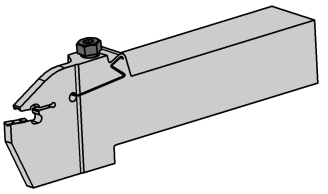
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH100...	**6.23T25P**	**T25PQ**

刀杆
Toolholder

H100







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	形式 Form	HWS
RH100.1616.04	16	16	125	19.5	23	20	14.45	f_1+w/2	10.5	42	25	A	100048
RH100.1616.14	16	16	125	25	28.5	20	14.45	f_1+w/2	16	42	25	A	100048
RH100.2020.14	20	20	125	-	28.5	20	18.45	f_1+w/2	16	42	25	A	100048
RH100.2525.14	25	25	150	-	28.5	25	23.45	f_1+w/2	16	42	30	A	100048
RH100.2020.34	20	20	125	35	38.5	25	18.45	f_1+w/2	32.5	65	31.6	B	100048
RH100.2525.34	25	25	150	40	46.5	32	23.45	f_1+w/2	40.5	81	38.6	B	100048
LH100.1616.04	16	16	125	19.5	23	20	14.45	f_1+w/2	10.5	42	25	A	100048
LH100.1616.14	16	16	125	25	28.5	20	14.45	f_1+w/2	16	42	25	A	100048
LH100.2020.14	20	20	125	-	28.5	20	18.45	f_1+w/2	16	42	25	A	100048
LH100.2525.14	25	25	150	-	28.5	25	23.45	f_1+w/2	16	42	30	A	100048
LH100.1616.24	16	16	125	30	33.5	20	14.45	f_1+w/2	21	42	25	A	100048
LH100.2020.34	20	20	125	35	38.5	25	18.45	f_1+w/2	32.5	65	31.6	B	100048
LH100.2525.34	25	25	150	40	46.5	32	23.45	f_1+w/2	40.5	81	31.6	B	100048

w见刀片
w see inserts

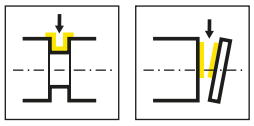
扳手**P39L**不包含在刀板中R/LH100...34，需单独订购！
Wrench P39L is not combined with blade R/LH100...34 - separate order required!

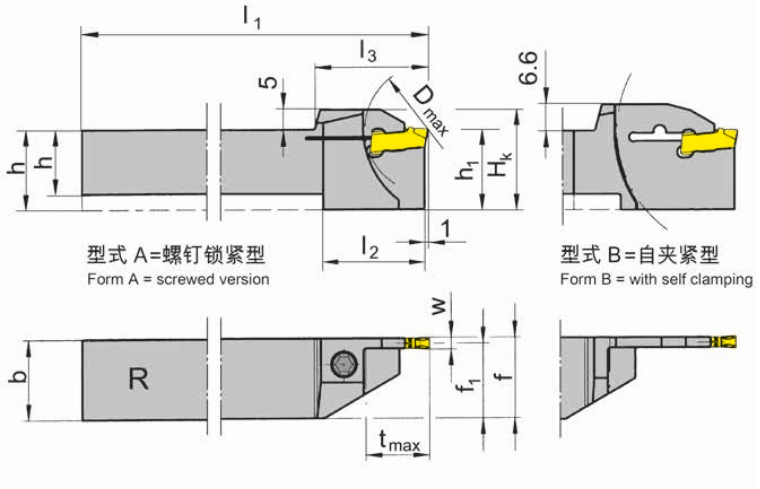
配件
Spare Parts

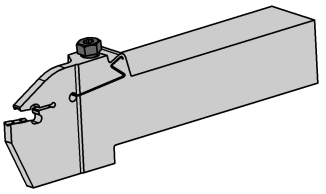
刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LH100....	**5.17T20P**	**T20PQ**

刀杆
Toolholder

H100







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	形式 Form	HWS
RH100.2020.15	20	20	125	-	28.5	20	18.05	f_1+w/2	16	42	25	A	100058
RH100.2525.15	25	25	150	-	28.5	25	23.05	f_1+w/2	16	42	30	A	100058
RH100.2020.35	20	20	125	35	38.5	20	18.05	f_1+w/2	32.5	65	31.6	B	100058
RH100.2525.35	25	25	150	40	46.5	32	23.05	f_1+w/2	40.5	81	38.6	B	100058
LH100.2020.15	20	20	125	-	28.5	20	18.05	f_1+w/2	16	42	25	A	100058
LH100.2525.15	25	25	150	-	28.5	25	23.05	f_1+w/2	16	42	30	A	100058
LH100.2020.35	20	20	125	35	38.5	25	18.05	f_1+w/2	32.5	65	31.6	B	100058
LH100.2525.35	25	25	150	40	46.5	32	23.05	f_1+w/2	40.5	81	38.6	B	100058

w见刀片
w see inserts

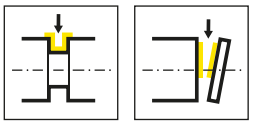
扳手**P39L**不包含在刀板中R/LH100...35，需单独订购！
Wrench P39L is not combined with blade R/LH100...35 - separate order required!

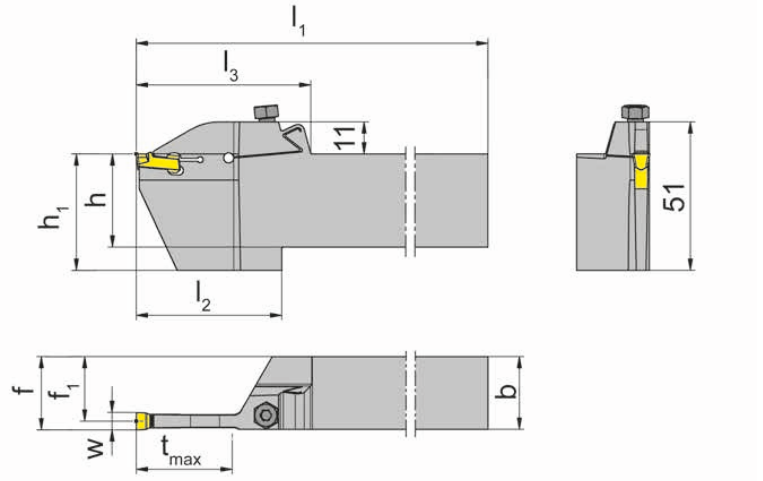
配件
Spare Parts

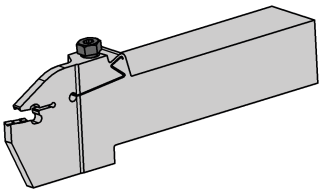
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH100....	**5.17T20P**	**T20PQ**

刀杆
Toolholder

H100







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	HWS
RH100.2020.3.04	20	20	150	50	60	32	18.2	f_1+w/2	33	100048
RH100.2020.3.05	20	20	150	50	60	32	17.7	f_1+w/2	33	100058
RH100.2525.3.05	25	25	150	50	60	32	22.7	f_1+w/2	33	100058
RH100.2525.3.06	25	25	150	50	60	40	22.2	f_1+w/2	33	100068
RH100.3225.3.06	32	25	170	50	60	40	22.2	f_1+w/2	33	100068
RH100.3225.3.08	32	25	170	50	60	40	21.2	f_1+w/2	33	100088
RH100.3225.38	32	25	170	50	60	40	21.2	f_1+w/2	35	100088
RH100.3225.4.08	32	25	170	55	65	40	21.2	f_1+w/2	41	100088
RH100.3225.4.10	32	25	170	55	65	40	20.3	f_1+w/2	41	100108
RH100.3225.4.12	32	25	170	55	65	40	19.3	f_1+w/2	41	100128
LH100.2020.3.04	20	20	150	50	60	32	18.2	f_1+w/2	33	100048
LH100.2020.3.05	20	20	150	50	60	32	17.7	f_1+w/2	33	100058
LH100.2525.3.05	25	25	150	50	60	32	22.7	f_1+w/2	33	100058
LH100.2525.3.06	25	25	150	50	60	40	22.2	f_1+w/2	33	100068
LH100.3225.3.06	32	25	170	50	60	40	22.2	f_1+w/2	33	100068
LH100.3225.3.08	32	25	170	50	60	40	21.2	f_1+w/2	33	100088
LH100.3225.38	32	25	170	50	60	40	21.2	f_1+w/2	35	100088
LH100.3225.4.08	32	25	170	55	65	40	21.2	f_1+w/2	41	100088
LH100.3225.4.10	32	25	170	55	65	40	20.3	f_1+w/2	41	100108
LH100.3225.4.12	32	25	170	55	65	40	19.3	f_1+w/2	41	100128

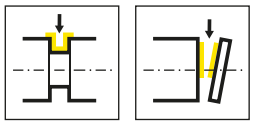
w见刀片
w see inserts

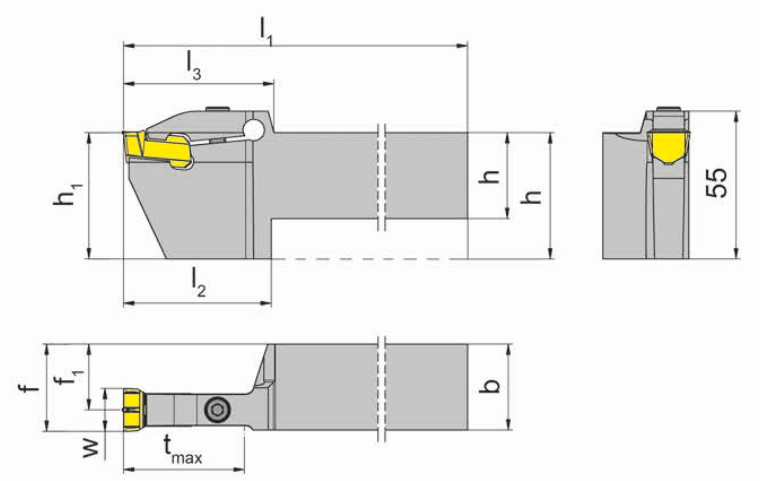
配件
Spare Parts

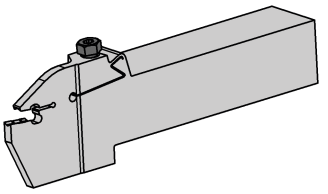
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH100...	**030.6075.T20P**	**T20PQ**

刀杆
Toolholder

H100







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	l_3	HWS
RH100.3232.5.16	32	32	170	55	47	24.5	f_1+w/2	45	56	100068
LH100.3232.5.16	32	32	170	55	47	24.5	f_1+w/2	45	56	100068

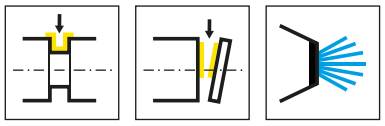
w见刀片
w see inserts

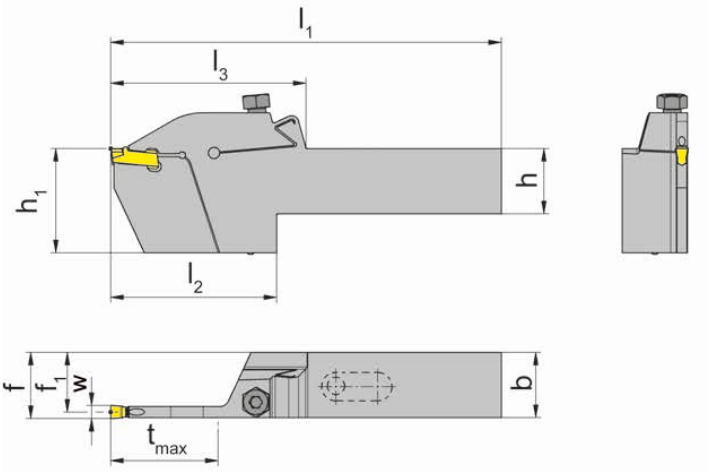
配件
Spare Parts

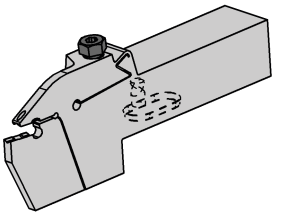
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH100.3232.5.16	**030.0625.T25P**	**T25PQ**

刀杆
Toolholder

H100







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	HWS
RH100.2020.3.2.04.IK	20	20	120	51	60	32	18.3	f_1+w/2	33	100048
RH100.2525.3.2.04.IK	25	25	134	50	60	32	23.3	f_1+w/2	33	100048
LH100.2020.3.2.04.IK	20	20	120	51	60	32	18.3	f_1+w/2	33	100048
LH100.2525.3.2.04.IK	25	25	134	50	60	32	23.3	f_1+w/2	33	100048

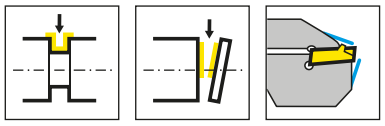
w见刀片
w see inserts

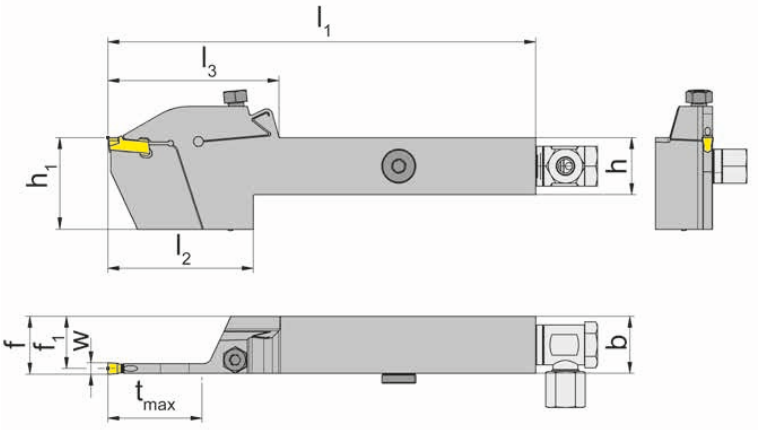
配件
Spare Parts

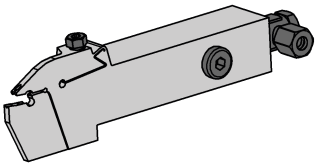
刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LH100...	**030.6075.T20P**	**T20PQ**

刀杆
Toolholder

H100







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	HWS
RH100.2020.3.0.04.IK	20	20	150	51	60	32	18.3	f_1+w/2	33	100048
RH100.2525.3.0.04.IK	25	25	150	50	60	32	23.3	f_1+w/2	33	100048
LH100.2020.3.0.04.IK	20	20	150	51	60	32	18.3	f_1+w/2	33	100048
LH100.2525.3.0.04.IK	25	25	150	50	60	32	23.3	f_1+w/2	33	100048

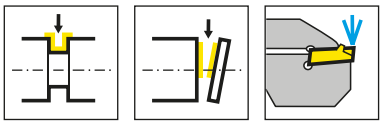
w见刀片
w see inserts

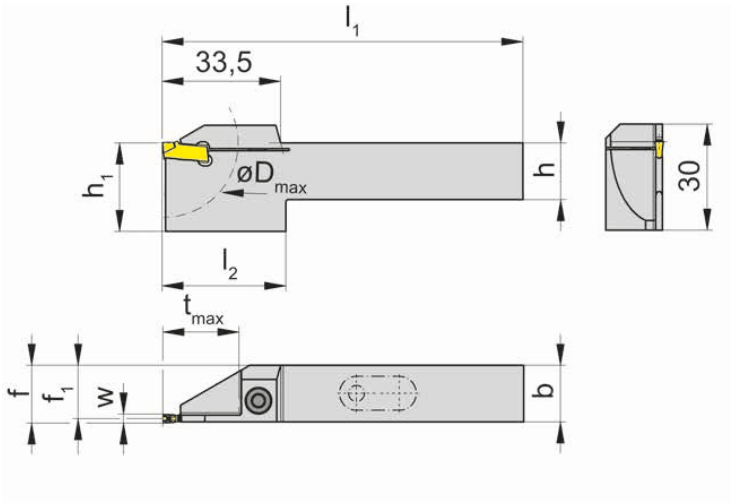
配件
Spare Parts

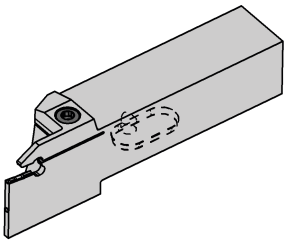
刀杆 Toolholder	冷却液供应 Coolant supply	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench	螺钉 Screw Plug
R/LH100...	**004.00.16**	**030.6075.T20P**	**T20PQ**	**004.00.26**

刀杆
Toolholder

H100







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	D_{max}	HWS
RH100.2020.3.22.IK	20	20	102	35	25	19.05	f_1+w/2	21.5	42	100029
LH100.1616.3.22.IK	16	16	89	35	25	15.05	f_1+w/2	21.5	42	100029
LH100.2020.3.22.IK	20	20	102	35	25	19.05	f_1+w/2	21.5	42	100029

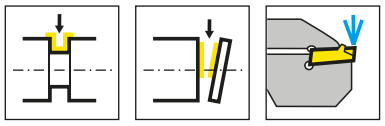
w见刀片
w see inserts

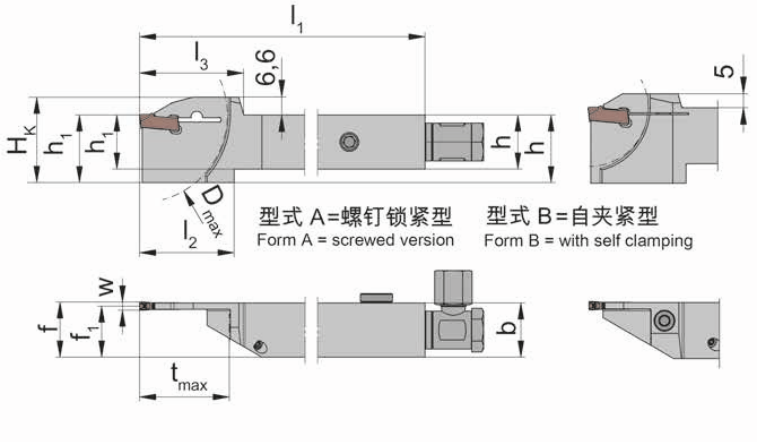
配件
Spare Parts

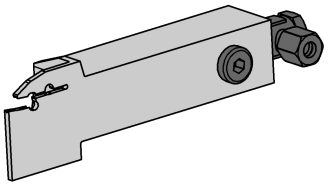
刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LH100....	**5.17T20P**	**T20PQ**

刀杆
Toolholder

H100







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	形式 Form	HWS
RH100.1616.1.23.IK	16	16	125	35	33.5	27	14.85	f_1+w/2	21.5	42	32	A	100039
RH100.2020.1.13.IK	20	20	125	30	28.5	27	18.85	f_1+w/2	16	42	32	A	100039
RH100.2020.1.23.IK	20	20	125	35	33.5	27	18.85	f_1+w/2	21.5	42	32	A	100039
RH100.2020.1.33.IK	20	20	125	35	38.5	27	18.85	f_1+w/2	33	65	33.6	B	100039
RH100.2020.1.34.IK	20	20	125	35	38.5	27	18.45	f_1+w/2	33	65	33.6	B	100039
RH100.2525.1.33.IK	25	25	150	35	38.5	32	23.85	f_1+w/2	33	65	38.6	B	100039
RH100.2525.1.34.IK	25	25	150	40	46.5	32	23.45	f_1+w/2	41	81	38.6	B	100039
LH100.1616.1.23.IK	16	16	125	35	33.5	27	14.85	f_1+w/2	21.5	42	32	A	100039
LH100.2020.1.13.IK	20	20	125	30	28.5	27	18.85	f_1+w/2	16	42	32	A	100039
LH100.2020.1.23.IK	20	20	125	35	33.5	27	18.85	f_1+w/2	21.5	42	32	A	100039
LH100.2020.1.33.IK	20	20	125	35	38.5	27	18.85	f_1+w/2	33	65	33.6	B	100039
LH100.2525.1.33.IK	25	25	150	35	38.5	32	23.85	f_1+w/2	33	65	38.6	B	100039
LH100.2525.1.34.IK	25	25	150	40	46.5	32	23.45	f_1+w/2	41	81	38.6	B	100039

w见刀片
w see inserts

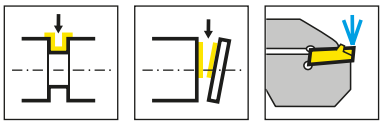
扳手**P39L**不包含在刀板中H100...33/...34，需单独订购！
Wrench P39L is not combined with blade H100...33/...34 separate order required!

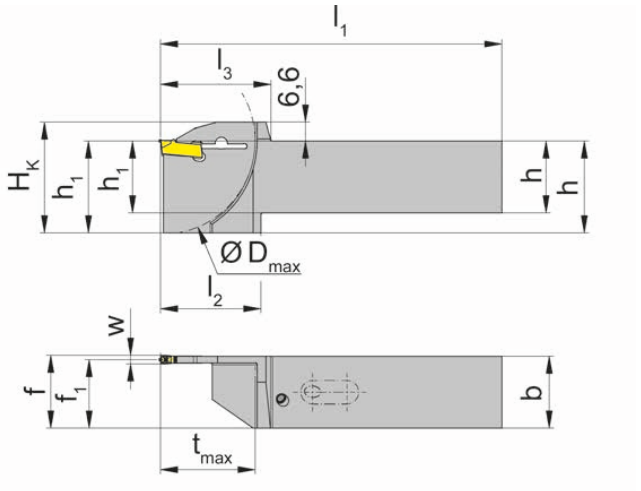
配件
Spare Parts

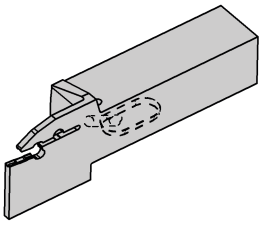
刀杆 Toolholder	锁紧螺钉 Clamping Screw	冷却液供应 Coolant supply	TORX PLUS®扳手 TORX PLUS® Wrench	螺钉 Screw Plug	扳手 Wrench
R/LH100...	**5.17T20P**	**004.00.16**	**T20PQ**	**004.00.26**	
R/LH100...33.IK/...34.IK		**004.00.16**		**004.00.26**	**P39L**

刀杆
Toolholder

H100







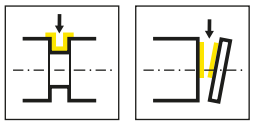
L=左手型-如图
L = left hand version shown

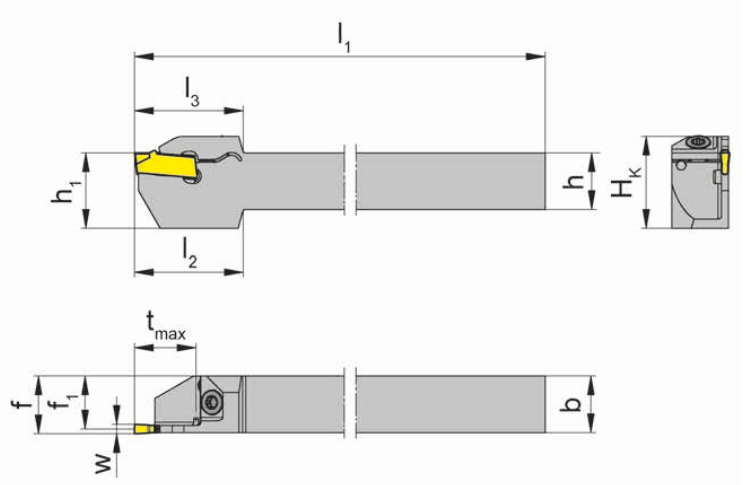
R=右手型
R = right hand version

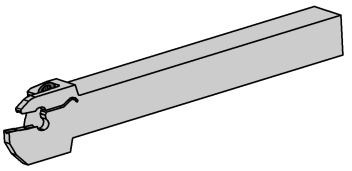
产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH100.2020.3.33.IK	20	20	104	35	38.5	27	18.85	f_1+w/2	33	65	33.6	100039
RH100.2525.3.33.IK	25	25	119	35	38.5	32	23.85	f_1+w/2	33	65	38.6	100039
LH100.2020.3.33.IK	20	20	104	35	38.5	27	18.85	f_1+w/2	33	65	33.6	100039
LH100.2525.3.33.IK	25	25	119	35	38.5	32	23.85	f_1+w/2	33	65	38.6	100039

w见刀片
w see inserts

扳手**P39L**不包含在刀板中R/LH100...33，需单独订购！
Wrench P39L is not combined with blade R/LH100...33 - separate order required!







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH100.1212.24.61	12	12	125	23	23	16	11.25	f_1+w/2	13	26	19.5	100018
RH100.1212.32.63	12	12	125	27	24	16	10.85	f_1+w/2	17	34	19.5	100038
RH100.1616.24.61	16	16	125	23	-	16	15.25	f_1+w/2	13	26	19.5	100018
RH100.1616.32.63	16	16	125	27	-	16	14.85	f_1+w/2	17	34	19.5	100038
LH100.1212.24.61	12	12	125	23	23	16	11.25	f_1+w/2	13	26	19.5	100018
LH100.1212.32.63	12	12	125	24	27	16	10.85	f_1+w/2	17	34	19.5	100038
LH100.1616.24.61	16	16	125	-	23	16	15.25	f_1+w/2	13	26	19.5	100018
LH100.1616.32.63	16	16	125	-	27	16	14.85	f_1+w/2	17	34	19.5	100038

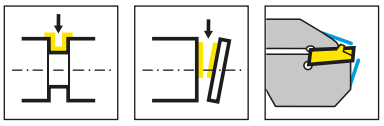
w见刀片
w see inserts

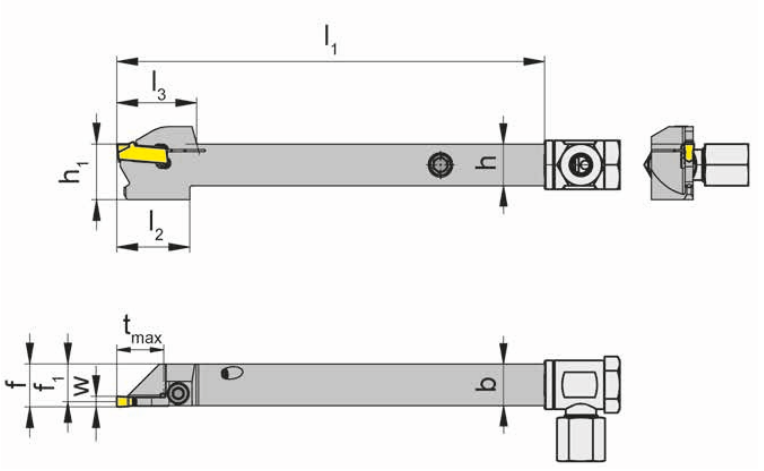
配件
Spare Parts

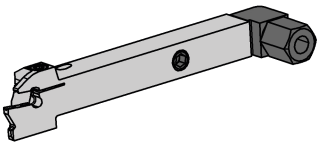
刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LH100...	**3.5.12T10EP**	**T10PL**

刀杆
Toolholder

H100







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	HWS
RH100.1212.5.23.IK	12	12	125	21	23	16	10.85	f_1+w/2	13.5	26	100038
LH100.1212.5.23.IK	12	12	125	21	23	16	10.85	f_1+w/2	13.5	26	100038

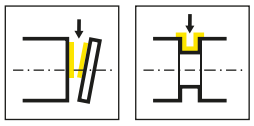
w见刀片
w see inserts

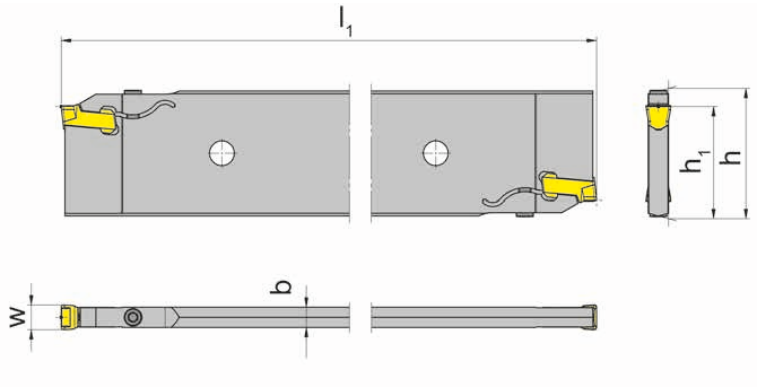
配件
Spare Parts

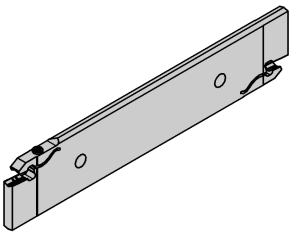
刀杆 Toolholder	锁紧螺钉 Clamping Screw	冷却液供应 Coolant supply	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH100.1212.5.23.IK	**4.15T15P**	**004.00.61**	**T15PQ**

刀杆
Toolholder

H100







产品型号 Part number	h	b	l_1	h_1	HWS
H100.5208.26.08	52.6	7.4	260	45	100088
H100.5210.26.10	52.6	8.2	260	45	100108
H100.5212.26.12	52.6	10.4	260	45	100128

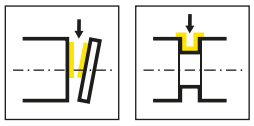
w见刀片
w see inserts

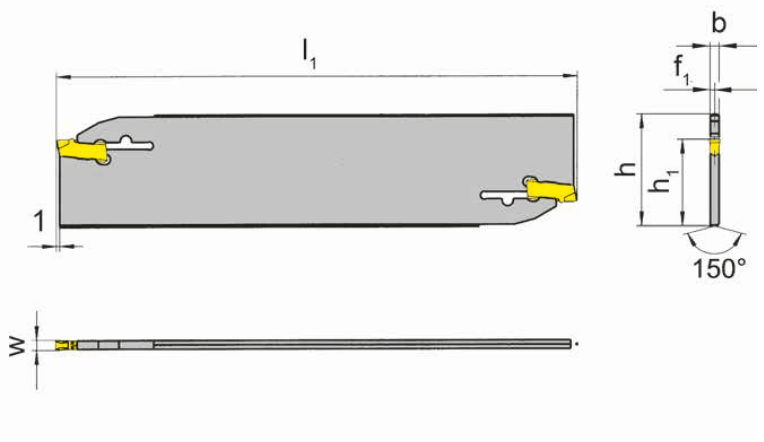
配件
Spare Parts

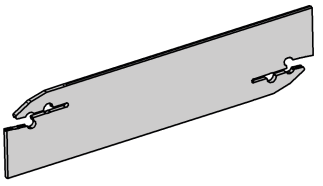
刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
H100...	**5.13T20P**	**T20PQ**

刀杆
Toolholder

H100







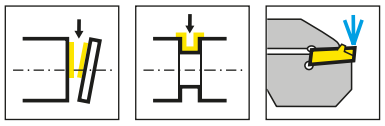
产品型号 Part number	h	b	l_1	h_1	f_1	t_{max}	HWS
H100.2601.01	26	1.5	110	21.4	0.75	25	100018
H100.2602.02	26	1.9	110	21.4	0.95	37.5	100028
H100.2603.03	26	2.3	110	21.4	1.15	37.5	100038
H100.2604.04	26	3.1	110	21.8	1.65	40	100048
H100.3201.01	32	1.5	150	24.8	0.75	25	100018
H100.3202.02	32	1.9	150	24.8	0.95	50	100028
H100.3203.03	32	2.3	150	24.8	1.15	50	100038
H100.3204.04	32	3.1	160	24.8	1.65	55	100048
H100.3205.05	32	3.9	160	24.8	2	55	100058

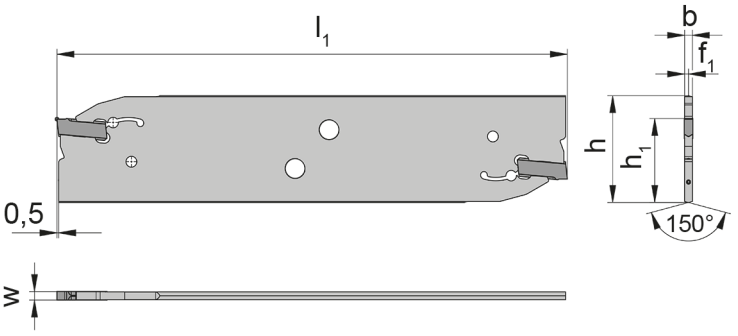
w见刀片
w see inserts

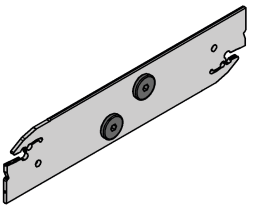
扳手P39L不包含在刀板中，需单独订购！
Wrench P39L is not combined with toolholder - separate order required!

刀杆
Toolholder

H100







产品型号 Part number	h	b	l_1	h_1	f_1	t_{max}	HWS
H100.2602.8.02.IK	26	1.9	110	21.4	0.95	35	100029 • 100028
H100.2603.8.03.IK	26	2.3	110	21.4	1.15	35	100039 • 100038
H100.2604.8.04.IK	26	3.1	110	21.4	1.55	35	100049 • 100048
H100.3202.8.02.IK	32	1.9	150	24.8	0.95	55	100029 • 100028
H100.3203.8.03.IK	32	2.3	150	24.8	1.15	60	100039 • 100038
H100.3204.8.04.IK	32	3.1	150	24.8	1.55	60	100049 • 100048

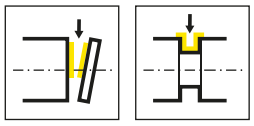
P101.02扳手不包括在铣刀中-需另行订购!
Wrench P101.02 is not combined with slotting cutter - separate order required!

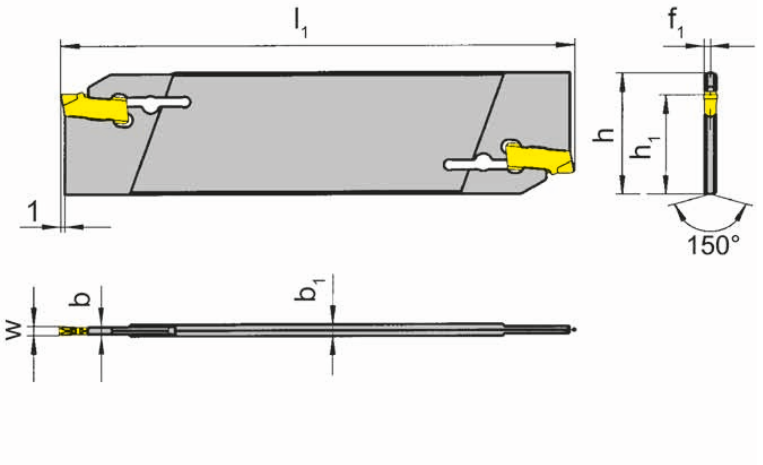
配件
Spare Parts

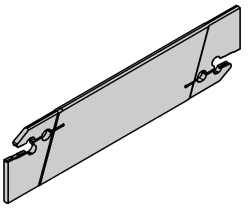
刀杆 Toolholder	冷却塞 Coolant plug
H100...	**020.IK01.5732**

刀杆
Toolholder

H100

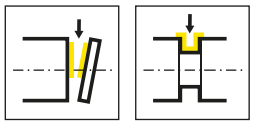


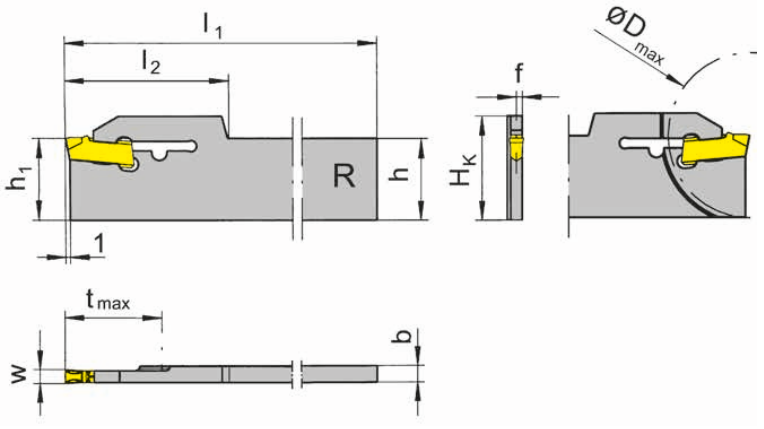


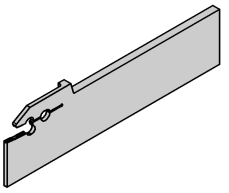


产品型号 Part number	h	b	l_1	h_1	f_1	t_{max}	b_1	HWS
H100.2603.01	26	1.5	110	21.4	1.15	21	2.3	100018
H100.2603.02	26	1.9	110	21.4	1.15	21	2.3	100028
H100.3203.01	32	1.5	150	24.8	1.15	25	2.3	100018
H100.3203.02	32	1.9	150	24.8	1.15	25	2.3	100028

扳手P39L不包含在刀板中，需单独订购！
Wrench P39L is not combined with toolholder - separate order required!







R=右手型
R = right hand version

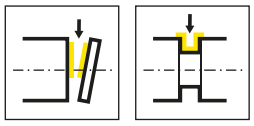
产品型号 Part number	H_K	b	l_1	h_1	f	l_2	t_{max}	D_{max}	h	HWS
RH100.1703.21	22.1	3.2	110	17.4	0.75	32	17.5	35	17.4	100018
RH100.2203.21	26.9	3.2	150	22.2	0.75	32	32	50	22.1	100018
RH100.1703.33	22.1	3.2	110	17.4	1.15	34.5	30	60	17.4	100038
RH100.2203.33	26.9	3.2	150	22.2	1.15	34.5	38	76	22.1	100038

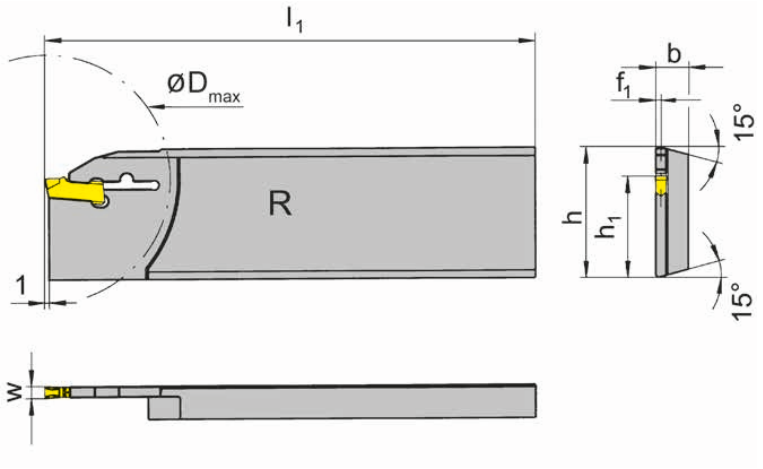
w见刀片
w see inserts

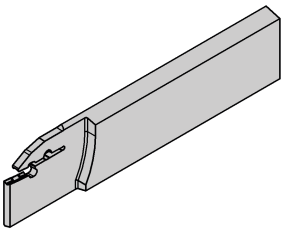
扳手**P39L**不包含在刀板中R/LH100...33，需单独订购！
Wrench P39L is not combined with blade R/LH100...33 - separate order required!

刀杆
Toolholder

H100







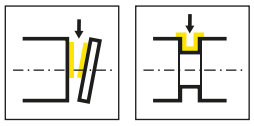
R=右手型-如图
R = right hand version shown

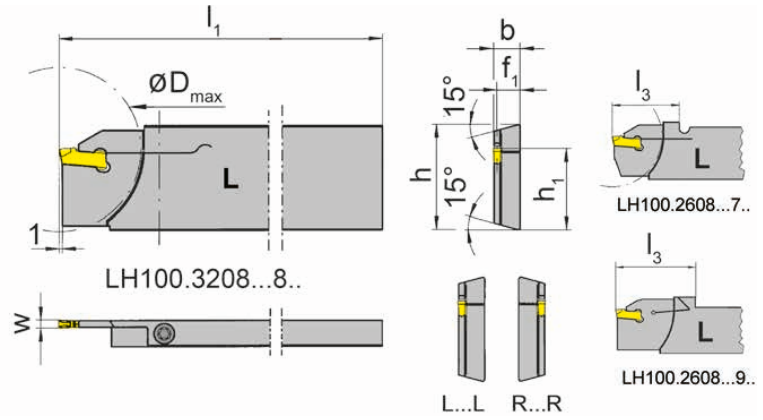
L=左手型
L = left hand version

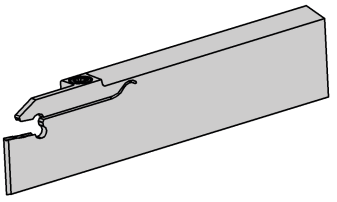
产品型号 Part number	h	b	l_1	h_1	f_1	t_{max}	D_{max}	HWS
RH100.2608.31	26	7.9	110	21.4	0.75	21	42	100018
RH100.2608.32	26	7.9	110	21.4	0.95	25	50	100028
RH100.2608.33	26	7.9	110	21.4	1.15	25	50	100038
RH100.3208.31	32	7.9	112	24.8	0.75	25	50	100018
RH100.3208.32	32	7.9	112	24.8	0.95	34	68	100028
RH100.3208.33	32	7.9	112	24.8	1.15	34	68	100038
RH100.3208.34	32	7.9	112	24.8	1.55	34	68	100048
LH100.2608.31	26	7.9	110	21.4	0.75	21	42	100018
LH100.2608.32	26	7.9	110	21.4	0.95	25	50	100028
LH100.2608.33	26	7.9	110	21.4	1.15	25	50	100038
LH100.2608.34	26	7.9	110	21.4	1.55	25	50	100048
LH100.3208.31	32	7.9	112	24.8	0.75	25	50	100018
LH100.3208.32	32	7.9	112	24.8	0.95	34	68	100028
LH100.3208.33	32	7.9	112	24.8	1.15	34	68	100038
LH100.3208.34	32	7.9	112	24.8	1.55	34	68	100048

w见刀片
w see inserts

扳手P39L不包含在刀板中，需单独订购！
Wrench P39L is not combined with toolholder - separate order required!







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

产品型号 Part number	h	b	l_1	h_1	f_1	l_3	t_{max}	D_{max}	HWS
RH100.2608.71R	26	7.9	110	21.4	7.15	33.8	25	50	100018
RH100.3208.71R	32	7.9	112	24.8	7.15	33.8	25	50	100018
RH100.2608.72R	26	7.9	110	21.4	6.95	33.8	25	50	100028
RH100.3208.72R	32	7.9	112	24.8	6.95	33.8	25	50	100028
RH100.2608.93R	26	8	115	21.4	6.85	40	25	50	100038
RH100.3208.93R	32	8	115	24.8	6.85	42	32.5	65	100038
LH100.2608.71L	26	7.9	110	21.4	7.15	33.8	25	50	100018
LH100.3208.71L	32	7.9	112	24.8	7.15	33.8	25	50	100018
LH100.2608.72L	26	7.9	110	21.4	6.95	33.8	25	50	100028
LH100.3208.72L	32	7.9	112	24.8	6.95	33.8	25	50	100028
LH100.2608.93L	26	8	115	21.4	6.85	40	25	50	100038
LH100.3208.93L	32	8	115	24.8	6.85	42	32.5	65	100038

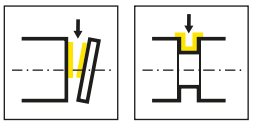
w见刀片
w see inserts

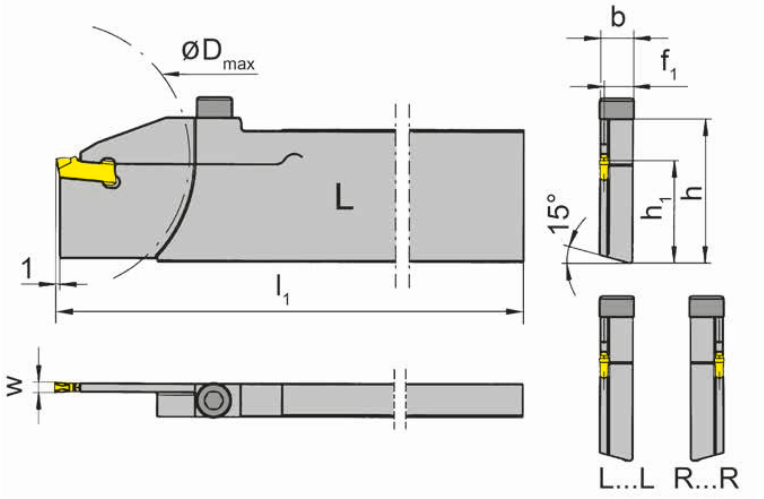
配件
Spare Parts

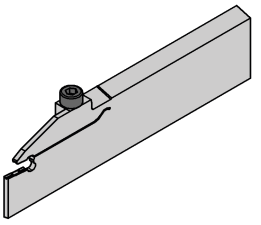
刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LH100...	**4.15T15P**	**T15PQ**
R/LH100...93R/L	**030.0413.T15P**	**T15PQ**

刀杆
Toolholder

H100







L=左手型-如图
L = left hand version shown

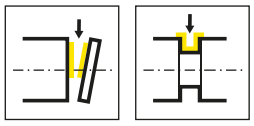
R=右手型
R = right hand version

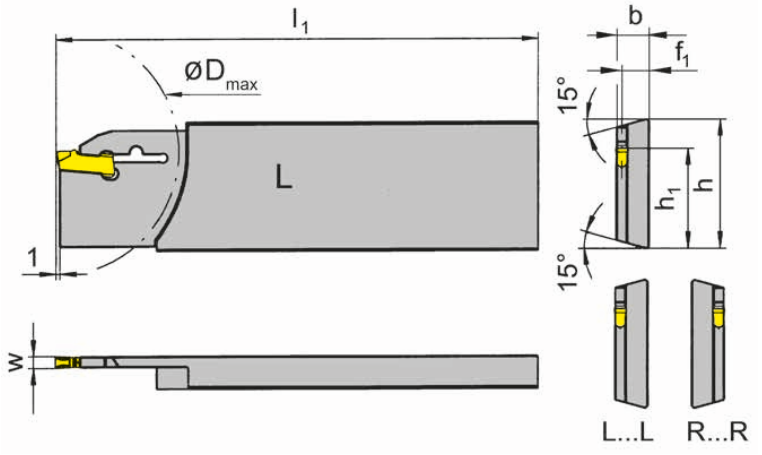
产品型号 Part number	h	b	l_1	h_1	f_1	t_{max}	D_{max}	HWS
RH100.3280.73R	32	7.9	130	24.8	6.75	32.5	65	100038
RH100.3280.74R	32	7.9	130	24.8	6.35	32.5	65	100048
LH100.3280.73L	32	7.9	130	24.8	6.75	32.5	65	100038
LH100.3280.74L	32	7.9	130	24.8	6.35	32.5	65	100048

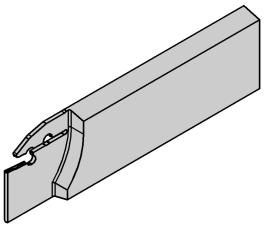
w见刀片
w see inserts

刀杆
Toolholder

H100







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

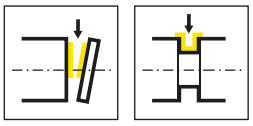
产品型号 Part number	h	b	l_1	h_1	f_1	t_{max}	D_{max}	HWS
RH100.2608.31R	26	7.9	110	21.4	7.15	21	42	100018
RH100.3208.31R	32	7.9	112	24.8	7.15	25	50	100018
RH100.2608.32R	26	7.9	110	21.4	6.95	25	50	100028
RH100.3208.32R	32	7.9	112	24.8	6.95	34	68	100028
RH100.2608.33R	26	7.9	110	21.4	6.75	25	50	100038
RH100.3208.33R	32	7.9	112	24.8	6.75	34	68	100038
RH100.2608.34R	26	7.9	110	21.4	6.35	25	50	100048
RH100.3208.34R	32	7.9	112	24.8	6.35	34	68	100048
LH100.2608.31L	26	7.9	110	21.4	7.15	21	42	100018
LH100.3208.31L	32	7.9	112	24.8	7.15	25	50	100018
LH100.2608.32L	26	7.9	110	21.4	6.95	25	50	100028
LH100.3208.32L	32	7.9	112	24.8	6.95	34	68	100028
LH100.2608.33L	26	7.9	110	21.4	6.75	25	50	100038
LH100.3208.33L	32	7.9	112	24.8	6.75	34	68	100038
LH100.2608.34L	26	7.9	110	21.4	6.35	25	50	100048
LH100.3208.34L	32	7.9	112	24.8	6.35	34	68	100048

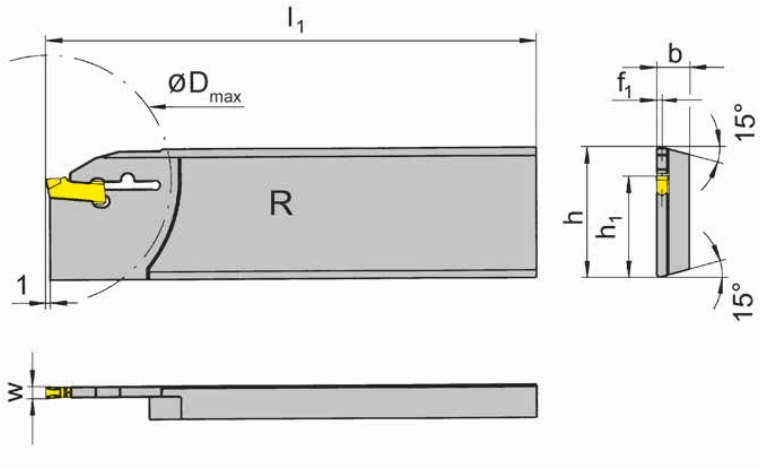
w见刀片
w see inserts

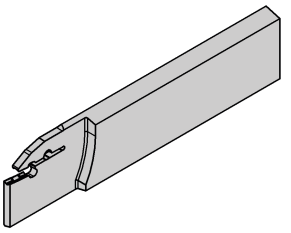
扳手P39L不包含在刀板中，需单独订购！
Wrench P39L is not combined with toolholder - separate order required!

刀杆
Toolholder

H100







R=右手型
R = right hand version

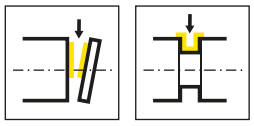
产品型号 Part number	h	b	l_1	h_1	f_1	t_{max}	D_{max}	HWS
RH100.3208.2.44	32	7.9	160	24.8	1.55	41	80	100048
RH100.3208.44	32	7.9	130	24.8	1.55	41	80	100048

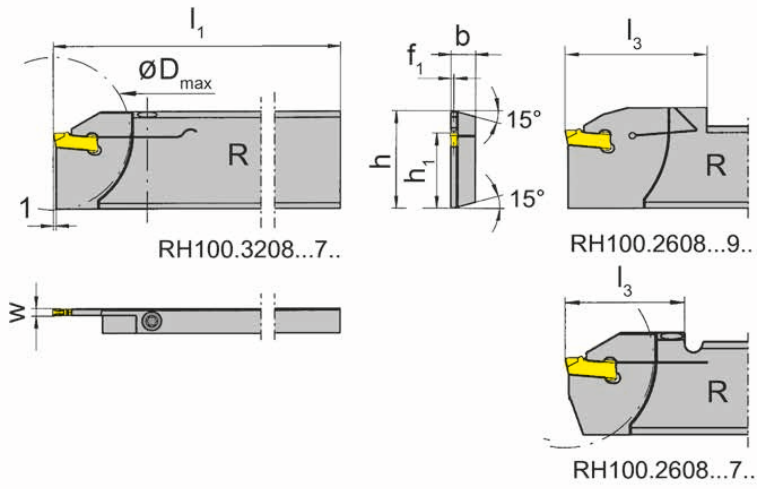
w见刀片
w see inserts

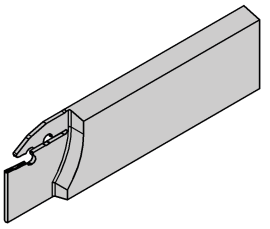
扳手P39L不包含在刀板中，需单独订购！
Wrench P39L is not combined with toolholder - separate order required!

刀杆
Toolholder

H100







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	h_1	f_1	l_3	t_{max}	D_{max}	HWS
RH100.2608.71	26	7.9	110	21.4	0.75	33.8	25	50	100018
RH100.3208.71	32	7.9	112	24.8	0.75	33.8	25	50	100018
RH100.2608.72	26	7.9	110	21.4	0.95	33.8	25	50	100028
RH100.3208.72	32	7.9	112	24.8	0.95	33.8	25	50	100028
RH100.2608.93	26	8	112	21.4	1.15	40	25	50	100038
RH100.3208.93	32	8	112	24.8	1.15	40	32.5	65	100038
LH100.2608.71	26	7.9	110	21.4	0.75	33.8	25	50	100018
LH100.3208.71	32	7.9	112	24.8	0.75	33.8	25	50	100018
LH100.2608.72	26	7.9	110	21.4	0.95	33.8	25	50	100028
LH100.3208.72	32	7.9	112	24.8	0.95	33.8	25	50	100028
LH100.2608.93	26	8	112	21.4	1.15	40	25	50	100038
LH100.3208.93	32	8	112	24.8	1.15	40	32.5	65	100038

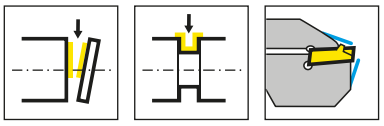
w见刀片
w see inserts

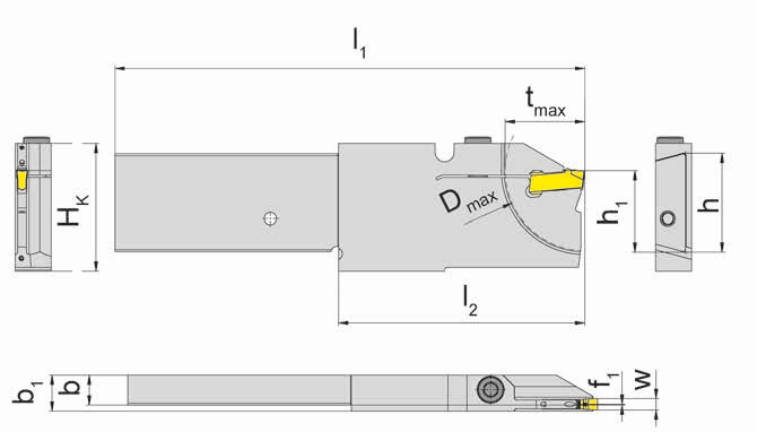
配件
Spare Parts

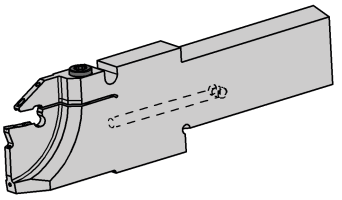
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH100...	**4.15T15P**	**T15PQ**
R/LH100...93	**030.0413.T15P**	**T15PQ**

刀杆
Toolholder

H100







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	H_K	h	b	l_1	h_1	f	t_{max}	l_2	D_{max}	b_1	HWS
RH100.2608.2.16.4.72.IK	33.6	26	7.9	124	21.4	0.2	16	65	32	9.5	100028
RH100.2608.2.16.4.72R.IK	33.6	26	7.9	124	21.4	6.4	16	65	32	9.5	100028
RH100.2608.2.21.4.73.IK	33.6	26	7.9	124	21.4	0.2	21	65	42	9.5	100038
RH100.2608.2.21.4.73R.IK	33.6	26	7.9	124	21.4	6.4	21	65	42	9.5	100038

适用于TRAUB和INDEX机床
for machines DMG MORI (Multisprint)

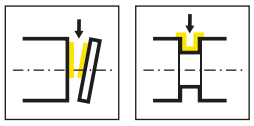
w见刀片
w see inserts

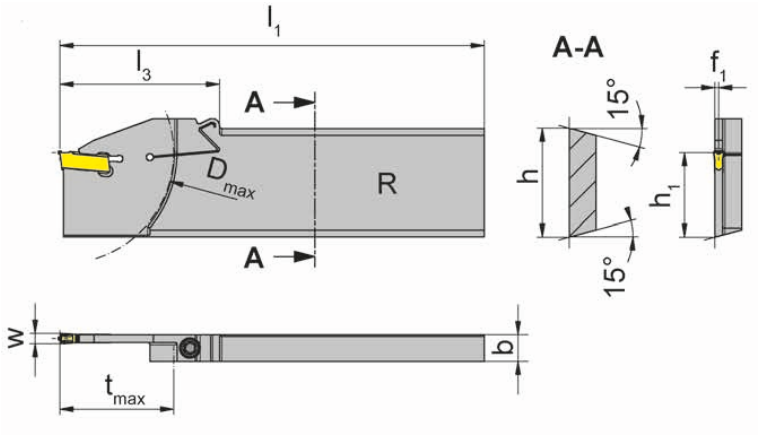
配件
Spare Parts

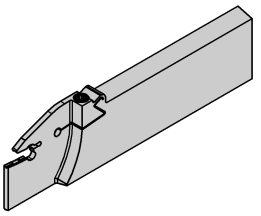
刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
RH100...	**5.13T20P**	**T20PQ**

刀杆
Toolholder

H100







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	h_1	f_1	l_3	t_{max}	D_{max}	机床型号 Machine type	HWS
RH100.3208.83	32	8	125	24.8	1.15	47	33.5	65	TraubTNX65/42, IndexC65/	100038
LH100.3208.83	32	8	125	24.8	1.15	47	33.5	65	TraubTNX65/42, IndexC65/	100038
LH100.3208.15.83	32	8	150	24.8	1.15	47	33.5	65	TraubTNX65/42, IndexC65/	100038
LH100.3208.84	32	8	125	24.8	1.5	47	33.5	65	TraubTNX65/42, IndexC65/	100048

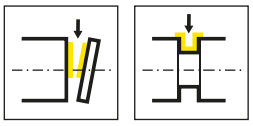
w见刀片
w see inserts

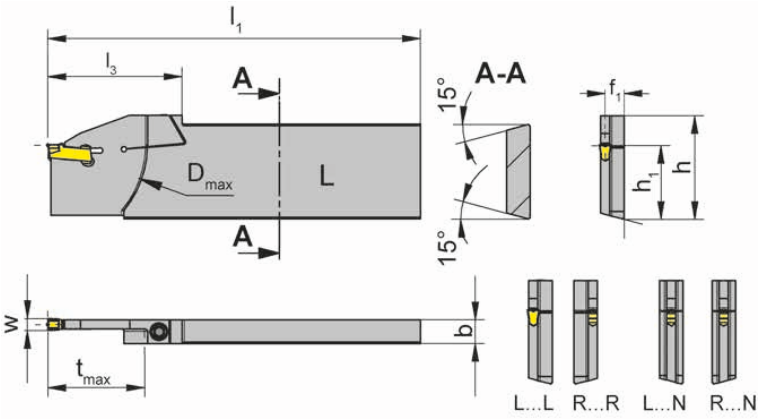
配件
Spare Parts

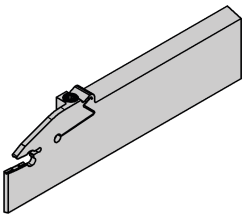
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH100...	**030.505P.0718**	**T15PQ**
LH100.3208.15.83	**030.505P.0718**	**T15PL**

刀杆
Toolholder

H100







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

产品型号 Part number	h	b	l_1	h_1	f_1	l_3	t_{max}	D_{max}	机床型号 Machine type	HWS
RH100.3208.83R	32	8	125	24.8	6.85	47	33.5	65	TraubTNX65/42, IndexC65/	100038
RH100.3208.83N	32	8	125	24.8	4	47	33.5	65	TraubTNX65/42, IndexC65/	100038
RH100.3208.84R	32	8	125	24.8	6.5	47	33.5	65	TraubTNX65/42, IndexC65/	100048
RH100.3208.84N	32	8	134	24.8	4	54.5	41	80	TraubTNX80/65/	100048
LH100.3208.83L	32	8	125	24.8	6.85	47	33.5	65	TraubTNX65/42, IndexC65/	100038
LH100.3208.83N	32	8	125	24.8	4	47	33.5	65	TraubTNX65/42, IndexC65/	100038
LH100.3208.84L	32	8	125	24.8	6.5	47	33.5	65	TraubTNX65/42, IndexC65/	100048
LH100.3208.84N	32	8	134	24.8	4	54.5	41	80	TraubTNX80/65/	100048

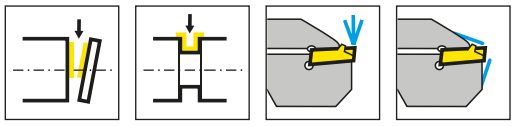
w见刀片
w see inserts

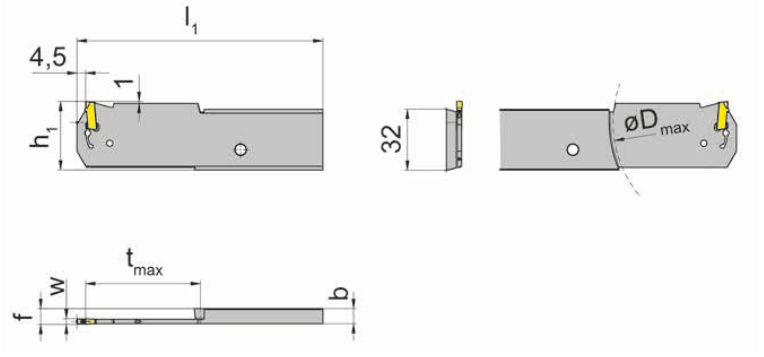
配件
Spare Parts

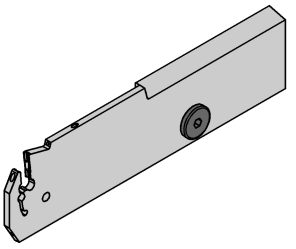
刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
LH100...	**030.505P.0718**	**T15PQ**

刀杆
Toolholder

H100







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	b	l_1	h_1	f	t_{max}	D_{max}	HWS
RH100.3208.Y.60.3.83.IK*	7.9	128.5	36	8.25	60	120	100039 • 100038
RH100.3208.Y.60.3.84.IK*	7.9	128.5	36	8.25	60	120	100049 • 100048
RH100.3208.Y.60.4.83.IK	7.9	128.5	36	8.25	60	120	100038
RH100.3208.Y.60.4.84.IK	7.9	128.5	36	8.25	60	120	100048
LH100.3208.Y.60.3.83.IK*	7.9	128.5	36	8.25	60	120	100039 • 100038
LH100.3208.Y.60.3.84.IK*	7.9	128.5	36	8.25	60	120	100049 • 100048
LH100.3208.Y.60.4.83.IK	7.9	128.5	36	8.25	60	120	100038
LH100.3208.Y.60.4.84.IK	7.9	128.5	36	8.25	60	120	100048

w见刀片
w see inserts

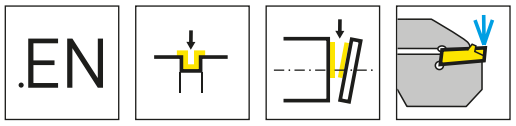
P101.02扳手不包括在铣刀中-需另行订购!
Wrench P101.02 is not combined with slotting cutter - separate order required!

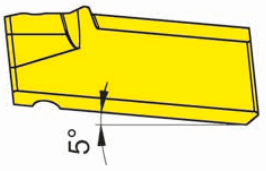
配件
Spare Parts

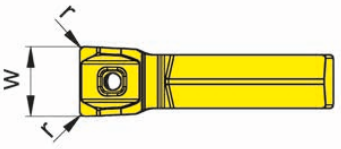
刀杆 Toolholder	**冷却塞** Coolant plug
R/LH100...	**020.IK01.5732**

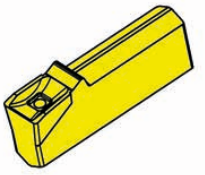
刀片
Insert

S100







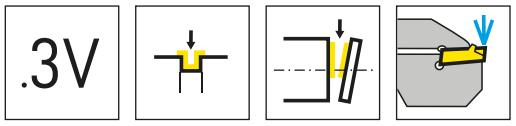


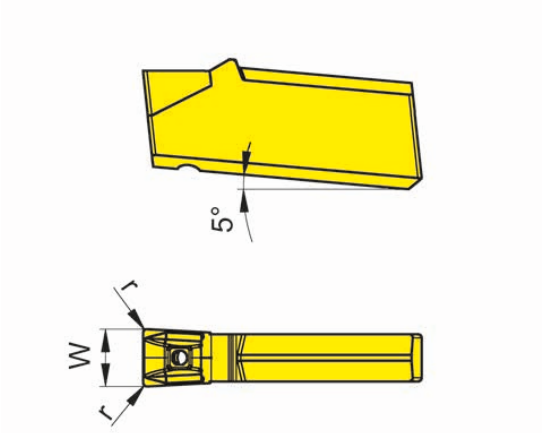
硬质合金牌号
Carbide grades

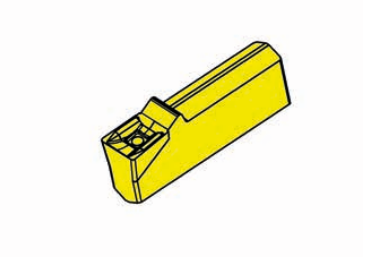
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	HIS		AS45	EG55	HP65
S100.0250.EN2.IK	2.5	0.2	100029		▲	Δ	▲
S100.0300.EN2.IK	3	0.2	100039		▲	▲	▲
S100.0400.EN3.IK	4	0.3	100049		▲	▲	▲
				P	●	●	●
				M	●	o	●
				K	●	o	●
				N	o	-	o
				S	●	-	●
				H	-	-	-







硬质合金牌号
Carbide grades

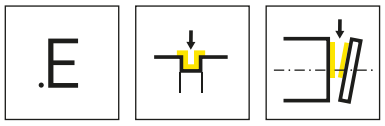
▲ 库存
on stock

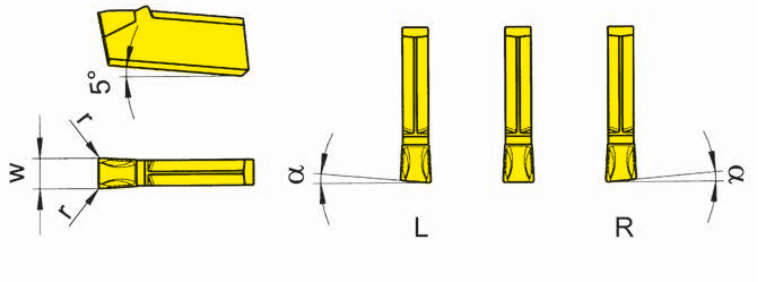
Δ 4周
4 weeks

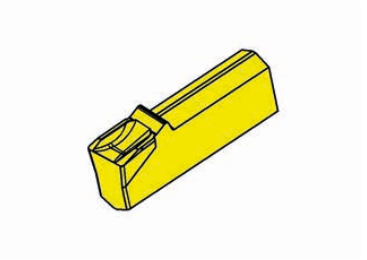
产品型号 Part number	w	r	HIS		HP65	IG35
S100.0250.3V2.IK	2.5	0.2	100029		▲	▲
S100.0300.3V2.IK	3	0.2	100039		▲	▲
				P	●	-
				M	●	●
				K	●	-
				N	o	-
				S	●	●
				H	-	-

刀片
Insert

S100







R=右手型
R = right hand version

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

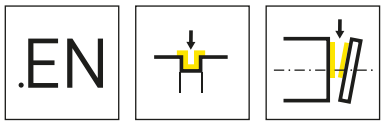
▲ 库存
on stock

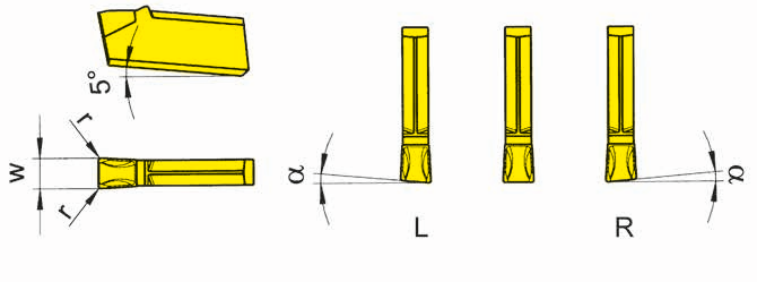
Δ 4周
4 weeks

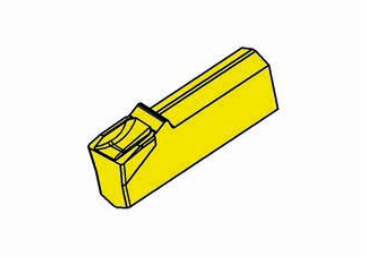
产品型号 Part number	w	r	α	HIS	ALX2	ALX3	AS63	AS66	TC92	TC93	TF42	TF43	TF45	TF46	TI22
RS100.0520.E2	2	0.2	5°	100018					Δ			▲	▲	Δ	
RS100.0525.E2	2.5	0.2	5°	100028					Δ	▲		▲	▲	Δ	Δ
RS100.0530.E2	3	0.2	5°	100038		▲			Δ	Δ	▲	▲	▲	▲	▲
RS100.0540.E2	4	0.2	5°	100048		Δ			Δ	Δ		▲	▲	Δ	Δ
LS100.0520.E2	2	0.2	5°	100018					Δ	Δ		Δ	▲	Δ	
LS100.0525.E2	2.5	0.2	5°	100028					Δ	Δ		Δ	Δ	Δ	Δ
LS100.0530.E2	3	0.2	5°	100038		▲			▲	Δ	Δ	▲	▲	▲	Δ
LS100.0540.E2	4	0.2	5°	100048		Δ			Δ	Δ		▲	▲	Δ	
S100.0200.E2	2	0.2	0°	100018		▲				Δ		▲	▲	▲	
S100.0250.E2	2.5	0.2	0°	100028					Δ			▲	▲	▲	Δ
S100.0300.E2	3	0.2	0°	100038	Δ	▲	▲	▲	▲	▲	▲	▲	▲	▲	Δ
S100.0400.E3	4	0.3	0°	100048		▲				▲		▲	▲	▲	
S100.0500.E3	5	0.3	0°	100058				Δ	Δ	▲		▲	▲	▲	Δ
P					●	●	●	●	●	●	●	●	●	●	●
M					-	-	-	o	-	-	-	-	●	o	-
K					-	-	-	●	-	-	-	-	●	●	-
N					-	-	-	●	-	-	-	-	●	●	-
S					-	-	-	o	-	-	-	-	●	o	-
H					-	-	-	-	-	-	-	-	-	-	-

刀片
Insert

S100







R=右手型
R = right hand version

L=左手型
L = left hand version

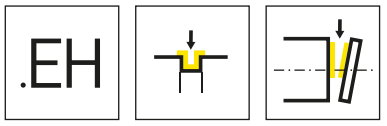
▲ 库存
on stock

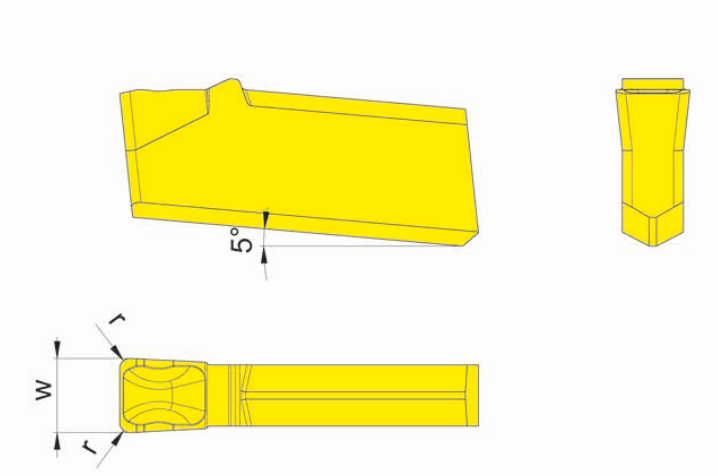
Δ 4周
4 weeks

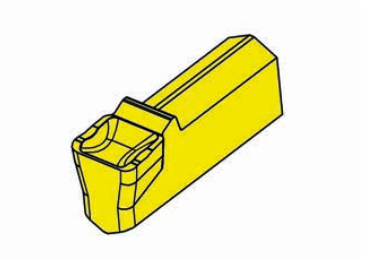
产品型号 Part number	w	r	α	HIS	硬质合金牌号 Carbide grades							
					ALX3	ALX5	AS62	AS63	AS66	AS6G	TF45	TH35
RS100.0530.EN2	3	0.2	5°	100038			▲		▲			
RS100.0540.EN2	4	0.2	5°	100048	▲							
LS100.0540.EN2	4	0.2	5°	100048	▲							
LS100.0480.EN8	8	0.8	4°	100088					Δ			
S100.0200.EN2	2	0.2	0°	100018	▲	Δ				▲		Δ
S100.0220.EN2	2.2	0.2	0°	100018						▲		
S100.0250.EN2	2.5	0.2	0°	100028						▲		
S100.0300.EN2	3	0.2	0°	100038	▲	Δ		▲	▲	▲	Δ	
S100.0400.EN3	4	0.3	0°	100048	▲			▲		▲		
S100.0500.EN3	5	0.3	0°	100058	▲							
S100.0600.EN6	6	0.6	0°	100068						▲		
S100.0800.EN8	8	0.8	0°	100088						▲		
S100.1000.EN8	10	0.8	0°	100108						▲		
S100.1200.EN8	12	0.8	0°	100128						▲		
S100.1600.EN8	16	0.8	0°	100168						▲		
P					●	●	●	●	●	●	●	●
M					-	●	-	-	o	●	●	●
K					-	●	-	-	●	●	●	●
N					-	●	-	-	●	●	●	●
S					-	●	-	-	o	●	●	●
H					-	-	-	-	-	-	-	-

刀片
Insert

S100







硬质合金牌号
Carbide grades

▲ 库存
on stock

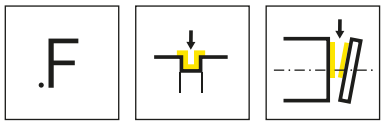
Δ 4周
4 weeks

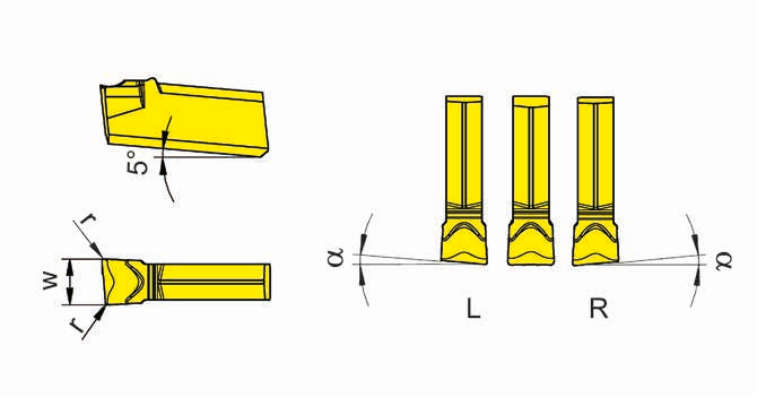
产品型号 Part number	w	r	HIS	IG6G
S100.0300.EH4	3	0.4	100038	▲
S100.0400.EH6	4	0.6	100048	▲

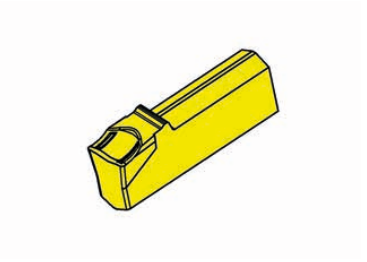
P	●
M	o
K	o
N	-
S	-
H	-

刀片
Insert

S100







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

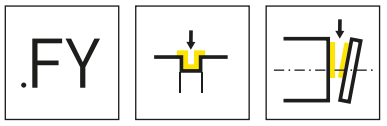
▲ 库存
on stock

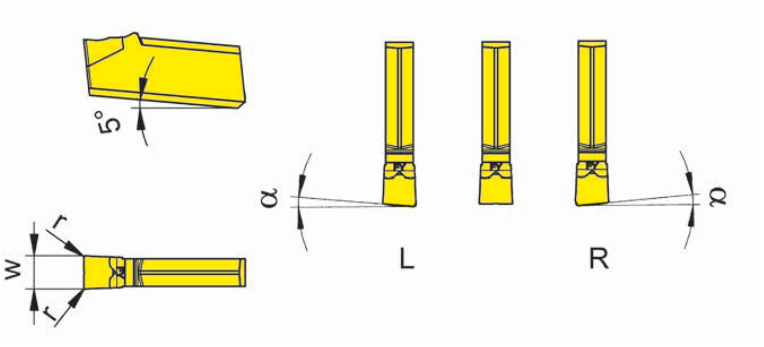
Δ 4周
4 weeks

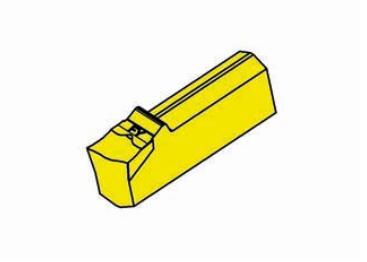
产品型号 Part number	w	r	α	HIS		TC92	TC93	TF42	TF43	TF45	TF46	TI22
RS100.0520.F2	2	0.2	5°	100018		Δ	Δ		Δ	▲		Δ
RS100.0525.F2	2.5	0.2	5°	100028		Δ	Δ		Δ	▲	Δ	Δ
RS100.0530.F2	3	0.2	5°	100038		Δ	Δ		▲	▲	▲	Δ
RS100.0540.F2	4	0.2	5°	100048		Δ	Δ			▲	Δ	Δ
LS100.0520.F2	2	0.2	5°	100018		Δ	Δ		Δ		Δ	Δ
LS100.0525.F2	2.5	0.2	5°	100028		Δ	Δ		Δ	▲	Δ	Δ
LS100.0530.F2	3	0.2	5°	100038		Δ			Δ	▲		Δ
LS100.0540.F2	4	0.2	5°	100048		Δ	Δ		Δ	▲	Δ	Δ
S100.0200.F2	2	0.2	-	100018		▲	Δ		▲	▲	▲	Δ
S100.0250.F2	2.5	0.2	0°	100028		Δ	Δ			▲	Δ	▲
S100.0300.F2	3	0.2	0°	100038			▲	Δ	▲	▲	▲	Δ
S100.0400.F3	4	0.3	0°	100048		Δ	▲		▲	▲	▲	Δ
S100.0500.F3	5	0.3	0°	100058		Δ			Δ	▲	Δ	Δ
					P	●	●	●	●	●	●	●
					M	-	-	-	-	●	o	-
					K	-	-	-	-	●	●	-
					N	-	-	-	-	●	●	-
					S	-	-	-	-	●	o	-
					H	-	-	-	-	-	-	-

刀片
Insert

S100







R=右手型
R = right hand version

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

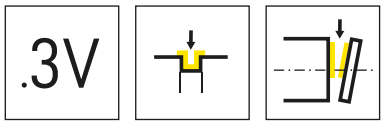
▲ 库存
on stock

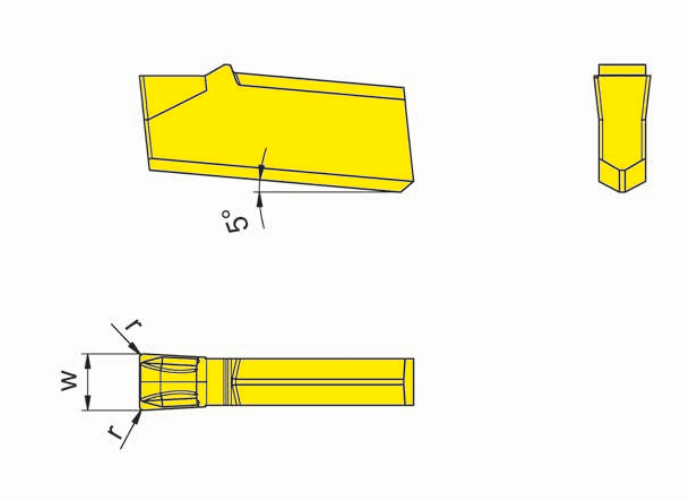
Δ 4周
4 weeks

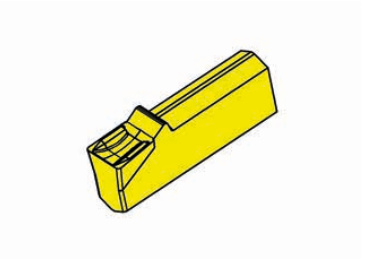
产品型号 Part number	w	r	α	HIS	AS45	HP65	IG35	PH35	TI25
RS100.1520.FY0	2	0	15°	100018	▲		▲		
RS100.1530.FY0	3	-	15°	100038	▲		▲		
LS100.1520.FY0	2	0	15°	100018	▲		▲		
LS100.1530.FY0	3	-	15°	100038	▲		▲		
S100.0200.FY2	2	0.2	-	100018	Δ	▲	▲	Δ	▲
S100.0220.FY2	2.2	0.2	0°	100018			▲		▲
S100.0250.FY2	2.5	0.2	0°	100028	Δ	▲	▲		▲
S100.0300.FY2	3	0.2	0°	100038	Δ	▲	▲		▲
S100.0400.FY3	4	0.3	0°	100048		▲	▲		▲
					P ●	●	-	o	●
					M ●	●	●	o	●
					K ●	●	-	●	●
					N o	o	-	-	●
					S ●	●	●	-	●
					H -	-	-	-	-

刀片
Insert

S100







硬质合金牌号
Carbide grades

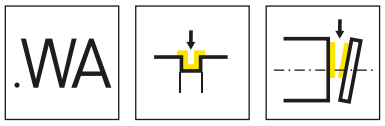
▲ 库存
on stock

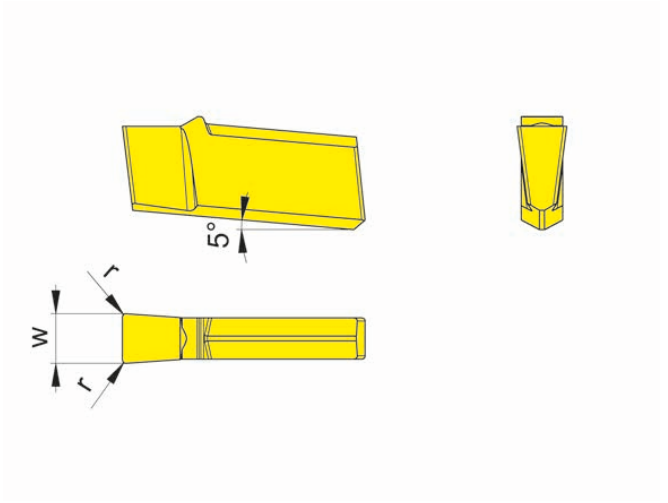
Δ 4周
4 weeks

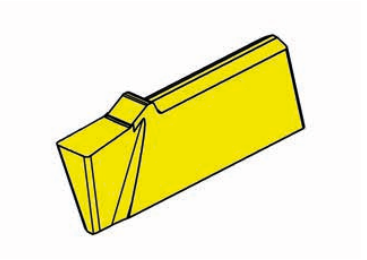
产品型号 Part number	w	r	HIS		AS45	HP35	HP65	IG35	IG65	IG6G	PH35
S100.0200.3V2	2	0.2	100018		▲	Δ	▲	▲	▲		Δ
S100.0250.3V2	2.5	0.2	100028		▲		▲	▲	▲		
S100.0300.3V2	3	0.2	100038		▲		▲	▲	▲	▲	
S100.0400.3V3	4	0.3	100048		▲		▲	▲	▲		
				P	●	o	●	-	●	●	o
				M	●	●	●	●	●	o	o
				K	●	o	●	-	-	o	●
				N	o	-	o	-	-	-	-
				S	●	o	●	●	o	-	-
				H	-	-	-	-	-	-	-

刀片
Insert

S100







硬质合金牌号
Carbide grades

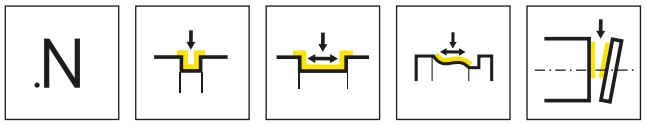
▲ 库存
on stock

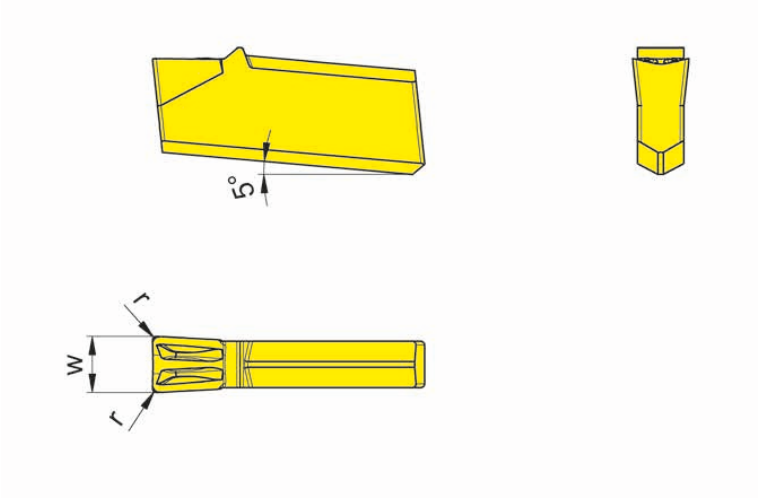
Δ 4周
4 weeks

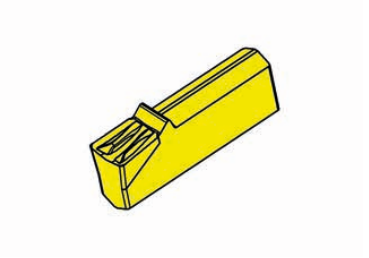
产品型号 Part number	w	r	HIS		K10	DD26
S100.0200.WA2	2	0.2	100018		▲	▲
S100.0300.WA2	3	0.2	100038		▲	▲
				P	●	-
				M	o	-
				K	●	-
				N	●	●
				S	o	o
				H	-	-

刀片
Insert

S100







硬质合金牌号
Carbide grades

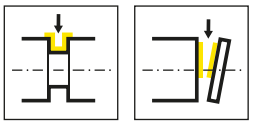
▲ 库存
on stock

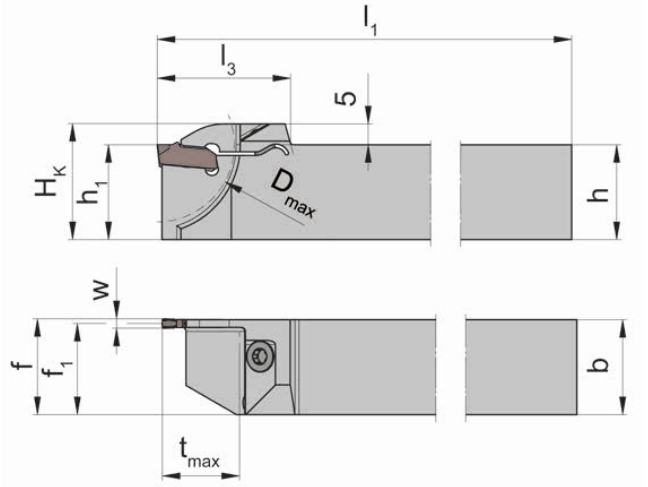
Δ 4周
4 weeks

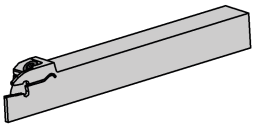
产品型号 Part number	w	r	HIS		AS45	HP65
S100.0300.N2	3	0.2	100038		▲	▲
S100.0400.N3	4	0.3	100048		▲	▲
				P	●	●
				M	●	●
				K	●	●
				N	o	o
				S	●	●
				H	-	-

刀杆
Toolholder

H101







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

产品型号 Part number	h	b	l_1	l_3	h_1	f_1	f	t_{max}	H_K	D_{max}	HWS
RH101.1010.1.12	10	10	125	22.5	10	9.53	f_1+w/2	13	13.5	26	10112
RH101.1212.1.12	12	12	125	22.5	12	11.53	f_1+w/2	13	15.5	26	10112
RH101.1616.1.12	16	16	125	22.5	16	15.53	f_1+w/2	13	19.5	26	10112
RH101.1010.1.16	10	10	125	22.5	10	9.35	f_1+w/2	13	13.5	26	10116
RH101.1212.1.16	12	12	125	22.5	12	11.35	f_1+w/2	13	15.5	26	10116
RH101.1616.1.16	16	16	125	22.5	16	15.35	f_1+w/2	13	19.5	26	10116
LH101.1010.1.12	10	10	125	22.5	10	9.53	f_1+w/2	13	13.5	26	10112
LH101.1212.1.12	12	12	125	22.5	12	11.53	f_1+w/2	13	15.5	26	10112
LH101.1616.1.12	16	16	125	22.5	16	15.53	f_1+w/2	13	19.5	26	10112
LH101.1010.1.16	10	10	125	22.5	10	9.35	f_1+w/2	13	13.5	26	10116
LH101.1212.1.16	12	12	125	22.5	12	11.35	f_1+w/2	13	15.5	26	10116
LH101.1616.1.16	16	16	125	22.5	16	15.35	f_1+w/2	13	19.5	26	10116

w见刀片
w see inserts

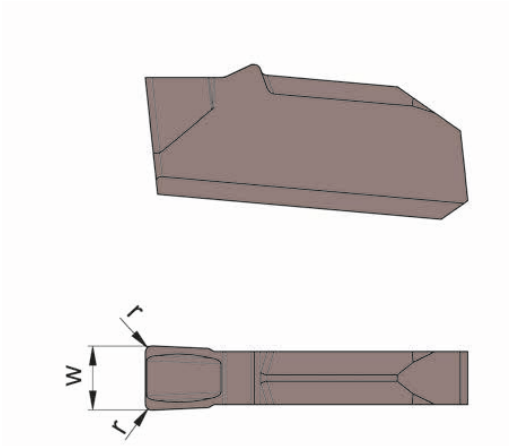
配件
Spare Parts

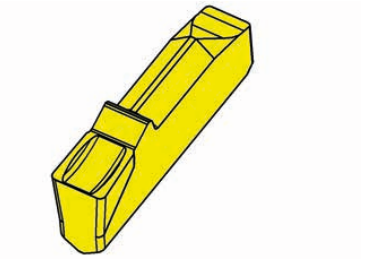
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH101...	**3.5.12T10EP**	**T10PL**

刀片
Insert

S101

.3





硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	HIS		AS45	IG35
S101.0120.315	1.2	0.15	10112		▲	▲
S101.0160.315	1.6	0.15	10116		▲	▲
				P	●	-
				M	●	●
				K	●	-
				N	o	-
				S	●	●
				H	-	-

H117

刀杆和刀片

轮廓宽度 10 - 45 mm

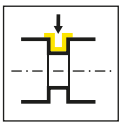
Toolholder and Inserts

Width of profile 10 - 45 mm

仿形加工(外圆)
Profiling (external)

B

刀杆
Toolholder
H117



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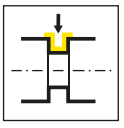
79-80, 82, 84, 86-87

刀片
Insert
S117



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技术信息
Technical Instructions

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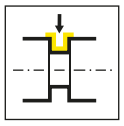
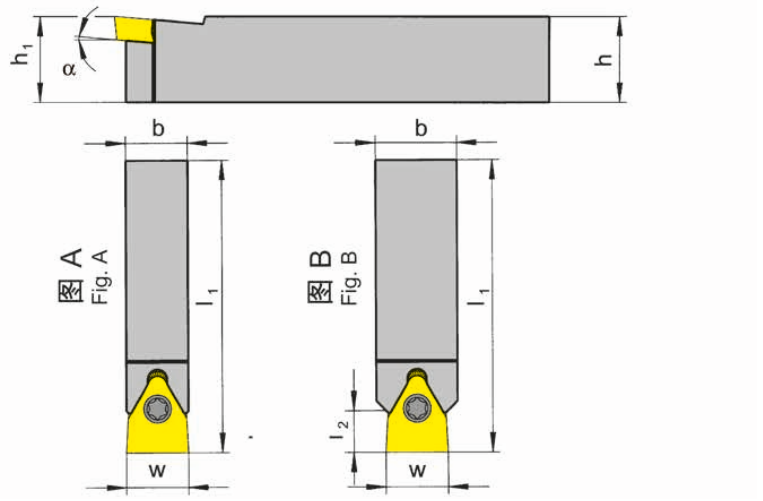
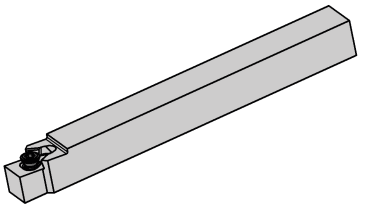
H117



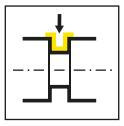


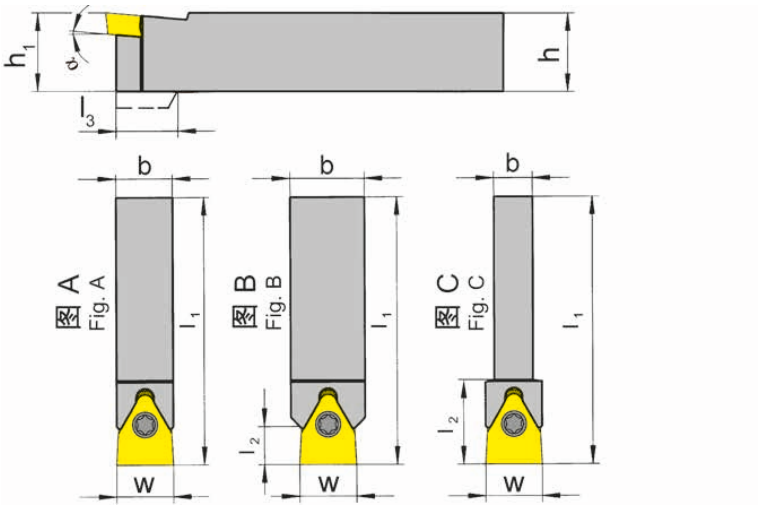


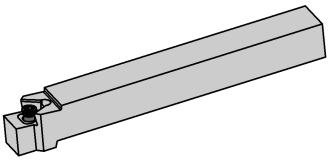
产品型号 Part number	h	b	l_1	h_1	α	形式 Figur	l_2	w	刀片 Insert	HWS
H117.1010.10	10	10	100	10	5°	A	-	10	S117.0010.00	1171005
H117.1212.10	12	12	125	12	5°	B	9	10	S117.0010.00	1171005
H117.1616.10	16	16	125	16	5°	B	9	10	S117.0010.00	1171005
H117.1212.12	12	12	125	12	5°	A	-	12	S117.0012.00	1171205
H117.1414.12	14	14	125	14	5°	B	8	12	S117.0012.00	1171205
H117.1612.12	16	12	125	16	5°	A	-	12	S117.0012.00	1171205
H117.1616.12	16	16	125	16	5°	B	8	12	S117.0012.00	1171205
H117.2020.12	20	20	150	20	5°	B	8	12	S117.0012.00	1171205

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
H117.1010.10	**030.400P.0227**	**T15PQ**
H117...	**4.09T15P**	**T15PQ**



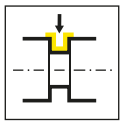


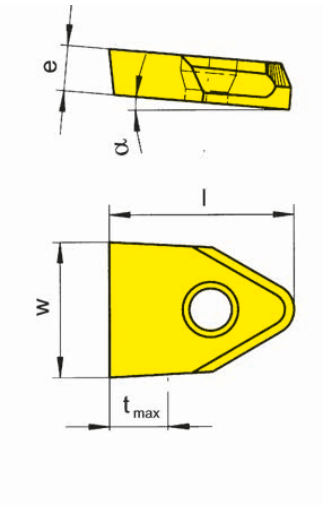


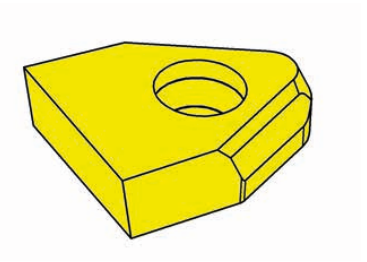
产品型号 Part number	h	b	l_1	h_1	l_3	α	形式 Figur	l_2	w	刀片 Insert	HWS
H117.1414.16	14	14	125	14	18	5°	C	22	16	S117.0014/16.00	1171605
H117.1616.16	16	16	125	16	-	5°	A / B	11	16	S117.0014/16.00	1171605
H117.2020.16	20	20	150	20	-	5°	B	11	16	S117.0014/16.00	1171605
H117.2525.16	25	25	150	25	-	5°	B	8.5	16	S117.0014/16.00	1171605
H117.1616.20	16	16	125	16	23	5°	C	30	20	S117.0018/20.00	1172005
H117.2020.20	20	20	150	20	-	5°	A / B	15	20	S117.0018/20.00	1172005
H117.2525.20	25	25	150	25	-	5°	B	15	20	S117.0018/20.00	1172005
H117.2020.26	20	20	150	20	-	5°	C	30	26	S117.0026.00	1172605
H117.2525.26	25	25	150	25	-	5°	A	-	26	S117.0026.00	1172605

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
H117...16	**5.12T20P**	**T20PQ**
H117...	**6.17T20P**	**T20PQ**





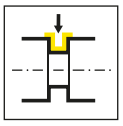


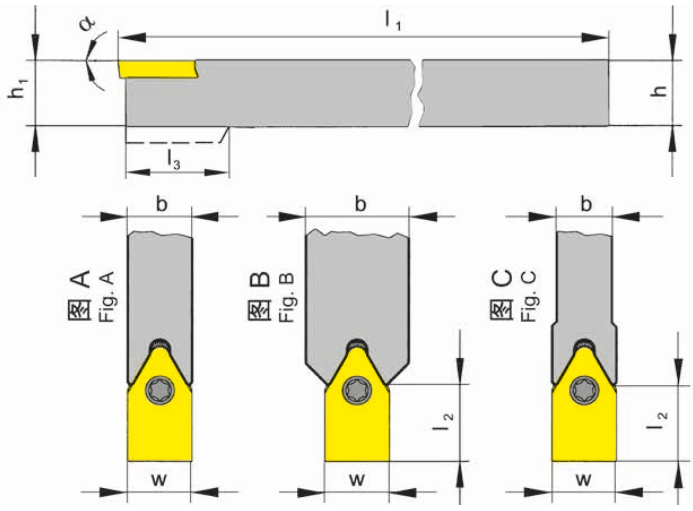
硬质合金牌号
Carbide grades

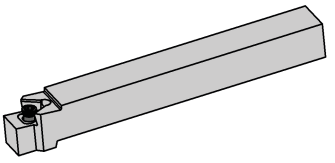
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	E	t_{max}	l	α	刀杆 Toolholder	HIS		MG12	H54
S117.0010.00	10	3	3.5	16	5°	H117...10	1171005		▲	
S117.0012.00	12	4.5	4.5	17	5°	H117...12	1171205		▲	
S117.0014.00	14	6	6	21	5°	H117...16	1171605		▲	
S117.0016.00	16	6	6	21	5°	H117...16	1171605		▲	
S117.0018.00	18	7	9	29	5°	H117...20	1172005		▲	
S117.0020.00	20	7	9	29	5°	H117...20	1172005		▲	
S117.0026.00	26	7	10	32	5°	H117...26	1172605		▲	
								P	o	●
								M	-	●
								K	-	-
								N	-	-
								S	-	-
								H	-	-



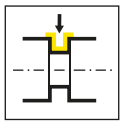


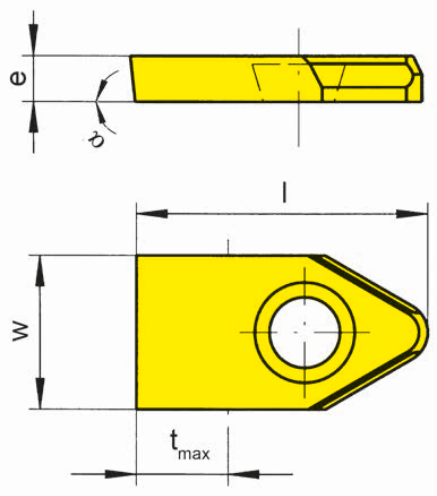


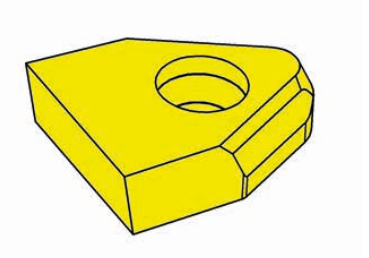
产品型号 Part number	h	b	l_1	h_1	l_3	α	形式 Figur	l_2	w	刀片 Insert	HWS
H117.1010.02.10	10	10	100	10	-	0°	A	-	10	S117.0010.02.00	1171000
H117.1212.02.10	12	12	125	12	-	0°	B	12	10	S117.0010.02.00	1171000
H117.1616.02.10	16	16	125	16	-	0°	B	12	10	S117.0010.02.00	1171000
H117.1212.02.12	12	12	125	12	-	0°	A	-	12	S117.0012.02.00	1171200
H117.1616.02.12	16	16	125	16	-	0°	B	11	12	S117.0012.02.00	1171200
H117.2020.02.12	20	20	150	20	-	0°	B	11	12	S117.0012.02.00	1171200
H117.1616.02.16	16	16	125	16	-	0°	A	-	16	S117.0016.02.00	1171600
H117.2020.02.16	20	20	150	20	-	0°	B	14	16	S117.0016.02.00	1171600
H117.1616.02.20	16	16	125	16	26	0°	C	33	20	S117.0020.02.00	1172000
H117.2020.02.20	20	20	150	20	-	0°	A	-	20	S117.0020.02.00	1172000
H117.2525.02.20	25	25	150	25	-	0°	B	19	20	S117.0020.02.00	1172000
H117.2020.02.26	20	20	150	20	-	0°	C	33	26	S117.0026.02.00	117MD07
H117.2525.02.26	25	25	150	25	-	0°	A	-	26	S117.0026.02.00	117MD07

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
H117...10/12	**4.09T15P**	**T15PQ**
H117...16	**5.12T20P**	**T20PQ**
H117...20/26	**6.17T20P**	**T20PQ**







硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

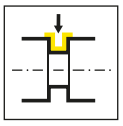
产品型号 Part number	w	E	t_{max}	l	α	刀杆 Toolholder	HIS	MG12
S117.0010.02.00	10	3	6.5	19	0°	H117...02.10	1171000	▲
S117.0012.02.00	12	4.5	7.5	20	0°	H117...02.12	1171200	▲
S117.0016.02.00	16	6	9	24	0°	H117...02.16	1171600	▲
S117.0020.02.00	20	7	12	32	0°	H117...02.20	1172000	▲
S117.0026.02.00	26	7	13	35	0°	H117...02.26	117MD07	▲

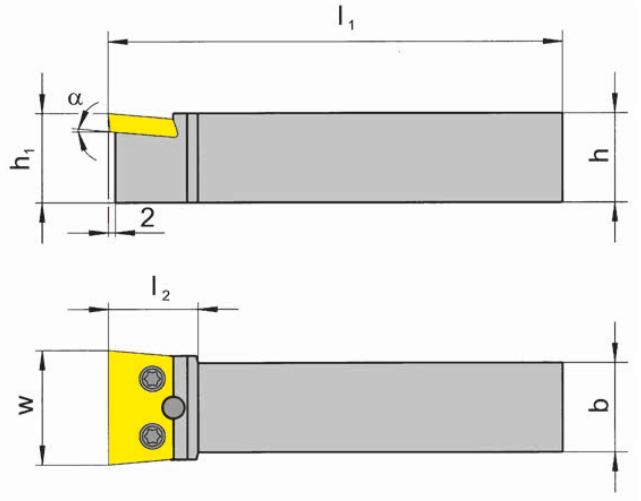
P	o
M	-
K	-
N	-
S	-
H	-

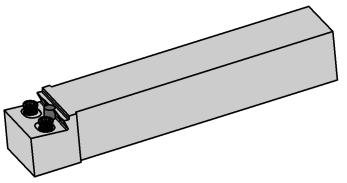
刀片轮廓根据要求
Profile insert upon request

刀杆
Toolholder

H117



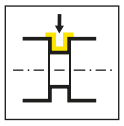


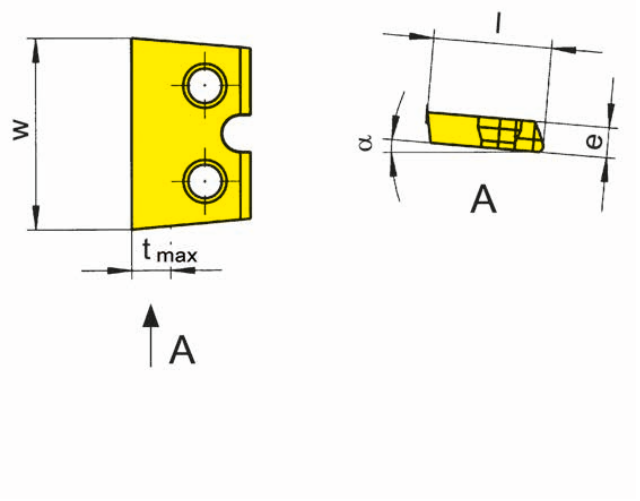


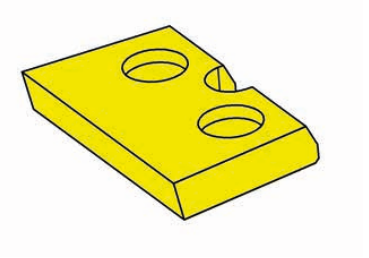
产品型号 Part number	h	b	l_1	h_1	α	l_2	w	刀片 Insert	HWS
H117.2020.32	20	20	150	20	5°	25	32	S117.0032.00	1173205
H117.2525.32	25	25	150	25	5°	25	32	S117.0032.00	1173205
H117.2525.45	25	25	150	25	5°	27	45	S117.0045.00	1174505
H117.3232.45	32	32	170	32	5°	27	45	S117.0045.00	1174505

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
H117...	**5.12T20P**	**T20PQ**







硬质合金牌号
Carbide grades

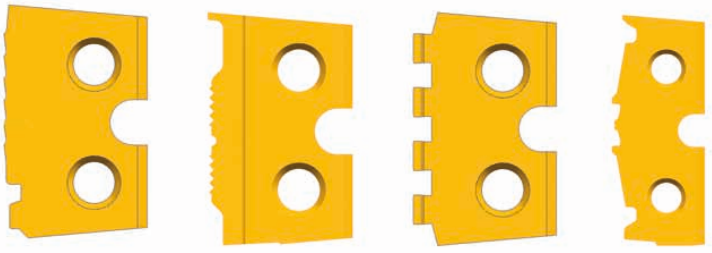
▲ 库存
on stock

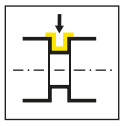
Δ 4周
4 weeks

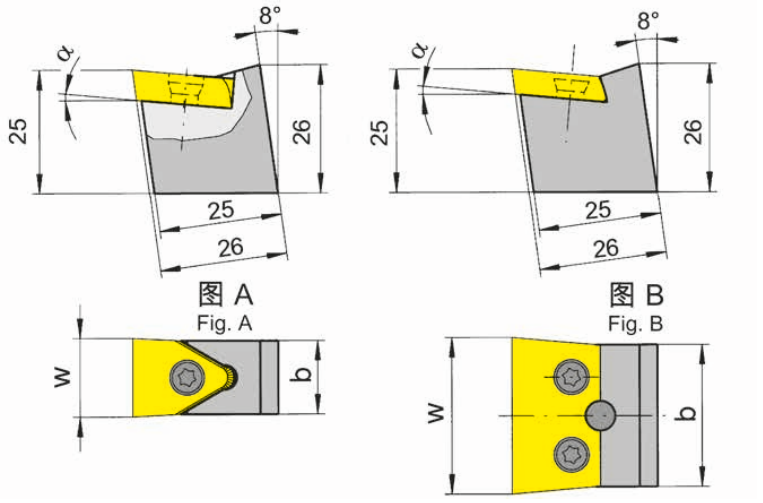
产品型号 Part number	w	E	t_{max}	l	α	刀杆 Toolholder	HIS	MG12
S117.0032.00	32	5	6.5	19.7	5°	H117...32	1173205	▲
S117.0045.00	45	5	6.5	19.7	5°	H117...45	1174505	▲

P	o
M	-
K	-
N	-
S	-
H	-

刀片轮廓根据要求
Profile insert upon request



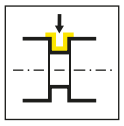


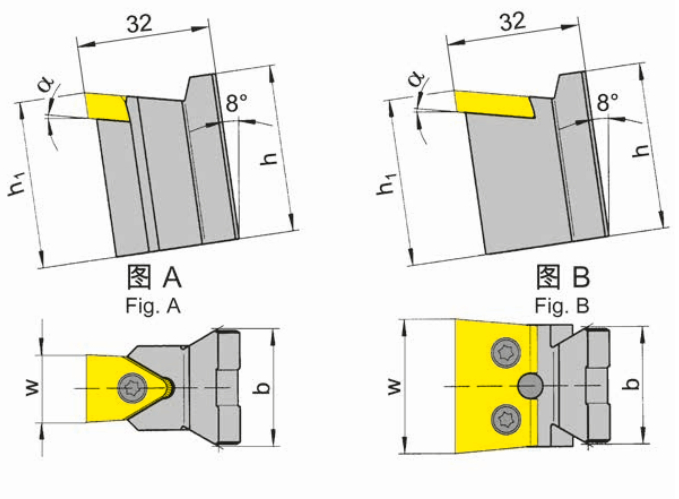


产品型号 Part number	b	α	? Figur	w	刀片 Insert	HWS	HMS
H117.PWP.10	10	5°	A	10	S117.0010.00	1171005	PWP
H117.PWP.12	12	5°	A	12	S117.0012.00	1171205	PWP
H117.PWP.16	16	5°	A	16	S117.0014/16.00	1171605	PWP
H117.PWP.32	28	5°	B	32	S117.0032.00	1173205	PWP
H117.PWP.45	42	5°	B	45	S117.0045.00	1174505	PWP

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
H117.PWP.10	**4.09T15P**	**T15PL**
H117.PWP.12	**4.09T15P**	**T15PQ**
H117.PWP...	**5.12T20P**	**T20PQ**





产品型号 Part number	h	b	l_1	h_1	t_{max}	α	形式 Figur	w	刀片 Insert	HWS	HMS
H117.AW20.10	36	20	32	40	3.5	5°	A	10	S117.0010.00	1171005	AWN
H117.AW28.10	36	28	32	40	3.5	5°	A	10	S117.0010.00	1171205	AWN
H117.AW20.12	36	20	32	40	4.5	5°	A	12	S117.0012.00	1171205	AWN
H117.AW28.12	36	28	32	40	4.5	5°	A	12	S117.0012.00	1171205	AWN
H117.AW20.16	36	20	32	40	6.5	5°	A	16	S117.0014/16.00	1171605	AWN
H117.AW28.16	36	28	32	40	6.5	5°	A	16	S117.0014/16.00	1171605	AWN
H117.AW28.20	36	28	32	40	9	5°	A	20	S117.0018/20.00	1172005	AWN
H117.AW28.26	36	28	35	40	10	5°	A	26	S117.0026.00	1172605	AWN
H117.AW28.32	36	28	32	40	6.5	5°	B	32	S117.0032.00	1173205	AWN
H117.AW40.45	46	40	32	50	6.5	5°	B	45	S117.0045.00	1174505	AWN

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
H117.AW2...10/12	**4.09T15P**	**T15PQ**
H117.AW...16/32/45	**5.12T20P**	**T20PQ**
H117.AW28.20/26	**6.17T20P**	**T20PQ**

S117 系列快速交货

HORN现在提供在五个工作日内交货非标刀具的选择，特别是对于S117切槽系列。为此，HORN再次优化了其现有的绿色生产线系统，这样用户不仅可以在短时间内获得仿形刀片，还可以获得合适的刀柄。即使是最复杂的刀片，刀柄也能保证有效安全的支撑刀片。在绿色生产系统中，客户在提交询价和零件图纸后，在两个工作日内收到包含刀片和刀柄简图的报价。下订单后，客户在48小时内收到确认图纸。客户确认后，HORN将在5个工作日内交货非标刀具。绿色生产线系统可用于数量为3至20片的刀片和1至2个刀柄。

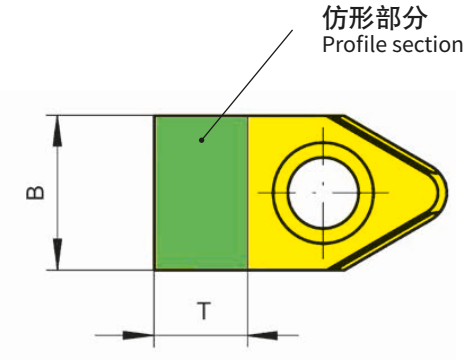
HORN提供宽度为10、12、16、20、26、32和45mm的刀具，这些刀具经过精密磨削，达到所需的特殊形状，以满足应用。最大成形深度取决于切割宽度。刀具涂层是为每种应用专门选择的，可用于材料组为P, M, K和N。方刀柄的标准尺寸从10 × 10mm到32 × 32mm。

Faster delivery times for System S117

HORN is now offering the option of delivering special designs within five working days, especially for the S117 grooving system. To this end, HORN has once again optimised its existing Greenline system, so that the user not only has the profiled insert but also the appropriate tool carrier within a short timescale. It guarantees secure support by the toolholder of even the most complex insert profiles. With the Greenline system, after the customer submits an enquiry together with the component drawing, an offer with the quotation drawing of insert and holder is received within two working days. After placing the order, within 48 hours the customer receives the drawing for approval. Following the approval, HORN will deliver the special tools within five working days. The Greenline system is available for inserts in quantities of 3 to 20 pieces and for 1 to 2 toolholders.

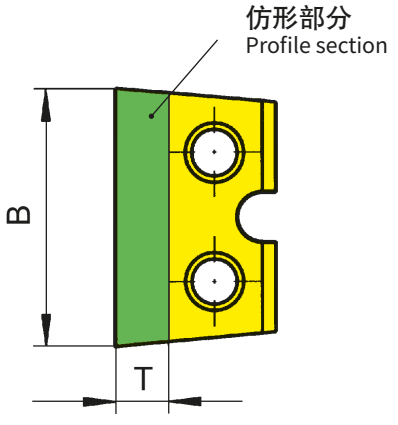
HORN offers the tools with widths of 10, 12, 16, 20, 26, 32 and 45 mm, which are precision ground to the required special shape to suit the application. The maximum form depth depends on the cutting width. The tool coating is specially selected for each application and is available for the material groups P, M, K and N. The square shank holders are available in standard sizes from 10 x 10 mm to 32 x 32 mm.

一个螺钉锁紧的刀片
Insert with one clamping screw



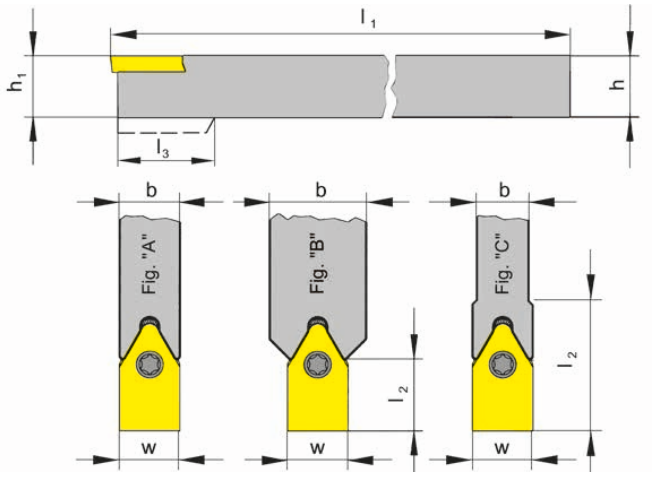
切削宽度 B Cutting width B	切削深度 T Cutting depth T	刀片形式 Type of insert
≤ 9.7	3.50	S117.0010.00
≤ 9.7	6.50	S117.0010.02.00
≤ 11.2	4.50	S117.0012.00
≤ 11.2	7.50	S117.0012.02.00
≤ 13.7	6.00	S117.0014.00
≤ 15.1	6.00	S117.0016.00
≤ 15.1	9.00	S117.0016.02.00
≤ 17.8	9.00	S117.0018.00
≤ 19.8	9.00	S117.0020.00
≤ 19.8	12.00	S117.0020.02.00
≤ 24.7	10.00	S117.0026.00
≤ 24.7	13.00	S117.0026.02.00

两个螺钉锁紧的刀片
Insert with two clamping screws



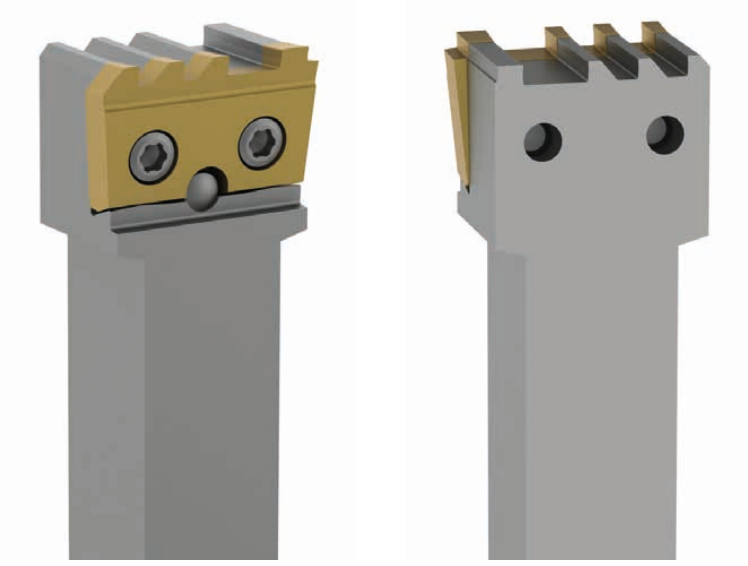
切削宽度 B Cutting width B	切削深度 T Cutting depth T	刀片形式 Type of insert
≤ 30.2	6.50	S117.0032.00
≤ 43.3	6.50	S117.0045.00

刀柄的选择
Selection of the toolholder



刀片形式 Type of insert	h	b	l_1	形式 Figur	l_2	非标刀柄类似于 Special toolholder similar to
S117.0010.00	10.00	10.00	100	A	-	H117.1010.10
	12.00	12.00	125	B	9	H117.1212.10
	16.00	16.00	125	B	9	H117.1616.10
S117.0010.02.00	10.00	10.00	100	A	-	H117.1010.02.10
	12.00	12.00	125	B	12	H117.1212.02.10
	16.00	16.00	125	B	12	H117.1616.02.10
S117.0012.00	12.00	12.00	125	A	-	H117.1212.12
	14.00	14.00	125	B	8	H117.1414.12
	16.00	12.00	125	A	-	H117.1612.12
	16.00	16.00	125	B	8	H117.1616.12
	20.00	20.00	150	B	8	H117.2020.12
S117.0012.02.00	12.00	12.00	125	A	-	H117.1212.02.12
	16.00	16.00	125	B	11	H117.1616.02.12
	20.00	20.00	150	B	11	H117.2020.02.12
S117.0014.00 **S117.0016.00**	14.00	14.00	125	C	22	H117.1414.16
	16.00	16.00	125	A / B	11	H117.1616.16
	20.00	20.00	150	B	11	H117.2020.16
	25.00	25.00	150	B	8.5	H117.2525.16
S117.0016.02.00	16.00	16.00	125	A	-	H117.1616.02.16
	20.00	20.00	150	B	14	H117.2020.02.16
S117.0018.00 **S117.0020.00**	16.00	16.00	125	C	30	H117.1616.20
	20.00	20.00	150	A / B	15	H117.2020.20
	25.00	25.00	150	B	15	H117.2525.20
S117.0020.02.00	16.00	16.00	125	C	33	H117.1616.02.20
	20.00	20.00	150	A	-	H117.2020.02.20
	25.00	25.00	150	B	19	H117.2525.02.20
S117.0026.00	20.00	20.00	150	C	30	H117.2020.26
	25.00	25.00	150	A	-	H117.2525.26
S117.0026.02.00	20.00	20.00	150	C	33	H117.2020.02.26
	25.00	25.00	150	A	-	H117.2525.02.26
S117.0032.00	20.00	20.00	150	C	25	H117.2020.32
	25.00	25.00	150	C	25	H117.2525.32
S117.0045.00	25.00	25.00	150	C	27	H117.2525.45
	32.00	32.00	170	C	27	H117.3232.45

高稳定性，刀柄优化对刀片的支撑。
High stability afford to an optimised support of the insert.



请注意:

- 最小内侧圆角: 0.05 mm
- 最小外侧圆角: 0.04 mm
- 最小轮廓角度公差: ± 10'
- 最小尺寸公差: ± 0.005 mm
- 最小轮廓精度公差: 0.01 mm

Please note:

- smallest possible inner radius: 0.05 mm
- smallest possible outer radius 0.04 mm
- smallest possible angle tolerance Form: ± 10'
- smallest possible dimensional tolerance: ± 0.005 mm
- smallest possible shape tolerance: 0.01 mm

所有刀片可选用的涂层.
All inserts are available coated.

切削材料组 Cutting main group	**P**	EG35/EG55
切削材料组 Cutting main group	**M**	EG35/EG55
切削材料组 Cutting main group	**K**	EG36/EG56
切削材料组 Cutting main group	**N**	MG12
切削材料组 Cutting main group	**S**	EG35

223

刀杆和刀片

槽宽1.1 - 3 mm

Toolholder and Inserts

Width of groove 1.1 - 3 mm

切槽和侧车削
Grooving and Side Turning

C

槽型及进给
Geometries and feed rates

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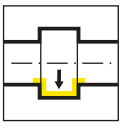
常规刀柄
Basic toolholder
B223



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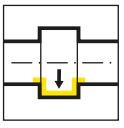
刀夹
Cassette
BK223/E223



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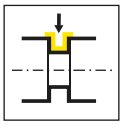

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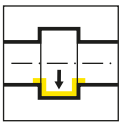
刀杆
Toolholder
B223/H223



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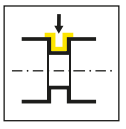

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可转位刀片
Indexable insert
S223

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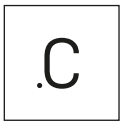

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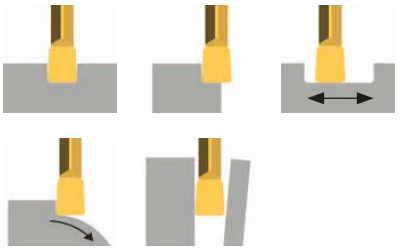
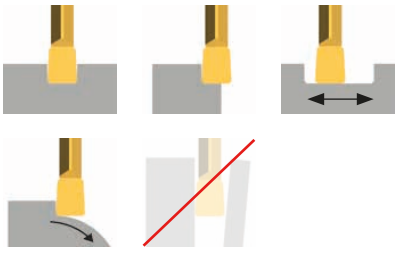
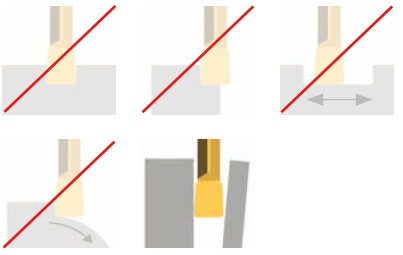
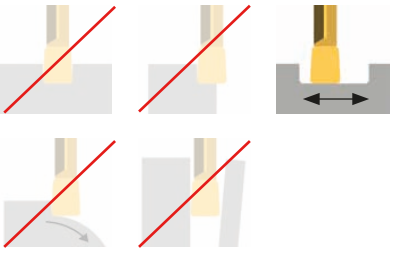
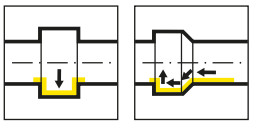
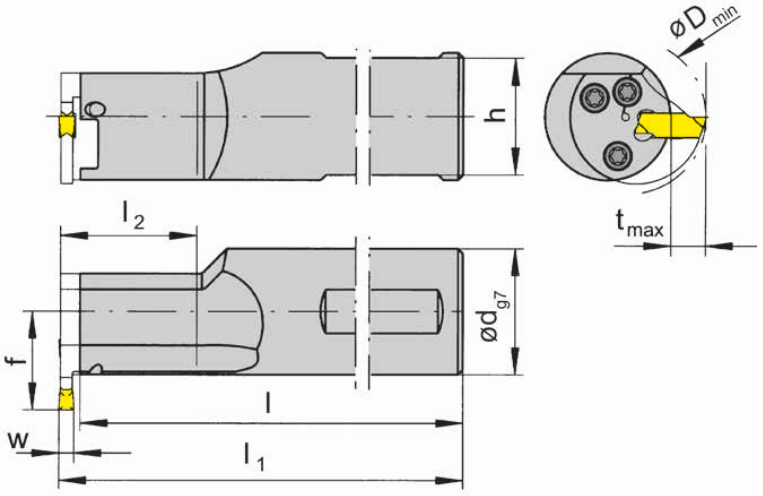
槽型及进给
Geometries and feed rates

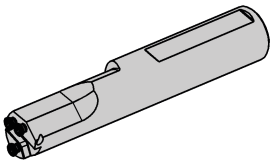
槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.3	P M K N S H	↓ 0.15-0.25 ↔ 0.15-0.40	
.5	P M K N S H	↓ 0.10-0.45 ↔ 0.15-0.60	
.C	P M K N S H	↓ 0.02-0.10	
.NC	P M K N S H	↓ 0.02-0.10 ↔ 0.02-0.15	

常规刀柄
Basic toolholder

B223







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

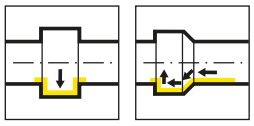
产品型号 Part number	l_1	d	l	l_2	h	f	HWS
RB223.0025.1.K2	$l+b_1+w/2$	25	116.1	30	23	19.5	BK2231
RB223.0025.2.K2	$l+b_1+w/2$	25	146.1	60	23	19.5	BK2231
RB223.0032.1.K2	$l+b_1+w/2$	32	146.1	30	30	23	BK2231
RB223.0032.2.K2	$l+b_1+w/2$	32	176.1	60	30	23	BK2231
LB223.0025.1.K2	$l+b_1+w/2$	25	116.1	30	23	19.5	BK2232
LB223.0025.2.K2	$l+b_1+w/2$	25	146.1	60	23	19.5	BK2232
LB223.0032.1.K2	$l+b_1+w/2$	32	146.1	30	30	23	BK2232
LB223.0032.2.K2	$l+b_1+w/2$	32	176.1	60	30	23	BK2232

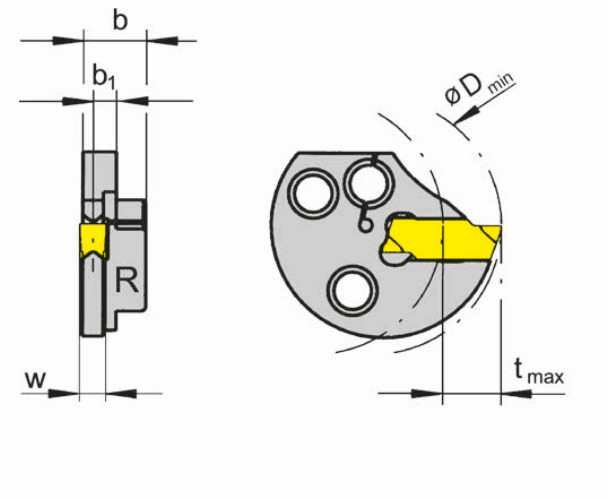
w见刀片
w see indexable inserts

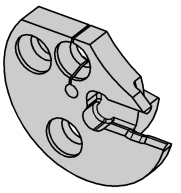
Dmin，tmax，w和 b1 尺寸，见刀夹
Dimensions for Dmin, tmax and b1 see cassettes

配件
Spare Parts

常规刀柄 Basic toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LB223...	**4.09T15P**	**T15PL**







R=右手型-如图
R = right hand version shown

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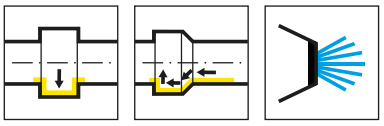
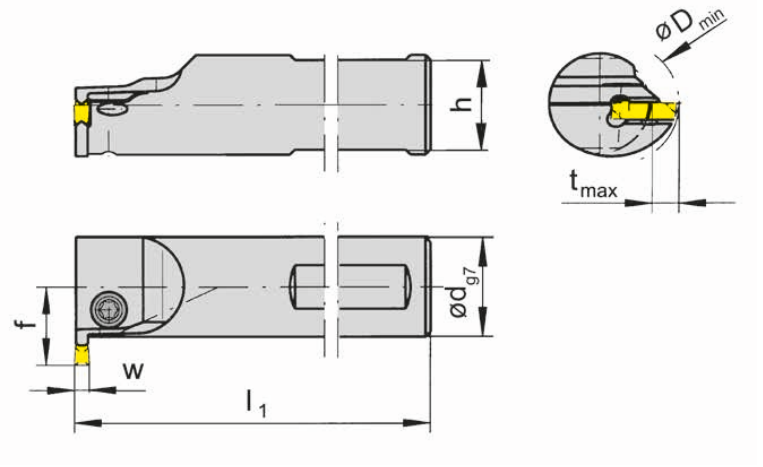
L = left hand version

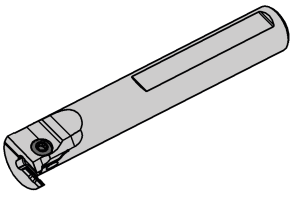
产品型号 Part number	D_{min}	t_{max}	b	b_1	夹持范围 Clamping range	HWS	HMS
RBK223.0028.01	28	6.3	7.4	3.1	2.0-2.0	22301	BK2231
RBK223.0028.02	28	6.3	7.4	2.95	2.5-2.5	22302	BK2231
RBK223.0028.03	28	6.3	7.4	2.7	3.0-3.0	22303	BK2231
LBK223.0028.01	28	6.3	7.4	3.1	2.0-2.0	22301	BK2232
LBK223.0028.02	28	6.3	7.4	2.95	2.5-2.5	22302	BK2232
LBK223.0028.03	28	6.3	7.4	2.7	3.0-3.0	22303	BK2232

w见刀片
w see indexable inserts

锁紧螺钉包含在刀杆内,不需要单独订购
The fastening screw is combined with the basic toolholder - no seperate order required.







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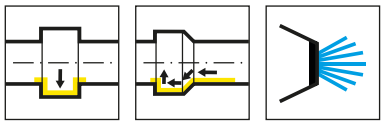
L = left hand version

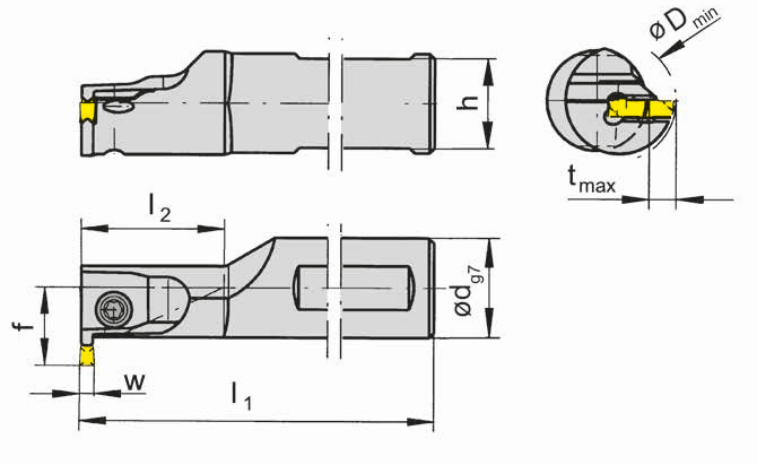
产品型号 Part number	d	l_1	h	f	t_{max}	D_{min}	HWS
RB223.0016.0.42	16	110	14	13	4.5	22	22302
RB223.0016.0.43	16	110	14	13	4.5	22	22303
RB223.0020.0.52	20	120	18	15.7	5.3	27	22302
RB223.0020.0.53	20	120	18	15.7	5.3	27	22303
RB223.0025.0.62	25	150	23	19.3	6.3	33	22302
RB223.0025.0.63	25	150	23	19.3	6.3	33	22303
LB223.0016.0.42	16	110	14	13	4.5	22	22302
LB223.0016.0.43	16	110	14	13	4.5	22	22303
LB223.0020.0.52	20	120	18	15.7	5.3	27	22302
LB223.0020.0.53	20	120	18	15.7	5.3	27	22303
LB223.0025.0.62	25	150	23	19.3	6.3	33	22302
LB223.0025.0.63	25	150	23	19.3	6.3	33	22303

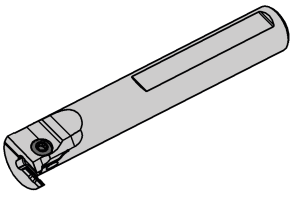
w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LB223...	**5.11T15P**	**T15PL**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

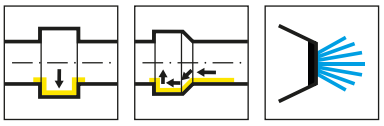
产品型号 Part number	d	l_1	l_2	h	f	t_{max}	D_{min}	HWS
RB223.0016.1.42	16	110	25	14	13	4.5	18	22302
RB223.0016.1.43	16	110	25	14	13	4.5	18	22303
RB223.0020.1.52	20	120	30	18	15.7	5.3	20	22302
RB223.0020.1.53	20	120	30	18	15.7	5.3	20	22303
RB223.0025.1.62	25	150	50	23	18.8	6.3	25	22302
RB223.0025.1.63	25	150	50	23	18.8	6.3	25	22303
LB223.0016.1.42	16	110	25	14	13	4.5	18	22302
LB223.0016.1.43	16	110	25	14	13	4.5	18	22303
LB223.0020.1.52	20	120	30	18	15.7	5.3	20	22302
LB223.0020.1.53	20	120	30	18	15.7	5.3	20	22303
LB223.0025.1.62	25	150	50	23	18.8	6.3	25	22302
LB223.0025.1.63	25	150	50	23	18.8	6.3	25	22303

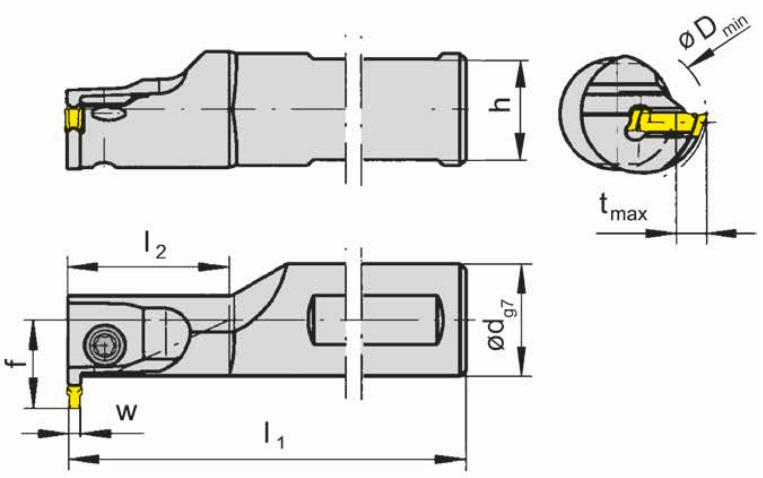
w见刀片
w see indexable inserts

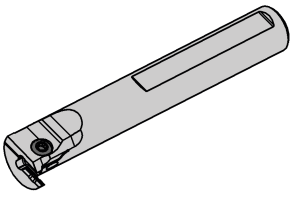
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LB223...	**5.11T15P**	**T15PL**

C







R=右手型-如图
R = right hand version shown

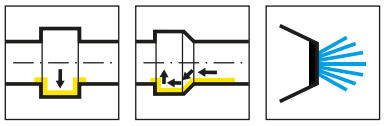
L=左手型
L = left hand version

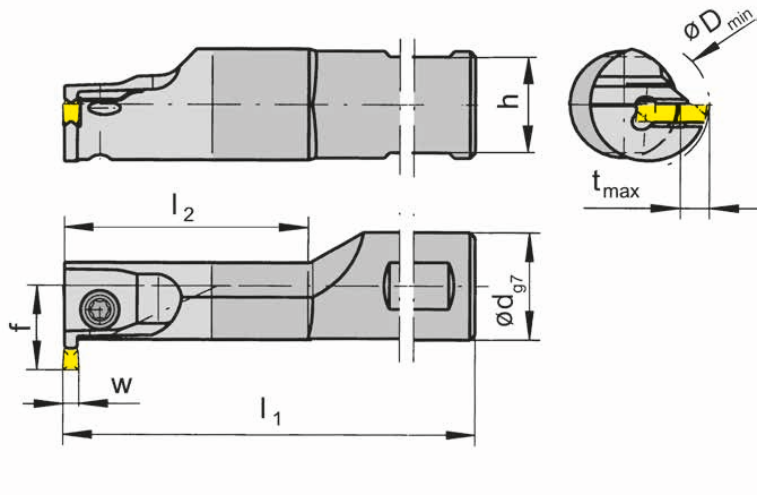
产品型号 Part number	d	l_1	l_2	h	f	t_{max}	D_{min}	HWS
RB223.0016.1.22	16	110	25	14	13	1.65	18	22302
RB223.0020.1.22	20	120	30	18	15.7	1.65	20	22302
LB223.0016.1.22	16	110	25	14	13	1.65	18	22302
LB223.0020.1.22	20	120	30	18	15.7	1.65	20	22302

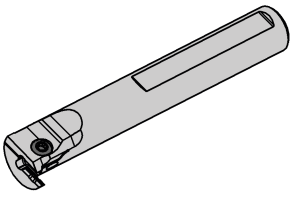
w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LB223...	**5.11T15P**	**T15PL**







R=右手型-如图
R = right hand version shown

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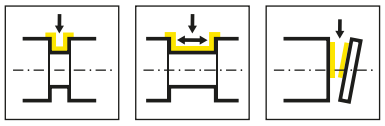
L = left hand version

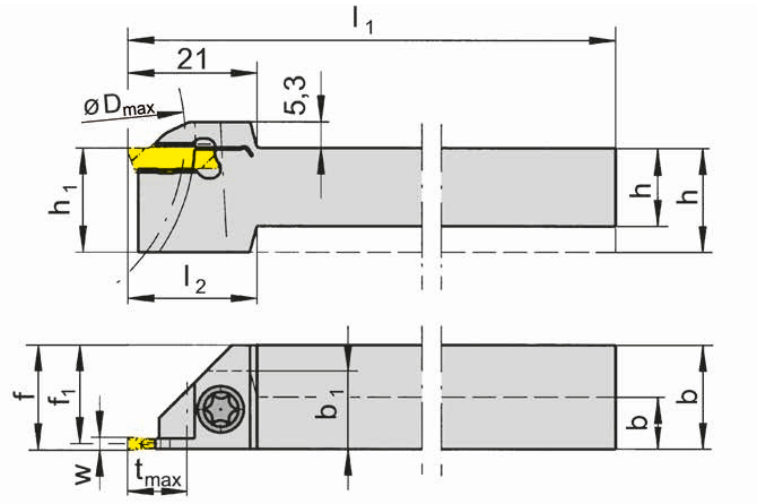
产品型号 Part number	d	l_1	l_2	h	f	t_{max}	D_{min}	HWS
RB223.HM16.2.42	16	130	50	14	13	4.5	18	22302
RB223.HM16.2.43	16	130	50	14	13	4.5	18	22303
RB223.HM20.2.52	20	150	60	18	15.7	5.3	20	22302
RB223.HM20.2.53	20	150	60	18	15.7	5.3	20	22303
RB223.HM25.2.62	25	160	70	23	18.8	6.3	25	22302
RB223.HM25.2.63	25	160	70	23	18.8	6.3	25	22303
LB223.HM16.2.42	16	130	50	14	13	4.5	18	22302
LB223.HM16.2.43	16	130	50	14	13	4.5	18	22303
LB223.HM20.2.52	20	150	60	18	15.7	5.3	20	22302
LB223.HM20.2.53	20	150	60	18	15.7	5.3	20	22303
LB223.HM25.2.62	25	160	70	23	18.8	6.3	25	22302
LB223.HM25.2.63	25	160	70	23	18.8	6.3	25	22303

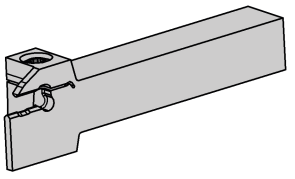
w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LB223...	**5.11T15P**	**T15PL**







R=右手型-如图
R = right hand version shown

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L = left hand version

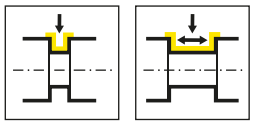
产品型号 Part number	h	b	l_1	l_2	h_1	b_1	f_1	f	t_{max}	D_{max}	夹持范围 Clamping range	HWS
RH223.1010.01	10	10	80	20	12	12	9.2	f_1+w/2	8	25	2	22301
RH223.1010.03	10	10	80	20	12	12	8.8	f_1+w/2	8	25	3	22303
RH223.1212.01	12	12	100	21	16	-	11.2	f_1+w/2	10	50	2	22301
RH223.1212.02	12	12	100	21	16	-	11.05	f_1+w/2	10	50	2.5	22302
RH223.1212.03	12	12	100	21	16	-	10.8	f_1+w/2	10	50	3	22303
RH223.1616.01	16	16	125	-	16	-	15.2	f_1+w/2	10	50	2	22301
RH223.1616.02	16	16	125	-	16	-	15.05	f_1+w/2	10	50	2.5	22302
RH223.1616.03	16	16	125	-	16	-	14.8	f_1+w/2	10	50	3	22303
RH223.2020.01	20	20	125	-	20	-	19.2	f_1+w/2	10	50	2	22301
RH223.2020.02	20	20	125	-	20	-	19.05	f_1+w/2	10	50	2.5	22302
RH223.2020.03	20	20	125	-	20	-	18.8	f_1+w/2	10	50	3	22303
RH223.2525.01	25	25	150	-	25	-	24.2	f_1+w/2	10	50	2	22301
RH223.2525.02	25	25	150	-	25	-	24.05	f_1+w/2	10	50	2.5	22302
RH223.2525.03	25	25	150	-	25	-	23.8	f_1+w/2	10	50	3	22303
LH223.1010.01	10	10	80	20	12	12	9.2	f_1+w/2	8	25	2	22301
LH223.1010.02	10	10	80	20	12	12	9.05	f_1+w/2	8	25	2.5	22302
LH223.1010.03	10	10	80	20	12	12	8.8	f_1+w/2	8	25	3	22303
LH223.1212.01	12	12	100	21	16	-	11.2	f_1+w/2	10	50	2	22301
LH223.1212.02	12	12	100	21	16	-	11.05	f_1+w/2	10	50	2.5	22302
LH223.1212.03	12	12	100	21	16	-	10.8	f_1+w/2	10	50	3	22303
LH223.1616.01	16	16	125	-	16	-	15.2	f_1+w/2	10	50	2	22301
LH223.1616.02	16	16	125	-	16	-	15.05	f_1+w/2	10	50	2.5	22302
LH223.1616.03	16	16	125	-	16	-	14.8	f_1+w/2	10	50	3	22303
LH223.2020.01	20	20	125	-	20	-	19.2	f_1+w/2	10	50	2	22301
LH223.2020.02	20	20	125	-	20	-	19.05	f_1+w/2	10	50	2.5	22302
LH223.2020.03	20	20	125	-	20	-	18.8	f_1+w/2	10	50	3	22303
LH223.2525.01	25	25	150	-	25	-	24.2	f_1+w/2	10	50	2	22301
LH223.2525.02	25	25	150	-	25	-	24.05	f_1+w/2	10	50	2.5	22302
LH223.2525.03	25	25	150	-	25	-	23.8	f_1+w/2	10	50	3	22303

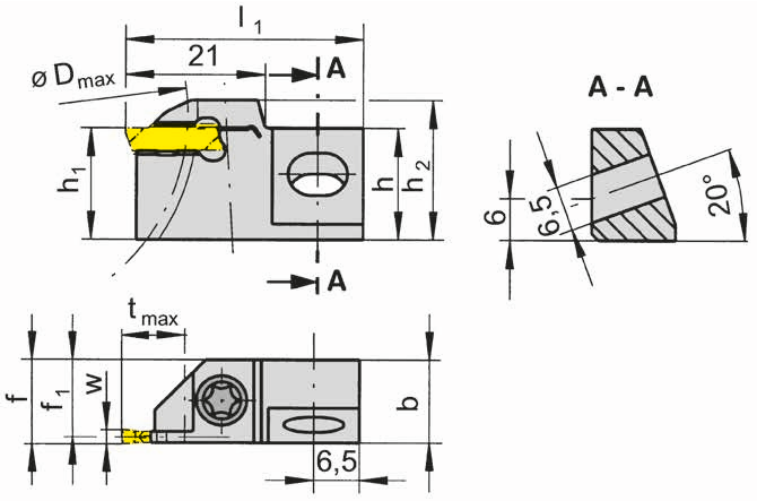
配件
Spare Parts

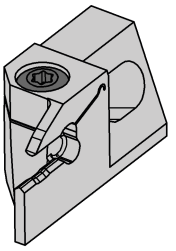
w见刀片
w see indexable inserts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH223...	**5.11T15P**	**T15PL**

E223







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

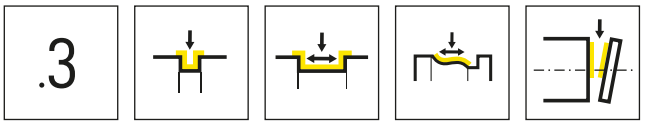
产品型号 Part number	h	b	l_1	h_1	f_1	f	t_{max}	D_{max}	h_2
RE223.1212.01	16	12	34	12	11.2	f_1+w/2	10	50	17.3
RE223.1212.02	16	12	34	12	11.05	f_1+w/2	10	50	17.3
RE223.1212.03	16	12	34	12	10.8	f_1+w/2	10	50	17.3
RE223.1616.01	16	12	34	16	11.2	f_1+w/2	10	50	21.3
RE223.1616.02	16	12	34	16	11.05	f_1+w/2	10	50	21.3
RE223.1616.03	16	12	34	16	10.8	f_1+w/2	10	50	21.3
LE223.1212.01	16	12	34	12	11.2	f_1+w/2	10	50	17.3
LE223.1212.02	16	12	34	12	11.05	f_1+w/2	10	50	17.3
LE223.1212.03	16	12	34	12	10.8	f_1+w/2	10	50	17.3
LE223.1616.01	16	12	34	16	11.2	f_1+w/2	10	50	21.3
LE223.1616.02	16	12	34	16	11.05	f_1+w/2	10	50	21.3
LE223.1616.03	16	12	34	16	10.8	f_1+w/2	10	50	21.3

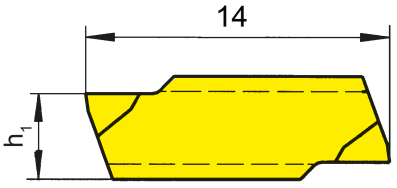
w见刀片
w see indexable inserts

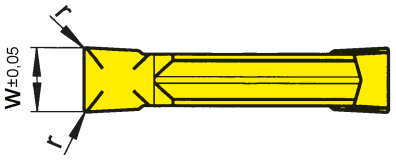
配件
Spare Parts

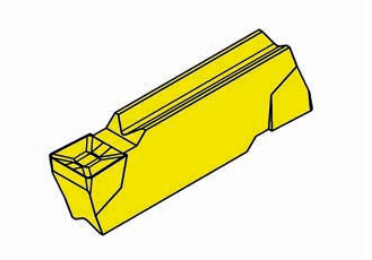
刀夹 Cartridge	锁紧螺钉 Clamping Screw	螺钉 Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LE223...	**5.11T15P**	**6.20.232**	**T15PL**

S223









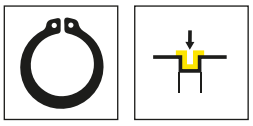
硬质合金牌号
Carbide grades

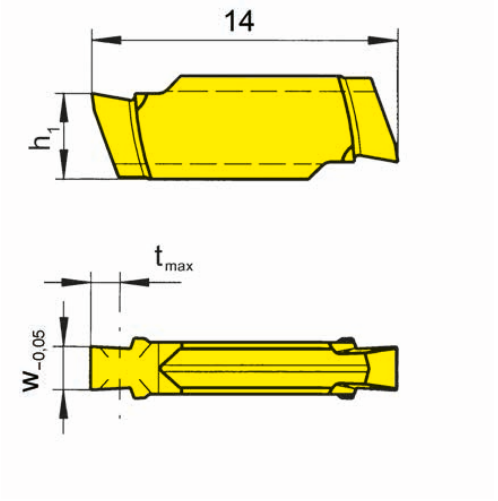
▲ 库存
on stock

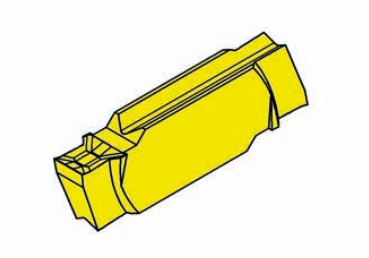
Δ 4周
4 weeks

产品型号 Part number	w	r	h_1	HIS		MG12	H54	TI25	TN35
S223.0200.32	2	0.2	3.65	22301		▲	▲	▲	▲
S223.0250.32	2.5	0.2	3.75	22302		▲	▲	▲	▲
S223.0300.32	3	0.2	3.95	22303		▲	▲	▲	▲
					P	o	●	●	●
					M	-	●	●	●
					K	-	-	●	●
					N	-	-	●	●
					S	-	-	●	●
					H	-	-	-	-

S223







硬质合金牌号
Carbide grades

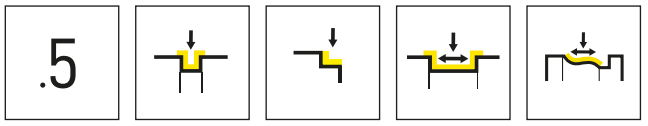
▲ 库存
on stock

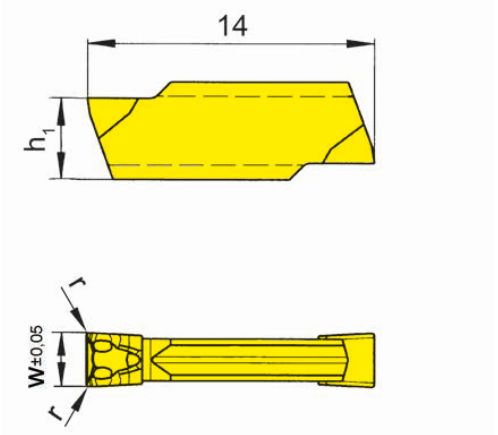
Δ 4周
4 weeks

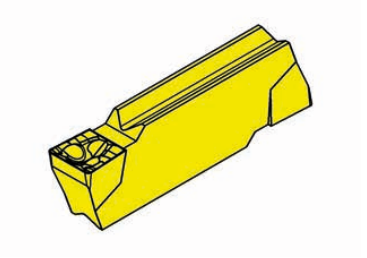
产品型号 Part number	w	Nw	t_{max}	h_1	HIS		TN35
S223.0110.32	1.24	1.1	0.6	3.75	22302		▲
S223.0130.32	1.44	1.3	1.1	3.75	22302		▲
S223.0160.32	1.74	1.6	1.15	3.75	22302		▲
S223.0215.32	2.29	2.15	1.65	3.75	22302		▲
						P	●
						M	●
						K	●
						N	●
						S	●
						H	-

S223

C





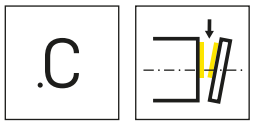


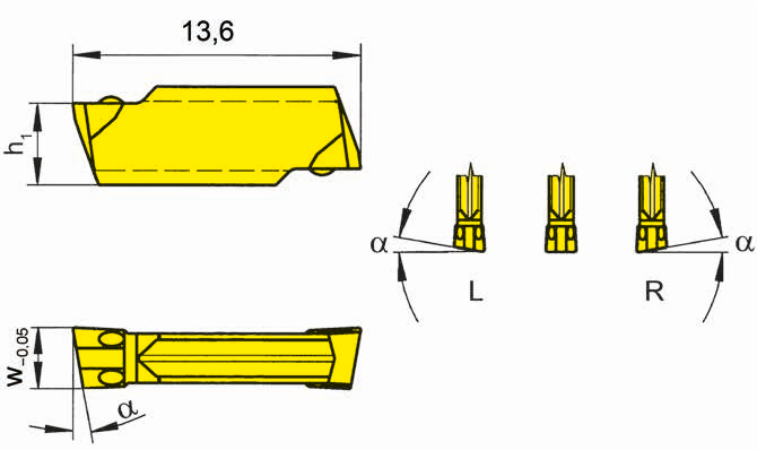
硬质合金牌号
Carbide grades

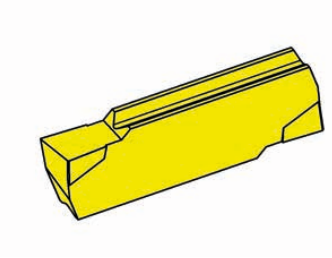
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	h_1	HIS		TH35	TI25
S223.0200.52	2	0.2	3.65	22301		▲	
S223.0250.52	2.5	0.2	3.75	22302			▲
S223.0300.52	3	0.2	3.95	22303		▲	Δ
					P	●	●
					M	●	●
					K	●	●
					N	●	●
					S	●	●
					H	-	-







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

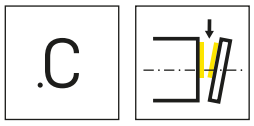
硬质合金牌号
Carbide grades

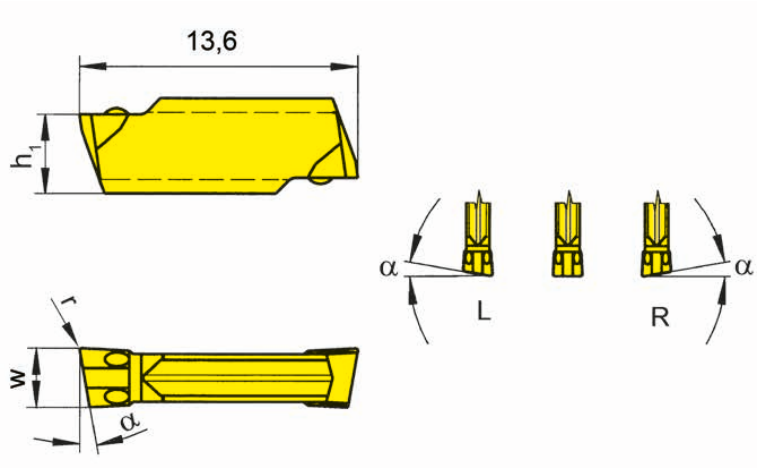
▲ 库存
on stock

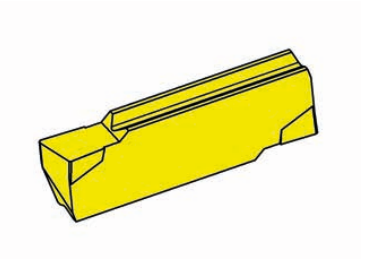
Δ 4周
4 weeks

产品型号 Part number	w	α	h_1	HIS		TF45	TI25	TN35
RS223.0420.C0	2	4°	3.65	22301		Δ	▲	▲
RS223.0425.C0	2.5	4°	3.75	22302		Δ	▲	
RS223.0430.C0	3	4°	3.95	22303		Δ	Δ	Δ
RS223.0820.C0	2	8°	3.65	22301		▲	▲	▲
RS223.0825.C0	2.5	8°	3.75	22302		▲	▲	▲
RS223.0830.C0	3	8°	3.95	22303		▲	▲	▲
RS223.1520.C0	2	15°	3.65	22301		▲	▲	▲
LS223.0420.C0	2	4°	3.65	22301		Δ		▲
LS223.0425.C0	2.5	4°	3.75	22302		Δ	Δ	Δ
LS223.0430.C0	3	4°	3.95	22303		Δ	Δ	Δ
LS223.0820.C0	2	8°	3.65	22301			▲	▲
LS223.0825.C0	2.5	8°	3.75	22302		Δ	Δ	
LS223.0830.C0	3	8°	3.95	22303		Δ	Δ	Δ
LS223.1520.C0	2	15°	3.65	22301		Δ	▲	▲
S223.0020.C0	2	0°	3.65	22301		▲	▲	▲
S223.0025.C0	2.5	0°	3.75	22302		Δ	▲	Δ
S223.0030.C0	3	0°	3.95	22303		Δ	▲	▲
					P	●	●	●
					M	●	●	●
					K	●	●	●
					N	●	●	●
					S	●	●	●
					H	-	-	-

S223







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

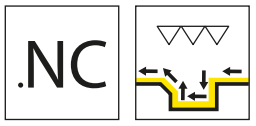
硬质合金牌号
Carbide grades

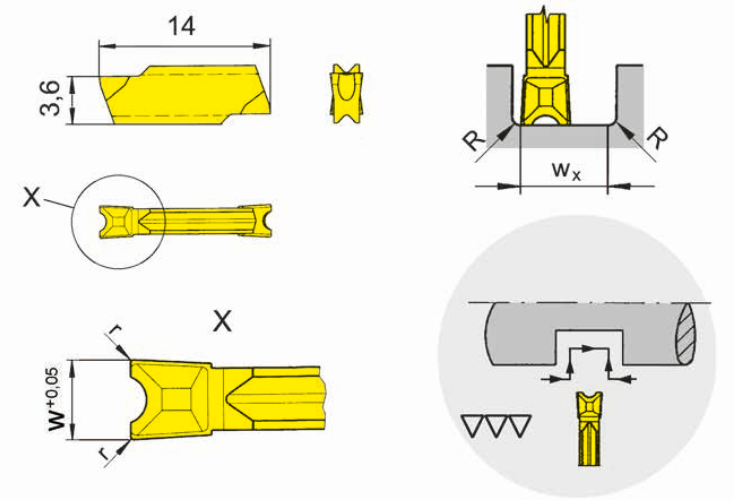
▲ 库存
on stock

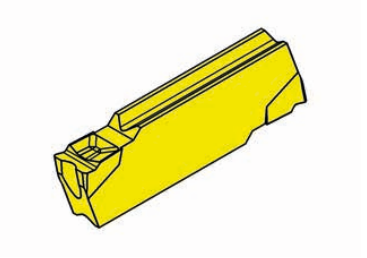
Δ 4周
4 weeks

产品型号 Part number	w	r	α	h_1	HIS	TF45	TI25	TN35
RS223.0420.C1	2	0.15	4°	3.65	22301	Δ	Δ	▲
RS223.0425.C1	2.5	0.15	4°	3.75	22302	Δ	Δ	Δ
RS223.0430.C1	3	0.15	4°	3.95	22303	Δ		Δ
RS223.0820.C1	2	0.15	8°	3.65	22301	▲	▲	▲
RS223.0825.C1	2.5	0.15	8°	3.75	22302	Δ	▲	Δ
RS223.0830.C1	3	0.15	8°	3.95	22303	▲	Δ	
RS223.1520.C1	2	0.15	15°	3.65	22301	▲	Δ	▲
LS223.0420.C1	2	0.15	4°	3.65	22301	Δ	Δ	▲
LS223.0425.C1	2.5	0.15	4°	3.75	22302	Δ	Δ	Δ
LS223.0430.C1	3	0.15	4°	3.95	22303	Δ	Δ	Δ
LS223.0820.C1	2	0.15	8°	3.65	22301		Δ	Δ
LS223.0825.C1	2.5	0.15	8°	3.75	22302		Δ	Δ
LS223.0830.C1	3	0.15	8°	3.95	22303	Δ	Δ	Δ
LS223.1520.C1	2	0.15	15°	3.65	22301		Δ	Δ
S223.0020.C1	2	0.15	0°	3.65	22301	▲	▲	▲
S223.0025.C1	2.5	0.15	0°	3.75	22302	Δ	▲	Δ
S223.0030.C1	3	0.15	0°	3.95	22303	▲	▲	▲
P						●	●	●
M						●	●	●
K						●	●	●
N						●	●	●
S						●	●	●
H						-	-	-

S223







硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	t_{max}	w_x	HIS		TI25
S223.NC20.D2	2	0.2	10	2.7	22301		▲
						P	●
						M	●
						K	●
						N	●
						S	●
						H	-

wx = 槽宽 - R(右) - R(左)
wx = width of groove - R(right) - R(left)

209

刀杆和刀片

槽宽 2 - 3 mm

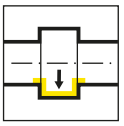
Toolholder and Inserts

Width of groove 2 - 3 mm

切槽和侧车削
Grooving and Side Turning

槽型及进给
Geometries and feed rates
页/Page 113

刀杆
Toolholder
B209



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可转位刀片
Indexable insert
S209

.5
页/Page 115

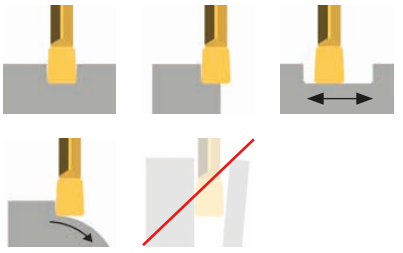
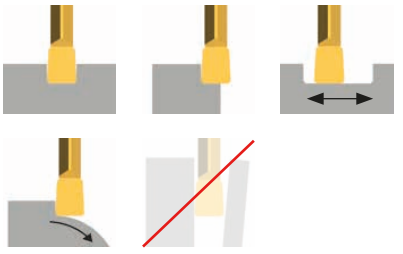
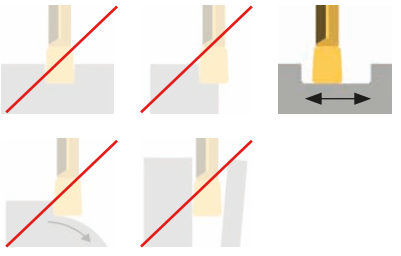
.1A
页/Page 116

.FB
页/Page 117

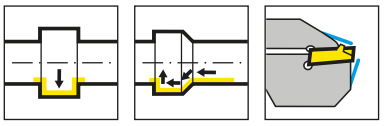
.KF
页/Page 118

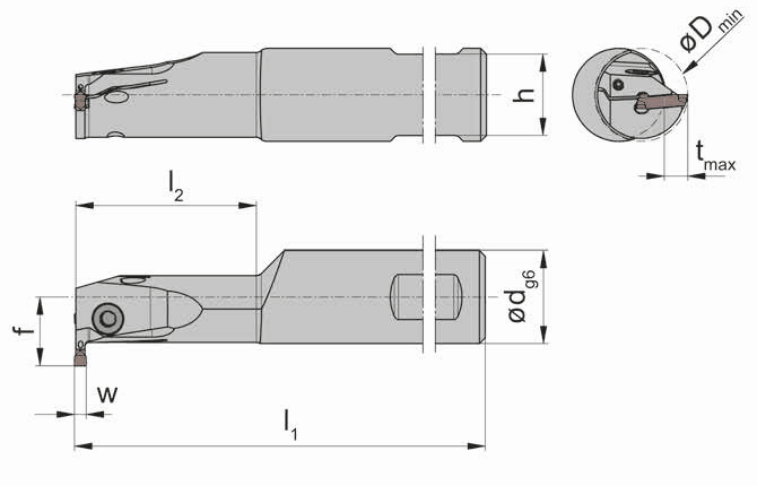
D

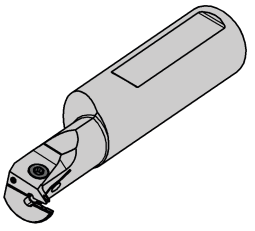
槽型及进给
Geometries and feed rates

槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.5	P M K N S H	↓ 0.10-0.45 ↔ 0.15-0.60	
.1A	P M K N S H	↓ 0.03-0.12	
.KF	P M K N S H	↓ 0.10-0.45 ↔ 0.05-0.25	
.FB	P M K N S H	↓ 0.02-0.10 ↔ 0.0015-0.07	

D







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

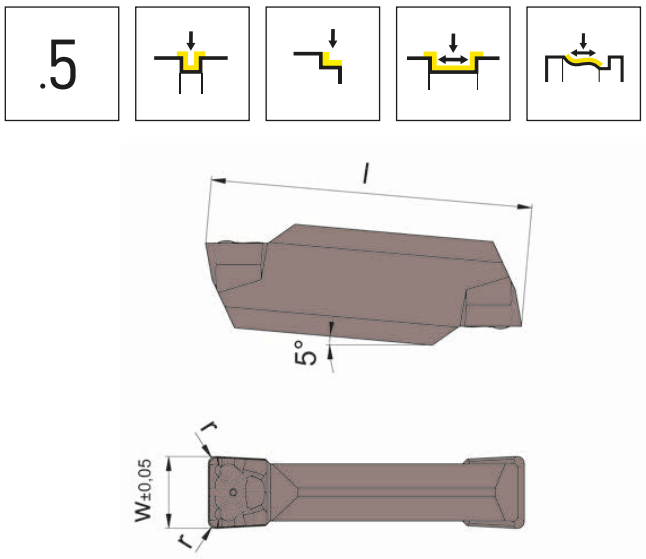
产品型号 Part number	d	l_1	l_2	h	f	t_{max}	D_{min}	HWS
RB209.0016.1.02.IK	16	110	30	14	11.8	3.5	16	20920
RB209.0020.1.12.IK	20	110	30	18	15.3	5	18	20920
RB209.0016.1.025.IK	16	110	30	14	11.8	3.5	16	20925
RB209.0020.1.125.IK	20	110	30	18	15.3	5	18	20925
RB209.0016.1.03.IK	16	110	30	14	11.8	3.5	16	20930
RB209.0020.1.13.IK	20	110	30	18	15.3	5	18	20930
LB209.0016.1.02.IK	16	110	30	14	11.8	3.5	16	20920
LB209.0020.1.12.IK	20	110	30	18	15.3	5	18	20920
LB209.0016.1.025.IK	16	110	30	14	11.8	3.5	16	20925
LB209.0020.1.125.IK	20	110	30	18	15.3	5	18	20925
LB209.0016.1.03.IK	16	110	30	14	11.8	3.5	16	20930
LB209.0020.1.13.IK	20	110	30	18	15.3	5	18	20930

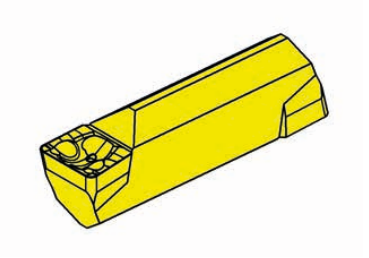
w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LB209...	**3.5.12T10EP**	**T10PL**

S209





硬质合金牌号
Carbide grades

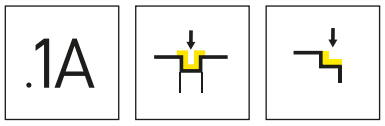
▲ 库存
on stock

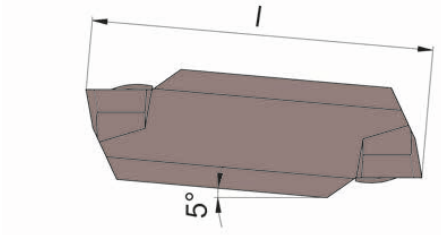
Δ 4周
4 weeks

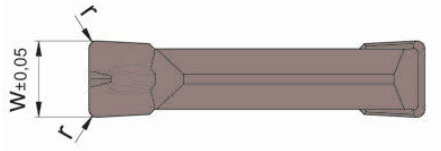
产品型号 Part number	w	r	l	HIS	AS45
S209.0200.52	2	0.2	9	20920	▲
S209.0250.52	2.5	0.2	10	20925	▲
S209.0300.52	3	0.2	10	20930	▲

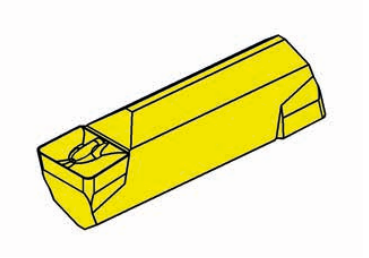
P	●
M	●
K	●
N	o
S	●
H	-

S209









硬质合金牌号
Carbide grades

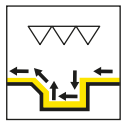
▲ 库存
on stock

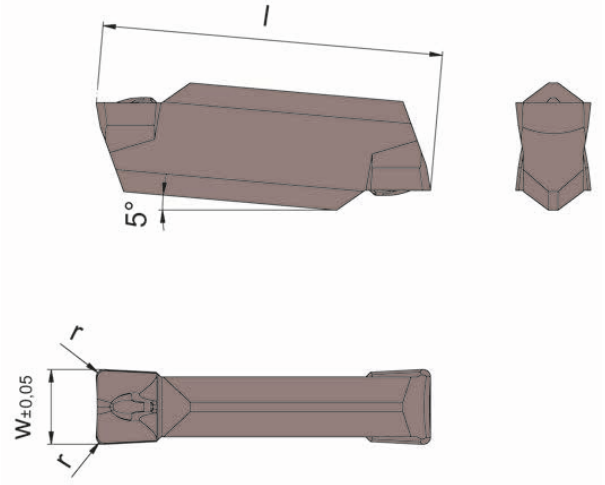
Δ 4周
4 weeks

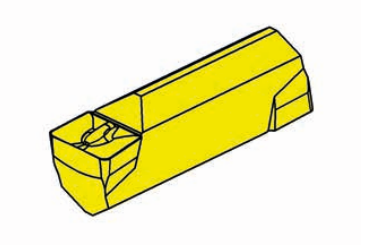
产品型号 Part number	w	r	l	HIS	AS45
S209.0200.1A2	2	0.2	9	20920	▲
S209.0250.1A2	2.5	0.2	10	20925	Δ
S209.0300.1A2	3	0.2	10	20930	▲

P	●
M	●
K	●
N	o
S	●
H	-

.FB







D

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	l	HIS	EG35
S209.FB20.02	2	0.2	9	20920	▲
					P ●
					M ●
					K o
					N -
					S -
					H -

计算槽的最小可加工宽度 w_x
Calculation of the smallest possible width of groove w_x

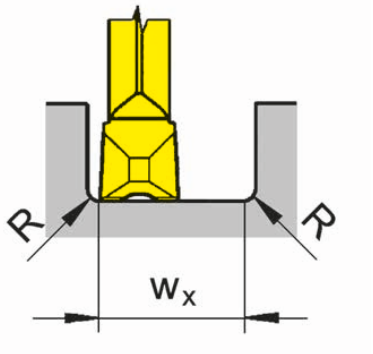
例如 S209.FB20.02
Example

w_x = 2 x 槽宽 w - 2 x 刀尖圆角 R

w_x = 2 x Width of insert w - 2 x Corner radius insert R

w_x = 2 x 2 mm - 2 x 0.2 mm

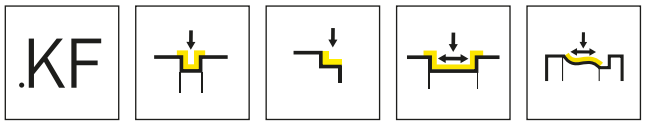
w_x = 3.6 mm

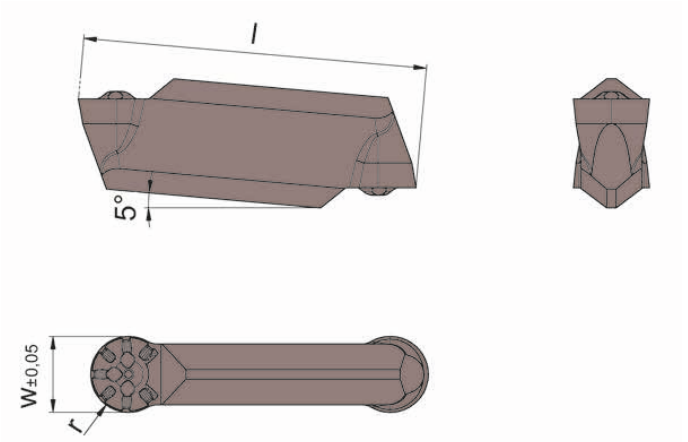


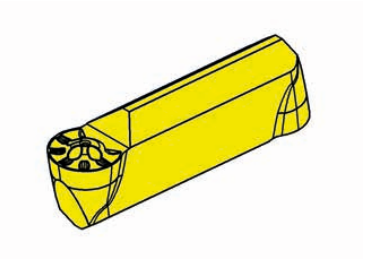
加工路径
Processing flow

S209

D







硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	l	r	HIS	AS45
S209.0010.KF2	2	9	1	20920	▲
S209.0015.KF3	3	10	1.5	20930	▲
					P ●
					M ●
					K ●
					N o
					S ●
					H -

216

E

刀杆和刀片

槽宽2 - 6 mm

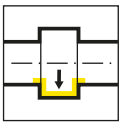
Toolholder and Inserts

Width of groove 2 - 6 mm

切槽和侧车削
Grooving and Side Turning

槽型及进给
Geometries and feed rates
页/Page 121

刀杆
Toolholder
B216



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可转位刀片
Indexable insert
S216

.5

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.1A

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.KF

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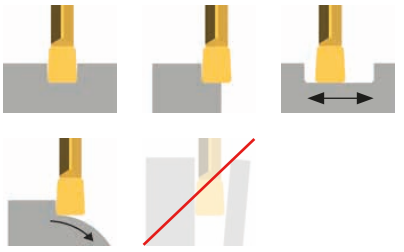
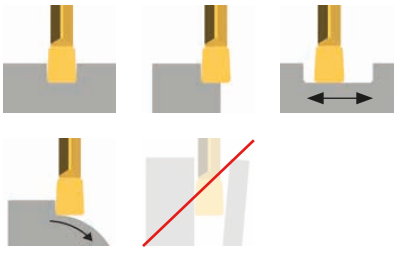
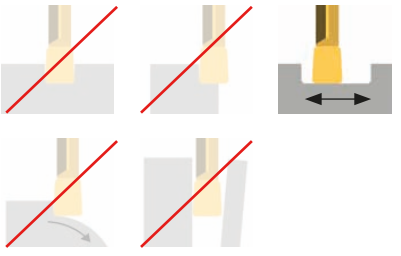
刀片
Insert
S216

.FB

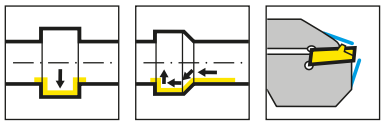
页/Page 125

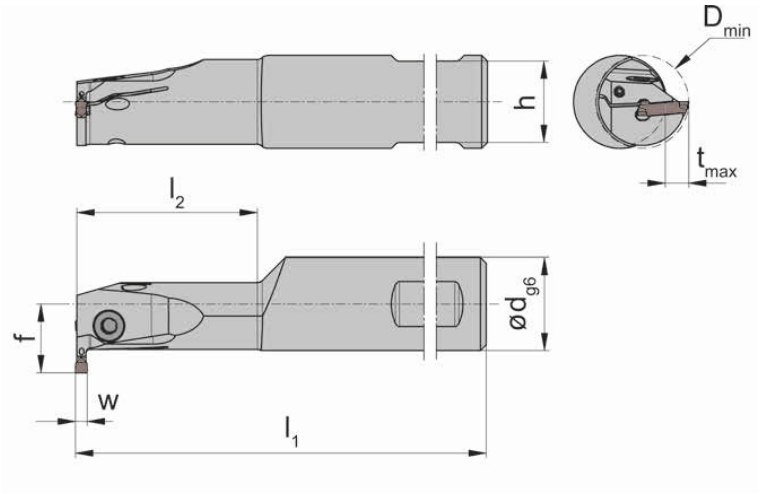
E

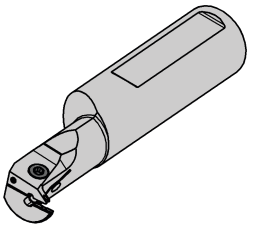
槽型及进给
Geometries and feed rates

槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.5	P M K N S H	↓ 0.10-0.45 ↔ 0.15-0.60	
.1A	P M K N S H	↓ 0.03-0.12	
.KF	P M K N S H	↓ 0.10-0.45 ↔ 0.05-0.25	
.FB	P M K N S H	↓ 0.02-0.10 ↔ 0.0015-0.07	

E







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	d	l_1	l_2	h	f	t_{max}	D_{min}	HWS
RB216.0020.1.22.IK	20	110	30	18	16.3	6	20	21620
RB216.0020.1.225.IK	20	110	30	18	16.3	6	20	21625
RB216.0020.1.23.IK	20	110	30	18	16.3	6	20	21630
RB216.0020.1.24.IK	20	110	30	18	16.3	6	20	21640
RB216.0025.2.22.IK	25	150	50	23	20.3	7.5	25	21620
RB216.0025.2.225.IK	25	150	50	23	20.3	7.5	25	21625
RB216.0025.2.23.IK	25	150	50	23	20.3	7.5	25	21630
RB216.0025.2.24.IK	25	150	50	23	20.3	7.5	25	21640
RB216.0025.23.1.22.IK	25	150	30	23	19.8	7	23	21620
RB216.0025.23.1.23.IK	25	150	30	23	19.8	7	23	21630
RB216.0025.23.1.24.IK	25	150	30	23	19.8	7	23	21640
RB216.0025.23.1.25.IK	25	150	30	23	19.8	7	23	21650
LB216.0020.1.22.IK	20	110	30	18	16.3	6	20	21620
LB216.0020.1.225.IK	20	110	30	18	16.3	6	20	21625
LB216.0020.1.23.IK	20	110	30	18	16.3	6	20	21630
LB216.0020.1.24.IK	20	110	30	18	16.3	6	20	21640
LB216.0025.2.22.IK	25	150	50	23	20.3	7.5	25	21620
LB216.0025.2.225.IK	25	150	50	23	20.3	7.5	25	21625
LB216.0025.2.23.IK	25	150	50	23	20.3	7.5	25	21630
LB216.0025.2.24.IK	25	150	50	23	20.3	7.5	25	21640
LB216.0025.23.1.22.IK	25	150	30	23	19.8	7	23	21620
LB216.0025.23.1.23.IK	25	150	30	23	19.8	7	23	21630
LB216.0025.23.1.24.IK	25	150	30	23	19.8	7	23	21640
LB216.0025.23.1.25.IK	25	150	30	23	19.8	7	23	21650
LB216.0025.23.1.26.IK	25	150	30	23	19.8	7	23	21660

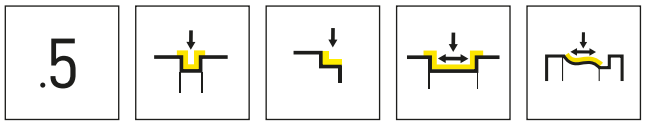
w见刀片
w see indexable inserts

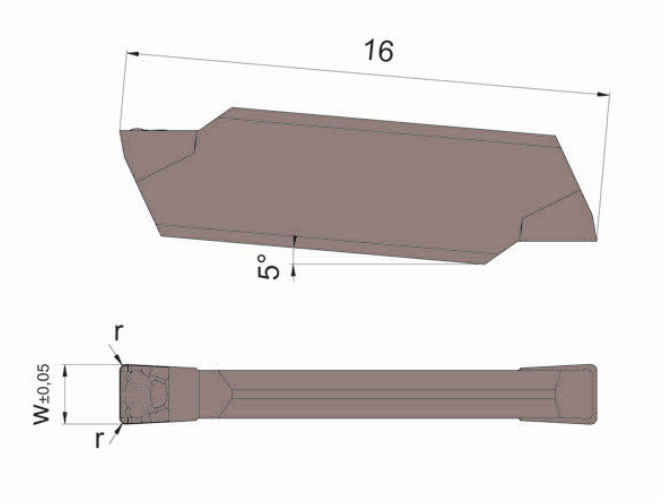
配件
Spare Parts

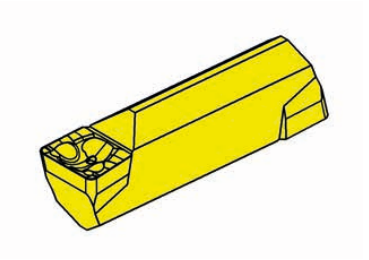
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LB216.0020...	**3.5.12T10EP**	**T10PL**
R/LB216.0025...	**5.13T20EP**	**T20PQ**

可转位刀片
Indexable insert

S216







E

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

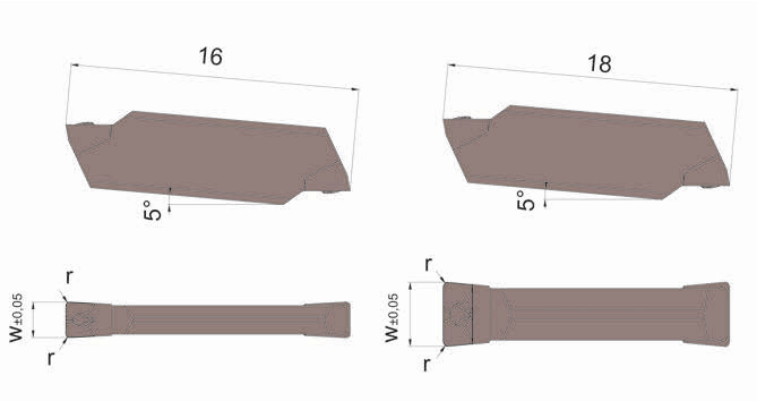
产品型号 Part number	w	r	HIS	AS45
S216.0200.52	2	0.2	21620	▲
S216.0250.52	2.5	0.2	21625	▲
S216.0300.52	3	0.2	21630	▲
S216.0400.52	4	0.2	21640	▲
S216.0500.54	5	0.4	21650	Δ
S216.0600.54	6	0.4	21660	Δ

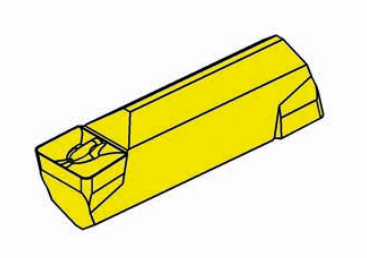
P	●
M	●
K	●
N	o
S	●
H	-

可转位刀片
Indexable insert

S216

.1A





E

槽宽 2 - 4 mm
Width of groove 2 - 4 mm

宽度 5 - 6 mm
Width 5 - 6 mm

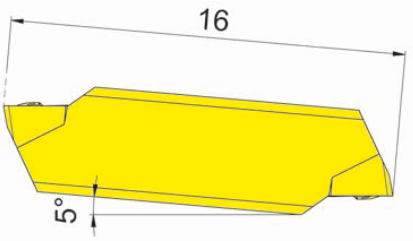
▲ 库存
on stock

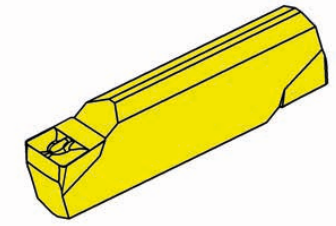
Δ 4周
4 weeks

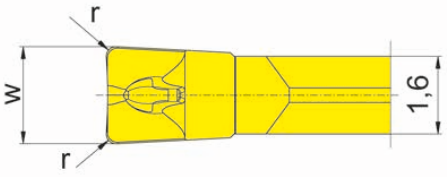
产品型号 Part number	w	r	HIS	硬质合金牌号 Carbide grades AS45
S216.0200.1A2	2	0.2	21620	▲
S216.0250.1A2	2.5	0.2	21625	Δ
S216.0300.1A2	3	0.2	21630	▲
S216.0400.1A2	4	0.2	21640	▲
S216.0500.1A4	5	0.4	21650	Δ
				P ●
				M ●
				K ●
				N o
				S ●
				H -

S216

.FB







E

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	HIS		EG35
S216.FB20.02	2	0.2	21620		▲
				P	●
				M	●
				K	o
				N	-
				S	-
				H	-

计算槽的最小可加工宽度 w_x
Calculation of the smallest possible width of groove w_x

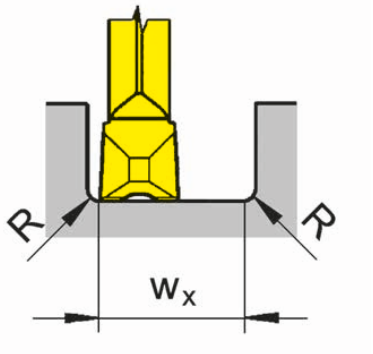
例如 S216.FB20.02
Example

w_x = 2 x 槽宽 w - 2 x 刀尖圆角 R

w_x = 2 x Width of insert w - 2 x Corner radius insert R

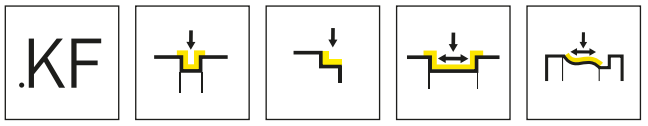
w_x = 2 x 2 mm - 2 x 0.2 mm

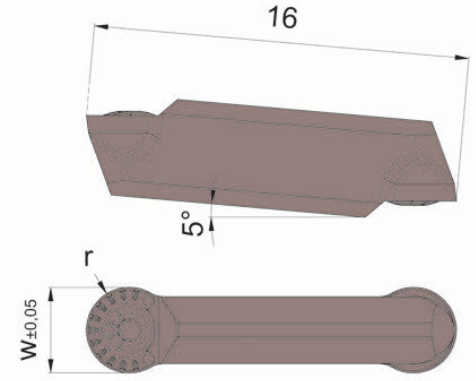
w_x = 3.6 mm

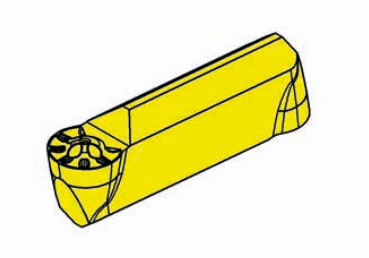


加工路径
Processing flow

S216







E

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	HIS	AS45
S216.0010.KF2	2	1	21620	▲
S216.0015.KF3	3	1.5	21630	▲
S216.0020.KF4	4	2	21640	▲
				P ●
				M ●
				K ●
				N o
				S ●
				H -

217

F

刀杆和刀片

槽宽0.5 - 5.3 mm

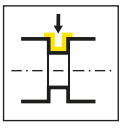
Toolholder and Inserts

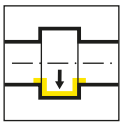
Width of groove 0.5 - 5.3 mm

切槽
Grooving

槽型及进给
Geometries and feed rates
页/Page 129

刀杆
Toolholder
240/248/230/250
233/253/234/254/235
255/245


页/Page 130-132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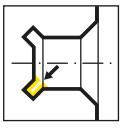
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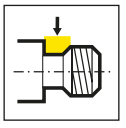
可转位刀片
Indexable insert
217

页/Page 138-139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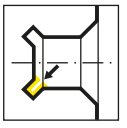
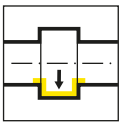

页/Page 141-142

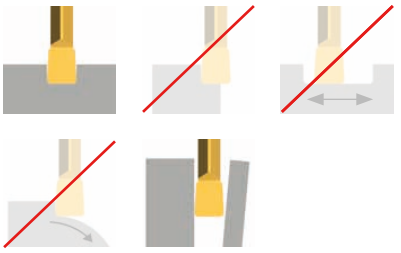
刀夹
Cartridge
232


页/Page 143

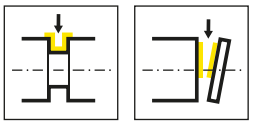
安装尺寸
Seating Dimensions
页/Page 144

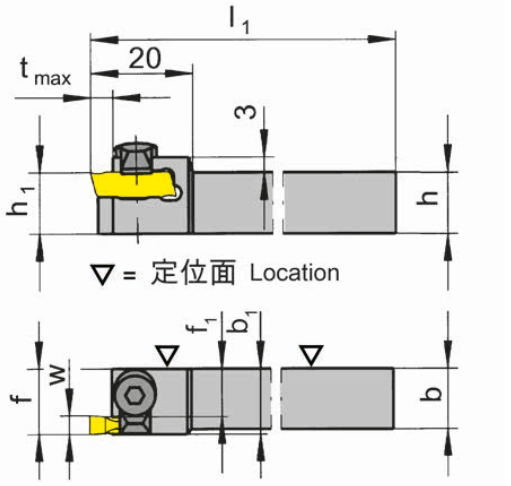
F

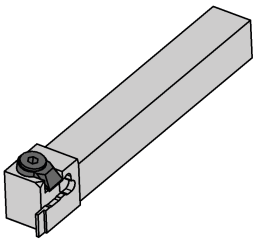
槽型及进给
Geometries and feed rates

槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.00	P M K N S H	0.02-0.12	

F







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

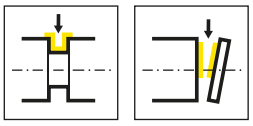
F

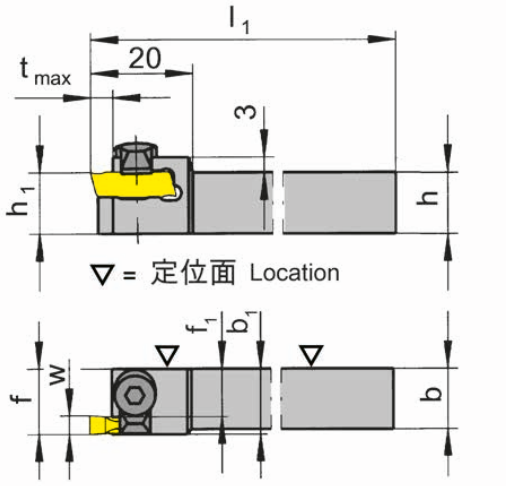
产品型号 Part number	h	b	l_1	h_1	b_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R240.1010.01	10	10	80	10	13	11.5	f_1+w-a_1	4	0.5-1.7	21701
R240.1212.01	12	12	100	12	13	11.5	f_1+w-a_1	4	0.5-1.7	21701
R240.1414.01	14	14	100	14	14	12.5	f_1+w-a_1	4	0.5-1.7	21701
R240.1616.01	16	16	125	16	16	14.5	f_1+w-a_1	4	0.5-1.7	21701
R240.2020.01	20	20	125	20	20	18.5	f_1+w-a_1	4	0.5-1.7	21701
R240.1010.02	10	10	80	10	13	10.5	f_1+w-a_1	4	1.7-2.7	21702
R240.1212.02	12	12	100	12	13	10.5	f_1+w-a_1	4	1.7-2.7	21702
R240.1414.02	14	14	100	14	14	11.5	f_1+w-a_1	4	1.7-2.7	21702
R240.1616.02	16	16	125	16	16	13.5	f_1+w-a_1	4	1.7-2.7	21702
R240.2020.02	20	20	125	20	20	17.5	f_1+w-a_1	4	1.7-2.7	21702
L240.1010.01	10	10	80	10	13	11.5	f_1+w-a_1	4	0.5-1.7	21701
L240.1212.01	12	12	100	12	13	11.5	f_1+w-a_1	4	0.5-1.7	21701
L240.1414.01	14	14	100	14	14	12.5	f_1+w-a_1	4	0.5-1.7	21701
L240.1616.01	16	16	125	16	16	14.5	f_1+w-a_1	4	0.5-1.7	21701
L240.2020.01	20	20	125	20	20	18.5	f_1+w-a_1	4	0.5-1.7	21701
L240.1010.02	10	10	80	10	13	10.5	f_1+w-a_1	4	1.7-2.7	21702
L240.1212.02	12	12	100	12	13	10.5	f_1+w-a_1	4	1.7-2.7	21702
L240.1414.02	14	14	100	14	14	11.5	f_1+w-a_1	4	1.7-2.7	21702
L240.1616.02	16	16	125	16	16	13.5	f_1+w-a_1	4	1.7-2.7	21702
L240.2020.02	20	20	125	20	20	17.5	f_1+w-a_1	4	1.7-2.7	21702

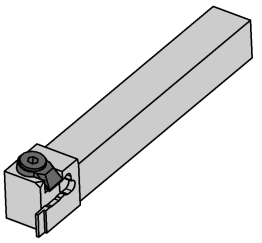
w,a1见刀片
w, a1 see indexable inserts

配件
Spare Parts

刀杆 Toolholder	压板 Clamping element
R/L240...	**8.3**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

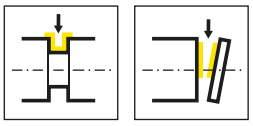
F

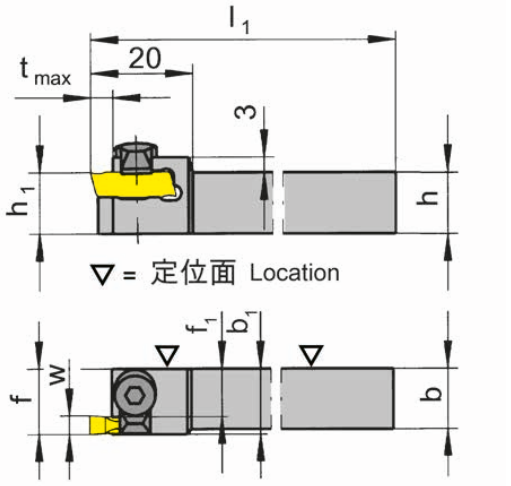
产品型号 Part number	h	b	l_1	h_1	b_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R240.1010.03	10	10	80	10	13	9.5	f_1+w-a_1	4	2.7-3.7	21703
R240.1212.03	12	12	100	12	13	9.5	f_1+w-a_1	4	2.7-3.7	21703
R240.1414.03	14	14	100	14	14	10.5	f_1+w-a_1	4	2.7-3.7	21703
R240.1616.03	16	16	125	16	16	12.5	f_1+w-a_1	4	2.7-3.7	21703
R240.2020.03	20	20	125	20	20	16.5	f_1+w-a_1	4	2.7-3.7	21703
R240.1010.04	10	10	80	10	15	9.8	f_1+w-a_1	4	3.7-5.3	21704
R240.1212.04	12	12	100	12	15	9.8	f_1+w-a_1	4	3.7-5.3	21704
R240.1414.04	14	14	100	14	15	9.8	f_1+w-a_1	4	3.7-5.3	21704
R240.1616.04	16	16	125	16	16	10.8	f_1+w-a_1	4	3.7-5.3	21704
R240.2020.04	20	20	125	20	20	14.8	f_1+w-a_1	4	3.7-5.3	21704
L240.1010.03	10	10	80	10	13	9.5	f_1+w-a_1	4	2.7-3.7	21703
L240.1212.03	12	12	100	12	13	9.5	f_1+w-a_1	4	2.7-3.7	21703
L240.1414.03	14	14	100	14	14	10.5	f_1+w-a_1	4	2.7-3.7	21703
L240.1616.03	16	16	125	16	16	12.5	f_1+w-a_1	4	2.7-3.7	21703
L240.2020.03	20	20	125	20	20	16.5	f_1+w-a_1	4	2.7-3.7	21703
L240.1010.04	10	10	80	10	15	9.8	f_1+w-a_1	4	3.7-5.3	21704
L240.1212.04	12	12	100	12	15	9.8	f_1+w-a_1	4	3.7-5.3	21704
L240.1414.04	14	14	100	14	15	9.8	f_1+w-a_1	4	3.7-5.3	21704
L240.2020.04	20	20	125	20	20	14.8	f_1+w-a_1	4	3.7-5.3	21704

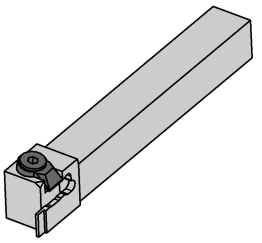
w,a1见刀片
w, a1 see indexable inserts

配件
Spare Parts

刀杆 Toolholder	压板 Clamping element
R/L240...03	**8.3**
R/L240...04	**8.4**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

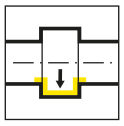
F

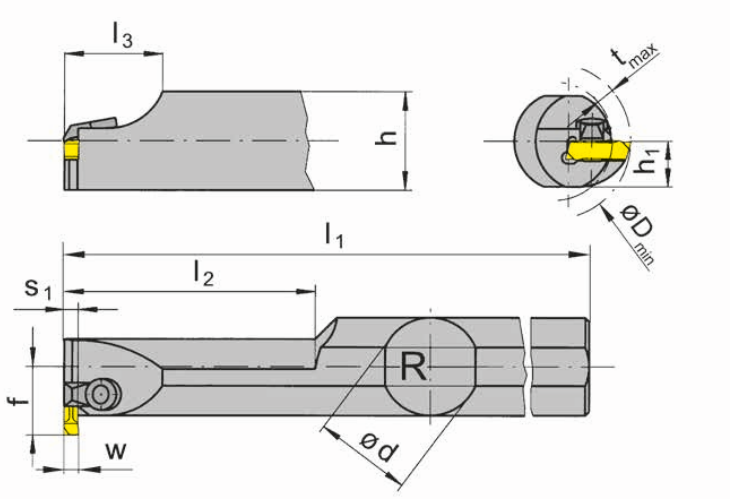
产品型号 Part number	h	b	l_1	h_1	b_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R248.1212.01	12	12	95	12	13	1.5	f_1+a_1	4	0.5-1.7	21701
R248.1212.02	12	12	95	12	13	2.5	-	4	1.7-2.7	21702
L248.1212.01	12	12	95	12	13	1.5	f_1+a_1	4	0.5-1.7	21701
L248.1212.02	12	12	95	12	13	2.5	f_1+a_1	4	1.7-2.7	21702

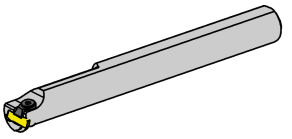
w,a1见刀片
w, a1 see indexable inserts

配件
Spare Parts

刀杆 Toolholder	压板 Clamping element
R/L248...	**8.3**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

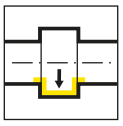
F

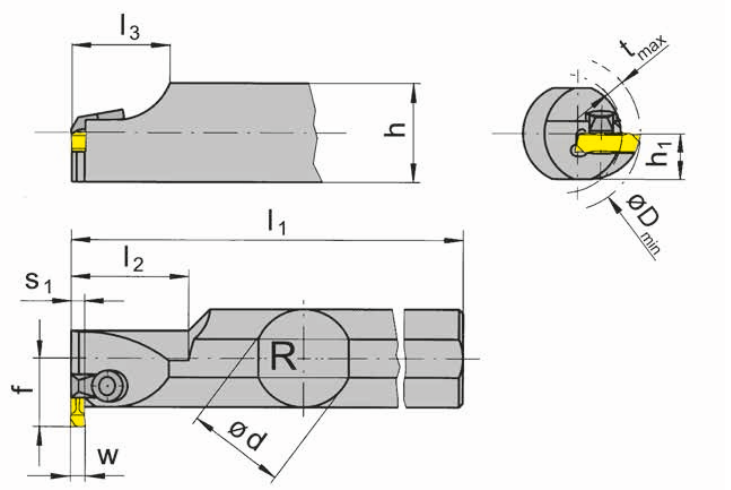
产品型号 Part number	d	l_1	l_2	l_3	h	s_1	h_1	f	t_{max}	D_{min}	HWS
R230.0020.01	20	180	60	18	18	1.5	9	13.3	2	20	21701
R250.0025.01	25	250	80	25	23	1.5	11.5	17.5	4.7	25	21701
R250.0032.01	32	250	80	25	30	1.5	15	21	4.7	32	21701
R230.0020.02	20	180	60	18	18	2.5	9	13.3	2	20	21702
R250.0025.02	25	250	80	25	23	2.5	11.5	17.5	4.7	25	21702
R250.0032.02	32	250	80	25	30	2.5	15	21	4.7	32	21702
R230.0020.03	20	180	60	18	18	3.5	9	13.3	2	20	21703
R250.0025.03	25	250	80	25	23	3.5	11.5	17.5	4.7	25	21703
R250.0032.03	32	250	80	25	30	3.5	15	21	4.7	32	21703
R230.0020.04	20	180	60	18	18	5.2	9	13.3	3	20	21704
R250.0025.04	25	250	80	25	23	5.2	11.5	17.5	4.7	25	21704
L230.0020.01	20	180	60	18	18	1.5	9	13.3	2	20	21701
L250.0025.01	25	250	80	25	23	1.5	11.5	17.5	4.7	25	21701
L250.0032.01	32	250	80	25	30	1.5	15	21	4.7	32	21701
L230.0020.02	20	180	60	18	18	2.5	9	13.3	2	20	21702
L250.0025.02	25	250	80	25	23	2.5	11.5	17.5	4.7	25	21702
L250.0032.02	32	250	80	25	30	2.5	15	21	4.7	32	21702
L230.0020.03	20	180	60	18	18	3.5	9	13.3	2	20	21703
L250.0025.03	25	250	80	25	23	3.5	11.5	17.5	4.7	25	21703
L250.0032.03	32	250	80	25	30	3.5	15	21	4.7	32	21703
L230.0020.04	20	180	60	18	18	5.2	9	13.3	3	20	21704
L250.0025.04	25	250	80	25	23	5.2	11.5	17.5	4.7	25	21704
L250.0032.04	32	250	80	25	30	5.2	15	21	4.7	32	21704

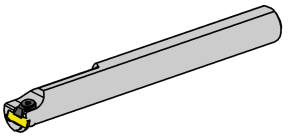
w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	压板 Clamping element
R/L2...01/02/03	**8.3**
R/L2...04	**8.4**







R=右手型-如图
R = right hand version shown

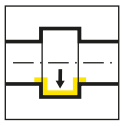
L=左手型
L = left hand version

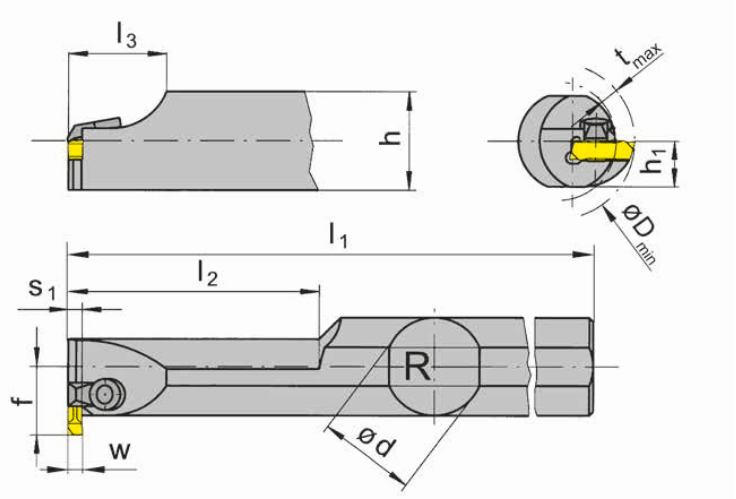
产品型号 Part number	d	l_1	l_2	l_3	h	s_1	h_1	f	t_{max}	D_{min}	HWS
R233.0020.01	20	130	25	18	18	1.5	9	13.3	2	20	21701
R253.0025.01	25	150	30	25	23	1.5	11.5	17.5	4.7	25	21701
R253.0032.01	32	150	30	25	30	1.5	15	21	4.7	32	21701
R233.0020.02	20	130	25	18	18	2.5	9	13.3	2	20	21702
R253.0025.02	25	150	30	25	23	2.5	11.5	17.5	4.7	25	21702
R253.0032.02	32	150	30	25	30	2.5	15	21	4.7	32	21702
R233.0020.03	20	130	25	18	18	3.5	9	13.3	2	20	21703
R253.0025.03	25	150	30	25	23	3.5	11.5	17.5	4.7	25	21703
R253.0032.03	32	150	30	25	30	3.5	15	21	4.7	32	21703
R233.0020.04	20	130	25	18	18	5.2	9	13.3	3	20	21704
R253.0025.04	25	150	30	25	23	5.2	11.5	17.5	4.7	25	21704
R253.0032.04	32	150	30	25	30	5.2	15	21	4.7	32	21704
L233.0020.01	20	130	25	18	18	1.5	9	13.3	2	20	21701
L253.0025.01	25	150	30	25	23	1.5	11.5	17.5	4.7	25	21701
L253.0032.01	32	150	30	25	30	1.5	15	21	4.7	32	21701
L233.0020.02	20	130	25	18	18	2.5	9	13.3	2	20	21702
L253.0025.02	25	150	30	25	23	2.5	11.5	17.5	4.7	25	21702
L253.0032.02	32	150	30	25	30	2.5	15	21	4.7	32	21702
L233.0020.03	20	130	25	18	18	3.5	9	13.3	2	20	21703
L253.0025.03	25	150	30	25	23	3.5	11.5	17.5	4.7	25	21703
L253.0032.03	32	150	30	25	30	3.5	15	21	4.7	32	21703
L233.0020.04	20	130	25	18	18	5.2	9	13.3	3	20	21704
L253.0025.04	25	150	30	25	23	5.2	11.5	17.5	4.7	25	21704
L253.0032.04	32	150	30	25	30	5.2	15	21	4.7	32	21704

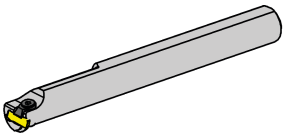
w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	压板 Clamping element
R/L2...01/02/03	**8.3**
R/L2...04	**8.4**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

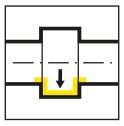
F

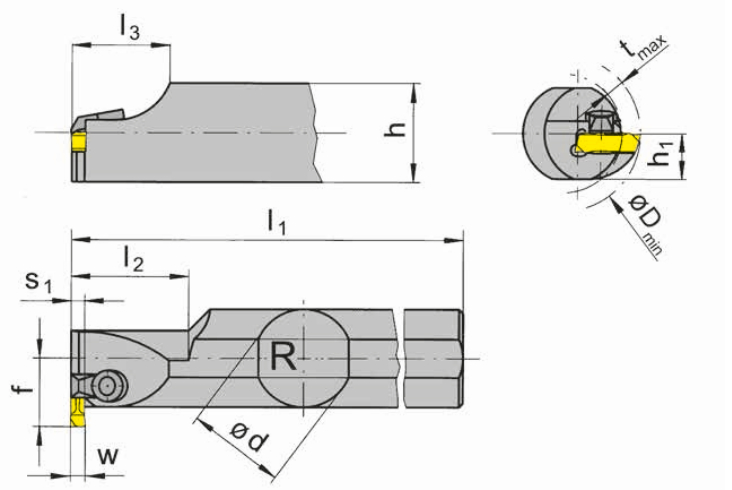
产品型号 Part number	d	l_1	l_2	l_3	h	s_1	h_1	f	t_{max}	D_{min}	HWS
R234.0020.01	20	180	60	18	18	1.5	9	13.3	2	20	21701
R254.0025.01	25	250	80	25	23	1.5	11.5	17.5	4.7	25	21701
R254.0032.01	32	250	80	25	30	1.5	15	21	4.7	32	21701
R234.0020.02	20	180	60	18	18	2.5	9	13.3	2	20	21702
R254.0025.02	25	250	80	25	23	2.5	11.5	17.5	4.7	25	21702
R254.0032.02	32	250	80	25	30	2.5	15	21	4.7	32	21702
R234.0020.03	20	180	60	18	18	3.5	9	13.3	2	20	21703
R254.0032.03	32	250	80	25	30	3.5	15	21	4.7	32	21703
R234.0020.04	20	180	60	18	18	5.2	9	13.3	3	20	21704
R254.0025.04	25	250	80	25	23	5.2	11.5	17.5	4.7	25	21704
R254.0032.04	32	250	80	25	30	5.2	15	21	4.7	32	21704
L234.0020.01	20	180	60	18	18	1.5	9	13.3	2	20	21701
L254.0025.01	25	250	80	25	23	1.5	11.5	17.5	4.7	25	21701
L254.0032.01	32	250	80	25	30	1.5	15	21	4.7	32	21701
L234.0020.02	20	180	60	18	18	2.5	9	13.3	2	20	21702
L254.0025.02	25	250	80	25	23	2.5	11.5	17.5	4.7	25	21702
L254.0032.02	32	250	80	25	30	2.5	15	21	4.7	32	21702
L234.0020.03	20	180	60	18	18	3.5	9	13.3	2	20	21703
L254.0025.03	25	250	80	25	23	3.5	11.5	17.5	4.7	25	21703
L254.0032.03	32	250	80	25	30	3.5	15	21	4.7	32	21703
L234.0020.04	20	180	60	18	18	5.2	9	13.3	3	20	21704
L254.0025.04	25	250	80	25	23	5.2	11.5	17.5	4.7	25	21704
L254.0032.04	32	250	80	25	30	5.2	15	21	4.7	32	21704

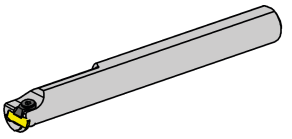
w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	压板 Clamping element
R/L2...01/02/03	**8.3**
R/L2...04	**8.4**







R=右手型-如图
R = right hand version shown

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L = left hand version

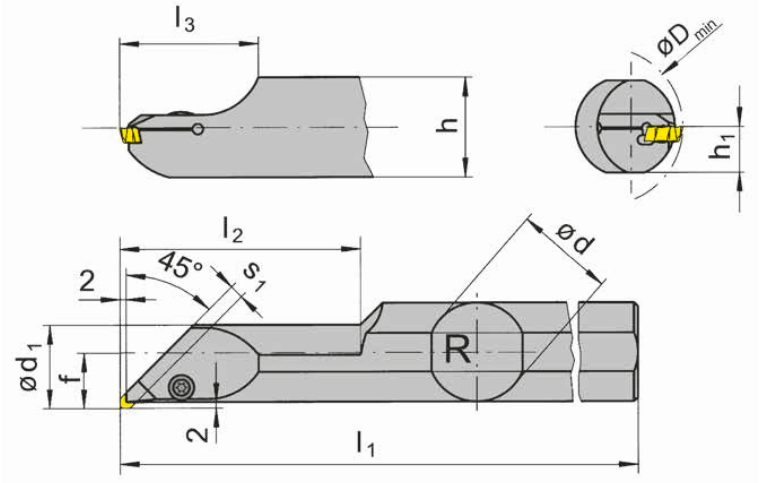
F

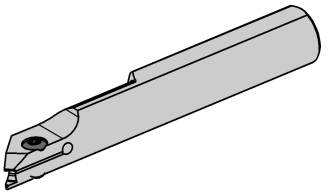
产品型号 Part number	d	l_1	l_2	l_3	h	s_1	h_1	f	t_{max}	D_{min}	HWS
R235.0020.01	20	130	25	18	18	1.5	9	13.3	2	20	21701
R255.0025.01	25	150	30	25	23	1.5	11.5	17.5	4.7	25	21701
R255.0032.01	32	150	30	25	30	1.5	15	21	4.7	32	21701
R235.0020.02	20	130	25	18	18	2.5	9	13.3	2	20	21702
R255.0025.02	25	150	30	25	23	2.5	11.5	17.5	4.7	25	21702
R255.0032.02	32	150	30	25	30	2.5	15	21	4.7	32	21702
R235.0020.03	20	130	25	18	18	3.5	9	13.3	2	20	21703
R255.0025.03	25	150	30	25	23	3.5	11.5	17.5	4.7	25	21703
R255.0032.03	32	150	30	25	30	3.5	15	21	4.7	32	21703
R235.0020.04	20	130	25	18	18	5.2	9	13.3	3	20	21704
R255.0025.04	25	150	30	25	23	5.2	11.5	17.5	4.7	25	21704
R255.0032.04	32	150	30	25	30	5.2	15	21	4.7	32	21704
L235.0020.01	20	130	25	18	18	1.5	9	13.3	2	20	21701
L255.0025.01	25	150	30	25	23	1.5	11.5	17.5	4.7	25	21701
L255.0032.01	32	150	30	25	30	1.5	15	21	4.7	32	21701
L235.0020.02	20	130	25	18	18	2.5	9	13.3	2	20	21702
L255.0025.02	25	150	30	25	23	2.5	11.5	17.5	4.7	25	21702
L255.0032.02	32	150	30	25	30	2.5	15	21	4.7	32	21702
L235.0020.03	20	130	25	18	18	3.5	9	13.3	2	20	21703
L255.0025.03	25	150	30	25	23	3.5	11.5	17.5	4.7	25	21703
L255.0032.03	32	150	30	25	30	3.5	15	21	4.7	32	21703
L235.0020.04	20	130	25	18	18	5.2	9	13.3	3	20	21704
L255.0025.04	25	150	30	25	23	5.2	11.5	17.5	4.7	25	21704
L255.0032.04	32	150	30	25	30	5.2	15	21	4.7	32	21704

w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	压板 Clamping element
R/L2...01/02/03	**8.3**
R/L2...04	**8.4**





R=右手型-如图
R = right hand version shown

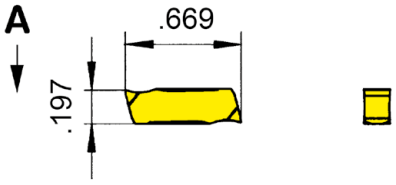
L=左手型
L = left hand version

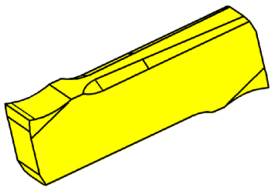
F

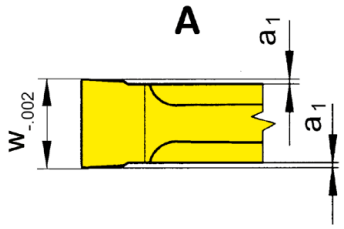
产品型号 Part number	d	l_2	h	l_1	h_1	f	D_{min}	d_1	s_1	l_3	HWS
R245.0020.02	20	60.43	18	180	9	12	20	17.2	2.5	35.6	21702
R245.0032.02	32	80	30	250	15	18	31	28.2	2.5	41.6	21702
R245.0020.03	20	60	18	180	9	12	20	17.2	3.5	35	21703
R245.0032.03	32	80.64	30	250	15	18	31	28.2	3.5	41.82	21703
R245.0020.04	20	60.99	18	180	9	12	20	17.2	5.2	36.17	21704
R245.0032.04	32	80.99	30	250	15	18	31	28.2	5.2	42.17	21704
L245.0020.02	20	60.43	18	180	9	12	20	17.2	2.5	35.6	21702
L245.0032.02	32	80	30	250	15	18	31	28.2	2.5	41.6	21702
L245.0020.03	20	60	18	180	9	12	20	17.2	3.5	35	21703
L245.0032.03	32	80.64	30	250	15	18	31	28.2	3.5	41.82	21703
L245.0020.04	20	60.99	18	180	9	12	20	17.2	5.2	36.17	21704
L245.0032.04	32	80.99	30	250	15	18	31	28.2	5.2	42.17	21704

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/L245...	**51.27.984P**	**T15PQ**







F

硬质合金牌号
Carbide grades

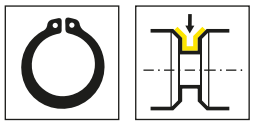
▲ 库存
on stock

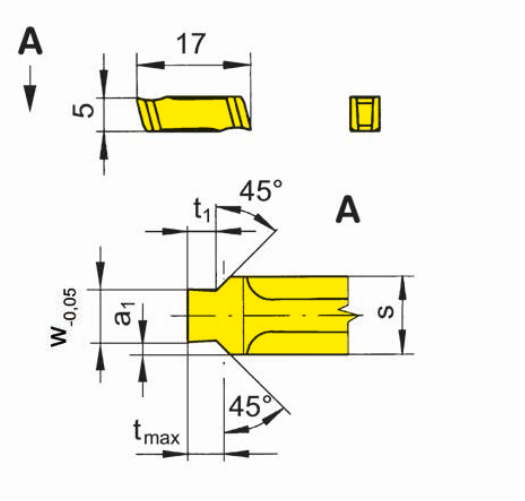
Δ 4周
4 weeks

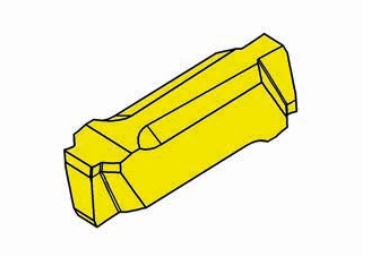
产品型号 Part number	w	Nw	a_1	HIS		K10	MG12	P20	TC92	TN32	TN35	H20
217.0050.00	0.57	0.5	0.06	21701		▲		▲		▲		
217.0060.00	0.67	0.6	0.06	21701		▲		▲		▲		
217.0070.00	0.77	0.7	0.06	21701		▲		▲		▲		
217.0080.00	0.87	0.8	0.06	21701		▲		▲		▲		
217.0090.00	0.97	0.9	0.06	21701		▲		▲		▲		
217.0100.00	1.07	1	0.06	21701		▲		▲		▲		
217.0110.00	1.24	1.1	0.1	21701		▲		▲		▲		
217.0130.00	1.44	1.3	0.1	21701		▲		▲		▲		
217.0160.00	1.74	1.6	0.1	21701		▲		▲	▲	▲	▲	
217.0185.00	1.99	1.85	0.1	21702		▲	Δ	▲	▲	▲		▲
217.0215.00	2.29	2.15	0.1	21702		▲		▲	▲	▲		
217.0265.00	2.79	2.65	0.1	21702		▲		▲	▲	▲		
217.0315.00	3.29	3.15	0.1	21703		▲		▲	▲	▲		
217.0415.00	4.29	4.15	0.1	21704		▲		▲	▲	▲		
217.0515.00	5.29	5.15	0.1	21704		▲		▲	▲	▲		
					P	●	o	●	●	●	●	●
					M	o	-	-	-	-	●	o
					K	●	-	-	-	-	●	-
					N	●	-	-	-	-	●	-
					S	o	-	-	-	-	●	-
					H	-	-	-	-	-	-	-

只有在切宽≥为1.1mm时才能达到最大切深
较小宽度刀片的最大切深tmax =1 mm，而且取决于工件的直径Ø。
Max. depth of groove can be reached only with width of cut ≥ 1,1 mm
Smaller inserts have a limited depth of groove tmax =1 mm and deeper depths are depending on Ø of workpiece.

镗杆可装w大于1.1mm的刀片。
w > 1,1 mm for Boring bar







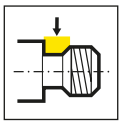
硬质合金牌号
Carbide grades

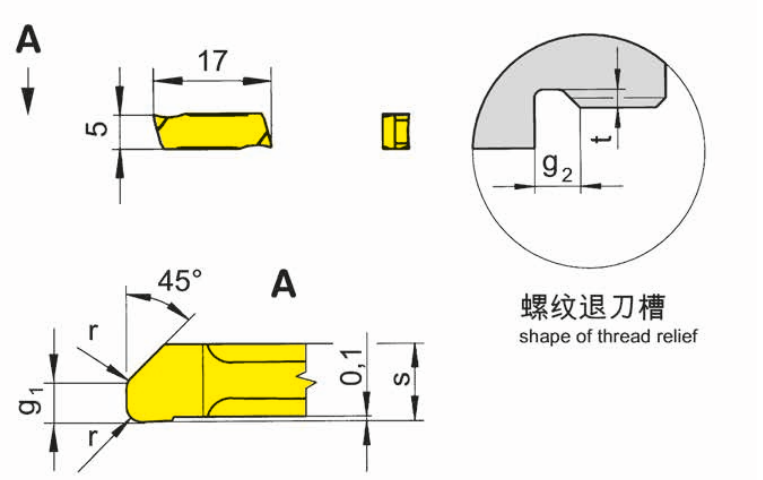
▲ 库存
on stock

Δ 4周
4 weeks

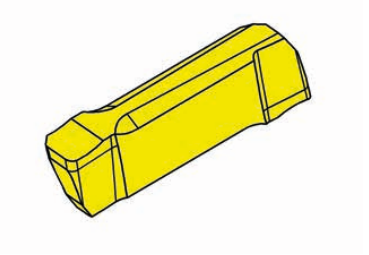
产品型号 Part number	w	Nw	t_{max}	a_1	s	t_1	HIS		MG12	P20	TN32
217.1101.25	1.24	1.1	0.2	0.64	2.5	0.19	21702		Δ	Δ	
217.1102.25	1.24	1.1	0.25	0.64	2.5	0.24	21702		Δ	Δ	
217.1103.25	1.24	1.1	0.3	0.64	2.5	0.29	21702		Δ	Δ	
217.1104.25	1.24	1.1	0.35	0.64	2.5	0.33	21702		Δ	Δ	
217.1105.25	1.24	1.1	0.4	0.64	2.5	0.36	21702		Δ	Δ	
217.1306.25	1.44	1.3	0.55	0.54	2.5	0.45	21702			Δ	▲
217.1607.33	1.74	1.6	0.7	0.79	3.3	0.6	21703			Δ	▲
217.1608.33	1.74	1.6	0.85	0.79	3.3	0.75	21703		Δ	Δ	
217.1609.33	1.74	1.6	1	0.79	3.3	0.85	21703				▲
217.1810.33	1.99	1.85	1	0.67	3.3	0.85	21703		Δ	Δ	
217.1812.33	1.99	1.85	1.25	0.67	3.3	1.1	21703			Δ	▲
217.2115.43	2.29	2.15	1.5	1.02	4.3	1.35	21704				▲
217.2616.43	2.79	2.65	1.5	0.77	4.3	1.35	21704				Δ
217.2617.43	2.79	2.65	1.75	0.77	4.3	1.6	21704				▲
217.3118.53	3.29	3.15	1.75	1.02	5.3	1.6	21704				▲
217.4120.53	4.29	4.15	2	0.52	5.3	1.85	21704				▲
217.4125.53	4.29	4.15	2.5	0.52	5.3	2.35	21704		Δ	Δ	
								P	o	●	●
								M	-	-	-
								K	-	-	-
								N	-	-	-
								S	-	-	-
								H	-	-	-

F





螺纹退刀槽
shape of thread relief



R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

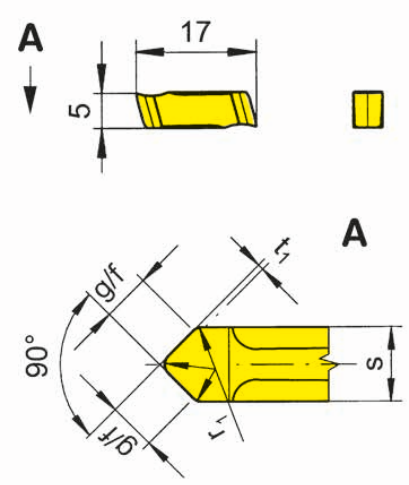
Δ 4周
4 weeks

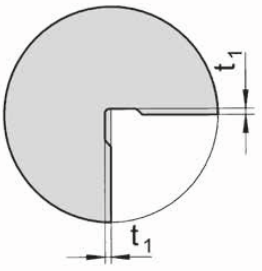
产品型号 Part number	P	r	t_1	s	g_1	g_2	HIS	P20
R217.1050.17	0.5	0.2	0.5	1.7	1.25	1.75	21701	Δ
R217.1060.27	0.6	0.4	0.55	2.7	1.5	2.05	21702	Δ
R217.1070.27	0.7	0.4	0.6	2.7	1.75	2.35	21702	Δ
R217.1080.27	0.8	0.4	0.7	2.7	2	2.7	21702	Δ
R217.1100.37	1	0.6	0.9	3.7	2.5	3.4	21703	▲
R217.1150.53	1.5	0.8	1.2	5.3	3.8	5	21704	Δ
L217.1050.17	0.5	0.2	0.5	1.7	1.25	1.75	21701	Δ
L217.1060.27	0.6	0.4	0.55	2.7	1.5	2.05	21702	Δ
L217.1070.27	0.7	0.4	0.6	2.7	1.75	2.35	21702	Δ
L217.1080.27	0.8	0.4	0.7	2.7	2	2.7	21702	Δ
L217.1150.53	1.5	0.8	1.2	5.3	3.8	5	21704	Δ

P	●
M	-
K	-
N	-
S	-
H	-

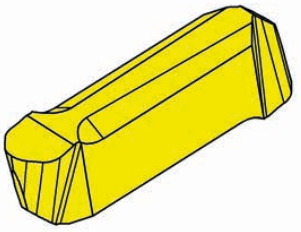
外圆加工：
右手刀片配右手刀杆,左手刀片配左手刀杆.
External machining:
Use right hand inserts in right hand toolholders and left hand inserts in left hand toolholders

内圆加工：
右手型刀片配合左手型刀杆，左手型刀片配合右手型刀杆
Internal machining:
Use right hand inserts in left hand toolholders and left hand inserts in right hand toolholders





螺纹退刀槽
shape of thread relief



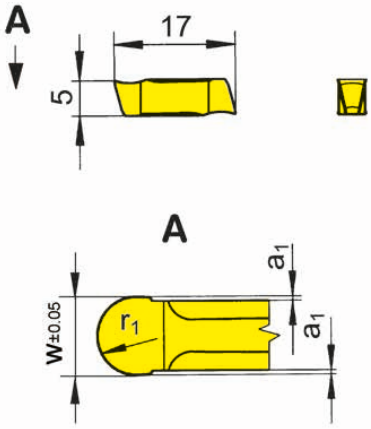
硬质合金牌号
Carbide grades

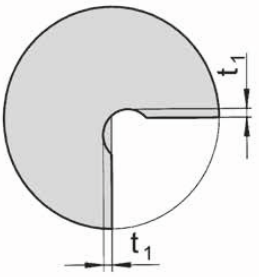
▲ 库存
on stock

Δ 4周
4 weeks

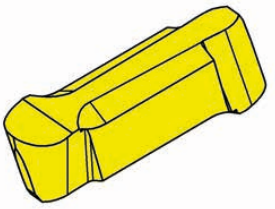
F

产品型号 Part number	r_1	D_{min}	t_1	s	g/f	HIS		P20	TN32
217.0602.24	0.6	20	0.2	2.4	1.7	21702		▲	▲
217.0603.33	0.6	23	0.3	3.3	2.3	21703		▲	
217.1002.30	1	22	0.2	3	2.1	21703		Δ	
217.1004.50	1	27	0.4	5	3.6	21704		Δ	
217.1603.50	1.6	27	0.3	5	3.6	21704		Δ	
							P	●	●
							M	-	-
							K	-	-
							N	-	-
							S	-	-
							H	-	-





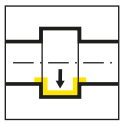
螺纹退刀槽
shape of thread relief

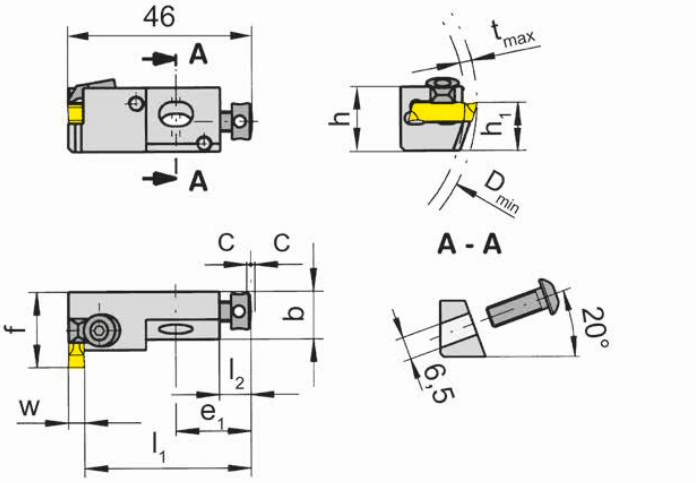


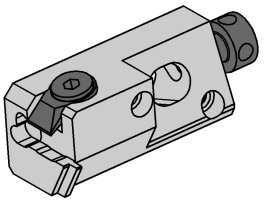
硬质合金牌号
Carbide grades

▲ 库存 on stock　　Δ 4周 4 weeks

产品型号 Part number	w	a_1	D_{min}	t_1	r_1	HIS		K10	P20	TC92	TF45	TI25	TN32	TN35
217.0010.20	2	0.1	20	0.75	1	21702		▲	▲	Δ	Δ	Δ	▲	▲
217.0015.30	3	0.1	20	1	1.5	21703		Δ	▲				▲	▲
217.0020.40	4	0.1	20	1.25	2	21704			▲					▲
217.0025.50	5	0.1	20	1.5	2.5	21704		▲	▲					
							P	●	●	●	●	●	●	●
							M	o	-	-	●	●	-	●
							K	●	-	-	●	●	-	●
							N	●	-	-	●	●	-	●
							S	o	-	-	●	●	-	●
							H	-	-	-	-	-	-	-







R=右手型-如图
R = right hand version shown

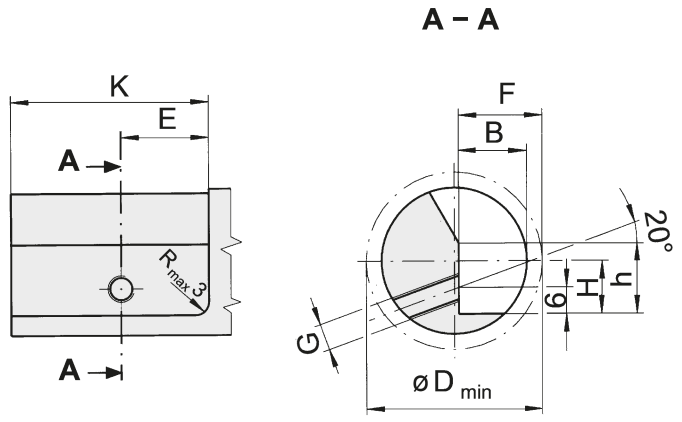
L=左手型
L = left hand version

产品型号 Part number	h	b	h_1	f	l_1	E_1	l_2	C	D_{min}	t_{max}	HWS
R232.1212.01	16	12	12	19	44.4	19	8	1	40	3	21701
R232.1212.03	16	12	12	19	42.4	19	8	1	40	3	21703
R232.1212.04	16	12	12	19	40.7	19	8	1	40	3	21704

基座尺寸见下一页
Dimensions of seating see following page

配件
Spare Parts

刀夹 Cartridge	**锁紧螺钉** Clamping Screw	**螺钉** Screw	**压板** Clamping element
R232.1212....	**4.08.913**	**6.20.232**	**8.3**
R232.1212.04	**4.08.913**	**6.20.232**	**8.4**



F

刀夹 Cartridge	F	G	H	K	E	B	h	D_{min}	紧固螺钉 Fastening screw
232.1212...	19	M6	12	45	20	15.5	16	40	6.20.232

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G

刀杆和刀片

槽宽2 - 6 mm

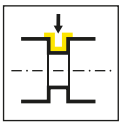
Toolholder and Inserts

Width of groove 2 - 6 mm

切槽和侧车削
Grooving and Side Turning

槽型及进给
Geometries and feed rates
页/Page 148-152

刀杆
Toolholder
H224/B224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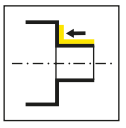
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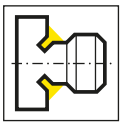
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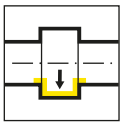
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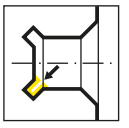
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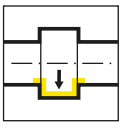
常规刀柄
Basic toolholder
B224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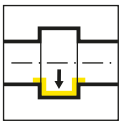
刀夹
Cassette
BK224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可转位刀片
Indexable insert
S224

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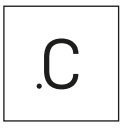

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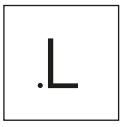

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刀片
Insert
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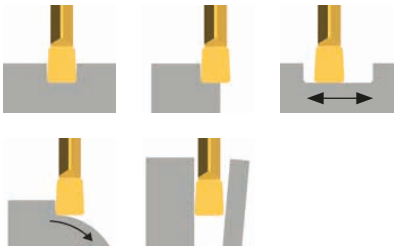
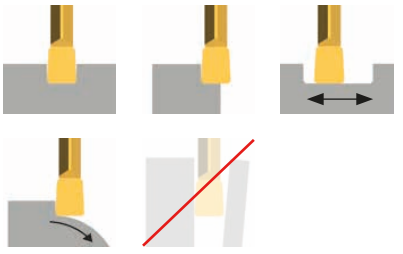
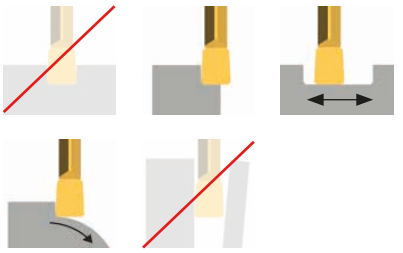
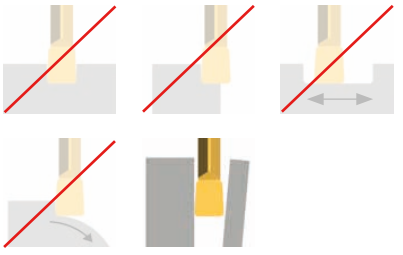
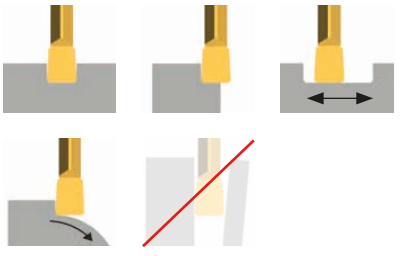
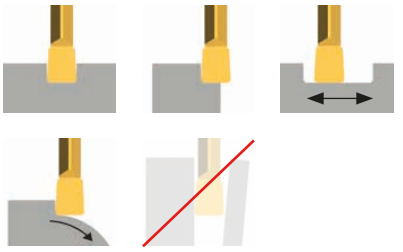
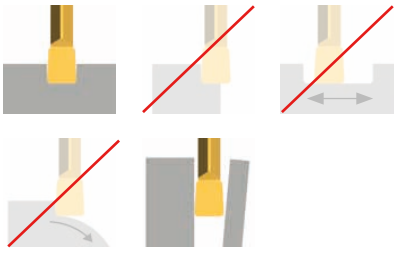
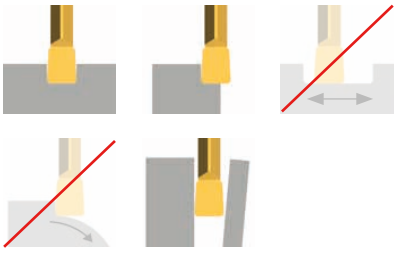
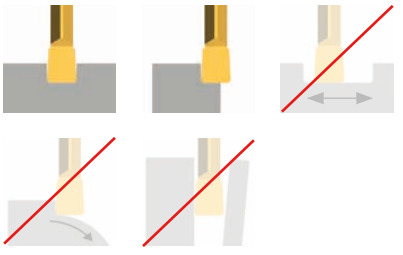
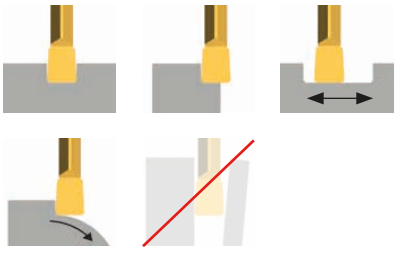
槽型及进给
Geometries and feed rates

槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.3	N S H	0.15-0.40	
.5	P M K N S H	0.10-0.45 0.15-0.60	
.A	P M K N S H	0.05-0.30 0.10-0.30	
.C	P M K N S H	0.02-0.10	
.D	P M K N S H	0.03-0.15 0.05-0.20	

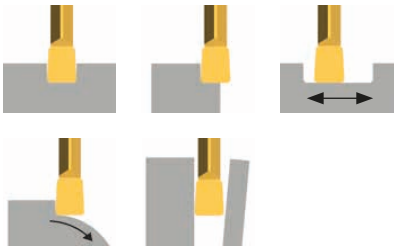
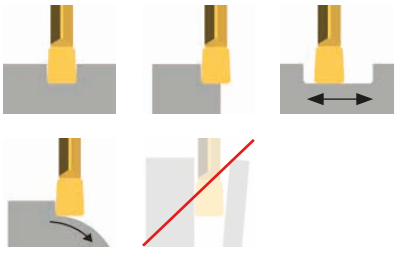
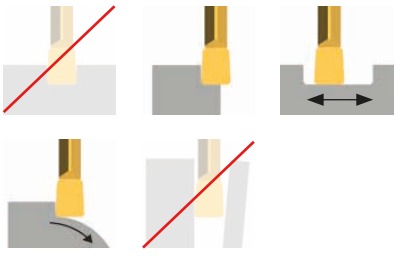
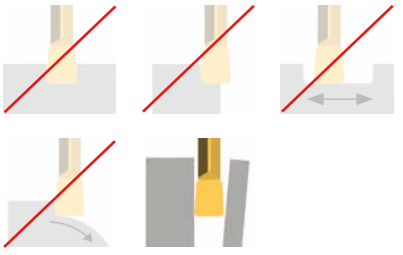
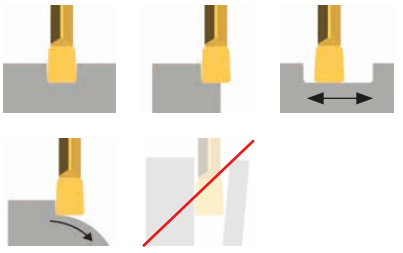
G

槽型及进给
Geometries and feed rates

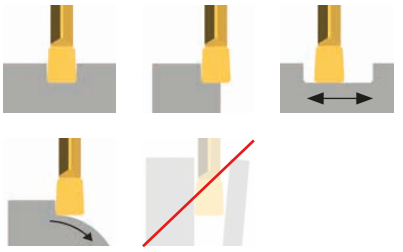
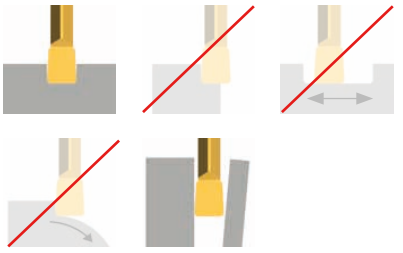
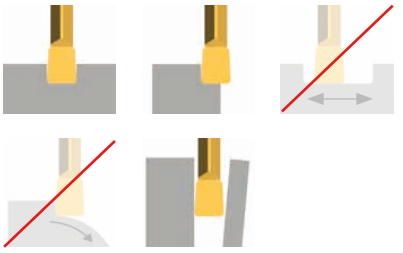
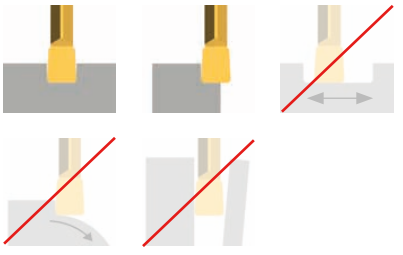
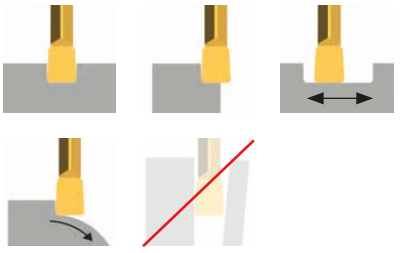
槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.ZG	N S H	0.05-0.20	
.3V	P M K N S H	0.05-0.20	
.EN	P M K N S H	0.10-0.45	
.H	P M K N S H	0.15-0.25 0.10-0.25	
.L	P M K N S H	0.10-0.22 0.05-0.20	

G

槽型及进给
Geometries and feed rates

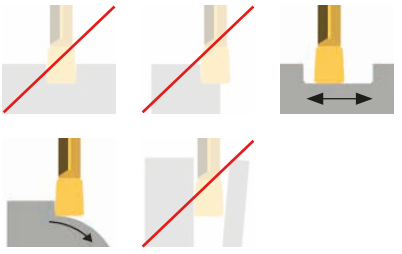
槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.3	P M K N S H	↓ 0.15-0.25 ↔ 0.15-0.40	
.5	P M K N S H	↓ 0.10-0.45 ↔ 0.15-0.60	
.A	P M K N S H	↓ 0.05-0.30 ↔ 0.10-0.30	
.C	P M K N S H	↓ 0.02-0.10	
.D	P M K N S H	↓ 0.03-0.15 ↔ 0.05-0.20	

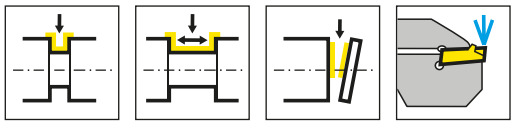
槽型及进给
Geometries and feed rates

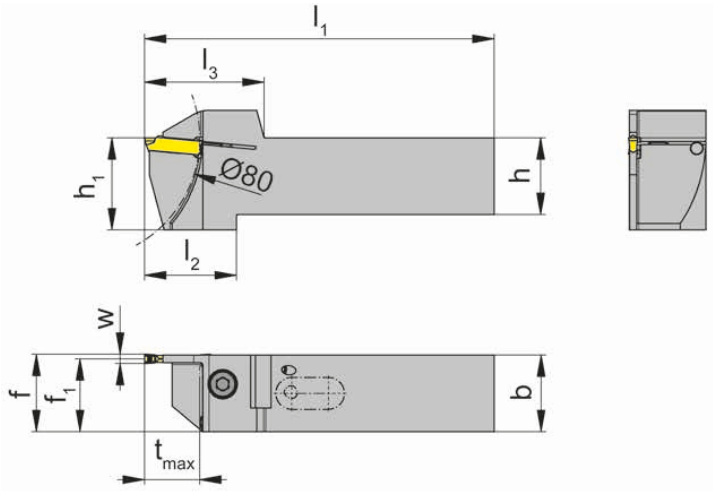
槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.ZG	P M K N S H	↓ 0.10-0.22 ↔ 0.05-0.20	
.3V	P M K N S H	↓ 0.05-0.20	
.EN	P M K N S H	↓ 0.10-0.45	
.H	P M K N S H	↓ 0.15-0.25 ↔ 0.10-0.25	
.L	P M K N S H	↓ 0.10-0.22 ↔ 0.05-0.20	

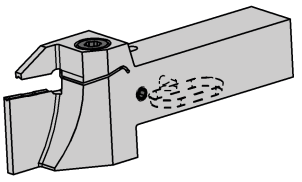
G

槽型及进给
Geometries and feed rates

槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.PT	P M K N S H	0.05-0.2	







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

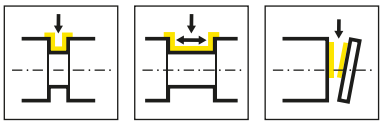
产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	HWS
RH224.1616.3.23.IK	16	16	87	33	39	25	14.75	f_1+w/2	18	224039
RH224.2020.3.23.IK	20	20	99	30	39	25	18.75	f_1+w/2	18	224039
RH224.2525.3.23.IK	25	25	114	30	39	30	23.75	f_1+w/2	18	224039
LH224.1616.3.23.IK	16	16	87	33	39	25	14.75	f_1+w/2	18	224039
LH224.2020.3.23.IK	20	20	99	30	39	25	18.75	f_1+w/2	18	224039
LH224.2525.3.23.IK	25	25	114	30	39	30	23.75	f_1+w/2	18	224039

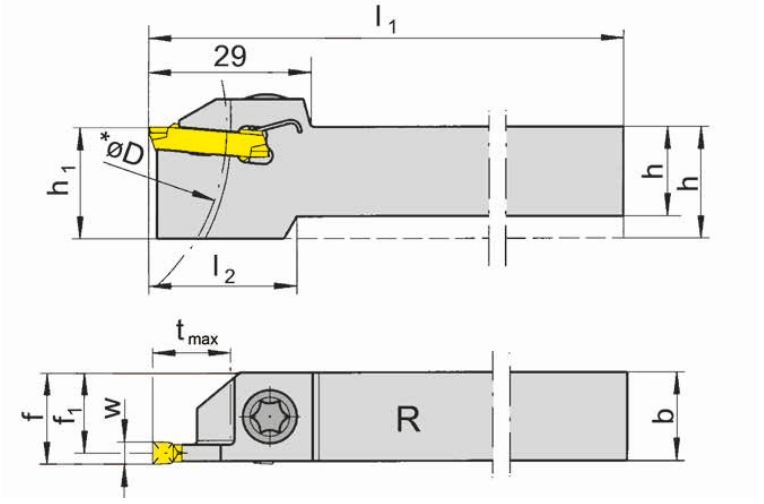
w见刀片
w see indexable inserts

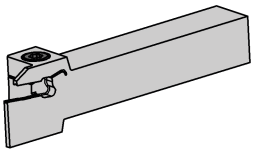
G

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LH224...	**6.23T25P**	**T25PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

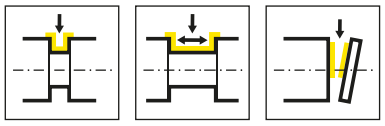
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	D_{max}	夹持范围 Clamping range	HWS
RH224.1616.01	16	16	125	25	20	15.3	f_1+w/2	14	80	2.0-2.4	224018
RH224.2020.01	20	20	125	-	20	19.3	f_1+w/2	14	80	2.0-2.4	224018
RH224.2525.01	25	25	150	-	25	24.3	f_1+w/2	14	80	2.0-2.4	224018
RH224.1616.02	16	16	125	25	20	15.1	f_1+w/2	14	80	2.4-2.8	224028
RH224.2020.02	20	20	125	-	20	19.1	f_1+w/2	14	80	2.4-2.8	224028
RH224.2525.02	25	25	150	-	25	24.1	f_1+w/2	14	80	2.4-2.8	224028
RH224.1616.03	16	16	125	25	20	14.9	f_1+w/2	14	80	2.8-3.7	224038
RH224.2020.03	20	20	125	-	20	18.9	f_1+w/2	14	80	2.8-3.7	224038
RH224.2525.03	25	25	150	-	25	23.9	f_1+w/2	14	80	2.8-3.7	224038
LH224.1616.01	16	16	125	25	20	15.3	f_1+w/2	14	80	2.0-2.4	224018
LH224.2020.01	20	20	125	-	20	19.3	f_1+w/2	14	80	2.0-2.4	224018
LH224.2525.01	25	25	150	-	25	24.3	f_1+w/2	14	80	2.0-2.4	224018
LH224.1616.02	16	16	125	25	20	15.1	f_1+w/2	14	80	2.4-2.8	224028
LH224.2020.02	20	20	125	-	20	19.1	f_1+w/2	14	80	2.4-2.8	224028
LH224.2525.02	25	25	150	-	25	24.1	f_1+w/2	14	80	2.4-2.8	224028
LH224.1616.03	16	16	125	25	20	14.9	f_1+w/2	14	80	2.8-3.7	224038
LH224.2020.03	20	20	125	-	20	18.9	f_1+w/2	14	80	2.8-3.7	224038
LH224.2525.03	25	25	150	-	25	23.9	f_1+w/2	14	80	2.8-3.7	224038

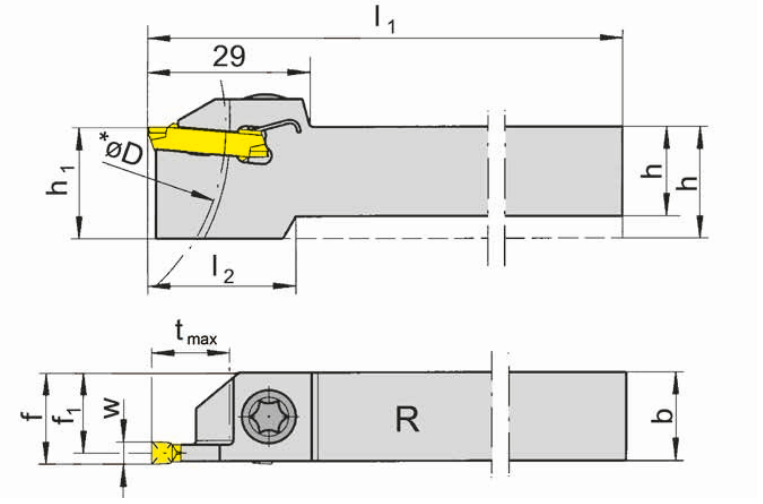
w见刀片
w see indexable inserts

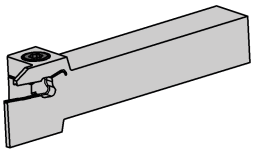
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH224...	**6.23T25P**	**T25PQ**

H224







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	D_{max}	夹持范围 Clamping range	HWS
RH224.1616.04	16	16	125	25	20	14.55	f_1+w/2	14	80	3.7-4.4	224048
RH224.2020.04	20	20	125	-	20	18.55	f_1+w/2	14	80	3.7-4.4	224048
RH224.2525.04	25	25	150	-	25	23.55	f_1+w/2	14	80	3.7-4.4	224048
RH224.1616.05	16	16	125	-	20	18.15	f_1+w/2	14	80	4.4-5.1	224058
RH224.2020.05	20	20	125	-	20	18.15	f_1+w/2	14	80	4.4-5.1	224058
RH224.2525.05	25	25	150	-	25	23.15	f_1+w/2	14	80	4.4-5.1	224058
RH224.2020.06	20	20	125	-	20	17.75	f_1+w/2	14	80	5.1-6.1	224068
RH224.2525.06	25	25	150	-	25	22.75	f_1+w/2	14	80	5.1-6.1	224068
LH224.1616.04	16	16	125	25	20	14.55	f_1+w/2	14	80	3.7-4.4	224048
LH224.2020.04	20	20	125	-	20	18.55	f_1+w/2	14	80	3.7-4.4	224048
LH224.2525.04	25	25	150	-	25	23.55	f_1+w/2	14	80	3.7-4.4	224048
LH224.1616.05	16	16	125	-	20	18.15	f_1+w/2	14	80	4.4-5.1	224058
LH224.2020.05	20	20	125	-	20	18.15	f_1+w/2	14	80	4.4-5.1	224058
LH224.2525.05	25	25	150	-	25	23.15	f_1+w/2	14	80	4.4-5.1	224058
LH224.2020.06	20	20	125	-	20	17.75	f_1+w/2	14	80	5.1-6.1	224068
LH224.2525.06	25	25	150	-	25	22.75	f_1+w/2	14	80	5.1-6.1	224068

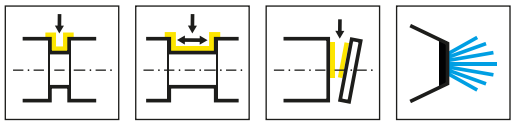
w见刀片
w see indexable inserts

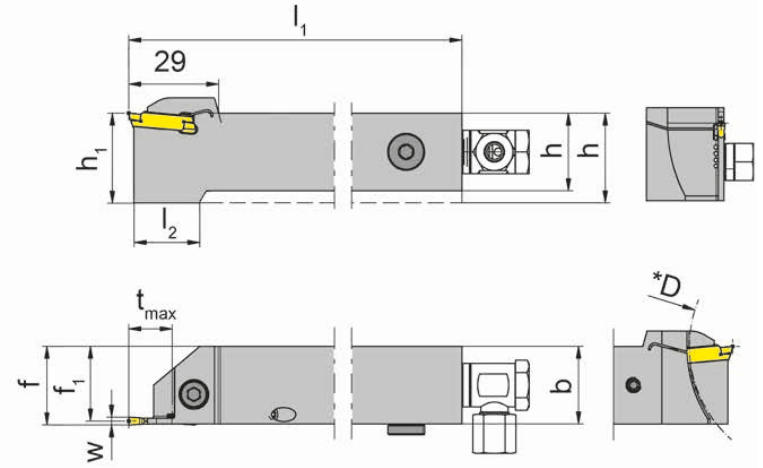
G

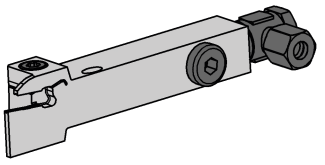
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH224...	**6.23T25P**	**T25PQ**

H224







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

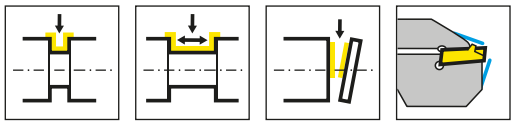
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	D_{max}	夹持范围 Clamping range	HWS
RH224.1616.01.IK	16	16	125	25	20	15.3	f_1+w/2	14	80	2.0-2.4	224018
RH224.2020.01.IK	20	20	125	-	20	19.3	f_1+w/2	14	80	2.0-2.4	224018
RH224.2525.01.IK	25	25	150	-	25	24.3	f_1+w/2	14	80	2.0-2.4	224018
RH224.1616.02.IK	16	16	125	25	20	15.1	f_1+w/2	14	80	2.4-2.8	224028
RH224.2020.02.IK	20	20	125	-	20	19.1	f_1+w/2	14	80	2.4-2.8	224028
RH224.1616.03.IK	16	16	125	25	20	14.9	f_1+w/2	14	80	2.8-3.7	224038
RH224.2020.03.IK	20	20	125	-	20	18.9	f_1+w/2	14	80	2.8-3.7	224038
RH224.2525.03.IK	25	25	150	-	25	23.9	f_1+w/2	14	80	2.8-3.7	224038
LH224.1616.01.IK	16	16	125	25	20	15.3	f_1+w/2	14	80	2.0-2.4	224018
LH224.2020.01.IK	20	20	125	-	20	19.3	f_1+w/2	14	80	2.0-2.4	224018
LH224.2525.01.IK	25	25	150	-	25	24.3	f_1+w/2	14	80	2.0-2.4	224018
LH224.1616.02.IK	16	16	125	25	20	15.1	f_1+w/2	14	80	2.4-2.8	224028
LH224.2020.02.IK	20	20	125	-	20	19.1	f_1+w/2	14	80	2.4-2.8	224028
LH224.2525.02.IK	25	25	150	-	25	24.1	f_1+w/2	14	80	2.4-2.8	224028
LH224.1616.03.IK	16	16	125	25	20	14.9	f_1+w/2	14	80	2.8-3.7	224038
LH224.2020.03.IK	20	20	125	-	20	18.9	f_1+w/2	14	80	2.8-3.7	224038
LH224.2525.03.IK	25	25	150	-	25	23.9	f_1+w/2	14	80	2.8-3.7	224038

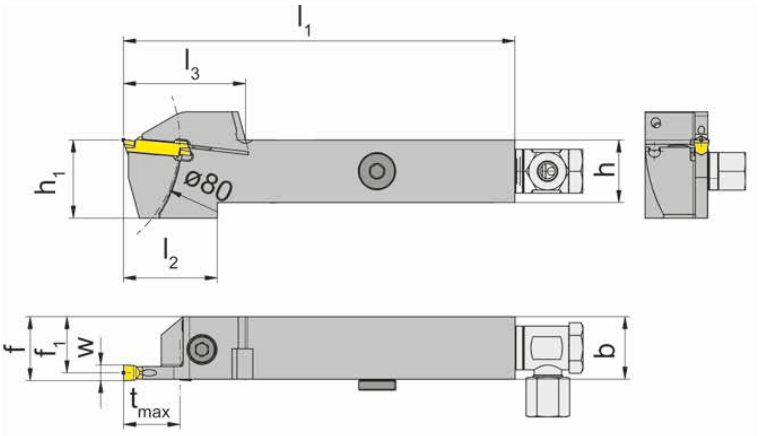
w见刀片
w see indexable inserts

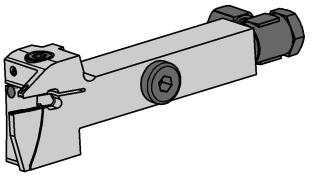
配件
Spare Parts

刀杆 Toolholder	冷却液供应 Coolant supply	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench	螺钉 Screw Plug
R/LH224...	**004.00.16**	**6.23T25P**	**T25PQ**	**004.00.26**
LH224.2525.02.IK	**004.00.16**	**6.23T25P**	**T25PQ**	**004.00.26**

H224







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

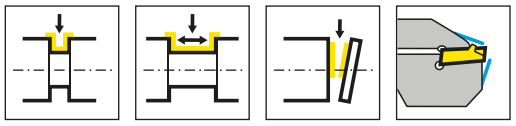
产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	HWS
RH224.1616.0.03.IK	16	16	125	29	35	25	14.75	f_1+w/2	14	224038
RH224.2020.0.03.IK	20	20	125	26	35	25	18.75	f_1+w/2	14	224038
RH224.2525.0.03.IK	25	25	150	26	35	30	23.75	f_1+w/2	14	224038
RH224.1616.0.04.IK	16	16	125	29	35	25	14.3	f_1+w/2	14	224048
RH224.2020.0.04.IK	20	20	125	26	35	25	18.3	f_1+w/2	14	224048
RH224.1616.0.05.IK	16	16	125	29	35	25	13.95	f_1+w/2	14	224058
RH224.2020.0.05.IK	20	20	125	26	35	25	17.95	f_1+w/2	14	224058
RH224.2525.0.05.IK	25	25	150	26	35	30	22.95	f_1+w/2	14	224058
LH224.1616.0.03.IK	16	16	125	29	35	25	14.75	f_1+w/2	14	224038
LH224.2020.0.03.IK	20	20	125	26	35	25	18.75	f_1+w/2	14	224038
LH224.2525.0.03.IK	25	25	150	26	35	30	23.75	f_1+w/2	14	224038
LH224.1616.0.04.IK	16	16	125	29	35	25	14.3	f_1+w/2	14	224048
LH224.2020.0.04.IK	20	20	125	26	35	25	18.3	f_1+w/2	14	224048
LH224.1616.0.05.IK	16	16	125	29	35	25	13.95	f_1+w/2	14	224058
LH224.2525.0.05.IK	25	25	150	26	35	30	22.95	f_1+w/2	14	224058

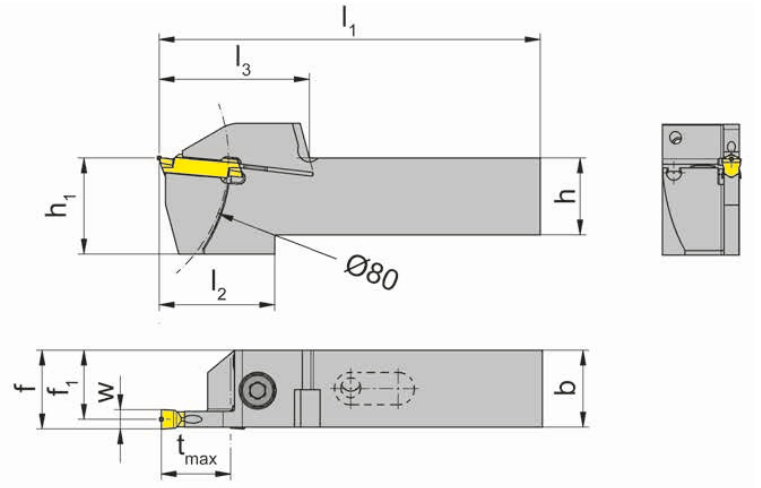
w见刀片
w see indexable inserts

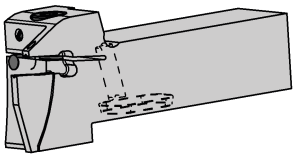
G

配件
Spare Parts

刀杆 Toolholder	冷却液供应 Coolant supply	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench	螺钉 Screw Plug
R/LH224...	**004.00.16**	**6.23T25P**	**T25PQ**	**004.00.26**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

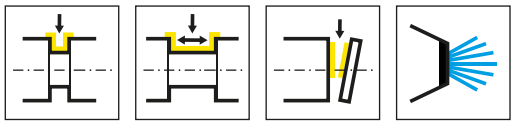
产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	HWS
RH224.1616.2.03.IK	16	16	83	29	35	25	14.75	f_1+w/2	14	224038
RH224.1616.2.04.IK	16	16	83	29	35	25	14.3	f_1+w/2	14	224048
RH224.2020.2.03.IK	20	20	95	26	35	25	18.75	f_1+w/2	14	224038
RH224.2020.2.04.IK	20	20	95	26	35	25	18.3	f_1+w/2	14	224048
RH224.2020.2.05.IK	20	20	95	26	35	25	17.95	f_1+w/2	14	224058
RH224.2525.2.03.IK	25	25	110	26	35	30	23.75	f_1+w/2	14	224038
RH224.2525.2.04.IK	25	25	110	26	35	30	23.3	f_1+w/2	14	224048
RH224.2525.2.05.IK	25	25	110	26	35	30	22.95	f_1+w/2	14	224058
LH224.1616.2.03.IK	16	16	83	29	35	25	14.75	f_1+w/2	14	224038
LH224.1616.2.04.IK	16	16	83	29	35	25	14.3	f_1+w/2	14	224048
LH224.1616.2.05.IK	16	16	83	29	35	25	13.95	f_1+w/2	14	224058
LH224.2020.2.03.IK	20	20	95	26	35	25	18.75	f_1+w/2	14	224038
LH224.2020.2.04.IK	20	20	95	26	35	25	18.3	f_1+w/2	14	224048
LH224.2020.2.05.IK	20	20	95	26	35	25	17.95	f_1+w/2	14	224058
LH224.2525.2.03.IK	25	25	110	26	35	30	23.75	f_1+w/2	14	224038
LH224.2525.2.04.IK	25	25	110	26	35	30	23.3	f_1+w/2	14	224048
LH224.2525.2.05.IK	25	25	110	26	35	30	22.95	f_1+w/2	14	224058

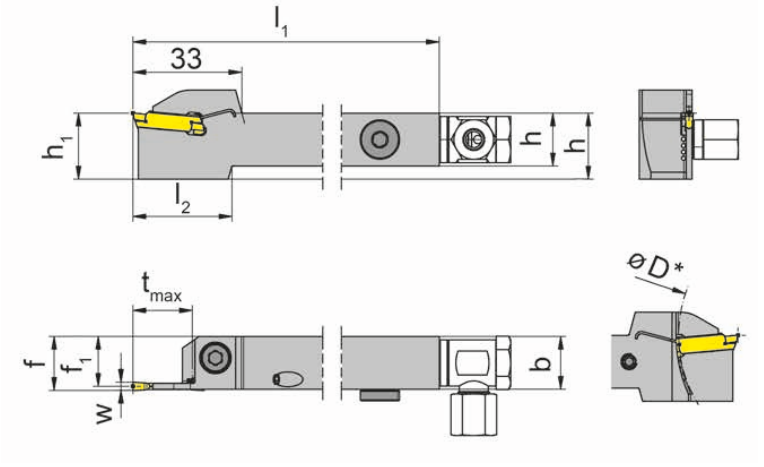
w见刀片
w see indexable inserts

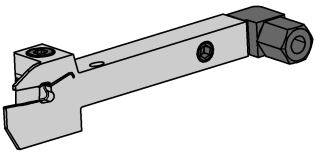
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH224...	**6.23T25P**	**T25PQ**
LH224.1616.2.05.IK	**6.23T25P**	**T25PQ**

H224







R=右手型-如图
R = right hand version shown

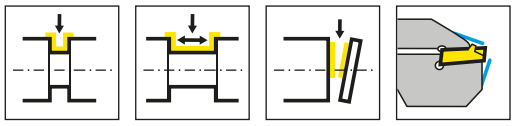
L=左手型
L = left hand version

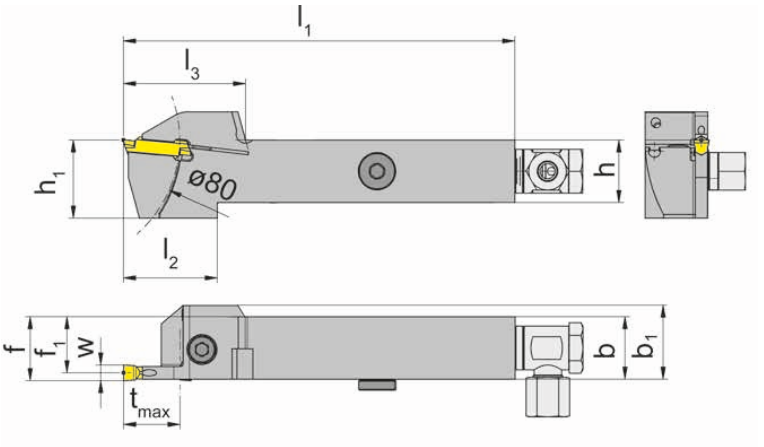
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	D_{max}	夹持范围 Clamping range	HWS
RH224.1212.21.IK	12	12	125	33	20	11.3	f_1+w/2	18	80	2.0-2.4	224018
RH224.1616.21.IK	16	16	125	30	20	15.3	f_1+w/2	18	80	2.0-2.4	224018
RH224.2020.21.IK	20	20	125	-	20	19.3	f_1+w/2	18	80	2.0-2.4	224018
RH224.2525.21.IK	25	25	150	-	25	24.3	f_1+w/2	18	80	2.0-2.4	224018
RH224.1616.22.IK	16	16	125	30	20	15.1	f_1+w/2	18	80	2.4-2.8	224028
RH224.2020.22.IK	20	20	125	-	20	19.1	f_1+w/2	18	80	2.4-2.8	224028
RH224.2525.22.IK	25	25	150	-	25	24.1	f_1+w/2	18	80	2.4-2.8	224028
RH224.1212.23.IK	12	12	125	33	20	10.9	f_1+w/2	18	80	2.8-3.7	224038
RH224.1616.23.IK	16	16	125	30	20	14.9	f_1+w/2	18	80	2.8-3.7	224038
RH224.2020.23.IK	20	20	125	-	20	18.9	f_1+w/2	18	80	2.8-3.7	224038
RH224.2525.23.IK	25	25	150	-	25	23.9	f_1+w/2	18	80	2.8-3.7	224038
LH224.1212.21.IK	12	12	125	33	20	11.3	f_1+w/2	18	80	2.0-2.4	224018
LH224.1616.21.IK	16	16	125	30	20	15.3	f_1+w/2	18	80	2.0-2.4	224018
LH224.2020.21.IK	20	20	125	-	20	19.3	f_1+w/2	18	80	2.0-2.4	224018
LH224.2525.21.IK	25	25	150	-	25	24.3	f_1+w/2	18	80	2.0-2.4	224018
LH224.1212.22.IK	12	12	125	33	20	11.1	f_1+w/2	18	80	2.4-2.8	224028
LH224.1616.22.IK	16	16	125	30	20	15.1	f_1+w/2	18	80	2.4-2.8	224028
LH224.2020.22.IK	20	20	125	-	20	19.1	f_1+w/2	18	80	2.4-2.8	224028
LH224.2525.22.IK	25	25	150	-	25	24.1	f_1+w/2	18	80	2.4-2.8	224028
LH224.1212.23.IK	12	12	125	33	20	10.9	f_1+w/2	18	80	2.8-3.7	224038
LH224.1616.23.IK	16	16	125	30	20	14.9	f_1+w/2	18	80	2.8-3.7	224038
LH224.2020.23.IK	20	20	125	-	20	18.9	f_1+w/2	18	80	2.8-3.7	224038
LH224.2525.23.IK	25	25	150	-	25	23.9	f_1+w/2	18	80	2.8-3.7	224038

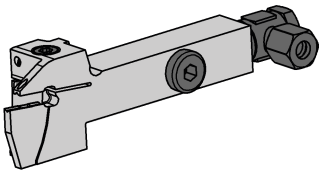
w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	冷却液供应 Coolant supply	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench	螺钉 Screw Plug
R/LH224.12....	**004.00.22**	**6.23T25P**	**T25PQ**	
R/LH224.16.../20.../25...	**004.00.16**	**6.23T25P**	**T25PQ**	**004.00.26**
LH224.2525.23.IK	**004.00.61**	**6.23T25P**	**T25PQ**	







R=右手型-如图
R = right hand version shown

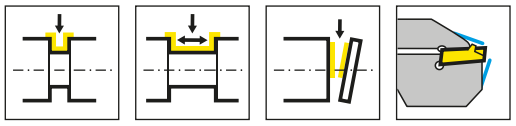
L=左手型
L = left hand version

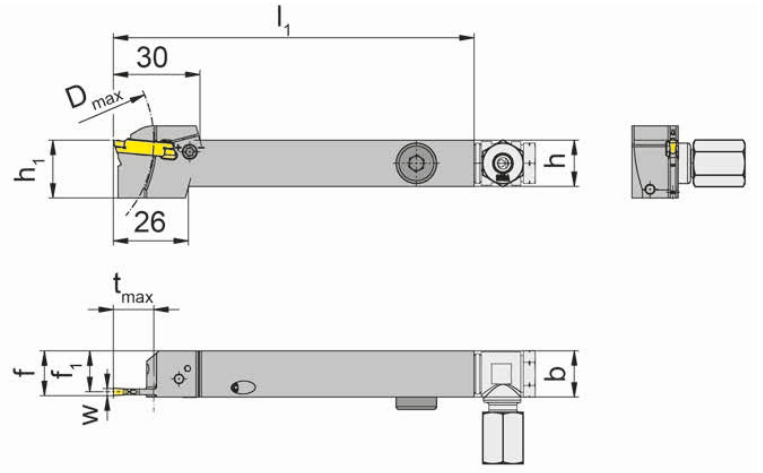
产品型号 Part number	h	b	l_1	l_2	l_3	h_1	b_1	f_1	f	t_{max}	HWS
RH224.1616.0.23.IK	16	16	125	33	39	25	20	14.75	f_1+w/2	18	224038
RH224.2020.0.23.IK	20	20	125	30	39	25	-	18.75	f_1+w/2	18	224038
RH224.2525.0.23.IK	25	25	150	30	39	30	-	23.75	f_1+w/2	18	224038
RH224.1616.0.24.IK	16	16	125	33	39	25	20	14.3	f_1+w/2	18	224048
RH224.2020.0.24.IK	20	20	125	30	39	25	-	18.3	f_1+w/2	18	224048
RH224.2525.0.24.IK	25	25	150	30	39	30	-	23.3	f_1+w/2	18	224048
RH224.1616.0.25.IK	16	16	125	33	39	25	20	13.95	f_1+w/2	18	224058
RH224.2020.0.25.IK	20	20	125	30	39	25	-	17.95	f_1+w/2	18	224058
RH224.2525.0.25.IK	25	25	150	30	39	30	-	23.95	f_1+w/2	18	224058
LH224.1616.0.23.IK	16	16	125	33	39	25	20	14.75	f_1+w/2	18	224038
LH224.2020.0.23.IK	20	20	125	30	39	25	-	18.75	f_1+w/2	18	224038
LH224.2525.0.23.IK	25	25	150	30	39	30	-	23.75	f_1+w/2	18	224038
LH224.1616.0.24.IK	16	16	125	33	39	25	20	14.3	f_1+w/2	18	224048
LH224.2020.0.24.IK	20	20	125	30	39	25	-	18.3	f_1+w/2	18	224048
LH224.2525.0.24.IK	25	25	150	30	39	30	-	23.3	f_1+w/2	18	224048
LH224.1616.0.25.IK	16	16	125	33	39	25	20	13.95	f_1+w/2	18	224058
LH224.2020.0.25.IK	20	20	125	30	39	25	-	17.95	f_1+w/2	18	224058
LH224.2525.0.25.IK	25	25	150	30	39	30	-	23.95	f_1+w/2	18	224058

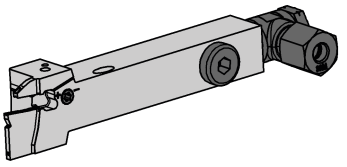
w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	冷却液供应 Coolant supply	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench	螺钉 Screw Plug
R/LH224...	**004.00.16**	**6.23T25P**	**T25PQ**	**004.00.26**





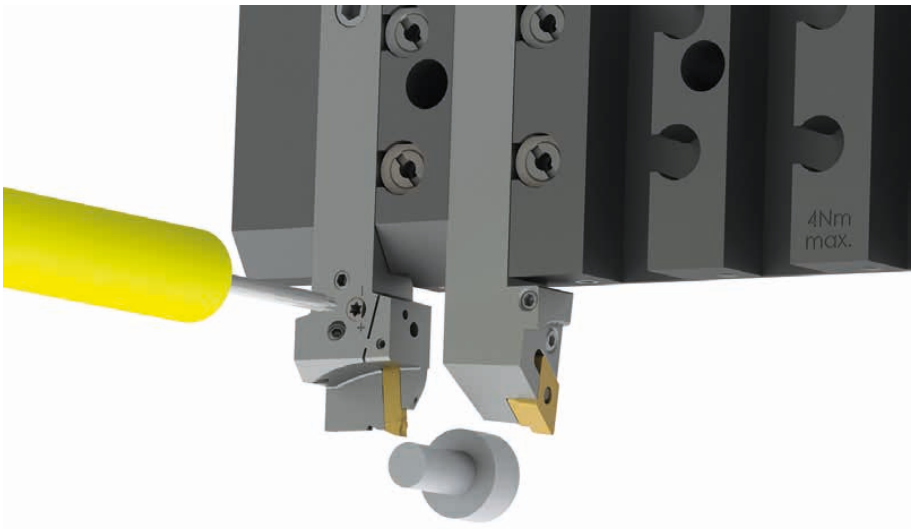


R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	h_1	f_1	f	D_{max}	t_{max}	HWS
RH224.1616.05.62.IK	16	16	125	16	14.2	f_1+w/2	80	14	224028
RH224.1616.05.63.IK	16	16	125	16	14.2	f_1+w/2	80	14	224038
LH224.1616.05.62.IK	16	16	125	16	14.2	f_1+w/2	80	14	224028
LH224.1616.05.63.IK	16	16	125	16	14.2	f_1+w/2	80	14	224038

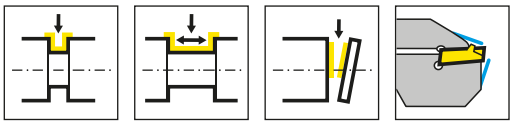
w见刀片
w see indexable inserts

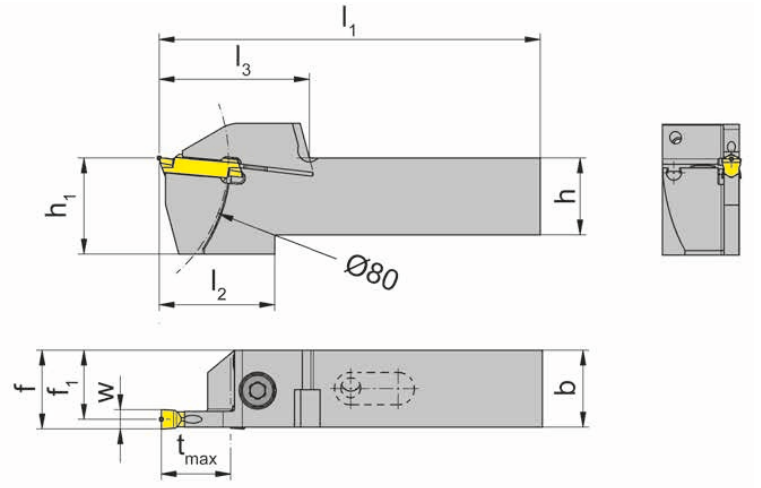


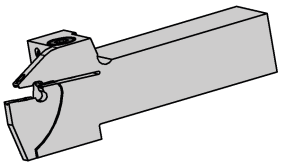
配件
Spare Parts

刀杆 Toolholder	冷却液供应 Coolant supply	螺钉 Screw Plug
R/LH224...	**004.00.16**	**004.00.26**

H224







R=右手型-如图
R = right hand version shown

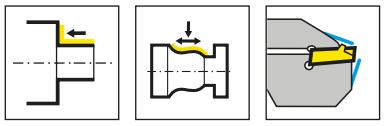
L=左手型
L = left hand version

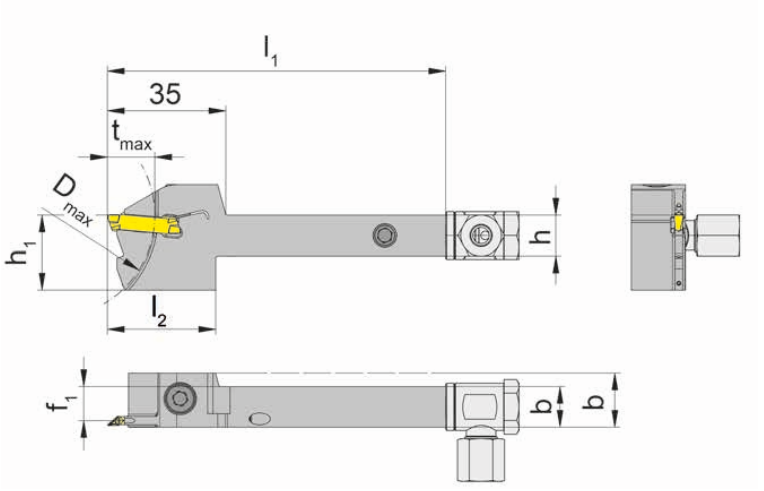
产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	HWS
RH224.1616.2.23.IK	16	16	87	33	39	25	14.75	f_1+w/2	18	224038
RH224.1616.2.24.IK	16	16	87	33	39	25	14.3	f_1+w/2	18	224048
RH224.1616.2.25.IK	16	16	87	33	39	25	13.95	f_1+w/2	18	224058
RH224.2020.2.23.IK	20	20	99	30	39	25	18.75	f_1+w/2	18	224038
RH224.2020.2.24.IK	20	20	99	30	39	25	18.3	f_1+w/2	18	224048
RH224.2020.2.25.IK	20	20	99	30	39	25	17.95	f_1+w/2	18	224058
RH224.2525.2.23.IK	25	25	114	30	39	30	23.75	f_1+w/2	18	224038
RH224.2525.2.24.IK	25	25	114	30	39	30	23.3	f_1+w/2	18	224048
RH224.2525.2.25.IK	25	25	114	30	39	30	22.95	f_1+w/2	18	224058
LH224.1616.2.23.IK	16	16	87	33	39	25	14.75	f_1+w/2	18	224038
LH224.1616.2.24.IK	16	16	87	33	39	25	14.3	f_1+w/2	18	224048
LH224.1616.2.25.IK	16	16	87	33	39	25	13.95	f_1+w/2	18	224058
LH224.2020.2.23.IK	20	20	99	30	39	25	18.75	f_1+w/2	18	224038
LH224.2020.2.24.IK	20	20	99	30	39	25	18.3	f_1+w/2	18	224048
LH224.2020.2.25.IK	20	20	99	30	39	25	17.95	f_1+w/2	18	224058
LH224.2525.2.23.IK	25	25	114	30	39	30	23.75	f_1+w/2	18	224038
LH224.2525.2.24.IK	25	25	114	30	39	30	23.3	f_1+w/2	18	224048
LH224.2525.2.25.IK	25	25	114	30	39	30	22.95	f_1+w/2	18	224058

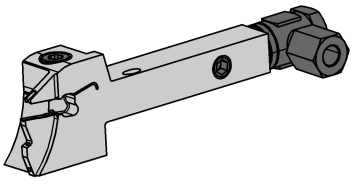
w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH224...	**6.23T25P**	**T25PQ**







R=右手型-如图
R = right hand version shown

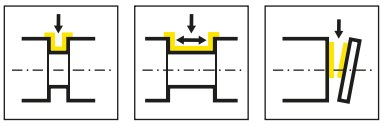
L=左手型-如图
L = left hand version shown

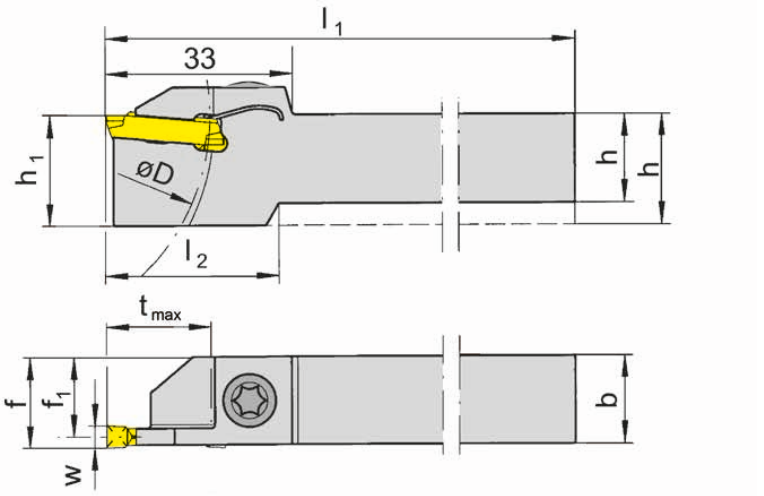
产品型号 Part number	h	b	l_1	l_2	h_1	b_1	f_1	D_{max}	t_{max}	HWS
RH224.1212.S.6.03.IK	12	12	100	32	22	16	10.05	60	14	224038
RH224.1616.S.6.03.IK	16	16	125	29	25	16	14.05	60	14	224038
LH224.1212.S.6.03.IK	12	12	100	32	22	16	10.05	60	14	224038
LH224.1616.S.6.03.IK	16	16	125	29	25	16	14.05	60	14	224038

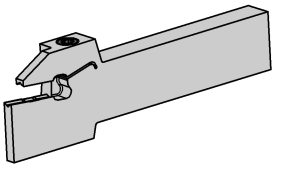
G

配件
Spare Parts

刀杆 Toolholder	冷却液供应 Coolant supply	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench	螺钉 Screw Plug
R/LH224.1212.S.6.03.IK	**004.00.22**	**6.23T25P**	**T25PQ**	
R/LH224.1616.S.6.03.IK	**004.00.16**	**6.23T25P**	**T25PQ**	**004.00.26**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

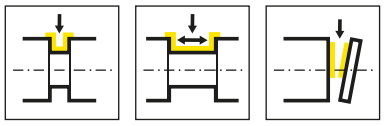
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	D_{max}	夹持范围 Clamping range	HWS
RH224.1616.21	16	16	125	30	20	15.3	f_1+w/2	18	80	2.0-2.4	224018
RH224.1212.21	12	12	125	33	20	11.3	f_1+w/2	18	80	2.0-2.4	224018
RH224.2020.21	20	20	125	-	20	19.3	f_1+w/2	18	80	2.0-2.4	224018
RH224.2525.21	25	25	150	-	25	24.3	f_1+w/2	18	80	2.0-2.4	224018
RH224.1608.02	16	8	100	30	20	7.1	f_1+w/2	14	80	2.4-2.8	224028
RH224.1616.22	16	16	125	30	20	15.1	f_1+w/2	18	80	2.4-2.8	224028
RH224.2020.22	20	20	125	-	20	19.1	f_1+w/2	18	80	2.4-2.8	224028
RH224.2525.22	25	25	150	-	25	24.1	f_1+w/2	18	80	2.4-2.8	224028
RH224.1212.22	12	12	125	33	20	11.1	f_1+w/2	18	80	2.4-2.8	224028
RH224.1608.23	16	8	100	30	20	6.9	f_1+w/2	18	80	2.8-3.7	224038
RH224.1616.23	16	16	125	30	20	14.9	f_1+w/2	18	80	2.8-3.7	224038
RH224.2020.23	20	20	125	-	20	18.9	f_1+w/2	18	80	2.8-3.7	224038
RH224.2525.23	25	25	150	-	25	23.9	f_1+w/2	18	80	2.8-3.7	224038
RH224.1212.23	12	12	125	33	20	10.9	f_1+w/2	18	80	2.8-3.7	224038
LH224.1212.21	12	12	125	33	20	11.3	f_1+w/2	18	80	2.0-2.4	224018
LH224.1616.21	16	16	125	30	20	15.3	f_1+w/2	18	80	2.0-2.4	224018
LH224.2020.21	20	20	125	-	20	19.3	f_1+w/2	18	80	2.0-2.4	224018
LH224.2525.21	25	25	150	-	25	24.3	f_1+w/2	18	80	2.0-2.4	224018
LH224.1616.22	16	16	125	30	20	15.1	f_1+w/2	18	80	2.4-2.8	224028
LH224.2020.22	20	20	125	-	20	19.1	f_1+w/2	18	80	2.4-2.8	224028
LH224.1212.22	12	12	125	33	20	11.1	f_1+w/2	18	80	2.4-2.8	224028
LH224.2525.22	25	25	150	-	25	24.1	f_1+w/2	18	80	2.4-2.8	224028
LH224.1608.23	16	8	100	30	20	6.9	f_1+w/2	18	80	2.8-3.7	224038
LH224.1616.23	16	16	125	30	20	14.9	f_1+w/2	18	80	2.8-3.7	224038
LH224.2020.23	20	20	125	-	20	18.9	f_1+w/2	18	80	2.8-3.7	224038
LH224.2525.23	25	25	150	-	25	23.9	f_1+w/2	18	80	2.8-3.7	224038
LH224.1212.23	12	12	125	33	20	10.9	f_1+w/2	18	80	2.8-3.7	224038

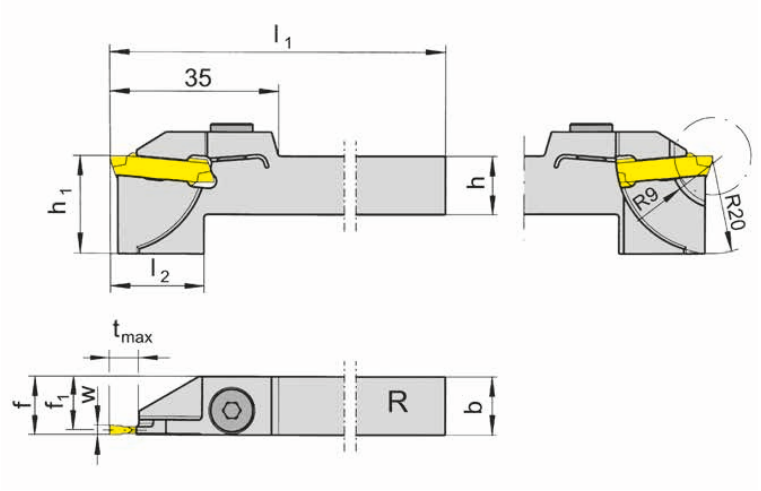
配件
Spare Parts

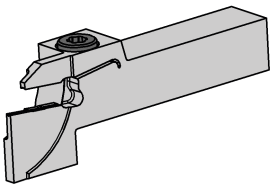
w见刀片
w see indexable inserts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH224...	**6.23T25P**	**T25PQ**
RH224.1608.02	**4.15T15P**	**T15PL**
R/LH224.1608.23	**4.15T15P**	**T15PQ**

H224







R=右手型-如图
R = right hand version shown

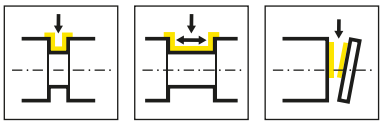
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
RH224.1212.81	12	12	95	19.5	20	11.1	f_1+w/2	8.2	2.0-2.4	224018

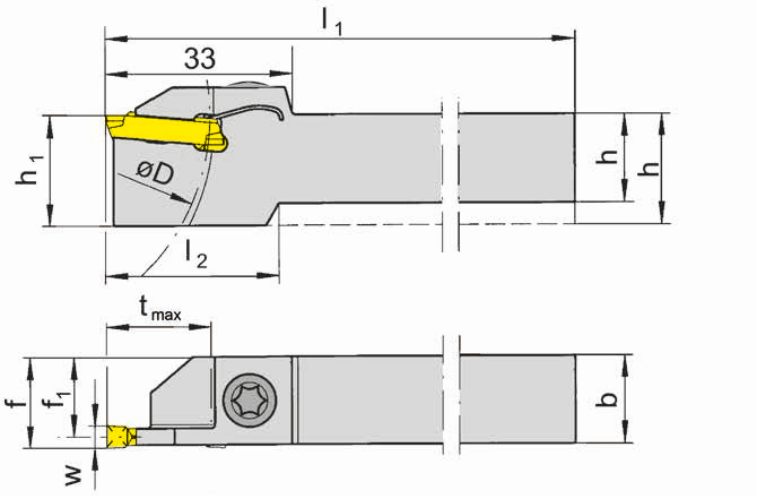
w见刀片
w see indexable inserts

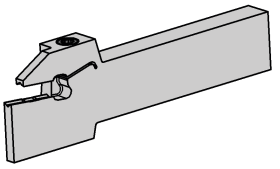
G

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
RH224.1212.81	**6.17T25P**	**T25PQ**







R=右手型-如图
R = right hand version shown

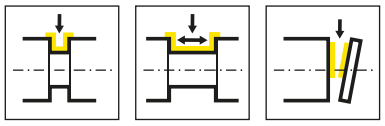
L=左手型
L = left hand version

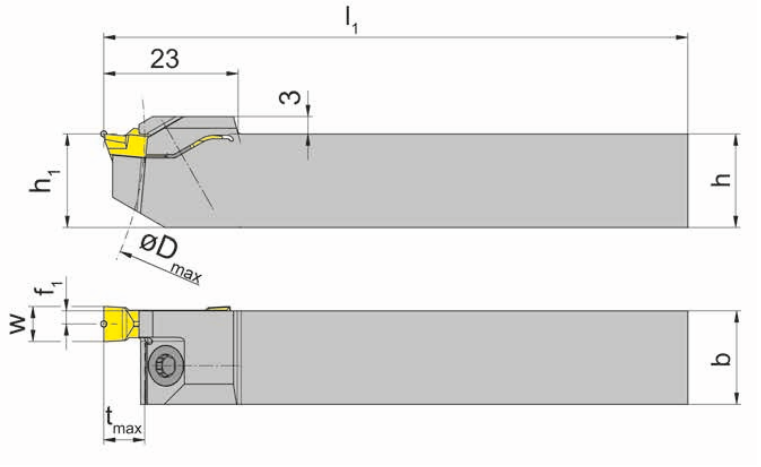
产品型号 Part number	h	b	l_1	h_1	f_1	f	t_{max}	D_{max}	夹持范围 Clamping range	HWS
RH224.1616.24	16	16	125	20	14.55	f_1+w/2	18	80	3.7-4.4	224048
RH224.2020.24	20	20	125	20	18.55	f_1+w/2	18	80	3.7-4.4	224048
RH224.2525.24	25	25	150	25	23.5	f_1+w/2	18	80	3.7-4.4	224048
RH224.1616.25	16	16	125	20	14.15	f_1+w/2	18	80	4.4-5.1	224058
RH224.2020.25	20	20	125	20	18.15	f_1+w/2	18	80	4.4-5.1	224058
RH224.2525.25	25	25	150	25	23.15	f_1+w/2	18	80	4.4-5.1	224058
RH224.1616.26	16	16	125	20	13.75	f_1+w/2	18	80	NaN-NaN	224068
RH224.2020.26	20	20	125	20	17.75	f_1+w/2	18	80	NaN-NaN	224068
RH224.2525.26	25	25	150	25	22.75	f_1+w/2	18	80	NaN-NaN	224068
LH224.1608.24	16	8	100	16	6.55	f_1+w/2	18	80	3.7-4.4	224048
LH224.1616.24	16	16	125	20	14.55	f_1+w/2	18	80	3.7-4.4	224048
LH224.2020.24	20	20	125	20	18.55	f_1+w/2	18	80	3.7-4.4	224048
LH224.2525.24	25	25	150	25	23.55	f_1+w/2	18	80	3.7-4.4	224048
LH224.1616.25	16	16	125	20	14.15	f_1+w/2	18	80	4.4-5.1	224058
LH224.2020.25	20	20	125	20	18.15	f_1+w/2	18	80	4.4-5.1	224058
LH224.2525.25	25	25	150	25	23.15	f_1+w/2	18	80	4.4-5.1	224058
LH224.1616.26	16	16	125	20	13.75	f_1+w/2	18	80	5.1-6.1	224068
LH224.2020.26	20	20	125	20	17.75	f_1+w/2	18	80	5.1-6.1	224068
LH224.2525.26	25	25	150	25	22.75	f_1+w/2	18	80	5.1-6.1	224068

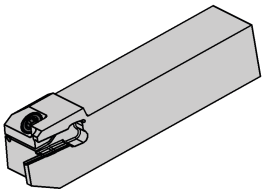
w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
LH224.1608.24	**4.15T15P**	**T15PQ**
R/LH224...	**6.23T25P**	**T25PQ**







L=左手型-如图
L = left hand version shown

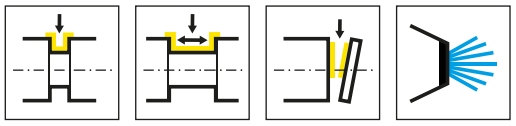
R=右手型
R = right hand version

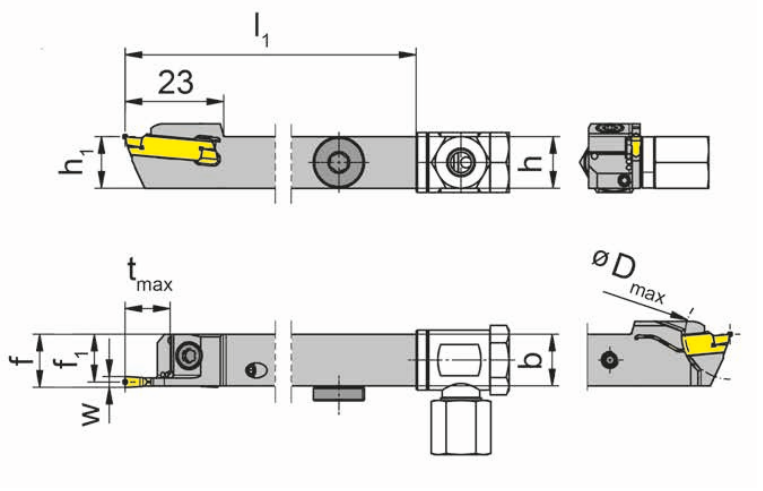
产品型号 Part number	h	b	l_1	h_1	f_1	t_{max}	D_{max}	夹持范围 Clamping range	HWS
RH224.1212.61	12	12	100	12	0.7	7	100	2.0-2.4	224018
RH224.1616.61	16	16	100	16	0.7	7	100	2.0-2.4	224018
RH224.2020.61	20	20	100	20	0.7	7	100	2.0-2.4	224018
RH224.1212.62	12	12	100	12	0.9	7	100	2.4-2.8	224028
RH224.1616.62	16	16	100	16	0.9	7	100	2.4-2.8	224028
RH224.1212.63	12	12	100	12	1.1	7	100	2.8-3.7	224038
RH224.1616.63	16	16	100	16	1.1	7	100	2.8-3.7	224038
RH224.2020.62	20	20	100	20	0.9	7	100	2.4-2.8	224028
RH224.1212.64	12	12	100	12	1.45	7	100	3.7-4.4	224048
RH224.1616.64	16	16	100	16	1.45	7	100	3.7-4.4	224048
RH224.2020.63	20	20	100	20	1.1	7	100	2.8-3.7	224038
RH224.2020.64	20	20	100	20	1.45	7	100	3.7-4.4	224048
LH224.1212.61	12	12	100	12	0.7	7	100	2.0-2.4	224018
LH224.1616.61	16	16	100	16	0.7	7	100	2.0-2.4	224018
LH224.2020.61	20	20	100	20	0.7	7	100	2.0-2.4	224018
LH224.1212.62	12	12	100	12	0.9	7	100	2.4-2.8	224028
LH224.1212.63	12	12	100	12	1.1	7	100	2.8-3.7	224038
LH224.2020.62	20	20	100	20	0.9	7	100	2.4-2.8	224028
LH224.1616.63	16	16	100	16	1.1	7	100	2.8-3.7	224038
LH224.1212.64	12	12	100	12	1.45	7	100	3.7-4.4	224048
LH224.1616.64	16	16	100	16	1.45	7	100	3.7-4.4	224048
LH224.2020.63	20	20	100	20	1.1	7	100	2.8-3.7	224038
LH224.2020.64	20	20	100	20	1.45	7	100	3.7-4.4	224048

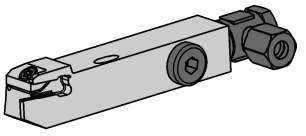
w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH224...	**4.12T15EP**	**T15PL**







R=右手型-如图
R = right hand version shown

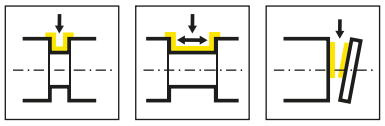
L=左手型
L = left hand version

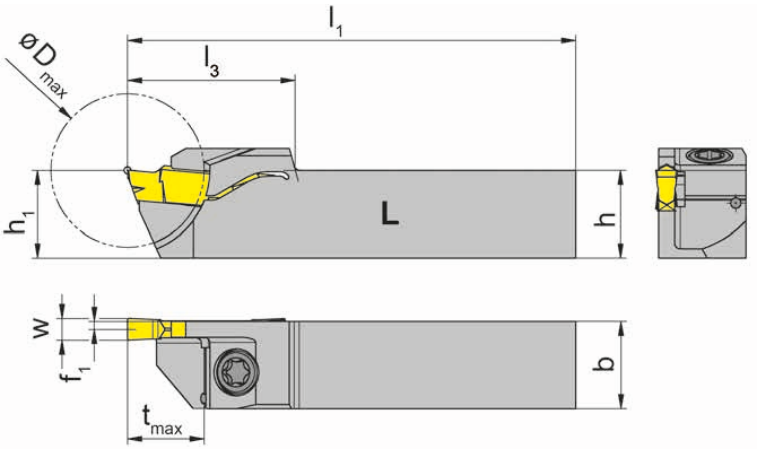
产品型号 Part number	h	b	l_1	h_1	f_1	f	t_{max}	D_{max}	夹持范围 Clamping range	HWS
RH224.1212.61.IK	12	12	100	12	0.7	f_1+w/2	7	100	2.0-2.4	224018
RH224.1616.61.IK	16	16	100	16	0.7	f_1+w/2	7	100	2.0-2.4	224018
RH224.2020.61.IK	20	20	100	20	0.7	f_1+w/2	7	100	2.0-2.4	224018
RH224.1212.62.IK	12	12	100	12	0.9	f_1+w/2	7	100	2.4-2.8	224028
RH224.1616.62.IK	16	16	100	16	0.9	f_1+w/2	7	100	2.4-2.8	224028
RH224.1212.63.IK	12	12	100	12	1.1	f_1+w/2	7	100	2.8-3.7	224038
RH224.1616.63.IK	16	16	100	16	1.1	f_1+w/2	7	100	2.8-3.7	224038
RH224.2020.63.IK	20	20	100	20	1.1	f_1+w/2	7	100	2.8-3.7	224038
LH224.1212.61.IK	12	12	100	12	0.7	f_1+w/2	7	100	2.0-2.4	224018
LH224.1616.61.IK	16	16	100	16	0.7	f_1+w/2	7	100	2.0-2.4	224018
LH224.2020.61.IK	20	20	100	20	0.7	f_1+w/2	7	100	2.0-2.4	224018
LH224.1616.62.IK	16	16	100	16	0.9	f_1+w/2	7	100	2.4-2.8	224028
LH224.1212.63.IK	12	12	100	12	1.1	f_1+w/2	7	100	2.8-3.7	224038
LH224.1616.63.IK	16	16	100	16	1.1	f_1+w/2	7	100	2.8-3.7	224038
LH224.2020.63.IK	20	20	100	20	1.1	f_1+w/2	7	100	2.8-3.7	224038

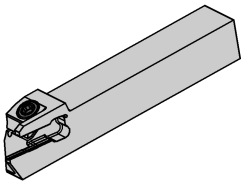
w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	冷却液供应 Coolant supply	TORX PLUS®扳手 TORX PLUS® Wrench	螺钉 Screw Plug
R/LH224.1212.61.	**4.12T15EP**	**004.00.22**	**T15PQ**	
R/LH224...	**4.12T15EP**	**004.00.16**	**T15PQ**	**004.00.26**







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

产品型号 Part number	h	b	l_1	l_3	h_1	f_1	t_{max}	D_{max}	夹持范围 Clamping range	HWS
RH224.1212.20.61	12	12	100	23	12	0.7	10.5	21	2.0-2.4	224018
RH224.1212.20.62	12	12	100	23	12	0.9	10.5	21	2.4-2.8	224028
RH224.1212.20.63	12	12	100	23	12	1.1	10.5	21	2.8-3.7	224038
LH224.1212.20.61	12	12	100	23	12	0.7	10.5	21	2.0-2.4	224018
LH224.1212.20.62	12	12	100	23	12	0.9	10.5	21	2.4-2.8	224028
LH224.1212.20.63	12	12	100	23	12	1.1	10.5	21	2.8-3.7	224038

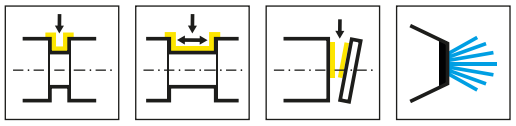
w见刀片
w see indexable inserts

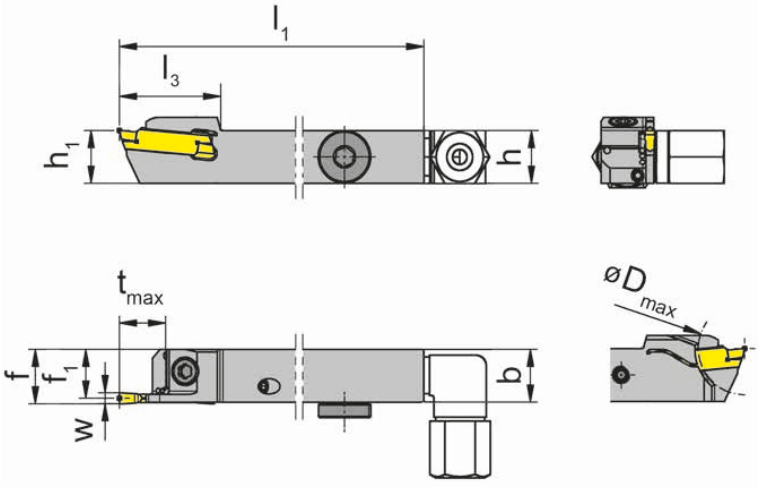
G

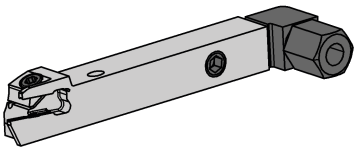
配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LH224...	**4.12T15EP**	**T15PQ**

H224







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

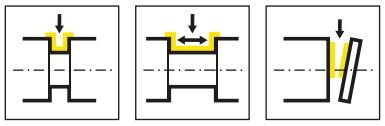
产品型号 Part number	h	b	l_1	l_3	h_1	f_1	f	t_{max}	D_{max}	夹持范围 Clamping range	HWS
RH224.1212.20.61.IK	12	12	100	23	12	0.7	f_1+w/2	10.5	21	2.0-2.4	224018
RH224.1212.20.62.IK	12	12	100	23	12	0.9	f_1+w/2	10.5	21	2.4-2.8	224028
RH224.1212.20.63.IK	12	12	100	23	12	1.1	f_1+w/2	10.5	21	2.8-3.7	224038
LH224.1212.20.61.IK	12	12	100	23	12	0.7	f_1+w/2	10.5	21	2.0-2.4	224018
LH224.1212.20.63.IK	12	12	100	23	12	1.1	f_1+w/2	10.5	21	2.8-3.7	224038

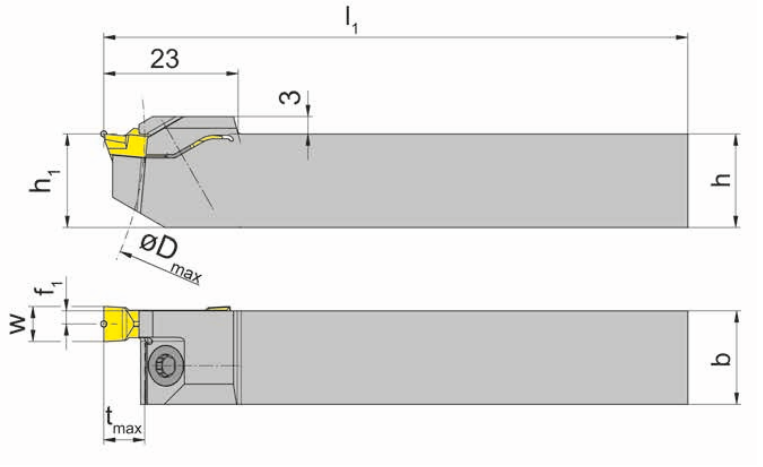
w见刀片
w see indexable inserts

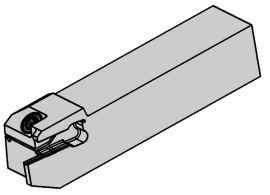
G

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**冷却液供应** Coolant supply	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LH224...	**4.12T15EP**	**004.00.22**	**T15PL**







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

产品型号 Part number	h	b	l_1	h_1	f_1	t_{max}	D_{max}	夹持范围 Clamping range	HWS
RH224.2020.65	20	20	100	20	1.85	7	100	4.4-5.1	224058
RH224.1616.65	16	16	100	16	1.85	7	100	4.4-5.1	224058
RH224.2020.66	20	20	100	20	2.25	7	100	5.1-6.1	224068
RH224.1616.66	16	20	125	20	2.25	7	100	5.1-6.1	224068
LH224.2020.65	20	20	100	20	1.85	7	100	4.4-5.1	224058
LH224.1616.65	16	16	100	16	1.85	7	100	4.4-5.1	224058
LH224.2020.66	20	20	100	20	2.25	7	100	5.1-6.1	224068
LH224.1616.66	16	16	100	16	2.25	7	100	5.1-6.1	224068

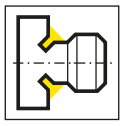
w见刀片
w see indexable inserts

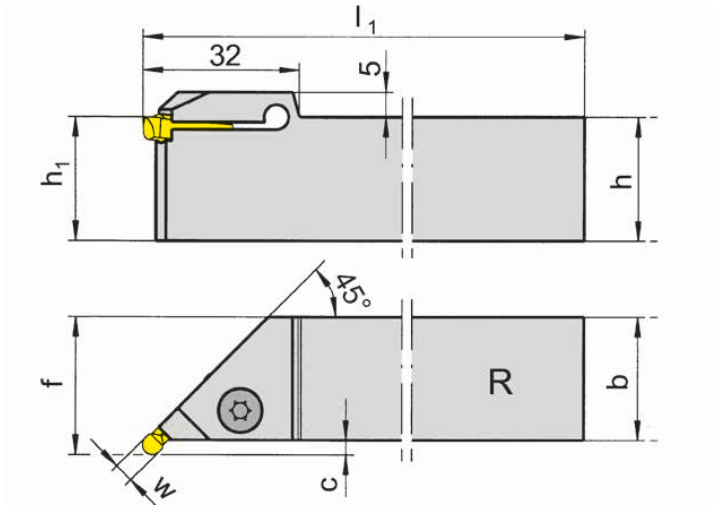
G

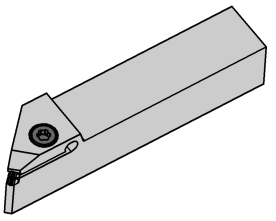
配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LH224...	**5.13T20EP**	**T20PQ**

H224







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	h_1	f	C	槽宽 Width of groove	HWS
RH224.4520.02	20	20	125	20	23	2.5	2.0-2.8	224028
RH224.4525.02	25	25	150	25	28	2.5	2.0-2.8	224028
RH224.4520.04	20	20	125	20	23	2.5	2.8-4.4	224048
RH224.4525.04	25	25	150	25	28	2.5	2.8-4.4	224048
RH224.4520.06	20	20	125	20	23.5	3	4.4-6.1	224068
RH224.4525.06	25	25	150	25	28.5	3	4.4-6.1	224068
LH224.4520.02	20	20	125	20	23	2.5	2.0-2.8	224028
LH224.4525.02	25	25	150	25	28	2.5	2.0-2.8	224028
LH224.4520.04	20	20	125	20	23	2.5	2.8-4.4	224048
LH224.4525.04	25	25	150	25	28	2.5	2.8-4.4	224048
LH224.4520.06	20	20	125	20	23.5	3	4.4-6.1	224068
LH224.4525.06	25	25	150	25	28.5	3	4.4-6.1	224068

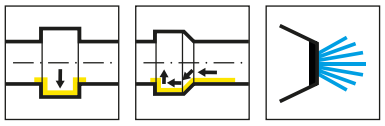
w和Dmin见可转位刀片
w and Dmin see indexable inserts

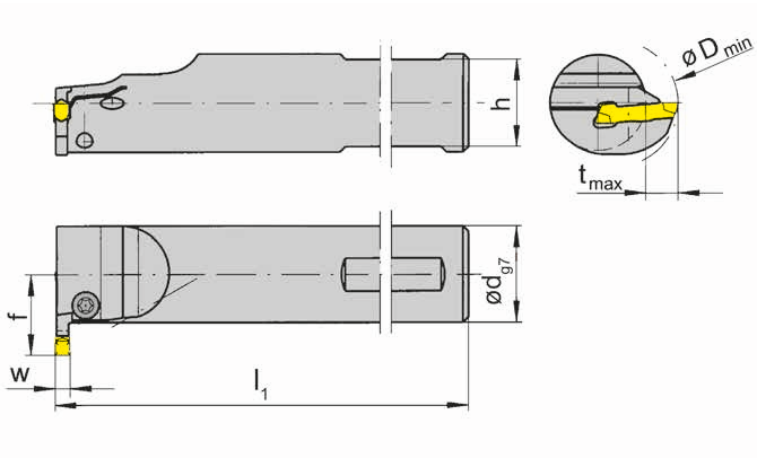
配件
Spare Parts

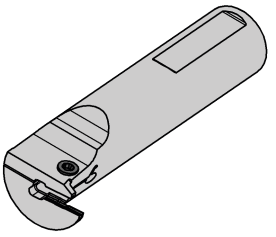
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH224...	**6.23T25P**	**T25PQ**

刀杆
Toolholder

B224







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

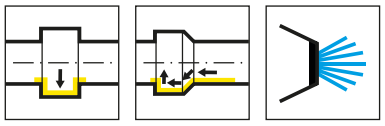
产品型号 Part number	d	l_1	h	f	t_{max}	D_{min}	HWS
RB224.0020.0.01	20	130	18	18.5	8	30	224018
RB224.0020.0.02	20	130	18	18.5	8	30	224028
RB224.0020.0.03	20	130	18	18.5	8	30	224038
RB224.0020.0.04	20	130	18	18.5	8	30	224048
RB224.0025.0.01	25	130	23	21	8	35	224018
RB224.0025.0.02	25	130	23	21	8	35	224028
RB224.0025.0.03	25	130	23	21	8	35	224038
RB224.0025.0.04	25	130	23	21	8	35	224048
RB224.0032.0.03	32	150	30	24.5	8	42	224038
RB224.0032.0.04	32	150	30	24.5	8	42	224048
LB224.0020.0.01	20	130	18	18.5	8	30	224018
LB224.0020.0.02	20	130	18	18.5	8	30	224028
LB224.0020.0.03	20	130	18	18.5	8	30	224038
LB224.0020.0.04	20	130	18	18.5	8	30	224048
LB224.0025.0.01	25	130	23	21	8	35	224018
LB224.0025.0.02	25	130	23	21	8	35	224028
LB224.0025.0.03	25	130	23	21	8	35	224038
LB224.0025.0.04	25	130	23	21	8	35	224048
LB224.0032.0.03	32	150	30	24.5	8	42	224038
LB224.0032.0.04	32	150	30	24.5	8	42	224048

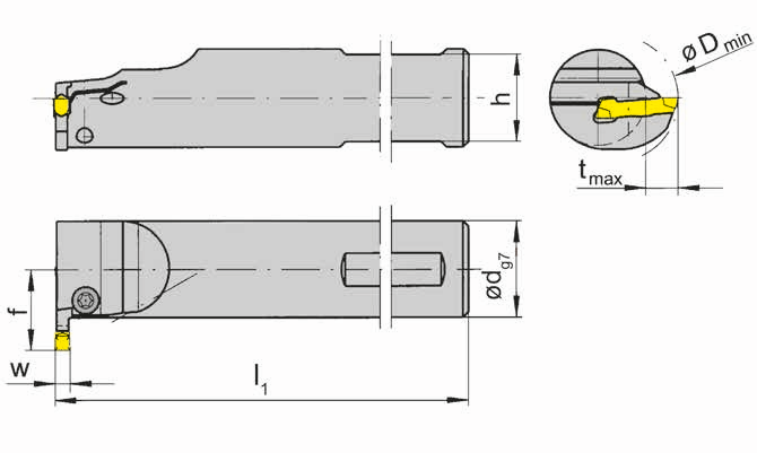
w见刀片
w see indexable inserts

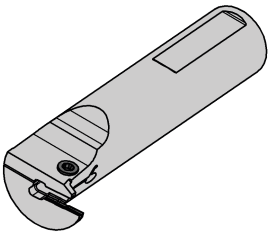
G

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LB224...	**5.13T20EP**	**T20PQ**







R=右手型-如图
R = right hand version shown

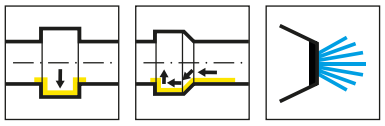
L=左手型
L = left hand version

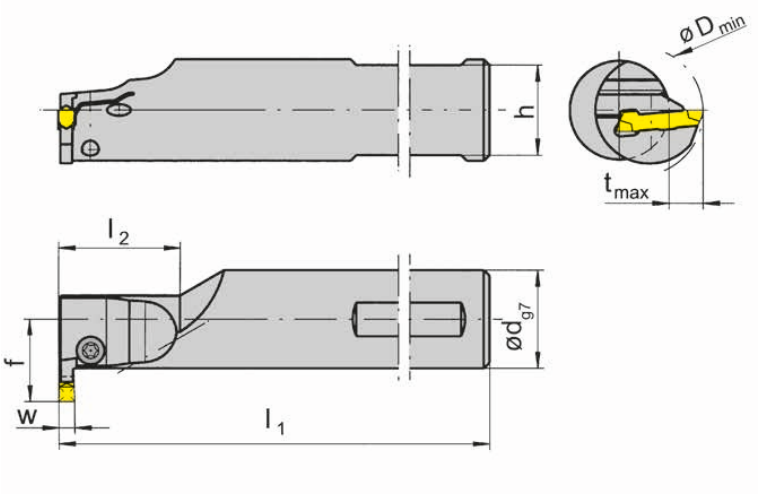
产品型号 Part number	d	l_1	h	f	t_{max}	D_{min}	HWS
RB224.0020.0.05	20	130	18	18.5	8	30	224058
RB224.0025.0.05	25	130	23	21	8	35	224058
RB224.0025.0.06	25	130	23	21	8	35	224068
RB224.0032.0.05	32	150	30	24.5	8	42	224058
RB224.0032.0.06	32	150	30	24.5	8	42	224068
LB224.0020.0.05	20	130	18	18.5	8	30	224058
LB224.0025.0.05	25	130	23	21	8	35	224058
LB224.0025.0.06	25	130	23	21	8	35	224068
LB224.0032.0.05	32	150	30	24.5	8	42	224058
LB224.0032.0.06	32	150	30	24.5	8	42	224068

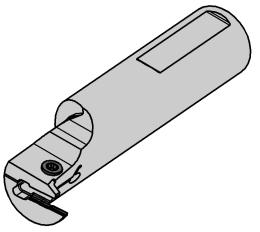
w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LB224...	**5.13T20EP**	**T20PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

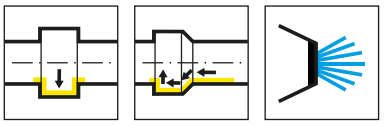
产品型号 Part number	d	l_1	l_2	h	f	t_{max}	D_{min}	HWS
RB224.0020.1.01	20	130	30	18	18.5	8	28	224018
RB224.0025.1.01	25	130	30	23	21	8	28	224018
RB224.0020.1.02	20	130	30	18	18.5	8	28	224028
RB224.0025.1.02	25	130	30	23	21	8	28	224028
RB224.0020.1.03	20	130	30	18	18.5	8	28	224038
RB224.0025.1.03	25	130	30	23	21	8	28	224038
RB224.0032.1.03	32	150	30	30	24.5	8	28	224038
RB224.0020.1.04	20	130	30	18	18.5	8	28	224048
RB224.0025.1.04	25	130	30	23	21	8	28	224048
RB224.0032.1.04	32	150	30	30	24.5	8	28	224048
RB224.0025.1.05	25	130	30	23	21	8	28	224058
RB224.0032.1.05	32	150	30	30	24.5	8	28	224058
RB224.0025.1.06	25	130	30	23	21	8	28	224068
RB224.0032.1.06	32	150	30	30	24.5	8	28	224068
LB224.0020.1.01	20	130	30	18	18.5	8	28	224018
LB224.0025.1.01	25	130	30	23	21	8	28	224018
LB224.0020.1.02	20	130	30	18	18.5	8	28	224028
LB224.0025.1.02	25	130	30	23	21	8	28	224028
LB224.0020.1.03	20	130	30	18	18.5	8	28	224038
LB224.0025.1.03	25	130	30	23	21	8	28	224038
LB224.0032.1.03	32	150	30	30	24.5	8	28	224038
LB224.0020.1.04	20	130	30	18	18.5	8	28	224048
LB224.0025.1.04	25	130	30	23	21	8	28	224048
LB224.0032.1.04	32	150	30	30	24.5	8	28	224048
LB224.0025.1.05	25	130	30	23	21	8	28	224058
LB224.0032.1.05	32	150	30	30	24.5	8	28	224058
LB224.0025.1.06	25	130	30	23	21	8	28	224068
LB224.0032.1.06	32	150	30	30	24.5	8	28	224068

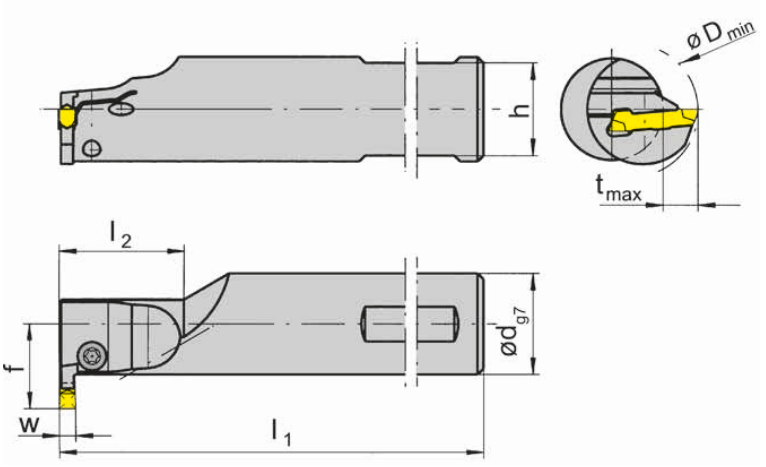
w见刀片
w see indexable inserts

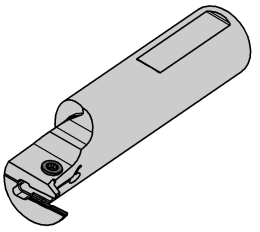
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LB224...	**5.13T20EP**	**T20PQ**

B224







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

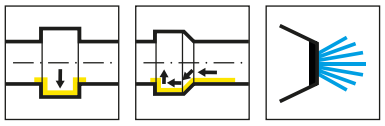
产品型号 Part number	d	l_1	l_2	h	f	t_{max}	D_{min}	HWS
RB224.0025.1.13	25	130	30	23	23.5	10	32	224038
RB224.0032.1.13	32	150	30	30	28	11	32	224038
RB224.0025.1.14	25	130	30	23	23.5	10	32	224048
RB224.0032.1.14	32	150	30	30	28	11	32	224048
RB224.0032.1.15	32	150	30	30	28	11	32	224058
RB224.0040.1.25	40	180	30	38	34	13	38	224058
RB224.0032.1.16	32	150	30	30	28	11	32	224068
RB224.0040.1.26	40	180	30	38	34	13	38	224068
LB224.0025.1.13	25	130	30	23	23.5	10	32	224038
LB224.0032.1.13	32	150	30	30	28	11	32	224038
LB224.0025.1.14	25	130	30	23	23.5	10	32	224048
LB224.0032.1.14	32	150	30	30	28	11	32	224048
LB224.0032.1.15	32	150	30	30	28	11	32	224058
LB224.0040.1.25	40	180	30	38	34	13	38	224058
LB224.0032.1.16	32	150	30	30	28	11	32	224068
LB224.0040.1.26	40	180	30	38	34	13	38	224068

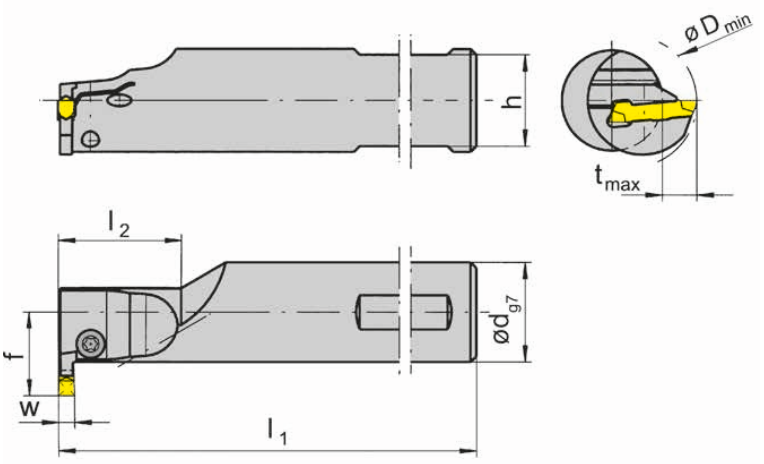
w见刀片
w see indexable inserts

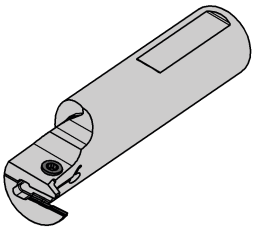
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LB224...	**5.13T20EP**	**T20PQ**

B224







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	d	l_1	l_2	h	f	t_{max}	D_{min}	HWS
RB224.0020.2.01	20	130	45	18	18.5	8	28	224018
RB224.0025.2.01	25	150	50	23	21	8	28	224018
RB224.0020.2.02	20	130	45	18	18.5	8	28	224028
RB224.0025.2.02	25	150	50	23	21	8	28	224028
RB224.0025.2.03	25	150	50	23	21	8	28	224038
RB224.0032.2.03	32	180	50	30	24.5	8	28	224038
RB224.0032.2.13	32	180	50	30	28	11	32	224038
RB224.0025.2.04	25	150	50	23	21	8	28	224048
RB224.0032.2.04	32	180	50	30	24.5	8	28	224048
RB224.0032.2.14	32	180	50	30	28	11	32	224048
LB224.0020.2.01	20	130	45	18	18.5	8	28	224018
LB224.0025.2.01	25	150	50	23	21	8	28	224018
LB224.0020.2.02	20	130	45	18	18.5	8	28	224028
LB224.0025.2.02	25	150	50	23	21	8	28	224028
LB224.0025.2.03	25	150	50	23	21	8	28	224038
LB224.0032.2.03	32	180	50	30	24.5	8	28	224038
LB224.0032.2.13	32	180	50	30	28	11	32	224038
LB224.0025.2.04	25	150	50	23	21	8	28	224048
LB224.0032.2.04	32	180	50	30	24.5	8	28	224048
LB224.0032.2.14	32	180	50	30	28	11	32	224048

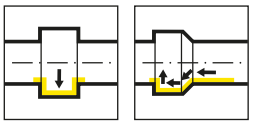
w见刀片
w see indexable inserts

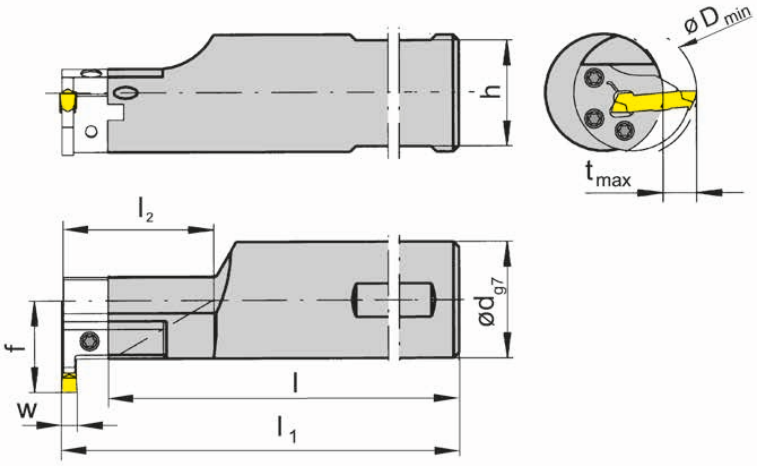
配件
Spare Parts

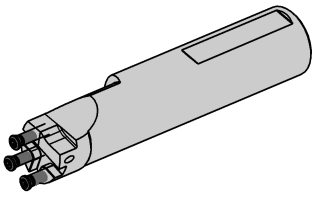
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LB224...	**5.13T20EP**	**T20PQ**

常规刀柄
Basic toolholder

B224







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	l_1	d	l	l_2	h	f	HWS
RB224.0032.1.K2	$l+b_1+w/2$	32	136.6	30	30	28	BK2241
RB224.0032.2.K2	$l+b_1+w/2$	32	166.3	60	30	28	BK2241
RB224.0040.1.K2	$l+b_1+w/2$	40	166.3	30	38	32	BK2241
RB224.0040.2.K2	$l+b_1+w/2$	40	186.3	60	38	32	BK2241
LB224.0032.1.K2	$l+b_1+w/2$	32	136.3	30	30	28	BK2242
LB224.0032.2.K2	$l+b_1+w/2$	32	166.3	60	30	28	BK2242
LB224.0040.1.K2	$l+b_1+w/2$	40	166.3	30	38	32	BK2242
LB224.0040.2.K2	$l+b_1+w/2$	40	186.3	60	38	32	BK2242

w见刀片
w see indexable inserts

Dmin，tmax，w和 b1 尺寸，见刀夹
Dimensions for Dmin, tmax and b1 see cassettes

注意事项：

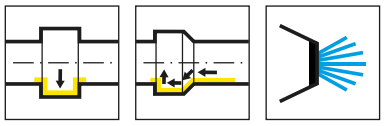
用于刀夹BK224 不提供内冷
Note:
For cassettes BK224 without coolant supply

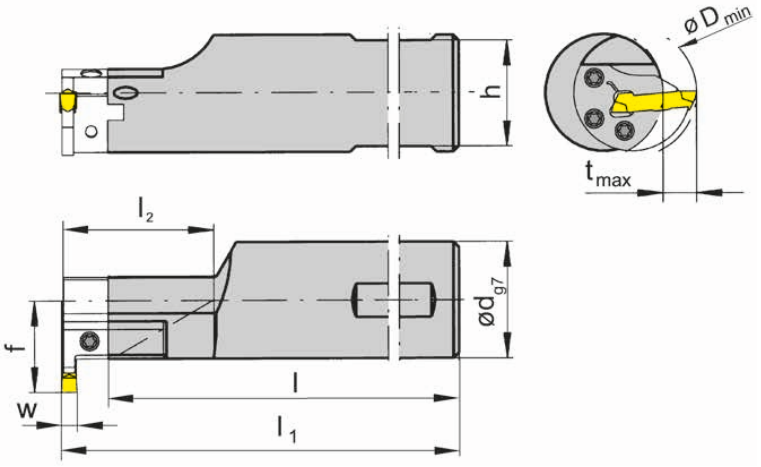
配件
Spare Parts

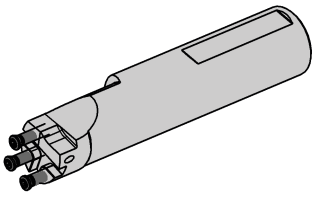
常规刀柄 Basic toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LB224...	**030.0518.T20P**	**T20PQ**

常规刀柄
Basic toolholder

B224







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	l_1	d	l	l_2	h	f	HWS
RB224.0032.1.K2.IK	$l+b_1+w/2$	32	136.6	30	30	28	BK2241
RB224.0032.2.K2.IK	$l+b_1+w/2$	32	166.3	60	30	28	BK2241
RB224.0040.1.K2.IK	$l+b_1+w/2$	40	136.3	30	38	32	BK2241
RB224.0040.2.K2.IK	$l+b_1+w/2$	40	166.3	60	38	32	BK2241
LB224.0032.1.K2.IK	$l+b_1+w/2$	32	136.6	30	30	28	BK2242
LB224.0032.2.K2.IK	$l+b_1+w/2$	32	166.3	60	30	28	BK2242
LB224.0040.1.K2.IK	$l+b_1+w/2$	40	136.3	30	38	32	BK2242
LB224.0040.2.K2.IK	$l+b_1+w/2$	40	166.3	60	38	32	BK2242

w见刀片
w see indexable inserts

Dmin，tmax，w和 b1 尺寸，见刀夹
Dimensions for Dmin, tmax and b1 see cassettes

注意事项：
用于刀夹BK224 提供内冷
Note:
For cassettes BK224 with coolant supply

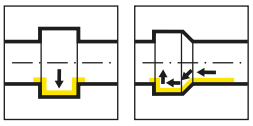
G

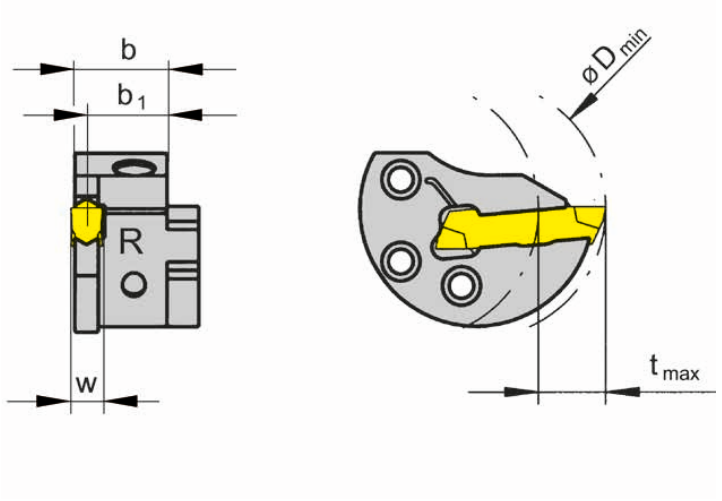
配件
Spare Parts

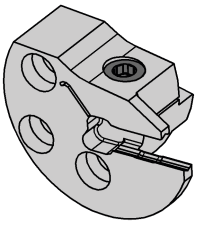
常规刀柄 Basic toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LB224...	**030.0518.T20P**	**T20PQ**

刀夹
Cassette

BK224







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	D_{min}	t_{max}	b	b_1	夹持范围 Clamping range	HWS	HMS
RBK224.0040.01	40	11	13.4	12.7	2.0-2.4	224018	B2241
RBK224.0040.02	40	11	13.35	12.45	2.4-2.8	224028	B2241
RBK224.0040.03	40	11	13.3	12.2	2.8-3.7	224038	B2241
RBK224.0040.04	40	11	13.15	11.7	3.7-4.4	224048	B2241
RBK224.0040.05	40	11	13.05	11.2	4.4-5.1	224058	B2241
RBK224.0040.06	40	11	12.95	10.7	5.1-6.1	224068	B2241
LBK224.0040.01	40	11	13.4	12.7	2.0-2.4	224018	B2242
LBK224.0040.02	40	11	13.35	12.45	2.4-2.8	224028	B2242
LBK224.0040.03	40	11	13.3	12.2	2.8-3.7	224038	B2242
LBK224.0040.04	40	11	13.15	11.7	3.7-4.4	224048	B2242
LBK224.0040.05	40	11	13.05	11.2	4.4-5.1	224058	B2242
LBK224.0040.06	40	11	12.95	10.7	5.1-6.1	224068	B2242

w见刀片
w see indexable inserts

锁紧螺钉包含在刀杆内,不需要单独订购
The fastening screw is combined with the basic toolholder - no seperate order required.

注意事项:

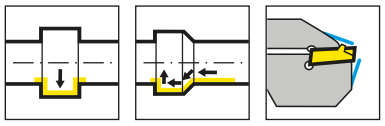
用于基础刀柄B224 **不提供内冷**
Note:
For basic toolholder B224 without coolant supply

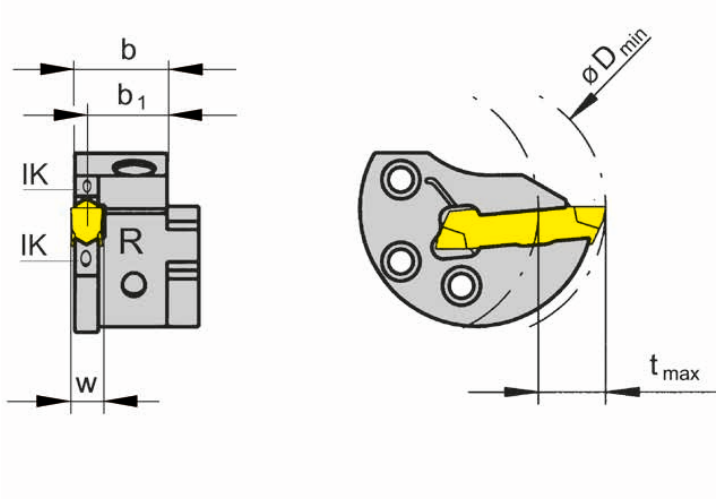
配件
Spare Parts

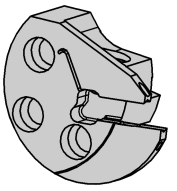
刀夹 Cassette	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LBK224...	**5.13T20EP**	**T20PQ**

刀夹
Cassette

BK224







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	D_{min}	t_{max}	b	b_1	夹持范围 Clamping range	HWS	HMS
RBK224.0040.01.IK	40	11	13.5	12.7	2.0-2.4	224018	B2241
RBK224.0040.02.IK	40	11	13.45	12.45	2.4-2.8	224028	B2241
RBK224.0040.03.IK	40	11	13.4	12.2	2.8-3.7	224038	B2241
RBK224.0040.04.IK	40	11	13.35	11.7	3.7-4.4	224048	B2241
RBK224.0040.05.IK	40	11	13.2	11.2	4.4-5.1	224058	B2241
RBK224.0040.06.IK	40	11	13.05	10.7	5.1-6.1	224068	B2241
LBK224.0040.01.IK	40	11	13.5	12.7	2.0-2.4	224018	B2242
LBK224.0040.02.IK	40	11	13.45	12.45	2.4-2.8	224028	B2242
LBK224.0040.03.IK	40	11	13.4	12.2	2.8-3.7	224038	B2242
LBK224.0040.04.IK	40	11	13.35	11.7	3.7-4.4	224048	B2242
LBK224.0040.05.IK	40	11	13.2	11.2	4.4-5.1	224058	B2242
LBK224.0040.06.IK	40	11	13.05	10.7	5.1-6.1	224068	B2242

w见刀片
w see indexable inserts

锁紧螺钉包含在刀杆内,不需要单独订购
The fastening screw is combined with the basic toolholder - no seperate order required.

注意事项:

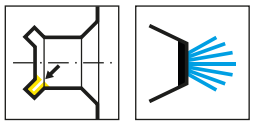
用于基础刀柄 B224 提供内冷
Note:
For basic toolholder B224 with coolant supply

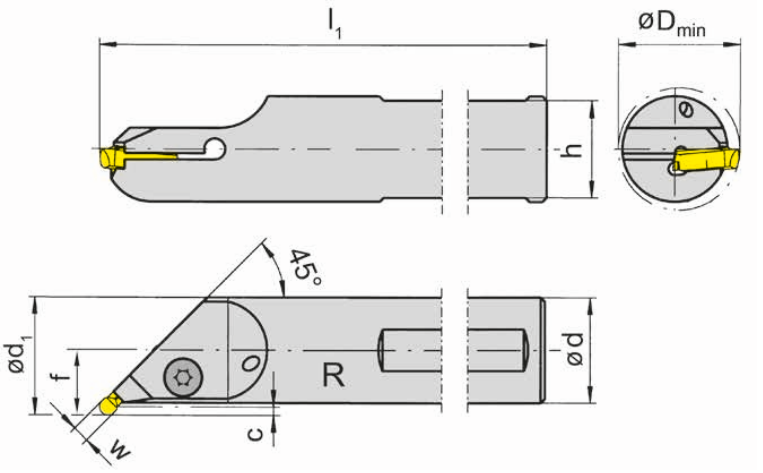
配件
Spare Parts

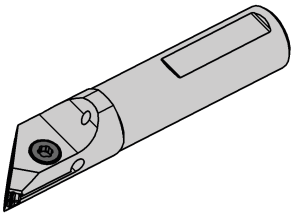
刀夹 Cassette	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LBK224...	**5.13T20EP**	**T20PQ**

G

B224







R=右手型-如图
R = right hand version shown

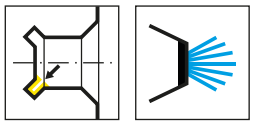
L=左手型
L = left hand version

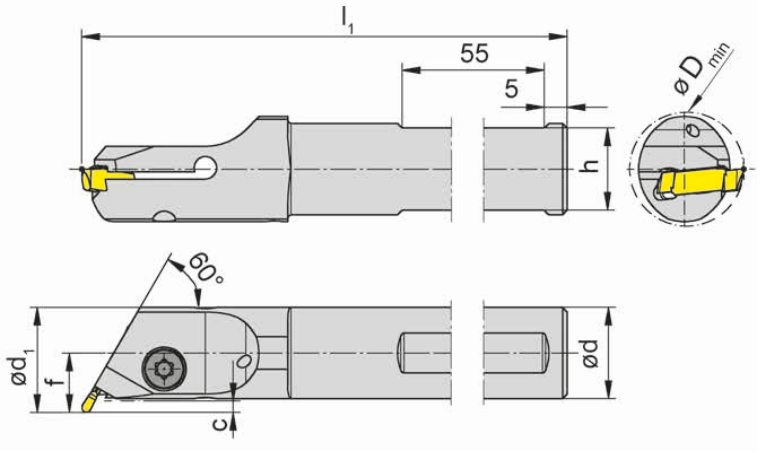
产品型号 Part number	d	h	l_1	f	C	D_{min}	d_1	槽宽 Width of groove	HWS
RB224.4520.0.02	20	18	130	13	2.5	25	23	2.0-2.8	224018 • 224028
RB224.4525.0.02	25	23	150	15.5	2.5	29	28	2.0-2.8	224018 • 224028
RB224.4532.0.02	32	30	150	19	2.5	36	35	2.0-2.8	224018 • 224028
RB224.4540.1.02	40	38	200	23	2.5	44	43	2.0-2.8	224018 • 224028
RB224.4520.0.04	20	18	130	13	2.5	25	23	2.8-4.4	224038 • 224048
RB224.4525.0.04	25	23	150	15.5	2.5	29	28	2.8-4.4	224038 • 224048
RB224.4532.0.04	32	30	150	19	2.5	36	35	2.8-4.4	224038 • 224048
RB224.4540.1.04	40	38	200	23	2.5	44	43	2.8-4.4	224038 • 224048
RB224.4520.0.06	20	18	130	13.5	3	25	23.5	4.4-6.1	224058 • 224068
RB224.4525.0.06	25	23	150	16	3	29.5	28.5	4.4-6.1	224058 • 224068
RB224.4532.0.06	32	30	150	19	3	36.5	35.5	4.4-6.1	224058 • 224068
LB224.4520.0.02	20	18	130	13	2.5	25	23	2.0-2.8	224018 • 224028
LB224.4525.0.02	25	23	150	15.5	2.5	29	28	2.0-2.8	224018 • 224028
LB224.4532.0.02	32	30	150	19	2.5	36	35	2.0-2.8	224018 • 224028
LB224.4540.1.02	40	38	200	23	2.5	44	43	2.0-2.8	224018 • 224028
LB224.4520.0.04	20	18	130	13	2.5	25	23	2.8-4.4	224038 • 224048
LB224.4525.0.04	25	23	150	15.5	2.5	29	28	2.8-4.4	224038 • 224048
LB224.4532.0.04	32	30	150	19	2.5	36	35	2.8-4.4	224038 • 224048
LB224.4540.1.04	40	38	200	23	2.5	44	43	2.8-4.4	224038 • 224048
LB224.4520.0.06	20	18	130	13.5	3	25	23.5	4.4-6.1	224058 • 224068
LB224.4525.0.06	25	23	150	16	3	29.5	28.5	4.4-6.1	224058 • 224068
LB224.4532.0.06	32	30	150	19	3	36.5	35.5	4.4-6.1	224058 • 224068

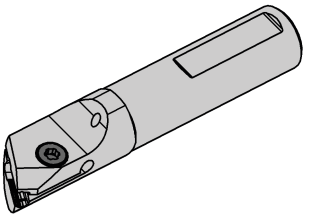
w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LB224...	**6.14T25P**	**T25PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

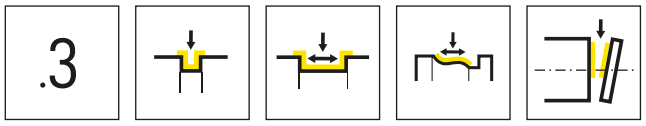
产品型号 Part number	d	h	l_1	f	C	D_{min}	d_1	槽宽 Width of groove	HWS
RB224.6020.0.02	20	18	150	13	2.5	25	23	2.0-2.8	224018 • 224028
RB224.6025.0.02	25	23	150	15.5	2.5	29	28	2.0-2.8	224018 • 224028
RB224.6032.0.02	32	30	150	19	2.5	36	35	2.0-2.8	224018 • 224028
RB224.6020.0.04	20	18	150	13	2.5	25	23	2.8-4.4	224038 • 224048
RB224.6032.0.04	32	30	150	19	2.5	36	35	2.8-4.4	224038 • 224048
RB224.6020.0.06	20	18	150	13.5	3	25	23.5	4.4-6.1	224058 • 224068
RB224.6032.0.06	32	30	150	19.5	3	36.5	35.5	4.4-6.1	224068
LB224.6020.0.02	20	18	150	13	2.5	25	23	2.0-2.8	224018 • 224028
LB224.6025.0.02	25	23	150	15.5	2.5	29	28	2.0-2.8	224018 • 224028
LB224.6032.0.02	32	30	150	19	2.5	36	35	2.0-2.8	224018 • 224028
LB224.6020.0.04	20	18	150	13	2.5	25	23	2.8-4.4	224038 • 224048
LB224.6025.0.04	25	23	150	15.5	2.5	29	28	2.8-4.4	224038 • 224048
LB224.6032.0.04	32	30	150	19	2.5	36	35	2.8-4.4	224038 • 224048
LB224.6020.0.06	20	18	150	13.5	3	25	23.5	4.4-6.1	224058 • 224068
LB224.6025.0.06	25	23	150	16	3	29.5	28.5	4.4-6.1	224058 • 224068
LB224.6032.0.06	32	30	150	19.5	3	36.5	35.5	4.4-6.1	224058 • 224068

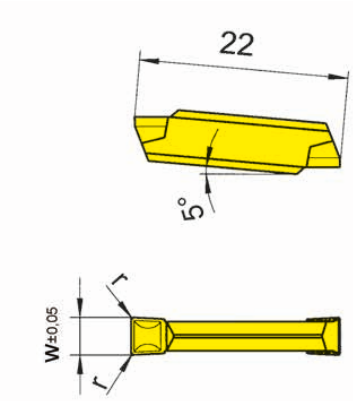
配件
Spare Parts

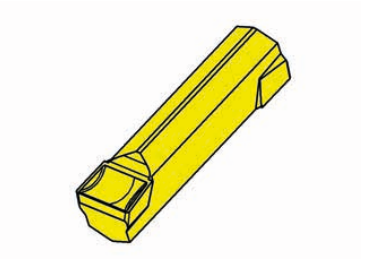
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LB224.6...	**6.14T25P**	**T25PQ**
LB224.6025.0....	**6.14T25P**	**T25PQ**

可转位刀片
Indexable insert

S224







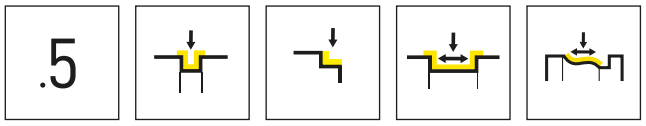
硬质合金牌号
Carbide grades

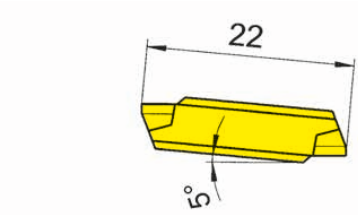
▲ 库存 on stock　　Δ 4周 4 weeks

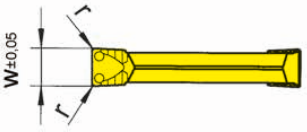
产品型号 Part number	w	r	HIS	AL96	AS62	AS66	H54	IG66	TC92	TF45	TI22	TI25	TN32	TN35
S224.0300.32	3	0.2	224038	▲	▲	▲	Δ	▲	▲	▲	Δ	▲	▲	▲
S224.0300.34	3	0.4	224038	▲	▲	▲	Δ	▲	▲	▲		▲	▲	▲
S224.0400.32	4	0.2	224048	Δ	▲	▲	Δ	▲	Δ	▲		▲	▲	▲
S224.0400.34	4	0.4	224048	▲	▲	▲	Δ	▲	▲	▲	Δ	▲	▲	▲
S224.0500.34	5	0.4	224058	▲	▲	▲	Δ	▲		▲	Δ	▲	▲	▲
S224.0500.38	5	0.8	224058	Δ	▲	▲	Δ	▲		▲		▲	Δ	Δ
S224.0600.34	6	0.4	224068	Δ	▲	▲	Δ	▲	Δ	▲		▲	▲	▲
S224.0600.38	6	0.8	224068	Δ	▲	▲	Δ	▲	Δ	▲		Δ		▲
P				●	●	●	●	●	●	●	●	●	●	●
M				-	-	o	●	●	-	●	-	●	-	●
K				●	-	●	-	-	-	●	-	●	-	●
N				●	-	●	-	-	-	●	-	●	-	●
S				-	-	o	-	o	-	●	-	●	-	●
H				-	-	-	-	-	-	-	-	-	-	-

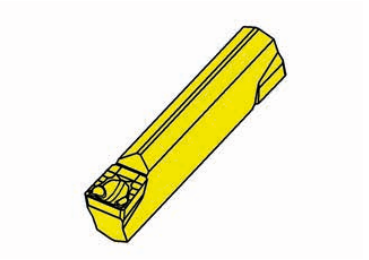
可转位刀片
Indexable insert

S224









硬质合金牌号
Carbide grades

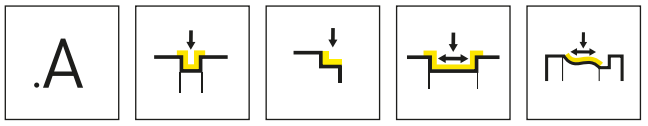
▲ 库存 on stock　　Δ 4周 4 weeks

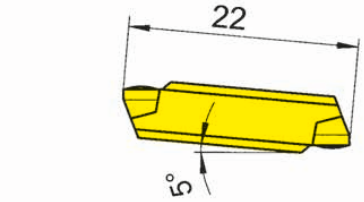
产品型号 Part number	w	r	HIS	AL96	AS62	AS66	EG56	H54	IG66	TC92	TF45	TI25	TN32	TN35
S224.0200.52	2	0.2	224018		▲	▲	▲		▲					
S224.0250.52	2.5	0.2	224028		▲	▲	▲		▲					
S224.0300.52	3	0.2	224038	Δ	▲	▲	▲	Δ	▲	▲	▲	▲	▲	▲
S224.0300.54	3	0.4	224038	▲	▲	▲	▲	Δ	▲	▲	▲	▲	▲	▲
S224.0400.52	4	0.2	224048	▲	▲	▲	▲	Δ	▲	Δ	▲	▲	▲	▲
S224.0400.54	4	0.4	224048	▲	▲	▲	▲	Δ	▲	▲	▲	▲	▲	▲
S224.0500.54	5	0.4	224058	Δ	▲	▲	▲	Δ	▲	▲	▲	▲	▲	▲
S224.0500.58	5	0.8	224058	Δ	▲	▲	Δ	Δ	▲		Δ	▲	Δ	Δ
S224.0600.54	6	0.4	224068	Δ	▲	▲	▲	Δ	▲		▲	▲	Δ	▲
S224.0600.58	6	0.8	224068	Δ	▲	▲	Δ	Δ	▲	Δ	Δ	Δ	Δ	Δ
P				●	●	●	●	●	●	●	●	●	●	●
M				-	-	o	o	●	●	-	●	●	-	●
K				●	-	●	o	-	-	-	●	●	-	●
N				●	-	●	-	-	-	-	●	●	-	●
S				-	-	o	-	-	o	-	●	●	-	●
H				-	-	-	-	-	-	-	-	-	-	-

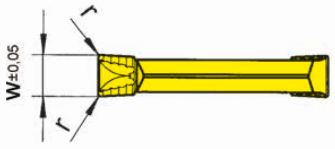
G

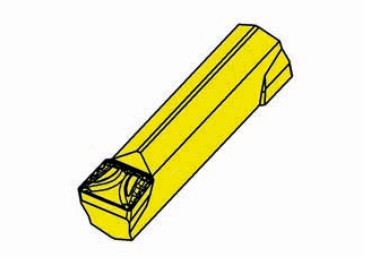
可转位刀片
Indexable insert

S224









硬质合金牌号
Carbide grades

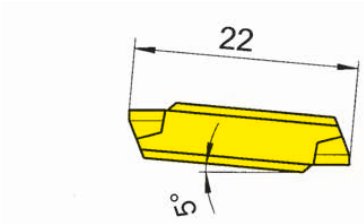
▲ 库存 on stock　　Δ 4周 4 weeks

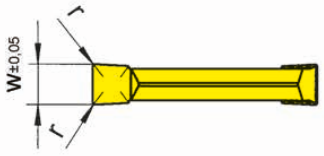
产品型号 Part number	w	r	HIS	AL96	AS62	AS65	TC92	TF45	TI22	TI25	TN32	TN35
S224.0300.A2	3	0.2	224038	▲	▲			▲	Δ	▲	Δ	▲
S224.0300.A4	3	0.4	224038	Δ	▲		Δ	▲	Δ	▲	▲	▲
S224.0400.A2	4	0.2	224048	Δ	▲		Δ	Δ	Δ	▲	Δ	▲
S224.0400.A4	4	0.4	224048		▲	▲	Δ	▲	Δ	▲	Δ	▲
S224.0500.A4	5	0.4	224058	Δ	▲			▲		▲	▲	▲
S224.0500.A8	5	0.8	224058	Δ	▲		Δ	Δ		Δ	▲	Δ
S224.0600.A4	6	0.4	224068	Δ	▲		Δ	Δ		▲		▲
S224.0600.A8	6	0.8	224068	Δ	▲		Δ	Δ		Δ	Δ	▲
P				●	●	●	●	●	●	●	●	●
M				-	-	o	-	●	-	●	-	●
K				●	-	o	-	●	-	●	-	●
N				●	-	-	-	●	-	●	-	●
S				-	-	-	-	●	-	●	-	●
H				-	-	-	-	-	-	-	-	-

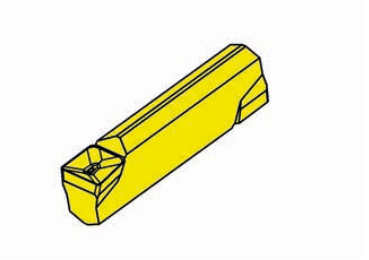
可转位刀片
Indexable insert

S224

.D





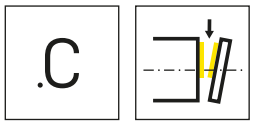


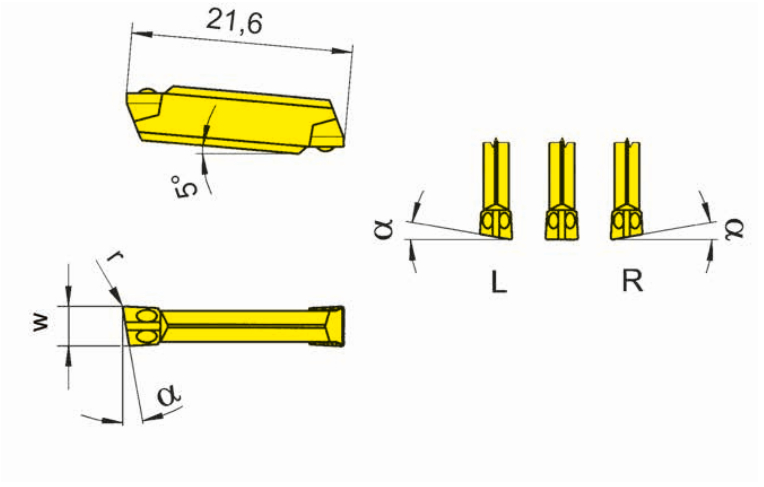
硬质合金牌号
Carbide grades

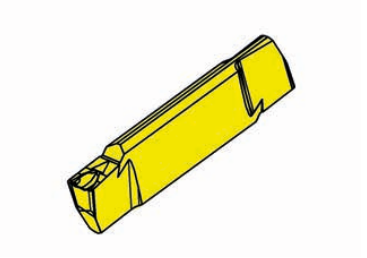
▲ 库存 on stock　　Δ 4周 4 weeks

产品型号 Part number	w	r	HIS	H54	IG66	TF45	TF46	TI22	TI25	TN32	TN35
S224.0200.D2	2	0.2	224018	▲	▲	▲	▲		▲	▲	▲
S224.0200.D2.G	2	0.2	224018		▲		▲	▲			
S224.0250.D2	2.5	0.2	224028	Δ	▲	▲	▲		▲	▲	▲
S224.0250.D2.G	2.5	0.2	224028		▲		▲	▲			
S224.0300.D2	3	0.2	224038	▲	▲	▲	▲		▲	▲	▲
S224.0300.D2.G	3	0.2	224038		▲	▲	▲	▲			
S224.0400.D2	4	0.2	224048	Δ	▲	▲	▲		▲	Δ	▲
S224.0400.D2.G	4	0.2	224048		▲		▲	▲			
P				●	●	●	●	●	●	●	●
M				●	●	●	o	-	●	-	●
K				-	-	●	●	-	●	-	●
N				-	-	●	●	-	●	-	●
S				-	o	●	o	-	●	-	●
H				-	-	-	-	-	-	-	-

G







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

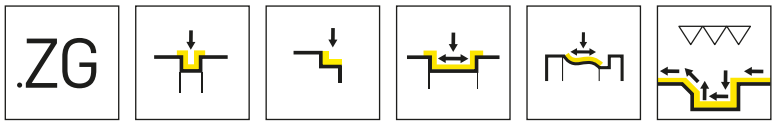
▲ 库存
on stock

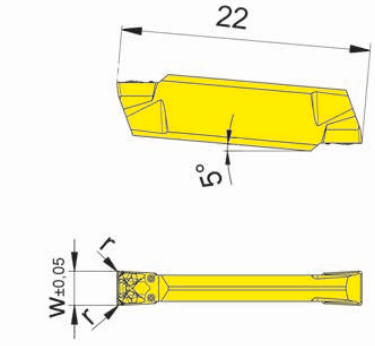
Δ 4周
4 weeks

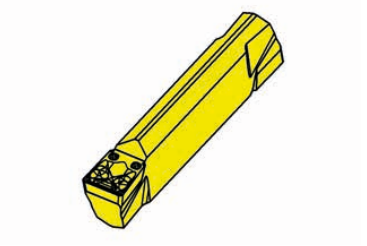
产品型号 Part number	w	r	α	HIS	TC92	TF45	TI25	TN35
RS224.0520.C1	2	0.15	5°	224018	Δ	▲		▲
RS224.0820.C1	2	0.15	8°	224018	Δ	▲		Δ
RS224.1520.C1	2	0.15	15°	224018	Δ	▲		▲
RS224.0525.C1	2.5	0.15	5°	224028	Δ	▲		Δ
RS224.0825.C1	2.5	0.15	8°	224028	Δ	▲		Δ
RS224.0530.C1	3	0.15	5°	224038	Δ	▲		▲
RS224.0830.C1	3	0.15	8°	224038	Δ	▲		▲
LS224.0520.C1	2	0.15	5°	224018	Δ	▲		▲
LS224.0820.C1	2	0.15	8°	224018	Δ	▲		Δ
LS224.1520.C1	2	0.15	15°	224018	Δ	▲		▲
LS224.0525.C1	2.5	0.15	5°	224028	Δ	▲		Δ
LS224.0825.C1	2.5	0.15	8°	224028	Δ	▲		Δ
LS224.0530.C1	3	0.15	5°	224038	Δ	▲		▲
LS224.0830.C1	3	0.15	8°	224038	Δ	▲		▲
S224.0020.C1	2	0.15	0°	224018	▲	▲	▲	▲
S224.0025.C1	2.5	0.15	0°	224028	Δ	▲	▲	▲
S224.0030.C1	3	0.15	0°	224038	Δ	▲	▲	▲
				P	●	●	●	●
				M	-	●	●	●
				K	-	●	●	●
				N	-	●	●	●
				S	-	●	●	●
				H	-	-	-	-

可转位刀片
Indexable insert

S224







硬质合金牌号
Carbide grades

▲ 库存
on stock

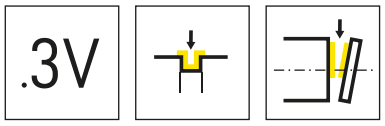
Δ 4周
4 weeks

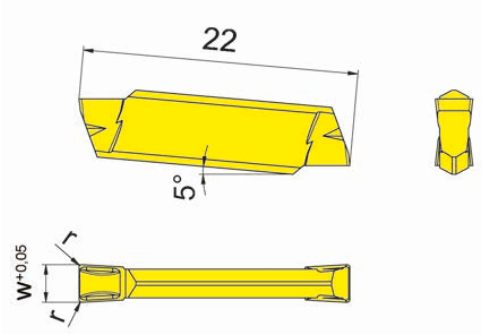
产品型号 Part number	w	r	HIS		ALXT	IG6T
S224.0300.ZG2	3	0.2	224038		▲	
S224.0400.ZG4	4	0.4	224048		▲	▲
				P	●	●
				M	o	●
				K	-	-
				N	-	-
				S	-	o
				H	-	-

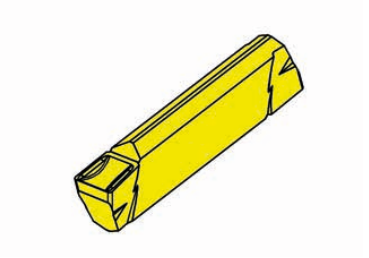
G

可转位刀片
Indexable insert

S224







硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	HIS		AS45	HP65	IG35
S224.0200.3V2	2	0.2	224018		▲	▲	▲
S224.0250.3V2	2.5	0.2	224028		▲	▲	▲
S224.0300.3V2	3	0.2	224038		▲	▲	▲
S224.0400.3V3	4	0.3	224048		▲	▲	▲
				P	●	●	-
				M	●	●	●
				K	●	●	-
				N	o	o	-
				S	●	●	●
				H	-	-	-

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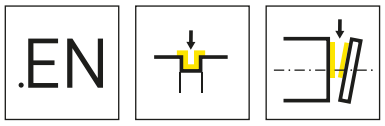
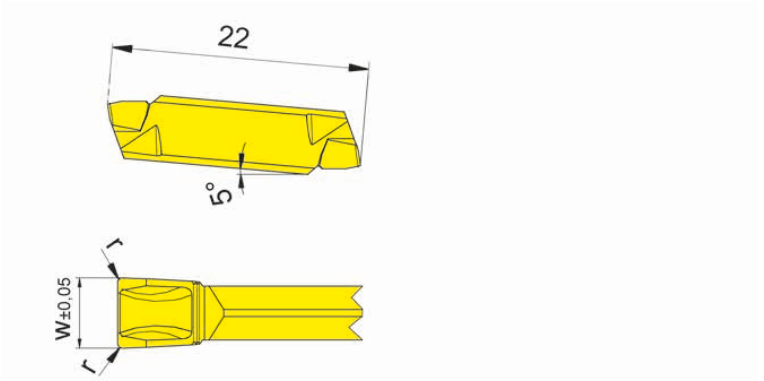
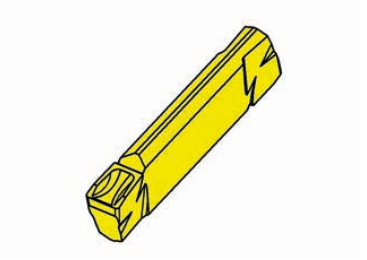
可转位刀片
Indexable insert

S224







硬质合金牌号
Carbide grades

▲ 库存
on stock

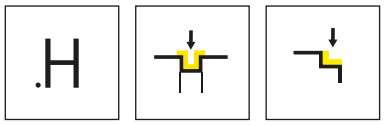
Δ 4周
4 weeks

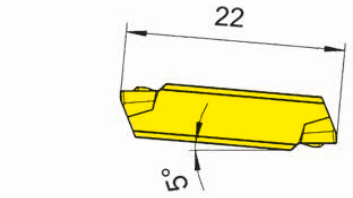
产品型号 Part number	w	r	HIS	AS62	AS65
S224.0200.EN2	2	0.2	224018	▲	
S224.0250.EN2	2.5	0.2	224028	▲	
S224.0300.EN2	3	0.2	224038	▲	▲
				P ●	●
				M -	o
				K -	o
				N -	-
				S -	-
				H -	-

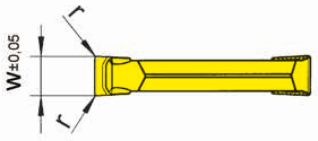
G

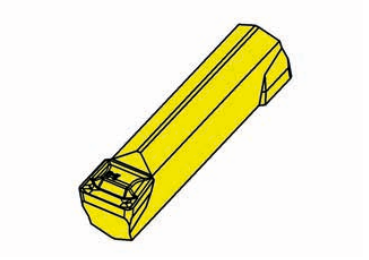
可转位刀片
Indexable insert

S224









硬质合金牌号
Carbide grades

▲ 库存
on stock

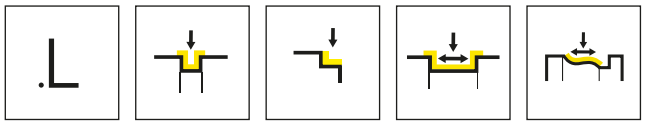
Δ 4周
4 weeks

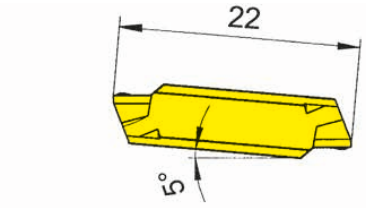
产品型号 Part number	w	r	HIS	AL96	TF42
S224.0300.H4	3	0.4	224038	▲	▲
S224.0400.H4	4	0.4	224048	Δ	▲
S224.0500.H6	5	0.6	224058	▲	▲
S224.0500.H8	5	0.8	224058	Δ	
S224.0600.H6	6	0.6	224068		Δ
S224.0600.H8	6	0.8	224068		Δ
			P	●	●
			M	-	-
			K	●	-
			N	●	-
			S	-	-
			H	-	-

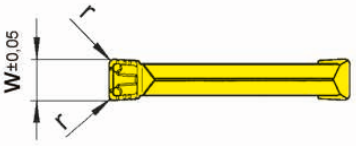
G

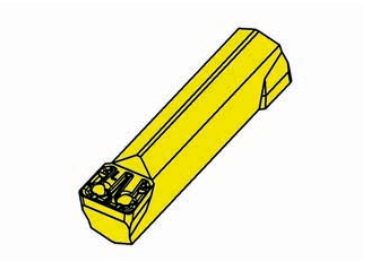
可转位刀片
Indexable insert

S224









硬质合金牌号
Carbide grades

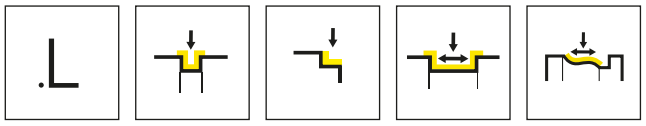
▲ 库存 on stock　　Δ 4周 4 weeks

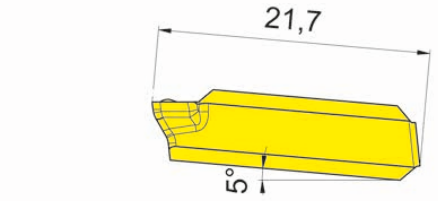
产品型号 Part number	w	r	HIS	AL96	AS62	AS65	AS66	ASG6	IG66	TF42	TI22
S224.0300.L4	3	0.4	224038		▲	▲	▲	▲	▲		
S224.0400.L4	4	0.4	224048	▲	▲		▲		▲	▲	▲
S224.0500.L4	5	0.4	224058	▲	▲		▲	Δ	▲	▲	▲
S224.0500.L6	5	0.6	224058	Δ	▲		▲	Δ	▲	▲	
S224.0600.L4	6	0.4	224068	Δ	▲				▲	▲	▲
S224.0600.L6	6	0.6	224068	▲	▲			Δ	▲	Δ	▲
P				●	●	●	●	●	●	●	●
M				-	-	o	o	o	●	-	-
K				●	-	o	●	o	-	-	-
N				●	-	-	●	-	-	-	-
S				-	-	-	o	-	o	-	-
H				-	-	-	-	-	-	-	-

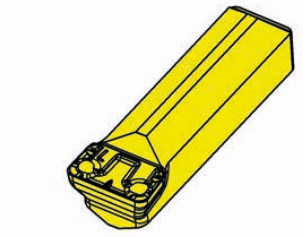
G

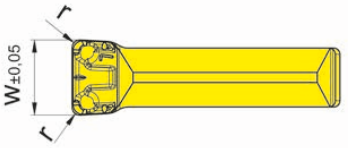
刀片
Insert

S124









硬质合金牌号
Carbide grades

▲ 库存
on stock

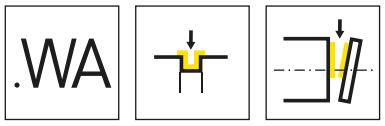
Δ 4周
4 weeks

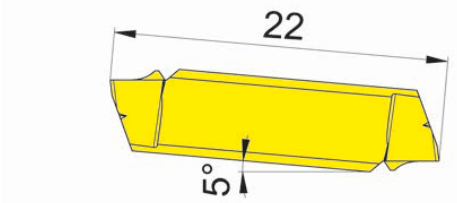
产品型号 Part number	w	r	HIS		AS42	AS46	IG66
S124.0600.L6	6	0.6	224068		Δ	▲	Δ
				P	●	o	●
				M	●	o	●
				K	●	●	-
				N	●	o	-
				S	●	o	o
				H	-	-	-

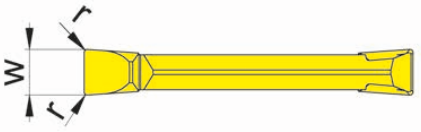
G

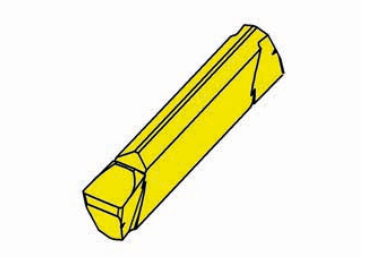
可转位刀片
Indexable insert

S224









硬质合金牌号
Carbide grades

▲ 库存
on stock

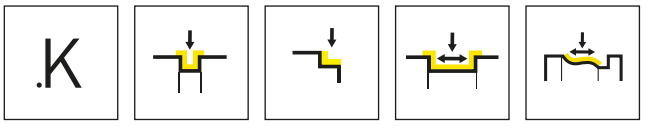
Δ 4周
4 weeks

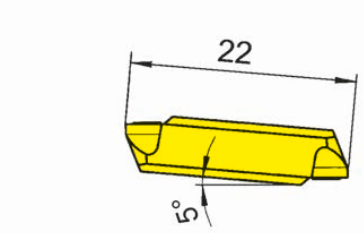
产品型号 Part number	w	r	HIS		K10	DD26
S224.0200.WA2	2	0.2	224018		▲	▲
S224.0300.WA2	3	0.2	224038		▲	▲
				P	●	-
				M	o	-
				K	●	-
				N	●	●
				S	o	o
				H	-	-

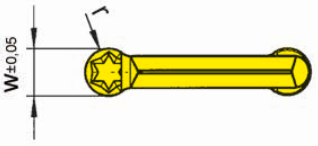
G

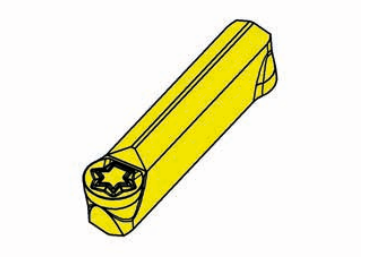
可转位刀片
Indexable insert

S224









硬质合金牌号
Carbide grades

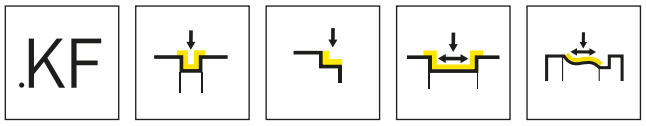
▲ 库存 on stock　　Δ 4周 4 weeks

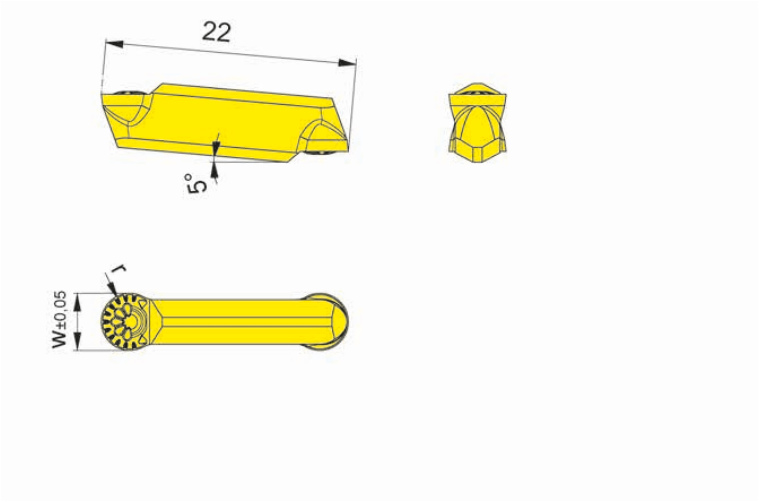
产品型号 Part number	w	r	HIS		P20	AL96	AS62	AS66	IG66	TC92	TF42	TN32	TN35
S224.0010.K2	2	1	224018				▲	▲	▲		▲		
S224.0015.K3	3	1.5	224038		Δ	▲	▲	▲	▲	▲	▲	▲	
S224.0020.K4	4	2	224048		Δ	▲	▲	▲	▲	▲	▲	▲	
S224.0025.K5	5	2.5	224058		Δ	▲	▲	▲	▲	Δ	▲	▲	Δ
S224.0030.K6	6	3	224068		Δ		▲	▲	▲				
				P	●	●	●	●	●	●	●	●	●
				M	-	-	-	o	●	-	-	-	●
				K	-	●	-	●	-	-	-	-	●
				N	-	●	-	●	-	-	-	-	●
				S	-	-	-	o	o	-	-	-	●
				H	-	-	-	-	-	-	-	-	-

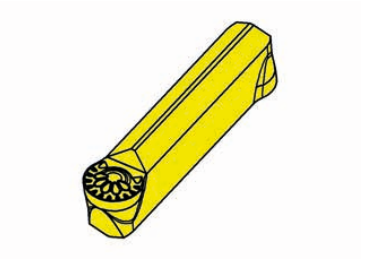
G

可转位刀片
Indexable insert

S224







硬质合金牌号
Carbide grades

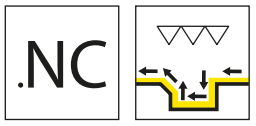
▲ 库存
on stock

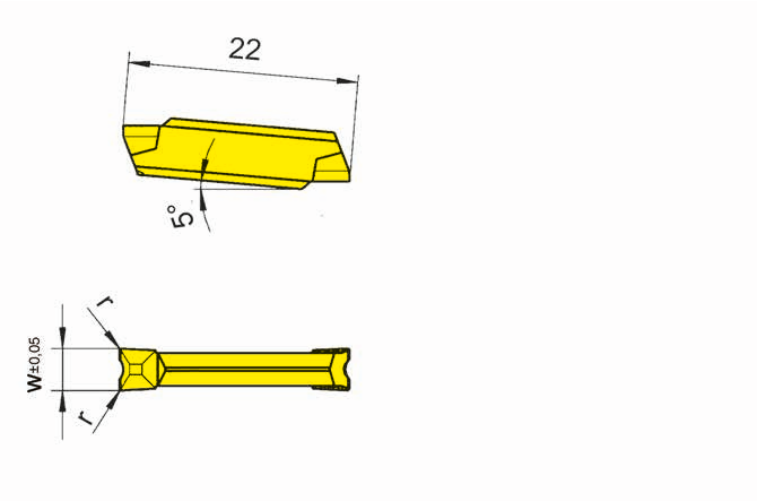
Δ 4周
4 weeks

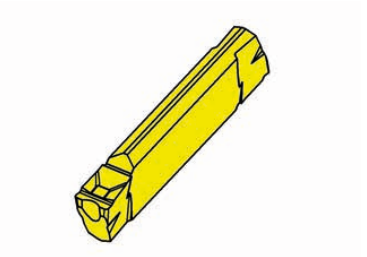
产品型号 Part number	w	r	HIS		AS62	AS66	EG55	IG66	TA42
S224.0010.KF2	2	1	224018			▲	▲		
S224.0015.KF3	3	1.5	224038			▲		▲	
S224.0020.KF4	4	2	224048			▲		▲	Δ
S224.0025.KF5	5	2.5	224058		Δ	▲		▲	
S224.0030.KF6	6	3	224068			▲		▲	
				P	●	●	●	●	●
				M	-	o	o	●	-
				K	-	●	o	-	-
				N	-	●	-	-	-
				S	-	o	-	o	-
				H	-	-	-	-	-

G

S224







硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

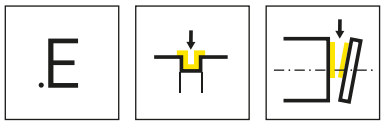
产品型号 Part number	w	r	w_x	HIS		TF46	TI22	TI25	TI26
S224.NC25.D2	2.5	0.2	3.6	224028		Δ	▲	▲	▲
S224.NC30.D2	3	0.2	4.5	224038		Δ	▲	▲	▲
					P	●	●	●	●
					M	o	-	●	o
					K	●	-	●	●
					N	●	-	●	●
					S	o	-	●	o
					H	-	-	-	-

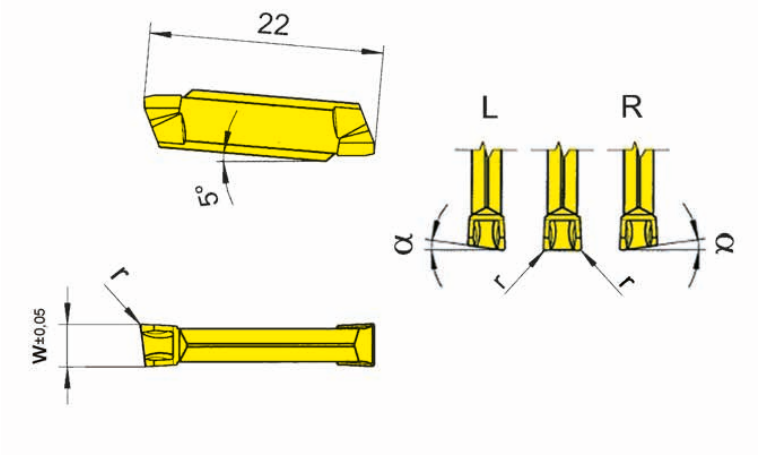
wx = 槽宽 - R(右) - R(左)
wx = width of groove - R(right) - R(left)

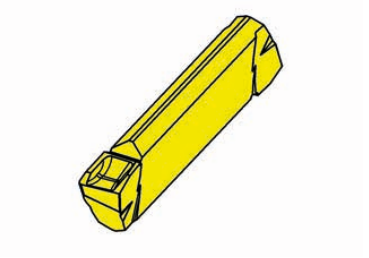
G

可转位刀片
Indexable insert

S224







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

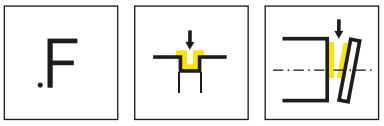
Δ 4周
4 weeks

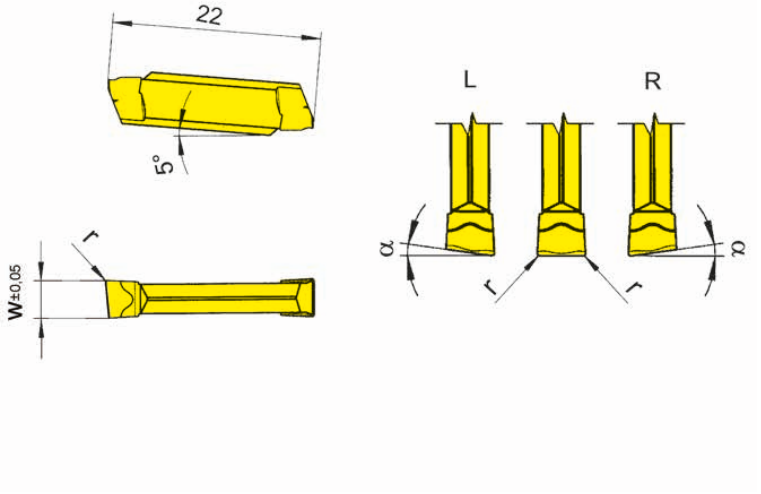
产品型号 Part number	w	r	α	HIS	AL96	AS62	TA43	TC92	TC93	TF43	TF45	TI22	TI25	TN32	TN35
RS224.0520.E2	2	0.2	5°	224018		▲		Δ	Δ	Δ					
RS224.0525.E2	2.5	0.2	5°	224028		▲		Δ	Δ	Δ	Δ				
RS224.0530.E2	3	0.2	5°	224038		▲		Δ	Δ	Δ	▲				
LS224.0520.E2	2	0.2	5°	224018		Δ		Δ	Δ	Δ	Δ				
LS224.0525.E2	2.5	0.2	5°	224028		Δ		Δ	Δ	Δ	Δ				
LS224.0530.E2	3	0.2	5°	224038		▲			Δ		▲				
S224.0200.E2	2	0.2	0°	224018		▲		Δ		▲	▲				
S224.0250.E2	2.5	0.2	0°	224028		▲		Δ	Δ	▲	▲				
S224.0300.E2	3	0.2	0°	224038	Δ	▲	Δ	Δ	Δ	▲	▲	▲	▲	Δ	Δ
S224.0300.E4	3	0.4	-	224038	Δ	▲		Δ	Δ	Δ	▲		Δ	Δ	Δ
S224.0400.E2	4	0.2	0°	224048	Δ	▲		Δ	Δ	Δ	▲		Δ	Δ	Δ
S224.0400.E4	4	0.4	-	224048	Δ	▲		Δ	Δ	Δ	▲		Δ	Δ	Δ
P					●	●	●	●	●	●	●	●	●	●	●
M					-	-	-	-	-	-	●	-	●	-	●
K					●	-	-	-	-	-	●	-	●	-	●
N					●	-	-	-	-	-	●	-	●	-	●
S					-	-	-	-	-	-	●	-	●	-	●
H					-	-	-	-	-	-	-	-	-	-	-

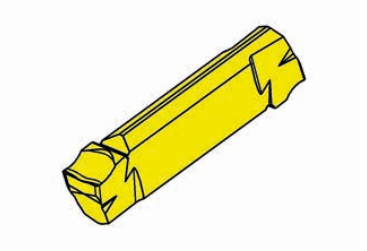
G

可转位刀片
Indexable insert

S224







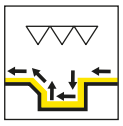
硬质合金牌号
Carbide grades

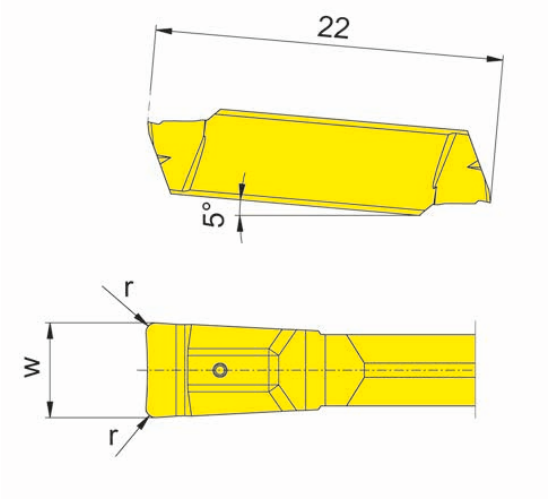
▲ 库存 on stock　　Δ 4周 4 weeks

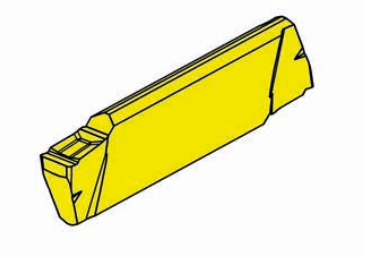
产品型号 Part number	w	r	α	HIS	AL96	TA43	TF42	TF43	TF45	TF46	TI22	TI25	TN32
RS224.0520.F2	2	0.2	5°	224018					▲	▲			
RS224.0525.F2	2.5	0.2	5°	224028				▲	▲				
RS224.0530.F2	3	0.2	5°	224038				▲	▲		Δ		
LS224.0520.F2	2	0.2	5°	224018					▲	Δ			
LS224.0525.F2	2.5	0.2	5°	224028					▲				
LS224.0530.F2	3	0.2	5°	224038				Δ	▲				
S224.0200.F2	2	0.2	0°	224018	Δ		Δ	▲	▲	▲	▲	▲	Δ
S224.0250.F2	2.5	0.2	0°	224028	Δ		Δ	Δ	▲	Δ	Δ	Δ	Δ
S224.0300.F2	3	0.2	0°	224038	Δ	Δ		▲	▲		Δ	▲	Δ
S224.0400.F2	4	0.2	0°	224048	Δ		Δ		▲		▲	Δ	Δ
				P	●	●	●	●	●	●	●	●	●
				M	-	-	-	-	●	o	-	●	-
				K	●	-	-	-	●	●	-	●	-
				N	●	-	-	-	●	●	-	●	-
				S	-	-	-	-	●	o	-	●	-
				H	-	-	-	-	-	-	-	-	-

G

.FB







硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	HIS	IG6T	H20
S224.FB20.02	2	0.2	224018	Δ	▲
S224.FB30.02	3	0.2	224038	Δ	▲

P	●	●
M	●	o
K	-	-
N	-	-
S	o	-
H	-	-

G

计算槽的最小可加工宽度 w_x
Calculation of the smallest possible width of groove w_x

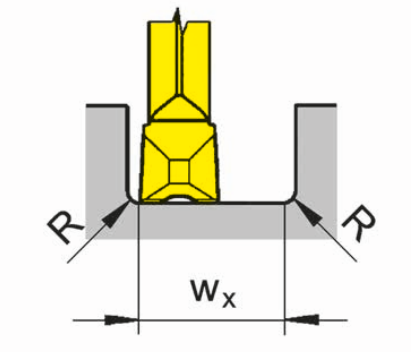
例如 S224.FB20.02
Example

w_x = 2 x 槽宽 w - 2 x 刀尖圆角 R

w_x = 2 x Width of insert w - 2 x Corner radius insert R

w_x = 2 x 2 mm - 2 x 0.2 mm

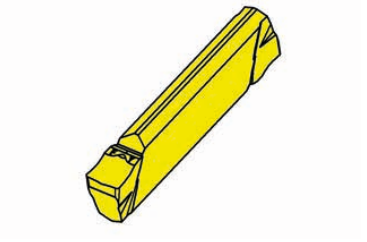
w_x = 3.6 mm



加工路径
Processing flow

S224

.FY



硬质合金牌号
Carbide grades

▲ 库存
on stock

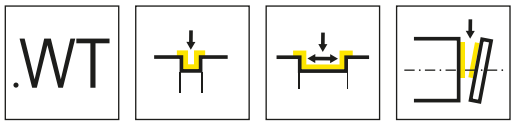
Δ 4周
4 weeks

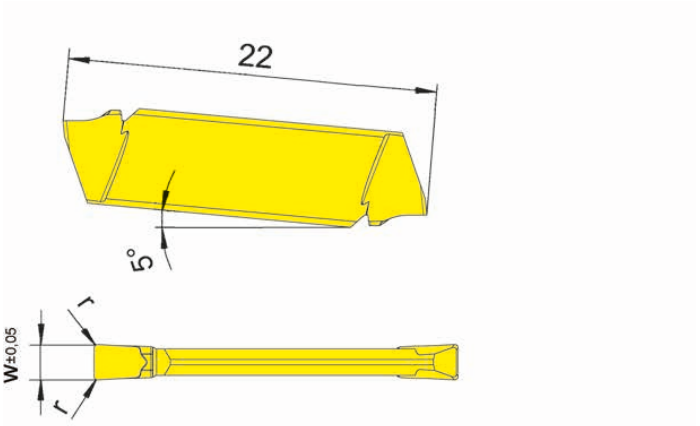
产品型号 Part number	w	r	HIS		HP65	IG35	PH35	TI25
S224.0200.FY2	2	0.2	224018		▲	▲	Δ	▲
S224.0250.FY2	2.5	0.2	224028		▲	▲	Δ	▲
S224.0300.FY2	3	0.2	224038		▲	▲	Δ	▲
				P	●	-	o	●
				M	●	●	o	●
				K	●	-	●	●
				N	o	-	-	●
				S	●	●	-	●
				H	-	-	-	-

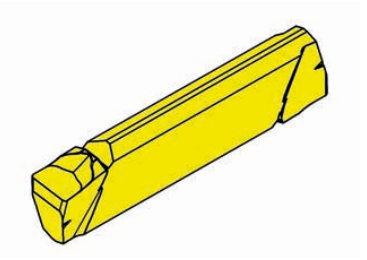
G

可转位刀片
Indexable insert

S224







硬质合金牌号
Carbide grades

▲ 库存
on stock

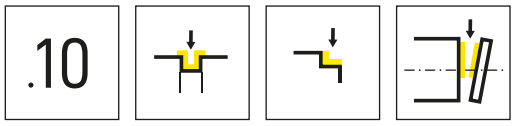
Δ 4周
4 weeks

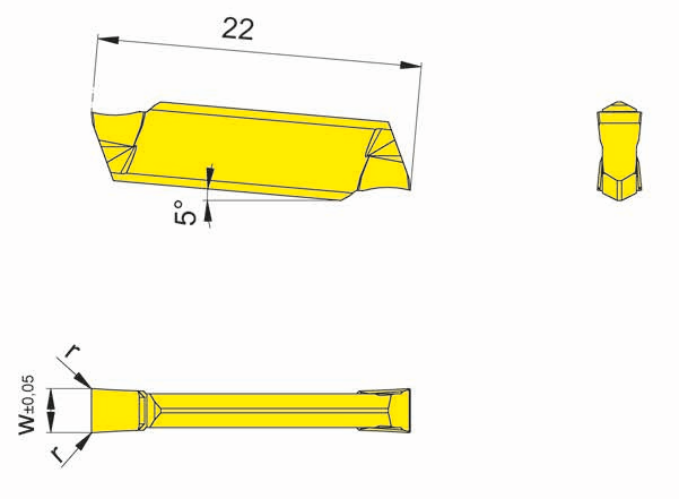
产品型号 Part number	w	r	HIS	IG35
S224.0200.WT2	2	0.2	224018	▲
S224.0250.WT2	2.5	0.2	224028	▲
S224.0300.WT2	3	0.2	224038	▲
				P -
				M ●
				K -
				N -
				S ●
				H -

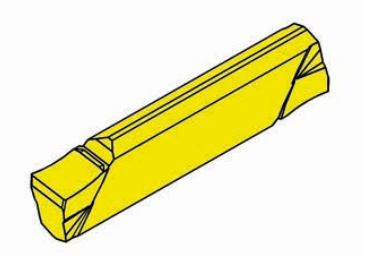
G

可转位刀片
Indexable insert

S224







硬质合金牌号
Carbide grades

▲ 库存
on stock

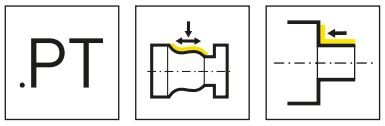
Δ 4周
4 weeks

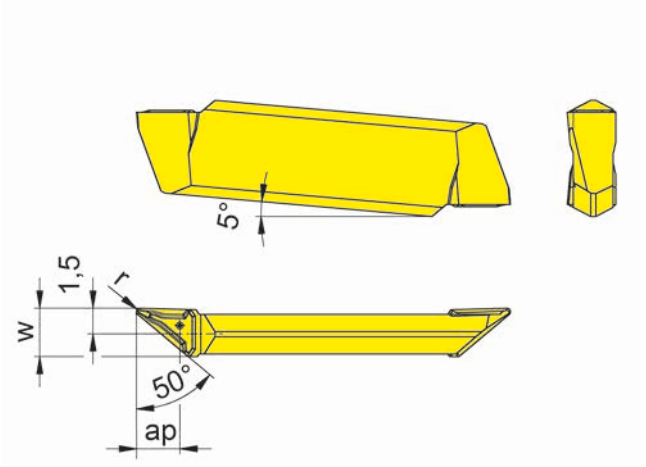
产品型号 Part number	w	r	HIS		EG35	IG66
S224.0200.10	2	0.05	224028		▲	Δ
S224.0250.10	2.5	0.1	224028		▲	Δ
S224.0300.10	3	0.1	224038		▲	Δ
				P	●	●
				M	●	●
				K	o	-
				N	-	-
				S	-	o
				H	-	-

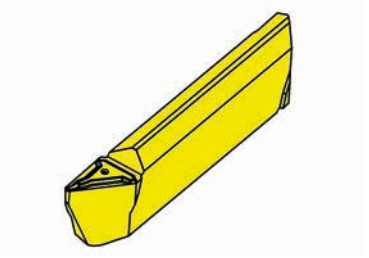
G

可转位刀片
Indexable insert

S224







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	a_p	HIS	EG55	IG35
RS224.5028.PT2	2.8	0.2	2.5	224038	▲	▲
RS224.5029.PT4	2.9	0.4	2.5	224038	▲	▲
LS224.5028.PT2	2.8	0.2	2.5	224038	▲	▲
LS224.5029.PT4	2.9	0.4	2.5	224038	▲	▲

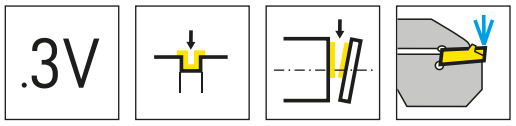
P	●	-
M	o	●
K	o	-
N	-	-
S	-	●
H	-	-

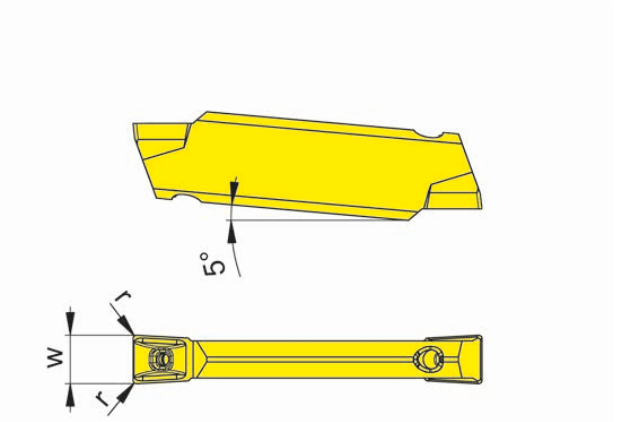
配合刀杆 H224.1...6.03.IK
for Toolholder H224.1...6.03.IK

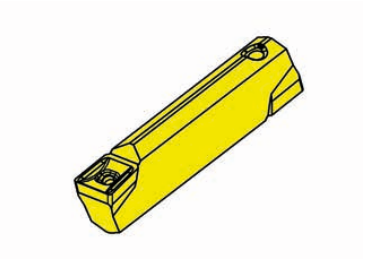
G

可转位刀片
Indexable insert

S224







硬质合金牌号
Carbide grades

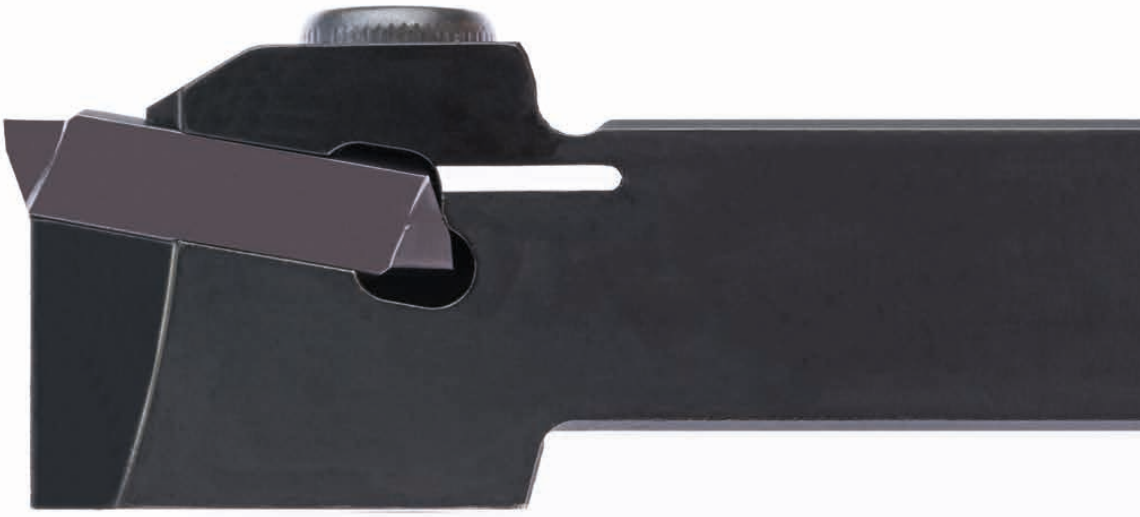
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	HIS		HP65	IG35
S224.0300.3V2.IK	3	0.2	224039		▲	▲
				P	●	-
				M	●	●
				K	●	-
				N	o	-
				S	●	●
				H	-	-

G

229/259



H

刀杆和刀片

槽宽2.5 - 10 mm

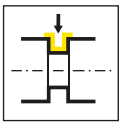
Toolholder and Inserts

Width of groove 2,5 - 10 mm

槽型及进给
Geometries and feed rates

页/Page 210-213

常规刀柄
Basic toolholder
210/218/B229



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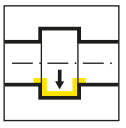

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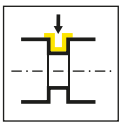
刀杆
Toolholder
210/218/226/219
225/213/214/H259



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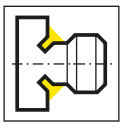

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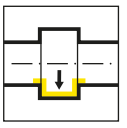

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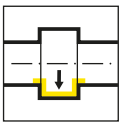
刀夹
Cassette
BK229/257/050



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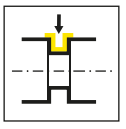

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H

可转位刀片
Indexable insert
S229/229/259

.3
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.A
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.E
页/Page
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.F
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.FY
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.3V
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.H
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.HR
页/Page
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.L
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.N
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.K
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.KF
页/Page
261

.10
页/Page
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.20
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.NC
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.FB
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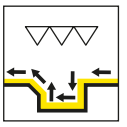
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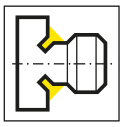
267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.C
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.M0
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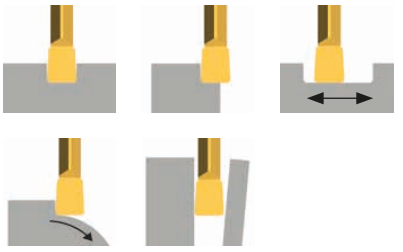
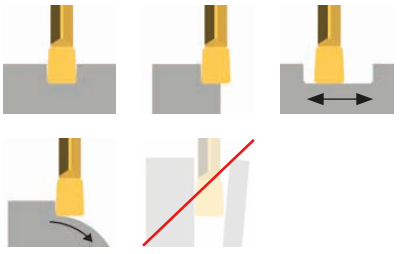
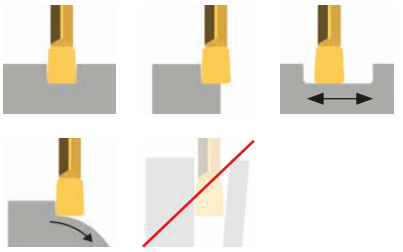
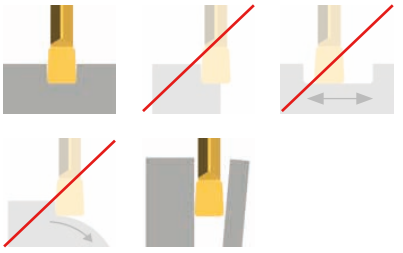
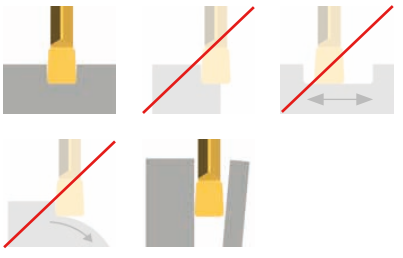
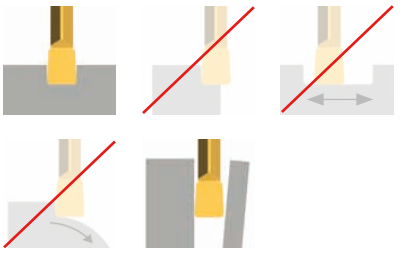
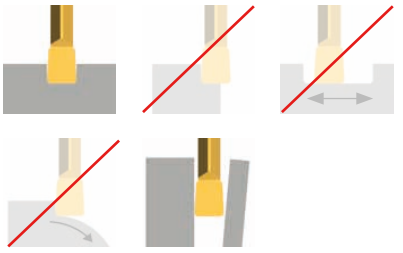
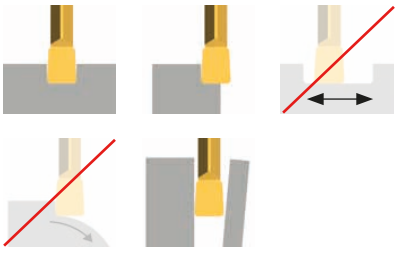
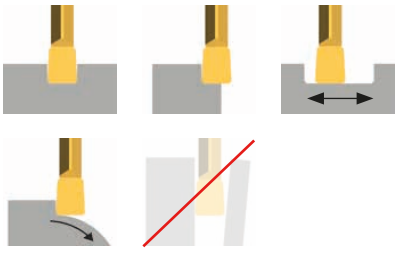
H

槽型及进给
Geometries and feed rates

槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.3	P M K N S H	↓ 0.15-0.25 ↔ 0.15-0.40	
.5	P M K N S H	↓ 0.10-0.45 ↔ 0.15-0.60	
.A	P M K N S H	↓ 0.05-0.30 ↔ 0.10-0.30	
.E	P M K N S H	↓ 0.08-0.30	
.F	P M K N S H	↓ 0.03-0.15	

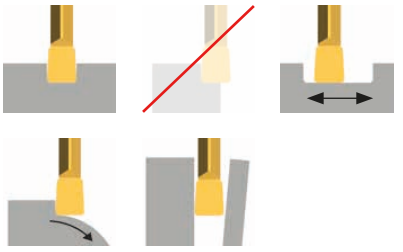
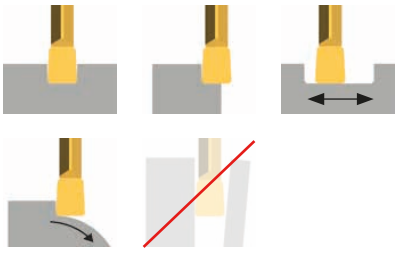
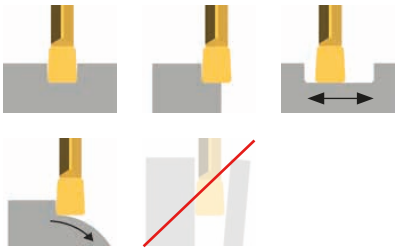
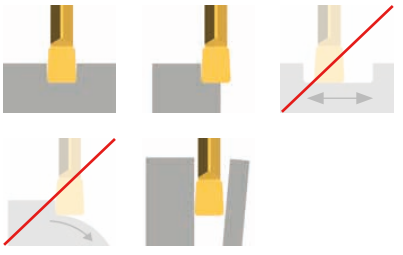
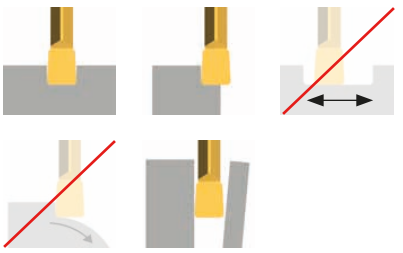
H

槽型及进给
Geometries and feed rates

槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.FY	P M K N S H	↓ 0.03-0.15	
.3V	P M K N S H	↓ 0.05-0.20	
.H	P M K N S H	↓ 0.15-0.25 ↔ 0.10-0.25	
.HR	P M K N S H	↓ 0.20-0.30	
.L	P M K N S H	↓ 0.10-0.22 ↔ 0.05-0.20	

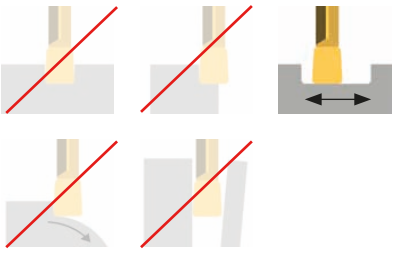
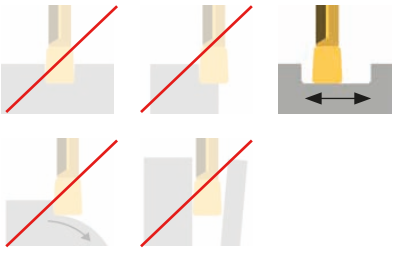
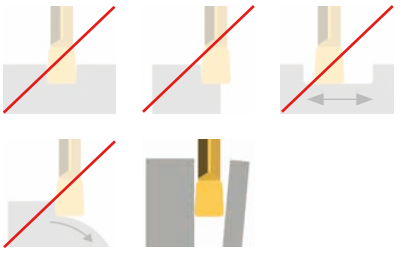
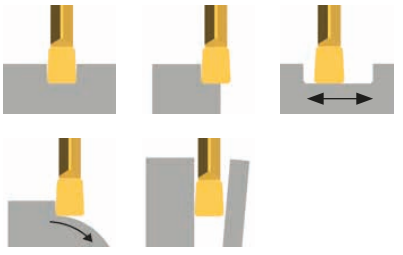
H

槽型及进给
Geometries and feed rates

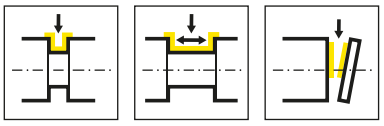
槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.N	P M K N S H	↓ 0.05-0.25 ↔ 0.05-0.25	
.K	P M K N S H	↓ 0.05-0.25 ↔ 0.05-0.25	
.KF	P M K N S H	↓ 0.10-0.45 ↔ 0.05-0.25	
.10	P M K N S H	↓ 0.05-0.15	
.20	P M K N S H	↓ 0.07-0.25	

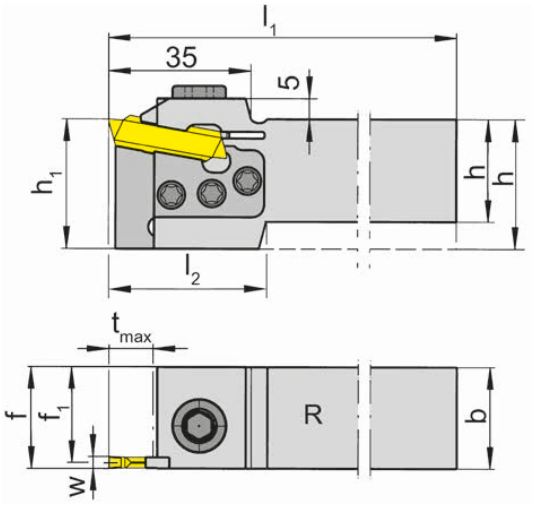
H

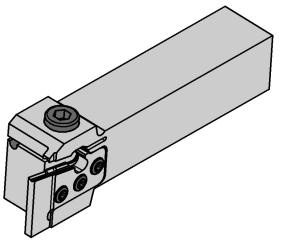
槽型及进给
Geometries and feed rates

槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.NC	P M K N S H	↓ 0.02-0.10 ↔ 0.02-0.15	
.FB	P M K N S H	↓ 0.02-0.10 ↔ 0.0015-0.07	
.C	P M K N S H	↓ 0.02-0.10	
.M0	P M K N S H	↓ 0.02-0.10 ↔ 0.02-0.15	

H







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

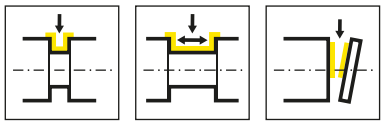
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R210.2525.K3	25	25	150	35	32	23.55	f_1+w/2	11	3.0-4.0	229030
R210.3225.K3	32	25	170	-	32	23.55	f_1+w/2	11	3.0-4.0	229030
R210.2525.K4	25	25	150	35	32	22.7	f_1+w/2	11	4.0-5.0	229040
R210.3225.K4	32	25	150	-	32	22.7	f_1+w/2	11	4.0-5.0	229040
R210.2525.K5	25	25	150	35	32	22.2	f_1+w/2	11	5.1-6.0	229050 • 229051
R210.3225.K5	32	25	170	-	32	22.2	f_1+w/2	11	5.1-6.0	229050 • 229051
R210.2525.K7	25	25	150	35	32	21.2	f_1+w/2	11	6.1-8.0	229070 • 229071
R210.3225.K7	32	25	170	-	32	21.2	f_1+w/2	11	6.1-8.0	229070 • 229071
L210.2525.K3	25	25	150	35	32	23.55	f_1+w/2	11	3.0-4.0	229030
L210.3225.K3	32	25	170	-	32	23.55	f_1+w/2	11	3.0-4.0	229030
L210.2525.K4	25	25	150	35	32	22.7	f_1+w/2	11	4.0-5.0	229040
L210.3225.K4	32	25	150	-	32	22.7	f_1+w/2	11	4.0-5.0	229040
L210.2525.K5	25	25	150	35	32	22.2	f_1+w/2	11	5.1-6.0	229050 • 229051
L210.3225.K5	32	25	170	-	32	22.2	f_1+w/2	11	5.1-6.0	229050 • 229051
L210.2525.K7	25	25	150	35	32	21.2	f_1+w/2	11	6.1-8.0	229070 • 229071
L210.3225.K7	32	25	170	-	32	21.2	f_1+w/2	11	6.1-8.0	229070 • 229071

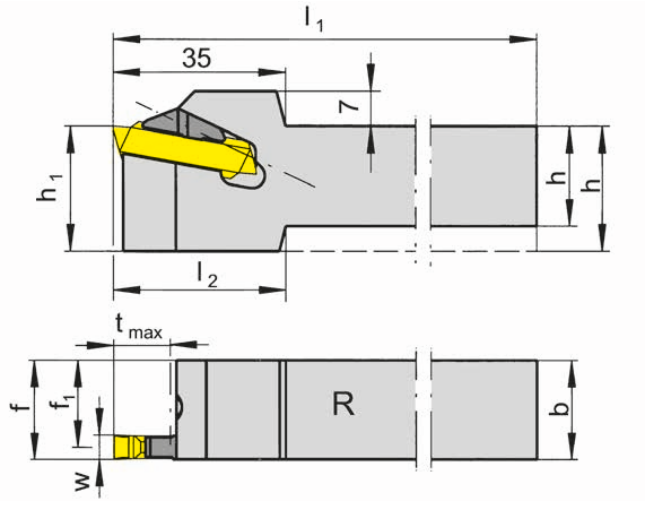
w见刀片
w see indexable inserts

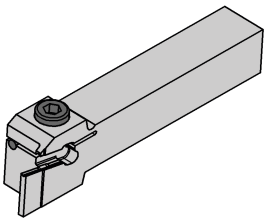
H

配件
Spare Parts

常规刀柄 Basic toolholder	锁紧螺钉 Clamping Screw	刀夹 Cassette	TORX PLUS®扳手 TORX PLUS® Wrench	TORX 扳手 Torx Wrench
R/L210...K3	**030.0518.T20P**	**NK210.32.03**	**T20PQ**	
R/L210...K4	**030.0518.T20P**	**NK210.32.04**	**T20PQ**	
R/L210...K5	**030.0518.T20P**	**NK210.32.05**	**T20PQ**	
R/L210...K7	**030.0518.T20P**	**NK210.32.07**	**T20PQ**	**T15Q**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

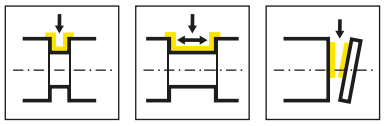
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R210.2020.09	20	20	150	35	25	15.2	f_1+w/2	11	8.1-10.4	229090 • 229091
R210.2525.09	25	25	150	-	25	20.2	f_1+w/2	11	8.1-10.4	229090 • 229091
R210.3225.09	32	25	170	-	32	20.2	f_1+w/2	11	8.1-10.4	229090 • 229091
L210.2020.09	20	20	150	35	25	15.2	f_1+w/2	11	8.1-10.4	229090 • 229091
L210.2525.09	25	25	150	-	25	20.2	f_1+w/2	11	8.1-10.4	229090 • 229091
L210.3225.09	32	25	170	-	32	20.2	f_1+w/2	11	8.1-10.4	229090 • 229091

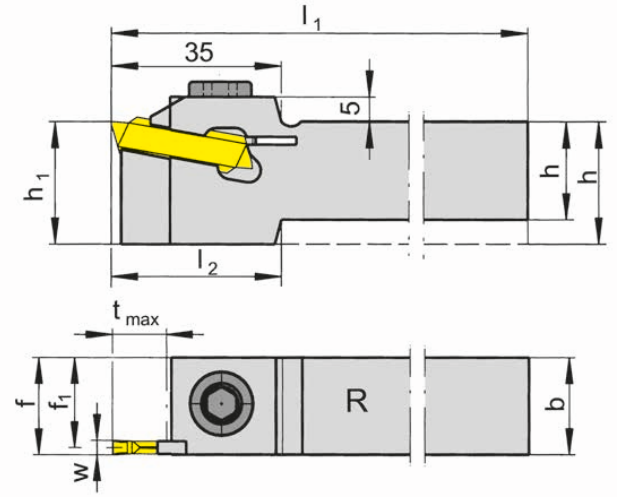
w见刀片
w see indexable inserts

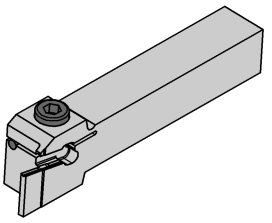
H

配件
Spare Parts

刀杆 Toolholder	**压板** Clamping element	**TORX PLUS®扳手** TORX PLUS® Wrench
L210...	**L218.9**	**T15PQ**
R210...	**R218.9**	**T15PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R210.2020.02	20	20	150	35	25	18.55	f_1+w/2	11	2.5-3.0	229020
R210.2525.02	25	25	150	-	25	23.55	f_1+w/2	11	2.5-3.0	229020
R210.1616.03	16	16	150	45	25	14.55	f_1+w/2	11	3.0-4.0	229030
R210.2020.03	20	20	150	35	25	18.55	f_1+w/2	11	3.0-4.0	229030
R210.2525.03	25	25	150	-	25	23.55	f_1+w/2	11	3.0-4.0	229030
R210.3225.03	32	25	170	-	32	23.55	f_1+w/2	11	3.0-4.0	229030
R210.2020.04	20	20	150	35	25	17.7	f_1+w/2	11	3.0-4.0	229040
R210.2525.04	25	25	150	-	25	22.7	f_1+w/2	11	4.0-5.0	229040
R210.3225.04	32	25	170	-	32	22.7	f_1+w/2	11	4.0-5.0	229040
R210.2020.05	20	20	150	35	25	17.2	f_1+w/2	11	5.1-6.0	229050 • 229051
R210.2525.05	25	25	150	-	25	22.2	f_1+w/2	11	5.1-6.0	229050 • 229051
R210.3225.05	32	25	170	-	32	22.2	f_1+w/2	11	5.1-6.0	229050 • 229051
L210.2020.02	20	20	150	35	25	18.55	f_1+w/2	11	2.5-3.0	229020
L210.2525.02	25	25	150	-	25	23.55	f_1+w/2	11	2.5-3.0	229020
L210.1616.03	16	16	150	45	25	14.55	f_1+w/2	11	3.0-4.0	229030
L210.2020.03	20	20	150	35	25	18.55	f_1+w/2	11	3.0-4.0	229030
L210.2525.03	25	25	150	-	25	23.55	f_1+w/2	11	3.0-4.0	229030
L210.3225.03	32	25	170	-	32	23.55	f_1+w/2	11	3.0-4.0	229030
L210.2020.04	20	20	150	35	25	17.7	f_1+w/2	11	4.0-5.0	229040
L210.2525.04	25	25	150	-	25	22.7	f_1+w/2	11	4.0-5.0	229040
L210.3225.04	32	25	170	-	32	22.7	f_1+w/2	11	4.0-5.0	229040
L210.2020.05	20	20	150	35	25	17.2	f_1+w/2	11	5.1-6.0	229050 • 229051
L210.2525.05	25	25	150	-	25	22.2	f_1+w/2	11	5.1-6.0	229050 • 229051
L210.3225.05	32	25	170	-	32	22.2	f_1+w/2	11	5.1-6.0	229050 • 229051

w见刀片
w see indexable inserts

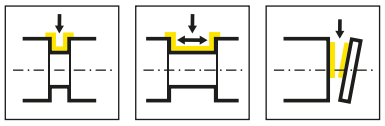
R/L 210…02在工件直径150mm以下可达最大切深
R/L 210...02 max. depth of groove up to Ø 150 mm

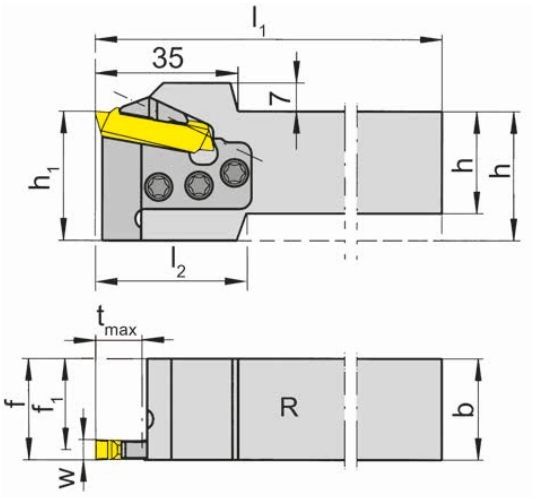
配件
Spare Parts

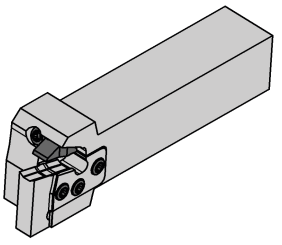
刀杆 Toolholder	**锁紧螺钉** Clamping Screw
R/L210...	**218.3**

常规刀柄
Basic toolholder

210







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

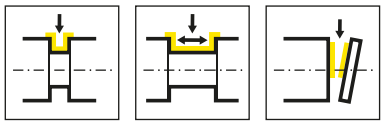
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R210.2525.K9	25	25	150	35	32	20.2	f_1+w/2	11	8.1-10.4	229090 • 229091
R210.3225.K9	32	25	170	-	32	20.2	f_1+w/2	11	8.1-10.4	229090 • 229091
L210.2525.K9	25	25	150	35	32	20.2	f_1+w/2	11	8.1-10.4	229090 • 229091
L210.3225.K9	32	25	170	-	32	20.2	f_1+w/2	11	8.1-10.4	229090 • 229091

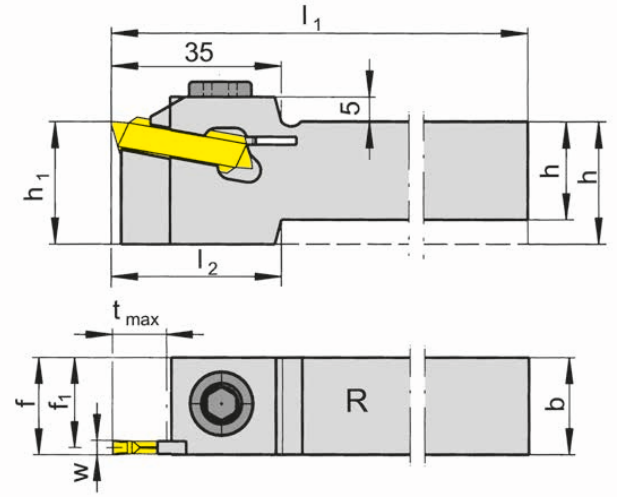
w见刀片
w see indexable inserts

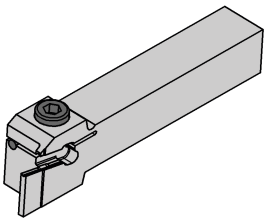
H

配件
Spare Parts

常规刀柄 Basic toolholder	锁紧螺钉 Clamping Screw	刀夹 Cassette	压板 Clamping element	TORX PLUS®扳手 TORX PLUS® Wrench
R/L210...	**030.0518.T20P**	**NK210.32.09**	**L218.9**	**T20PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

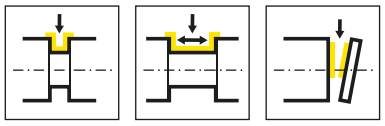
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R210.2020.07	20	20	150	35	25	16.2	f_1+w/2	11	6.1-8.0	229070 • 229071
R210.2525.07	25	25	150	-	25	21.2	f_1+w/2	11	6.1-8.0	229070 • 229071
R210.3225.07	32	25	170	-	32	21.2	f_1+w/2	11	6.1-8.0	229070 • 229071
R210.2020.08	20	20	150	35	25	16.2	f_1+w/2	11	7.6-8.0	229080 • 229081
R210.2525.08	25	25	150	-	25	21.2	f_1+w/2	11	7.6-8.0	229080 • 229081
L210.2020.07	20	20	150	35	25	16.2	f_1+w/2	11	6.1-8.0	229070 • 229071
L210.2525.07	25	25	150	-	25	21.2	f_1+w/2	11	6.1-8.0	229070 • 229071
L210.3225.07	32	25	170	-	32	21.2	f_1+w/2	11	6.1-8.0	229070 • 229071
L210.2020.08	20	20	150	35	25	16.2	f_1+w/2	11	7.6-8.0	229080 • 229081
L210.2525.08	25	25	150	-	25	21.2	f_1+w/2	11	7.6-8.0	229080 • 229081

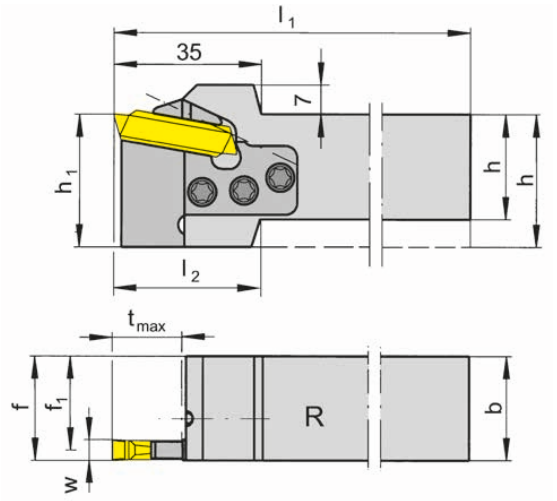
w见刀片
w see indexable inserts

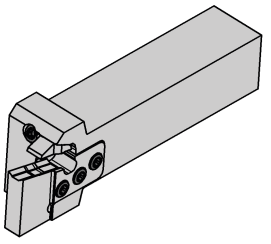
H

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw
R/L210...	**218.3**







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R = right hand version shown

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L = left hand version

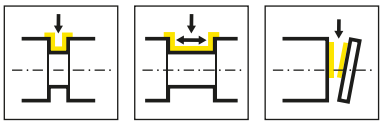
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R218.2525.K9	25	25	150	48	32	20.2	f_1+w/2	18	8.1-10.4	229090 • 229091
R218.3225.K9	32	25	170	-	32	20.2	f_1+w/2	18	8.1-10.4	229090 • 229091
L218.2525.K9	25	25	150	48	32	20.2	f_1+w/2	18	8.1-10.4	229090 • 229091
L218.3225.K9	32	25	170	-	32	20.2	f_1+w/2	18	8.1-10.4	229090 • 229091

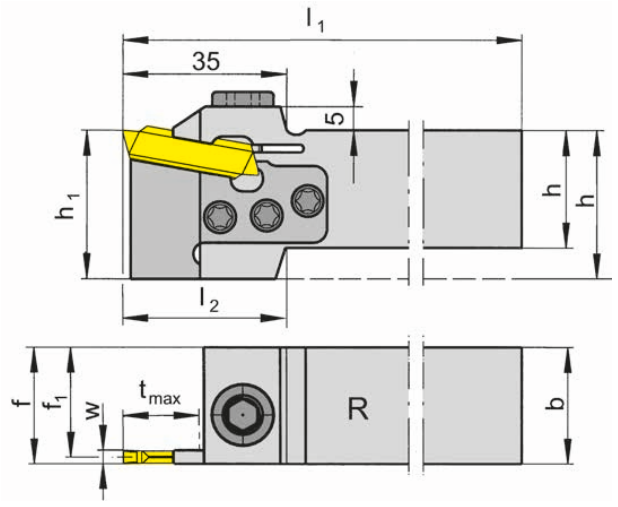
w见刀片
w see indexable inserts

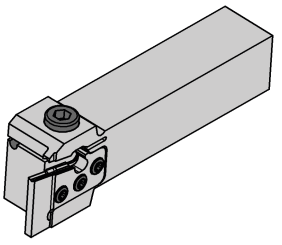
H

配件
Spare Parts

常规刀柄 Basic toolholder	**锁紧螺钉** Clamping Screw	**刀夹** Cassette	**压板** Clamping element	**TORX PLUS®扳手** TORX PLUS® Wrench
R/L218...	**030.0518.T20P**	**NK218.32.09**	**L218.9**	**T20PQ**







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R = right hand version shown

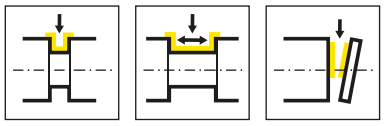
L=左手型
L = left hand version

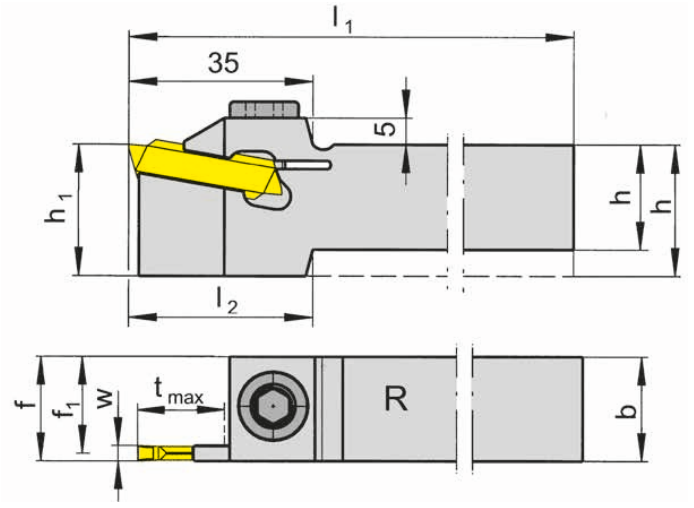
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R218.2525.K3	25	25	150	35	32	23.55	f_1+w/2	18	3.0-4.0	229030
R218.3225.K3	32	25	170	-	32	23.55	f_1+w/2	18	3.0-4.0	229030
R218.3225.K4	32	25	170	-	32	22.7	f_1+w/2	18	4.0-5.0	229040
R218.2525.K5	25	25	150	35	32	22.2	f_1+w/2	18	5.1-6.0	229050 • 229051
R218.3225.K5	32	25	170	-	32	22.2	f_1+w/2	18	5.1-6.0	229050 • 229051
R218.2525.K7	25	25	150	35	32	21.2	f_1+w/2	18	6.1-8.0	229070 • 229071
R218.3225.K7	32	25	170	-	32	21.2	f_1+w/2	18	6.1-8.0	229070 • 229071
L218.2525.K3	25	25	150	35	32	23.55	f_1+w/2	18	3.0-4.0	229030
L218.3225.K3	32	25	170	-	32	23.55	f_1+w/2	18	3.0-4.0	229030
L218.2525.K5	25	25	150	35	32	22.2	f_1+w/2	18	5.1-6.0	229050 • 229051
L218.3225.K5	32	25	170	-	32	22.2	f_1+w/2	18	5.1-6.0	229050 • 229051
L218.2525.K7	25	25	150	35	32	21.2	f_1+w/2	18	6.1-8.0	229070 • 229071
L218.3225.K7	32	25	170	-	32	21.2	f_1+w/2	18	6.1-8.0	229070 • 229071

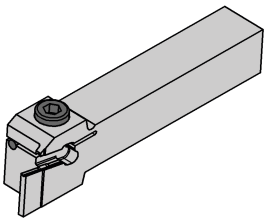
w见刀片
w see indexable inserts

配件
Spare Parts

常规刀柄 Basic toolholder	**锁紧螺钉** Clamping Screw	**刀夹** Cassette	**TORX PLUS®扳手** TORX PLUS® Wrench	**压板** Clamping element
R/L218...K3	**030.0518.T20P**	**NK218.32.03**	**T20PQ**	
R/L218...K4	**030.0518.T20P**	**NK218.32.04**	**T20PQ**	
R/L218...K5	**030.0518.T20P**	**NK218.32.05**	**T20PQ**	
R/L218...K7	**030.0518.T20P**	**NK218.32.07**	**T20PQ**	**R/L218.5.7**







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R = right hand version shown

L=左手型
L = left hand version

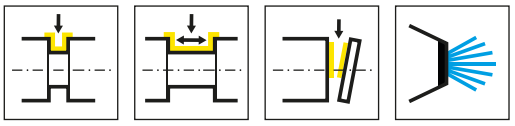
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	D_{max}	夹持范围 Clamping range	HWS
R218.2020.02	20	20	150	35	25	18.55	f_1+w/2	18	80	2.5-3.0	229020
R218.2525.02	25	25	150	-	25	23.55	f_1+w/2	18	80	2.5-3.0	229020
R218.1616.03	16	16	150	45	25	14.55	f_1+w/2	18	-	3.0-4.0	229030
R218.2020.03	20	20	150	35	25	18.55	f_1+w/2	18	-	3.0-4.0	229030
R218.2525.03	25	25	150	-	25	23.55	f_1+w/2	18	-	3.0-4.0	229030
R218.3225.03	32	25	170	-	32	23.55	f_1+w/2	18	-	3.0-4.0	229030
R218.2020.04	20	20	150	35	25	17.7	f_1+w/2	18	-	4.0-5.0	229040
R218.2525.04	25	25	150	-	25	22.7	f_1+w/2	18	-	4.0-5.0	229040
R218.3225.04	32	25	170	-	32	22.7	f_1+w/2	18	-	4.0-5.0	229040
R218.2020.05	20	20	150	35	25	17.2	f_1+w/2	18	-	5.1-6.0	229050 • 229051
R218.2525.05	25	25	150	-	25	22.2	f_1+w/2	18	-	5.1-6.0	229050 • 229051
R218.3225.05	32	25	170	-	32	22.2	f_1+w/2	18	-	5.1-6.0	229050 • 229051
L218.2020.02	20	20	150	35	25	18.55	f_1+w/2	18	80	2.5-3.0	229020
L218.2525.02	25	25	150	-	25	23.55	f_1+w/2	18	80	2.5-3.0	229020
L218.1616.03	16	16	150	45	25	14.55	f_1+w/2	18	-	3.0-4.0	229030
L218.2020.03	20	20	150	35	25	18.55	f_1+w/2	18	-	3.0-4.0	229030
L218.2525.03	25	25	150	-	25	23.55	f_1+w/2	18	-	3.0-4.0	229030
L218.3225.03	32	25	170	-	32	23.55	f_1+w/2	18	-	3.0-4.0	229030
L218.2020.04	20	20	150	35	25	17.7	f_1+w/2	18	-	4.0-5.0	229040
L218.2525.04	25	25	150	-	25	22.7	f_1+w/2	18	-	4.0-5.0	229040
L218.3225.04	32	25	170	-	32	22.7	f_1+w/2	18	-	4.0-5.0	229040
L218.2020.05	20	20	150	35	25	17.2	f_1+w/2	18	-	5.1-6.0	229050 • 229051
L218.2525.05	25	25	150	-	25	22.2	f_1+w/2	18	-	5.1-6.0	229050 • 229051
L218.3225.05	32	25	170	-	32	22.2	f_1+w/2	18	-	5.1-6.0	229050 • 229051

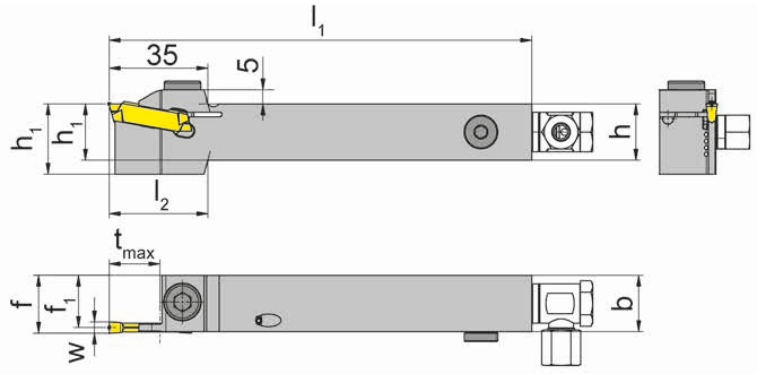
w见刀片
w see indexable inserts

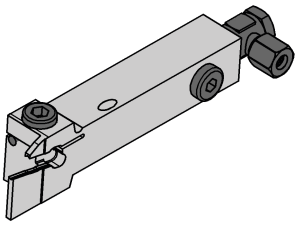
R/L 218…02在小于Ø 80mm可达最大切槽深度
R/L 218...02 max. depth of groove up to Ø 80 mm

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw
R/L218...	**218.3**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	D_{max}	夹持范围 Clamping range	HWS
R218.2525.02.IK	25	25	150	-	25	23.55	f_1+w/2	18	80	2.5-3.0	229020
R218.1616.03.IK	16	16	150	45	25	14.55	f_1+w/2	18	-	3.0-4.0	229030
R218.2020.03.IK	20	20	150	35	25	18.55	f_1+w/2	18	-	3.0-4.0	229030
R218.2525.03.IK	25	25	150	-	25	23.55	f_1+w/2	18	-	3.0-4.0	229030
L218.2020.02.IK	20	20	150	35	25	18.55	f_1+w/2	18	80	2.5-3.0	229020
L218.2525.02.IK	25	25	150	-	25	23.55	f_1+w/2	18	80	2.5-3.0	229020
L218.1616.03.IK	16	16	150	45	25	14.55	f_1+w/2	18	-	3.0-4.0	229030
L218.2020.03.IK	20	20	150	35	25	18.55	f_1+w/2	18	-	3.0-4.0	229030
L218.2525.03.IK	25	25	150	-	25	23.55	f_1+w/2	18	-	3.0-4.0	229030
L218.3225.03.IK	32	25	170	-	32	23.55	f_1+w/2	18	-	3.0-4.0	229030

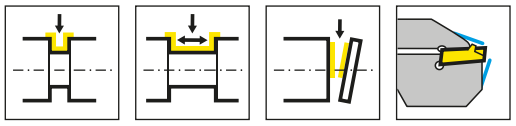
w见刀片
w see indexable inserts

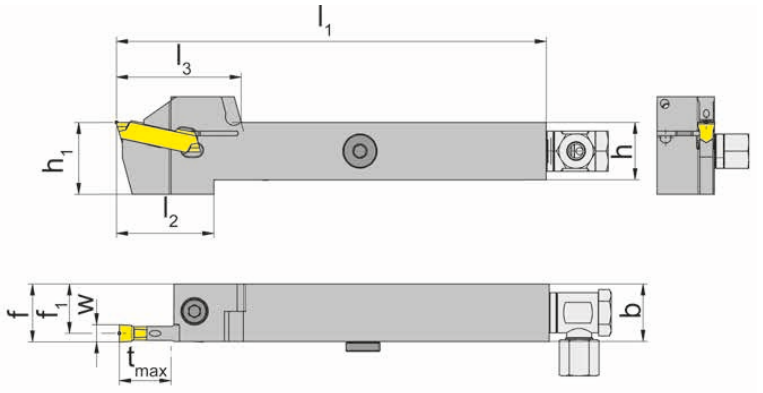
R/L 218…02在小于Ø 80mm可达最大切槽深度
R/L 218...02 max. depth of groove up to Ø 80 mm

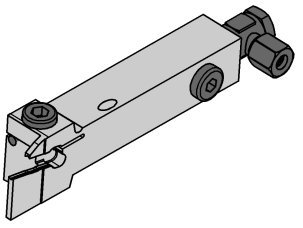
H

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**冷却液供应** Coolant supply	**螺钉** Screw Plug
R/L218...	**218.3**	**004.00.16**	**004.00.26**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

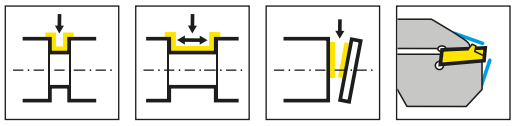
产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	HWS
R218.1616.0.03.IK	16	16	150	37	43.5	25	14.55	f_1+w/2	18	229030
R218.2020.0.03.IK	20	20	150	34	43.5	25	18.55	f_1+w/2	18	229030
R218.2525.0.03.IK	25	25	150	32	43.5	32	23.55	f_1+w/2	18	229030
R218.2020.0.04.IK	20	20	150	34	43.5	25	17.7	f_1+w/2	18	229040
R218.2020.0.05.IK	20	20	150	34	43.5	25	17.2	f_1+w/2	18	229050 • 229051
R218.2525.0.04.IK	25	25	150	32	43.5	32	22.7	f_1+w/2	18	229040
R218.2525.0.05.IK	25	25	150	32	43.5	32	22.2	f_1+w/2	18	229050 • 229051
L218.1616.0.03.IK	16	16	150	37	43.5	25	14.55	f_1+w/2	18	229030
L218.2020.0.03.IK	20	20	150	34	43.5	25	18.55	f_1+w/2	18	229030
L218.2525.0.03.IK	25	25	150	32	43.5	32	23.55	f_1+w/2	18	229030
L218.2020.0.04.IK	20	20	150	34	43.5	25	17.7	f_1+w/2	18	229040
L218.2020.0.05.IK	20	20	150	34	43.5	25	17.2	f_1+w/2	18	229050 • 229051
L218.2525.0.04.IK	25	25	150	32	43.5	32	22.7	f_1+w/2	18	229040
L218.2525.0.05.IK	25	25	150	32	43.5	32	22.2	f_1+w/2	18	229050 • 229051

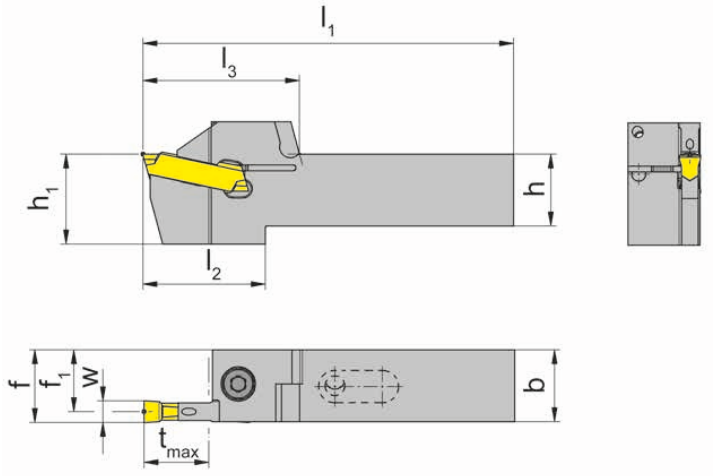
w见刀片
w see indexable inserts

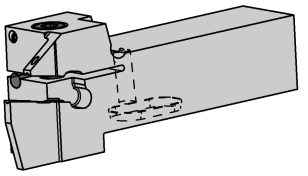
H

配件
Spare Parts

刀杆 Toolholder	冷却液供应 Coolant supply	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench	螺钉 Screw Plug
R/L218...	**004.00.16**	**6.23T25P**	**T25PQ**	**004.00.26**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

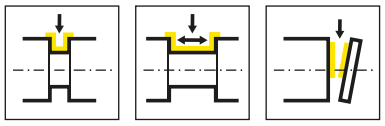
产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	HWS
R218.1616.2.03.IK	16	16	91	37	43.5	25	14.55	f_1+w/2	18	229030
R218.1616.2.04.IK	16	16	91	37	43.5	25	13.7	f_1+w/2	18	229040
R218.1616.2.05.IK	16	16	91	37	43.5	25	13.2	f_1+w/2	18	229050 • 229051
R218.2020.2.03.IK	20	20	103	34	43.5	25	18.55	f_1+w/2	18	229030
R218.2020.2.04.IK	20	20	103	34	43.5	25	17.7	f_1+w/2	18	229040
R218.2020.2.05.IK	20	20	103	34	43.5	25	17.2	f_1+w/2	18	229050 • 229051
R218.2525.2.03.IK	25	25	116	32	43.5	32	23.55	f_1+w/2	18	229030
R218.2525.2.04.IK	25	25	116	32	43.5	32	22.7	f_1+w/2	18	229040
R218.2525.2.05.IK	25	25	116	32	43.5	32	22.2	f_1+w/2	18	229050 • 229051
R218.2525.2.07.IK	25	25	116	32	43.5	32	21.2	f_1+w/2	18	229070 • 229071
R218.2525.2.08.IK	25	25	116	32	43.5	32	21.2	f_1+w/2	18	229080 • 229081
L218.1616.2.03.IK	16	16	91	37	43.5	25	14.55	f_1+w/2	18	229030
L218.1616.2.04.IK	16	16	91	37	43.5	25	13.7	f_1+w/2	18	229040
L218.1616.2.05.IK	16	16	91	37	43.5	25	13.2	f_1+w/2	18	229050 • 229051
L218.2020.2.03.IK	20	20	103	34	43.5	25	18.55	f_1+w/2	18	229030
L218.2020.2.04.IK	20	20	103	34	43.5	25	17.7	f_1+w/2	18	229040
L218.2020.2.05.IK	20	20	103	34	43.5	25	17.2	f_1+w/2	18	229050 • 229051
L218.2525.2.03.IK	25	25	116	32	43.5	32	23.55	f_1+w/2	18	229030
L218.2525.2.04.IK	25	25	116	32	43.5	32	22.7	f_1+w/2	18	229040
L218.2525.2.05.IK	25	25	116	32	43.5	32	22.2	f_1+w/2	18	229050 • 229051
L218.2525.2.07.IK	25	25	116	32	43.5	32	21.2	f_1+w/2	18	229070 • 229071
L218.2525.2.08.IK	25	25	116	32	43.5	32	21.2	f_1+w/2	18	229080 • 229081

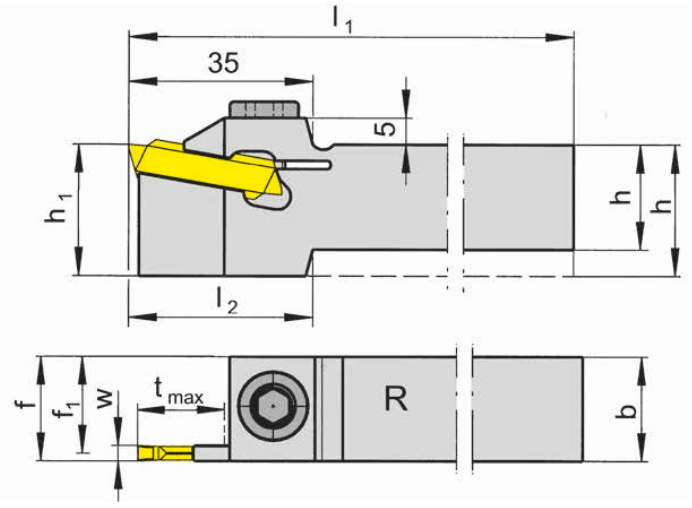
w见刀片
w see indexable inserts

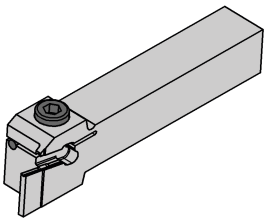
H

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/L218...	**6.23T25P**	**T25PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

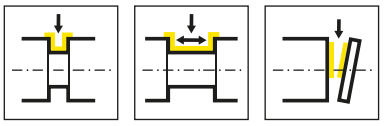
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R218.2020.07	20	20	150	35	25	16.2	f_1+w/2	18	6.1-8.0	229070 • 229071
R218.2525.07	25	25	150	-	25	21.2	f_1+w/2	18	6.1-8.0	229070 • 229071
R218.3225.07	32	25	170	-	32	21.2	f_1+w/2	18	6.1-8.0	229070 • 229071
L218.2020.07	20	20	150	35	25	16.2	f_1+w/2	18	6.1-8.0	229070 • 229071
L218.2525.07	25	25	150	-	25	21.2	f_1+w/2	18	6.1-8.0	229070 • 229071
L218.3225.07	32	25	170	-	32	21.2	f_1+w/2	18	6.1-8.0	229070 • 229071
L218.2525.08	25	25	150	-	25	21.2	f_1+w/2	18	7.6-8.0	229080 • 229081

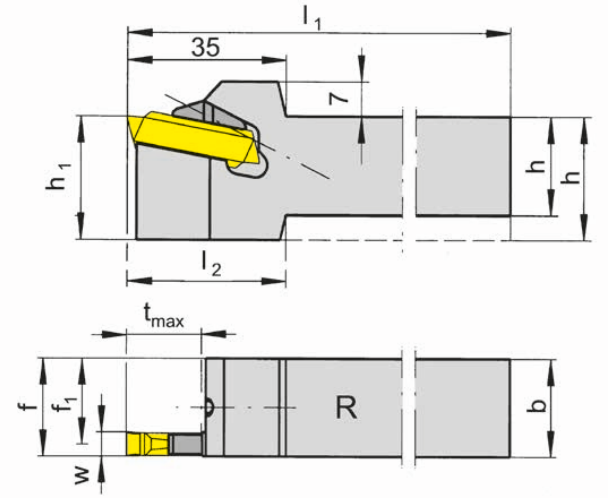
w见刀片
w see indexable inserts

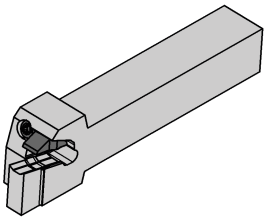
H

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw
R/L218...	**218.3**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

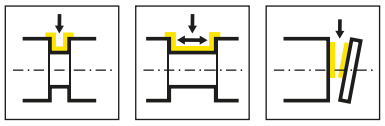
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R218.2020.09	20	20	150	35	25	15.2	f_1+w/2	18	8.1-10.4	229090 • 229091
R218.2525.09	25	25	150	-	25	20.2	f_1+w/2	18	8.1-10.4	229090 • 229091
R218.3225.09	32	25	170	-	32	20.2	f_1+w/2	18	8.1-10.4	229090 • 229091
L218.2020.09	20	20	150	35	25	15.2	f_1+w/2	18	8.1-10.4	229090 • 229091
L218.3225.09	32	25	170	-	32	20.2	f_1+w/2	18	8.1-10.4	229090 • 229091

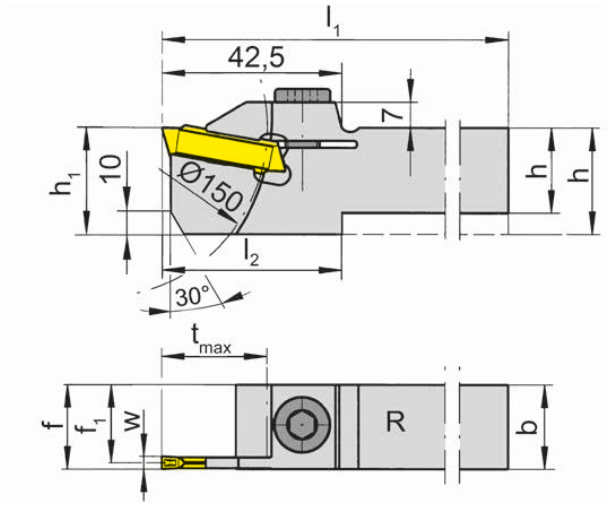
w见刀片
w see indexable inserts

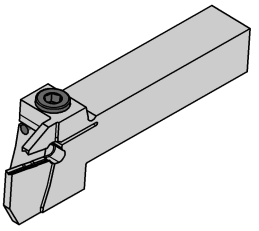
H

配件
Spare Parts

刀杆 Toolholder	**压板** Clamping element	**TORX PLUS®扳手** TORX PLUS® Wrench
L218...	**L218.9**	**T15PQ**
R218...	**R218.9**	**T15PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

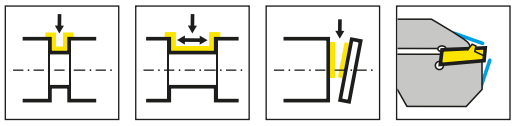
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R226.1616.03	16	16	150	52.5	32	14.55	f_1+w/2	25	3.0-4.0	229030
R226.2020.03	20	20	150	42.5	32	18.55	f_1+w/2	25	3.0-4.0	229030
R226.2525.03	25	25	150	42.5	32	23.55	f_1+w/2	25	3.0-4.0	229030
R226.3225.03	32	25	170	-	32	23.55	f_1+w/2	25	3.0-4.0	229030
R226.1616.04	16	16	150	52.5	32	13.7	f_1+w/2	25	4.0-5.0	229040
R226.2020.04	20	20	150	42.5	32	17.7	f_1+w/2	25	4.0-5.0	229040
R226.2525.04	25	25	150	42.5	32	22.7	f_1+w/2	25	4.0-5.0	229040
R226.3225.04	32	25	170	-	32	22.7	f_1+w/2	25	4.0-5.0	229040
R226.2020.05	20	20	150	42.5	32	17.2	f_1+w/2	25	5.1-6.0	229050 • 229051
R226.2525.05	25	25	150	42.5	32	22.2	f_1+w/2	25	5.1-6.0	229050 • 229051
R226.3225.05	32	25	170	-	32	22.2	f_1+w/2	25	5.1-6.0	229050 • 229051
L226.1616.03	16	16	150	52.5	32	14.55	f_1+w/2	25	3.0-4.0	229030
L226.2020.03	20	20	150	42.5	32	18.55	f_1+w/2	25	3.0-4.0	229030
L226.2525.03	25	25	150	42.5	32	23.55	f_1+w/2	25	3.0-4.0	229030
L226.3225.03	32	25	170	-	32	23.55	f_1+w/2	25	3.0-4.0	229030
L226.1616.04	16	16	150	52.5	32	13.7	f_1+w/2	25	4.0-5.0	229040
L226.2020.04	20	20	150	42.5	32	17.7	f_1+w/2	25	4.0-5.0	229040
L226.2525.04	25	25	150	42.5	32	22.7	f_1+w/2	25	4.0-5.0	229040
L226.3225.04	32	25	170	-	32	22.7	f_1+w/2	25	4.0-5.0	229040
L226.2020.05	20	20	150	42.5	32	17.2	f_1+w/2	25	5.1-6.0	229050 • 229051
L226.2525.05	25	25	150	42.5	32	22.2	f_1+w/2	25	5.1-6.0	229050 • 229051
L226.3225.05	32	25	170	-	32	22.2	f_1+w/2	25	5.1-6.0	229050 • 229051

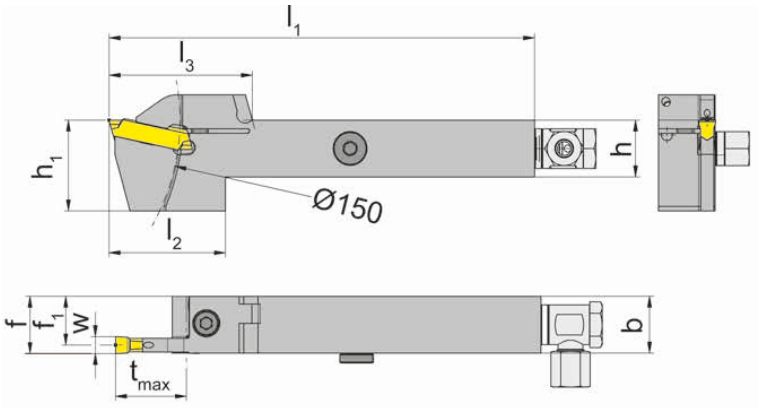
w见刀片
w see indexable inserts

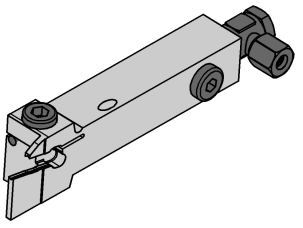
H

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw
R/L226...	**218.3**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

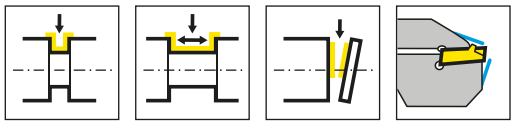
产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	HWS
R226.2020.0.03.IK	20	20	150	41	50.5	32	18.55	f_1+w/2	25	229030
R226.2020.0.04.IK	20	20	150	41	50.5	32	17.7	f_1+w/2	25	229040
R226.2020.0.05.IK	20	20	150	41	50.5	32	17.2	f_1+w/2	25	229050 • 229051
R226.2525.0.03.IK	25	25	150	39	50.5	32	23.55	f_1+w/2	25	229030
R226.2525.0.04.IK	25	25	150	39	50.5	32	22.7	f_1+w/2	25	229040
R226.2525.0.05.IK	25	25	150	39	50.5	32	22.2	f_1+w/2	25	229050 • 229051
L226.2020.0.03.IK	20	20	150	41	50.5	32	18.55	f_1+w/2	25	229030
L226.2020.0.04.IK	20	20	150	41	50.5	32	17.7	f_1+w/2	25	229040
L226.2020.0.05.IK	20	20	150	41	50.5	32	17.2	f_1+w/2	25	229050 • 229051
L226.2525.0.03.IK	25	25	150	39	50.5	32	23.55	f_1+w/2	25	229030
L226.2525.0.04.IK	25	25	150	39	50.5	32	22.7	f_1+w/2	25	229040
L226.2525.0.05.IK	25	25	150	39	50.5	32	22.2	f_1+w/2	25	229050 • 229051

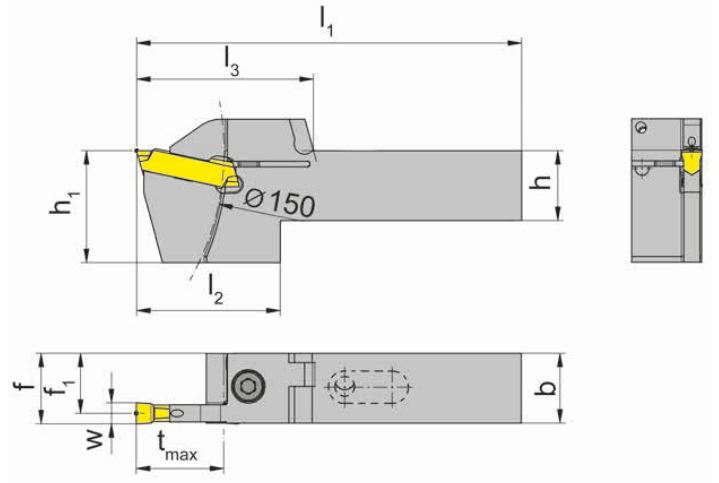
w见刀片
w see indexable inserts

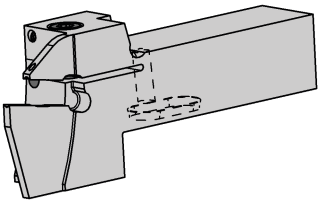
H

配件
Spare Parts

刀杆 Toolholder	**冷却液供应** Coolant supply	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench	**螺钉** Screw Plug
R/L226...	**004.00.16**	**6.23T25P**	**T25PQ**	**004.00.26**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

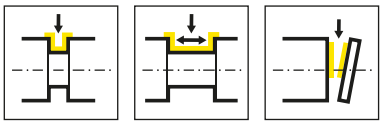
产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	HWS
R226.2020.2.03.IK	20	20	110	41	50.5	32	18.55	f_1+w/2	25	229030
R226.2525.2.03.IK	25	25	123	39	50.5	32	23.55	f_1+w/2	25	229030
R226.2020.2.04.IK	20	20	110	41	50.5	32	17.7	f_1+w/2	25	229040
R226.2525.2.04.IK	25	25	123	39	50.5	32	22.7	f_1+w/2	25	229040
R226.2525.2.05.IK	25	25	123	39	50.5	32	22.2	f_1+w/2	25	229050 • 229051
L226.2020.2.03.IK	20	20	110	41	50.5	32	18.55	f_1+w/2	25	229030
L226.2525.2.03.IK	25	25	123	39	50.5	32	23.55	f_1+w/2	25	229030
L226.2020.2.04.IK	20	20	110	41	50.5	32	17.7	f_1+w/2	25	229040
L226.2525.2.04.IK	25	25	123	39	50.5	32	22.7	f_1+w/2	25	229040
L226.2020.2.05.IK	20	20	110	41	50.5	32	17.2	f_1+w/2	25	229050 • 229051
L226.2525.2.05.IK	25	25	123	39	50.5	32	22.2	f_1+w/2	25	229050 • 229051

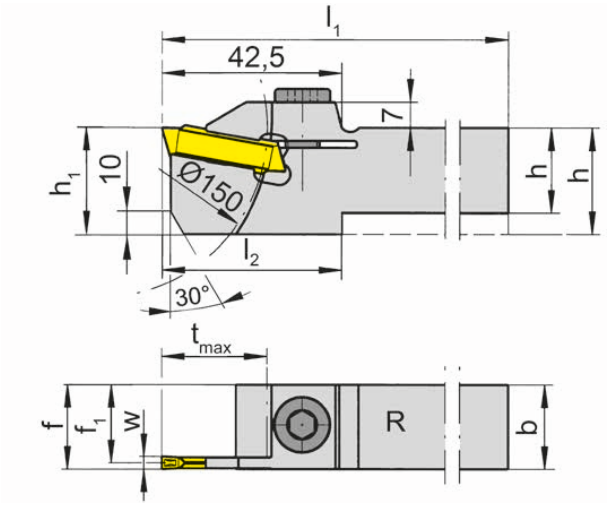
w见刀片
w see indexable inserts

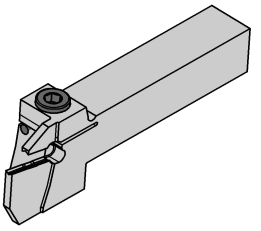
H

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/L226....	**6.23T25P**	**T25PQ**
L226.2020.2.05.IK	**6.23T25P**	**T25PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

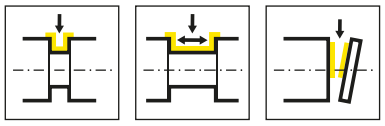
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R226.2525.07	25	25	150	42.5	32	21.2	f_1+w/2	25	6.1-8.0	229070 • 229071
R226.3225.07	32	25	170	-	32	21.2	f_1+w/2	25	6.1-8.0	229070 • 229071
R226.2525.08	25	25	150	42.5	32	21.2	f_1+w/2	25	7.6-8.0	229080 • 229081
R226.3225.08	32	25	170	-	32	21.2	f_1+w/2	25	7.6-8.0	229080 • 229081
L226.2525.07	25	25	150	42.5	32	21.2	f_1+w/2	25	6.1-8.0	229070 • 229071
L226.3225.07	32	25	170	-	32	21.2	f_1+w/2	25	6.1-8.0	229070 • 229071
L226.2525.08	25	25	150	42.5	32	20.2	f_1+w/2	25	7.6-8.0	229080 • 229081
L226.3225.08	32	25	170	-	32	21.2	f_1+w/2	25	7.6-8.0	229080 • 229081

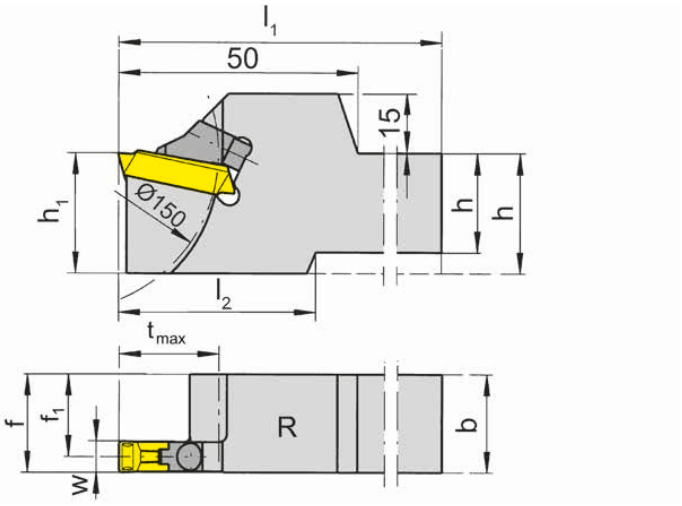
w见刀片
w see indexable inserts

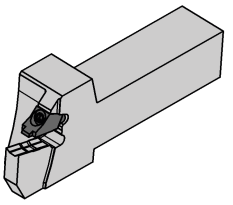
H

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw
R/L226...	**218.3**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

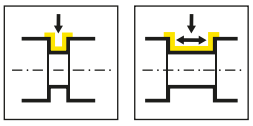
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R226.2525.09	25	25	150	50	32	20.2	f_1+w/2	25	8.1-10.4	229090 • 229091
R226.3225.09	32	25	170	-	32	20.2	f_1+w/2	25	8.1-10.4	229090 • 229091
L226.2525.09	25	25	150	50	32	20.2	f_1+w/2	25	8.1-10.4	229090 • 229091
L226.3225.09	32	25	170	-	32	20.2	f_1+w/2	25	8.1-10.4	229090 • 229091

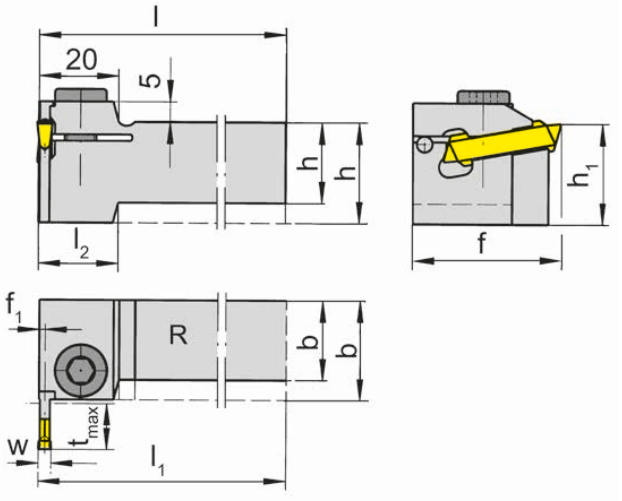
w见刀片
w see indexable inserts

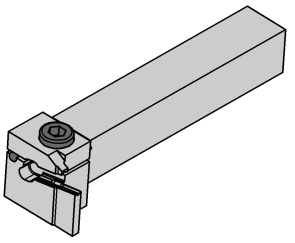
H

配件
Spare Parts

刀杆 Toolholder	**压板** Clamping element	**TORX PLUS®扳手** TORX PLUS® Wrench
R/L226...	**020.1008.0041**	**T15PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

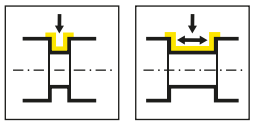
产品型号 Part number	h	b	l	l_1	l_2	h_1	f	f_1	t_{max}	夹持范围 Clamping range	HWS
R219.2020.03	20	20	150	l-f_1+w/2	20	25	37	1.45	11	3.0-4.0	229030
R219.2525.03	25	25	150	l-f_1+w/2	-	25	37	1.45	11	3.0-4.0	229030
R219.2020.04	20	20	150	l-f_1+w/2	20	25	37	2.3	11	4.0-5.0	229040
R219.2525.04	25	25	150	l-f_1+w/2	-	25	37	2.3	11	4.0-5.0	229040
R219.2020.05	20	20	150	l-f_1+w/2	23	25	45	2.8	15	5.1-6.0	229050 • 229051
R219.2525.05	25	25	150	l-f_1+w/2	-	25	45	2.8	15	5.1-6.0	229050 • 229051
R219.2020.07	20	20	150	l-f_1+w/2	23	25	45	3.8	15	6.1-8.0	229070 • 229071
R219.2525.07	25	25	150	l-f_1+w/2	-	25	45	3.8	15	6.1-8.0	229070 • 229071
L219.2020.03	20	20	150	l-f_1+w/2	20	25	37	1.45	11	3.0-4.0	229030
L219.2525.03	25	25	150	l-f_1+w/2	-	25	37	1.45	11	3.0-4.0	229030
L219.2020.04	20	20	150	l-f_1+w/2	20	25	37	2.3	11	4.0-5.0	229040
L219.2525.04	25	25	150	l-f_1+w/2	-	25	37	2.3	11	4.0-5.0	229040
L219.2020.05	20	20	150	l-f_1+w/2	23	25	45	2.8	15	5.1-6.0	229050 • 229051
L219.2525.05	25	25	150	l-f_1+w/2	-	25	45	2.8	15	5.1-6.0	229050 • 229051
L219.2020.07	20	20	150	l-f_1+w/2	23	25	45	3.8	15	6.1-8.0	229070 • 229071
L219.2525.07	25	25	150	l-f_1+w/2	-	25	45	3.8	15	6.1-8.0	229070 • 229071

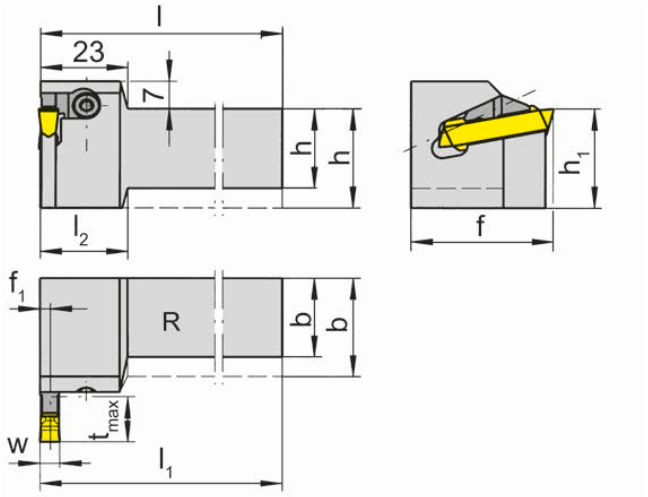
w见刀片
w see indexable inserts

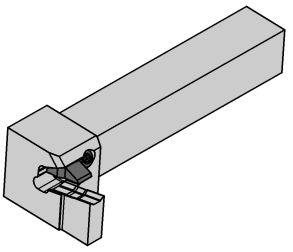
H

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw
R/L219...	**218.3**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

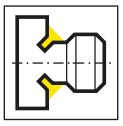
产品型号 Part number	h	b	l	l_1	l_2	h_1	f	f_1	t_{max}	夹持范围 Clamping range	HWS
R219.2020.09	20	20	150	l-f_1+w/2	23	25	45	4.8	15	8.1-10.4	229090 • 229091
R219.2525.09	25	25	150	l-f_1+w/2	-	25	45	4.8	15	8.1-10.4	229090 • 229091
L219.2020.09	20	20	150	l-f_1+w/2	23	25	45	4.8	15	8.1-10.4	229090 • 229091
L219.2525.09	25	25	150	l-f_1+w/2	-	25	45	4.8	15	8.1-10.4	229090 • 229091

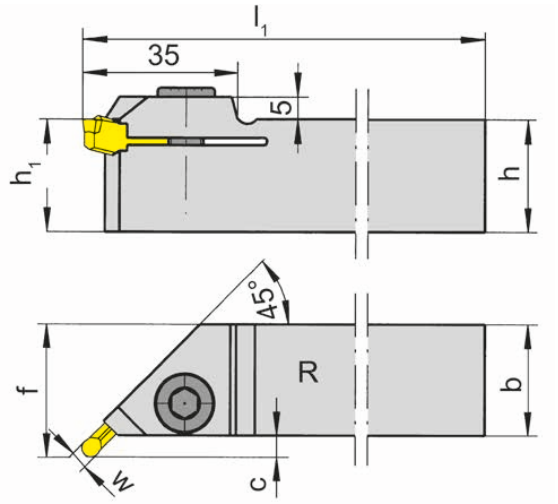
w见刀片
w see indexable inserts

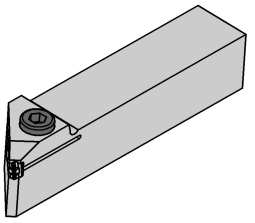
H

配件
Spare Parts

刀杆 Toolholder	**压板** Clamping element	**TORX PLUS®扳手** TORX PLUS® Wrench
L219....	**R218.9.32**	**T15PQ**
R219....	**L218.9.32**	**T15PQ**







R=右手型-如图
R = right hand version shown

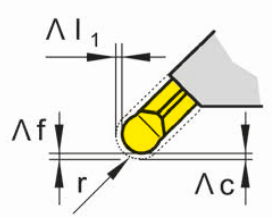
L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	h_1	f	C	D_{min}	槽宽 Width of groove	HWS
R225.2525.04	25	25	150	25	30	5	50	4.0-5.0	229040
R225.2525.05	25	25	150	25	30.5	5.5	50	5.1-6.0	229050 • 229051
L225.2525.04	25	25	150	25	30	5	50	4.0-5.0	229040
L225.2525.05	25	25	150	25	30.5	5.5	50	5.1-6.0	229050 • 229051

w见刀片
w see indexable inserts

H

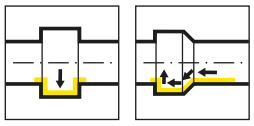
与半径 r 有关的修正系数Λ l_1, Λ c 和Λ f
Revision factor Λ l1, Λ c and Λ f in relation to radius r

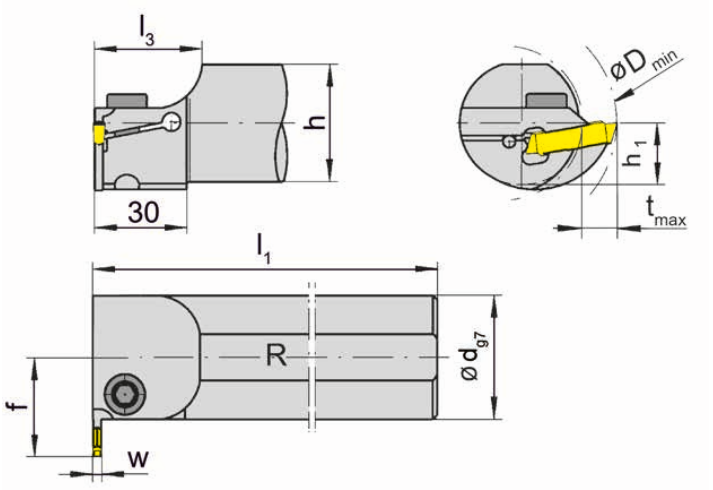


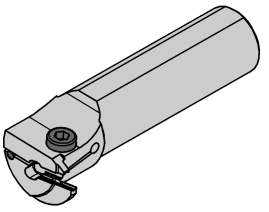
r	Λ l_1	Λ c	Λ f
2,5-3	0	0	0
2	-0,147	-0,147	-0,147
1,5	-0,293	-0,293	-0,293

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw
R/L225...	**218.3**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

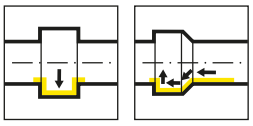
产品型号 Part number	d	l_1	l_3	h	h_1	f	t_{max}	D_{min}	HWS
R213.0032.0.03	32	150	35	30	15	28	11.5	46	229030
R213.0040.0.03	40	180	39.4	38	19	32	11.5	54	229030
R213.0032.0.04	32	150	35	30	15	28	11.5	46	229040
R213.0040.0.04	40	180	39.4	38	19	32	11.5	54	229040
R213.0032.0.05	32	150	35	30	15	28	11.5	46	229051
R213.0040.0.05	40	180	39.4	38	19	32	11.5	54	229051
L213.0032.0.03	32	150	35	30	15	28	11.5	46	229030
L213.0040.0.03	40	180	39.4	38	19	32	11.5	54	229030
L213.0032.0.04	32	150	35	30	15	28	11.5	46	229040
L213.0040.0.04	40	180	39.4	38	19	32	11.5	54	229040
L213.0032.0.05	32	150	35	30	15	28	11.5	46	229051
L213.0040.0.05	40	180	39.4	38	19	32	11.5	54	229051

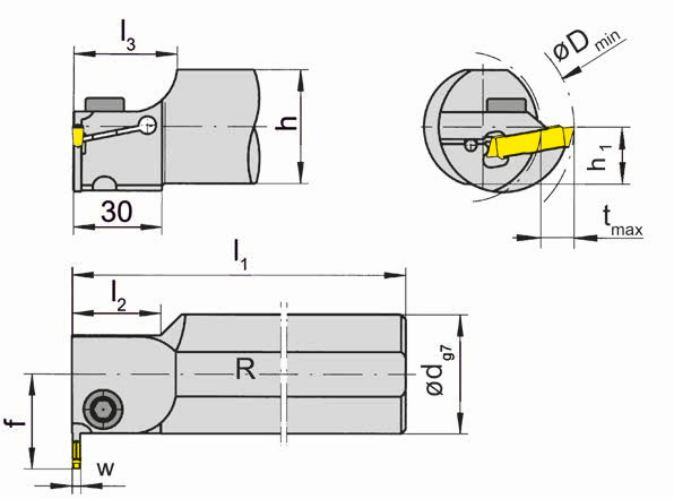
w见刀片
w see indexable inserts

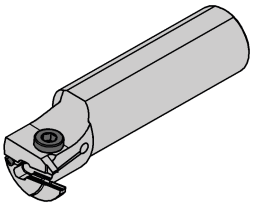
H

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw
R/L213...	**218.3**







R=右手型-如图
R = right hand version shown

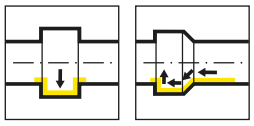
L=左手型
L = left hand version

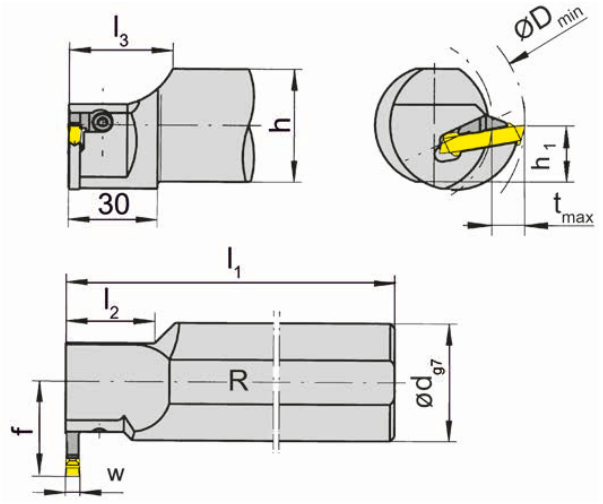
产品型号 Part number	d	l_1	l_2	l_3	h	h_1	f	t_{max}	D_{min}	HWS
R213.0025.03	25	150	-	31.8	23	11.5	24.5	7.5	38	229030
R213.0032.03	32	150	30	35	30	15	28	7.5	38	229030
R213.0040.03	40	180	30	37.4	38	19	32	11.5	50	229030
R213.0050.03	50	200	30	39.1	47	23.5	40.5	15	60	229030
R213.0025.04	25	150	-	31.8	23	11.5	24.5	7.5	38	229040
R213.0032.04	32	150	30	35	30	15	28	7.5	38	229040
R213.0040.04	40	180	30	37.4	38	19	32	11.5	50	229040
R213.0050.04	50	200	30	39.1	47	23.5	40.5	15	60	229040
R213.0032.05	32	150	-	35	30	15	28	11.5	46	229051
R213.0040.05	40	180	30	35	38	19	32	11.5	50	229051
R213.0050.05	50	200	30	40	47	23.5	40.5	15	60	229051
R213.0040.07	40	180	30	35	38	19	32	11.5	50	229070 • 229071
R213.0050.07	50	200	30	40	47	23.5	40.5	15	60	229070 • 229071
L213.0025.03	25	150	-	31.8	23	11.5	24.5	7.5	38	229030
L213.0032.03	32	150	30	35	30	15	28	7.5	38	229030
L213.0040.03	40	180	30	37.4	38	19	32	11.5	50	229030
L213.0050.03	50	200	30	39.1	47	23.5	40.5	15	60	229030
L213.0025.04	25	150	-	31.8	23	11.5	24.5	7.5	38	229040
L213.0032.04	32	150	-	35	30	15	28	7.5	38	229040
L213.0040.04	40	180	30	37.4	38	19	32	11.5	50	229040
L213.0050.04	50	200	30	39.1	47	23.5	40.5	15	60	229040
L213.0032.05	32	150	-	35	30	15	28	11.5	46	229051
L213.0040.05	40	180	30	35	38	19	32	11.5	50	229051
L213.0050.05	50	200	30	40	47	23.5	40.5	15	60	229051
L213.0040.07	40	180	30	35	38	19	32	11.5	50	229070 • 229071
L213.0050.07	50	200	30	40	47	23.5	40.5	15	60	229070 • 229071

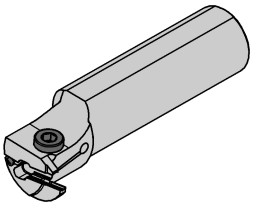
w见刀片
w see indexable inserts
当孔径大于Dmin 46 mm时可以达到最大切深tmax=11.5 mm
The full depth of cut tmax = 11,5 mm will be reached from Dmin 46 mm

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw
R/L213...	**218.3**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

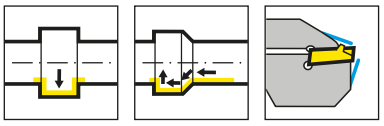
产品型号 Part number	d	l_1	l_2	l_3	h	h_1	f	t_{max}	D_{min}	HWS
R213.0040.09	40	180	30	35	38	19	32	11.5	50	229090 • 229091
R213.0050.09	50	200	30	40	47	23.5	40.5	15	60	229090 • 229091
L213.0040.09	40	180	30	35	38	19	32	11.5	50	229090 • 229091
L213.0050.09	50	200	30	40	47	23.5	40.5	15	60	229090 • 229091

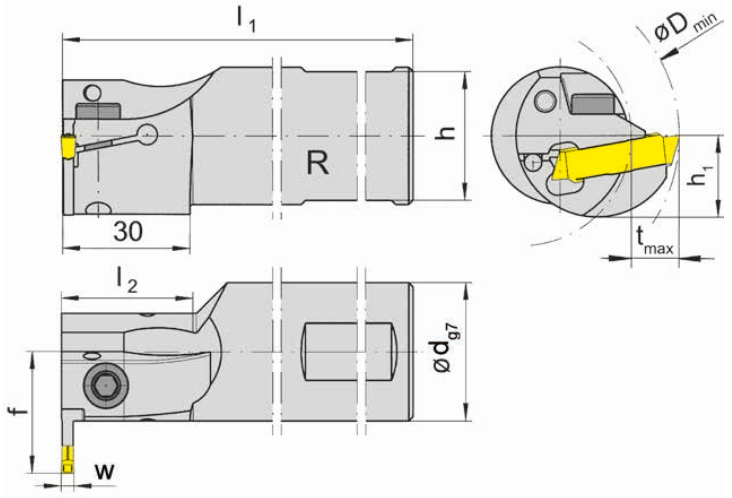
w见刀片
w see indexable inserts

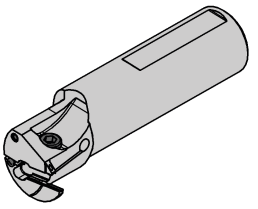
H

配件
Spare Parts

刀杆 Toolholder	压板 Clamping element	TORX PLUS®扳手 TORX PLUS® Wrench
L213.0...	**R218.9**	**T15PQ**
R213.0...	**L218.9**	**T15PQ**







R=右手型-如图
R = right hand version shown

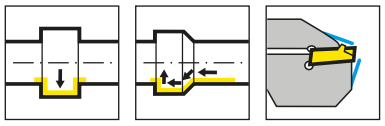
L=左手型
L = left hand version

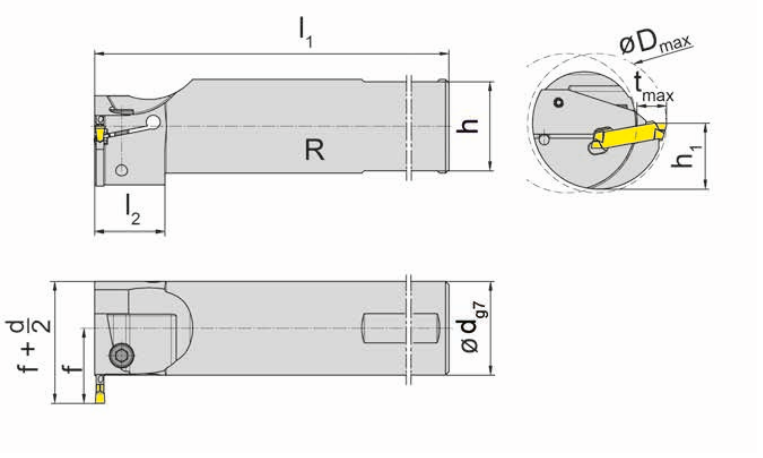
产品型号 Part number	d	l_1	l_2	h	h_1	f	t_{max}	D_{min}	HWS
R213.0025.03IK	25	150	-	23	11.5	24.5	7.5	38	229030
R213.0025.04IK	25	150	-	23	11.5	24.5	7.5	38	229040
R213.0032.03IK	32	150	30	30	15	28	7.5	38	229030
R213.0032.04IK	32	150	30	30	15	28	7.5	38	229040
R213.0040.03IK	40	180	30	38	19	32	11.5	50	229030
R213.0040.04IK	40	180	30	38	19	32	11.5	50	229040
L213.0025.03IK	25	150	-	23	11.5	24.5	7.5	38	229030
L213.0025.04IK	25	150	-	23	11.5	24.5	7.5	38	229040
L213.0032.03IK	32	150	30	30	15	28	7.5	38	229030
L213.0032.04IK	32	150	30	30	15	28	7.5	38	229040
L213.0040.03IK	40	180	30	38	19	32	11.5	50	229030
L213.0040.04IK	40	180	30	38	19	32	11.5	50	229040

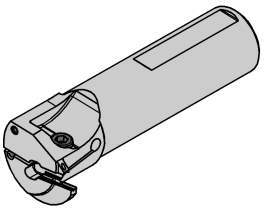
w见刀片
w see indexable inserts

请注意刀杆柄径为Ø 25或32mm
当孔径大于Dmin 46 mm时可以达到最大切深tmax=11.5 mm
Note toolholder with shank-Ø 25 or 32 mm
The full depth of cut tmax = 11,5 mm will be reached from Dmin 46 mm

H







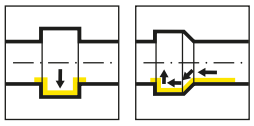
R=右手型-如图
R = right hand version shown

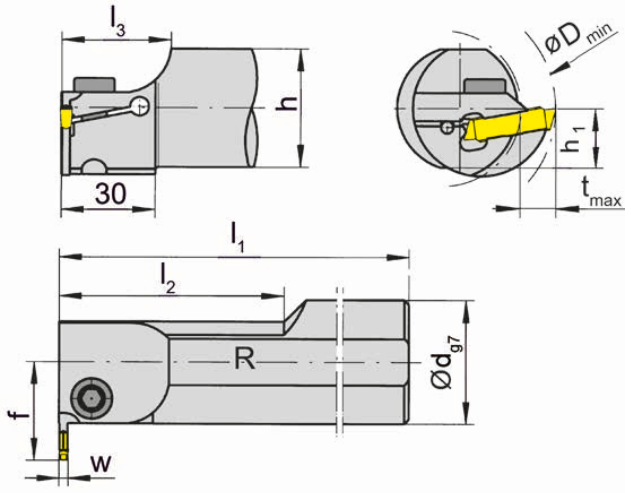
L=左手型
L = left hand version

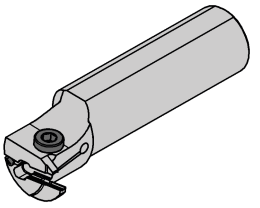
产品型号 Part number	d	l_1	l_2	h	h_1	f	t_{max}	D_{min}	HWS
R213.0032.0.03IK	32	150	30	30	15	28	11.5	46	229030
R213.0032.0.04IK	32	150	30	30	15	28	11.5	46	229040
R213.0040.0.04IK	40	180	30	38	19	32	11.5	54	229040
R213.0040.0.05IK	40	180	30	38	19	32	11.5	54	229051
L213.0032.0.03IK	32	150	30	30	15	28	11.5	46	229030
L213.0032.0.04IK	32	150	30	30	15	28	11.5	46	229040
L213.0040.0.04IK	40	180	30	38	19	32	11.5	54	229040
L213.0040.0.05IK	40	180	30	38	19	32	11.5	54	229051

w见刀片
w see indexable inserts

H







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

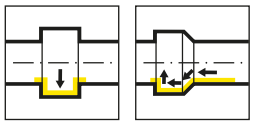
产品型号 Part number	d	l_1	l_2	l_3	h	h_1	f	t_{max}	D_{min}	HWS
R214.0032.03	32	200	70	35	30	15	28	7.5	38	229030
R214.0040.03	40	250	80	35	38	19	32	11.5	50	229030
R214.0050.03	50	250	100	40	47	23.5	40.5	15	60	229030
R214.0032.04	32	200	70	35	30	15	28	7.5	38	229040
R214.0040.04	40	250	80	35	38	19	32	11.5	50	229040
R214.0050.04	50	250	100	40	47	23.5	40.5	15	60	229040
R214.0032.05	32	200	-	35	30	15	28	11.5	46	229050 • 229051
R214.0040.05	40	250	80	35	38	19	32	11.5	50	229050 • 229051
R214.0050.05	50	250	100	40	47	23.5	40.5	15	60	229050 • 229051
R214.0040.07	40	250	80	35	38	19	32	11.5	50	229070 • 229071
R214.0050.07	50	250	100	40	47	23.5	40.5	15	60	229070 • 229071
L214.0032.03	32	200	70	35	30	15	28	7.5	38	229030
L214.0040.03	40	250	80	35	38	19	32	11.5	50	229030
L214.0050.03	50	250	100	40	47	23.5	40.5	15	60	229030
L214.0032.04	32	200	70	35	30	15	28	7.5	38	229040
L214.0040.04	40	250	80	35	38	19	32	11.5	50	229040
L214.0050.04	50	250	100	40	47	23.5	40.5	15	60	229040
L214.0032.05	32	200	-	35	30	15	28	11.5	46	229050 • 229051
L214.0040.05	40	250	80	35	38	19	32	11.5	50	229050 • 229051
L214.0050.05	50	250	100	40	47	23.5	40.5	15	60	229050 • 229051
L214.0040.07	40	250	80	35	38	19	32	11.5	50	229070 • 229071
L214.0050.07	50	250	100	40	47	23.5	40.5	15	60	229070 • 229071

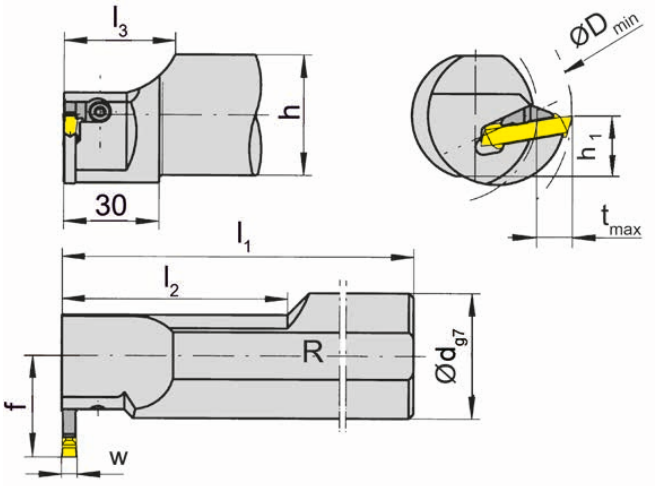
w见刀片
w see indexable inserts

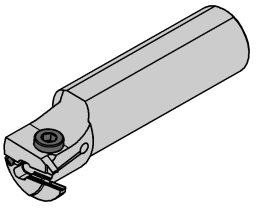
请注意刀杆柄径为Ø 25或32mm
当孔径大于Dmin 46 mm时可以达到最大切深tmax=11.5 mm
Note toolholder with shank-Ø 25 or 32 mm
The full depth of cut tmax = 11,5 mm will be reached from Dmin 46 mm

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw
R/L214...	**218.3**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	d	l_1	l_2	l_3	h	h_1	f	t_{max}	D_{min}	HWS
R214.0040.09	40	250	80	35	38	19	32	11.5	50	229090 • 229091
R214.0050.09	50	250	100	40	47	23.5	40.5	15	60	229090 • 229091
L214.0040.09	40	250	80	35	38	19	32	11.5	50	229090 • 229091
L214.0050.09	50	250	100	40	47	23.5	40.5	15	60	229090 • 229091

w见刀片
w see indexable inserts

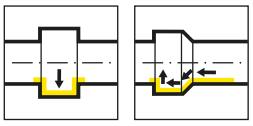
H

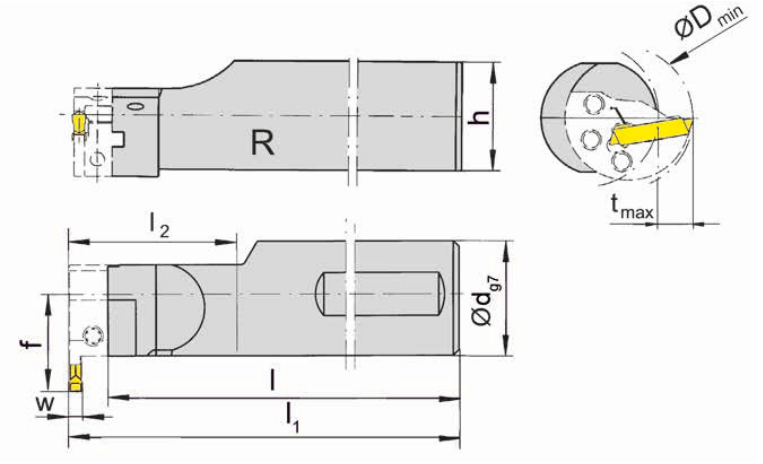
配件
Spare Parts

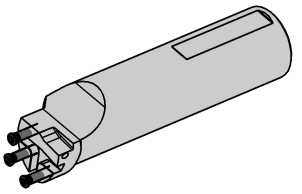
刀杆 Toolholder	压板 Clamping element	TORX PLUS®扳手 TORX PLUS® Wrench
L214.0...	**R218.9**	**T15PQ**
R214.0...	**L218.9**	**T15PQ**

常规刀柄
Basic toolholder

B229







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	d	l	l_2	h	f	HWS
RB229.0040.1.K2	40	172.5	30	38	35.5	BK2291
RB229.0040.2.K2	40	185.5	60	38	35.5	BK2291
LB229.0040.1.K2	40	172.5	30	38	35.5	BK2292
LB229.0040.2.K2	40	185.5	60	38	35.5	BK2292

w见刀片
w see indexable inserts

Dmin, tmax, w和 b1 尺寸, 见刀夹
Dimensions for Dmin, tmax and b1 see cassettes

注意事项:
用于刀夹 BK229 **不提供内冷**
Note:
For cassettes BK229 without coolant supply

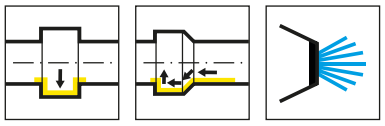
H

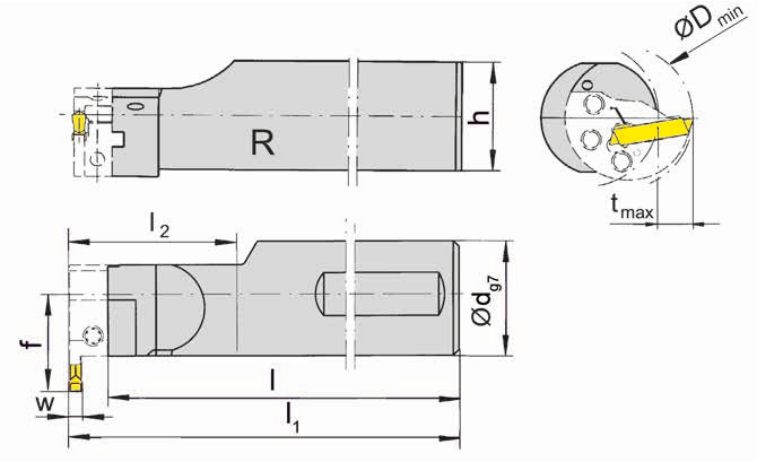
配件
Spare Parts

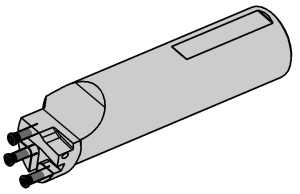
常规刀柄 Basic toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LB229...	**030.0518.T20P**	**T20PQ**

常规刀柄
Basic toolholder

B229







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	d	l	l_2	h	f	HWS
RB229.0040.1.K2.IK	40	172.5	30	38	35.5	BK2291
RB229.0040.2.K2.IK	40	185.5	60	38	35.5	BK2291
LB229.0040.1.K2.IK	40	172.5	30	38	35.5	BK2292
LB229.0040.2.K2.IK	40	185.5	60	38	35.5	BK2292

w见刀片
w see indexable inserts

注意事项：
用于刀夹 BK229 **提供内冷**
Note:
For cassettes BK229 with coolant supply

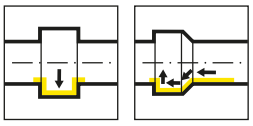
H

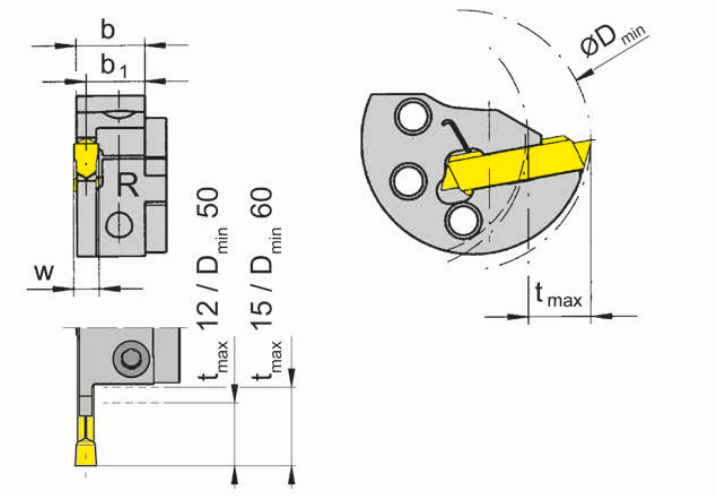
配件
Spare Parts

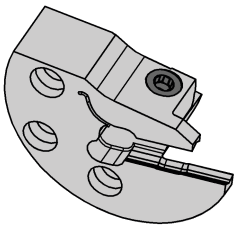
常规刀柄 Basic toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LB229...	**030.0518.T20P**	**T20PQ**

刀夹
Cassette

BK229







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	b	b_1	夹持范围 Clamping range	HWS	HMS
RBK229.0050.03	14.25	13	3.00-4.00	229030	BK2291
RBK229.0050.04	14.2	12.5	4.00-5.09	229040	BK2291
RBK229.0050.05	13.85	11.5	5.10-6.00	229050 • 229051	BK2291
LBK229.0050.03	14.25	13	3.00-4.00	229030	BK2292
LBK229.0050.04	14.2	12.5	4.00-5.09	229040	BK2292
LBK229.0050.05	13.85	11.5	5.10-6.00	229050 • 229051	BK2292

w见刀片
w see indexable inserts

注意事项：

用于基础刀柄 B229 不提供内冷
Note:
For basic toolholder B229 without coolant supply

锁紧螺钉包含在刀杆内,不需要单独订购
The fastening screw is combined with the basic toolholder - no seperate order required.

切槽深度与孔径ø的关系
Depth of groove in relation to bore ø

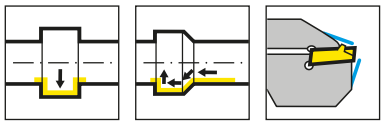
Dmin	tmax
50	12
60	15

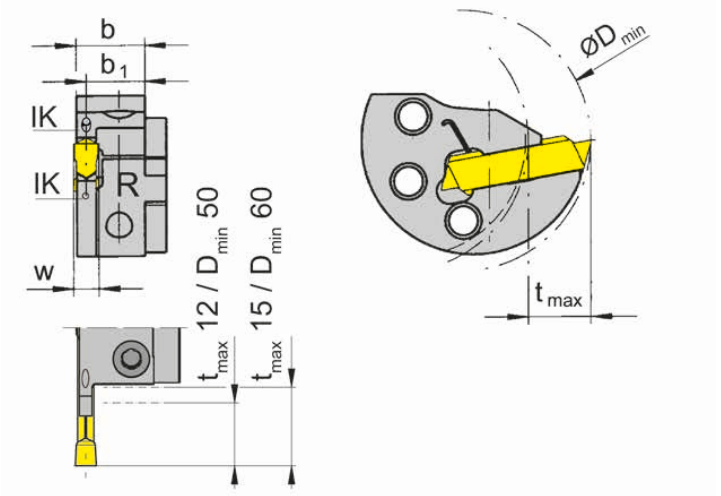
配件
Spare Parts

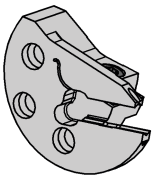
刀夹 Cassette	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LBK229...	**5.13T20EP**	**T20PQ**

刀夹
Cassette

BK229







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	b	b_1	夹持范围 Clamping range	HWS	HMS
RBK229.0050.03.IK	14.2	13	3.00-4.00	229030	BK2291
RBK229.0050.04.IK	14.15	12.5	4.00-5.09	229040	BK2291
RBK229.0050.05.IK	13.8	11.5	5.10-6.00	229050 • 229051	BK2292
LBK229.0050.03.IK	14.2	13	3.00-4.00	229030	BK2292
LBK229.0050.04.IK	14.15	12.5	4.00-5.09	229040	BK2292
LBK229.0050.05.IK	13.8	11.5	5.10-6.00	229050 • 229051	BK2292

w见刀片
w see indexable inserts

注意事项：
用于基础刀柄 B229 **提供内冷**

Note:
For basic toolholder B229 with coolant supply

锁紧螺钉包含在刀杆内,不需要单独订购
The fastening screw is combined with the basic toolholder - no seperate order required.

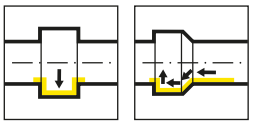
切槽深度与孔径ø的关系
Depth of groove in relation to bore ø

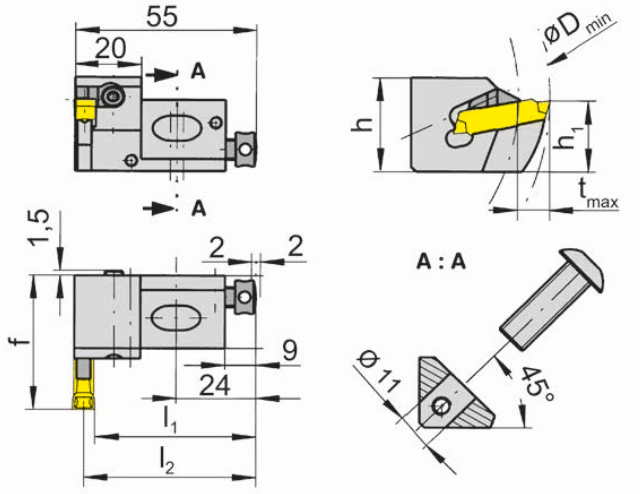
Dmin	tmax
50	12
60	15

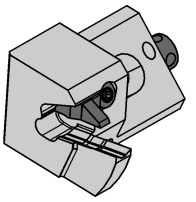
H

配件
Spare Parts

刀夹 Cassette	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LBK229...	**5.13T20EP**	**T20PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

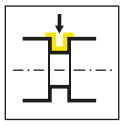
产品型号 Part number	h	h_1	f	l_2	l_1
R257.2222.05	29	22	42	52.2	l_2-w/2
R257.2222.07	29	22	42	51.2	l_2-w/2
R257.2222.09	29	22	42	50.2	l_2-w/2
L257.2222.05	29	22	42	52.2	l_2-w/2
L257.2222.07	29	22	42	51.2	l_2-w/2
L257.2222.09	29	22	42	50.2	l_2-w/2

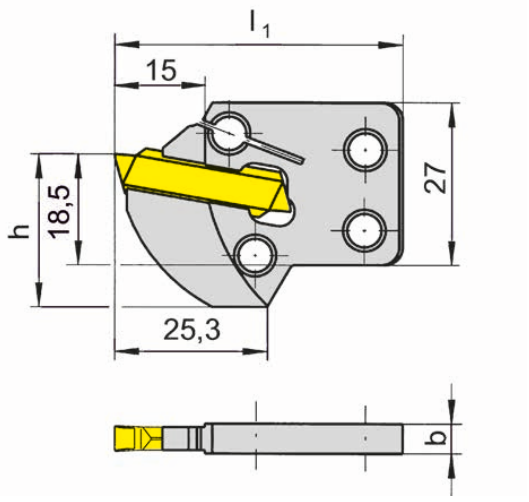
w见刀片
w see indexable inserts

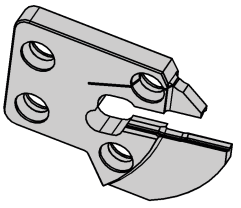
H

配件
Spare Parts

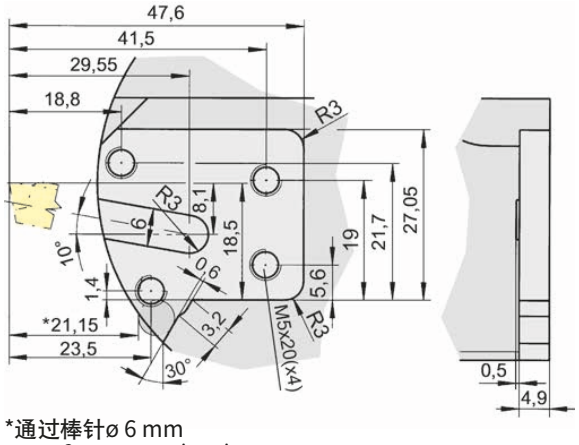
刀夹 Cartridge	**锁紧螺钉** Clamping Screw	**螺钉** Screw	**压板** Clamping element	**TORX PLUS®扳手** TORX PLUS® Wrench
R/L257.2222.05	**218.3**	**6.12.020**		
R/L257.2222.07	**4.08.913**	**6.12.020**	**R218.5.7.32**	**T15PQ**
R/L257.2222.09	**4.08.913**	**6.12.020**	**R218.9.32**	**T15PQ**







产品型号 Part number	D_{min}	$D_{min}2$	t_{max}	t_{max}	b	l_1	h	夹持范围 Clamping range	夹持范围 Clamping range	HWS	HMS
050.1827.0009	62	80	10-14	14	4.9	47	18.5	4.00-5.09	5.09	229040	500000
050.1827.0071	62	80	10-14	14	4.9	47	18.5	3.00-4.00	4	229030	500000

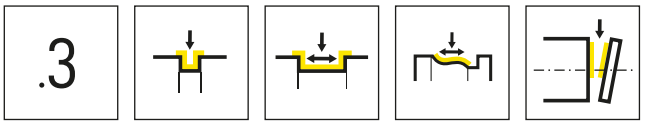


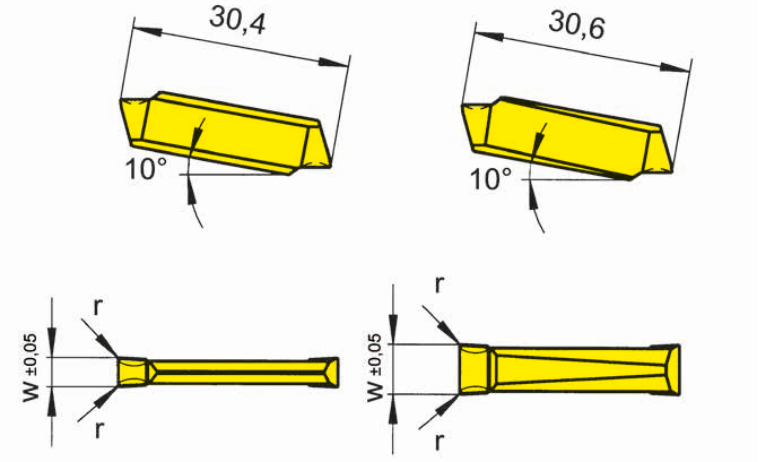
*通过棒针ø 6 mm
over ø 6 mm measuring pin

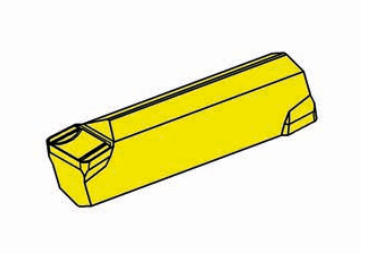
H

可转位刀片
Indexable insert

S229







宽度 3 - 5 mm
Width 3 - 5 mm

宽度 6 - 10 mm
Width 6 - 10 mm

硬质合金牌号
Carbide grades

▲ 库存
on stock

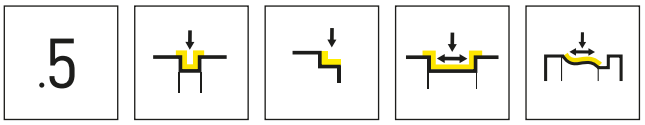
Δ 4周
4 weeks

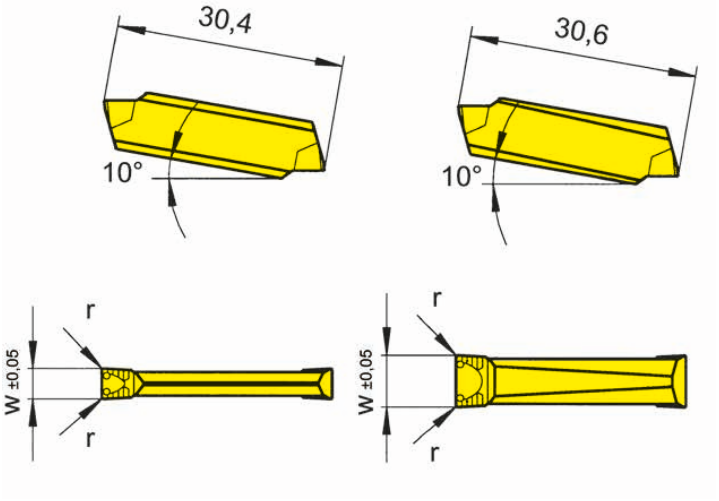
产品型号 Part number	w	r	HIS	MG12	P20	AL96	AS62	AS66	H54	IG66	TA45	TC92	TF42	TF45	TI22	TI25	TN32	TN35
S229.0300.32	3	0.2	229020 • 229030	▲	Δ	▲	▲	▲	▲	▲	Δ	▲		▲	▲	▲	▲	▲
S229.0300.34	3	0.4	229020 • 229030	Δ	Δ	▲	▲	▲	▲	▲		▲		▲	Δ	▲	▲	▲
S229.0400.32	4	0.2	229030 • 229040	Δ	Δ	▲	▲	▲	▲	▲	Δ	▲		▲		▲	▲	▲
S229.0400.34	4	0.4	229030 • 229040	Δ	Δ	▲	▲	▲	▲	▲		▲	▲	▲	Δ	▲	▲	▲
S229.0500.34	5	0.4	229040	Δ	Δ	▲	▲	▲	Δ	▲	Δ	▲		▲	▲	▲	▲	▲
S229.0500.36	5	0.6	229040		Δ				Δ	▲		Δ			Δ	Δ	Δ	Δ
S229.0600.34	6	0.4	229051	Δ	Δ	▲	▲	▲	Δ	▲	Δ	Δ		▲	Δ	▲	▲	▲
S229.0600.38	6	0.8	229051			▲	▲	▲		▲		▲			Δ			
S229.0700.36	7	0.6	229071	Δ	Δ	Δ	▲			▲		Δ				▲	Δ	▲
S229.0800.36	8	0.6	229071 • 229081	Δ	Δ		▲			▲		▲			▲	▲	▲	▲
S229.0800.38	8	0.8	229071 • 229081							▲		Δ					Δ	
S229.0800.3K	8	1.2	229071 • 229081							▲		Δ			Δ			
S229.1000.36	10	0.6	229091	Δ	Δ		▲			▲		Δ				▲	▲	▲
P				o	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M				-	-	-	-	o	●	●	●	-	-	●	-	●	-	●
K				-	-	●	-	●	-	-	●	-	-	●	-	●	-	●
N				-	-	●	-	●	-	-	●	-	-	●	-	●	-	●
S				-	-	-	-	o	-	o	●	-	-	●	-	●	-	●
H				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

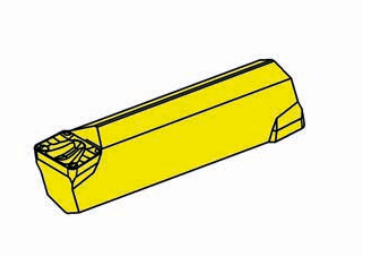
H

可转位刀片
Indexable insert

S229







宽度 3 - 5 mm
Width 3 - 5 mm

宽度 6 - 10 mm
Width 6 - 10 mm

硬质合金牌号
Carbide grades

▲ 库存
on stock

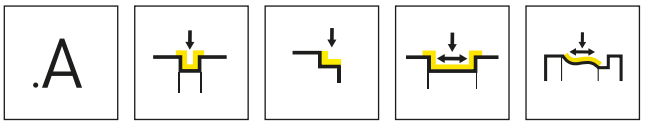
Δ 4周
4 weeks

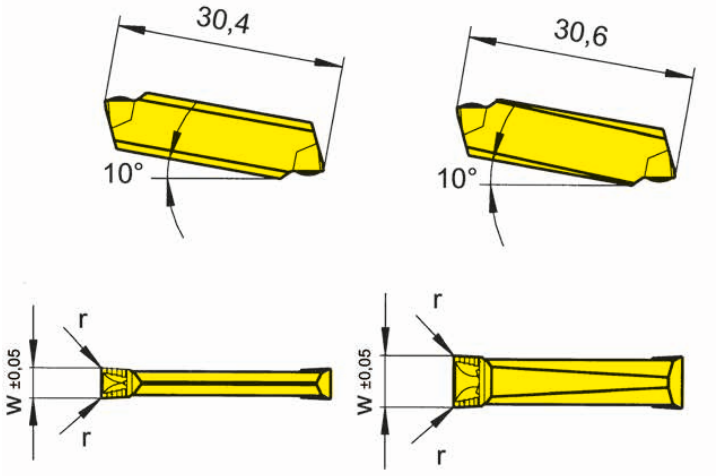
产品型号 Part number	w	r	HIS	P20	AL96	AS62	AS65	IG66	TC92	TF42	TF45	TI22	TI25	TN32	TN35
S229.0300.52	3	0.2	229020 • 229030	Δ		▲		▲	Δ		▲	▲	▲	▲	▲
S229.0300.54	3	0.4	229020 • 229030		Δ	▲		▲	Δ		▲	▲	▲	▲	
S229.0400.52	4	0.2	229030 • 229040	Δ	Δ	▲		▲	Δ		▲	▲	▲	▲	▲
S229.0400.54	4	0.4	229030 • 229040		Δ	▲		▲			▲	▲	▲	▲	▲
S229.0500.54	5	0.4	229040	Δ	Δ	▲		▲	▲		▲	▲	▲	▲	▲
S229.0500.56	5	0.6	229040					▲	Δ				Δ	Δ	Δ
S229.0600.54	6	0.4	229051	Δ	Δ	▲		▲	▲		▲		▲	▲	▲
S229.0600.56	6	0.6	229051		Δ			▲	Δ				Δ	Δ	Δ
S229.0600.58	6	0.8	229051			▲	Δ	▲							
S229.0700.56	7	0.6	229071	Δ		▲			Δ			▲		Δ	
S229.0800.56	8	0.6	229071 • 229081	Δ		▲		Δ	Δ			▲		▲	
S229.0800.58	8	0.8	229071 • 229081	Δ	Δ				Δ	Δ		Δ		Δ	
S229.0800.5K	8	1.2	229071 • 229081		Δ				Δ			Δ			
S229.1000.56	10	0.6	229091	Δ	Δ				Δ			▲		▲	
P				●	●	●	●	●	●	●	●	●	●	●	●
M				-	-	-	o	●	-	-	●	-	●	-	●
K				-	●	-	o	-	-	-	●	-	●	-	●
N				-	●	-	-	-	-	-	●	-	●	-	●
S				-	-	-	-	o	-	-	●	-	●	-	●
H				-	-	-	-	-	-	-	-	-	-	-	-

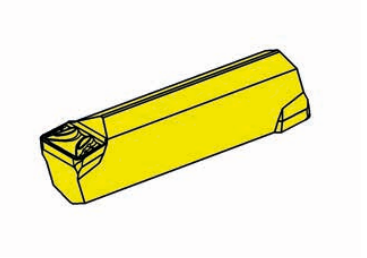
H

可转位刀片
Indexable insert

S229







宽度 3 - 5 mm
Width 3 - 5 mm

宽度 6 - 10 mm
Width 6 - 10 mm

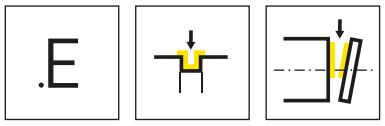
硬质合金牌号
Carbide grades

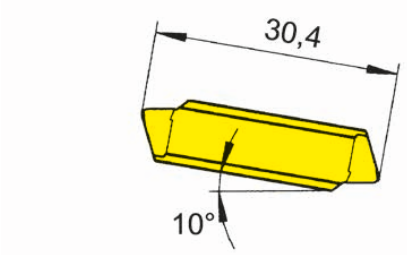
▲ 库存
on stock

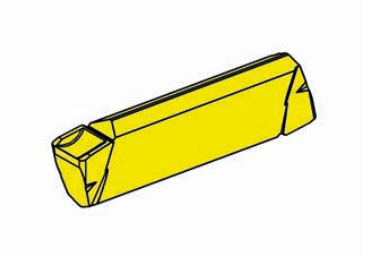
Δ 4周
4 weeks

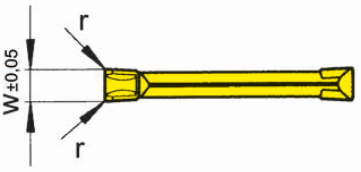
产品型号 Part number	w	r	HIS	P20	AL96	AS62	IG66	TC92	TF42	TF45	TI22	TI25	TN32	TN35
S229.0300.A2	3	0.2	229020 • 229030	Δ	Δ	▲		Δ		▲	▲	▲	▲	▲
S229.0300.A4	3	0.4	229020 • 229030		Δ	▲				▲	Δ	▲	▲	▲
S229.0400.A2	4	0.2	229030 • 229040	Δ	Δ	▲		Δ		▲	Δ	▲	▲	▲
S229.0400.A4	4	0.4	229030 • 229040		Δ	▲		Δ	▲	Δ	▲	▲	▲	▲
S229.0500.A4	5	0.4	229040			▲	▲	Δ		Δ	▲	Δ	▲	▲
S229.0500.A6	5	0.6	229040		Δ	▲	▲	Δ				▲		
S229.0600.A4	6	0.4	229051	Δ		▲			Δ	▲	▲	Δ	▲	▲
S229.0600.A8	6	0.8	229051			▲			Δ					
S229.0700.A6	7	0.6	229071					Δ	▲				Δ	
S229.0800.A6	8	0.6	229071 • 229081				Δ		Δ		▲		▲	
S229.0800.A8	8	0.8	229071 • 229081				Δ		Δ		Δ			
S229.0800.AK	8	1.2	229071 • 229081								Δ			
S229.1000.A6	10	0.6	229091	Δ			Δ				Δ		Δ	
S229.1000.A8	10	0.8	229091								Δ			
P				●	●	●	●	●	●	●	●	●	●	●
M				-	-	-	●	-	-	●	-	●	-	●
K				-	●	-	-	-	-	●	-	●	-	●
N				-	●	-	-	-	-	●	-	●	-	●
S				-	-	-	o	-	-	●	-	●	-	●
H				-	-	-	-	-	-	-	-	-	-	-

H









硬质合金牌号
Carbide grades

▲ 库存
on stock

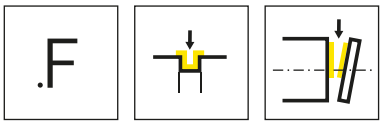
Δ 4周
4 weeks

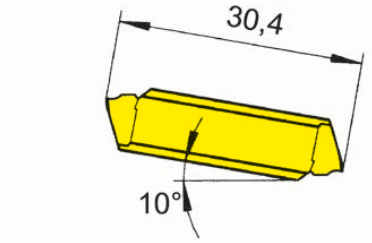
产品型号 Part number	w	r	HIS		AS62	TC92	TF45	TF46	TI25
S229.0300.E2	3	0.2	229020 • 229030		▲		▲	▲	▲
S229.0300.E4	3	0.4	229020 • 229030		▲	Δ	▲		
S229.0400.E2	4	0.2	229030 • 229040		▲	Δ	▲	Δ	▲
S229.0400.E4	4	0.4	229030 • 229040		▲	Δ	▲		
				P	●	●	●	●	●
				M	-	-	●	o	●
				K	-	-	●	●	●
				N	-	-	●	●	●
				S	-	-	●	o	●
				H	-	-	-	-	-

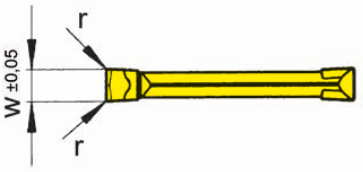
H

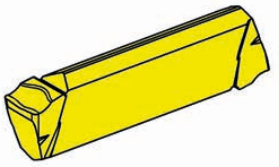
可转位刀片
Indexable insert

S229









硬质合金牌号
Carbide grades

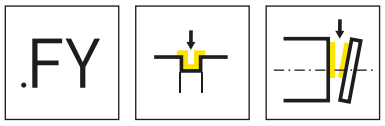
▲ 库存 on stock　　Δ 4周 4 weeks

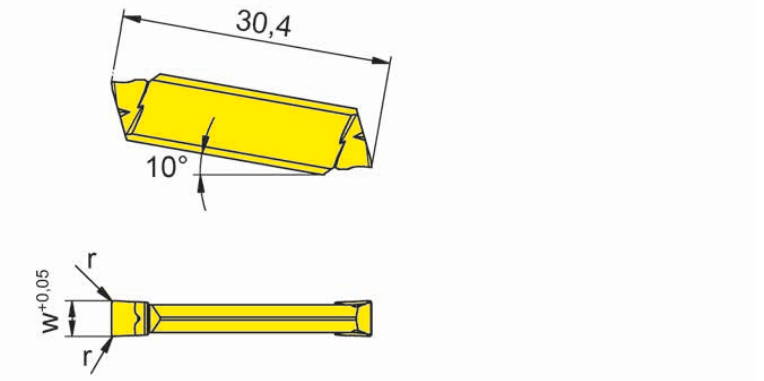
产品型号 Part number	w	r	HIS		TC92	TF43	TF45	TF46	TI22	TI25
S229.0300.F2	3	0.2	229020 • 229030		Δ	▲	▲	▲	▲	Δ
S229.0300.F4	3	0.4	229020 • 229030		Δ		▲	Δ		Δ
S229.0400.F2	4	0.2	229030 • 229040		Δ	Δ	▲	Δ		Δ
S229.0400.F4	4	0.4	229030 • 229040		Δ		▲	Δ		Δ
				P	●	●	●	●	●	●
				M	-	-	●	o	-	●
				K	-	-	●	●	-	●
				N	-	-	●	●	-	●
				S	-	-	●	o	-	●
				H	-	-	-	-	-	-

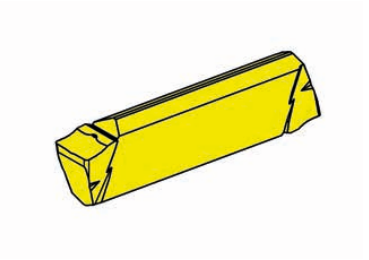
H

可转位刀片
Indexable insert

S229







硬质合金牌号
Carbide grades

▲ 库存
on stock

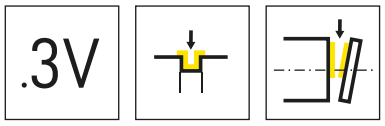
Δ 4周
4 weeks

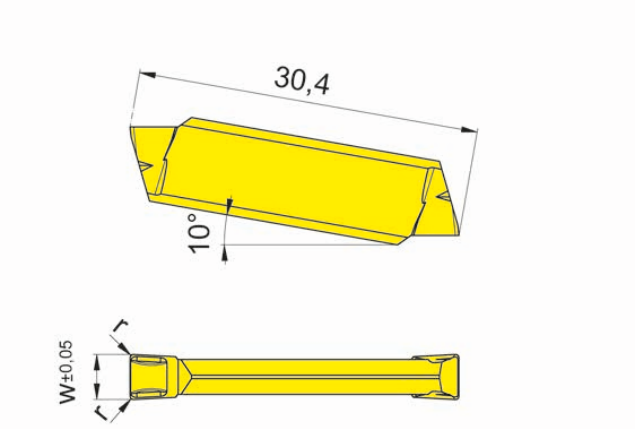
产品型号 Part number	w	r	HIS		HP65	IG35	PH35	TI25
S229.0300.FY2	3	0.2	229020 • 229030		▲	▲	Δ	▲
S229.0400.FY3	4	0.3	229030 • 229040		▲	▲	Δ	▲
				P	●	-	o	●
				M	●	●	o	●
				K	●	-	●	●
				N	o	-	-	●
				S	●	●	-	●
				H	-	-	-	-

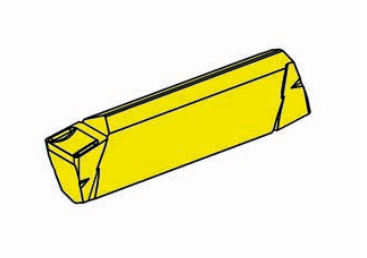
H

可转位刀片
Indexable insert

S229







硬质合金牌号
Carbide grades

▲ 库存
on stock

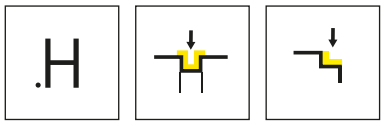
Δ 4周
4 weeks

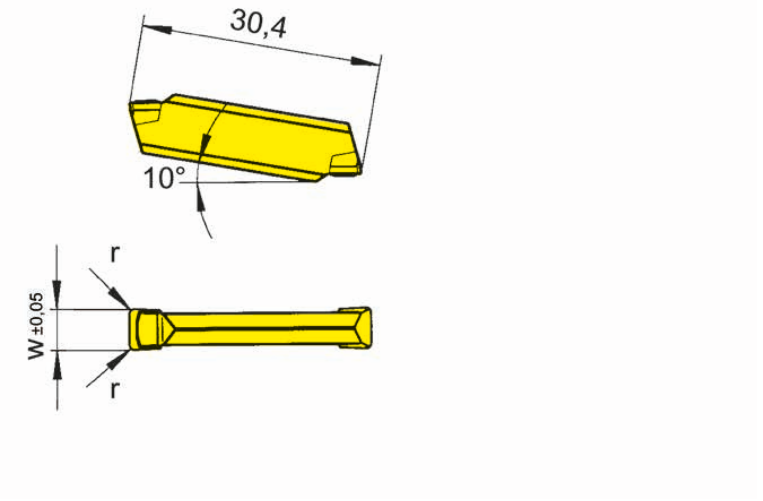
产品型号 Part number	w	r	HIS		AS45	HP65	IG35
S229.0300.3V2	3	0.2	229020 • 229030		▲	▲	▲
S229.0400.3V3	4	0.3	229030 • 229040		▲	▲	▲
				P	●	●	-
				M	●	●	●
				K	●	●	-
				N	o	o	-
				S	●	●	●
				H	-	-	-

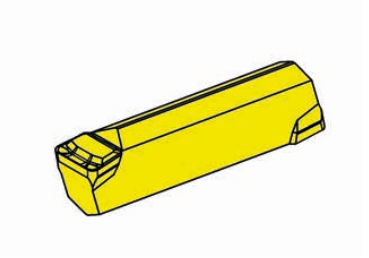
H

可转位刀片
Indexable insert

S229







硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

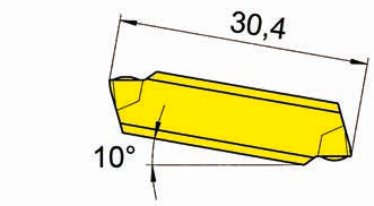
产品型号 Part number	w	r	HIS		AL96	TF42	TF46
S229.0300.H4	3	0.4	229020 • 229030		▲	Δ	
S229.0300.H6	3	0.6	229020 • 229030		▲	▲	
S229.0400.H4	4	0.4	229030 • 229040		Δ	▲	
S229.0400.H6	4	0.6	229030 • 229040		Δ	Δ	
S229.0400.H8	4	0.8	229030 • 229040		▲	▲	Δ
S229.0500.H4	5	0.4	229040		Δ	Δ	
S229.0500.H6	5	0.6	229040		Δ	Δ	
S229.0500.H8	5	0.8	229040		Δ	Δ	
S229.0600.H4	6	0.4	229051		Δ	▲	
S229.0600.H6	6	0.6	229051		Δ	Δ	
S229.0600.H8	6	0.8	229051		Δ	Δ	
S229.0600.HK	6	1.2	229051		Δ	Δ	
				P	●	●	●
				M	-	-	o
				K	●	-	●
				N	●	-	●
				S	-	-	o
				H	-	-	-

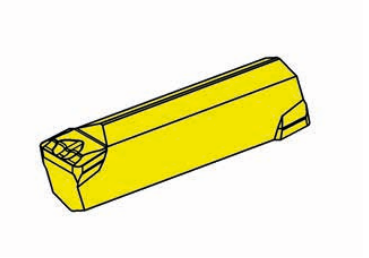
H

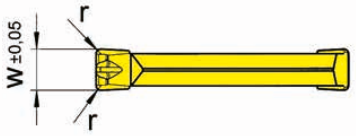
可转位刀片
Indexable insert

S229

.HR







硬质合金牌号
Carbide grades

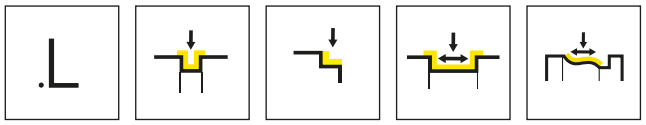
▲ 库存 on stock　　Δ 4周 4 weeks

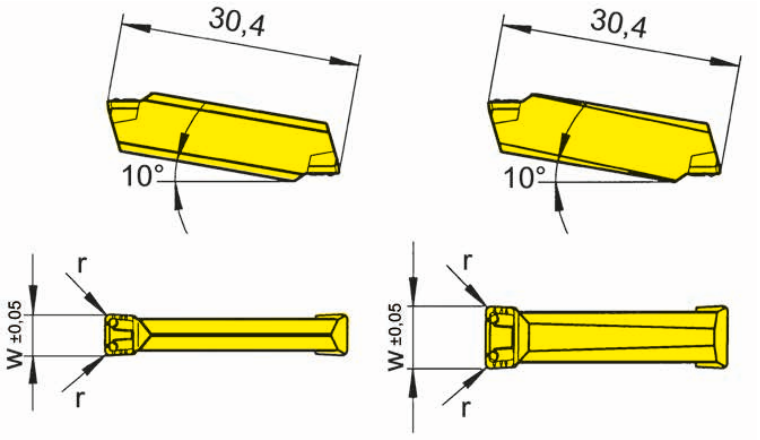
产品型号 Part number	w	r	HIS		AS62	AS66	IG66
S229.0300.HR4	3	0.4	229020 • 229030		▲	Δ	▲
S229.0400.HR4	4	0.4	229030 • 229040		▲	▲	▲
S229.0500.HR4	5	0.4	229040		▲	▲	▲
S229.0500.HR6	5	0.6	229040		▲	▲	▲
S229.0500.HR8	5	0.8	229040		▲	Δ	▲
S229.0600.HR4	6	0.4	229050		▲	▲	▲
S229.0600.HR6	6	0.6	229050		▲	▲	▲
S229.0600.HR8	6	0.8	229050		▲	Δ	▲
S229.0800.HR8.PG	8	0.8	229071 • 229081		▲		▲
				P	●	●	●
				M	-	o	●
				K	-	●	-
				N	-	●	-
				S	-	o	o
				H	-	-	-

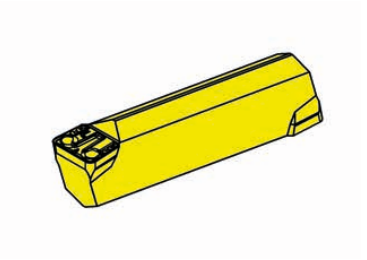
H

可转位刀片
Indexable insert

S229







宽度4 - 5 mm
Width 4 - 5 mm

宽度 6 - 8 mm
Width 6 - 8 mm

硬质合金牌号
Carbide grades

▲ 库存
on stock

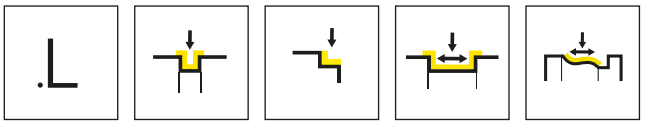
Δ 4周
4 weeks

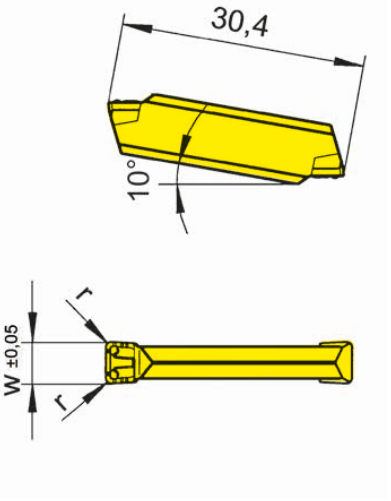
产品型号 Part number	w	r	HIS	AL96	AS62	AS65	AS66	IG65	IG66	TF42	TI22
S229.0300.L2	3	0.2	229020 • 229030			▲		▲			
S229.0300.L4	3	0.4	229020 • 229030			▲		▲			
S229.0300.L6	3	0.6	229020 • 229030			▲		▲			
S229.0300.L8	3	0.8	229020 • 229030			▲		▲			
S229.0400.L4	4	0.4	229030 • 229040	▲	▲		▲		▲	▲	▲
S229.0400.L6	4	0.6	229030 • 229040				▲		▲		
S229.0500.L4	5	0.4	229040	▲	▲		▲		▲	▲	▲
S229.0500.L6	5	0.6	229040	▲	▲		▲		▲	▲	
S229.0600.L4	6	0.4	229050	Δ	▲		▲		▲	▲	▲
S229.0500.L8	5	0.8	229040		▲		▲		▲		
S229.0600.L6	6	0.6	229050	Δ	▲		▲		▲	▲	▲
S229.0800.L6	8	0.6	229071	▲	▲		▲		▲	▲	▲
P				●	●	●	●	●	●	●	●
M				-	-	o	o	●	●	-	-
K				●	-	o	●	-	-	-	-
N				●	-	-	●	-	-	-	-
S				-	-	-	o	o	o	-	-
H				-	-	-	-	-	-	-	-

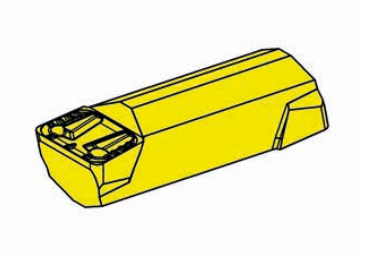
H

可转位刀片
Indexable insert

S229







硬质合金牌号
Carbide grades

▲ 库存
on stock

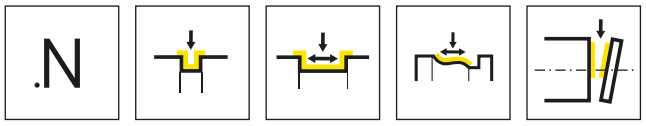
Δ 4周
4 weeks

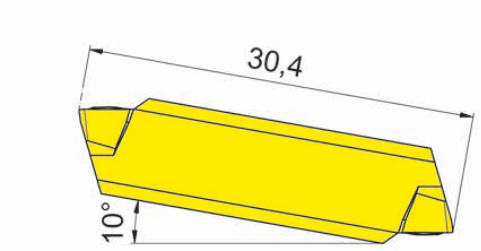
产品型号 Part number	w	r	HIS		AS62	IG66
S229.0600.L4.PG	6	0.4	229050		▲	▲
S229.0800.L8.PG	8	0.8	229071 • 229081		▲	▲
				P	●	●
				M	-	●
				K	-	-
				N	-	-
				S	-	o
				H	-	-

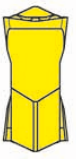
H

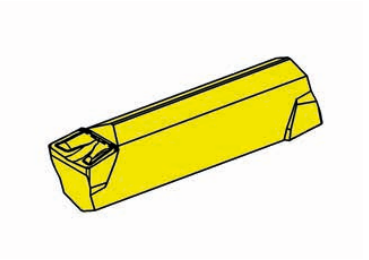
可转位刀片
Indexable insert

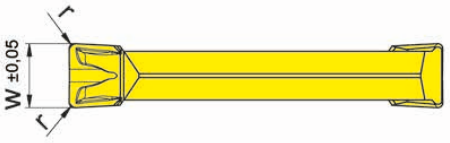
S229











硬质合金牌号
Carbide grades

▲ 库存
on stock

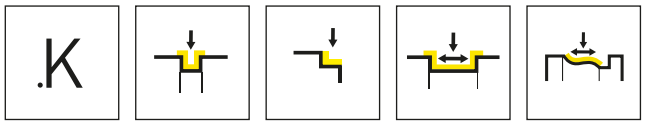
Δ 4周
4 weeks

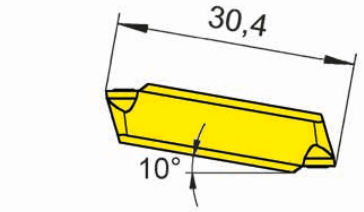
产品型号 Part number	w	r	HIS		AS45	AS62	DD25	IG66	TI25
S229.0300.N2.G	3	0.2	229020 • 229030		▲			▲	
S229.0300.N4.G	3	0.4	229020 • 229030		▲			▲	
S229.0400.N2.G	4	0.2	229030 • 229040		▲			▲	
S229.0400.N4.G	4	0.4	229030 • 229040		▲			▲	
S229.0500.N2.G	5	0.2	229040					▲	▲
S229.0500.N4.G	5	0.4	229040		▲	▲		▲	Δ
S229.0500.N6.G	5	0.6	229040		Δ	▲		▲	Δ
S229.0500.N8.G	5	0.8	229040			▲		▲	
S229.0600.N4.G	6	0.4	229050		▲			▲	Δ
S229.0600.N6.G	6	0.6	229050		▲			▲	Δ
				P	●	●	-	●	●
				M	●	-	-	●	●
				K	●	-	-	-	●
				N	o	-	●	-	●
				S	●	-	o	o	●
				H	-	-	-	-	-

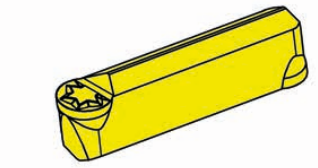
H

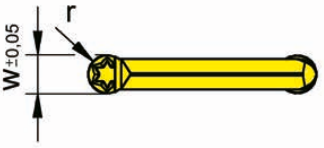
可转位刀片
Indexable insert

S229









硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	HIS	AS62	AS66	IG66
S229.0015.K3	3	1.5	229020 • 229030	▲	▲	▲
S229.0020.K4	4	2	229030 • 229040	▲	▲	▲
S229.0025.K5	5	2.5	229040	▲	▲	▲
S229.0030.K6	6	3	229050	▲	▲	▲
S229.0040.K8	8	4	229070 • 229080	▲		▲
				P	●	●	●
				M	-	o	●
				K	-	●	-
				N	-	●	-
				S	-	o	o
				H	-	-	-

H

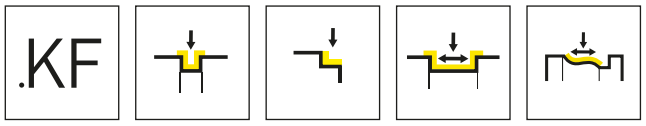
使用45° 刀杆加工退刀槽时各尺寸刀片要求的D_{min}

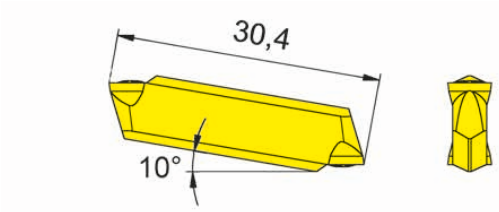
D_{min} for corner reliefs with toolholder 45°

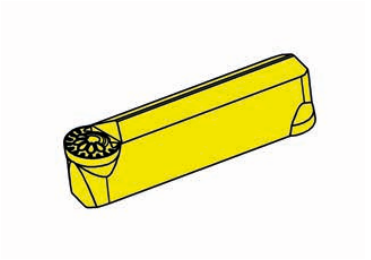
t_{max}	S229.0015.K3	S229.0020.K4	S229.0025.K5	S229.0030.K6
0.5	Ø 26	Ø 26	Ø 32	Ø 32
1.0	Ø 76	Ø 55	Ø 42	Ø 37
1.5	Ø 78	Ø 58	Ø 45	Ø 41
2.0	Ø 80	Ø 59	Ø 46	Ø 42
2.5	Ø 82	Ø 60	Ø 47	Ø 43
3.0	Ø 84	Ø 62	Ø 48	Ø 44
3.5	Ø 87	Ø 63	Ø 49	Ø 46
4.0	Ø 89	Ø 65	Ø 50	Ø 47

可转位刀片
Indexable insert

S229







硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

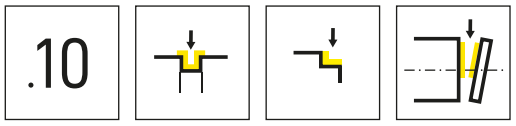
产品型号 Part number	w	r	HIS	AS66	IG66
S229.0015.KF3	3	1.5	229020 • 229030	▲	▲
S229.0020.KF4	4	2	229030 • 229040	▲	▲
S229.0025.KF5	5	2.5	229040	▲	▲
S229.0030.KF6	6	3	229050	▲	▲
S229.0040.KF8	8	4	229070 • 229080	▲	▲
				P	●	●
				M	o	●
				K	●	-
				N	●	-
				S	o	o
				H	-	-

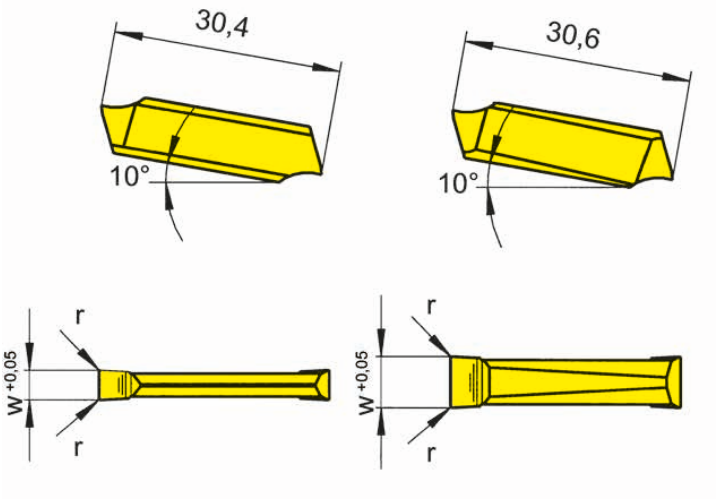
H

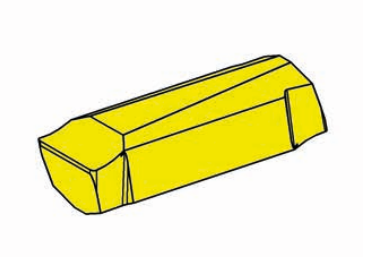
使用45° 刀杆加工退刀槽时各尺寸刀片要求的D_{min}

D_{min} for corner reliefs with toolholder 45°

t_{max}	S229.0015.KF3	S229.0020.KF4	S229.0025.KF5	S229.0030.KF6
0.5	Ø 26	Ø 26	Ø 32	Ø 32
1.0	Ø 76	Ø 55	Ø 42	Ø 37
1.5	Ø 78	Ø 58	Ø 45	Ø 41
2.0	Ø 80	Ø 59	Ø 46	Ø 42
2.5	Ø 82	Ø 60	Ø 47	Ø 43
3.0	Ø 84	Ø 62	Ø 48	Ø 44
3.5	Ø 87	Ø 63	Ø 49	Ø 46
4.0	Ø 89	Ø 65	Ø 50	Ø 47







槽宽2.5-5.0 mm
Width of groove 2,5 - 5,0 mm

宽度5.1-10.4mm
Width 5,1 - 10,4 mm

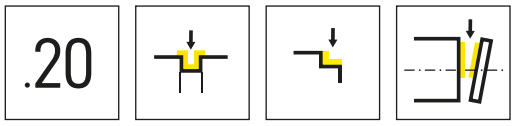
硬质合金牌号
Carbide grades

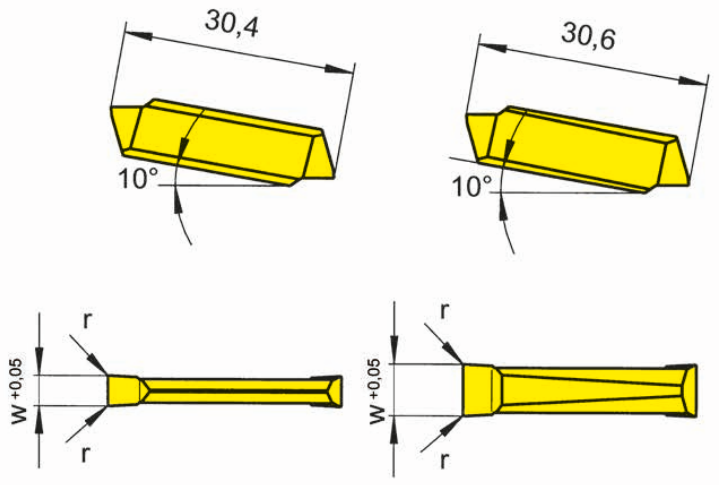
▲ 库存
on stock

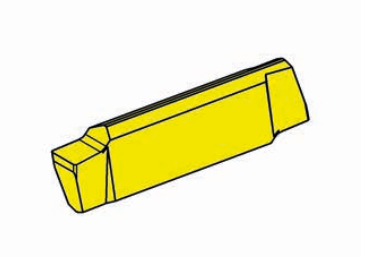
Δ 4周
4 weeks

产品型号 Part number	w	r	HIS	K10	MG12	P20	AS62	IG66	TC92	TN32	TN35	H20
229.0250.10	2.5	0.2	229020					▲		▲	▲	
229.0300.10	3	0.2	229020 • 229030	▲	▲	▲	▲	▲	▲	▲	▲	▲
229.0400.10	4	0.2	229030 • 229040	▲		▲	▲	▲	Δ	▲	Δ	
229.0500.10	5	0.2	229040	▲		▲	Δ	Δ	▲	▲	Δ	
229.0600.10	6	0.4	229051	Δ		Δ		Δ	Δ	Δ	Δ	
229.0700.10	7	0.4	229071	Δ		Δ		Δ	Δ	Δ	Δ	
229.0800.10	8	0.4	229071 • 229081	Δ		Δ		Δ	Δ	Δ	Δ	
229.0900.10	9	0.4	229091	Δ		Δ		Δ	Δ	Δ	Δ	
229.1000.10	10	0.4	229091	Δ		Δ		Δ	Δ	Δ	Δ	
P				●	o	●	●	●	●	●	●	●
M				o	-	-	-	●	-	-	●	o
K				●	-	-	-	-	-	-	●	-
N				●	-	-	-	-	-	-	●	-
S				o	-	-	-	o	-	-	●	-
H				-	-	-	-	-	-	-	-	-

H







宽度 3 - 5 mm
Width 3 - 5 mm

宽度5.1-10.4mm
Width 5,1 - 10,4 mm

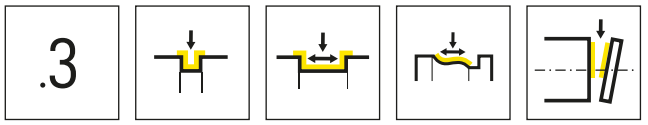
硬质合金牌号
Carbide grades

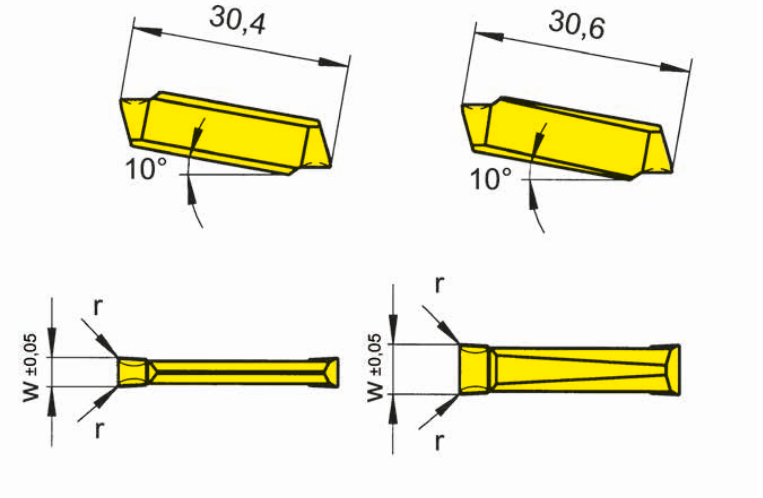
▲ 库存
on stock

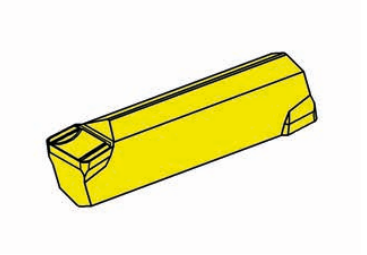
Δ 4周
4 weeks

产品型号 Part number	w	r	HIS	K10	AS62	IG66	TC92	TN32	H20
229.0300.20	3	0.2	229020 • 229030	▲	▲	Δ	▲		▲
229.0400.20	4	0.2	229030 • 229040	▲	▲	Δ	Δ	▲	
229.0500.20	5	0.2	229040	▲	▲	Δ	▲		
229.0600.20	6	0.4	229051	▲	▲	Δ	Δ		
229.0700.20	7	0.4	229071	▲		Δ			
229.0800.20	8	0.4	229071 • 229081	▲		Δ			
229.0900.20	9	0.4	229091	Δ		Δ			
229.1000.20	10	0.4	229091	Δ		Δ			
P				●	●	●	●	●	●
M				o	-	●	-	-	o
K				●	-	-	-	-	-
N				●	-	-	-	-	-
S				o	-	o	-	-	-
H				-	-	-	-	-	-

H







宽度 3 - 5 mm
Width 3 - 5 mm

宽度5.1-10.4mm
Width 5,1 - 10,4 mm

硬质合金牌号
Carbide grades

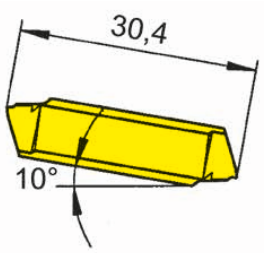
▲ 库存
on stock

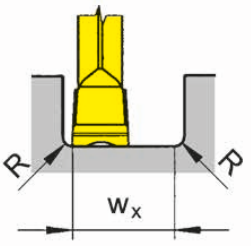
Δ 4周
4 weeks

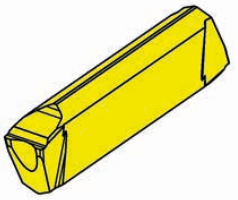
产品型号 Part number	w	r	HIS	K10	MG12	P20	AS62	IG66	TC92	TI22	TI25	TN32	TN35
229.0300.31	3	0.2	229020 • 229030	▲	▲	▲	▲	▲	▲		▲	▲	▲
229.0300.34	3	0.4	229020 • 229030			Δ	▲	▲	Δ			▲	▲
229.0350.31	3.5	0.2	229030					▲				▲	
229.0400.31	4	0.2	229030 • 229040	▲		▲	▲	▲	▲			▲	
229.0400.34	4	0.4	229030 • 229040			▲	▲	▲	Δ			▲	▲
229.0500.31	5	0.2	229040	▲		▲	▲	▲	Δ	▲		▲	
229.0500.34	5	0.4	229040			Δ	Δ	Δ	Δ			▲	▲
229.0500.36	5	0.6	229040					Δ	Δ			Δ	
229.0600.31	6	0.4	229051			▲	Δ	Δ	▲			▲	
229.0600.38	6	0.8	229051				Δ	Δ	Δ			Δ	
229.0700.31	7	0.4	229071			Δ	Δ	Δ	Δ			▲	
229.0800.31	8	0.4	229071 • 229081			▲	▲	Δ				▲	
229.0900.31	9	0.4	229091			Δ	▲	Δ	▲			▲	
229.1000.31	10	0.4	229091			Δ	Δ	Δ				▲	▲
P				●	o	●	●	●	●	●	●	●	●
M				o	-	-	-	●	-	-	●	-	●
K				●	-	-	-	-	-	-	●	-	●
N				●	-	-	-	-	-	-	●	-	●
S				o	-	-	-	o	-	-	●	-	●
H				-	-	-	-	-	-	-	-	-	-

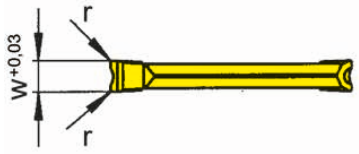
H

.NC









硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

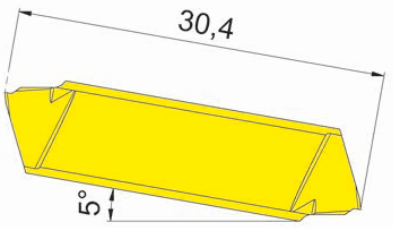
产品型号 Part number	w	r	w_x	HIS	H20
229.NC30.02	3	0.2	4.5	229030 • 229040	▲
229.NC40.02	4	0.2	6.4	229030 • 229040	▲

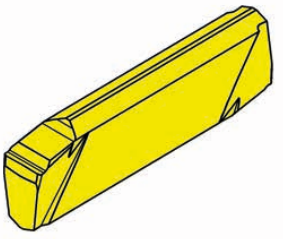
P	●
M	o
K	-
N	-
S	-
H	-

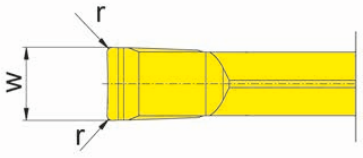
wx = 槽宽 - R(右) - R(左)
wx = width of groove - R(right) - R(left)

H

.FB







硬质合金牌号
Carbide grades

▲ 库存 on stock
Δ 4周 4 weeks

产品型号 Part number	w	r	HIS	IG6T	H20
229.FB30.02	3	0.2	229030	Δ	▲
229.FB40.02	4	0.2	229040	Δ	▲

P	●	●
M	●	o
K	-	-
N	-	-
S	o	-
H	-	-

H

计算槽的最小可加工宽度 w_x
Calculation of the smallest possible width of groove w_x

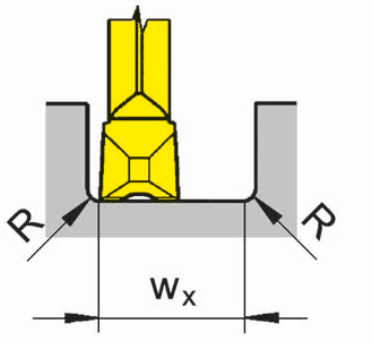
例如 229.FB30.02
Example

w_x = 2 x 槽宽 w - 2 x 刀尖圆角 R

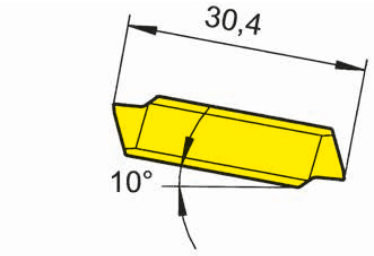
w_x = 2 x Width of insert w - 2 x Corner radius insert R

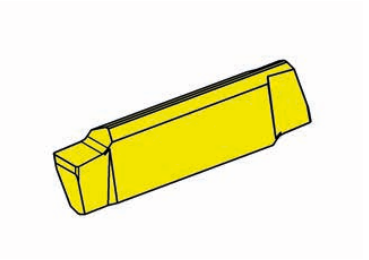
w_x = 2 x 3 mm - 2 x 0.2 mm

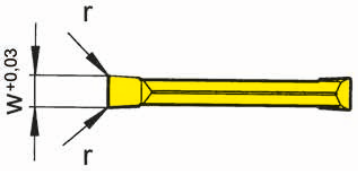
w_x = 5.6 mm



加工路径
Processing flow







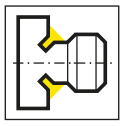
硬质合金牌号
Carbide grades

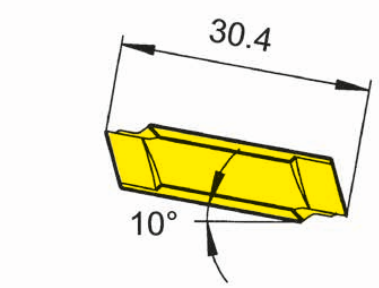
▲ 库存
on stock

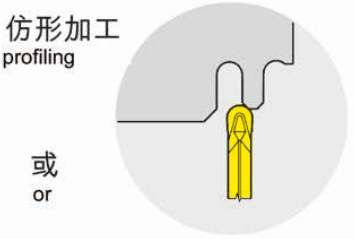
Δ 4周
4 weeks

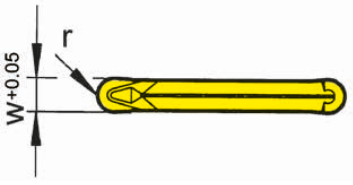
产品型号 Part number	w	r	HIS		TN32	H20
229.0300.02	3	0.2	229020 • 229030			▲
229.0400.02	4	0.2	229030 • 229040		Δ	▲
				P	●	●
				M	-	o
				K	-	-
				N	-	-
				S	-	-
				H	-	-

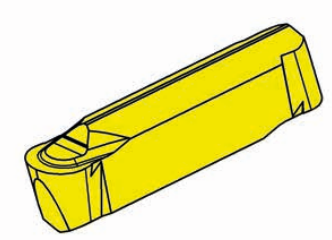
H











硬质合金牌号
Carbide grades

▲ 库存
on stock

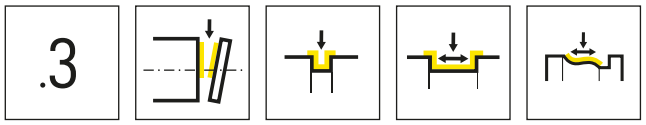
Δ 4周
4 weeks

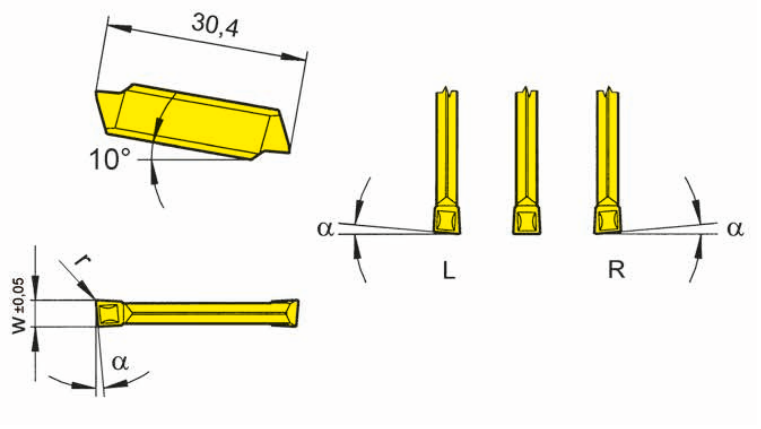
产品型号 Part number	w	r	HIS	MG12	P20	AS62	AS66	TN32	H20
229.0015.30	3	1.5	229020 • 229030	▲	▲	▲		▲	▲
229.0020.40	4	2	229030 • 229040	▲	▲	▲		▲	
229.0025.50	5	2.5	229040	▲	▲		▲	▲	
229.0030.60	6	3	229050		▲	▲		▲	
				P o	●	●	●	●	●
				M -	-	-	o	-	o
				K -	-	-	●	-	-
				N -	-	-	●	-	-
				S -	-	-	o	-	-
				H -	-	-	-	-	-

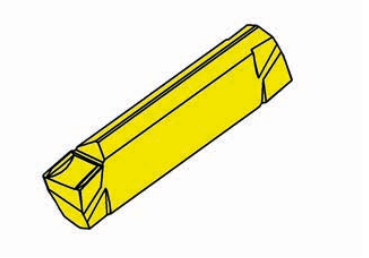
H

可转位刀片
Indexable insert

229 / S229







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

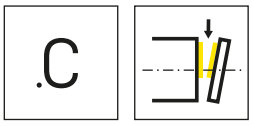
▲ 库存
on stock

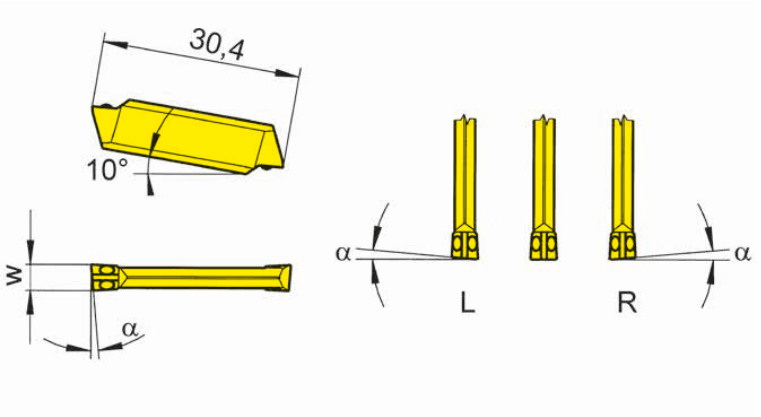
Δ 4周
4 weeks

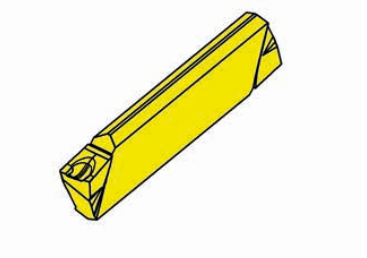
产品型号 Part number	w	r	α	HIS	MG12	P20	AL96	AS62	AS66	H54	IG66	TA45	TC92	TF45	TI22	TI25	TN32	TN35
R229.5300.31	3	0.2	5°	229020 • 229030	▲			▲					▲			▲	▲	▲
RS229.0530.32	3	0.2	5°	229020 • 229030				▲				Δ	▲	▲		▲	▲	▲
RS229.0540.32	4	0.2	5°	229030 • 229040				▲				Δ	Δ	▲		▲	▲	Δ
L229.5300.31	3	0.2	5°	229020 • 229030	▲			▲					▲			▲	▲	▲
LS229.0530.32	3	0.2	5°	229020 • 229030				▲				Δ	Δ	▲		▲	▲	▲
LS229.0540.32	4	0.2	5°	229030 • 229040								Δ	Δ	▲		▲	▲	Δ
S229.0300.32	3	0.2	-	229020 • 229030	▲	Δ	▲	▲	▲	▲	▲	Δ	▲	▲	▲	▲	▲	▲
S229.0400.32	4	0.2	-	229030 • 229040	Δ	Δ	▲	▲	▲	▲	▲	Δ	▲	▲		▲	▲	▲
P					o	●	●	●	●	●	●	●	●	●	●	●	●	●
M					-	-	-	-	o	●	●	●	-	●	-	●	-	●
K					-	-	●	-	●	-	-	●	-	●	-	●	-	●
N					-	-	●	-	●	-	-	●	-	●	-	●	-	●
S					-	-	-	-	o	-	o	●	-	●	-	●	-	●
H					-	-	-	-	-	-	-	-	-	-	-	-	-	-

R/L229.5300.31**精密磨削**, 长度30.0mm
R/L229.5300.31 precision ground, length 30,0 mm

H







R=右手型-如图
R = right hand version shown

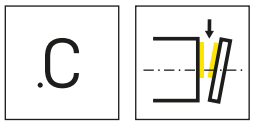
L=左手型
L = left hand version

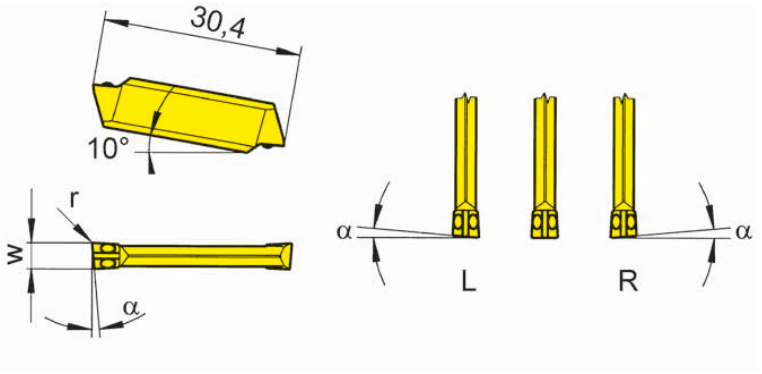
硬质合金牌号
Carbide grades

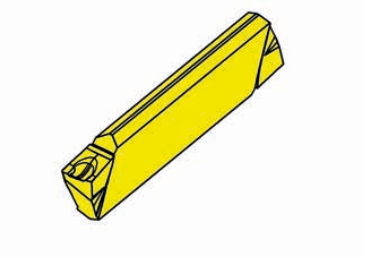
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	α	HIS		TC92	TF45	TI25	TN35
RS229.0530.C0	3	5°	229020 • 229030		Δ	▲	▲	▲
RS229.0540.C0	4	5°	229030 • 229040		Δ	Δ	Δ	▲
RS229.0830.C0	3	8°	229020 • 229030		▲	▲	▲	▲
RS229.0840.C0	4	8°	229030 • 229040			Δ	Δ	▲
LS229.0530.C0	3	5°	229020 • 229030		Δ	▲	▲	▲
LS229.0540.C0	4	5°	229030 • 229040		Δ	Δ	Δ	
LS229.0830.C0	3	8°	229020 • 229030		▲	▲	▲	▲
LS229.0840.C0	4	8°	229030 • 229040		Δ	Δ	Δ	Δ
S229.0030.C0	3	0°	229020 • 229030		Δ	▲	▲	▲
S229.0040.C0	4	0°	229030 • 229040		Δ	Δ	Δ	▲
				P	●	●	●	●
				M	-	●	●	●
				K	-	●	●	●
				N	-	●	●	●
				S	-	●	●	●
				H	-	-	-	-







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

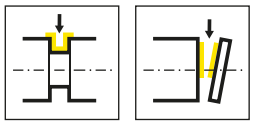
硬质合金牌号
Carbide grades

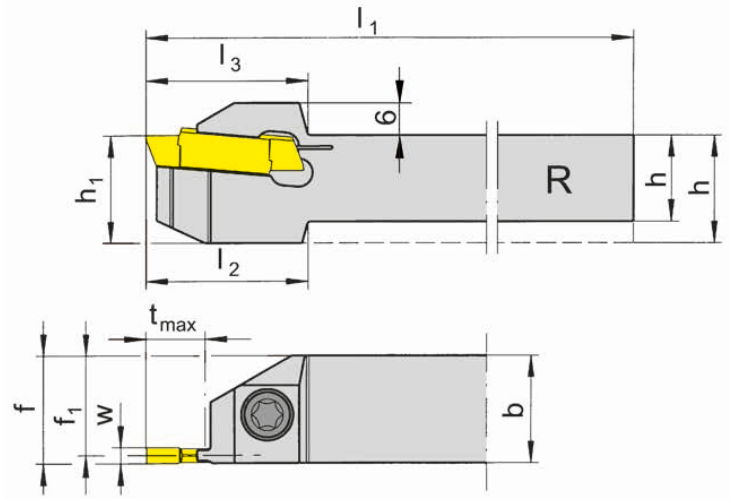
▲ 库存
on stock

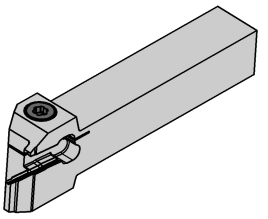
Δ 4周
4 weeks

产品型号 Part number	w	r	α	HIS		TC92	TF45	TI25	TN35
RS229.0530.C1	3	0.15	5°	229020 • 229030		Δ	Δ	▲	▲
RS229.0830.C1	3	0.15	8°	229020 • 229030		Δ	▲	▲	▲
RS229.0540.C1	4	0.15	5°	229030 • 229040		Δ	Δ	Δ	Δ
RS229.0840.C1	4	0.15	8°	229030 • 229040			Δ	Δ	▲
LS229.0530.C1	3	0.15	5°	229020 • 229030		Δ	Δ	▲	▲
LS229.0830.C1	3	0.15	8°	229020 • 229030		Δ	▲	Δ	▲
LS229.0540.C1	4	0.15	5°	229030 • 229040		Δ	Δ		Δ
LS229.0840.C1	4	0.15	8°	229030 • 229040		Δ	Δ	Δ	Δ
S229.0030.C1	3	0.15	0°	229020 • 229030		Δ	Δ	▲	▲
					P	●	●	●	●
					M	-	●	●	●
					K	-	●	●	●
					N	-	●	●	●
					S	-	●	●	●
					H	-	-	-	-

H







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

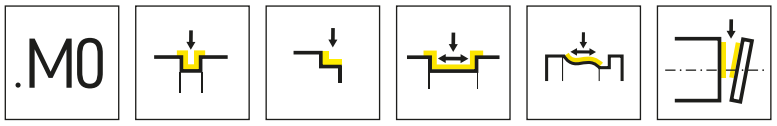
产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f	f_1	t_{max}	HWS
RH259.1616.03	16	16	135	30	30	20	f_1+w/2	14.55	11	229030
RH259.2020.03	20	20	135	-	30	20	f_1+w/2	18.55	11	229030
RH259.2525.03	25	25	135	-	30	25	f_1+w/2	23.55	11	229030
RH259.1616.13	16	16	135	33	33	20	f_1+w/2	14.55	18	229030
RH259.2020.13	20	20	135	-	33	20	f_1+w/2	18.55	18	229030
RH259.2525.13	25	25	135	-	33	25	f_1+w/2	23.55	18	229030
LH259.1616.03	16	16	135	30	30	20	f_1+w/2	14.55	11	229030
LH259.2020.03	20	20	135	-	30	20	f_1+w/2	18.55	11	229030
LH259.2525.03	25	25	135	-	30	25	f_1+w/2	23.55	11	229030
LH259.1616.13	16	16	135	33	33	20	f_1+w/2	14.55	18	229030
LH259.2020.13	20	20	135	-	33	20	f_1+w/2	18.55	18	229030
LH259.2525.13	25	25	135	-	33	25	f_1+w/2	23.55	18	229030

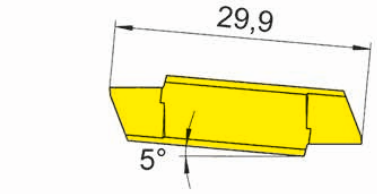
w见刀片
w see indexable inserts

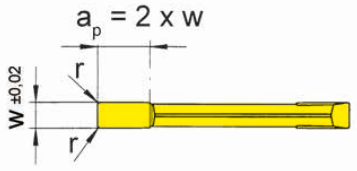
H

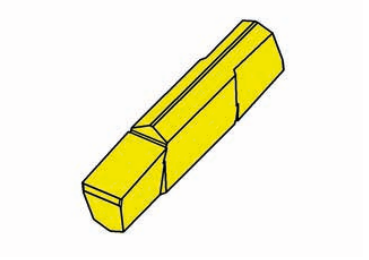
配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LH259...	**6.23T25P**	**T25PQ**









较小切削刃的可用长度a_p
Usable length of minor cutting edge ap

2 x w用于加工黄铜(Ms58)
2 x w for machining brass (Ms58)

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	HIS	硬质合金牌号 Carbide grades MG12
259.0300.M1	3	0.15	229030	▲
259.0300.M2	3	0.2	229030	▲
259.0400.M1	4	0.15	229030	▲
259.0400.M2	4	0.2	229030	▲

P	o
M	-
K	-
N	-
S	-
H	-

H

231

刀杆和刀片

槽宽2.5 - 10 mm

Toolholder and Inserts

Width of groove 2,5 - 10 mm

I

切槽
Grooving

槽型及进给
Geometries and feed rates

页/Page
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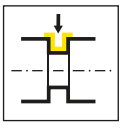
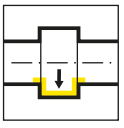
刀杆
Toolholder
211



页/Page
278-279

刀夹
Cartridge
208



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安装尺寸
Seating Dimensions

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可转位刀片
Indexable insert
231

页/Page
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页/Page
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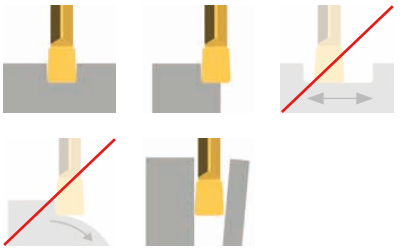
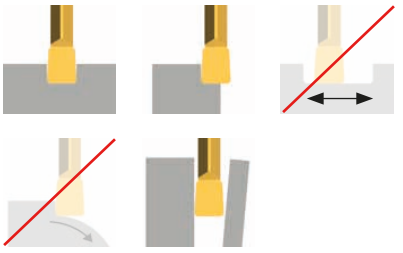
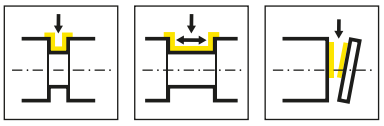
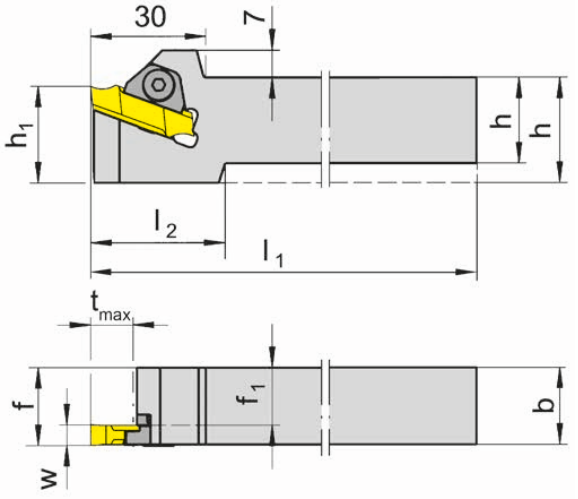
I

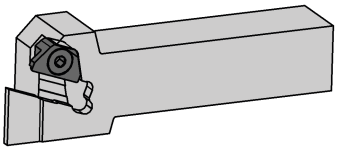
槽型及进给
Geometries and feed rates

槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.10	P M K N S H	0.05-0.15	
.20	P M K N S H	0.07-0.25	

I







R=右手型-如图
R = right hand version shown

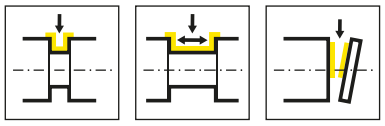
L=左手型
L = left hand version

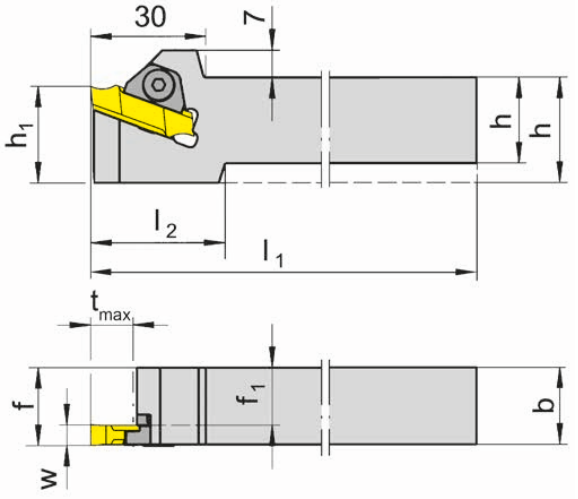
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R211.2020.02	20	20	125	35	25	17.5	f_1+w-a_1	11	2.5-3.0	23102R
R211.2525.02	25	25	150	-	25	22.5	f_1+w-a_1	11	NaN-NaN	23102R
R211.3232.02	32	32	170	-	32	29.5	f_1+w-a_1	11	2.5-3.0	23102R
R211.2020.03	20	20	125	35	25	17	f_1+w-a_1	11	3.0-4.0	23103R
R211.2525.03	25	25	150	-	25	22	f_1+w-a_1	11	3.0-4.0	23103R
R211.3232.03	32	32	170	-	32	29	f_1+w-a_1	11	3.0-4.0	23103R
R211.2020.04	20	20	125	35	25	16	f_1+w-a_1	11	4.0-5.0	23104R • 23104N
R211.3232.04	32	32	170	-	32	28	f_1+w-a_1	11	4.0-5.0	23104R • 23104N
L211.2020.02	20	20	125	35	25	17.5	f_1+w-a_1	11	2.5-3.0	23102L
L211.2525.02	25	25	150	-	25	22.5	f_1+w-a_1	11	2.5-3.0	23102L
L211.3232.02	32	32	170	-	32	29.5	f_1+w-a_1	11	2.5-3.0	23102L
L211.2020.03	20	20	125	35	25	17	f_1+w-a_1	11	3.0-4.0	23103L
L211.2525.03	25	25	150	-	25	22	f_1+w-a_1	11	3.0-4.0	23103L
L211.3232.03	32	32	170	-	32	29	f_1+w-a_1	11	3.0-4.0	23103L
L211.2020.04	20	20	125	35	25	16	f_1+w-a_1	11	4.0-5.0	23104L • 23104N
L211.2525.04	25	25	150	-	25	21	f_1+w-a_1	11	4.0-5.0	23104L • 23104N
L211.3232.04	32	32	170	-	32	28	f_1+w-a_1	11	4.0-5.0	23104L • 23104N

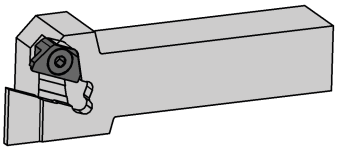
w,a1见刀片
w, a1 see indexable inserts

配件
Spare Parts

刀杆 Toolholder	压板 Clamping element
R/L211...02	**2.16.2**
R/L211...03	**2.16.3**
R/L211...04	**2.16.7**







R=右手型-如图
R = right hand version shown

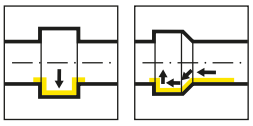
L=左手型
L = left hand version

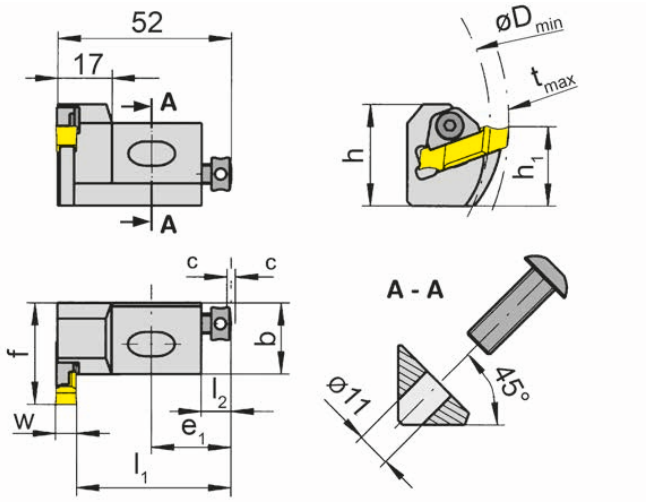
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R211.2020.05	20	20	125	35	25	15	f_1+w-a_1	11	5.0-6.5	23105R • 23105N
R211.2525.05	25	25	150	-	25	20	f_1+w-a_1	11	5.0-6.5	23105R • 23105N
R211.3232.05	32	32	170	-	32	27	f_1+w-a_1	11	5.0-6.5	23105R • 23105N
R211.2020.07	20	20	125	35	25	13	f_1+w-a_1	11	6.5-8.5	23107R • 23107N
R211.2525.07	25	25	150	-	25	18	f_1+w-a_1	11	6.5-8.5	23107R • 23107N
R211.3232.07	32	32	170	-	32	25	f_1+w-a_1	11	6.5-8.5	23107R • 23107N
R211.2020.09	20	20	125	35	25	11	f_1+w-a_1	11	8.5-10.0	23109R • 23109N
R211.2525.09	25	25	150	-	25	16	f_1+w-a_1	11	8.5-10.0	23109R • 23109N
R211.3232.09	32	32	170	-	32	23	f_1+w-a_1	11	8.5-10.0	23109R • 23109N
L211.2020.05	20	20	125	35	25	15	f_1+w-a_1	11	5.0-6.5	23105L • 23105N
L211.2525.05	25	25	150	-	25	20	f_1+w-a_1	11	5.0-6.5	23105L • 23105N
L211.3232.05	32	32	170	-	32	27	f_1+w-a_1	11	5.0-6.5	23105L • 23105N
L211.2020.07	20	20	125	35	25	13	f_1+w-a_1	11	6.5-8.5	23107L • 23107N
L211.2525.07	25	25	150	-	25	18	f_1+w-a_1	11	6.5-8.5	23107L • 23107N
L211.3232.07	32	32	170	-	32	25	f_1+w-a_1	11	6.5-8.5	23107L • 23107N
L211.2020.09	20	20	125	35	25	11	f_1+w-a_1	11	8.5-10.0	23109L • 23109N
L211.2525.09	25	25	150	-	25	16	f_1+w-a_1	11	8.5-10.0	23109L • 23109N
L211.3232.09	32	32	170	-	32	23	f_1+w-a_1	11	8.5-10.0	23109L • 23109N

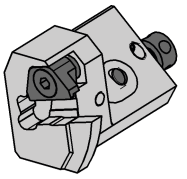
w,a1见刀片
w, a1 see indexable inserts

配件
Spare Parts

刀杆 Toolholder	**压板** Clamping element
R/L211...	**2.16.7**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

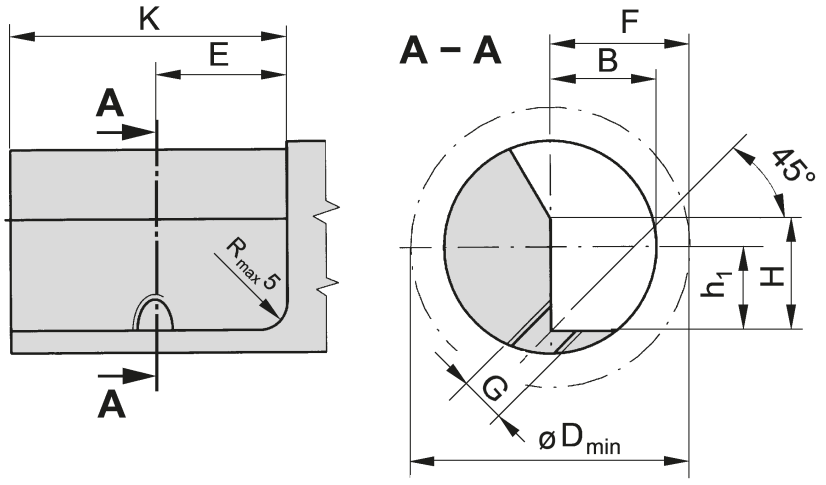
产品型号 Part number	h	b	h_1	f	l_1	E_1	l_2	C	D_{min}	t_{max}	HWS	HMS
R208.2520.04	32	20	25	32	47.8	25	9	2	75	5	23104R • 23104N	032001R
R208.2520.05	32	20	25	32	46.8	25	9	2	75	5	23105R • 23105N	032001R
R208.2520.07	32	20	25	32	44.8	25	9	2	75	5	23107R • 23107N	032001R
R208.2520.09	32	20	25	32	42.8	25	9	2	75	5	23107R • 23107N	032001R
L208.2520.04	32	20	25	32	47.8	25	9	2	75	5	23104L • 23104N	032001L
L208.2520.05	32	20	25	32	46.8	25	9	2	75	5	23105L • 23105N	032001L
L208.2520.07	32	20	25	32	44.8	25	9	2	75	5	23107L • 23107N	032001L
L208.2520.09	32	20	25	32	42.8	25	9	2	75	5	23107L • 23107N	032001L

切槽深度与孔径ø的关系
Depth of groove in relation to bore ø

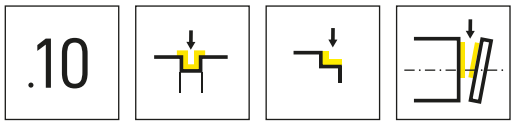
Dmin	tmax
75	5
85	6
95	6.5
110	7
140	8
200	9

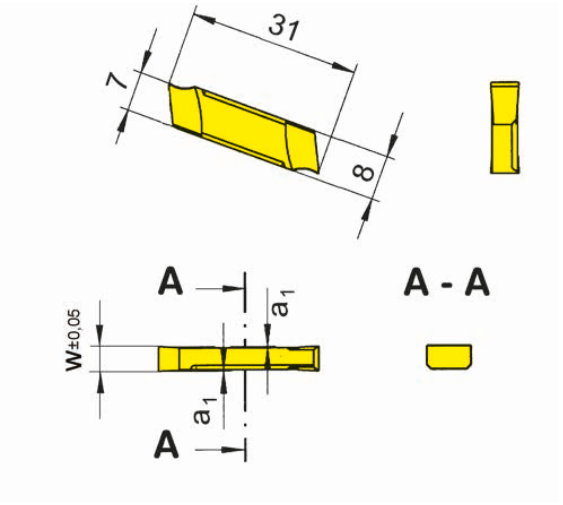
配件
Spare Parts

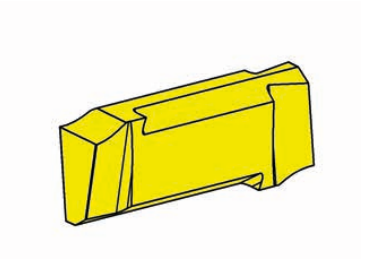
刀夹 Cartridge	**锁紧螺钉** Clamping Screw	**螺钉** Screw	**压板** Clamping element
R/L208...	**4.08.913**	**6.12.020**	**2.16.7 K**



刀夹 Cartridge	F	G	H	K	E	B	h	D_{min}	紧固螺钉 Fastening screw
R/L208.2520...	32	M10	32	50	25	20	25	75	030.208







R=右手型-如图
R = right hand version shown

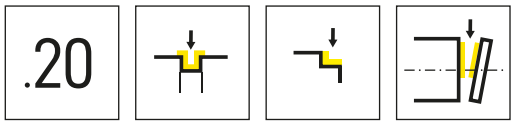
L=左手型
L = left hand version

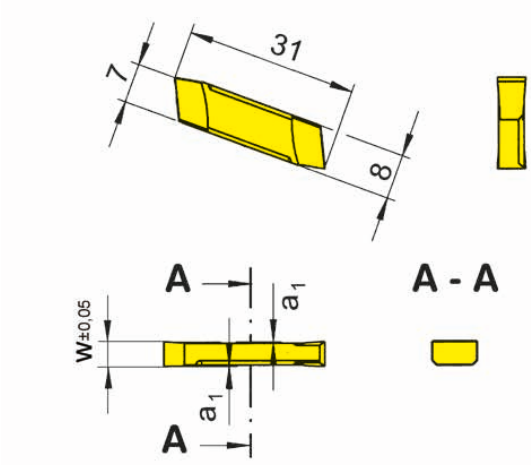
硬质合金牌号
Carbide grades

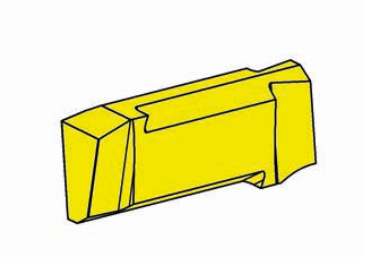
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	a_1	HIS		K10	P20	TC92	TN32
R231.0250.10	2.5	0.2	23102R		Δ	▲		▲
R231.0300.10	3	0.2	23103R			Δ		
R231.0350.10	3.5	0.2	23103R		Δ	Δ		Δ
L231.0250.10	2.5	0.2	23102L		Δ	▲		▲
L231.0300.10	3	0.2	23103L			▲		
L231.0350.10	3.5	0.2	23103L		Δ	Δ		Δ
231.0400.10	4	0.2	23104N		▲	▲	▲	
231.0500.10	5	0.2	23105N			▲	▲	
231.0600.10	6	0.2	23105N			▲	Δ	
231.0700.10	7	0.2	23107N			Δ	▲	Δ
231.0800.10	8	0.2	23107N		Δ	Δ		▲
231.0900.10	9	0.2	23109N		Δ	Δ		
231.1000.10	10	0.2	23109N		Δ		Δ	▲
				P	●	●	●	●
				M	o	-	-	-
				K	●	-	-	-
				N	●	-	-	-
				S	o	-	-	-
				H	-	-	-	-







R=右手型-如图
R = right hand version shown

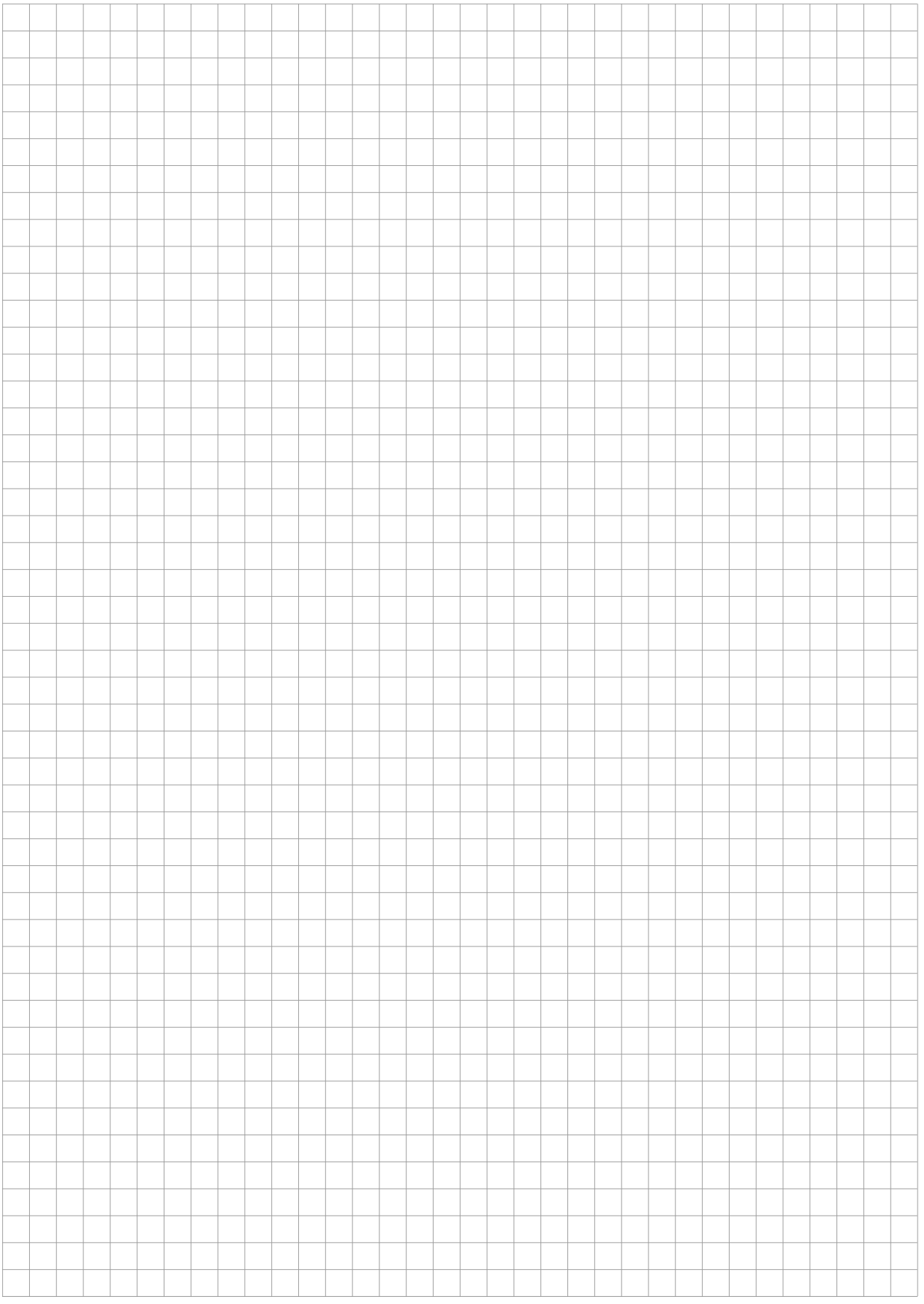
L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	a_1	HIS	K10	AS46	TC92
R231.0250.20	2.5	0.2	23102R			Δ
R231.0300.20	3	0.2	23103R			Δ
R231.0350.20	3.5	0.2	23103R			Δ
L231.0250.20	2.5	0.2	23102L			Δ
L231.0300.20	3	0.2	23103L			Δ
L231.0350.20	3.5	0.2	23103L			Δ
231.0400.20	4	0.2	23104N			Δ
231.0500.20	5	0.2	23105N			Δ
231.0600.20	6	0.2	23105N			Δ
231.0700.20	7	0.2	23107N			Δ
231.0800.20	8	0.2	23107N			Δ
231.0900.20	9	0.2	23109N			Δ
231.1000.20	10	0.2	23109N	Δ	Δ	Δ
				P ●	o	●
				M o	o	-
				K ●	●	-
				N ●	o	-
				S o	o	-
				H -	-	-



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刀杆和刀片

槽宽0.025 - 2 mm

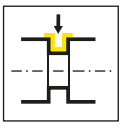
Toolholder and Inserts

Width of groove 0,025 - 2 mm

J

切槽(外圆)
Grooving (external)

刀杆
Toolholder
H262



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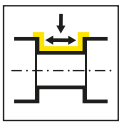
可转位刀片
Indexable insert
S262



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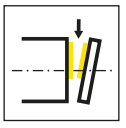
288-289, 291



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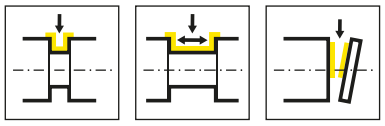
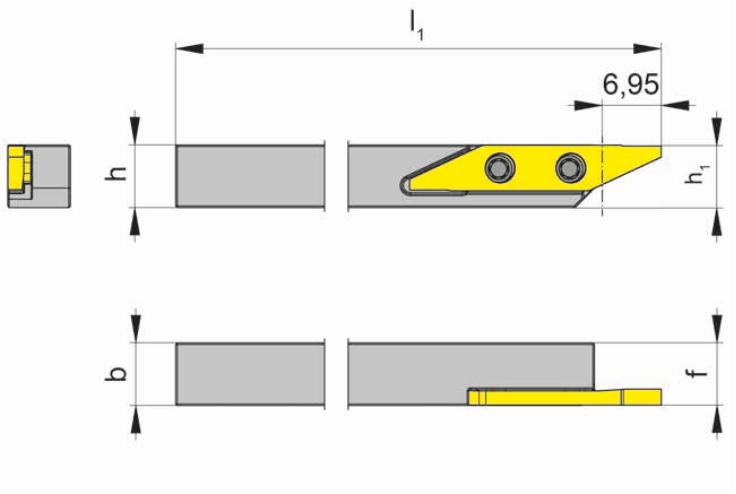
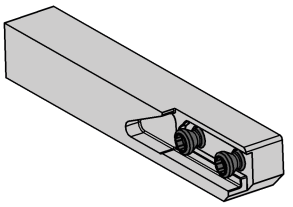
槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]
S262	P M K	↓ 0.01-0.10
	N S H	↔ 0.002-0.02

J

H262





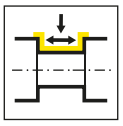


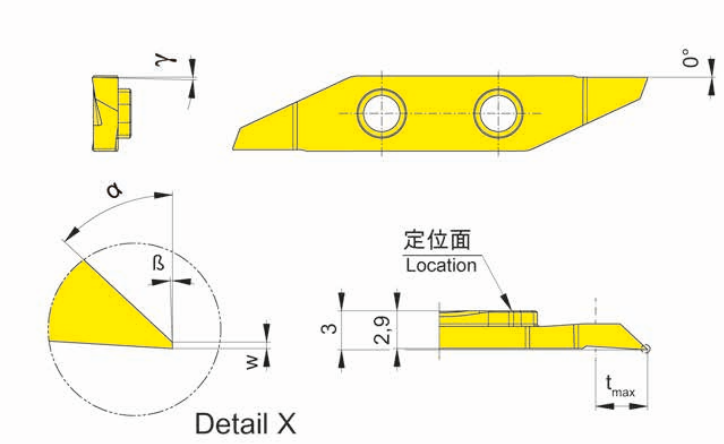
L=左手型-如图
L = left hand version shown

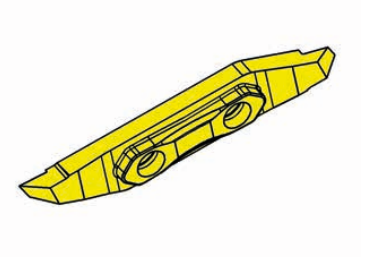
产品型号 Part number	h	b	l_1	h_1	f	t_{max}	HWS
LH262.0606.04	6	6	100	5.83	5.95	7.5	26204L
LH262.0707.04	7	7	100	6.83	6.95	7.5	26204L
LH262.0808.04	8	8	100	7.83	7.95	7.5	26204L
LH262.0808.2.04	8	8	150	7.83	7.95	7.5	26204L
LH262.1010.04	10	10	100	9.83	9.95	7.5	26204L

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
LH262...	**030.2557.T8P**	**T8PL**







L=左手型-如图
L = left hand version shown

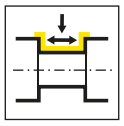
硬质合金牌号
Carbide grades

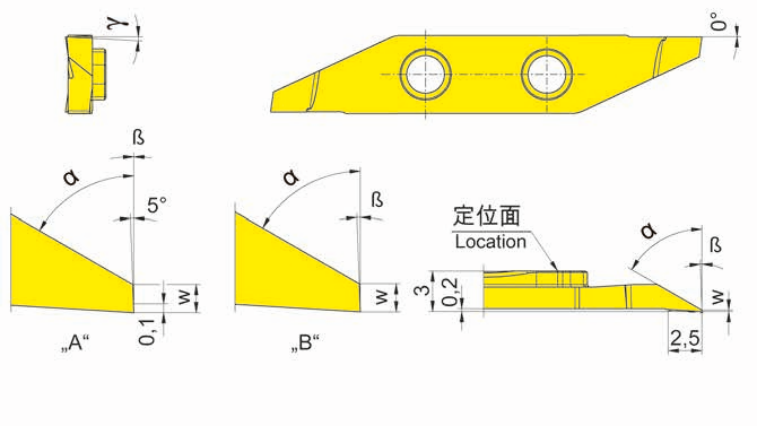
▲ 库存
on stock

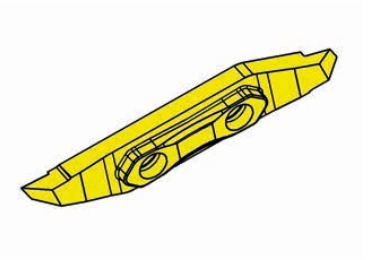
Δ 4周
4 weeks

产品型号 Part number	w	t_{max}	γ	α	β	HIS		EG35
LS262.0247.04	0.025	1.8	1.5°	47°	2°	26204L		▲
							P	●
							M	●
							K	o
							N	-
							S	-
							H	-

J







L=左手型-如图
L = left hand version shown

硬质合金牌号
Carbide grades

▲ 库存
on stock

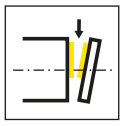
Δ 4周
4 weeks

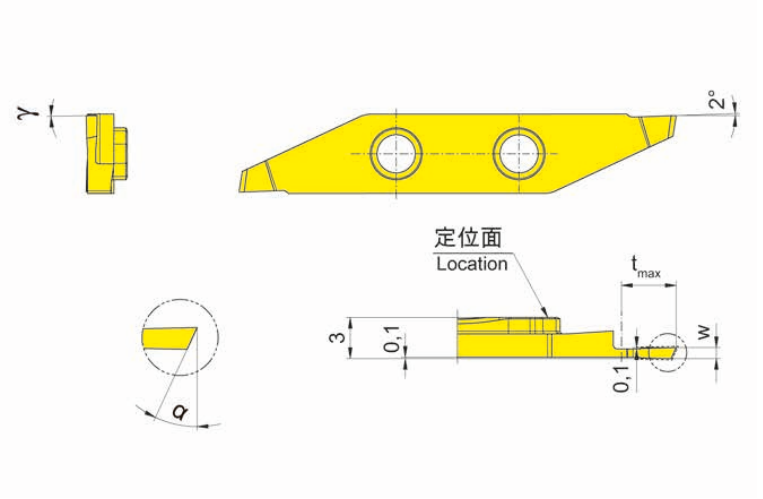
产品型号 Part number	w	t_{max}	γ	α	形式 Form	β	HIS	EG35
LS262.0147.04	0.03	1.8	0°	47°	A	0°	26204L	▲
LS262.0160.03	0.105	3	3°	60°	B	2°	26204L	▲

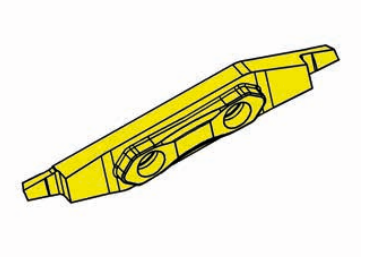
P	●
M	●
K	o
N	-
S	-
H	-

J

S262







L=左手型-如图
L = left hand version shown

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

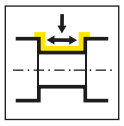
产品型号 Part number	w	t_{max}	γ	α	HIS	EG35
LS262.2007.02	0.7	2	0°	20°	26204L	▲
LS262.2508.03	0.8	3	0°	25°	26204L	▲
LS262.2509.04	0.9	4	0°	25°	26204L	▲
LS262.2510.05	1	5	0°	25°	26204L	▲

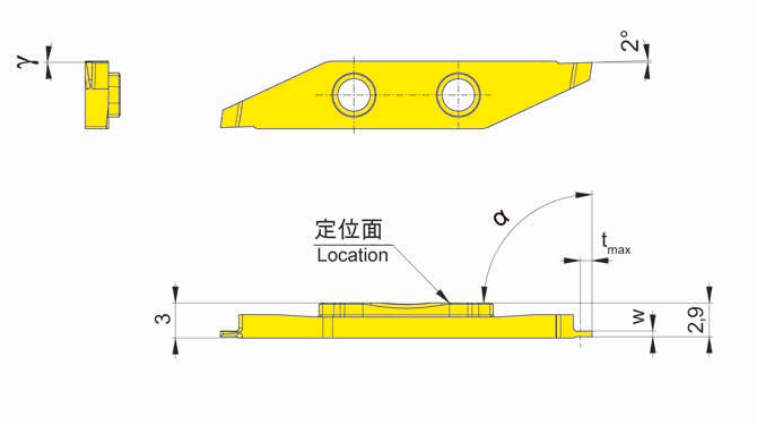
P	●
M	●
K	o
N	-
S	-
H	-

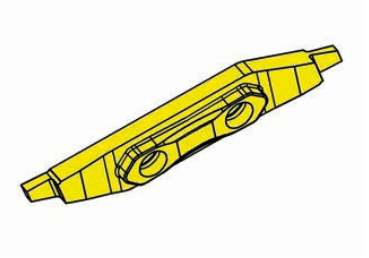
J

可转位刀片
Indexable insert

S262







L=左手型-如图
L = left hand version shown

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	t_{max}	γ	α	HIS		EG35
LS262.0005.01	0.5	1	0°	90°	26204L		▲
LS262.0012.02	1.2	2	0°	90°	26204L		▲
LS262.0015.03	1.5	3	0°	90°	26204L		▲
						P	●
						M	●
						K	o
						N	-
						S	-
						H	-

J

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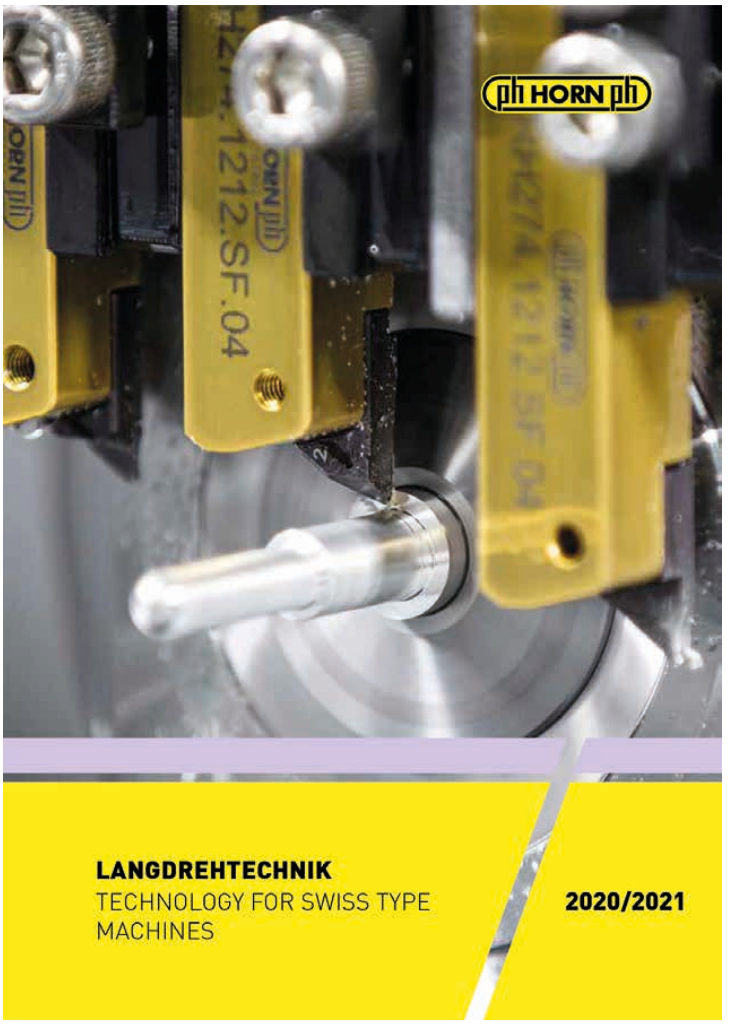
„LANGDREHEN“ (KLANGDREH100DE).

You can find further tools in our catalogue
„TECHNOLOGY FOR SWISS TYPE MACHINES“ (KLANGDREH100DE).



J

264

刀杆和刀片

槽宽1.5 - 3 mm

Toolholder and Inserts

Width of groove 1,5 - 3 mm

K

切槽和侧车削(外圆)
Grooving and Side Turning (external)

槽型及进给
Geometries and feed rates

页/Page
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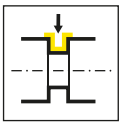
刀杆
Toolholder
H264



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296-300

可转位刀片
Indexable insert
264

.M0

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301-302

.10

页/Page
303-304

.20

页/Page
305

.P

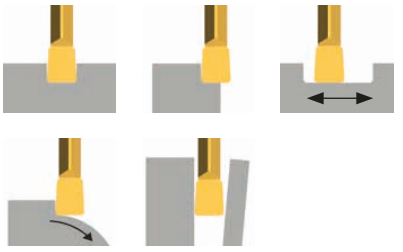
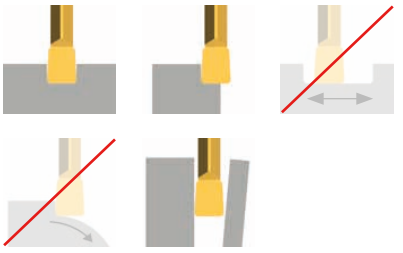
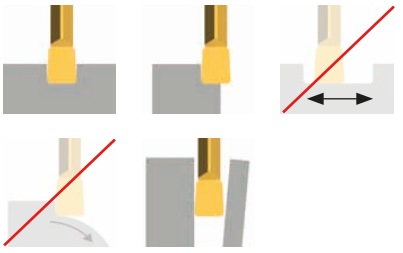
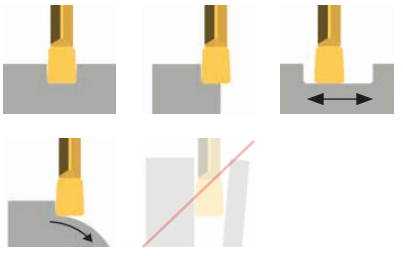
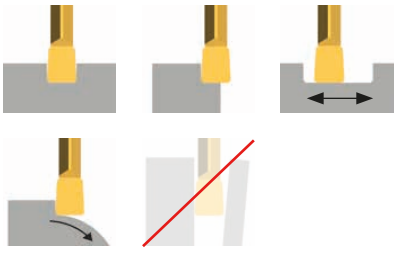
页/Page
306

.D

页/Page
307

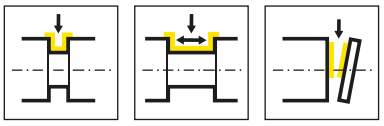
K

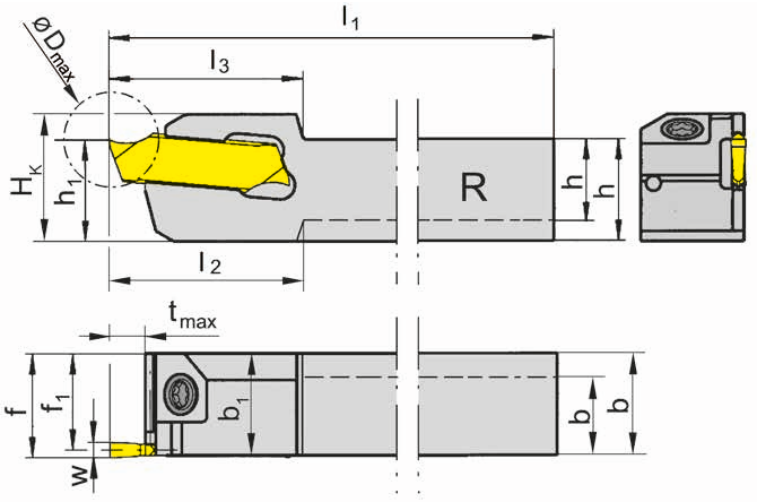
槽型及进给
Geometries and feed rates

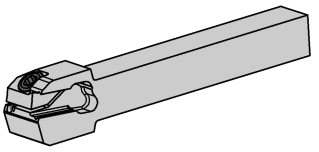
槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.M0	P M K N S H	↓ 0.02-0.10 ↔ 0.02-0.15	
.10	P M K N S H	↓ 0.05-0.15	
.20	P M K N S H	↓ 0.07-0.25	
.P	P M K N S H	↓ 0.02-0.08 ↔ 0.02-0.04	
.D	P M K N S H	↓ 0.03-0.15 ↔ 0.05-0.20	

K

H264







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	b_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH264.0808.01	8	8	120	17.5	17.5	8	10	9.25	10	4	22	12.5	26401
RH264.1010.01	10	10	120	-	17.5	10	-	9.25	10	4	22	12.5	26401
RH264.1010.02	10	10	120	-	17.5	10	-	9	10	4	32	12.5	26402
RH264.1010.11	10	10	120	-	19	10	-	9.25	10	10	20	12.5	26401
RH264.1212.01	12	12	120	-	17.5	12	-	11.25	12	4	22	14.5	26401
RH264.1212.11	12	12	120	-	19	12	-	11.25	12	10	20	14.5	26401
RH264.1212.21	12	12	120	-	22	12	-	11.25	12	13	26	15.5	26401
RH264.1616.01	16	16	120	-	17.5	16	-	15.25	16	4	32	18.5	26401
RH264.1616.11	16	16	120	-	19	16	-	15.25	16	10	32	18.5	26401
RH264.1616.21	16	16	120	-	22	16	-	15.25	16	13	32	19.5	26401
LH264.0808.01	8	10	120	17.5	17.5	8	10	9.25	10	4	22	12.5	26401
LH264.1010.01	10	10	120	-	17.5	10	-	9.25	10	4	22	12.5	26401
LH264.1010.11	10	10	120	-	19	10	-	9.25	10	10	20	12.5	26401
LH264.1212.01	12	12	120	-	17.5	12	-	11.25	12	4	22	14.5	26401
LH264.1212.11	12	12	120	-	19	12	-	11.25	12	10	20	14.5	26401
LH264.1212.21	12	12	120	-	22	12	-	11.25	12	13	26	15.5	26401
LH264.1616.01	16	16	120	-	17.5	16	-	15.25	16	4	32	18.5	26401
LH264.1616.11	16	16	120	-	19	16	-	15.25	16	10	32	18.5	26401
LH264.1616.21	16	16	120	-	22	16	-	15.25	16	13	32	19.5	26401

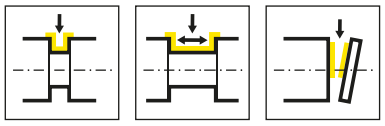
w见刀片
w see inserts

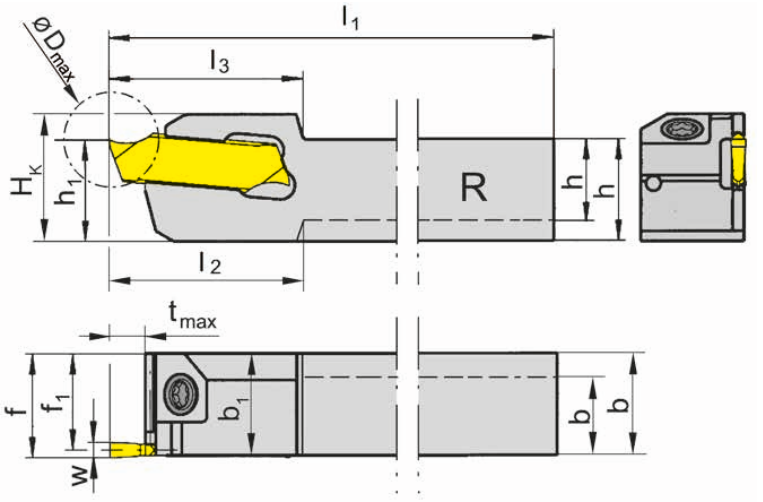
K

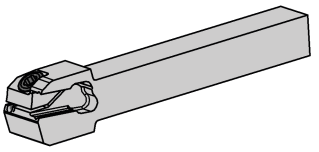
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH264...	**3.5.12T10EP**	**T10PL**

H264







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH264.1010.02	10	10	120	17.5	10	9	10	4	32	12.5	26402
RH264.1212.02	12	12	120	17.5	12	11	12	4	32	14.5	26402
RH264.1616.02	16	16	120	17.5	16	15	16	4	32	18.5	26402
RH264.1010.12	10	10	120	19	10	9	10	10	32	12.5	26402
RH264.1212.12	12	12	120	19	12	11	12	10	32	14.5	26402
RH264.1616.12	16	16	120	19	16	15	16	10	32	18.5	26402
RH264.1212.22	12	12	120	25	12	11	12	16	32	14.5	26402
RH264.1616.22	16	16	120	25	16	15	16	16	32	19.5	26402
LH264.1010.02	10	10	120	17.5	10	9	10	4	32	12.5	26402
LH264.1212.02	12	12	120	17.5	12	11	12	4	32	14.5	26402
LH264.1616.02	16	16	120	17.5	16	15	16	4	32	18.5	26402
LH264.1010.12	10	10	120	19	10	9	10	10	32	12.5	26402
LH264.1212.12	12	12	120	19	12	11	12	10	32	14.5	26402
LH264.1616.12	16	16	120	19	16	15	16	10	32	18.5	26402
LH264.1212.22	12	12	120	25	12	11	12	16	32	14.5	26402
LH264.1616.22	16	16	120	25	16	15	16	16	32	19.5	26402

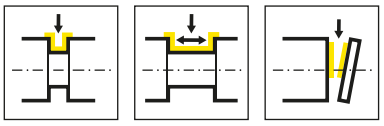
w见刀片
w see inserts

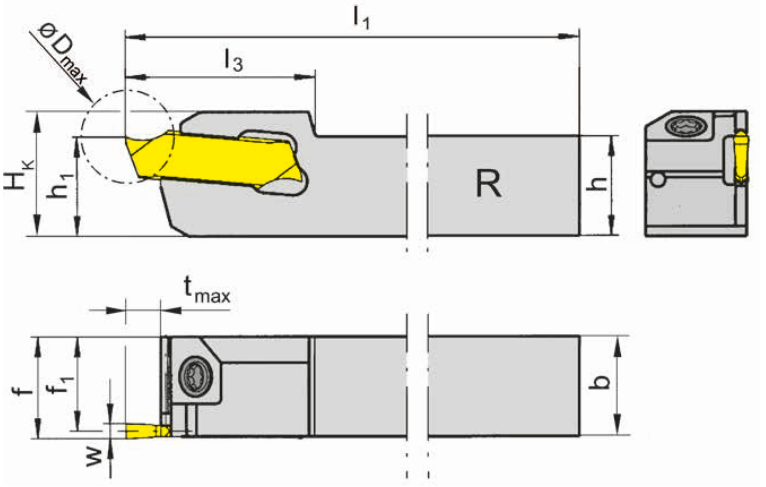
K

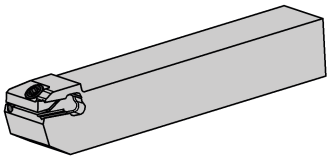
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH264...	**3.5.12T10EP**	**T10PL**

H264







R=右手型-如图
R = right hand version shown

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L = left hand version

产品型号 Part number	h	b	l_1	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH264.1212.03	12	12	120	17.5	12	10.75	12	4	32	14.5	26403
RH264.1616.03	16	16	120	17.5	16	14.75	16	4	32	18.5	26403
RH264.1212.13	12	12	120	19	12	10.75	12	10	32	14.5	26403
RH264.1616.13	16	16	120	19	16	14.75	16	10	32	18.5	26403
RH264.1212.23	12	12	120	25	12	10.75	12	16	32	14.5	26403
RH264.1616.23	16	16	120	25	16	14.75	16	16	32	18.5	26403
LH264.1616.03	16	16	120	17.5	16	14.75	16	4	32	18.5	26403
LH264.1212.13	12	12	120	19	12	10.75	12	10	32	14.5	26403
LH264.1616.13	16	16	120	19	16	14.75	16	10	32	18.5	26403
LH264.1212.23	12	12	120	25	12	10.75	12	16	32	14.5	26403
LH264.1616.23	16	16	120	25	16	14.75	16	16	32	18.5	26403

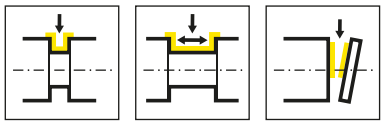
w见刀片
w see inserts

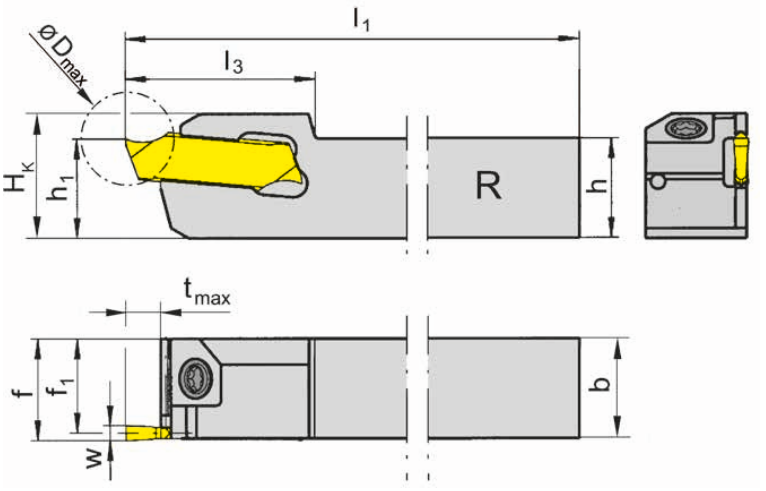
K

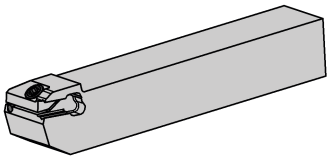
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH264...	**3.5.12T10EP**	**T10PL**

H264







R=右手型-如图
R = right hand version shown

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L = left hand version

产品型号 Part number	h	b	l_1	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH264.1212.04	12	12	120	17.5	12	10.5	12	5	32	15	26404
RH264.1616.04	16	16	120	17.5	16	14.5	16	5	32	19	26404
RH264.1212.14	12	12	120	19	12	10.5	12	10	32	15	26404
RH264.1616.14	16	16	120	19	16	14.5	16	10	32	19	26404
RH264.1212.24	12	12	120	25	12	10.5	12	16	32	15	26404
RH264.1616.24	16	16	120	25	16	14.5	16	16	32	19	26404
LH264.1212.04	12	12	120	17.5	12	10.5	12	5	32	15	26404
LH264.1616.04	16	16	120	17.5	16	14.5	16	5	32	19	26404
LH264.1212.14	12	12	120	19	12	10.5	12	10	32	15	26404
LH264.1616.14	16	16	120	19	16	14.5	16	10	32	19	26404
LH264.1212.24	12	12	120	25	12	10.5	12	16	32	15	26404
LH264.1616.24	16	16	120	25	16	14.5	16	16	32	19	26404

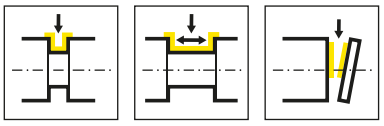
w见刀片
w see inserts

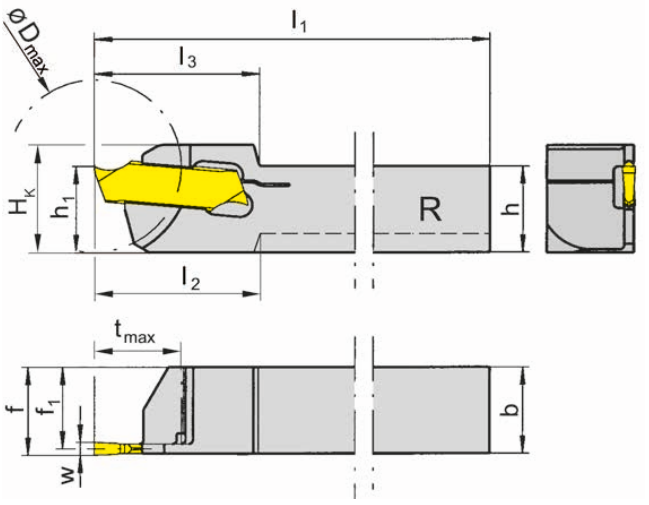
K

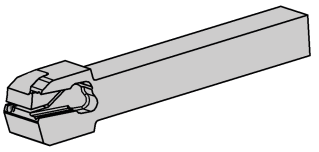
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH264...	**3.5.12T10EP**	**T10PL**

H264







R=右手型-如图
R = right hand version shown

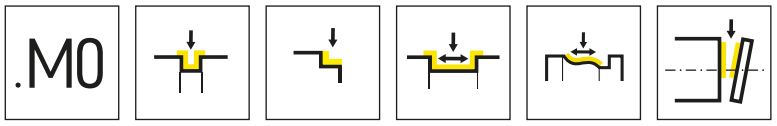
L=左手型
L = left hand version

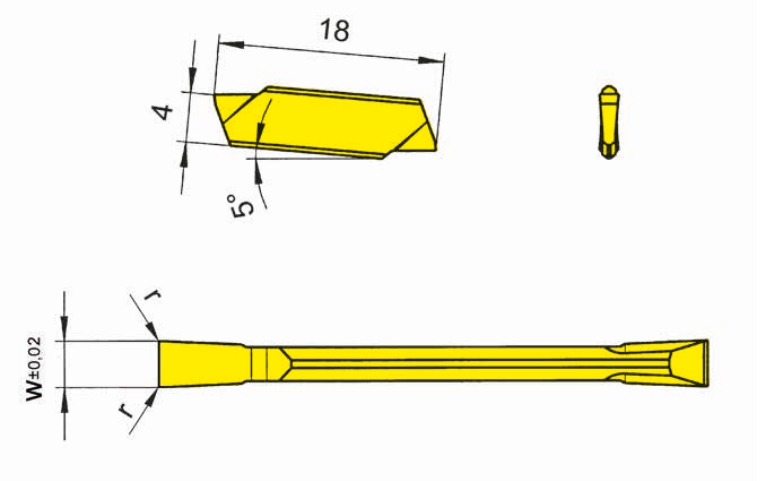
产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH264.0808.51	8	8	120	18	18	10	7.25	8	7	20	12.5	26401
RH264.1010.61	10	10	120	-	19	10	9.25	10	10	20	12.5	26401
RH264.1010.62	10	10	120	-	19	10	9	10	10	20	12.5	26402
RH264.1212.62	12	12	120	-	19	12	11	12	10	20	14.5	26402
RH264.1212.63	12	12	120	-	19	12	10.75	12	10	32	14.5	26403
LH264.0808.51	8	8	120	18	18	10	7.25	8	7	20	12.5	26401
LH264.1010.61	10	10	120	-	19	10	9.25	10	10	20	12.5	26401
LH264.1010.62	10	10	120	-	19	10	9	10	10	20	12.5	26402
LH264.1212.62	12	12	120	-	19	12	11	12	10	20	14.5	26402
LH264.1212.63	12	12	120	-	19	12	10.75	12	10	32	14.5	26403
LH264.1212.64	12	12	120	-	19	12	10.5	12	10	32	14.5	26404

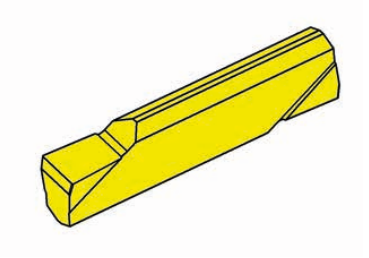
w见刀片
w see inserts

扳手P39L不包含在刀板中，需单独订购！
Wrench P39L is not combined with toolholder - separate order required!

K







硬质合金牌号
Carbide grades

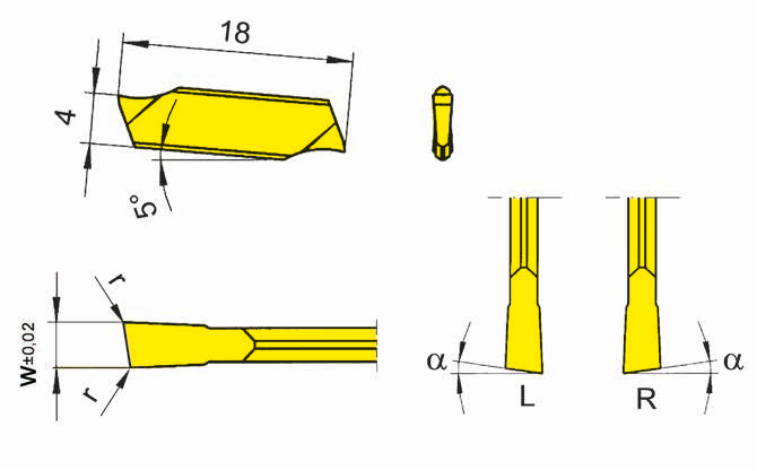
▲ 库存
on stock

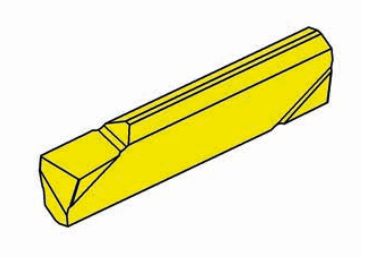
Δ 4周
4 weeks

产品型号 Part number	w	r	HIS		MG12	TH35	TN35
264.0150.M0	1.5	0.05	26401		▲	Δ	▲
264.0200.M0	2	0.05	26402		▲	Δ	▲
264.0250.M0	2.5	0.1	26403		Δ	Δ	▲
264.0300.M0	3	0.1	26404		Δ	Δ	Δ
				P	o	●	●
				M	-	●	●
				K	-	●	●
				N	-	●	●
				S	-	●	●
				H	-	-	-

K

.M0





R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

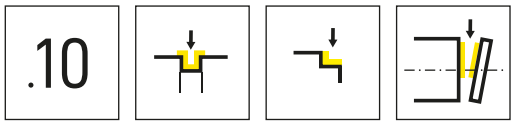
▲ 库存
on stock

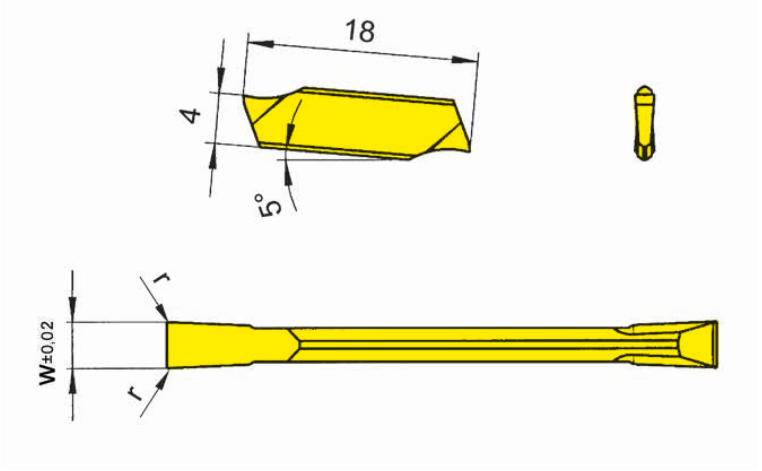
Δ 4周
4 weeks

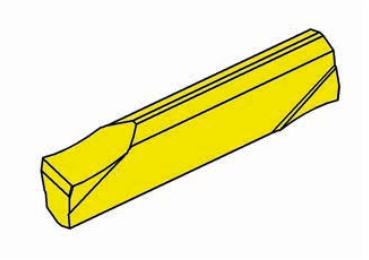
产品型号 Part number	w	r	α	HIS	MG12	TH35	TN35
R264.0815.M0	1.5	0.05	8°	26401	Δ	Δ	▲
R264.1515.M0	1.5	0.05	15°	26401	▲	Δ	▲
R264.0820.M0	2	0.05	8°	26402	Δ	Δ	▲
R264.1520.M0	2	0.05	15°	26402	Δ	Δ	Δ
R264.0825.M0	2.5	0.1	8°	26403	Δ	Δ	Δ
R264.1525.M0	2.5	0.1	15°	26403	Δ	Δ	▲
R264.0830.M0	3	0.1	8°	26404	Δ	Δ	
R264.1530.M0	3	0.1	15°	26404	Δ	Δ	▲
L264.0815.M0	1.5	0.05	8°	26401	▲	Δ	▲
L264.1515.M0	1.5	0.05	15°	26401	▲	Δ	Δ
L264.0820.M0	2	0.05	8°	26402		Δ	Δ
L264.1520.M0	2	0.05	15°	26402	Δ	Δ	Δ
L264.0825.M0	2.5	0.1	8°	26403	Δ	Δ	Δ
L264.1525.M0	2.5	0.1	15°	26403	Δ		Δ
L264.0830.M0	3	0.1	8°	26404	Δ	Δ	
L264.1530.M0	3	0.1	15°	26404	Δ	Δ	Δ

P	o	●	●
M	-	●	●
K	-	●	●
N	-	●	●
S	-	●	●
H	-	-	-

K







硬质合金牌号
Carbide grades

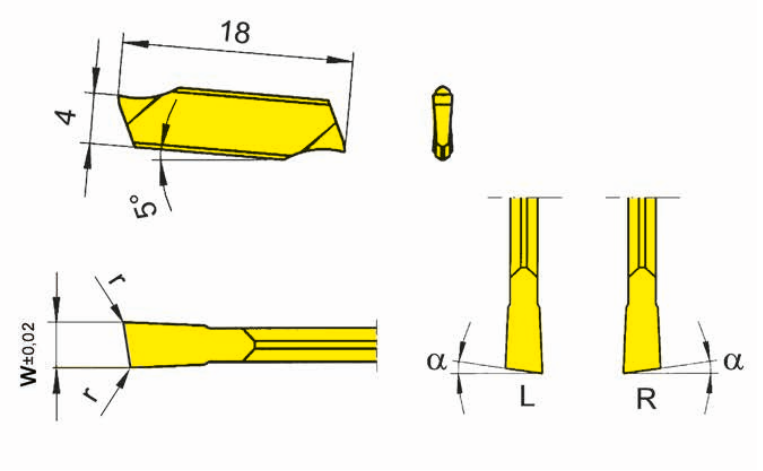
▲ 库存
on stock

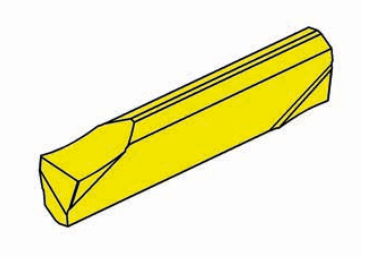
Δ 4周
4 weeks

产品型号 Part number	w	r	HIS		MG12	TH35	TI25	TN35
264.0150.10	1.5	0.05	26401		▲	Δ	Δ	▲
264.0200.10	2	0.05	26402		▲	Δ	Δ	▲
264.0250.10	2.5	0.1	26403		Δ	Δ	Δ	▲
264.0300.10	3	0.1	26404		▲	Δ	Δ	▲
				P	o	●	●	●
				M	-	●	●	●
				K	-	●	●	●
				N	-	●	●	●
				S	-	●	●	●
				H	-	-	-	-

K

.10





R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

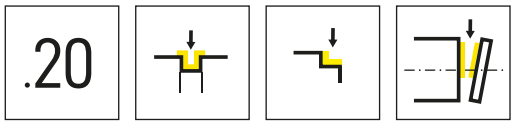
硬质合金牌号
Carbide grades

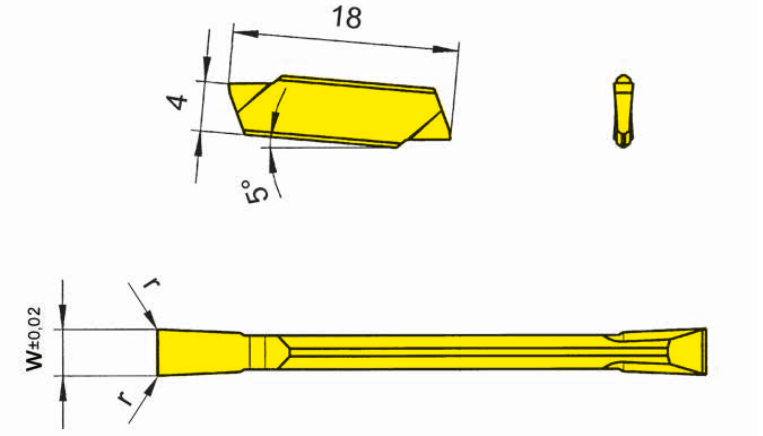
▲ 库存
on stock

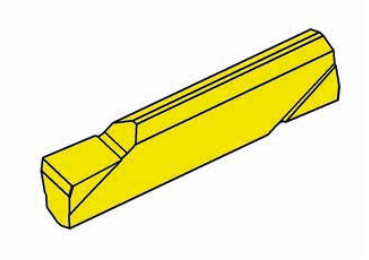
Δ 4周
4 weeks

产品型号 Part number	w	r	α	HIS		MG12	TH35	TI25	TN35
R264.0815.10	1.5	0.05	8°	26401		▲	Δ	Δ	▲
R264.1515.10	1.5	0.05	15°	26401		▲	Δ		▲
R264.0820.10	2	0.05	8°	26402		▲	Δ		▲
R264.1520.10	2	0.05	15°	26402		▲	Δ		▲
R264.0825.10	2.5	0.1	8°	26403		Δ	Δ		▲
R264.1525.10	2.5	0.1	15°	26403		Δ	Δ		▲
R264.0830.10	3	0.1	8°	26404		Δ	Δ		Δ
R264.1530.10	3	0.1	15°	26404		Δ	Δ		▲
L264.0815.10	1.5	0.05	8°	26401		Δ	Δ	Δ	▲
L264.1515.10	1.5	0.05	15°	26401		Δ	Δ		▲
L264.0820.10	2	0.05	8°	26402		Δ	Δ		▲
L264.1520.10	2	0.05	15°	26402		Δ	Δ		▲
L264.0825.10	2.5	0.1	8°	26403		Δ	Δ		Δ
L264.1525.10	2.5	0.1	15°	26403		Δ	Δ		Δ
L264.0830.10	3	0.1	8°	26404		Δ	Δ		Δ
L264.1530.10	3	0.1	15°	26404		Δ	Δ		▲
					P	o	●	●	●
					M	-	●	●	●
					K	-	●	●	●
					N	-	●	●	●
					S	-	●	●	●
					H	-	-	-	-

K







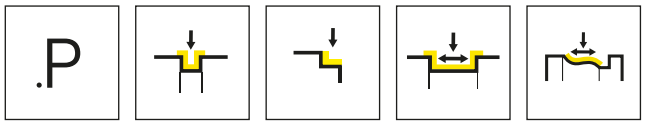
硬质合金牌号
Carbide grades

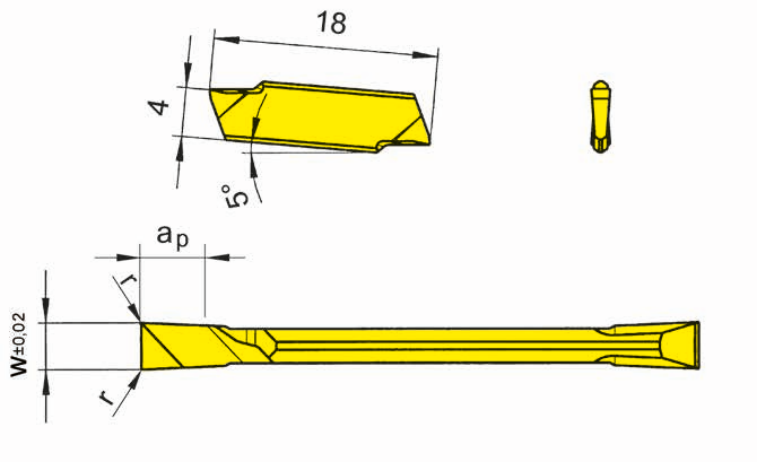
▲ 库存
on stock

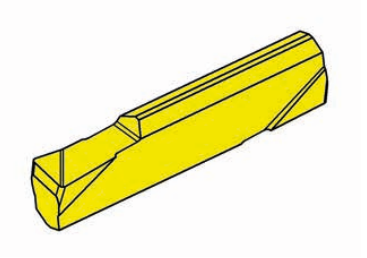
Δ 4周
4 weeks

产品型号 Part number	w	r	HIS		MG12	TH35	TI25	TN35
264.0150.20	1.5	0.05	26401		Δ	Δ	Δ	▲
264.0200.20	2	0.05	26402		Δ	Δ		▲
264.0250.20	2.5	0.1	26403		Δ	Δ		▲
264.0300.20	3	0.1	26404		Δ	Δ		▲
				P	o	●	●	●
				M	-	●	●	●
				K	-	●	●	●
				N	-	●	●	●
				S	-	●	●	●
				H	-	-	-	-

K







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

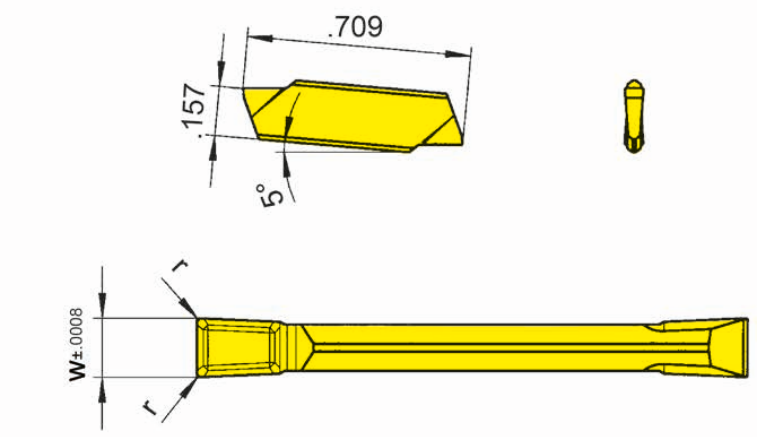
产品型号 Part number	w	r	HIS		MG12	TH35	TI25	TN35
R264.0150.P0	1.5	0.05	26401		Δ	Δ	▲	▲
R264.0200.P0	2	0.05	26402		Δ	Δ	▲	▲
R264.0200.P2	2	0.2	26402					Δ
R264.0250.P0	2.5	0.1	26403			Δ	Δ	▲
R264.0250.P2	2.5	0.2	26403					Δ
R264.0300.P0	3	0.1	26404		Δ	Δ	▲	▲
R264.0300.P2	3	0.2	26404					Δ
L264.0150.P0	1.5	0.05	26401		Δ	Δ	Δ	▲
L264.0200.P0	2	0.05	26402			Δ	▲	Δ
L264.0200.P2	2	0.2	26402					Δ
L264.0250.P0	2.5	0.1	26403		Δ	Δ	Δ	
L264.0250.P2	2.5	0.2	26403					
L264.0300.P0	3	0.1	26404			Δ		Δ
L264.0300.P2	3	0.2	26404					

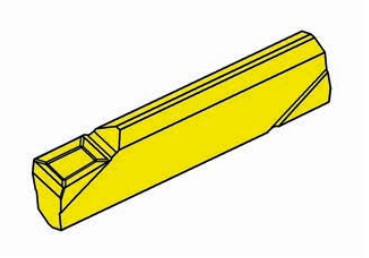
ap=1.5 x w
ap = 1,5 x w

P	o	●	●	●
M	-	●	●	●
K	-	●	●	●
N	-	●	●	●
S	-	●	●	●
H	-	-	-	-

K

.D





硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	HIS		MG12	TN35
S264.0150.D1	1.5	0.05	26401			▲
S264.0200.D1	2	0.05	26402		Δ	▲
S264.0250.D1	2.5	0.1	26403		Δ	▲
S264.0300.D1	3	0.1	26404		Δ	▲
				P	o	●
				M	-	●
				K	-	●
				N	-	●
				S	-	●
				H	-	-

K

274

刀杆和刀片

槽宽0.5 - 3 mm

Toolholder and Inserts

Width of groove 0,5 - 3 mm

L

切槽和侧车削
Grooving and Side Turning

槽型及进给
Geometries and feed rates

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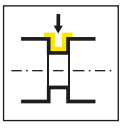
刀杆
Toolholder
H274/RHC274/
H274...E/H274...SF



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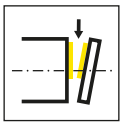
318-319, 337



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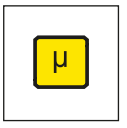

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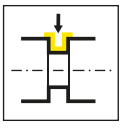
Graf刀杆 型号
Toolholder Graf
974



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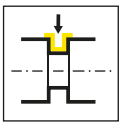
刀夹
Cartridge
KT274/KTC274



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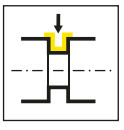
320-321

Graf刀夹
Cartridge Graf
76



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可转位刀片
Indexable insert
S274/S274...E/S274...
SF

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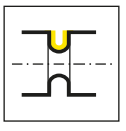

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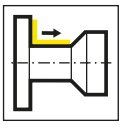
327, 335-336,
342, 350-351



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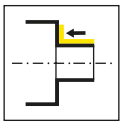

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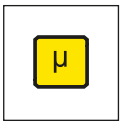
329-330, 3
44, 348



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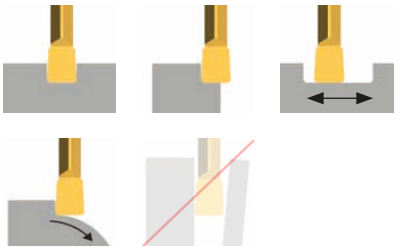
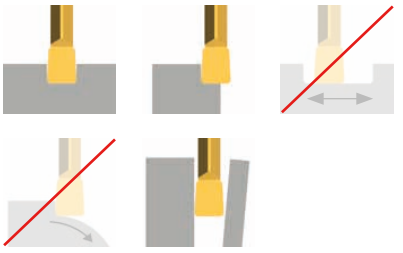
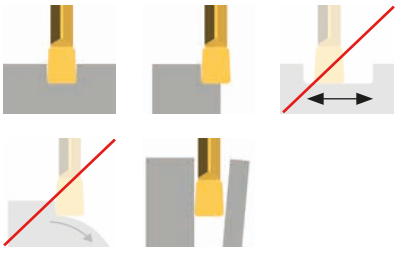
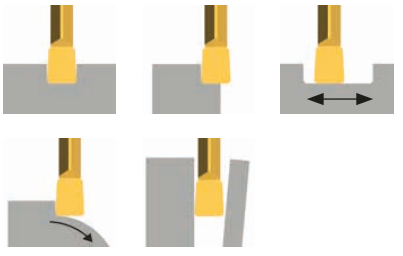
354-360

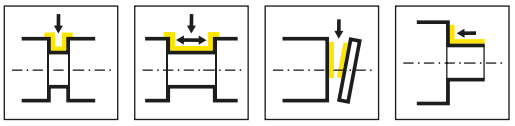
L

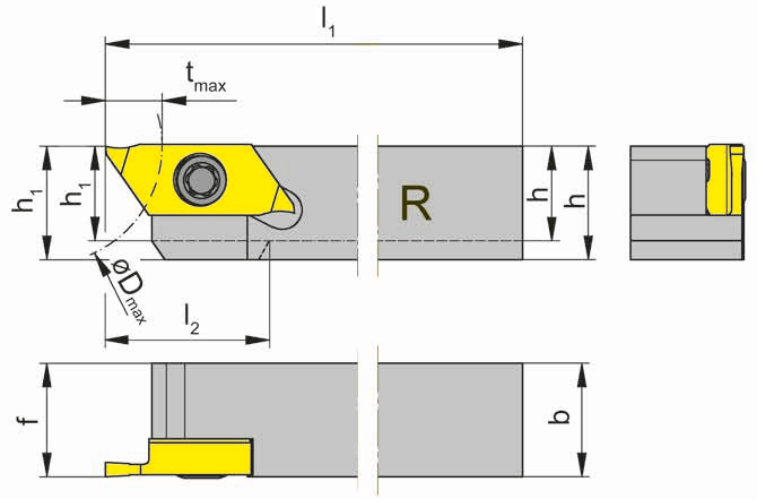
槽型及进给
Geometries and feed rates

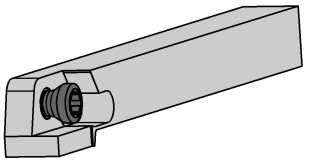
槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.P	P M K N S H	↓ 0.02-0.08 ↔ 0.02-0.04	
.10	P M K N S H	↓ 0.05-0.15	
.20	P M K N S H	↓ 0.07-0.25	
.M0	P M K N S H	↓ 0.02-0.10 ↔ 0.02-0.15	
μ	P M K N S H	↓ 0.002-0.01 ↔ 0.002-0.02	

L

H274







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	h_1	f	t_{max}	D_{max}	HWS
RH274.0808.04	8	8	100	16	8	8	6	25	274040R
RH274.1010.04	10	10	100	-	10	10	6	25	274040R
RH274.1212.04	12	12	100	-	12	12	6	25	274040R
RH274.1414.04	14	14	100	-	14	14	6	25	274040R
RH274.1616.04	16	16	125	-	16	16	6	25	274040R
RH274.2020.04	20	20	125	-	20	20	6	25	274040R
LH274.0808.04	8	8	100	16	8	8	6	25	274040L
LH274.1010.04	10	10	100	-	10	10	6	25	274040L
LH274.1212.04	12	12	100	-	12	12	6	25	274040L
LH274.1414.04	14	14	100	-	14	14	6	25	274040L
LH274.1616.04	16	16	125	-	16	16	6	25	274040L
LH274.2020.04	20	20	125	-	20	20	6	25	274040L

刀柄尺寸为 8 x 8 mm时，刀柄头部偏置。
For shank dimension 8 x 8 mm toolholder with offsett at the head.

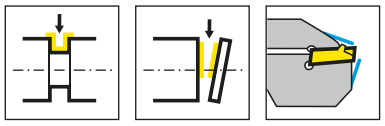
L

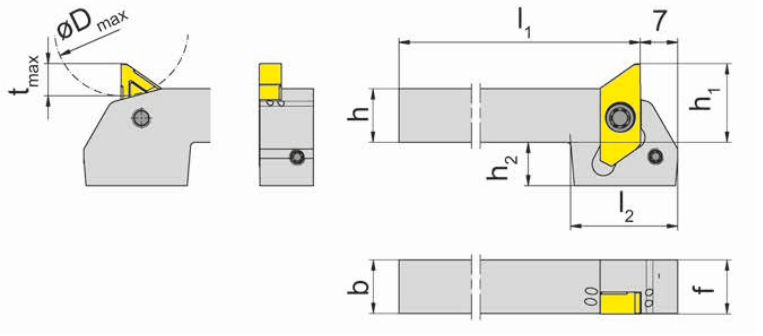
配件
Spare Parts

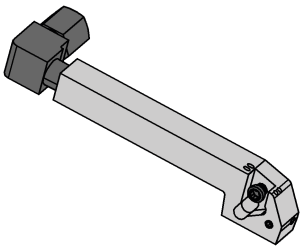
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH274.0808.04	**030.350P.0744**	**T15PQ**
R/LH274...	**030.3509.T15P**	**T15PQ**

刀杆
Toolholder

H274





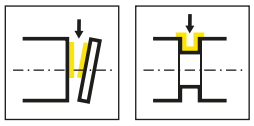


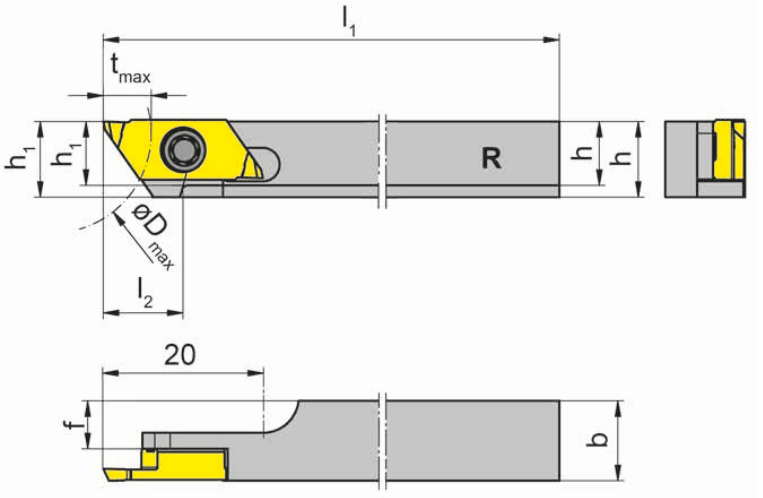
L=左手型-如图
L = left hand version shown

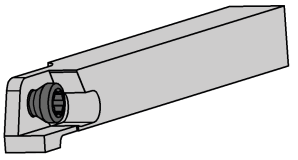
产品型号 Part number	h	b	l_1	l_2	h_1	f	t_{max}	D_{max}	h_2	HWS
LH274.1010.3.Y.6.24.IK	10	10	73	20	14.7	10	6	25	8	274040L
LH274.1010.4.Y.6.24.IK	10	10	93	20	14.7	10	6	25	8	274040L
LH274.1212.3.Y.6.24.IK	12	12	73	20	16.7	12	6	25	6	274040L
LH274.1212.4.Y.6.24.IK	12	12	93	20	16.7	12	6	25	6	274040L
LH274.1616.3.Y.6.24.IK	16	16	73	20	20.7	16	6	25	2	274040L
LH274.1616.4.Y.6.24.IK	16	16	93	20	20.7	16	6	25	2	274040L

配件
Spare Parts

刀杆 Toolholder	**冷却液供应** Coolant supply	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench	**螺钉** Screw Plug
LH274....	**004.00.22**	**030.3509.T15P**	**T15PQ**	
LH274.1616...	**004.00.16**	**030.3509.T15P**	**T15PQ**	**004.00.26**







R=右手型-如图
R = right hand version shown

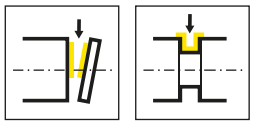
产品型号 Part number	h	b	l_1	l_2	h_1	f	t_{max}	D_{max}	HWS
RH274.0808.6.04	8	8	100	10	9.5	4	6	25	274040R
RH274.1010.6.04	10	10	100	10	9.5	6	6	25	274040R
RH274.1212.6.04	12	12	100	10	9.5	8	6	25	274040R

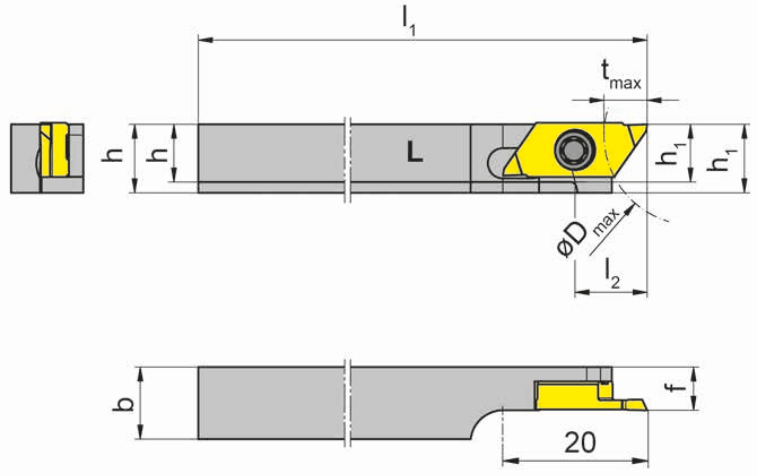
刀柄尺寸为 8 x 8 mm时，刀柄头部偏置。
For shank dimension 8 x 8 mm toolholder with offsett at the head.

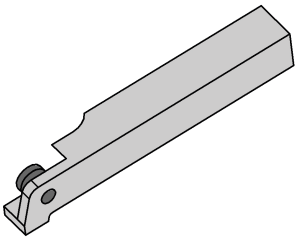
L

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
RH274...	**030.350P.0981**	**T15PQ**







L=左手型-如图
L = left hand version shown

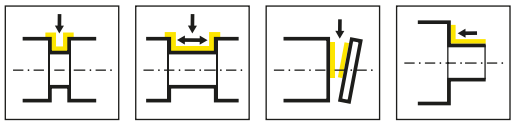
产品型号 Part number	h	b	l_1	l_2	h_1	f	t_{max}	D_{max}	HWS
LH274.0808.6.04.M	8	8	100	10	9.5	6	6	25	274040L
LH274.1010.6.04.M	10	10	100	10	9.5	6	6	25	274040L
LH274.1212.6.04.M	12	12	100	10	9.5	6	6	25	274040L

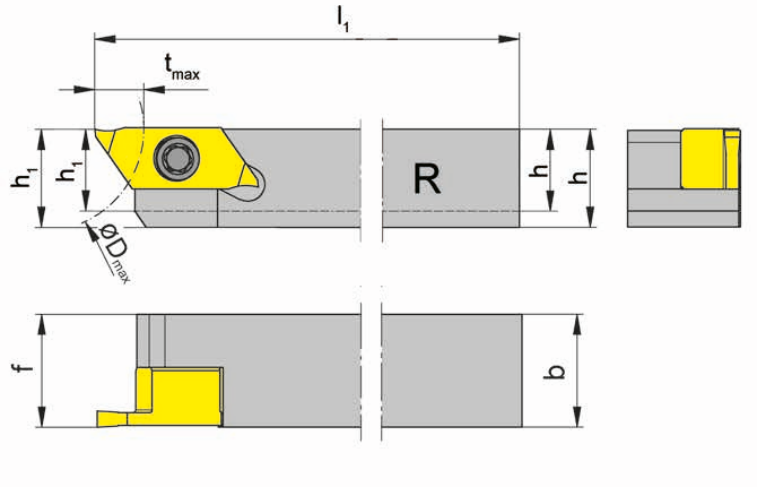
刀柄尺寸为 8 x 8 mm时，刀柄头部偏置。
For shank dimension 8 x 8 mm toolholder with offsett at the head.

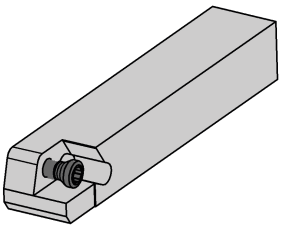
配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
LH274...	**030.350P.0981**	**T15PQ**

H274







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	h_1	f	t_{max}	D_{max}	HWS
RH274.1214.07	12	14	100	12	14	6	25	274070R
RH274.1616.07	16	16	125	16	16	6	25	274070R
LH274.1214.07	12	14	100	12	14	6	25	274070L
LH274.1616.07	16	16	125	16	16	6	25	274070L

用于特殊宽度和非标刀片形状的刀柄
Toolholder for special widths resp. special insert shapes

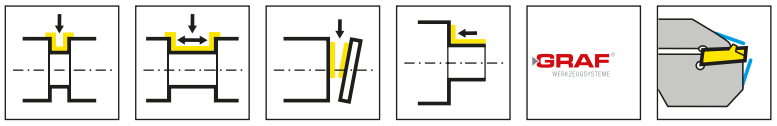
L

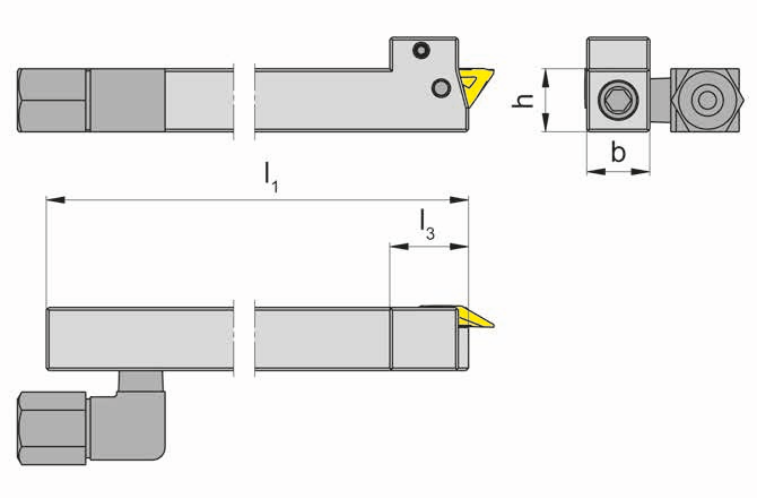
配件
Spare Parts

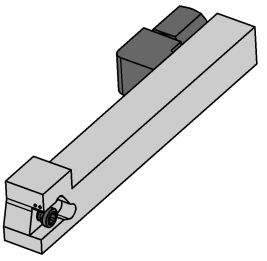
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH274...	**030.3513.T15P**	**T15PQ**

Graf刀杆 型号
Toolholder Graf

974





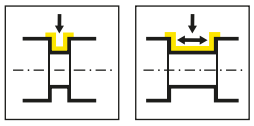


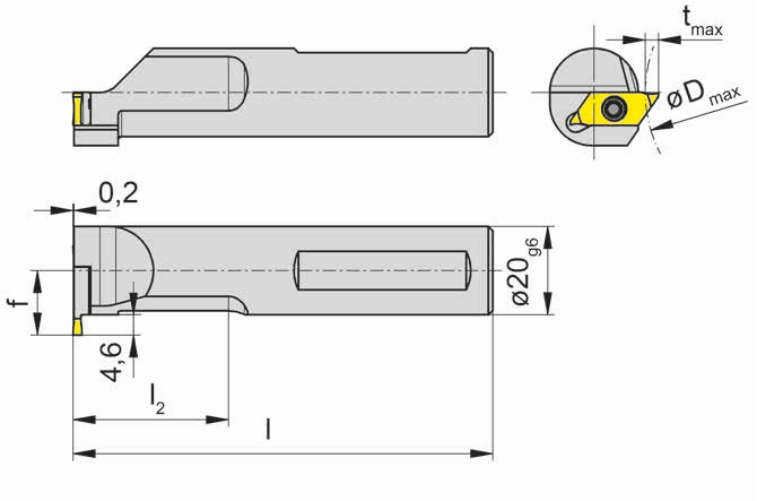
R=右手型-如图
R = right hand version shown

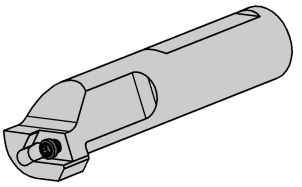
L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_3	HWS
974.L.1012.04.IK	10	12	100	15	274040L
974.L.1212.04.IK	12	12	100	15	274040L
974.L.1616.04.IK	16	16	100	15	274040L
974.L.2020.04.IK	20	20	100	15	274040L
974.R.1012.04.IK	10	12	100	15	274040R
974.R.1212.04.IK	12	12	100	15	274040R
974.R.1616.04.IK	16	16	100	15	274040R
974.R.2020.04.IK	20	20	100	15	274040R

RHC274







R=右手型-如图
R = right hand version shown

产品型号 Part number	l	l_2	f	t_{max}	HWS	HMS
RHC274.0020.1.04	95	35	14.6	6	274040L	Index Traub

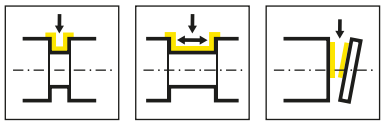
切槽深度与零件直径ø的关系
Depth of groove in relation to workpiece ø

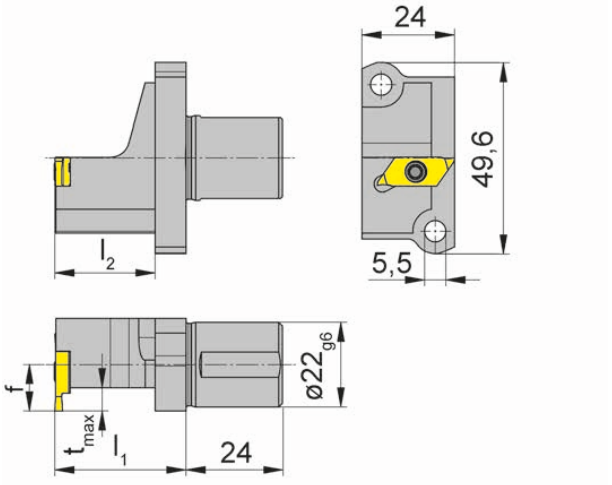
Dmax	tmax
40	2
60	3
120	3,5

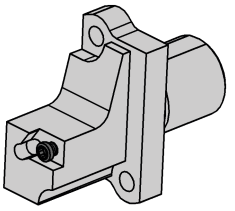
L

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
RHC274.0020.1.04	**030.3509.T15P**	**T15PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	f	l_1	t_{max}	l_2	HWS	HMS
RH274.A022.09.04	9	34	6	26	274040L	Star
RH274.A022.12.04	12	34	6	26	274040L	Star
RH274.A022.16.04	16	34	6	26	274040L	Star
RH274.A022.12.07	12	34	6	26	274070L	Star
LH274.A022.09.04	9	34	6	26	274040R	Star
LH274.A022.16.04	16	34	6	26	274040R	Star
LH274.A022.09.07	9	34	6	26	274070R	Star
LH274.A022.12.07	12	34	6	26	274070R	Star

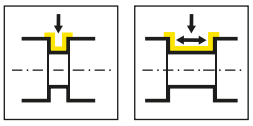
适用于Star Swiss机床
for Swiss type machines Star

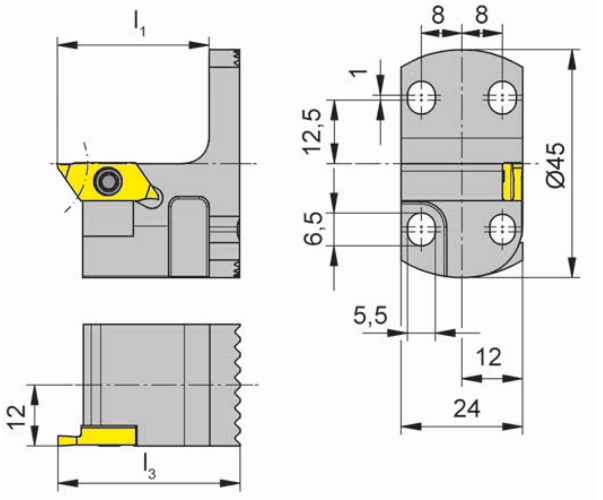
配件
Spare Parts

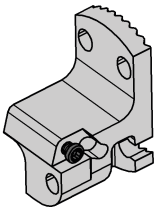
刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LH274...	**030.3513.T15P**	**T15PQ**

刀夹
Cartridge

KT274







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

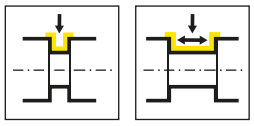
产品型号 Part number	l_3	l_1	HWS
RKT274.2445.04	36	30	274040L
LKT274.2445.04	36	30	274040R

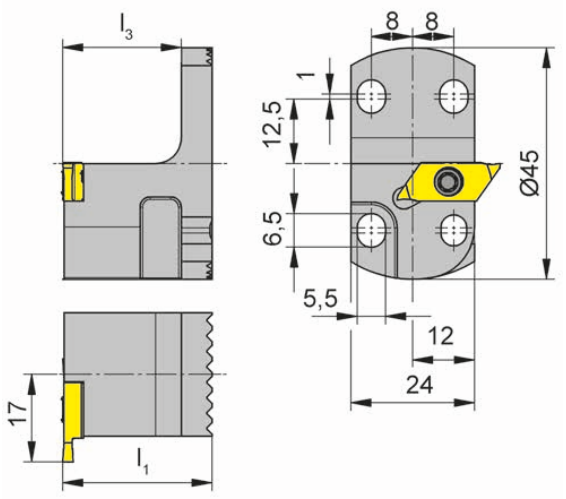
L

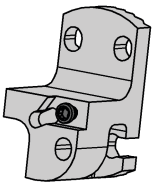
配件
Spare Parts

刀夹 Cartridge	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LKT274.2445.04	**030.3509.T15P**	**T15PQ**

KTC274





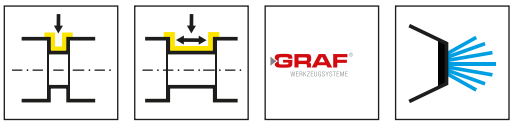


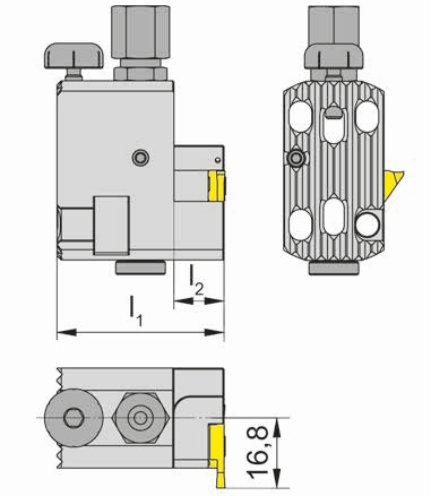
R=右手型-如图
R = right hand version shown

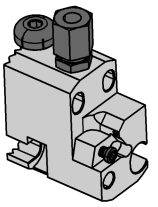
产品型号 Part number	l_1	l_3	HWS
RKTC274.2445.04	29	23	274040L

配件
Spare Parts

刀夹 Cartridge	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
RKTC274.2445.04	**030.3509.T15P**	**T15PQ**







R=右手型-如图
R = right hand version shown

产品型号 Part number	l_1	l_2	HWS
R.76.IK	40	12	274040R

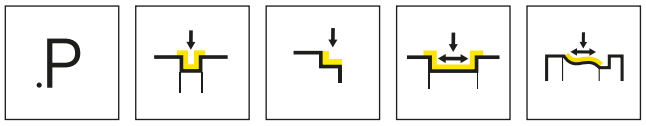
L

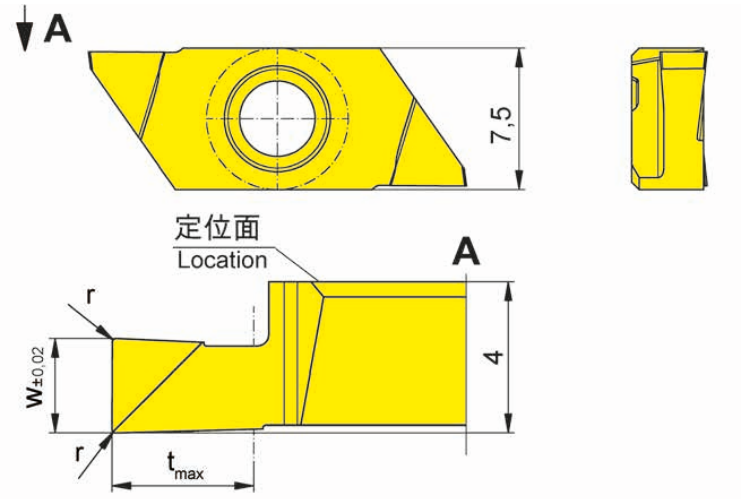
配件
Spare Parts

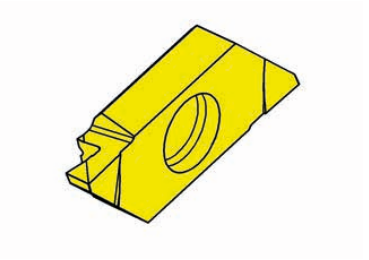
Graf刀夹 Cartridge Graf	**冷却液供应** Coolant supply	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R.76.IK	**004.00.19**	**030.3509.T15P**	**T15PQ**

可转位刀片
Indexable insert

S274







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

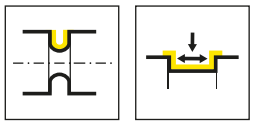
▲ 库存
on stock

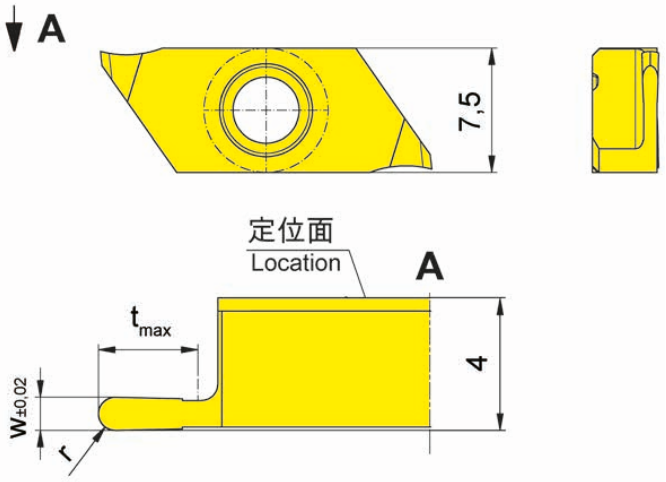
Δ 4周
4 weeks

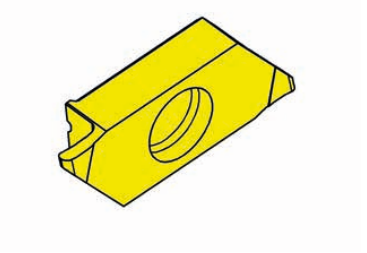
产品型号 Part number	w	r	t_{max}	HIS		AN25	IG35	TH35
RS274.0050.P0	0.5	-	1	274040R		▲	▲	▲
RS274.0100.P0	1	-	2	274040R		▲	▲	▲
RS274.0150.P0	1.5	0.05	2.25	274040R			▲	▲
RS274.0200.P0	2	0.05	3	274040R			▲	▲
RS274.0250.P0	2.5	0.1	3.75	274040R			▲	▲
RS274.0300.P0	3	0.1	4.5	274040R			▲	▲
LS274.0050.P0	0.5	-	1	274040L			▲	▲
LS274.0100.P0	1	-	2	274040L		▲	▲	▲
LS274.0150.P0	1.5	0.05	2.25	274040L			▲	▲
LS274.0200.P0	2	0.05	3	274040L			Δ	▲
LS274.0250.P0	2.5	0.1	3.75	274040L			▲	▲
LS274.0300.P0	3	0.1	4.5	274040L			Δ	▲
					P	●	-	●
					M	o	●	●
					K	-	-	●
					N	-	-	●
					S	-	●	●
					H	-	-	-

L

S274







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

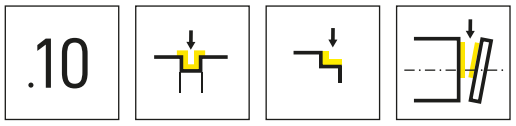
Δ 4周
4 weeks

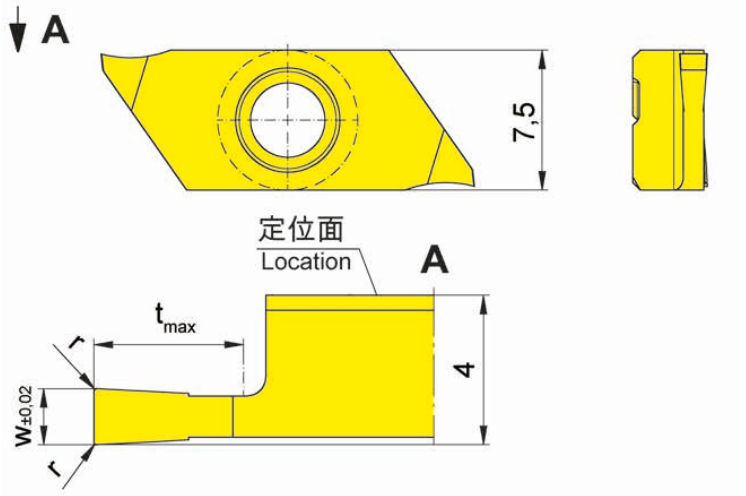
产品型号 Part number	w	t_{max}	r	HIS	IG35	TH35
RS274.0205.01.10	0.5	1.5	0.25	274040R	▲	▲
RS274.0510.03.10	1	3	0.5	274040R	▲	▲
RS274.1020.04.10	2	4	1	274040R	▲	▲
LS274.0205.01.10	0.5	1.5	0.25	274040L	▲	▲
LS274.0510.03.10	1	3	0.5	274040L	▲	▲
LS274.1020.04.10	2	4	1	274040L	Δ	▲
					P	-	●
					M	●	●
					K	-	●
					N	-	●
					S	●	●
					H	-	-

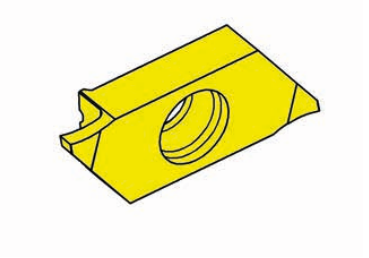
L

可转位刀片
Indexable insert

S274







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

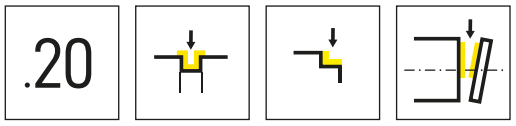
▲ 库存
on stock

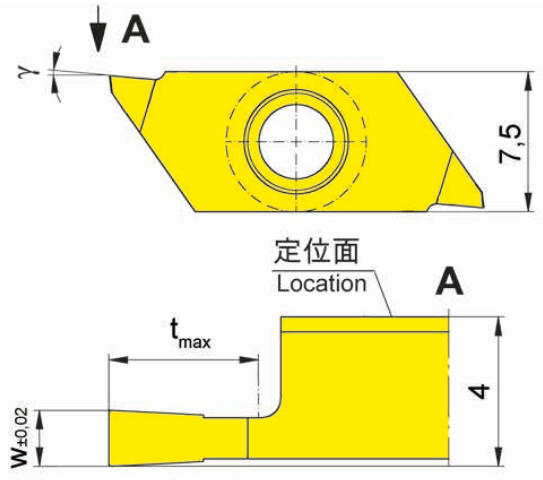
Δ 4周
4 weeks

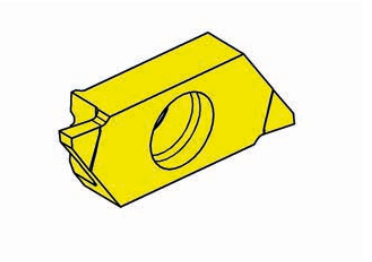
产品型号 Part number	w	r	t_{max}	HIS	IG35	TH35
RS274.0050.01.10	0.5	0.05	1.5	274040R	▲	▲
RS274.0070.02.10	0.7	0.05	2	274040R	▲	▲
RS274.0080.03.10	0.8	0.05	3	274040R	▲	▲
RS274.0100.03.10	1	0.05	3	274040R	▲	▲
RS274.0120.03.10	1.2	0.05	3	274040R	▲	▲
RS274.0150.04.10	1.5	0.05	4	274040R	▲	▲
RS274.0150.06.10	1.5	0.05	6	274040R	▲	▲
RS274.0200.04.10	2	0.05	4	274040R	▲	▲
RS274.0200.06.10	2	0.05	6	274040R	▲	▲
LS274.0050.01.10	0.5	0.05	1.5	274040L	▲	▲
LS274.0070.02.10	0.7	0.05	2	274040L	Δ	Δ
LS274.0080.03.10	0.8	0.05	3	274040L	▲	▲
LS274.0100.03.10	1	0.05	3	274040L	▲	▲
LS274.0120.03.10	1.2	0.05	3	274040L	▲	▲
LS274.0150.04.10	1.5	0.05	4	274040L	▲	▲
LS274.0150.06.10	1.5	0.05	6	274040L	▲	▲
LS274.0200.04.10	2	0.05	4	274040L	▲	▲
LS274.0200.06.10	2	0.05	6	274040L	▲	▲

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

L







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

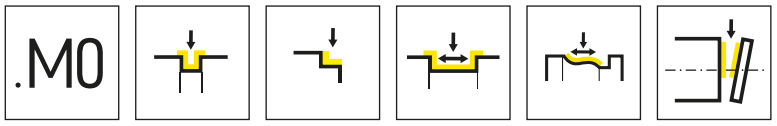
产品型号 Part number	w	t_{max}	γ	HIS	IG35	TH35
RS274.0050.01.20	0.5	1.5	5°	274040R	▲	▲
RS274.0070.02.20	0.7	2	5°	274040R	Δ	▲
RS274.0080.03.20	0.8	3	5°	274040R	Δ	▲
RS274.0100.03.20	1	3	5°	274040R	▲	▲
RS274.0120.03.20	1.2	3	5°	274040R	Δ	▲
RS274.0150.04.20	1.5	4	5°	274040R	▲	▲
RS274.0150.06.20	1.5	6	5°	274040R	Δ	Δ
RS274.0200.04.20	2	4	5°	274040R	Δ	▲
RS274.0200.06.20	2	6	5°	274040R	Δ	▲
LS274.0050.01.20	0.5	1.5	5°	274040L	Δ	▲
LS274.0070.02.20	0.7	2	5°	274040L	Δ	▲
LS274.0080.03.20	0.8	3	5°	274040L	Δ	Δ
LS274.0100.03.20	1	3	5°	274040L	Δ	Δ
LS274.0120.03.20	1.2	3	5°	274040L	Δ	Δ
LS274.0150.04.20	1.5	4	5°	274040L	▲	▲
LS274.0150.06.20	1.5	6	5°	274040L	Δ	▲
LS274.0200.04.20	2	4	5°	274040L	Δ	Δ
LS274.0200.06.20	2	6	5°	274040L	Δ	Δ

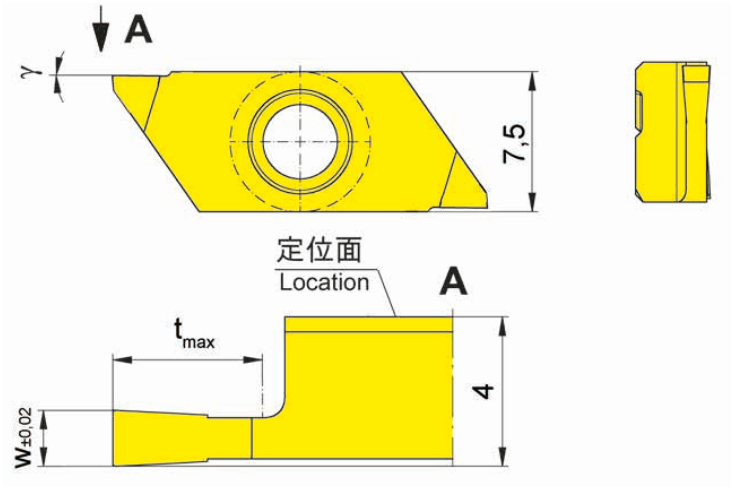
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

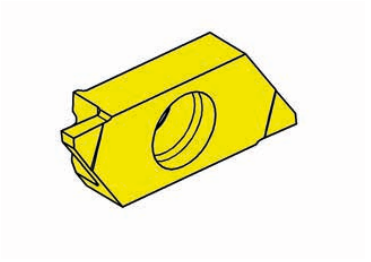
L

可转位刀片
Indexable insert

S274







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

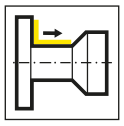
▲ 库存
on stock

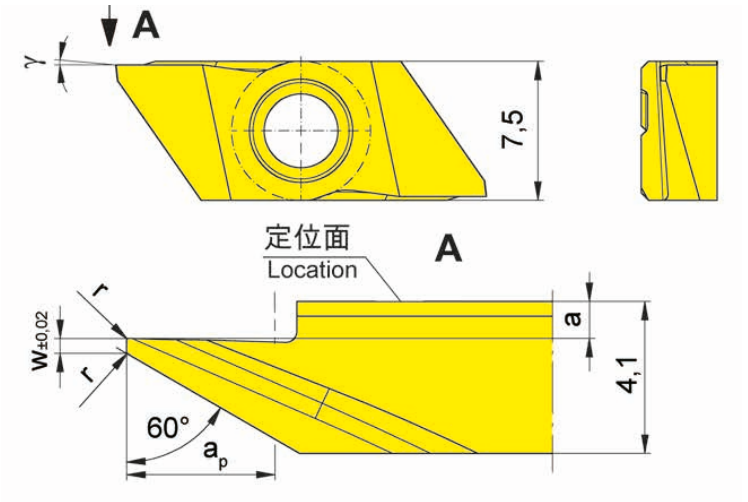
Δ 4周
4 weeks

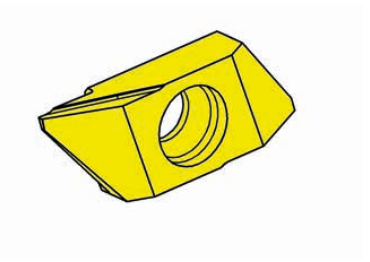
产品型号 Part number	w	t_{max}	γ	HIS		IG35	TH35
RS274.0050.01.M0	0.5	1.5	0°	274040R		Δ	▲
RS274.0070.02.M0	0.7	2	0°	274040R		Δ	Δ
RS274.0080.03.M0	0.8	3	0°	274040R		Δ	Δ
RS274.0100.03.M0	1	3	0°	274040R		Δ	▲
RS274.0120.03.M0	1.2	3	0°	274040R		Δ	▲
RS274.0150.04.M0	1.5	4	0°	274040R		Δ	Δ
RS274.0150.06.M0	1.5	6	0°	274040R		Δ	Δ
RS274.0200.04.M0	2	4	0°	274040R		Δ	Δ
RS274.0200.06.M0	2	6	0°	274040R		Δ	▲
LS274.0050.01.M0	0.5	1.5	0°	274040L		Δ	Δ
LS274.0070.02.M0	0.7	2	0°	274040L		▲	
LS274.0080.03.M0	0.8	3	0°	274040L		Δ	Δ
LS274.0100.03.M0	1	3	0°	274040L		Δ	Δ
LS274.0120.03.M0	1.2	3	0°	274040L		Δ	Δ
LS274.0150.04.M0	1.5	4	0°	274040L		Δ	Δ
LS274.0150.06.M0	1.5	6	0°	274040L		Δ	Δ
LS274.0200.04.M0	2	4	0°	274040L		Δ	Δ
LS274.0200.06.M0	2	6	0°	274040L		Δ	Δ
					P	-	●
					M	●	●
					K	-	●
					N	-	●
					S	●	●
					H	-	-

L

S274







R=右手型-如图
R = right hand version shown

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L = left hand version

硬质合金牌号
Carbide grades

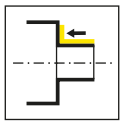
▲ 库存
on stock

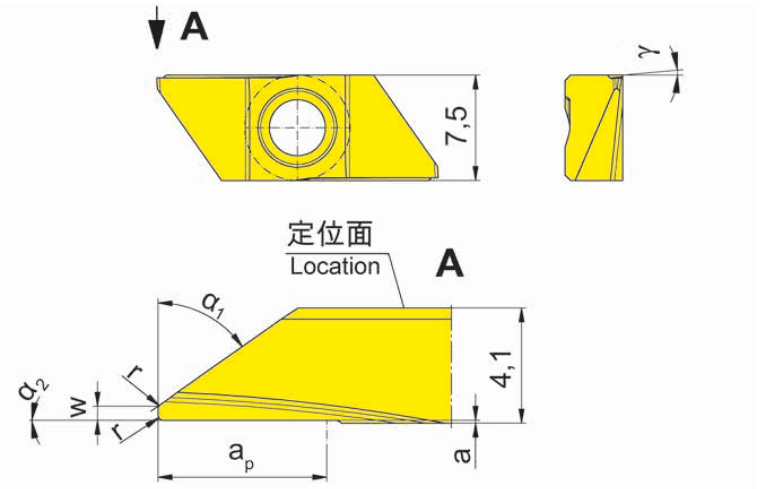
Δ 4周
4 weeks

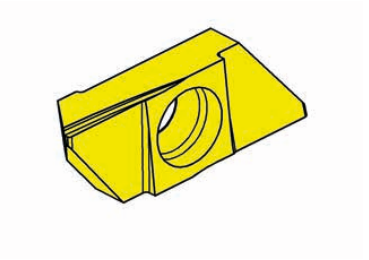
产品型号 Part number	w	r	a	γ	a_p	HIS	K10	IG35	TH35
RS274.0060.04.10	-	0.05	1	15°	4	274040R		▲	▲
RS274.0460.04.10	0.4	0.05	1	15°	4	274040R		▲	▲
RS274.0460.04.M0	0.4	0.05	1	0°	4	274040R	▲	Δ	Δ
RS274.0560.06.11	0.5	0.1	0.05	15°	6	274040R		▲	▲
LS274.0060.04.10	-	0.05	1	15°	4	274040L		Δ	Δ
LS274.0460.04.10	0.4	0.05	1	15°	4	274040L		▲	▲
LS274.0460.04.M0	0.4	0.05	1	0°	4	274040L	Δ	Δ	Δ
LS274.0560.06.11	0.5	0.1	0.05	15°	6	274040L		▲	▲
						P	●	-	●
						M	o	●	●
						K	●	-	●
						N	●	-	●
						S	o	●	●
						H	-	-	-

L

S274







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L = left hand version

硬质合金牌号
Carbide grades

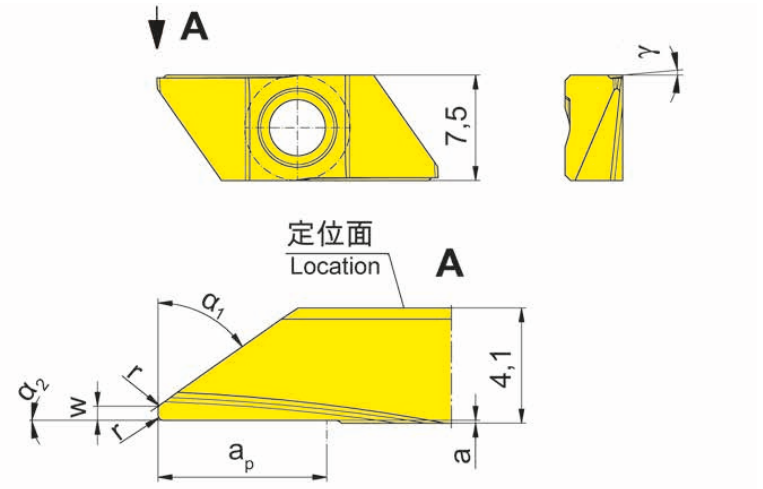
▲ 库存
on stock

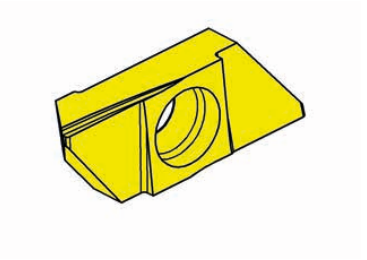
Δ 4周
4 weeks

产品型号 Part number	w	r	α_1	a	γ	a_p	α_2	HIS	IG35	TH35
RS274.0035.04.20	-	0.05	35°	0.1	5°	4	0°	274040R	▲	▲
RS274.0055.04.20	-	0.05	55°	0.1	5°	4	0°	274040R	Δ	▲
RS274.0235.04.20	0.2	-	35°	0.1	5°	4	0°	274040R	▲	▲
RS274.0255.04.20	0.2	-	55°	0.1	5°	4	0°	274040R	Δ	▲
RS274.0535.06.20	0.5	0.2	35°	0.1	5°	6	0°	274040R	▲	▲
RS274.0555.06.20	0.5	0.2	55°	0.1	5°	6	0°	274040R	▲	▲
LS274.0035.04.20	-	0.05	35°	0.1	5°	4	0°	274040L	Δ	Δ
LS274.0055.04.20	-	0.05	55°	0.1	5°	4	0°	274040L	Δ	▲
LS274.0235.04.20	0.2	-	35°	0.1	5°	4	0°	274040L	Δ	▲
LS274.0255.04.20	0.2	-	55°	0.1	5°	4	0°	274040L	Δ	Δ
LS274.0535.06.20	0.5	0.2	35°	0.1	5°	6	0°	274040L	Δ	Δ
LS274.0555.06.20	0.5	0.2	55°	0.1	5°	6	0°	274040L	▲	▲

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

L





R=右手型-如图
R = right hand version shown

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L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

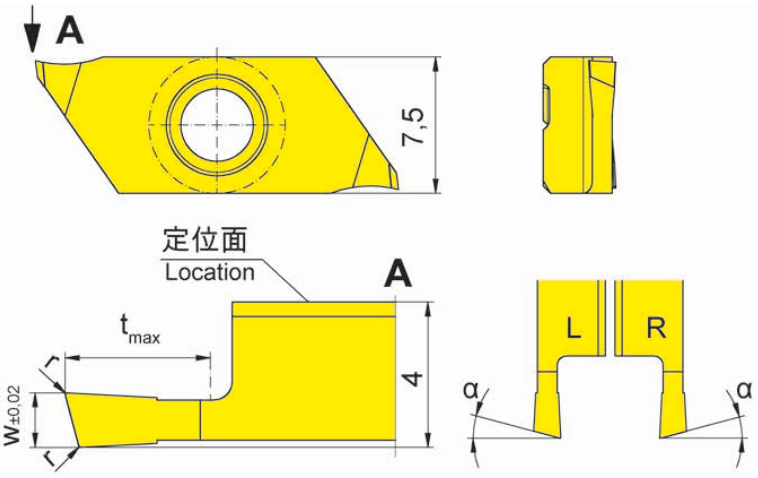
Δ 4周
4 weeks

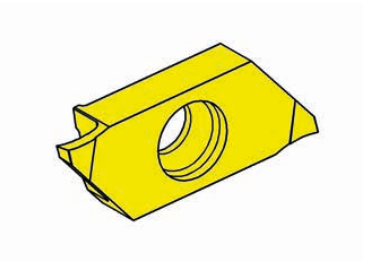
产品型号 Part number	w	r	α_1	a	γ	a_p	α_2	HIS	IG35	TH35
RS274.0035.24.20	-	0.05	35°	0.1	5°	4	2°	274040R	▲	▲
RS274.0235.24.20	0.2	-	35°	0.1	5°	4	2°	274040R	Δ	▲
RS274.0535.26.20	0.5	0.2	35°	0.1	5°	6	2°	274040R	▲	▲
RS274.0055.24.20	-	0.05	55°	0.1	5°	4	2°	274040R	Δ	▲
RS274.0255.24.20	0.2	-	55°	0.1	5°	4	2°	274040R	Δ	▲
RS274.0555.26.20	0.5	0.2	55°	0.1	5°	6	2°	274040R	Δ	▲
LS274.0035.24.20	-	0.05	35°	0.1	5°	4	2°	274040L	Δ	Δ
LS274.0235.24.20	0.2	-	35°	0.1	5°	4	2°	274040L	▲	Δ
LS274.0535.26.20	0.5	0.2	35°	0.1	5°	6	2°	274040L	▲	▲
LS274.0055.24.20	-	0.05	55°	0.1	5°	4	2°	274040L	▲	
LS274.0255.24.20	0.2	-	55°	0.1	5°	4	2°	274040L	Δ	Δ
LS274.0555.26.20	0.5	0.2	55°	0.1	5°	6	2°	274040L	Δ	Δ

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

L

.10





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L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

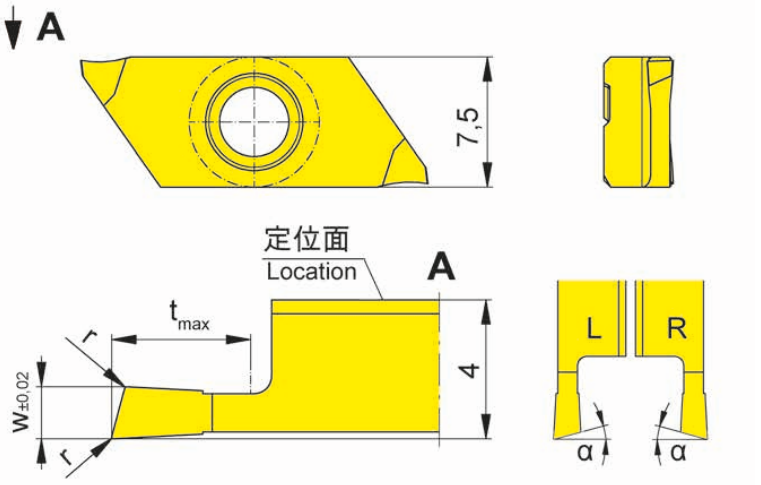
Δ 4周
4 weeks

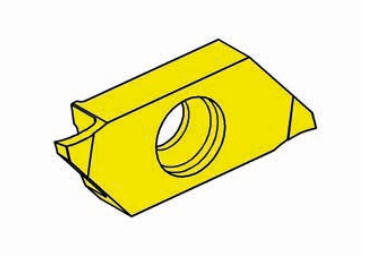
产品型号 Part number	w	r	t_{max}	α	HIS	IG35	TH35
RS274.1508.03.10	0.8	0.05	3	15°	274040R	▲	▲
RS274.1510.03.10	1	0.05	3	15°	274040R	▲	▲
RS274.1515.04.10	1.5	0.05	4	15°	274040R	▲	▲
RS274.1520.06.10	2	0.05	6	15°	274040R	▲	▲
LS274.1508.03.10	0.8	0.05	3	15°	274040L	▲	▲
LS274.1510.03.10	1	0.05	3	15°	274040L	▲	▲
LS274.1515.04.10	1.5	0.05	4	15°	274040L	▲	▲
LS274.1520.06.10	2	0.05	6	15°	274040L	▲	▲

只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

.10





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L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

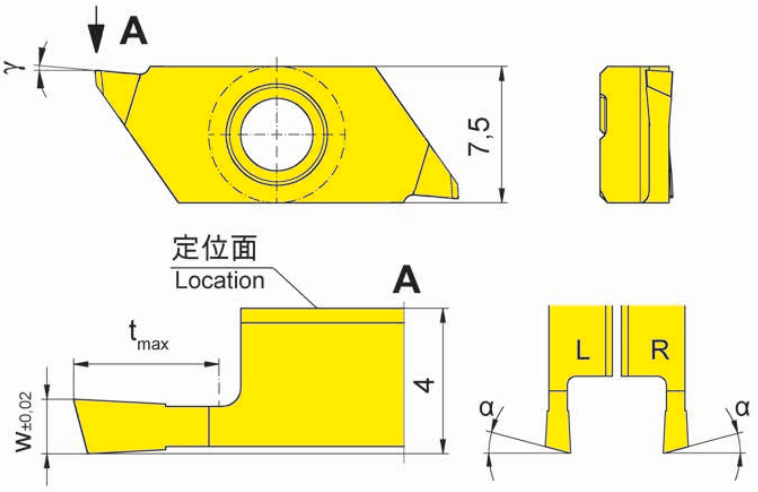
产品型号 Part number	w	r	t_{max}	α	HIS	IG35	TH35
RS274.1508.03.10L	0.8	0.05	3	15°	274040R	Δ	Δ
RS274.1510.03.10L	1	0.05	3	15°	274040R	Δ	Δ
RS274.1515.04.10L	1.5	0.05	4	15°	274040R	Δ	Δ
RS274.1520.06.10L	2	0.05	6	15°	274040R	Δ	▲
LS274.1508.03.10R	0.8	0.05	3	15°	274040L	▲	▲
LS274.1510.03.10R	1	0.05	3	15°	274040L	▲	▲
LS274.1515.04.10R	1.5	0.05	4	15°	274040L	▲	▲
LS274.1520.06.10R	2	0.05	6	15°	274040L	▲	▲

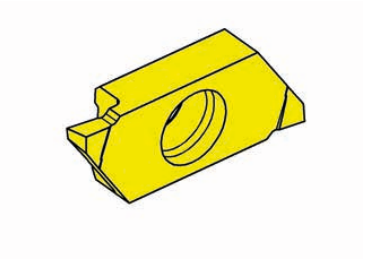
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

L

.20





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L = left hand version

硬质合金牌号
Carbide grades

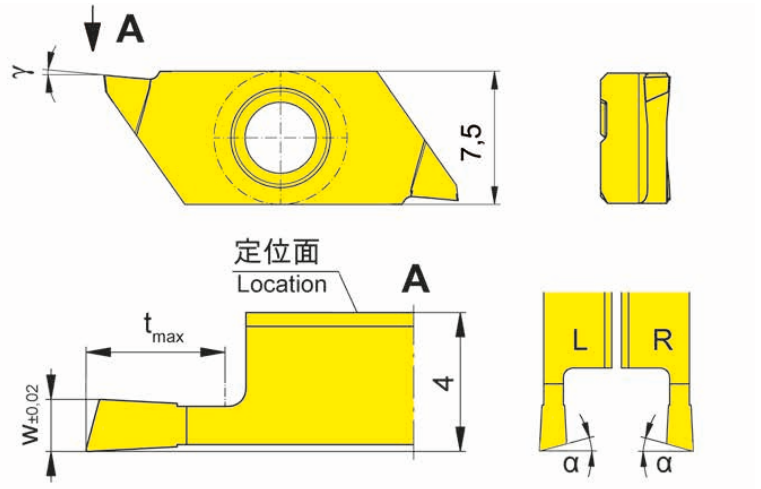
▲ 库存
on stock

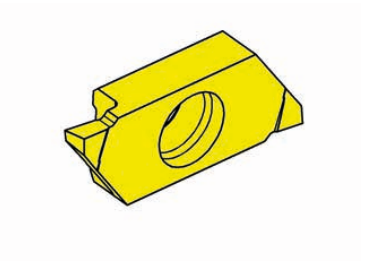
Δ 4周
4 weeks

产品型号 Part number	w	t_{max}	α	γ	HIS		IG35	TH35
RS274.1515.04.20	1.5	4	15°	5°	274040R		Δ	Δ
RS274.1520.06.20	2	6	15°	5°	274040R		Δ	Δ
LS274.1515.04.20	1.5	4	15°	5°	274040L		Δ	Δ
LS274.1520.06.20	2	6	15°	5°	274040L		Δ	Δ
						P	-	●
						M	●	●
						K	-	●
						N	-	●
						S	●	●
						H	-	-

只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

.20





R=右手型-如图
R = right hand version shown

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L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

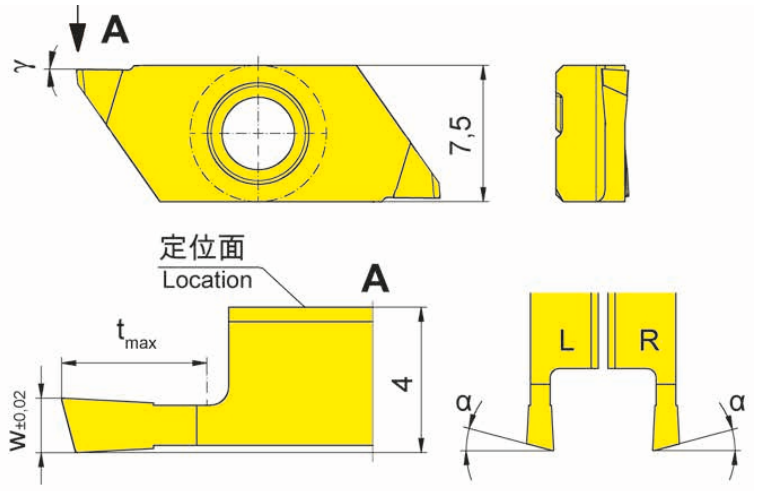
产品型号 Part number	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1520.06.20L	2	6	15°	5°	274040R	Δ	Δ
LS274.1515.04.20R	1.5	4	15°	5°	274040L	Δ	Δ
LS274.1520.06.20R	2	6	15°	5°	274040L	Δ	Δ

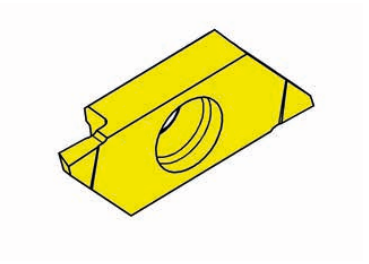
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

L

.M0





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L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

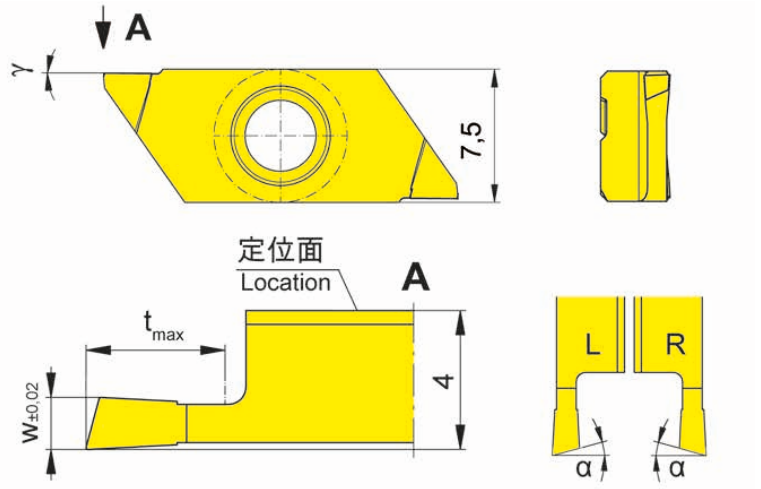
产品型号 Part number	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1508.03.M0	0.8	3	15°	0°	274040R	Δ	Δ
RS274.1510.03.M0	1	3	15°	0°	274040R	Δ	▲
RS274.1515.04.M0	1.5	4	15°	0°	274040R	Δ	Δ
RS274.1520.06.M0	2	6	15°	0°	274040R	Δ	Δ
LS274.1508.03.M0	0.8	3	15°	0°	274040L	Δ	Δ
LS274.1510.03.M0	1	3	15°	0°	274040L	Δ	Δ
LS274.1515.04.M0	1.5	4	15°	0°	274040L	Δ	Δ
LS274.1520.06.M0	2	6	15°	0°	274040L	Δ	Δ

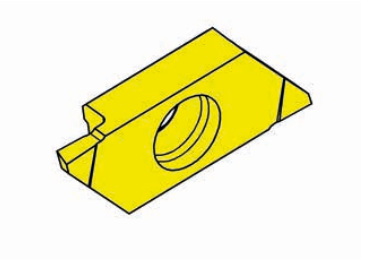
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

L

.M0





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L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

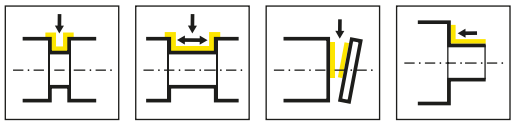
产品型号 Part number	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1510.03.M0L	1	3	15°	0°	274040R	Δ	
RS274.1515.04.M0L	1.5	4	15°	0°	274040R	Δ	Δ
RS274.1520.06.M0L	2	6	15°	0°	274040R	Δ	Δ
LS274.1508.03.M0R	0.8	3	15°	0°	274040L	Δ	▲
LS274.1510.03.M0R	1	3	15°	0°	274040L	Δ	Δ
LS274.1515.04.M0R	1.5	4	15°	0°	274040L	Δ	Δ
LS274.1520.06.M0R	2	6	15°	0°	274040L	Δ	Δ

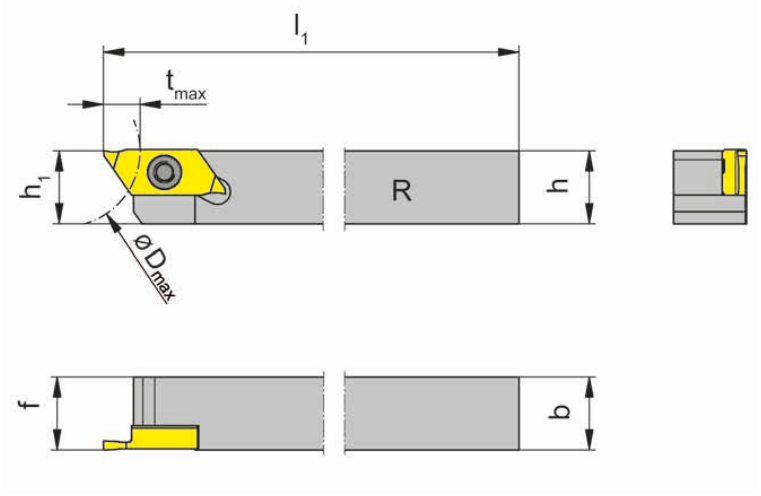
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

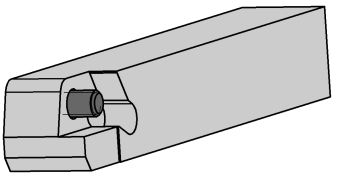
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

L

H274...E







R=右手型-如图
R = right hand version shown

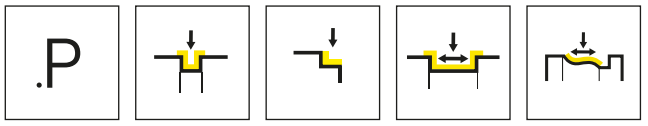
L=左手型
L = left hand version

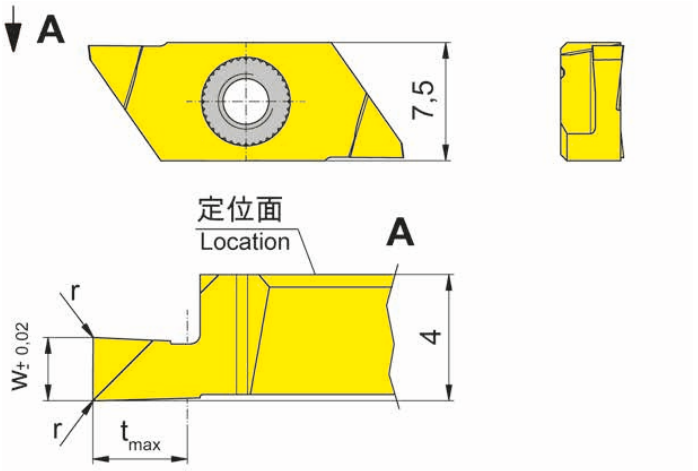
产品型号 Part number	h	b	l_1	h_1	f	t_{max}	D_{max}	HWS
RH274.0808.04.E	8	8	100	8	8	6	25	274140R
RH274.1010.04.E	10	10	100	10	10	6	25	274140R
RH274.1212.04.E	12	12	100	12	12	6	25	274140R
RH274.1616.04.E	16	16	125	16	16	6	25	274140R
RH274.2020.04.E	20	20	125	20	20	6	25	274140R
LH274.0808.04.E	8	8	100	8	8	6	25	274140L
LH274.1010.04.E	10	10	100	10	10	6	25	274140L
LH274.1212.04.E	12	12	100	12	12	6	25	274140L
LH274.1616.04.E	16	16	125	16	16	6	25	274140L
LH274.2020.04.E	20	20	125	20	20	6	25	274140L

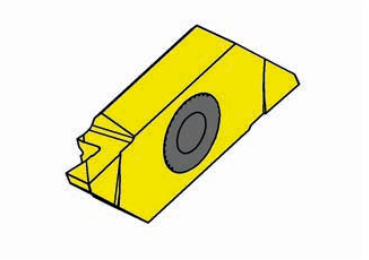
配件
Spare Parts

刀杆 Toolholder	**TORX PLUS®扳手** TORX PLUS® Wrench	**锁紧螺钉** Clamping Screw
R/LH274.0808.04.E	**T15PQ**	
R/LH274...	**T15PQ**	**030.3509.T15P**

S274...E







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硬质合金牌号
Carbide grades

▲ 库存
on stock

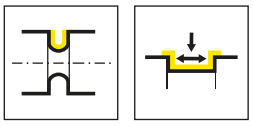
Δ 4周
4 weeks

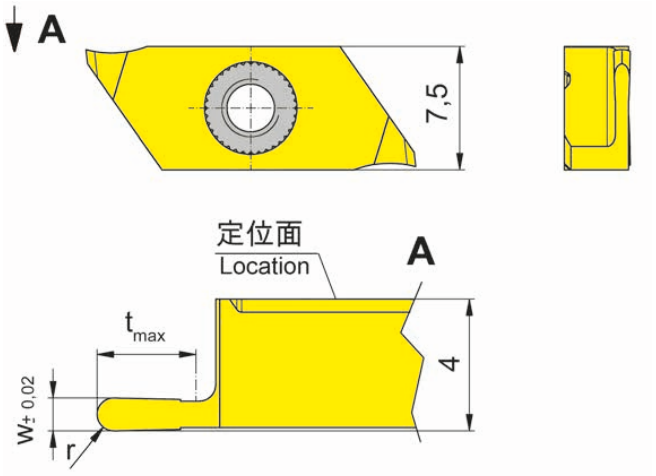
产品型号 Part number	w	r	t_{max}	HIS	IG35	TH35
RS274.0150.P0.E	1.5	0.05	2.25	274140R	Δ	Δ
RS274.0200.P0.E	2	0.05	3	274140R	Δ	Δ
RS274.0250.P0.E	2.5	0.1	3.75	274140R	Δ	Δ
RS274.0300.P0.E	3	0.1	4.5	274140R	Δ	Δ
LS274.0150.P0.E	1.5	0.05	2.25	274140L	Δ	Δ
LS274.0200.P0.E	2	0.05	3	274140L	Δ	Δ
LS274.0250.P0.E	2.5	0.1	3.75	274140L	Δ	Δ
LS274.0300.P0.E	3	0.1	4.5	274140L	Δ	Δ

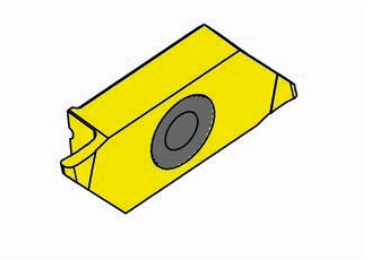
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

L

S274...E







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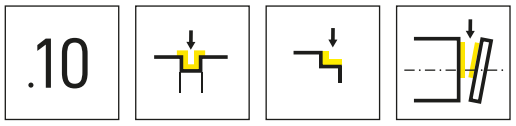
硬质合金牌号
Carbide grades

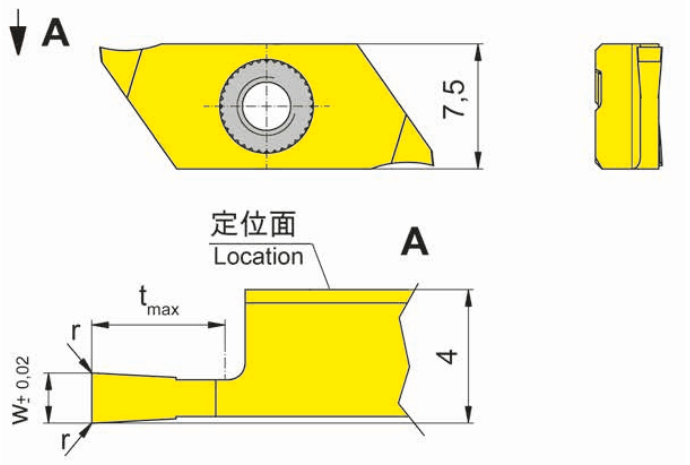
▲ 库存
on stock

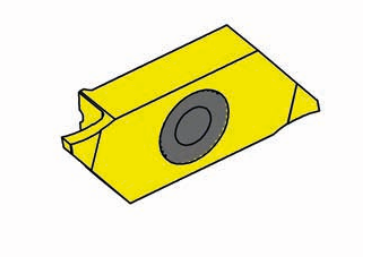
Δ 4周
4 weeks

产品型号 Part number	w	t_{max}	r	HIS		IG35	TH35
RS274.0205.01.10.E	0.5	1.5	0.25	274140R		Δ	Δ
RS274.0510.03.10.E	1	3	0.5	274140R		Δ	▲
RS274.1020.04.10.E	2	4	1	274140R		Δ	Δ
LS274.0205.01.10.E	0.5	1.5	0.25	274140L		Δ	Δ
LS274.0510.03.10.E	1	3	0.5	274140L		Δ	Δ
LS274.1020.04.10.E	2	4	1	274140L		Δ	Δ
					P	-	●
					M	●	●
					K	-	●
					N	-	●
					S	●	●
					H	-	-

S274...E







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硬质合金牌号
Carbide grades

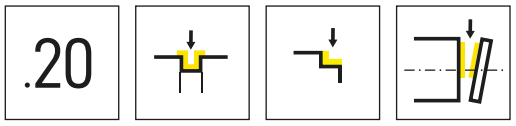
▲ 库存
on stock

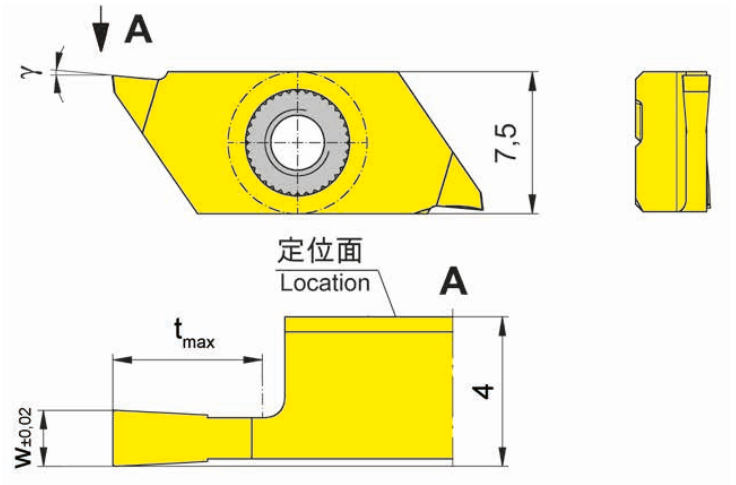
Δ 4周
4 weeks

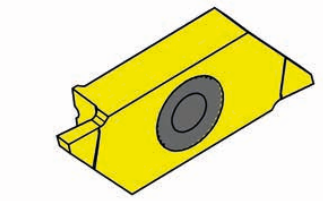
产品型号 Part number	w	r	t_{max}	HIS	IG35	TH35
RS274.0120.03.10.E	1.2	0.05	3	274140R	Δ	Δ
RS274.0050.01.10.E	0.5	0.05	1.5	274140R	Δ	Δ
RS274.0070.02.10.E	0.7	0.05	2	274140R	Δ	Δ
RS274.0080.03.10.E	0.8	0.05	3	274140R	Δ	Δ
RS274.0100.03.10.E	1	0.05	3	274140R	Δ	Δ
RS274.0150.04.10.E	1.5	0.05	4	274140R	Δ	Δ
RS274.0150.06.10.E	1.5	0.05	6	274140R	Δ	Δ
RS274.0200.04.10.E	2	0.05	4	274140R	Δ	Δ
RS274.0200.06.10.E	2	0.05	6	274140R	Δ	Δ
LS274.0120.03.10.E	1.2	0.05	3	274140L	Δ	Δ
LS274.0050.01.10.E	0.5	0.05	1.5	274140L	Δ	Δ
LS274.0070.02.10.E	0.7	0.05	2	274140L	Δ	Δ
LS274.0080.03.10.E	0.8	0.05	3	274140L	Δ	Δ
LS274.0100.03.10.E	1	0.05	3	274140L		Δ
LS274.0150.04.10.E	1.5	0.05	4	274140L	Δ	Δ
LS274.0150.06.10.E	1.5	0.05	6	274140L	Δ	
LS274.0200.04.10.E	2	0.05	4	274140L	Δ	Δ
LS274.0200.06.10.E	2	0.05	6	274140L	Δ	Δ

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

L







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硬质合金牌号
Carbide grades

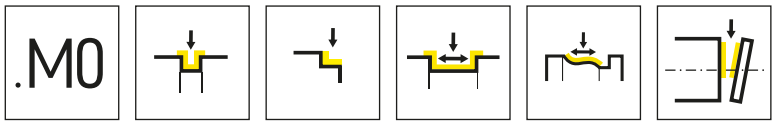
▲ 库存
on stock

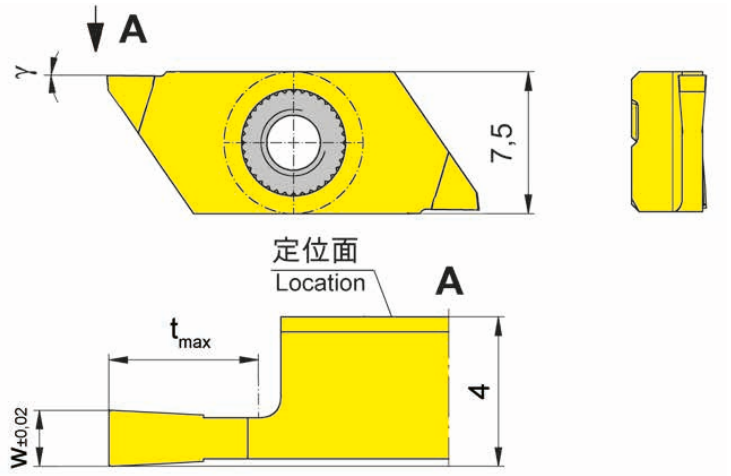
Δ 4周
4 weeks

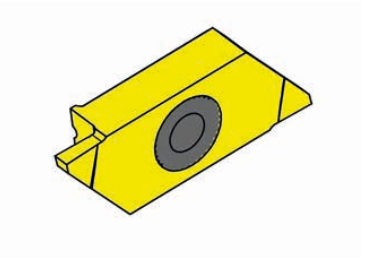
产品型号 Part number	w	t_{max}	γ	HIS		IG35	TH35
RS274.0050.01.20.E	0.5	1.5	5°	274140R		Δ	Δ
RS274.0070.02.20.E	0.7	2	5°	274140R		Δ	Δ
RS274.0080.03.20.E	0.8	3	5°	274140R		Δ	Δ
RS274.0100.03.20.E	1	3	5°	274140R		Δ	Δ
RS274.0120.03.20.E	1.2	3	5°	274140R		Δ	Δ
RS274.0150.06.20.E	1.5	6	5°	274140R		Δ	Δ
RS274.0200.04.20.E	2	4	5°	274140R		Δ	Δ
RS274.0200.06.20.E	2	6	5°	274140R		Δ	Δ
LS274.0050.01.20.E	0.5	1.5	5°	274140L		Δ	Δ
LS274.0070.02.20.E	0.7	2	5°	274140L		Δ	Δ
LS274.0080.03.20.E	0.8	3	5°	274140L		Δ	Δ
LS274.0100.03.20.E	1	3	5°	274140L		Δ	Δ
LS274.0120.03.20.E	1.2	3	5°	274140L		Δ	Δ
LS274.0150.06.20.E	1.5	6	5°	274140L		Δ	Δ
LS274.0200.04.20.E	2	4	5°	274140L		Δ	Δ
LS274.0200.06.20.E	2	6	5°	274140L		Δ	Δ
					P	-	●
					M	●	●
					K	-	●
					N	-	●
					S	●	●
					H	-	-

L

S274...E







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硬质合金牌号
Carbide grades

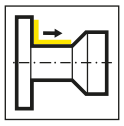
▲ 库存
on stock

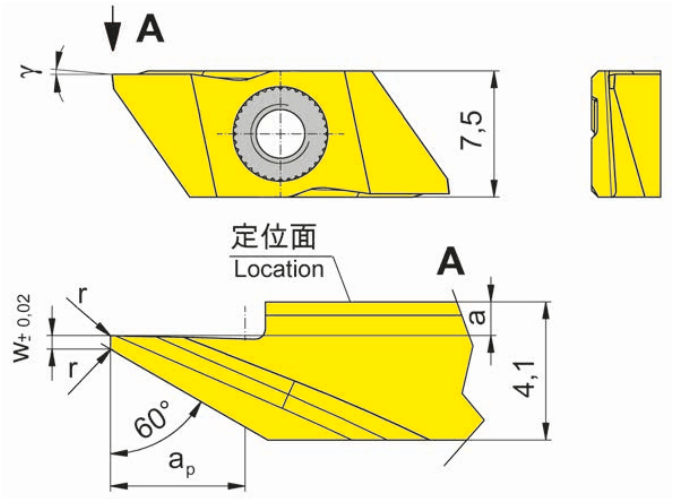
Δ 4周
4 weeks

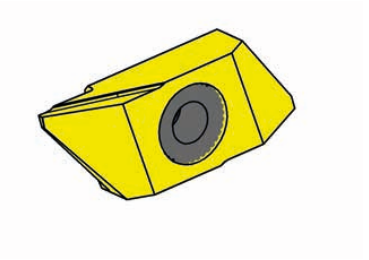
产品型号 Part number	w	t_{max}	γ	HIS		IG35	TH35
RS274.0050.01.M0.E	0.5	1.5	0°	274140R		Δ	Δ
RS274.0070.02.M0.E	0.7	2	0°	274140R		Δ	Δ
RS274.0080.03.M0.E	0.8	3	0°	274140R		Δ	Δ
RS274.0100.03.M0.E	1	3	0°	274140R		Δ	Δ
RS274.0120.03.M0.E	1.2	3	0°	274140R		Δ	Δ
RS274.0150.04.M0.E	1.5	4	0°	274140R		Δ	
RS274.0150.06.M0.E	1.5	6	0°	274140R		Δ	Δ
RS274.0200.04.M0.E	2	4	0°	274140R		Δ	Δ
RS274.0200.06.M0.E	2	6	0°	274140R		Δ	Δ
LS274.0050.01.M0.E	0.5	1.5	0°	274140L		Δ	Δ
LS274.0070.02.M0.E	0.7	2	0°	274140L		Δ	Δ
LS274.0080.03.M0.E	0.8	3	0°	274140L		Δ	Δ
LS274.0100.03.M0.E	1	3	0°	274140L		Δ	Δ
LS274.0120.03.M0.E	1.2	3	0°	274140L		Δ	Δ
LS274.0150.04.M0.E	1.5	4	0°	274140L		Δ	Δ
LS274.0150.06.M0.E	1.5	6	0°	274140L		Δ	
LS274.0200.04.M0.E	2	4	0°	274140L		Δ	Δ
LS274.0200.06.M0.E	2	6	0°	274140L		Δ	Δ
					P	-	●
					M	●	●
					K	-	●
					N	-	●
					S	●	●
					H	-	-

L

S274...E







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硬质合金牌号
Carbide grades

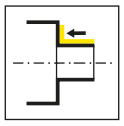
▲ 库存
on stock

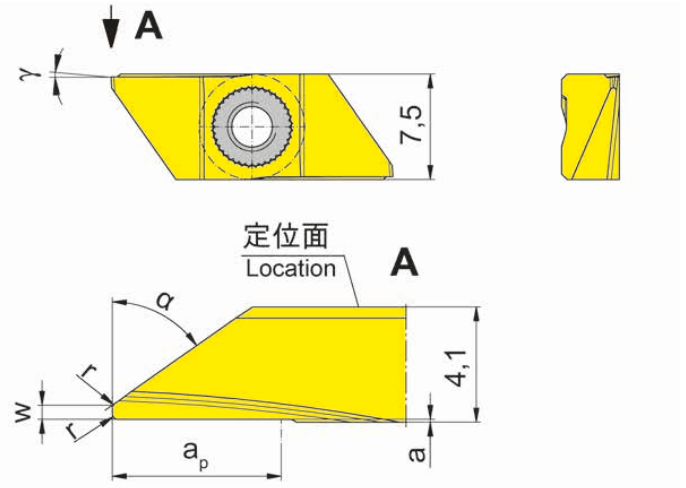
Δ 4周
4 weeks

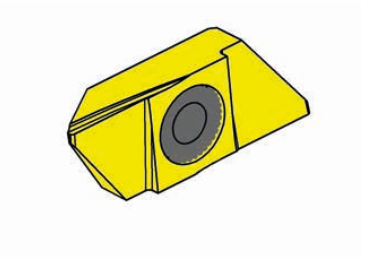
产品型号 Part number	w	r	a	γ	a_p	HIS		K10	IG35	TH35
RS274.0060.04.10.E	-	0.05	1	15°	4	274140R			Δ	Δ
RS274.0460.04.10.E	0.4	0.05	1	15°	4	274140R			Δ	▲
RS274.0460.04.M0.E	0.4	0.05	1	0°	4	274140R		Δ	Δ	Δ
RS274.0560.06.11.E	0.5	0.1	0.05	15°	6	274140R			Δ	▲
LS274.0060.04.10.E	-	0.05	1	15°	4	274140L			Δ	Δ
LS274.0460.04.10.E	0.4	0.05	1	15°	4	274140L			Δ	Δ
LS274.0460.04.M0.E	0.4	0.05	1	0°	4	274140L		Δ	Δ	Δ
LS274.0560.06.11.E	0.5	0.1	0.05	15°	6	274140L			Δ	Δ
							P	●	-	●
							M	o	●	●
							K	●	-	●
							N	●	-	●
							S	o	●	●
							H	-	-	-

L

S274...E







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硬质合金牌号
Carbide grades

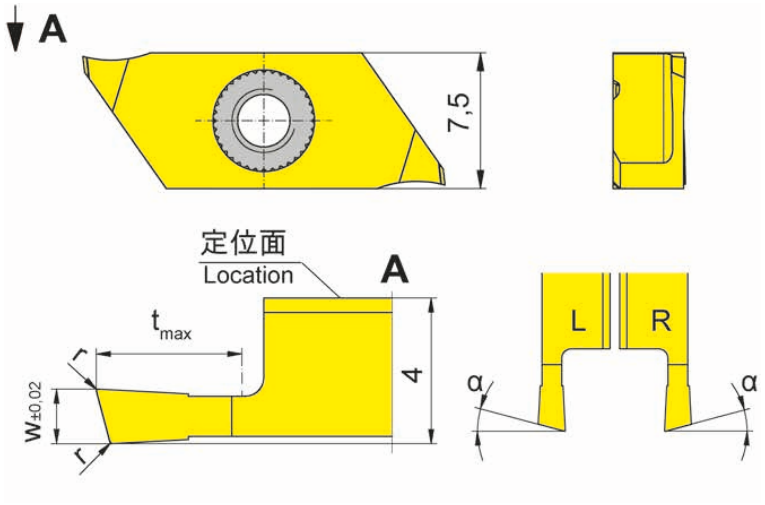
▲ 库存
on stock

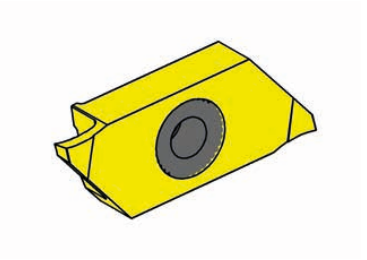
Δ 4周
4 weeks

产品型号 Part number	w	r	a	γ	a_p	α	HIS	IG35	TH35
RS274.0035.04.20.E	-	0.05	0.1	5°	4	35°	274140R	Δ	Δ
RS274.0235.04.20.E	0.2	-	0.1	5°	4	35°	274140R	Δ	Δ
RS274.0535.06.20.E	0.5	0.2	0.1	5°	6	35°	274140R	Δ	Δ
RS274.0055.04.20.E	-	0.05	0.1	5°	4	55°	274140R	Δ	Δ
RS274.0255.04.20.E	0.2	-	0.1	5°	4	55°	274140R	Δ	Δ
RS274.0555.06.20.E	0.5	0.2	0.1	5°	6	55°	274140R	Δ	Δ
LS274.0035.04.20.E	-	0.05	0.1	5°	4	35°	274140L	Δ	Δ
LS274.0235.04.20.E	0.2	-	0.1	5°	4	35°	274140L	Δ	Δ
LS274.0535.06.20.E	0.5	0.2	0.1	5°	6	35°	274140L	Δ	Δ
LS274.0055.04.20.E	-	0.05	0.1	5°	4	55°	274140L	Δ	Δ
LS274.0255.04.20.E	0.2	-	0.1	5°	4	55°	274140L	Δ	Δ
LS274.0555.06.20.E	0.5	0.2	0.1	5°	6	55°	274140L	Δ	Δ

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

.10





R=右手型-如图
R = right hand version shown

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L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

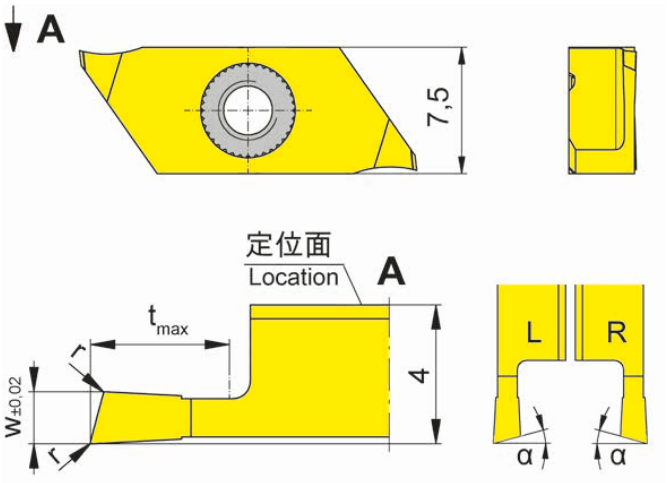
产品型号 Part number	w	r	t_{max}	α	HIS	IG35	TH35
RS274.1508.03.10.E	0.8	0.05	3	15°	274140R	Δ	Δ
RS274.1510.03.10.E	1	0.05	3	15°	274140R	Δ	Δ
RS274.1515.04.10.E	1.5	0.05	4	15°	274140R	Δ	Δ
RS274.1520.06.10.E	2	0.05	6	15°	274140R	Δ	Δ
LS274.1508.03.10.E	0.8	0.05	3	15°	274140L	Δ	Δ
LS274.1510.03.10.E	1	0.05	3	15°	274140L	Δ	Δ
LS274.1515.04.10.E	1.5	0.05	4	15°	274140L	Δ	
LS274.1520.06.10.E	2	0.05	6	15°	274140L	Δ	Δ

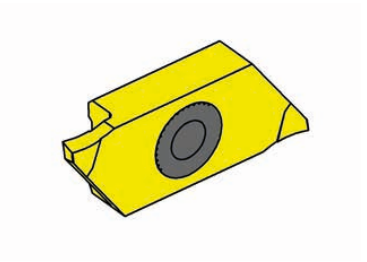
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

S274...E

.10





R=右手型-如图
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L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

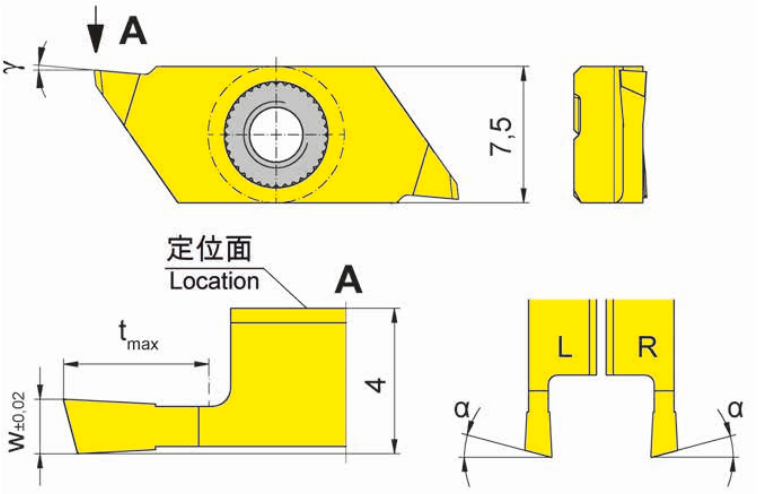
产品型号 Part number	w	r	t_{max}	α	HIS	IG35	TH35
RS274.1508.03.1L.E	0.8	0.05	3	15°	274140R	Δ	Δ
RS274.1510.03.1L.E	1	0.05	3	15°	274140R	Δ	Δ
RS274.1515.04.1L.E	1.5	0.05	4	15°	274140R	Δ	Δ
RS274.1520.06.1L.E	2	0.05	6	15°	274140R	Δ	Δ
LS274.1508.03.1R.E	0.8	0.05	3	15°	274140L	Δ	Δ
LS274.1510.03.1R.E	1	0.05	3	15°	274140L	Δ	Δ
LS274.1520.06.1R.E	2	0.05	6	15°	274140L	Δ	Δ

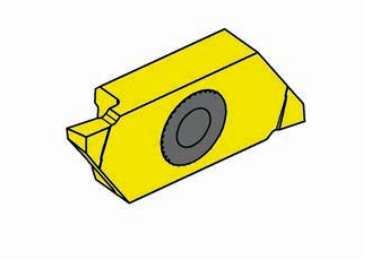
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

L

.20





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硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

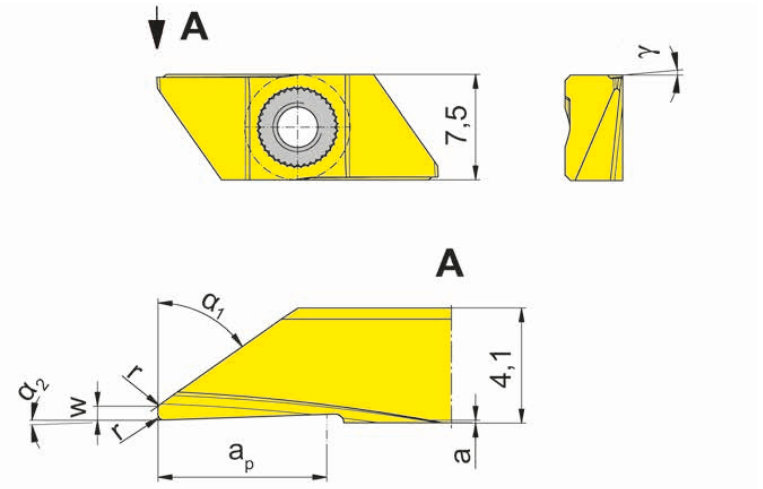
产品型号 Part number	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1515.04.20.E	1.5	4	15°	5°	274140R	Δ	Δ
RS274.1520.06.20.E	2	6	15°	5°	274140R	Δ	
LS274.1515.04.20.E	1.5	4	15°	5°	274140L	Δ	Δ
LS274.1520.06.20.E	2	6	15°	5°	274140L	Δ	Δ

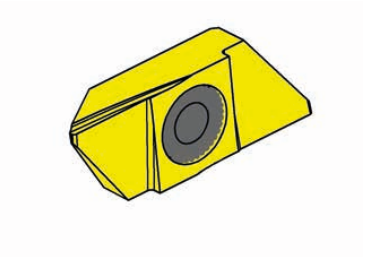
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

L

S274...E





硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

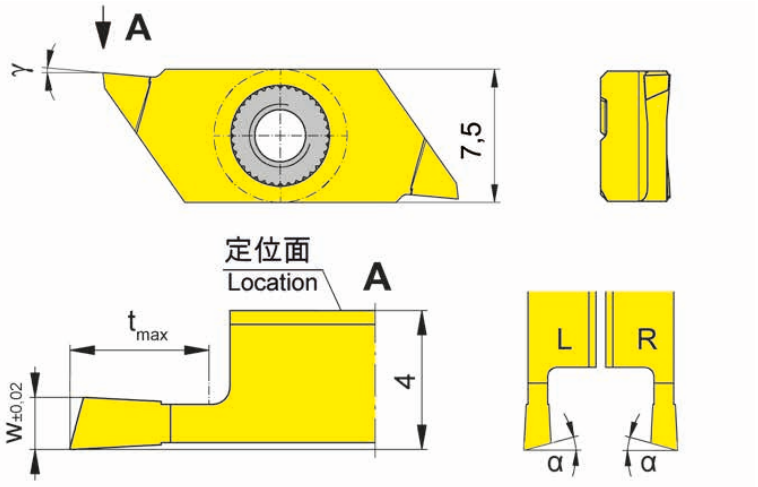
产品型号 Part number	w	r	a	γ	a_p	α_2	IG35	TH35
RS274.0035.24.20.E	-	0.05	0.1	5°	4	2°	Δ	Δ
RS274.0055.24.20.E	-	0.05	0.1	5°	4	2°	Δ	Δ
RS274.0235.24.20.E	0.2	-	0.1	5°	4	2°	Δ	Δ
RS274.0255.24.20.E	0.2	-	0.1	5°	4	2°	Δ	
LS274.0035.24.20.E	-	0.05	0.1	5°	4	2°	Δ	Δ
LS274.0055.24.20.E	-	0.05	0.1	5°	4	2°	Δ	Δ
LS274.0235.24.20.E	0.2	-	0.1	5°	4	2°	Δ	Δ
LS274.0255.24.20.E	0.2	-	0.1	5°	4	2°	Δ	Δ
LS274.0535.26.20.E	0.5	0.2	0.1	5°	6	2°	Δ	Δ
LS274.0555.26.20.E	0.5	0.2	0.1	5°	6	2°	Δ	Δ

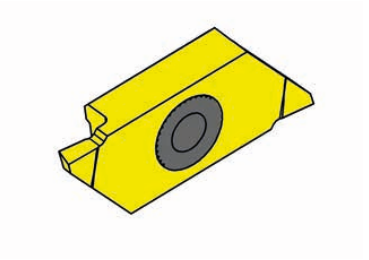
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

L

S274...E

.20





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L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

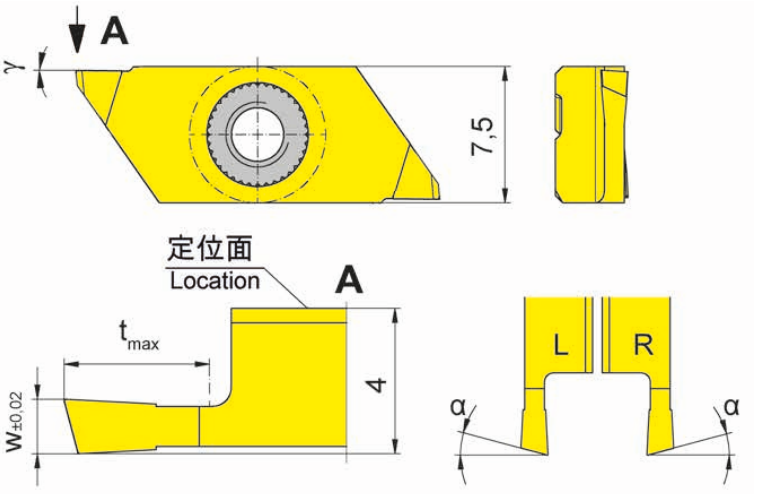
产品型号 Part number	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1515.04.2L.E	1.5	4	15°	5°	274140R	Δ	Δ
RS274.1520.06.2L.E	2	6	15°	5°	274140R	Δ	Δ
LS274.1515.04.2R.E	1.5	4	15°	5°	274140L	Δ	Δ
LS274.1520.06.2R.E	2	6	15°	5°	274140L	Δ	Δ

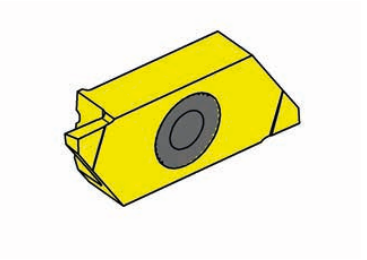
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

L

.M0





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L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

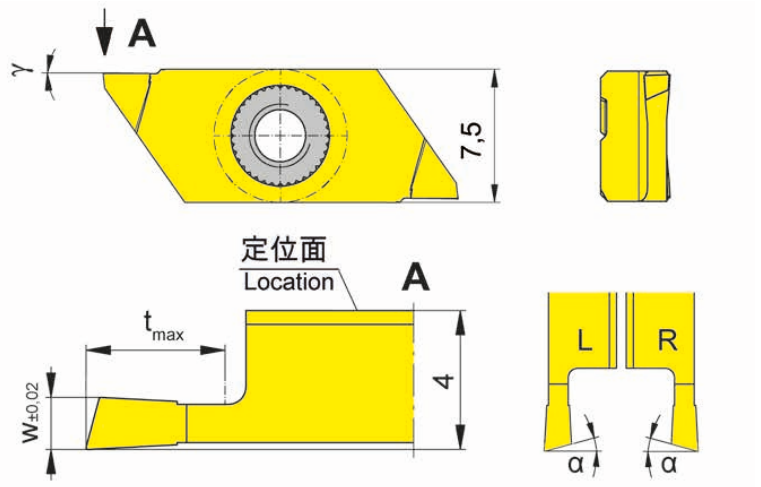
产品型号 Part number	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1508.03.M0.E	0.8	3	15°	0°	274140R	Δ	Δ
RS274.1510.03.M0.E	1	3	15°	0°	274140R	Δ	Δ
RS274.1515.04.M0.E	1.5	4	15°	0°	274140R	Δ	Δ
RS274.1520.06.M0.E	2	6	15°	0°	274140R	Δ	Δ
LS274.1508.03.M0.E	0.8	3	15°	0°	274140L	Δ	Δ
LS274.1510.03.M0.E	1	3	15°	0°	274140L	Δ	Δ
LS274.1515.04.M0.E	1.5	4	15°	0°	274140L	Δ	Δ
LS274.1520.06.M0.E	2	6	15°	0°	274140L	Δ	Δ

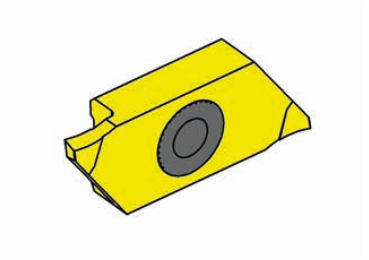
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

L

.M0





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R = right hand version shown

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L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

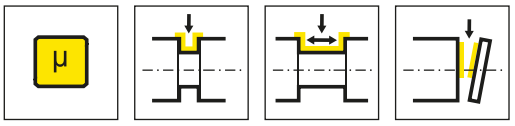
产品型号 Part number	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1508.03.ML.E	0.8	3	15°	0°	274140R		Δ
RS274.1510.03.ML.E	1	3	15°	0°	274140R		Δ
RS274.1515.04.ML.E	1.5	4	15°	0°	274140R		Δ
RS274.1520.06.ML.E	2	6	15°	0°	274140R		Δ
LS274.1508.03.MR.E	0.8	3	15°	0°	274140L	Δ	
LS274.1510.03.MR.E	1	3	15°	0°	274140L	Δ	Δ
LS274.1515.04.MR.E	1.5	4	15°	0°	274140L		Δ
LS274.1520.06.MR.E	2	6	15°	0°	274140L	Δ	Δ

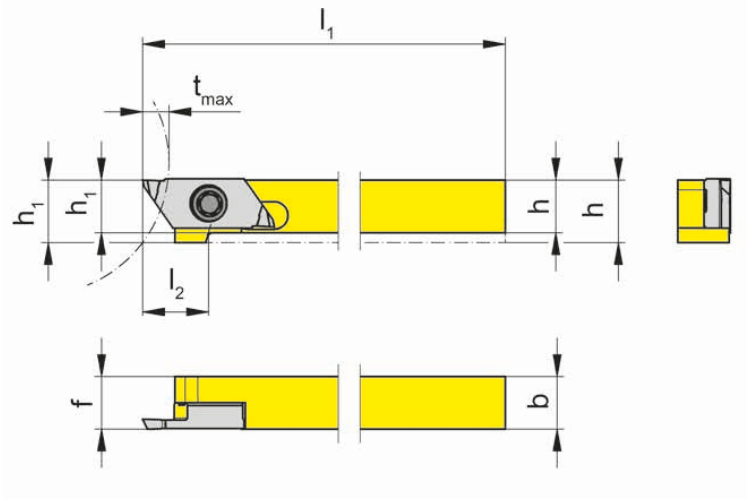
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

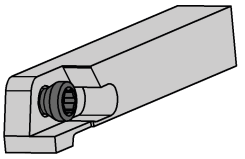
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

L

H274...SF







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L = left hand version

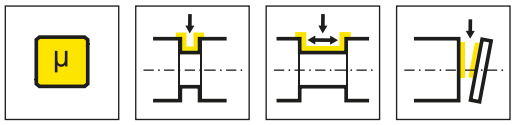
产品型号 Part number	h	b	l_1	l_2	h_1	f	t_{max}	HWS
RH274.0808.SF.04	8	8	100	10	9.5	8	6	274040R
RH274.1010.SF.04	10	10	100	-	10	10	6	274040R
RH274.1212.SF.04	12	12	100	-	12	12	6	274040R

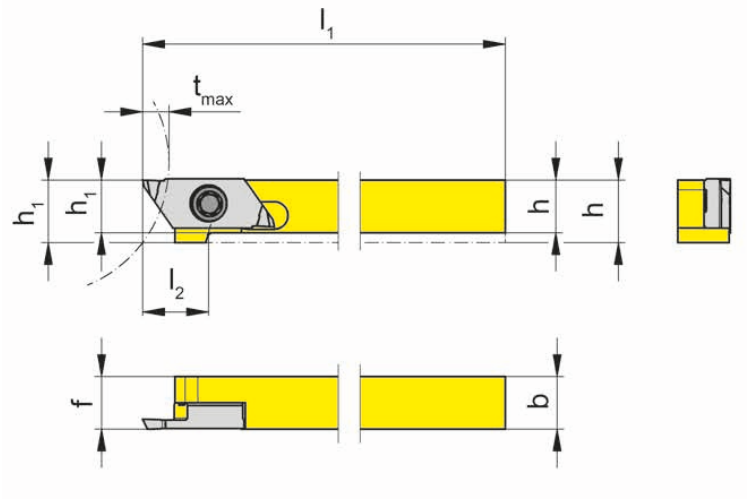
刀柄尺寸为 8 x 8 mm时，刀柄头部偏置。
For shank dimension 8 x 8 mm toolholder with offsett at the head.

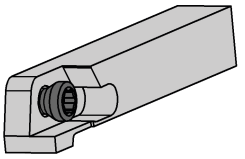
L

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
RH274...	**030.350P.0852**	**T15PQ**







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L = left hand version

产品型号 Part number	h	b	l_1	l_2	h_1	f	t_{max}	HWS
RH274.0808.SF.S4	8	8	100	10	9.5	8	6	274040R
RH274.1010.SF.S4	10	10	100	-	10	10	6	274040R
RH274.1212.SF.S4	12	12	100	-	12	12	6	274040R

刀杆材质：钨基合金－良好的抗振性能
Material of shank: tungsten alloy (giving good vibration resistance)

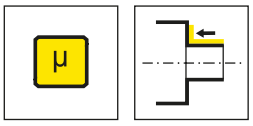
刀柄尺寸为 8 x 8 mm时，刀柄头部偏置。
For shank dimension 8 x 8 mm toolholder with offsett at the head.

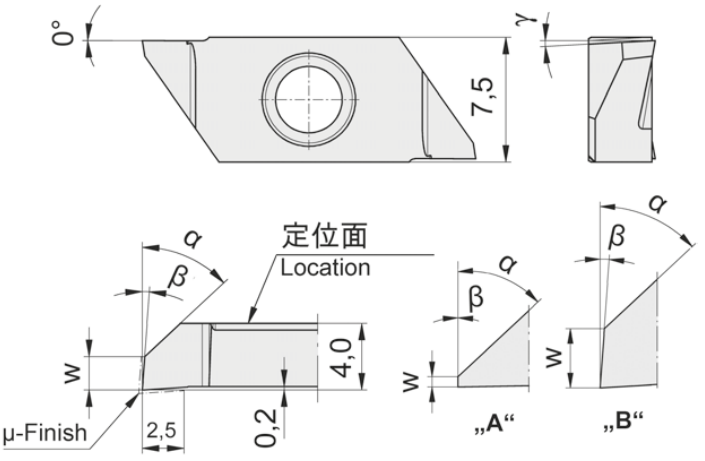
配件
Spare Parts

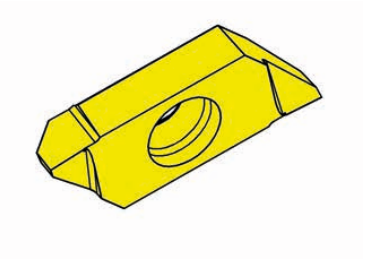
刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
RH274...	**030.350P.0852**	**T15PQ**

可转位刀片
Indexable insert

S274...SF







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L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

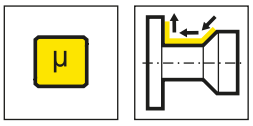
Δ 4周
4 weeks

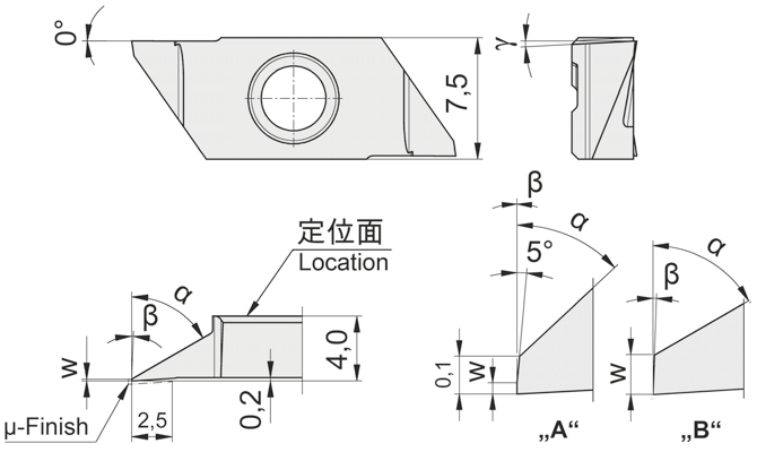
产品型号 Part number	w	γ	α	形式 Form	β	HIS		MG12	AC25	AC2P	ES15	ES1P
RS274.0547.04.SF	0.05	0°	47°	A	0°	274040R			Δ		▲	Δ
RS274.2047.03.SF	0.05	0°	47°	A	0°	274040R					▲	Δ
LS274.2047.03.SF	0.05	0°	47°	A	0°	274040L		Δ		Δ	Δ	Δ
							P	o	●	●	●	●
							M	-	o	o	●	●
							K	-	-	-	o	o
							N	-	-	-	-	-
							S	-	-	-	-	-
							H	-	-	-	-	-

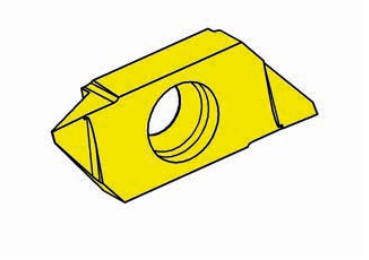
L

可转位刀片
Indexable insert

S274...SF







R=右手型-如图
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硬质合金牌号
Carbide grades

▲ 库存
on stock

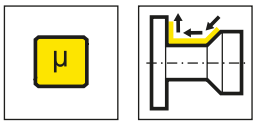
Δ 4周
4 weeks

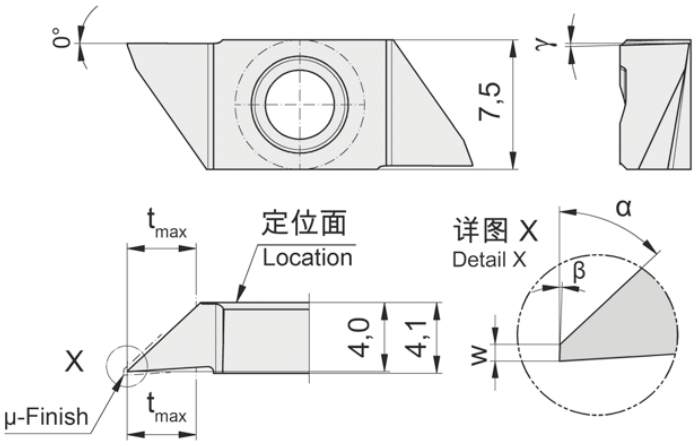
产品型号 Part number	w	γ	α	形式 Form	β	HIS
RS274.0147.04.SF	0,03	0°	47°	A	0°	274040R
RS274.0160.03.SF	0,105	3°	60°	B	2°	274040R
LS274.0160.03.SF	0.105	3°	60°	B	2°	274040L

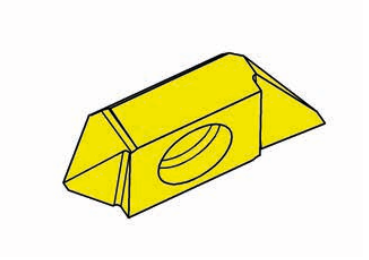
	MG12	AC25	AC2P	ES15	ES1P
		Δ	Δ	Δ	Δ
	Δ	Δ	Δ	Δ	Δ
		Δ	Δ	Δ	Δ
P	o	●	●	●	●
M	-	o	o	●	●
K	-	-	-	o	o
N	-	-	-	-	-
S	-	-	-	-	-
H	-	-	-	-	-

L

可转位刀片
Indexable insert





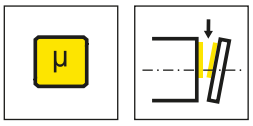


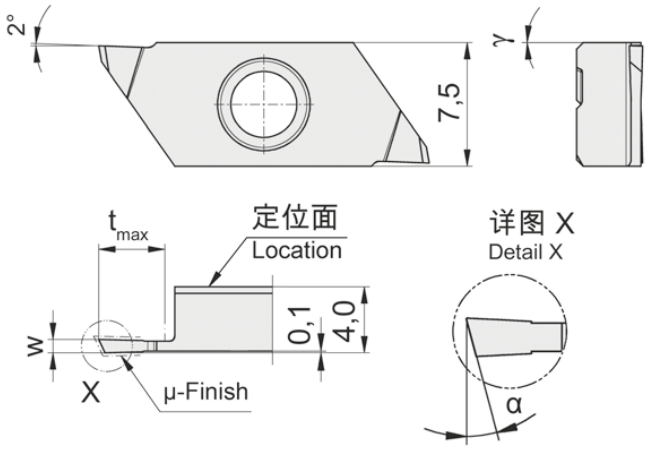
R=右手型-如图
R = right hand version shown

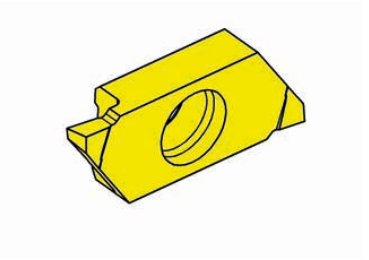
Bestellnummer Part number	w	t_{max}	γ	α	β	HIS
RS274.0247.04.SF	0,025	4	1,5°	47°	2°	274040R

	AC25	ES15	ES1P
	Δ	▲	Δ
P	●	●	●
M	o	●	●
K	-	o	o
N	-	-	-
S	-	-	-
H	-	-	-

L







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

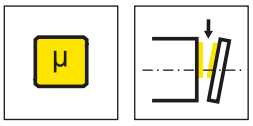
产品型号 Part number	w	t_{max}	α	γ	HIS		MG12	AC25	AC2P	ES15	ES1P
RS274.2508.04.SF	0.8	4	25°	0°	274040R		Δ		Δ	Δ	Δ
RS274.2509.04.SF	0.9	4	25°	0°	274040R				Δ	Δ	Δ
RS274.2510.04.SF	1	4	25°	0°	274040R					▲	Δ
RS274.2510.06.SF	1	6	25°	0°	274040R				Δ	Δ	Δ
RS274.2512.06.SF	1.2	6	25°	0°	274040R			Δ	Δ	Δ	Δ
RS274.2515.06.SF	1.5	6	25°	0°	274040R			Δ	Δ	Δ	Δ
LS274.2508.04.SF	0.8	4	25°	0°	274040L		Δ			Δ	Δ
						P	o	●	●	●	●
						M	-	o	o	●	●
						K	-	-	-	o	o
						N	-	-	-	-	-
						S	-	-	-	-	-
						H	-	-	-	-	-

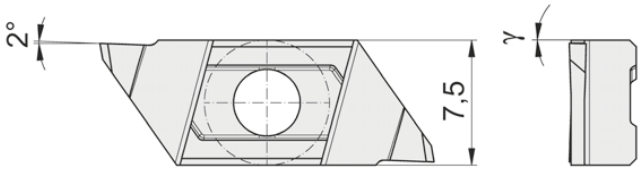
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

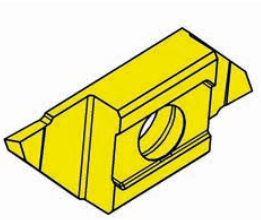
L

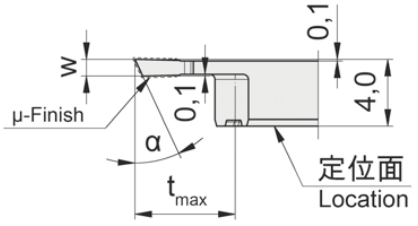
可转位刀片
Indexable insert

S274









L=左手型-如图
L = left hand version shown

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

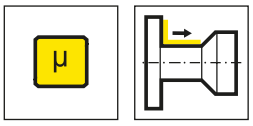
产品型号 Part number	w	t_{max}	α	γ	HIS	AC25	AC2P	ES15	ES1P
LS274.2508.04.SF.R	0.8	4	25°	0°	274040L		Δ	Δ	Δ
LS274.2509.04.SF.R	0.9	4	25°	0°	274040L	Δ	Δ	Δ	Δ
LS274.2510.06.SF.R	1	6	25°	0°	274040L	Δ	Δ	Δ	Δ
LS274.2512.06.SF.R	1.2	6	25°	0°	274040L	Δ		Δ	Δ
LS274.2515.06.SF.R	1.5	6	25°	0°	274040L	Δ	Δ	▲	Δ
						P	●	●	●	●
						M	o	o	●	●
						K	-	-	o	o
						N	-	-	-	-
						S	-	-	-	-
						H	-	-	-	-

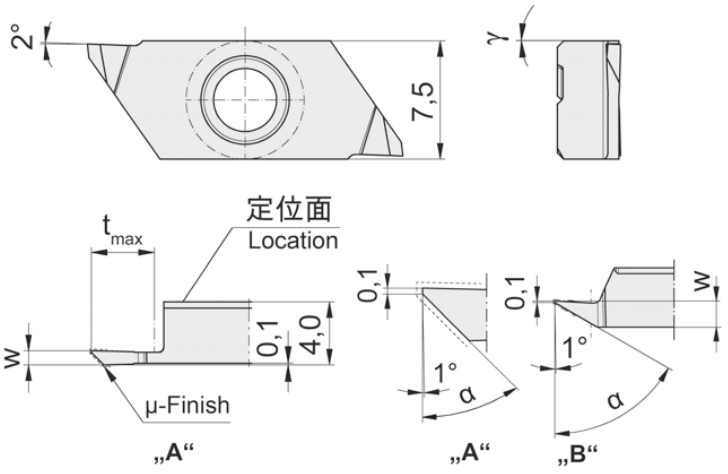
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

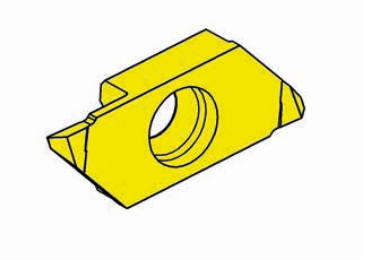
L

可转位刀片
Indexable insert

S274...SF







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	t_{max}	α	γ	形式 Form	HIS	MG12	AC25	AC2P	ES15	ES1P
RS274.4508.04.SF	0.8	4	45°	0°	A	274040R			Δ	Δ	Δ
RS274.4509.04.SF	0.9	4	45°	0°	A	274040R			Δ	▲	Δ
RS274.4510.06.SF	1	6	45°	0°	A	274040R			Δ	▲	Δ
RS274.4512.06.SF	1.2	6	45°	0°	A	274040R				Δ	Δ
RS274.6015.02.SF	1.8	2.5	60°	0°	B	274040R		Δ	Δ	▲	Δ
RS274.7010.02.SF	1.2	2.5	70°	0°	B	274040R			Δ	Δ	Δ
LS274.4509.04.SF	0.9	4	45°	0°	A	274040L	Δ	Δ		Δ	Δ

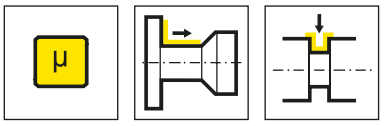
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

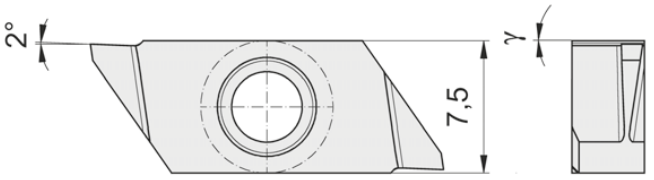
	MG12	AC25	AC2P	ES15	ES1P
P	o	●	●	●	●
M	-	o	o	●	●
K	-	-	-	o	o
N	-	-	-	-	-
S	-	-	-	-	-
H	-	-	-	-	-

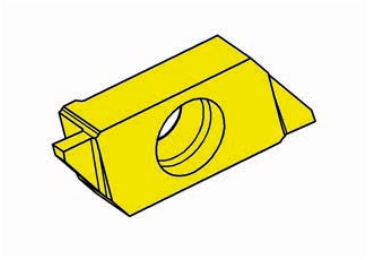
L

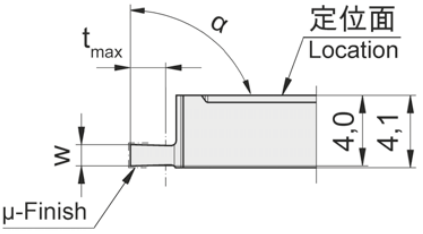
可转位刀片
Indexable insert

S274...SF









R=右手型-如图
R = right hand version shown

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	t_{max}	γ	HIS	AC25	AC2P	ES15	ES1P
RS274.0005.01.SF	0.5	1	0°	274040R			▲	Δ
RS274.0010.02.SF	1	2	0°	274040R			▲	Δ
RS274.0012.02.SF	1.2	2	0°	274040R		Δ	Δ	Δ
RS274.0015.03.SF	1.5	3	0°	274040R	Δ		Δ	Δ
RS274.0020.03.SF	2	3	0°	274040R	Δ	Δ	Δ	Δ
					P	●	●	●	●
					M	o	o	●	●
					K	-	-	o	o
					N	-	-	-	-
					S	-	-	-	-
					H	-	-	-	-

L

S32T

刀杆和刀片

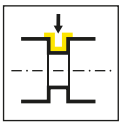
Toolholder and Inserts

切槽和切断
Grooving and Parting Off

槽型及进给
Geometries and feed rates

页/Page
363

刀杆
Toolholder
H32T



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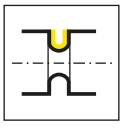
364

可转位刀片
Indexable insert
S32T

页/Page
365-366



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页/Page
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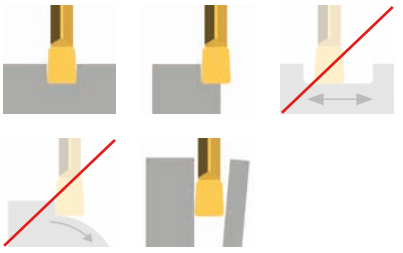
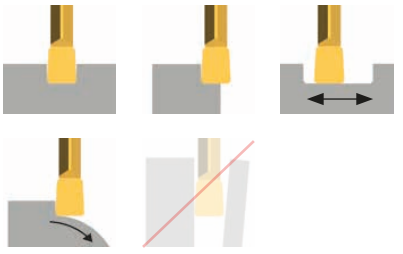
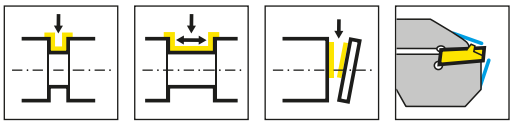
页/Page
369

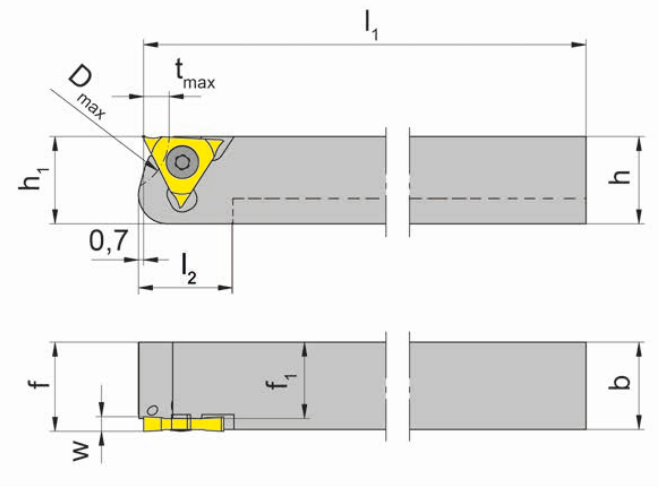
槽型及进给
Geometries and feed rates

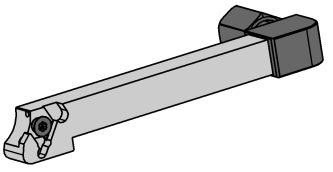
槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.10	P M K N S H	↓ 0.05-0.15	
.P	P M K N S H	↓ 0.02-0.08 ↔ 0.02-0.04	

刀杆
Toolholder

H32T







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	D_{max}	t_{max}	HWS
RH32T.0808.6.10.IK	8	8	100	13	8	6.5	f_1+s_1	15.5	3.5	32T01N • 32T01R
RH32T.0808.6.20.IK	8	8	100	13	8	6	f_1+s_1	15.5	3.5	32T02N • 32T02R
RH32T.1010.6.10.IK	10	10	100	-	10	8.5	f_1+s_1	15.5	3.5	32T01N • 32T01R
RH32T.1010.6.20.IK	10	10	100	-	10	8	f_1+s_1	15.5	3.5	32T02N • 32T02R
RH32T.1212.6.10.IK	12	12	100	-	12	10.5	f_1+s_1	15.5	3.5	32T01N • 32T01R
RH32T.1212.6.20.IK	12	12	100	-	12	10	f_1+s_1	15.5	3.5	32T02N • 32T02R
RH32T.1616.6.10.IK	16	16	125	-	16	14.5	f_1+s_1	15.5	3.5	32T01N • 32T01R
RH32T.1616.6.20.IK	16	16	125	-	16	14	f_1+s_1	15.5	3.5	32T02N • 32T02R
LH32T.0808.6.10.IK	8	8	100	13	8	6.5	f_1+s_1	15.5	3.5	32T01N • 32T01L
LH32T.0808.6.20.IK	8	8	100	13	8	6	f_1+s_1	15.5	3.5	32T02N • 32T02L
LH32T.1010.6.10.IK	10	10	100	-	10	8.5	f_1+s_1	15.5	3.5	32T01N • 32T01L
LH32T.1010.6.20.IK	10	10	100	-	10	8	f_1+s_1	15.5	3.5	32T02N • 32T02L
LH32T.1212.6.10.IK	12	12	100	-	12	10.5	f_1+s_1	15.5	3.5	32T01N • 32T01L
LH32T.1212.6.20.IK	12	12	100	-	12	10	f_1+s_1	15.5	3.5	32T02N • 32T02L
LH32T.1616.6.10.IK	16	16	125	-	16	14.5	f_1+s_1	15.5	3.5	32T01N • 32T01L
LH32T.1616.6.20.IK	16	16	125	-	16	14	f_1+s_1	15.5	3.5	32T02N • 32T02L

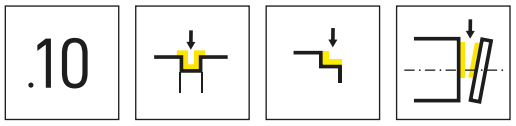
w,s1见刀片
w, s1 see indexable inserts

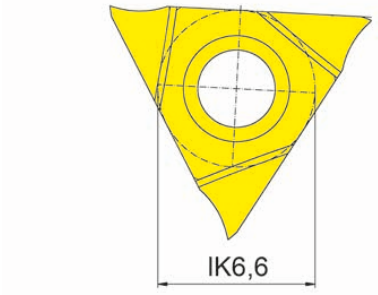
刀柄尺寸为 8 x 8 mm时，刀柄头部偏置。
For shank dimension 8 x 8 mm toolholder with offsett at the head.

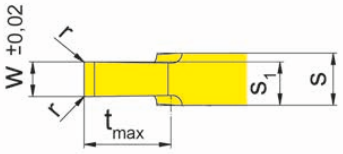
配件
Spare Parts

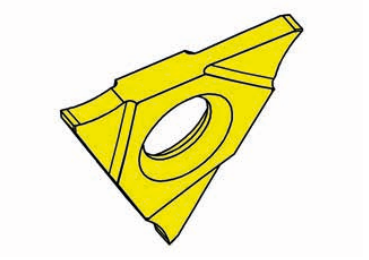
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench	冷却液供应 Coolant supply	螺钉 Screw Plug
R/LH32T.0808.6...	**030.2507.T7P**	**T7PL**		
R/LH32T....	**030.2507.T7P**	**T7PL**	**004.00.22**	
R/LH32T.1616.6...	**030.2507.T7P**	**T7PL**	**004.00.16**	**18.908**

S32T









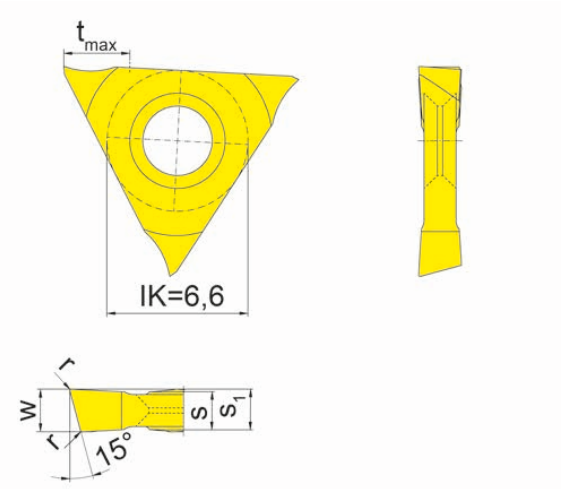
硬质合金牌号
Carbide grades

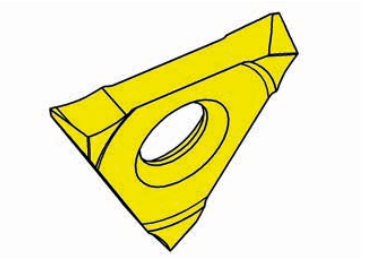
▲ 库存 on stock　　Δ 4周 4 weeks

产品型号 Part number	w	r	s	s_1	t_{max}	HIS	EG35	EG55
S32T.0050.00	0.5	0.05	1.5	1	1.5	32T01N	▲	
S32T.0070.00	0.7	0.05	1.5	1.1	2	32T01N	▲	
S32T.0080.00	0.8	0.05	1.5	1.15	2.5	32T01N	▲	
S32T.0100.00	1	0.05	1.5	1.25	2.5	32T01N		▲
S32T.0120.00	1.2	0.05	1.5	1.35	2.5	32T01N		▲
S32T.0150.00	1.5	0.05	1.5	1.5	2.5	32T01N		▲
S32T.0200.00	2	0.05	1.5	1.75	3.5	32T01N		▲
S32T.0250.00	2.5	0.05	2	2.25	3.5	32T02N		▲

P	●	●
M	●	o
K	o	o
N	-	-
S	-	-
H	-	-

.10





R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

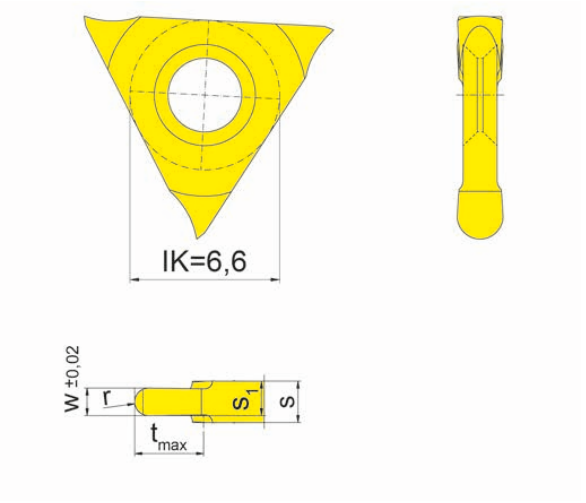
▲ 库存
on stock

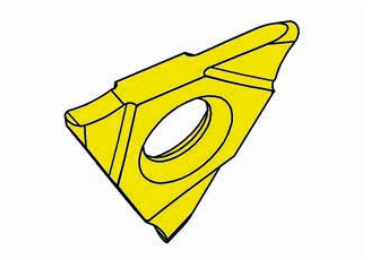
Δ 4周
4 weeks

产品型号 Part number	w	r	s	s_1	t_{max}	HIS	EG55
RS32T.1520.10	2	0.05	1.5	1.75	3.5	32T01N	▲
LS32T.1520.10	2	0.05	1.5	1.75	3.5	32T01N	▲

P	●
M	o
K	o
N	-
S	-
H	-

S32T





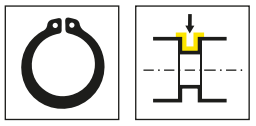
硬质合金牌号
Carbide grades

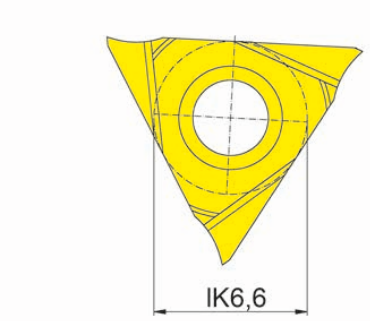
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	s	s_1	t_{max}	r	HIS		EG35	EG55
S32T.0050.25	0.5	1.5	1	1.5	0.25	32T01N		▲	
S32T.0100.50	1	1.5	1.25	2.5	0.5	32T01N			▲
S32T.0200.10	2	1.5	1.75	3.5	1	32T01N			▲
							P	●	●
							M	●	o
							K	o	o
							N	-	-
							S	-	-
							H	-	-

S32T





硬质合金牌号
Carbide grades

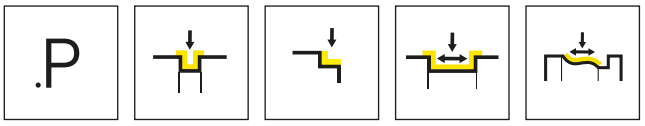
▲ 库存
on stock

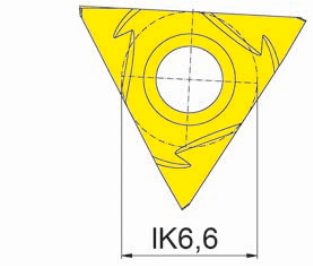
Δ 4周
4 weeks

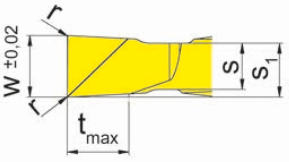
产品型号 Part number	w	Nw	s	s_1	t_{max}	HIS		EG35	EG55
S32T.0034.01.00	0.41	0.34	1.5	0.94	0.6	32T01N		Δ	
S32T.0044.01.00	0.51	0.44	1.5	0.99	0.7	32T01N		Δ	
S32T.0050.01.00	0.57	0.5	1.5	1.02	0.7	32T01N		▲	
S32T.0060.01.00	0.67	0.6	1.5	1.07	0.8	32T01N		▲	
S32T.0070.01.00	0.77	0.7	1.5	1.12	1.1	32T01N		▲	
S32T.0080.01.00	0.87	0.8	1.5	1.17	1.2	32T01N		▲	
S32T.0090.01.00	0.97	0.9	1.5	1.22	1.4	32T01N		▲	
S32T.0100.01.00	1.07	1	1.5	1.27	1.6	32T01N			▲
S32T.0110.01.00	1.24	1.1	1.5	1.36	1.6	32T01N			▲
S32T.0130.01.00	1.44	1.3	1.5	1.46	2	32T01N			▲
S32T.0160.01.00	1.74	1.6	1.5	1.61	3	32T01N			▲
S32T.0185.01.00	1.99	1.85	1.5	1.73	3	32T01N			▲
S32T.0215.01.00	2.29	2.15	2	2.13	3	32T02N			▲
							P	●	●
							M	●	o
							K	o	o
							N	-	-
							S	-	-
							H	-	-

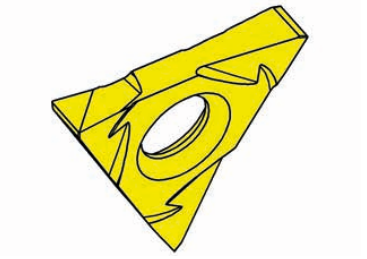
可转位刀片
Indexable insert

S32T









R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

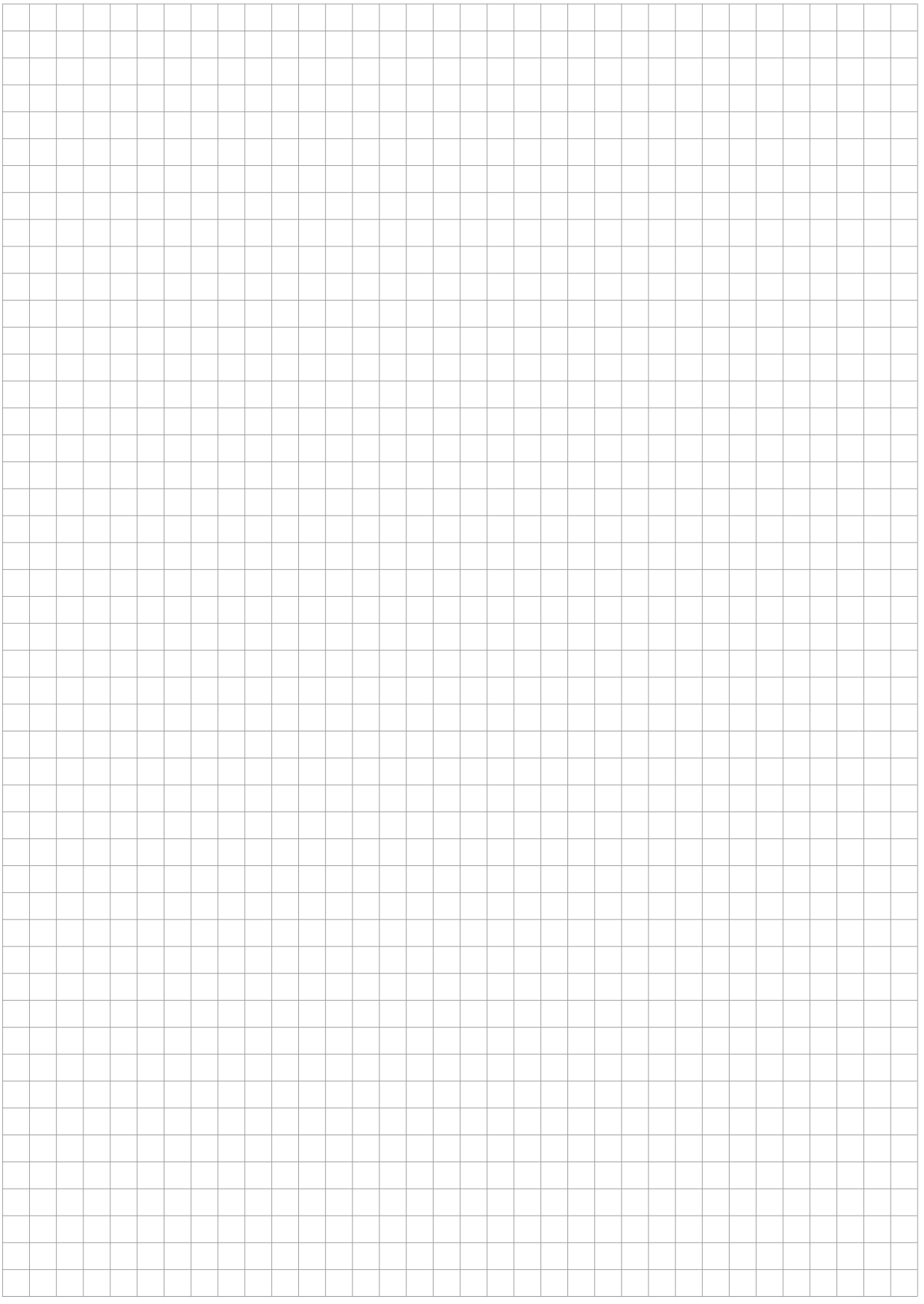
硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	s	s_1	t_{max}	HIS	EG55
RS32T.0150.P0	1.5	0.05	1.5	1.7	2	32T01R	▲
RS32T.0200.P0	2	0.05	1.5	1.75	2	32T01R	▲
RS32T.0250.P0	2.5	0.1	2	2.25	2	32T02R	▲
LS32T.0150.P0	1.5	0.05	1.5	1.7	2	32T01L	▲
LS32T.0200.P0	2	0.05	1.5	1.75	2	32T01L	▲
LS32T.0250.P0	2.5	0.1	2	2.25	2	32T02L	▲

P	●
M	o
K	o
N	-
S	-
H	-



S34T

刀杆和刀片

槽宽2 - 5 mm

Toolholder and Inserts

Width of groove 2 - 5 mm

切槽和切断
Grooving and Parting Off

槽型及进给
Geometries and feed rates

页/Page
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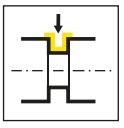
刀杆
Toolholder
H34T



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374-376

可转位刀片
Indexable insert
S34T

.3

页/Page
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.D

页/Page
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.S

页/Page
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刀片
Insert
S34T

.FB

页/Page
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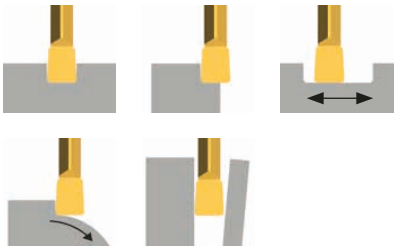
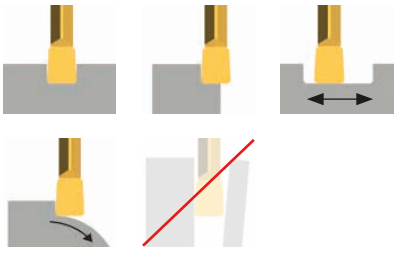
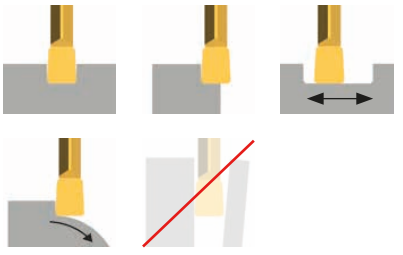
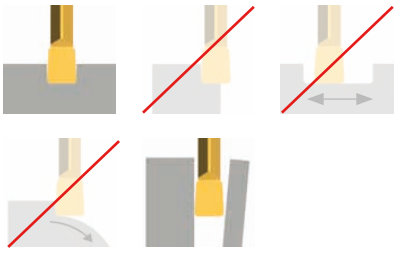
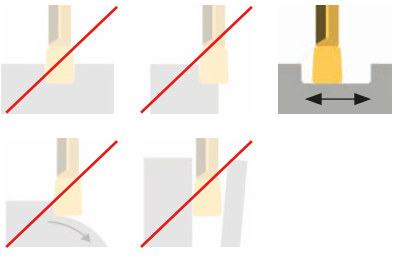
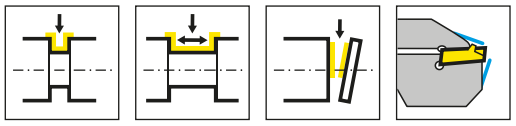
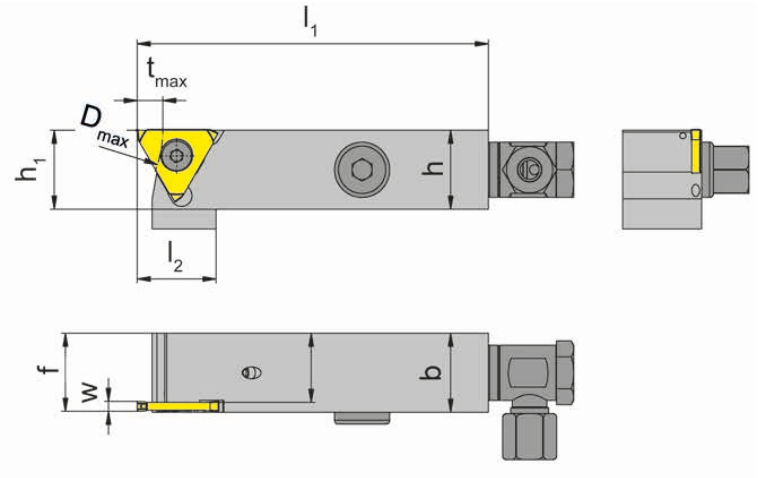
槽型及进给
Geometries and feed rates

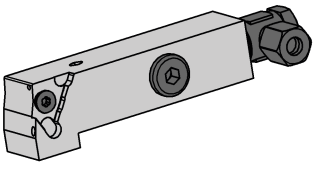
槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.3	P M K N S H	↓ 0.15-0.25 ↔ 0.15-0.40	
.5	P M K N S H	↓ 0.10-0.45 ↔ 0.15-0.60	
.D	P M K N S H	↓ 0.03-0.15 ↔ 0.05-0.20	
.S	P M K N S H	↓ 0.02-0.08	
.FB	P M K N S H	↓ 0.02-0.10 ↔ 0.0015-0.07	

刀杆
Toolholder

H34T







产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	D_{max}	t_{max}	HWS
RH34T.1212.6.00.IK	12	12	74	20	21	11.2	f_1+w-a_1	60	6.5	34T00R
RH34T.1616.6.00.IK	16	16	74	20	21	15.2	f_1+w-a_1	60	6.5	34T00R
RH34T.2020.4.00.IK	20	20	89	20	20	19.1	f_1+w-a_1	60	6.5	34T00R
RH34T.2020.6.00.IK	20	20	89	20	25	19.2	f_1+w-a_1	60	6.5	34T00R
LH34T.1212.6.00.IK	12	12	74	20	21	11.2	f_1+w-a_1	60	6.5	34T00L
LH34T.1616.6.00.IK	16	16	74	20	21	15.2	f_1+w-a_1	60	6.5	34T00L
LH34T.2020.4.00.IK	20	20	89	20	20	19.1	f_1+w-a_1	60	6.5	34T00L
LH34T.2020.6.00.IK	20	20	89	20	25	19.2	f_1+w-a_1	60	6.5	34T00L

注意事项：
...6.00.IK = 通过螺纹孔提供内冷
...4.00.IK = 通过VDI腰型孔提供内冷

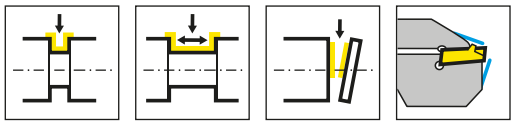
Note:
...6.00.IK = Coolant through coolant supply
...4.00.IK = Coolant through slotted hole VDI

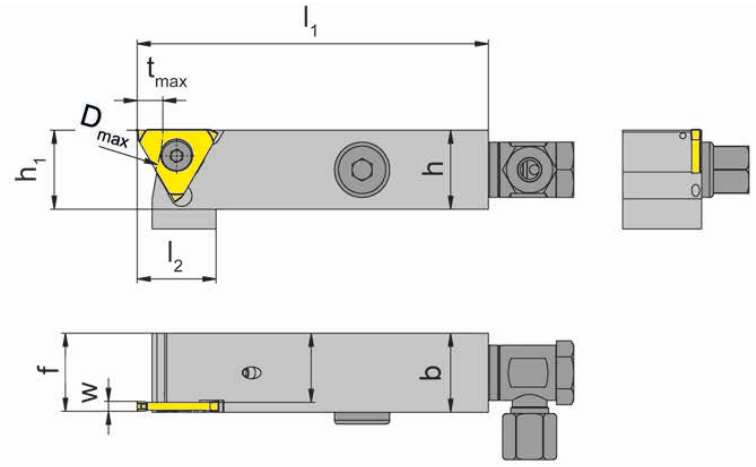
配件
Spare Parts

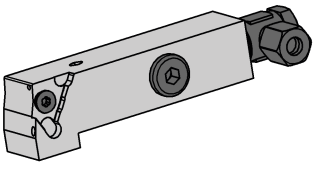
刀杆 Toolholder	冷却液供应 Coolant supply	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench	螺钉 Screw Plug
R/LH34T.1212.6.00.IK	**004.00.22**	**030.4093.T15P**	**T15PQ**	
R/LH34T...	**004.00.16**	**030.4093.T15P**	**T15PQ**	**004.00.26**
R/LH34T.2020.4.00.IK		**030.4093.T15P**	**T15PQ**	

刀杆
Toolholder

H34T







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	D_{max}	t_{max}	HWS
RH34T.1212.6.10.IK	12	12	74	20	21	10.5	f_1+w-a_1	60	6.5	34T01N
RH34T.1212.6.20.IK	12	12	74	20	21	11.76	f_1+w-a_1	60	6.5	34T02N
RH34T.1212.6.30.IK	12	12	74	19	21	12.26	f_1+w-a_1	60	6.5	34T03N
RH34T.1616.6.10.IK	16	16	74	20	21	14.5	f_1+w-a_1	60	6.5	34T01N
RH34T.1616.6.20.IK	16	16	74	20	21	13.5	f_1+w-a_1	60	6.5	34T02N
RH34T.1616.6.30.IK	16	16	74	19	21	12.5	f_1+w-a_1	60	6.5	34T03N
RH34T.1616.6.40.IK	16	16	74	19	21	11.5	f_1+w-a_1	60	6.5	34T04N
RH34T.2020.6.10.IK	20	20	89	20	25	18.5	f_1+w-a_1	60	6.5	34T01N
RH34T.2020.6.20.IK	20	20	89	20	25	17.5	f_1+w-a_1	60	6.5	34T02N
RH34T.2020.6.30.IK	20	20	89	19	25	16.5	f_1+w-a_1	60	6.5	34T03N
RH34T.2020.6.40.IK	20	20	89	19	25	15.5	f_1+w-a_1	60	6.5	34T04N
LH34T.1212.6.10.IK	12	12	74	20	21	10.5	f_1+w-a_1	60	6.5	34T01N
LH34T.1212.6.20.IK	12	12	74	20	21	11.76	f_1+w-a_1	60	6.5	34T02N
LH34T.1212.6.30.IK	12	12	74	19	21	12.26	f_1+w-a_1	60	6.5	34T03N
LH34T.1616.6.10.IK	16	16	74	20	21	14.5	f_1+w-a_1	60	6.5	34T01N
LH34T.1616.6.20.IK	16	16	74	20	21	13.5	f_1+w-a_1	60	6.5	34T02N
LH34T.1616.6.30.IK	16	16	74	19	21	12.5	f_1+w-a_1	60	6.5	34T03N
LH34T.1616.6.40.IK	16	16	74	19	21	11.5	f_1+w-a_1	60	6.5	34T04N
LH34T.2020.6.10.IK	20	20	89	20	25	18.5	f_1+w-a_1	60	6.5	34T01N
LH34T.2020.6.20.IK	20	20	89	20	25	17.5	f_1+w-a_1	60	6.5	34T02N
LH34T.2020.6.30.IK	20	20	89	19	25	16.5	f_1+w-a_1	60	6.5	34T03N
LH34T.2020.6.40.IK	20	20	89	19	25	15.5	f_1+w-a_1	60	6.5	34T04N

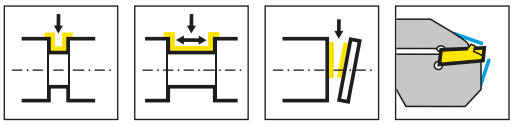
w见刀片
w see indexable inserts

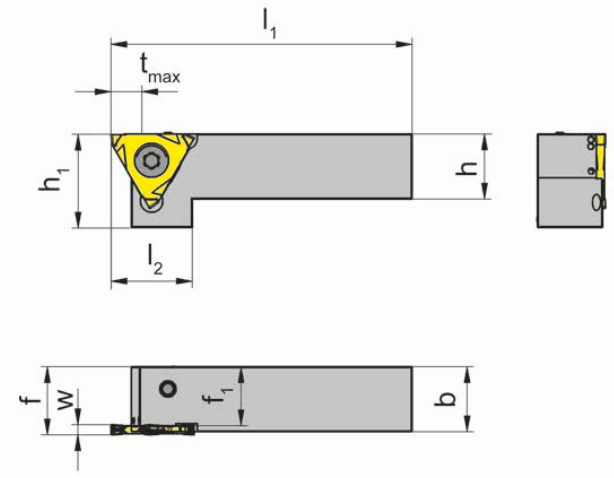
配件
Spare Parts

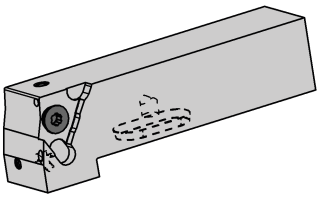
刀杆 Toolholder	冷却液供应 Coolant supply	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench	螺钉 Screw Plug
R/LH34T.1212.6.10.IK	**004.00.22**	**030.4093.T15P**	**T15PQ**	
R/LH34T.1212.6.20.IK	**004.00.22**	**030.4010.T15P**	**T15PQ**	
R/LH34T.1212.6.30.IK	**004.00.22**	**030.5012.T15P**	**T15PQ**	
R/LH34T...10/...20.IK	**004.00.16**	**030.4093.T15P**	**T15PQ**	**004.00.26**
R/LH34T.1616.6.20.IK	**004.00.16**	**030.4010.T15P**	**T15PQ**	**004.00.26**
R/LH34T...30/...40.IK	**004.00.16**	**030.5012.T15P**	**T15PQ**	**004.00.26**

刀杆
Toolholder

H34T







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	D_{max}	t_{max}	HWS
RH34T.1616.4.10.IK	16	16	74	20	21	14.5	f_1+w-a_1	60	6.5	34T01N
RH34T.1616.4.20.IK	16	16	74	20	21	13.5	f_1+w-a_1	60	6.5	34T02N
RH34T.2020.4.10.IK	20	20	89	20	25	18.5	f_1+w-a_1	60	6.5	34T01N
RH34T.2020.4.20.IK	20	20	89	20	25	17.5	f_1+w-a_1	60	6.5	34T02N
RH34T.2020.4.30.IK	20	20	89	21	25	16.5	f_1+w-a_1	60	6.5	34T03N
RH34T.2020.4.40.IK	20	20	89	21	25	15.5	f_1+w-a_1	60	6.5	34T04N
RH34T.2525.4.10.IK	25	25	99	20	30	23.5	f_1+w-a_1	60	6.5	34T01N
RH34T.2525.4.20.IK	25	25	99	20	30	22.5	f_1+w-a_1	60	6.5	34T02N
RH34T.2525.4.30.IK	25	25	99	21	30	21.5	f_1+w-a_1	60	6.5	34T03N
RH34T.2525.4.40.IK	25	25	99	21	30	20.5	f_1+w-a_1	60	6.5	34T04N
LH34T.1616.4.10.IK	16	16	74	20	21	14.5	f_1+w-a_1	60	6.5	34T01N
LH34T.1616.4.20.IK	16	16	74	20	21	13.5	f_1+w-a_1	60	6.5	34T02N
LH34T.2020.4.00.IK	20	20	89	20	20	19.1	f_1+w-a_1	60	6.5	34T00L
LH34T.2020.4.10.IK	20	20	89	20	25	18.5	f_1+w-a_1	60	6.5	34T01N
LH34T.2020.4.20.IK	20	20	89	20	25	17.5	f_1+w-a_1	60	6.5	34T02N
LH34T.2020.4.30.IK	20	20	89	21	25	16.5	f_1+w-a_1	60	6.5	34T03N
LH34T.2020.4.40.IK	20	20	89	21	25	15.5	f_1+w-a_1	60	6.5	34T04N
LH34T.2525.4.10.IK	25	25	99	20	30	23.5	f_1+w-a_1	60	6.5	34T01N
LH34T.2525.4.20.IK	25	25	99	20	30	22.5	f_1+w-a_1	60	6.5	34T02N
LH34T.2525.4.30.IK	25	25	99	21	30	21.5	f_1+w-a_1	60	6.5	34T03N
LH34T.2525.4.40.IK	25	25	99	21	30	20.5	f_1+w-a_1	60	6.5	34T04N

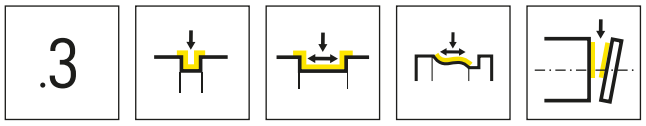
w见刀片
w see indexable inserts

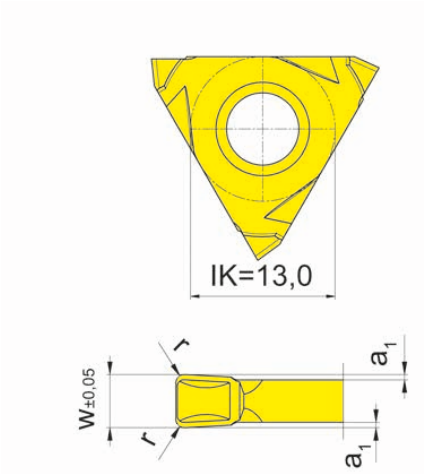
配件
Spare Parts

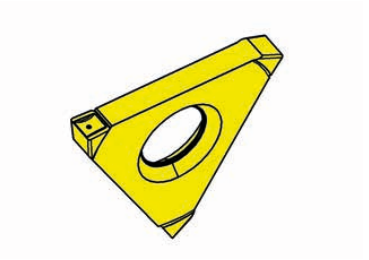
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH34T...	**030.4093.T15P**	**T15PQ**
R/LH34T...20.IK	**030.4010.T15P**	**T15PQ**
R/LH34T....30.IK	**030.5012.T15P**	**T15PQ**
R/LH34T...40.IK	**030.5012.T15P**	**T20PQ**

可转位刀片
Indexable insert

S34T







硬质合金牌号
Carbide grades

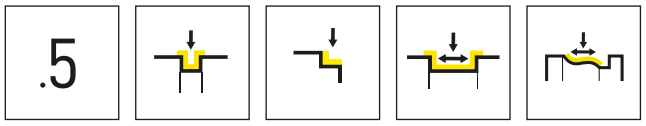
▲ 库存
on stock

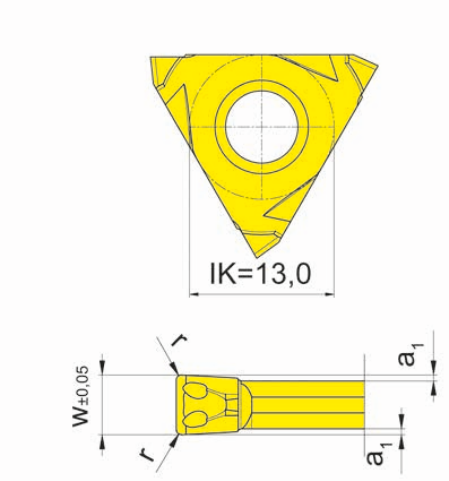
Δ 4周
4 weeks

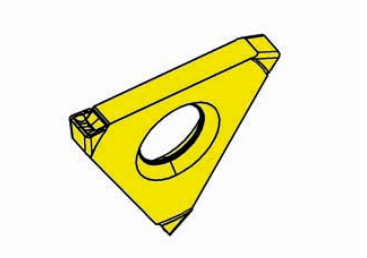
产品型号 Part number	w	r	a_1	HIS		AS45	EG55
S34T.0200.32	2	0.2	0.25	34T01N		▲	▲
S34T.0200.34	2	0.4	0.25	34T01N		▲	▲
S34T.0250.32	2.5	0.2	0.25	34T02N		Δ	▲
S34T.0250.34	2.5	0.4	0.25	34T02N		Δ	▲
S34T.0300.32	3	0.2	0.25	34T02N		Δ	▲
S34T.0300.34	3	0.4	0.25	34T02N		Δ	▲
S34T.0400.32	4	0.2	0.25	34T03N		▲	▲
S34T.0500.34	5	0.4	0.25	34T04N			▲
					P	●	●
					M	●	o
					K	●	o
					N	o	-
					S	●	-
					H	-	-

可转位刀片
Indexable insert

S34T







硬质合金牌号
Carbide grades

▲ 库存
on stock

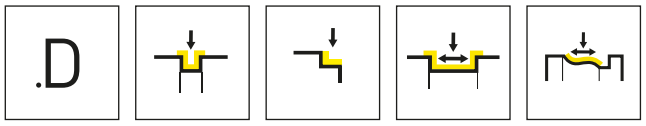
Δ 4周
4 weeks

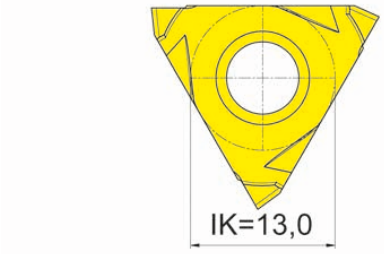
产品型号 Part number	w	r	a_1	HIS	AS45	EG55
S34T.0250.52	2.5	0.2	0.25	34T02N	▲	
S34T.0250.54	2.5	0.4	0.25	34T02N	▲	▲
S34T.0300.52	3	0.2	0.25	34T02N	Δ	▲
S34T.0300.54	3	0.4	0.25	34T02N	Δ	▲
S34T.0400.52	4	0.2	0.25	34T03N	▲	
S34T.0400.54	4	0.4	0.25	34T03N	▲	▲
S34T.0500.54	5	0.4	0.25	34T04N		

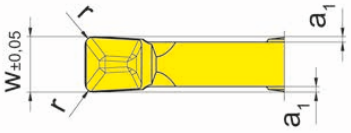
P	●	●
M	●	o
K	●	o
N	o	-
S	●	-
H	-	-

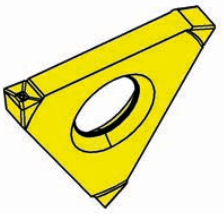
可转位刀片
Indexable insert

S34T









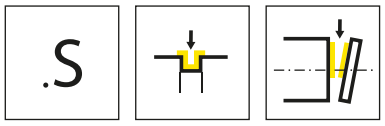
硬质合金牌号
Carbide grades

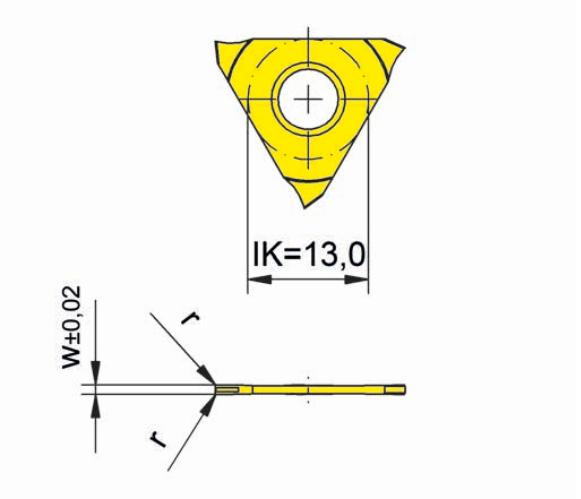
▲ 库存 on stock　　Δ 4周 4 weeks

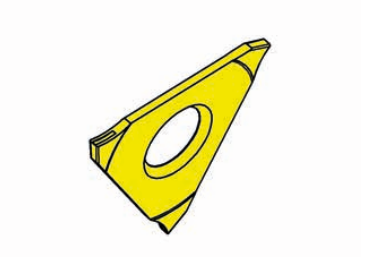
产品型号 Part number	w	r	a_1	HIS		AS45	EG55
S34T.0200.D2	2	0.2	0.25	34T01N		▲	▲
S34T.0200.D4	2	0.4	0.25	34T01N		Δ	Δ
S34T.0250.D2	2.5	0.2	0.25	34T02N		Δ	
S34T.0250.D4	2.5	0.4	0.25	34T02N		▲	▲
S34T.0300.D2	3	0.2	0.25	34T02N		Δ	▲
S34T.0300.D4	3	0.4	0.25	34T02N		Δ	
					P	●	●
					M	●	o
					K	●	o
					N	o	-
					S	●	-
					H	-	-

可转位刀片
Indexable insert

S34T







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

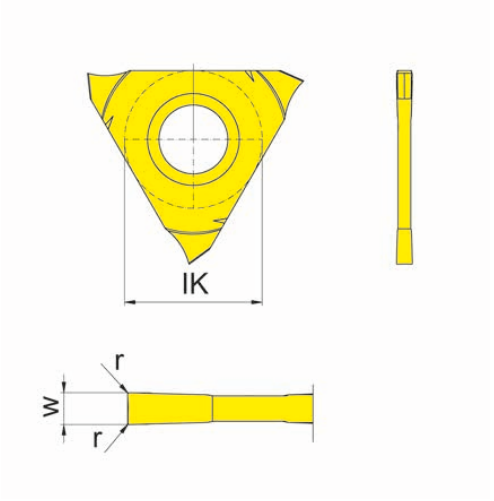
▲ 库存
on stock

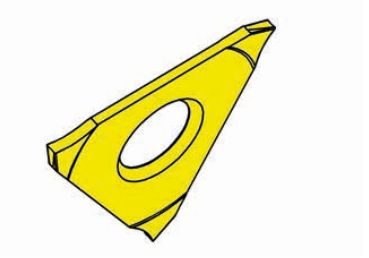
Δ 4周
4 weeks

产品型号 Part number	w	r	HIS	IG35
RS34T.0100.3S	1.03	0.15	34T00R	▲
LS34T.0100.3S	1.03	0.15	34T00L	▲

P	-
M	●
K	-
N	-
S	●
H	-

.FB





R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

▲ 库存
on stock

Δ 4周
4 weeks

硬质合金牌号
Carbide grades

产品型号 Part number	w	r	HIS	EG35
RS34T.FB10.01	1	0.1	34T00R	▲
RS34T.FB15.01	1.5	0.1	34T00R	▲
LS34T.FB10.01	1	0.1	34T00L	▲
LS34T.FB15.01	1.5	0.1	34T00L	▲

P	●
M	●
K	o
N	-
S	-
H	-

计算槽的最小可加工宽度 w_x
Calculation of the smallest possible width of groove w_x

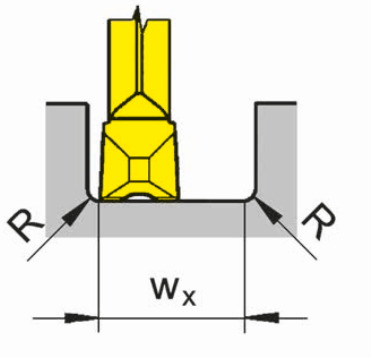
例如 RS34T.FB10.01
Example

w_x = 2 x 槽宽 w - 2 x 刀尖圆角 R

w_x = 2 x Width of insert w - 2 x Corner radius insert R

w_x = 2 x 1 mm - 2 x 0.1 mm

w_x = 1.8 mm



加工路径
Processing flow

312

刀杆和刀片

槽宽0.5 - 6.3 mm

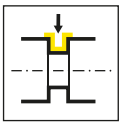
Toolholder and Inserts

Width of groove 0,5 - 6,3 mm

切槽和切断
Grooving and Parting Off

槽型及进给
Geometries and feed rates
页/Page 385-386

刀杆
Toolholder
360/361/368/369
390/391/309/340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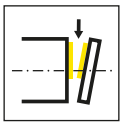
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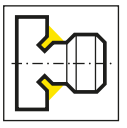
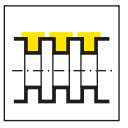

页/Page 402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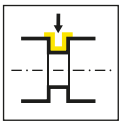
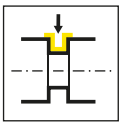
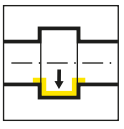
Graf刀夹
Cartridge Graf
64/65/99


页/Page 397-398

可调刀杆
Adjustable holder
N67/N68


页/Page 399

常规刀柄
Basic toolholder
330


页/Page 405

可转位刀片
Indexable insert
S312/312

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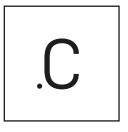
页/Page 407

页/Page 408



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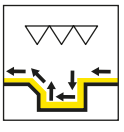
页/Page 410-414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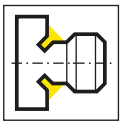
页/Page 416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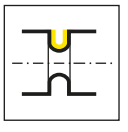
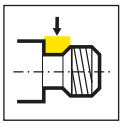
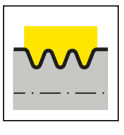

页/Page 419

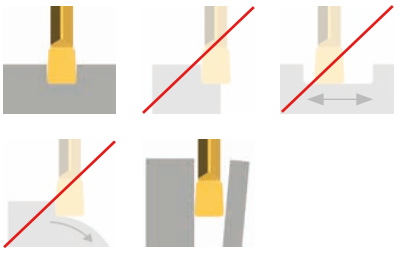
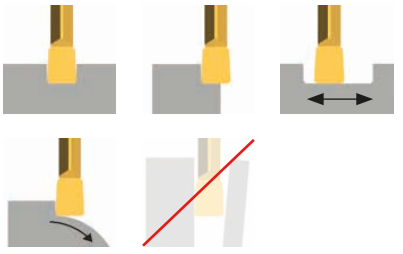
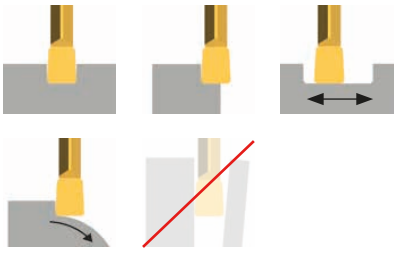
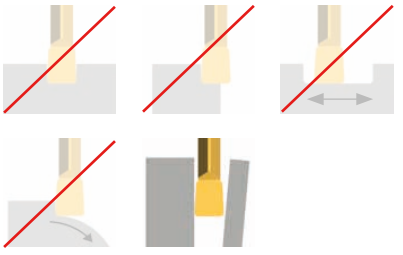
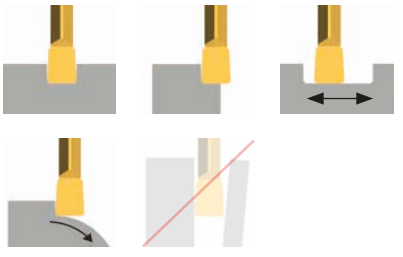

页/Page 420-421


页/Page 422

页/Page 423-424

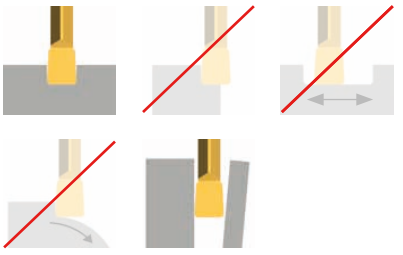
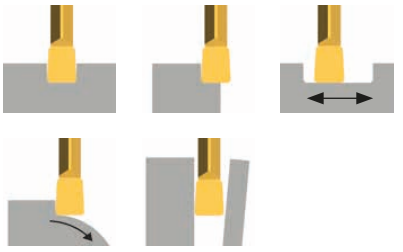
页/Page 425

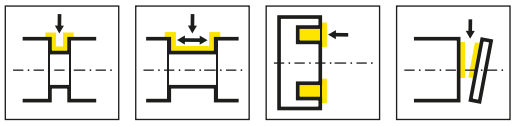
槽型及进给
Geometries and feed rates

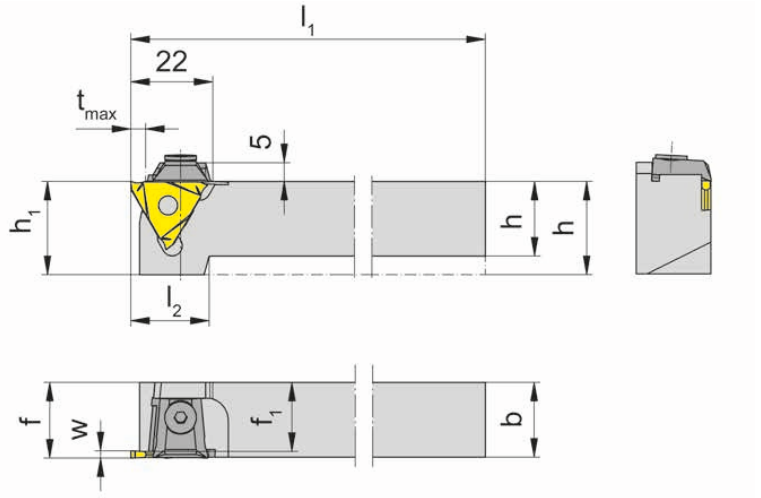
槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.F	P M K N S H	↓ 0.03-0.15	
.5	P M K N S H	↓ 0.10-0.45 ↔ 0.15-0.60	
.D	P M K N S H	↓ 0.03-0.15 ↔ 0.05-0.20	
.C	P M K N S H	↓ 0.02-0.10	
.P	P M K N S H	↓ 0.02-0.08 ↔ 0.02-0.04	

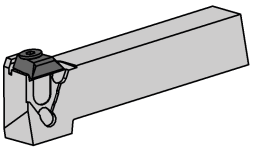
槽型及进给
Geometries and feed rates

O

槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.00	P M K N S H	↓ 0.02-0.12	
.M0	P M K N S H	↓ 0.02-0.10 ↔ 0.02-0.15	







R=右手型-如图
R = right hand version shown

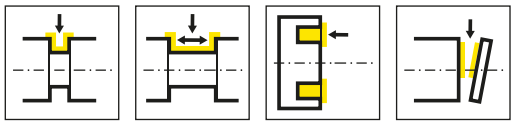
L=左手型
L = left hand version

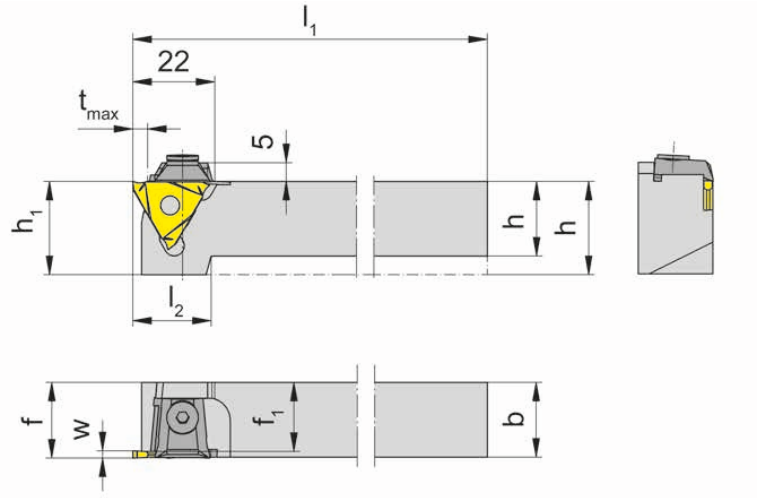
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R360.1212.01	12	12	100	24	25	10.5	f_1+w-a_1	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
R360.1212.02	12	12	100	24	25	9.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
R360.1616.01	16	16	125	22	25	14.5	f_1+w-a_1	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
R360.1616.02	16	16	125	22	25	13.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
R360.2020.01	20	20	125	21	25	18.5	f_1+w-a_1	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
R360.2020.02	20	20	125	21	25	17.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
R360.2525.01	25	25	150	-	25	23.5	f_1+w-a_1	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
R360.2525.02	25	25	150	-	25	22.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
R360.3232.01	32	32	170	-	32	30.5	f_1+w-a_1	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
R360.3232.02	32	32	170	-	32	29.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
L360.1212.01	12	12	100	24	25	10.5	f_1+w-a_1	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
L360.1212.02	12	12	100	24	25	9.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
L360.1616.01	16	16	125	22	25	14.5	f_1+w-a_1	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
L360.1616.02	16	16	125	22	25	13.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
L360.2020.01	20	20	125	21	25	18.5	f_1+w-a_1	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
L360.2020.02	20	20	125	21	25	17.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
L360.2525.01	25	25	150	-	25	23.5	f_1+w-a_1	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
L360.2525.02	25	25	150	-	25	22.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
L360.3232.01	32	32	170	-	32	30.5	f_1+w-a_1	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
L360.3232.02	32	32	170	-	32	29.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L

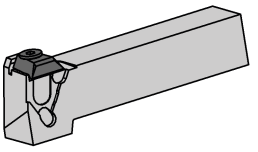
w,a1见刀片
w, a1 see indexable inserts

配件
Spare Parts

刀杆 Toolholder	压板 Clamping element
R/L360.1...	**11.3**
R/L360...	**16.4**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

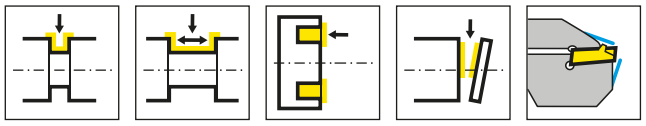
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R360.1212.03	12	12	100	24	25	8.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
R360.1616.04	16	16	125	22	25	10.8	f_1+w-a_1	6	3.9-6.3	31204N • 31204R • 31204L
R360.1616.03	16	16	125	22	25	12.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
R360.2020.04	20	20	125	21	25	14.8	f_1+w-a_1	6	3.9-6.3	31204N • 31204R • 31204L
R360.2020.03	20	20	125	21	25	16.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
R360.2525.04	25	25	150	-	25	19.8	f_1+w-a_1	6	3.9-6.3	31204N • 31204R • 31204L
R360.2525.03	25	25	150	-	25	21.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
R360.3232.04	32	32	170	-	32	26.8	f_1+w-a_1	6	3.9-6.3	31204N • 31204R • 31204L
R360.3232.03	32	32	170	-	32	28.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
L360.1212.03	12	12	100	24	25	8.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
L360.1616.04	16	16	125	22	25	10.8	f_1+w-a_1	6	3.9-6.3	31204N • 31204R • 31204L
L360.1616.03	16	16	125	22	25	12.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
L360.2020.04	20	20	125	21	25	14.8	f_1+w-a_1	6	3.9-6.3	31204N • 31204R • 31204L
L360.2020.03	20	20	125	21	25	16.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
L360.2525.04	25	25	150	-	25	19.8	f_1+w-a_1	6	3.9-6.3	31204N • 31204R • 31204L
L360.2525.03	25	25	150	-	25	21.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
L360.3232.04	32	32	170	-	32	26.8	f_1+w-a_1	6	3.9-6.3	31204N • 31204R • 31204L
L360.3232.03	32	32	170	-	32	28.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L

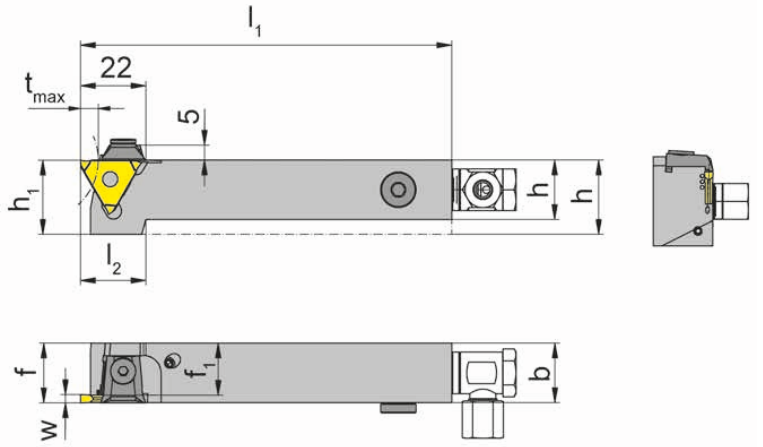
w,a1见刀片
w, a1 see indexable inserts

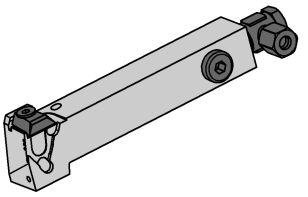
只有当工件直径Ø≤40mm时才能达到tmax
tmax can be reached only with workpiece Ø ≤ 40 mm

配件
Spare Parts

刀杆 Toolholder	压板 Clamping element
R/L360.1212.03/...1616.03	**11.3**
R/L360.1616.04	**13.4**
R/L360...	**16.4**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

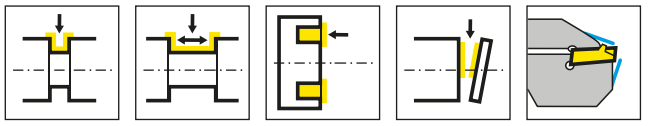
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R360.1212.01.IK	12	12	100	24	25	10.5	f_1+w-a_1	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
R360.1616.01.IK	16	16	125	22	25	14.5	f_1+w-a_1	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
R360.2020.01.IK	20	20	125	21	25	18.5	f_1+w-a_1	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
R360.2525.01.IK	25	25	150	-	25	23.5	f_1+w-a_1	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
R360.1212.02.IK	12	12	100	24	25	9.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
R360.1616.02.IK	16	16	125	22	25	13.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
R360.2020.02.IK	20	20	125	21	25	17.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
R360.2525.02.IK	25	25	150	-	25	22.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
L360.1212.01.IK	12	12	100	24	25	10.5	f_1+w-a_1	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
L360.1616.01.IK	16	16	125	22	25	14.5	f_1+w-a_1	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
L360.2020.01.IK	20	20	125	21	25	18.5	f_1+w-a_1	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
L360.2525.01.IK	25	25	150	-	25	23.5	f_1+w-a_1	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
L360.1212.02.IK	12	12	100	24	25	9.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
L360.1616.02.IK	16	16	125	22	25	13.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
L360.2020.02.IK	20	20	125	21	25	17.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
L360.2525.02.IK	25	25	150	-	25	22.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L

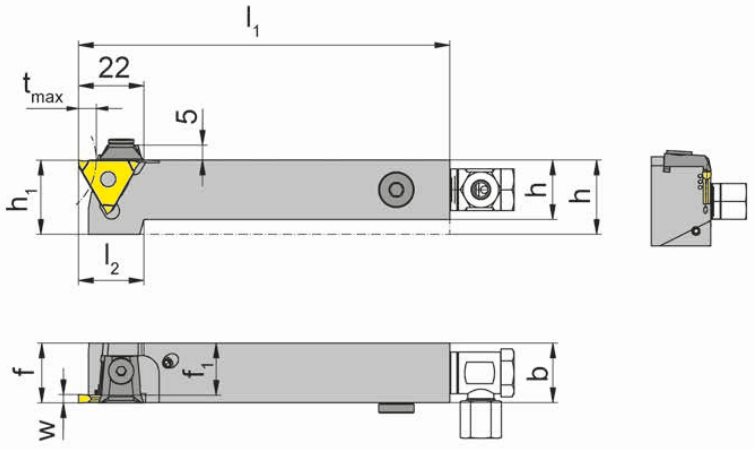
w,a1见刀片
w, a1 see indexable inserts

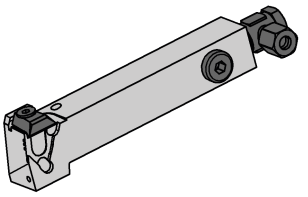
只有当工件直径Ø≤40mm时才能达到tmax
tmax can be reached only with workpiece Ø ≤ 40 mm

配件
Spare Parts

刀杆 Toolholder	冷却液供应 Coolant supply	压板 Clamping element	螺钉 Screw Plug
R/L360.1212....	**004.00.22**	**11.3**	
R/L360.1616.01.IK	**004.00.16**	**11.3**	**004.00.26**
R/L360....	**004.00.16**	**16.4**	**18.908**
R/L360.2525.01.IK	**004.00.16**	**16.4**	**004.00.26**
R/L360.1616.02.IK	**004.00.16**	**11.3**	**18.908**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

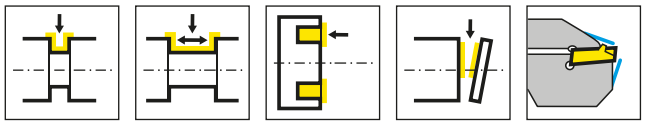
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R360.1212.03.IK	12	12	100	24	25	8.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
R360.1616.03.IK	16	16	125	22	25	12.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
R360.2020.03.IK	20	20	125	21	25	16.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
R360.1616.04.IK	16	16	125	21	25	10.8	f_1+w-a_1	6	NaN-NaN	31204N • 31204R • 31204L
R360.2020.04.IK	20	20	125	22	25	14.8	f_1+w-a_1	6	NaN-NaN	31204N • 31204R • 31204L
R360.2525.04.IK	25	25	150	-	25	19.8	f_1+w-a_1	6	NaN-NaN	31204N • 31204R • 31204L
L360.1212.03.IK	12	12	100	24	25	8.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
L360.1616.03.IK	16	16	125	22	25	12.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
L360.2020.03.IK	20	20	125	21	25	16.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
L360.2525.03.IK	25	25	150	-	25	21.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
L360.1616.04.IK	16	16	125	21	25	10.8	f_1+w-a_1	6	NaN-NaN	31204N • 31204R • 31204L
L360.2020.04.IK	20	20	125	22	25	14.8	f_1+w-a_1	6	NaN-NaN	31204N • 31204R • 31204L
L360.2525.04.IK	25	25	150	-	25	19.8	f_1+w-a_1	6	NaN-NaN	31204N • 31204R • 31204L

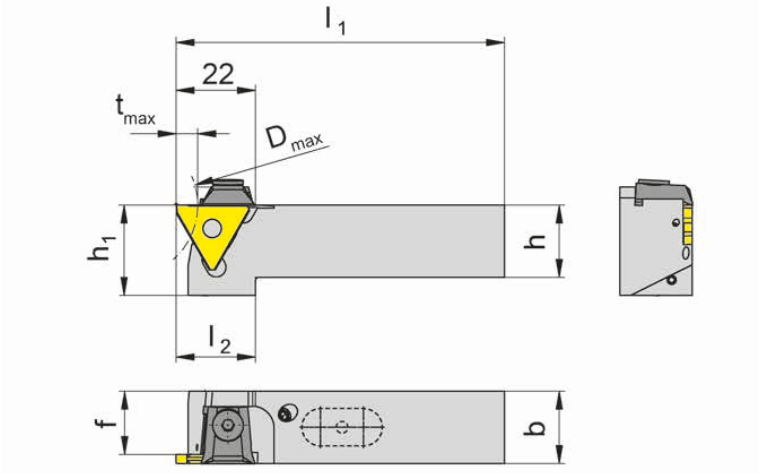
w,a1见刀片
w, a1 see indexable inserts

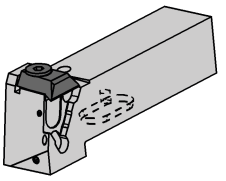
只有当工件直径Ø≤40mm时才能达到tmax
tmax can be reached only with workpiece Ø ≤ 40 mm

配件
Spare Parts

刀杆 Toolholder	冷却液供应 Coolant supply	压板 Clamping element	螺钉 Screw Plug
R/L360.1212.03.IK	**004.00.22**	**11.3**	
R/L360.1616.03.IK	**004.00.16**	**11.3**	**004.00.26**
R/L360.2020.03.IK	**004.00.16**	**16.4**	**18.908**
L360.2525.03.IK	**004.00.16**	**16.4**	**18.908**
R/L360.1616.04.IK	**004.00.16**	**13.4**	**004.00.26**
R/L360.2020.04.IK	**004.00.16**	**16.4**	
R/L360.2525.04.IK	**004.00.16**	**16.4**	**004.00.26**



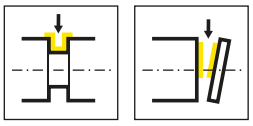


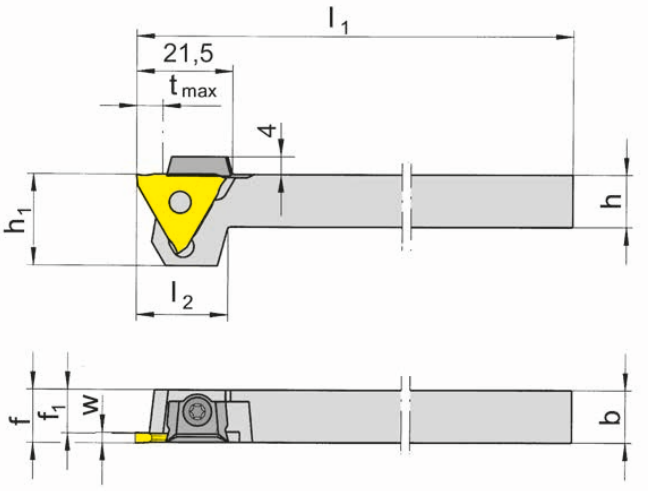


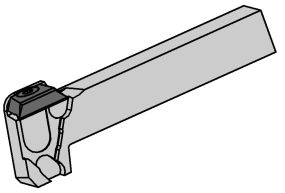
产品型号 Part number	h	b	l_1	l_2	h_1	f	D_{max}	t_{max}	夹持范围 Clamping range	HWS
R360.2020.5.01.IK	20	20	91	22	25	18.5	40	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
R360.2020.5.02.IK	20	20	91	22	25	17.5	40	6	1.9-2.9	31202N • 31202R • 31202L
R360.2020.5.03.IK	20	20	91	22	25	16.5	40	6	2.9-3.9	31203N • 31203R • 31203L
R360.2020.5.04.IK	20	20	91	22	25	14.8	40	6	3.9-6.3	31204N • 31204R • 31204L
L360.2020.5.01.IK	20	20	91	22	25	18.5	40	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
L360.2020.5.02.IK	20	20	91	22	25	17.5	40	6	1.9-2.9	31202N • 31202R • 31202L
L360.2020.5.03.IK	20	20	91	22	25	16.5	40	6	2.9-3.9	31203N • 31203R • 31203L
L360.2020.5.04.IK	20	20	91	22	25	14.8	40	6	3.9-6.3	31204N • 31204R • 31204L

配件
Spare Parts

刀杆 Toolholder	压板 Clamping element
R/L360...	**16.4**







R=右手型-如图
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L=左手型
L = left hand version

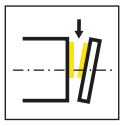
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R361.1212.01	12	12	100	17	19	10.5	f_1+w-a_1	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
R361.1212.02	12	12	100	17	19	9.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
R361.1212.03	12	12	100	21	21	8.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
L361.1212.01	12	12	100	17	19	10.5	f_1+w-a_1	4	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
L361.1212.02	12	12	100	17	19	9.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
L361.1212.03	12	12	100	21	21	8.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L

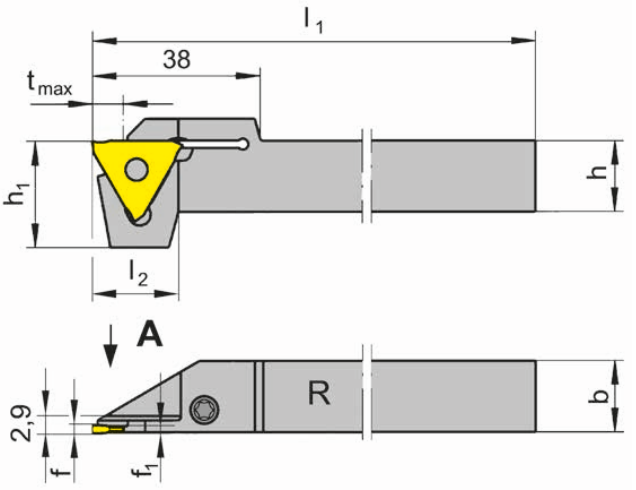
w,a1见刀片
w, a1 see indexable inserts

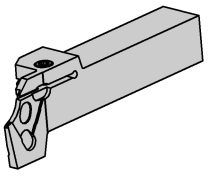
只有当工件直径Ø≤40mm时才能达到tmax
tmax can be reached only with workpiece Ø ≤ 40 mm

配件
Spare Parts

刀杆 Toolholder	**压板** Clamping element	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/L361...	**12.3**	**030.0422.T10P**	**T10PL**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

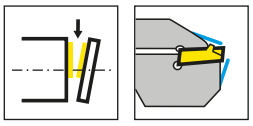
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	HWS
R368.1212.08	12	12	95	19.5	24	1	f_1+a_1	8	31208N
R368.1616.08	16	16	95	19.5	24	1	f_1+a_1	8	31208N
R368.1212.11	12	12	95	19.5	24	1.3	f_1+a_1	8	31211N
R368.1616.11	16	16	95	19.5	24	1.3	f_1+a_1	8	31211N
L368.1212.08	12	12	95	19.5	24	1	f_1+a_1	8	31208N
L368.1616.08	16	16	95	19.5	24	1	f_1+a_1	8	31208N
L368.1212.11	12	12	95	19.5	24	1.3	f_1+a_1	8	31211N
L368.1616.11	16	16	95	19.5	24	1.3	f_1+a_1	8	31211N

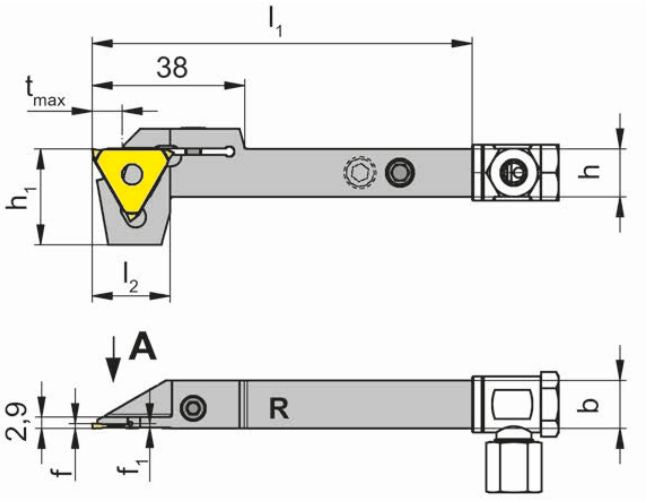
用于TRAUB (TNL12/7) 机床
for machines TRAUB (TNL12/7)

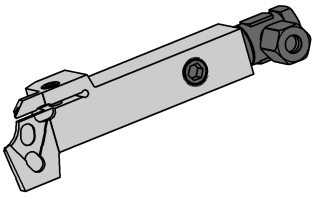
a1见刀片
a1 see indexable inserts

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/L368...	**4.15T15P**	**T15PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

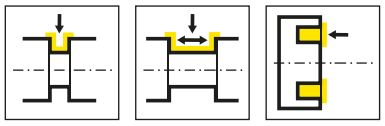
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	HWS
R368.1212.08.IK	12	12	95	19.5	24	1	f_1+a_1	8	31208N
R368.1616.08.IK	16	16	95	19.5	24	1	f_1+a_1	8	31208N
R368.1212.11.IK	12	12	95	19.5	24	1.3	f_1+a_1	8	31211N
R368.1616.11.IK	16	16	95	19.5	24	1.3	f_1+a_1	8	31211N
L368.1212.08.IK	12	12	95	19.5	24	1	f_1+a_1	8	31208N
L368.1616.08.IK	16	16	95	19.5	24	1	f_1+a_1	8	31208N
L368.1212.11.IK	12	12	95	19.5	24	1.3	f_1+a_1	8	31211N
L368.1616.11.IK	16	16	95	19.5	24	1.3	f_1+a_1	8	31211N

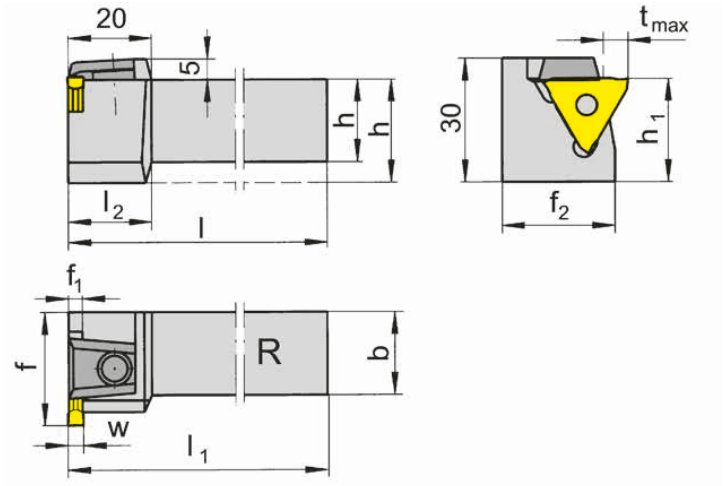
用于TRAUB (TNL12/7) 机床
for machines TRAUB (TNL12/7)

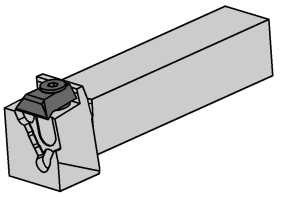
a1见刀片
a1 see indexable inserts

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**冷却液供应** Coolant supply	**TORX PLUS®扳手** TORX PLUS® Wrench
R/L368.1212...	**4.15T15P**	**004.00.22**	**T15PQ**
R/L368.1616...	**4.15T15P**	**004.00.16**	**T15PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

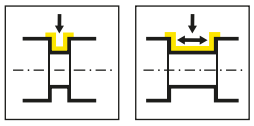
产品型号 Part number	h	b	l	l_1	l_2	h_1	f	t_{max}	f_1	f_2	夹持范围 Clamping range	HWS
R369.2020.01	20	20	125	$l-f_1+w-a_1$	20	25	27	4	1.5	23.5	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
R369.2020.02	20	20	125	$l-f_1+w-a_1$	20	25	27	6	2.5	23.5	1.9-2.9	31202N • 31202R • 31202L
R369.2525.01	25	25	150	$l-f_1+w-a_1$	-	25	32	4	1.5	28.5	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
R369.2525.02	25	25	150	$l-f_1+w-a_1$	-	25	32	6	2.5	28.5	1.9-2.9	31202N • 31202R • 31202L
R369.2020.03	20	20	125	$l-f_1+w-a_1$	20	25	27	6	3.5	23.5	2.9-3.9	31203N • 31203R • 31203L
R369.2525.03	25	25	150	$l-f_1+w-a_1$	-	25	32	6	3.5	28.5	2.9-3.9	31203N • 31203R • 31203L
R369.2020.04	20	20	125	$l-f_1+w-a_1$	20	25	27	6	4.5	23.5	3.9-6.3	31204N • 31204R • 31204L
R369.2525.04	25	25	150	$l-f_1+w-a_1$	-	25	32	6	4.5	28.5	3.9-6.3	31204N • 31204R • 31204L
L369.2020.01	20	20	125	$l-f_1+w-a_1$	20	25	27	4	1.5	23.5	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
L369.2020.02	20	20	125	$l-f_1+w-a_1$	20	25	27	6	2.5	23.5	1.9-2.9	31202N • 31202R • 31202L
L369.2525.01	25	25	150	$l-f_1+w-a_1$	-	25	32	4	1.5	28.5	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
L369.2525.02	25	25	150	$l-f_1+w-a_1$	-	25	32	6	2.5	28.5	1.9-2.9	31202N • 31202R • 31202L
L369.2020.03	20	20	125	$l-f_1+w-a_1$	20	25	27	6	3.5	23.5	2.9-3.9	31203N • 31203R • 31203L
L369.2525.03	25	25	150	$l-f_1+w-a_1$	-	25	32	6	3.5	28.5	2.9-3.9	31203N • 31203R • 31203L
L369.2020.04	20	20	125	$l-f_1+w-a_1$	20	25	27	6	4.5	23.5	3.9-6.3	31204N • 31204R • 31204L
L369.2525.04	25	25	150	$l-f_1+w-a_1$	-	25	32	6	4.5	28.5	3.9-6.3	31204N • 31204R • 31204L

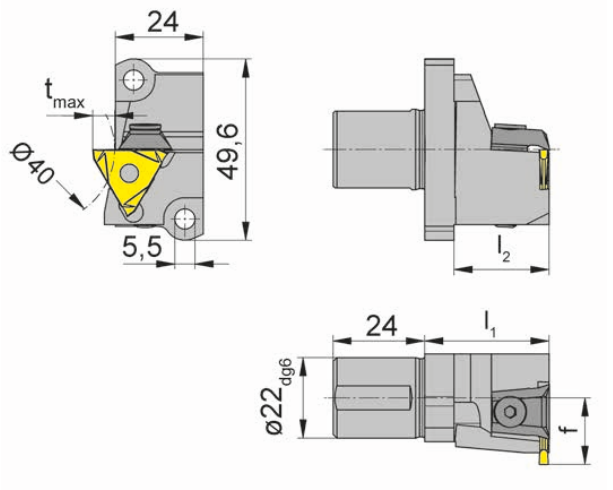
w,a1见刀片
w, a1 see indexable inserts

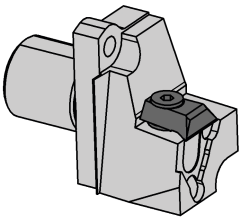
只有当工件直径Ø≤40mm时才能达到tmax
tmax can be reached only with workpiece Ø ≤ 40 mm

配件
Spare Parts

刀杆 Toolholder	**压板** Clamping element
R/L369...	**16.4**







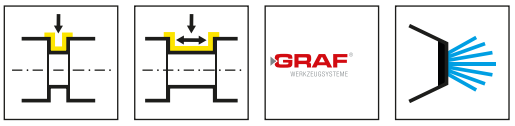
L=左手型-如图
L = left hand version shown

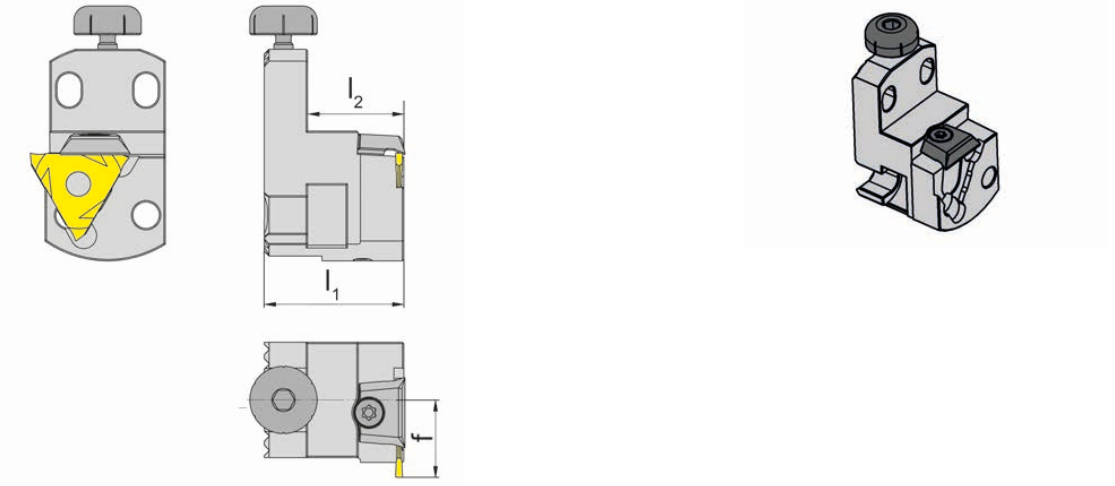
产品型号 Part number	l_2	f	t_{max}	l_1	夹持范围 Clamping range	HWS	HMS
L369.A022.18.01	26	18.2	4	34	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N	Star
L369.A022.18.02	26	18.2	6	34	1.9-2.9	31202N • 31202R • 31202L	Star

适用于Star Swiss机床:
ECAS-12/20, SB16D/E, SR-20, SR20J/JN, RS-20RII, RS-20RIII, RS-20RIV, RS-32J/JN, SW-12RIII
Swiss Type Machines Star:
ECAS-12/20, SB16D/E, SR-20, SR20J/JN, RS-20RII, RS-20RIII, RS-20RIV, RS-32J/JN, SW-12RII

配件
Spare Parts

刀杆 Toolholder	**压板** Clamping element
L369...	**16.4**





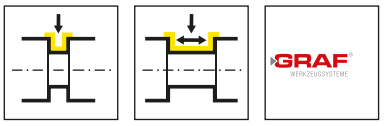
R=右手型-如图
R = right hand version shown

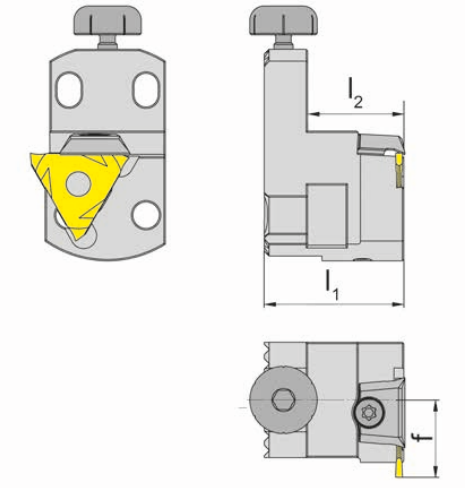
L=左手型
L = left hand version

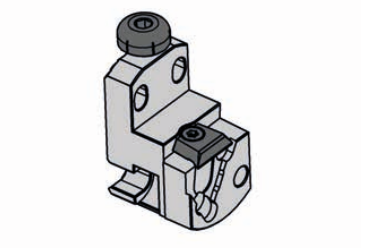
产品型号 Part number	l_1	l_2	f	HWS
R.64	29	20	16	31201N • 31201R • 31201L • 31208N • 31211N
R.65	29	20	16	31202N • 31202R • 31202L
R.64.IK	40	12	16	31201N • 31201R • 31201L • 31208N • 31211N
R.65.IK	40	12	16	31202N • 31202R • 31202L
L.64	29	20	16	31201N • 31201R • 31201L • 31208N • 31211N
L.65	29	20	16	31202N • 31202R • 31202L
L.64.IK	40	12	16	31201N • 31201R • 31201L • 31208N • 31211N
L.65.IK	40	12	16	31202N • 31202R • 31202L

配件
Spare Parts

Graf刀夹 Cartridge Graf	**压板** Clamping element	**冷却液供应** Coolant supply
R/L....	**12.3**	
R/L....IK	**4082.L**	**004.00.19**







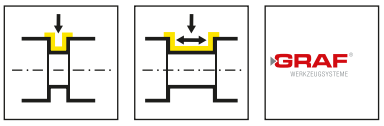
R=右手型-如图
R = right hand version shown

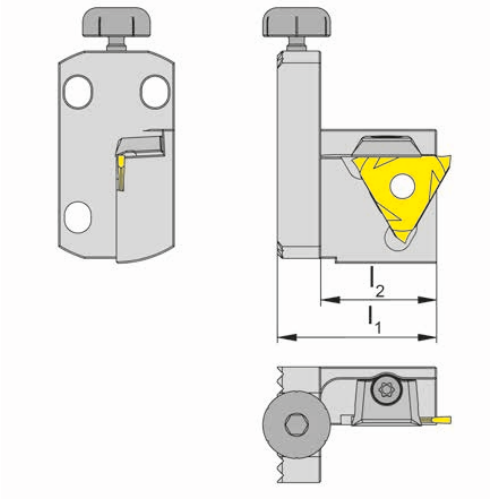
L=左手型
L = left hand version

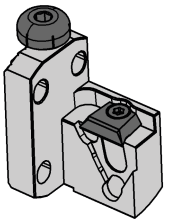
产品型号 Part number	l_1	l_2	f	HWS
R.99	29	20	16	31203N • 31203R • 31203L
L.99	29	20	16	31203N • 31203R • 31203L

可调刀杆
Adjustable holder

N67 / N68



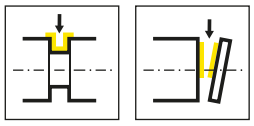


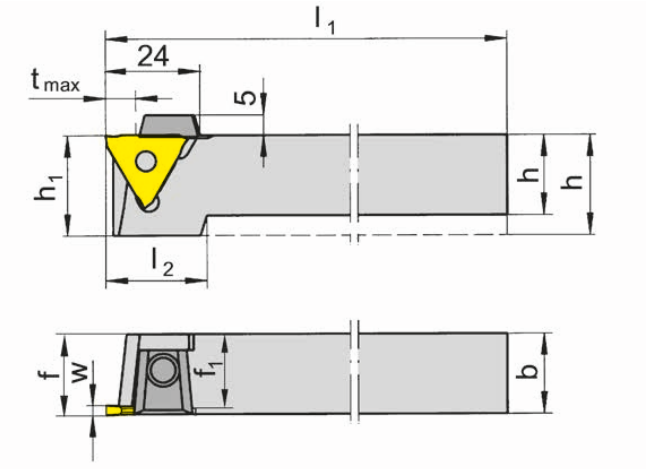


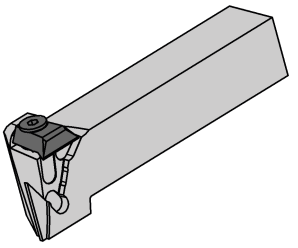
产品型号 Part number	l_1	l_2	HWS
N.67	33	29	31201N • 31201R • 31201L • 31208N • 31211N
N.68	33	29	31202N • 31202R • 31202L

配件
Spare Parts

可调刀杆 Adjustable holder	压板 Clamping element
N.67	**12.3**
N.68	







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

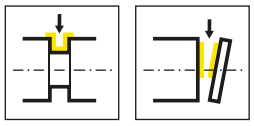
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R390.2020.01	20	20	125	22	25	18.5	f_1+w-a_1	8	1.4-1.9	31201N • 31201R • 31201L
R390.2525.01	25	25	150	-	25	23.5	f_1+w-a_1	8	1.4-1.9	31201N • 31201R • 31201L
R390.2020.02	20	20	125	22	25	17.5	f_1+w-a_1	8	1.9-2.9	31202N • 31202R • 31202L
R390.2525.02	25	25	150	-	25	22.5	f_1+w-a_1	8	1.9-2.9	31202N • 31202R • 31202L
R390.3232.02	32	32	170	-	32	29.5	f_1+w-a_1	8	1.9-2.9	31202N • 31202R • 31202L
R390.2020.03	20	20	125	22	25	16.5	f_1+w-a_1	8	2.9-3.9	31203N • 31203R • 31203L
R390.2525.03	25	25	150	-	25	21.5	f_1+w-a_1	8	2.9-3.9	31203N • 31203R • 31203L
R390.3232.03	32	32	170	-	32	28.5	f_1+w-a_1	8	2.9-3.9	31203N • 31203R • 31203L
R390.2020.04	20	20	125	22	25	14.8	f_1+w-a_1	8	3.9-5.3	31204N • 31204R • 31204L
R390.2525.04	25	25	150	-	25	19.8	f_1+w-a_1	8	3.9-5.3	31204N • 31204R • 31204L
R390.3232.04	32	32	170	-	32	26.8	f_1+w-a_1	8	3.9-5.3	31204N • 31204R • 31204L
L390.2020.01	20	20	125	22	25	18.5	f_1+w-a_1	8	1.4-1.9	31201N • 31201R • 31201L
L390.2525.01	25	25	150	-	25	23.5	f_1+w-a_1	8	1.4-1.9	31201N • 31201R • 31201L
L390.2020.02	20	20	125	22	25	17.5	f_1+w-a_1	8	1.9-2.9	31202N • 31202R • 31202L
L390.2525.02	25	25	150	-	25	22.5	f_1+w-a_1	8	1.9-2.9	31202N • 31202R • 31202L
L390.3232.02	32	32	170	-	32	29.5	f_1+w-a_1	8	1.9-2.9	31202N • 31202R • 31202L
L390.2020.03	20	20	125	22	25	16.5	f_1+w-a_1	8	2.9-3.9	31203N • 31203R • 31203L
L390.2525.03	25	25	150	-	25	21.5	f_1+w-a_1	8	2.9-3.9	31203N • 31203R • 31203L
L390.3232.03	32	32	170	-	32	28.5	f_1+w-a_1	8	2.9-3.9	31203N • 31203R • 31203L
L390.2020.04	20	20	125	22	25	14.8	f_1+w-a_1	8	3.9-5.3	31204N • 31204R • 31204L
L390.2525.04	25	25	150	-	25	19.8	f_1+w-a_1	8	3.9-5.3	31204N • 31204R • 31204L
L390.3232.04	32	32	170	-	32	26.8	f_1+w-a_1	8	3.9-5.3	31204N • 31204R • 31204L

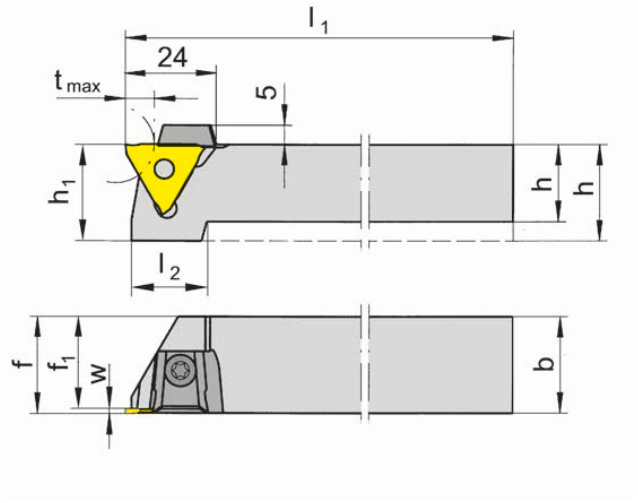
w,a1见刀片
w, a1 see indexable inserts

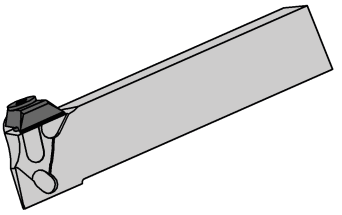
只有当工件直径Ø≤125mm时才能达到最大切深tmax
tmax can be reached only with workpiece Ø ≤ 125 mm

配件
Spare Parts

刀杆 Toolholder	压板 Clamping element
R/L390...	**16.4**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

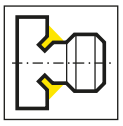
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R391.1212.01	12	12	100	21	21	10.5	f_1+w-a_1	8	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
R391.1616.01	16	16	125	21	21	14.5	f_1+w-a_1	8	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
R391.2020.01	20	20	125	21	21	18.5	f_1+w-a_1	8	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
R391.2525.01	25	25	150	-	25	23.8	f_1+w-a_1	8	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
L391.1212.01	12	12	100	21	21	10.5	f_1+w-a_1	8	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
L391.1616.01	16	16	125	21	21	14.5	f_1+w-a_1	8	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
L391.2020.01	20	20	125	21	21	18.5	f_1+w-a_1	8	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
L391.2525.01	25	25	150	-	25	23.8	f_1+w-a_1	8	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N

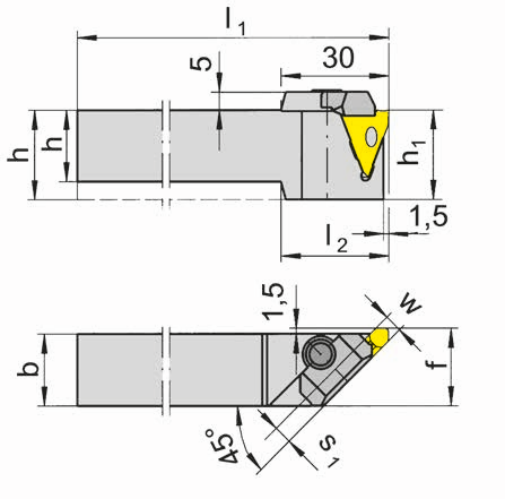
w,a1见刀片
w, a1 see indexable inserts

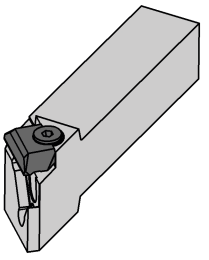
只有当工件直径Ø≤20mm时才能达到tmax
tmax can be reached only with workpiece Ø ≤ 20 mm

配件
Spare Parts

刀杆 Toolholder	压板 Clamping element	TORX PLUS®扳手 TORX PLUS® Wrench
R/L391.1212.01	**12.3**	**T10PL**
R/L391.1616.01	**14.4**	**T15PQ**
R/L391....	**16.4**	







R=右手型-如图
R = right hand version shown

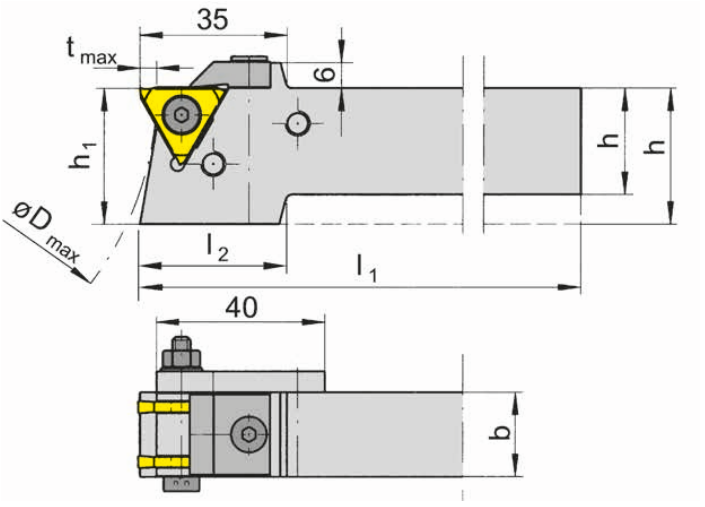
L=左手型
L = left hand version

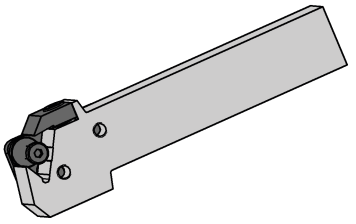
产品型号 Part number	h	b	l_1	l_2	h_1	f	s_1	夹持范围 Clamping range	HWS
R309.1616.01	16	16	125	30	25	21.5	1.5	0.5-1.9	31201N • 31201R • 31201L
R309.2020.02	20	20	125	30	25	21.5	2.5	1.9-2.9	31202N • 31202R • 31202L
R309.2525.02	25	25	150	-	25	26.5	2.5	1.9-2.9	31202N • 31202R • 31202L
R309.3232.02	32	32	170	-	32	33.5	2.5	1.9-2.9	31202N • 31202R • 31202L
R309.2020.03	20	20	125	30	25	21.5	3.5	2.9-3.9	31203N • 31203R • 31203L
R309.2525.03	25	25	150	-	25	26.5	3.5	2.9-3.9	31203N • 31203R • 31203L
R309.3232.03	32	32	170	-	32	33.5	3.5	2.9-3.9	31203N • 31203R • 31203L
R309.2020.04	20	20	125	30	25	21.5	5.2	3.9-5.3	31204N • 31204R • 31204L
R309.2525.04	25	25	150	-	25	26.5	5.2	3.9-5.3	31204N • 31204R • 31204L
R309.3232.04	32	32	170	-	32	33.5	5.2	3.9-5.3	31204N • 31204R • 31204L
L309.1616.01	16	16	125	30	25	21.5	1.5	0.5-1.9	31201N • 31201R • 31201L
L309.2020.02	20	20	125	30	25	21.5	2.5	1.9-2.9	31202N • 31202R • 31202L
L309.2525.02	25	25	150	-	25	26.5	2.5	1.9-2.9	31202N • 31202R • 31202L
L309.2020.03	20	20	125	30	25	21.5	3.5	2.9-3.9	31203N • 31203R • 31203L
L309.2525.03	25	25	150	-	25	26.5	3.5	2.9-3.9	31203N • 31203R • 31203L
L309.3232.03	32	32	170	-	32	33.5	3.5	2.9-3.9	31203N • 31203R • 31203L
L309.2020.04	20	20	125	30	25	21.5	5.2	3.9-5.3	31204N • 31204R • 31204L
L309.2525.04	25	25	150	-	25	26.5	5.2	3.9-5.3	31204N • 31204R • 31204L

w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	压板 Clamping element
R/L309...	**21.4**

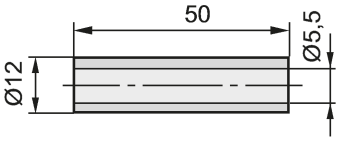




产品型号 Part number	h	b	l_1	l_2	h_1	D_{max}	t_{max}	HWS
340.2020.01	20	20	170	35	32	160	4	31201N
340.2520.01	25	20	170	35	32	160	4	31201N
340.3220.01	32	20	170	-	32	160	4	31201N

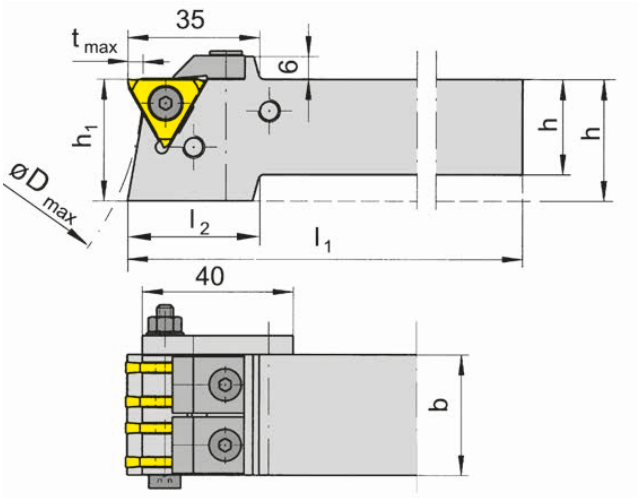
仅适用于312系列非标刀片
Only usable with special inserts type 312

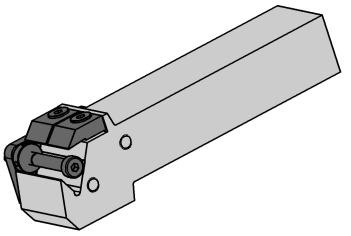
用于间隔环的管子 产品型号:340.0012.50 需单独订购
Tube for producing spacing rings Part number 340.0012.50 separate order required



配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	压板 Clamping element
340...	**5.30.7984**	**340.0200**



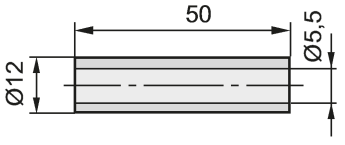


右手安装
Right hand mounted

产品型号 Part number	h	b	l_1	l_2	h_1	D_{max}	t_{max}	HWS
340.2532.02	25	32	170	35	32	160	4	31202N

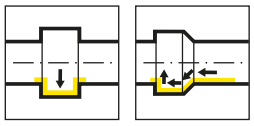
仅适用于312系列非标刀片
Only usable with special inserts type 312

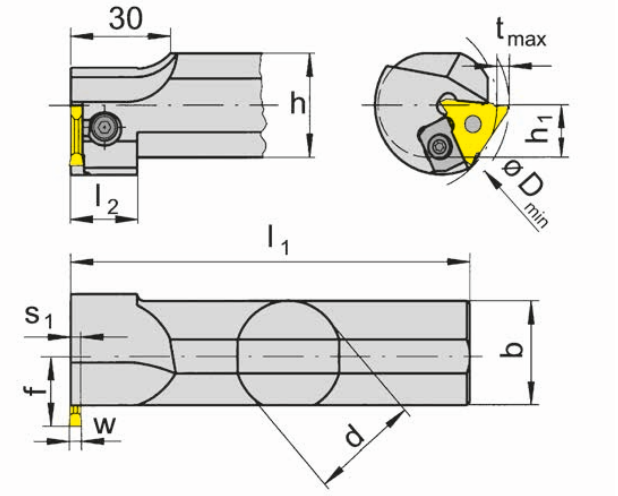
用于间隔环的管子 产品型号:340.0012.50 需单独订购
Tube for producing spacing rings Part number 340.0012.50 separate order required

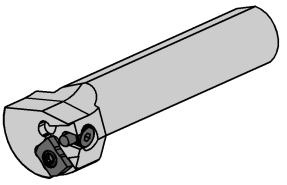


配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**螺钉** Package screw	**压板** Clamping element
340.2532.02	**6.16.7991**	**5.40.7984**	**22.16**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	d	l_1	l_2	h	s_1	h_1	f	D_{min}	b	HWS
R330.0025.K2	25	170	20	23	2.5	11.5	20	46	25	31202N • 31202R • 31202L
R330.0032.K2	32	200	20	30	2.5	15	20	46	30	31202N • 31202R • 31202L
R330.0040.K2	40	250	-	38	2.5	19	24	46	38	31202N • 31202R • 31202L
R330.0025.K3	25	170	20	23	3.5	11.5	20	46	25	31203N • 31203R • 31203L
R330.0032.K3	32	200	20	30	3.5	15	20	46	30	31203N • 31203R • 31203L
R330.0040.K3	40	250	-	38	3.5	19	24	46	38	31203N • 31203R • 31203L
R330.0025.K4	25	170	20	23	5.5	11.5	20	46	25	31204N • 31204R • 31204L
R330.0032.K4	32	200	20	30	5.5	15	20	46	30	31204N • 31204R • 31204L
R330.0040.K4	40	250	-	38	5.5	19	24	46	38	31204N • 31204R • 31204L
L330.0025.K2	25	170	20	23	2.5	11.5	20	46	25	31202N • 31202R • 31202L
L330.0032.K2	32	200	20	30	2.5	15	20	46	30	31202N • 31202R • 31202L
L330.0040.K2	40	250	-	38	2.5	19	24	46	38	31202N • 31202R • 31202L
L330.0025.K3	25	170	20	23	3.5	11.5	20	46	25	31203N • 31203R • 31203L
L330.0032.K3	32	200	20	30	3.5	15	20	46	30	31203N • 31203R • 31203L
L330.0040.K3	40	250	-	38	3.5	19	24	46	38	31203N • 31203R • 31203L
L330.0025.K4	25	170	20	23	5.5	11.5	20	46	25	31204N • 31204R • 31204L
L330.0032.K4	32	200	20	30	5.5	15	20	46	30	31204N • 31204R • 31204L
L330.0040.K4	40	250	20	38	5.5	19	24	46	38	31204N • 31204R • 31204L

w见刀片
w see indexable inserts

切槽深度与孔径ø的关系
Depth of groove in relation to bore ø

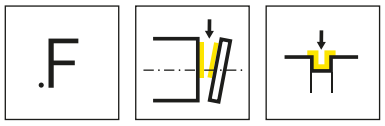
Dmin	tmax
46	2
50	3
60	4
80	4,5
100	5

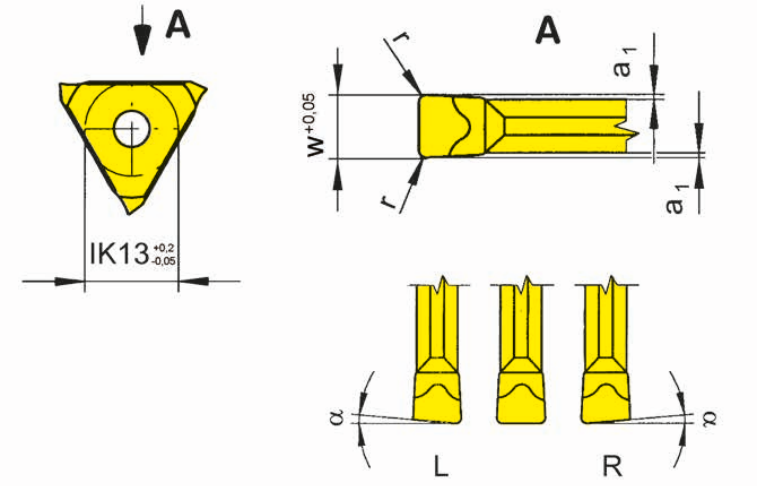
配件
Spare Parts

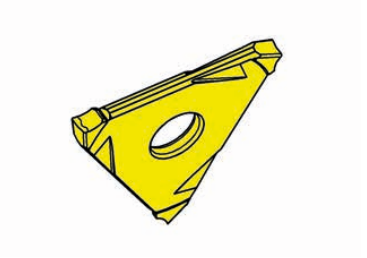
常规刀柄 Basic toolholder	**锁紧螺钉** Clamping Screw	**压板** Clamping element	**TORX PLUS®扳手** TORX PLUS® Wrench
R/L330...	**5.12T20P**	**15.4**	**T20PQ**

可转位刀片
Indexable insert

S312







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

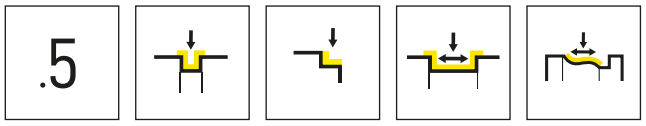
硬质合金牌号
Carbide grades

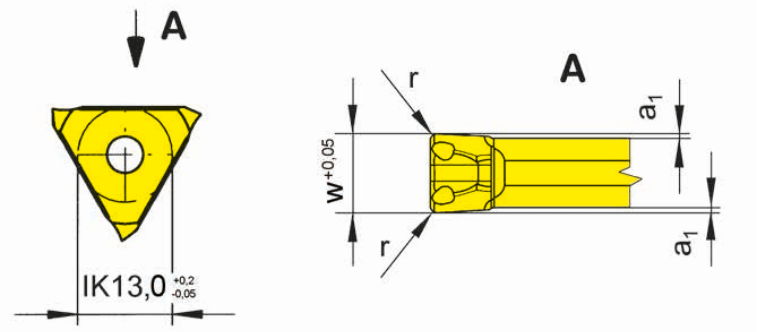
▲ 库存
on stock

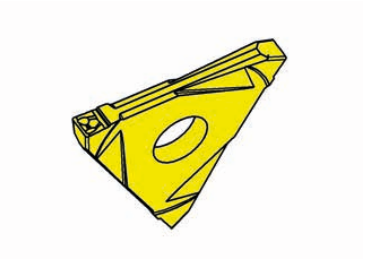
Δ 4周
4 weeks

产品型号 Part number	w	r	α	a_1	HIS	AL96	EG56	TC92	TF45	TF46	TI25
RS312.0520.F2	2	0.2	5°	0.25	31202N		Δ			▲	▲
RS312.0525.F2	2.5	0.2	5°	0.25	31202N		▲			▲	▲
LS312.0520.F2	2	0.2	5°	0.25	31202N		Δ			Δ	▲
LS312.0525.F2	2.5	0.2	5°	0.25	31202N		Δ				▲
S312.0200.F2	2	0.2	0°	0.25	31202N	Δ	▲	Δ	Δ	▲	▲
S312.0250.F2	2.5	0.2	0°	0.25	31202N	Δ	Δ	Δ	Δ	▲	▲
S312.0400.F2	4	0.2	0°	0.25	31204N		Δ			▲	Δ
S312.0400.F4	4	0.4	0°	0.25	31204N		▲			▲	▲
S312.0500.F2	5	0.2	0°	0.25	31204N		▲			▲	
S312.0500.F4	5	0.4	0°	0.25	31204N		Δ			Δ	

P	●	●	●	●	●	●
M	-	o	-	●	o	●
K	●	o	-	●	●	●
N	●	-	-	●	●	●
S	-	-	-	●	o	●
H	-	-	-	-	-	-







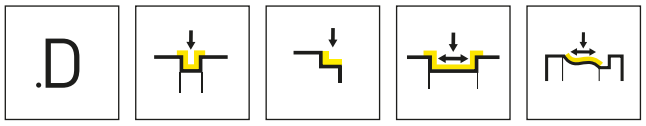
硬质合金牌号
Carbide grades

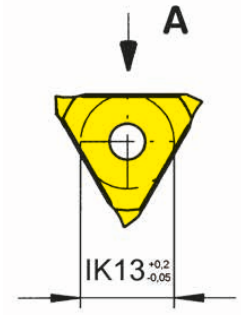
▲ 库存 on stock　　Δ 4周 4 weeks

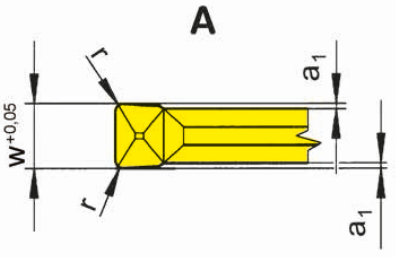
产品型号 Part number	w	r	a_1	HIS		AL96	AS62	AS66	EG56	TC92	TF45	TF46	TI25	TN32	TN35
S312.0250.52	2.5	0.2	0.25	31202N		▲	▲	▲	▲	Δ	▲	▲	▲	▲	
S312.0250.54	2.5	0.4	0.25	31202N		Δ	▲	▲	▲	Δ	▲	▲	▲	▲	▲
S312.0300.52	3	0.2	0.25	31203N		Δ	▲	▲	▲	Δ	▲	▲	▲	▲	
S312.0300.54	3	0.4	0.25	31203N		Δ	▲	▲	▲	Δ	Δ	▲	▲	▲	
S312.0400.52	4	0.2	0.25	31204N			▲	▲	▲			▲	▲	Δ	
S312.0400.54	4	0.4	0.25	31204N			▲	▲	▲			▲	▲	▲	
S312.0500.52	5	0.2	0.25	31204N			▲	▲	▲			▲	Δ	Δ	
S312.0500.54	5	0.4	0.25	31204N			▲	▲	Δ			▲	▲	Δ	
					P	●	●	●	●	●	●	●	●	●	●
					M	-	-	o	o	-	●	o	●	-	●
					K	●	-	●	o	-	●	●	●	-	●
					N	●	-	●	-	-	●	●	●	-	●
					S	-	-	o	-	-	●	o	●	-	●
					H	-	-	-	-	-	-	-	-	-	-

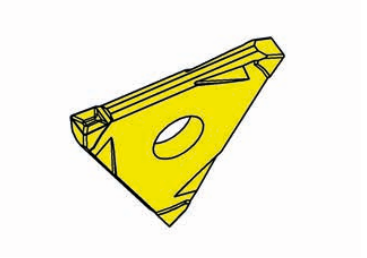
可转位刀片
Indexable insert

S312





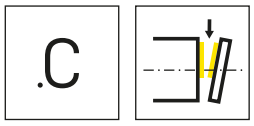


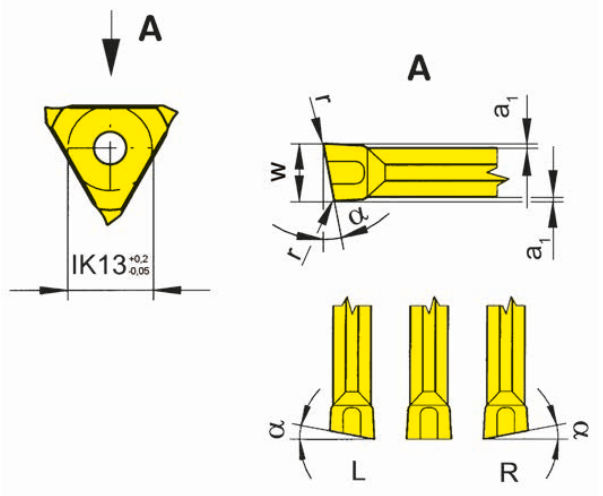


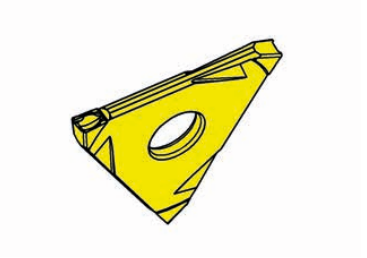
硬质合金牌号
Carbide grades

▲ 库存 on stock　　Δ 4周 4 weeks

产品型号 Part number	w	r	a_1	HIS	AL96	AS62	AS66	EG56	TC92	TF45	TF46	TI25	TN32
S312.0200.D2	2	0.2	0.25	31202N	Δ	▲	▲	▲	Δ	Δ	▲	▲	▲
S312.0200.D4	2	0.4	0.25	31202N	Δ	▲	▲	▲	Δ	Δ	Δ	▲	
S312.0250.D2	2.5	0.2	0.25	31202N	Δ	▲	▲	▲	▲	▲	▲	▲	▲
S312.0250.D4	2.5	0.4	0.25	31202N	Δ	▲	▲	▲	▲	▲	▲	▲	▲
S312.0300.D2	3	0.2	0.25	31203N	Δ	Δ	▲	▲	Δ	▲	▲	▲	▲
S312.0300.D4	3	0.4	0.25	31203N	Δ	▲	▲	▲	Δ	Δ	Δ	Δ	
P					●	●	●	●	●	●	●	●	●
M					-	-	o	o	-	●	o	●	-
K					●	-	●	o	-	●	●	●	-
N					●	-	●	-	-	●	●	●	-
S					-	-	o	-	-	●	o	●	-
H					-	-	-	-	-	-	-	-	-







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

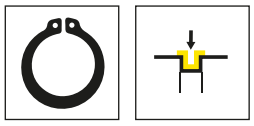
▲ 库存
on stock

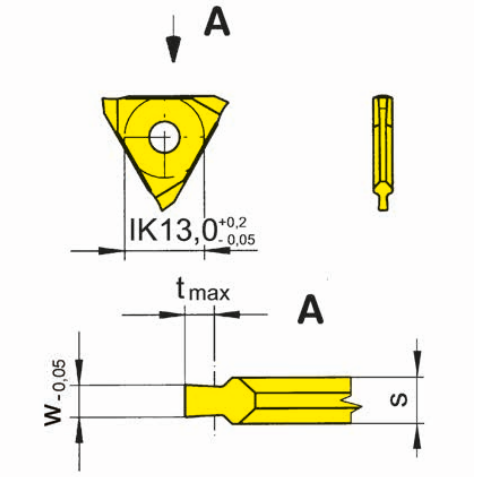
Δ 4周
4 weeks

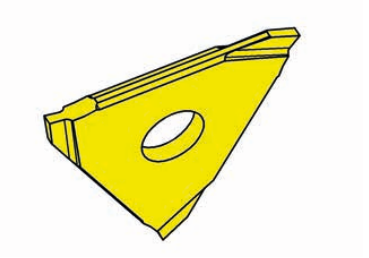
产品型号 Part number	w	r	α	a_1	HIS		EG55	TF46	TI25
RS312.0520.C2	2	0.2	5°	0.25	31202N		▲	▲	▲
RS312.0525.C2	2.5	0.2	5°	0.25	31202N		Δ	▲	▲
RS312.0530.C2	3	0.2	5°	0.25	31203N		Δ	Δ	▲
LS312.0520.C2	2	0.2	5°	0.25	31202N		▲	Δ	▲
LS312.0525.C2	2.5	0.2	5°	0.25	31202N			Δ	▲
LS312.0530.C2	3	0.2	5°	0.25	31203N		Δ		Δ
S312.0200.C2	2	0.2	0°	0.25	31202N		▲	▲	▲
S312.0250.C2	2.5	0.2	0°	0.25	31202N		▲	Δ	▲
S312.0300.C2	3	0.2	0°	0.25	31203N		Δ	Δ	Δ
						P	●	●	●
						M	o	o	●
						K	o	●	●
						N	-	●	●
						S	-	o	●
						H	-	-	-

可转位刀片
Indexable insert

312





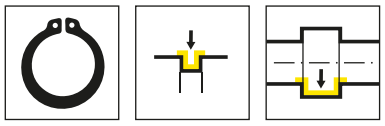


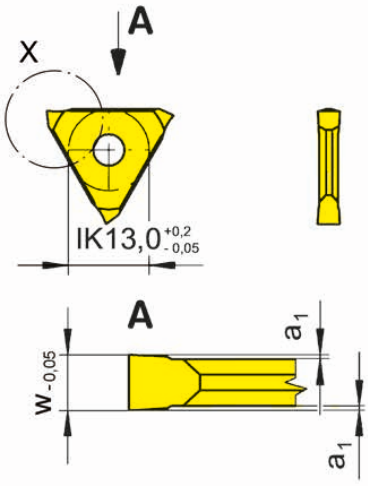
硬质合金牌号
Carbide grades

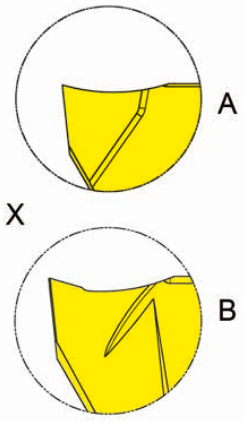
▲ 库存
on stock

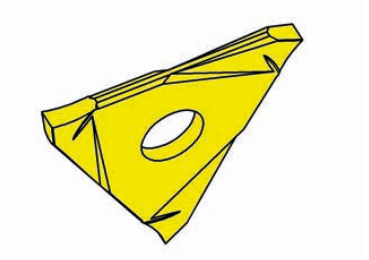
Δ 4周
4 weeks

产品型号 Part number	w	Nw	t_{max}	s	HIS		EG35	EG52	TN32
312.0034.15	0.38	0.34	0.6	1.5	31201N		Δ		
312.0044.15	0.44	0.4	0.7	1.5	31201N		Δ		
312.0050.15	0.57	0.5	0.7	1.5	31201N			▲	▲
312.0060.15	0.67	0.6	0.8	1.5	31201N			▲	▲
312.0070.15	0.77	0.7	1.1	1.5	31201N			▲	▲
312.0080.15	0.87	0.8	1.2	1.5	31201N			▲	▲
312.0090.15	0.97	0.9	1.4	1.5	31201N			▲	▲
312.0100.15	1.07	1	1.6	1.5	31201N			▲	▲
						P	●	●	●
						M	●	o	-
						K	o	-	-
						N	-	-	-
						S	-	-	-
						H	-	-	-









形式A = 完全研磨
Form A = completely ground

形式B = 部分研磨
Form B = partially ground

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	Nw	a_1	形式 Form	HIS	K10	MG12	P20	EG35	EG55	EG56	HS32	HS36	TA45	TC92	TF45	TF46	TI25	TN32	TN35	H20
312.0050.00	0,57	0,5	0,07	A	31201N	▲		▲		▲						▲	▲		▲		
312.0060.00	0,67	0,6	0,07	A	31201N	▲		▲		▲						▲	▲		▲		
312.0070.00	0,77	0,7	0,08	A	31201N	▲		▲		▲						▲	▲		▲		
312.0080.00	0,87	0,8	0,08	A	31201N	▲		▲		▲						▲	▲		▲		
312.0090.00	0,97	0,9	0,08	A	31201N	▲		▲		▲						▲	▲		▲	▲	
312.0100.00	1,07	1	0,09	A	31201N	▲		▲		▲						▲	▲		▲	▲	Δ
312.0110.00	1,24	1,1	0,2	A	31201N	▲		▲		▲		Δ	Δ		▲	▲	▲		▲		
312.0130.00	1,44	1,3	0,2	A	31201N	▲		▲		▲					▲	▲	▲		▲	▲	
312.0160.00	1,74	1,6	0,2	A	31201N	▲		▲		▲					▲	▲	▲		▲	▲	
312.0185.00	1,99	1,85	0,2	B	31201N	▲	▲	▲		▲	Δ				▲	▲	▲	▲	▲	▲	▲
312.0215.00	2,29	2,15	0,2	B	31202N	▲	▲	▲		▲				▲	▲	▲	▲		▲	▲	▲
312.0265.00	2,79	2,65	0,2	B	31202N	▲	▲	▲		▲				Δ	▲	▲	▲		▲	▲	▲
312.0315.00	3,29	3,15	0,2	B	31203N	▲		▲		▲					▲	▲	▲		▲	▲	▲
312.0415.00	4,29	4,15	0,2	B	31204N	▲		▲		▲					▲	▲	▲		▲	▲	
312.0515.00	5,29	5,15	0,2	B	31204N	▲		▲	▲	▲					Δ	▲	▲		▲		Δ
						P	●	o	●	●	●	●	o	-	●	●	●	●	●	●	●	●
						M	o	-	-	●	o	o	o	-	●	-	●	o	●	-	●	o
						K	●	-	-	o	o	o	-	-	●	-	●	●	●	-	●	-
						N	●	-	-	-	-	-	-	-	●	-	●	●	●	-	●	-
						S	o	-	-	-	-	-	-	-	●	-	●	o	●	-	●	-
						H	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-

可转位刀片
Indexable insert

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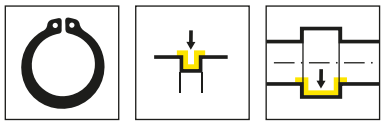
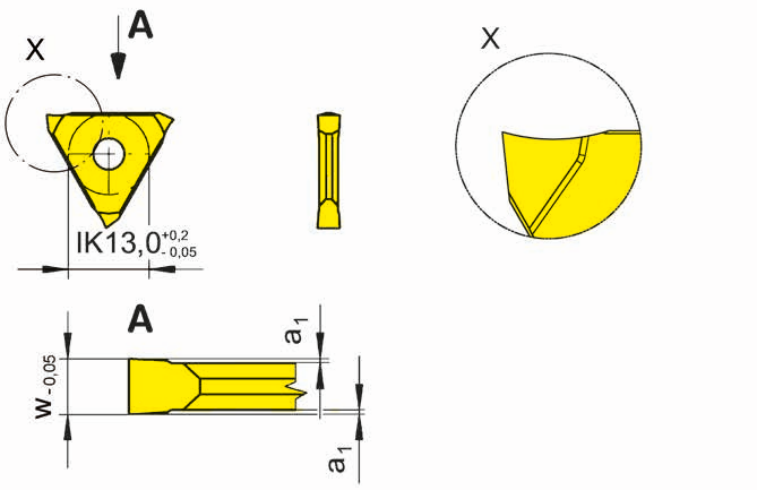
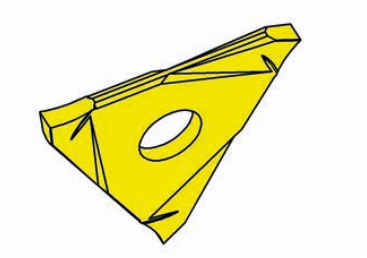






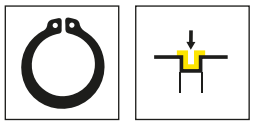
完全研磨
completely ground

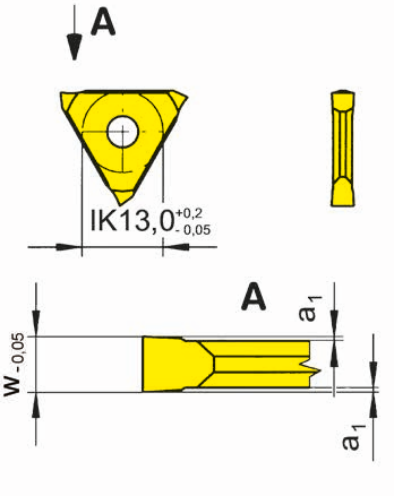
硬质合金牌号
Carbide grades

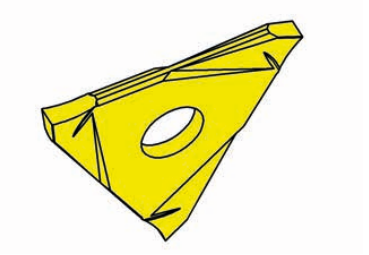
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	Nw	a_1	HIS		K10	P20	EG56	TN32
312.0185.10	1.99	1.85	0.2	31201N		Δ	▲		▲
312.0215.10	2.29	2.15	0.2	31202N		▲	Δ	▲	
312.0265.10	2.79	2.65	0.2	31202N		▲	▲	Δ	
312.0315.10	3.29	3.15	0.2	31203N		▲	Δ	Δ	
312.0415.10	4.29	4.15	0.2	31204N		▲	▲	▲	
					P	●	●	●	●
					M	o	-	o	-
					K	●	-	o	-
					N	●	-	-	-
					S	o	-	-	-
					H	-	-	-	-





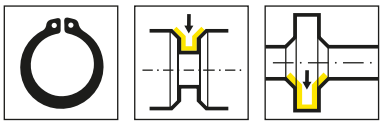


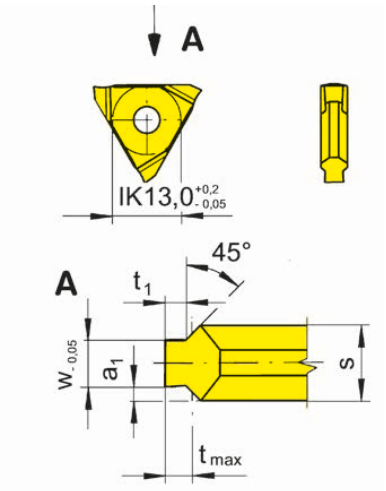
硬质合金牌号
Carbide grades

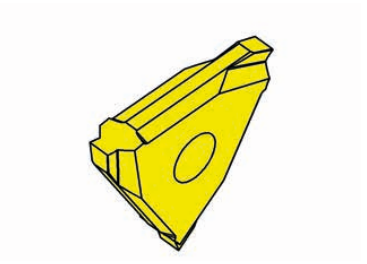
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	Nw	a_1	HIS		EG55	TN35
312.0110.80	1.24	1.1	0.2	31201N		▲	▲
312.0130.80	1.44	1.3	0.2	31201N		▲	▲
312.0160.80	1.74	1.6	0.2	31201N		▲	▲
312.0185.80	1.99	1.85	0.2	31201N		▲	▲
312.0215.80	2.29	2.15	0.2	31202N		▲	▲
312.0265.80	2.79	2.65	0.2	31202N		▲	▲
312.0315.80	3.29	3.15	0.2	31203N		Δ	▲
312.0415.80	4.29	4.15	0.2	31204N		▲	▲
312.0515.80	5.29	5.15	0.2	31204N			▲
					P	●	●
					M	o	●
					K	o	●
					N	-	●
					S	-	●
					H	-	-







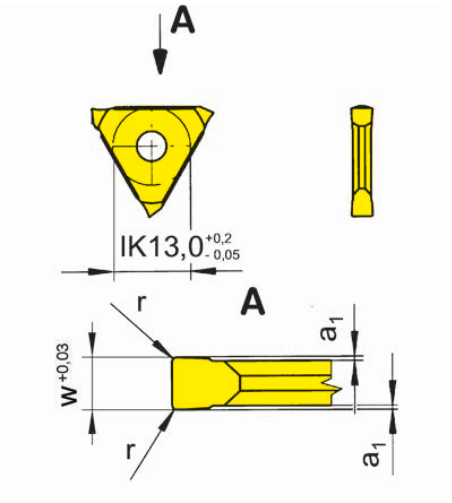
硬质合金牌号
Carbide grades

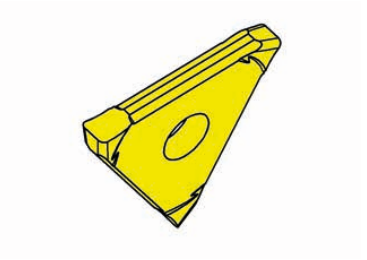
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	Nw	t_{max}	a_1	s	t_1	HIS	P20	EG52	TN32	TN35
312.1101.25	1.24	1.1	0.2	0.64	2.5	0.19	31202N		Δ	Δ	
312.1102.25	1.24	1.1	0.25	0.64	2.5	0.24	31202N		▲	▲	
312.1103.25	1.24	1.1	0.3	0.64	2.5	0.29	31202N		▲	▲	
312.1104.25	1.24	1.1	0.35	0.64	2.5	0.33	31202N		Δ	▲	
312.1105.25	1.24	1.1	0.4	0.64	2.5	0.36	31202N	▲	▲	▲	Δ
312.1306.25	1.44	1.3	0.55	0.54	2.5	0.45	31202N	Δ	Δ	▲	
312.1607.33	1.74	1.6	0.7	0.79	3.3	0.6	31203N		▲	▲	
312.1608.33	1.74	1.6	0.85	0.79	3.3	0.75	31203N	Δ	▲	▲	
312.1609.33	1.74	1.6	1	0.79	3.3	0.85	31203N		▲	▲	
312.1810.33	1.99	1.85	1	0.67	3.3	0.85	31203N		▲	▲	
312.1812.33	1.99	1.85	1.25	0.67	3.3	1.1	31203N	Δ	▲	▲	
312.2115.43	2.29	2.15	1.5	1.02	4.3	1.35	31204N	▲	▲	▲	
312.2616.43	2.79	2.65	1.5	0.77	4.3	1.35	31204N	Δ	▲	▲	
312.2617.43	2.79	2.65	1.75	0.77	4.3	1.6	31204N	Δ	▲	▲	
312.3118.53	3.29	3.15	1.75	1.02	5.3	1.6	31204N	Δ	▲	▲	
312.4120.53	4.29	4.15	2	0.52	5.3	1.85	31204N		▲	▲	
312.4125.53	4.29	4.15	2.5	0.52	5.3	2.35	31204N		Δ	▲	
312.5130.63	5.29	5.15	3	0.52	6.3	2.85	31204N		Δ	▲	

P	●	●	●	●
M	-	o	-	●
K	-	-	-	●
N	-	-	-	●
S	-	-	-	●
H	-	-	-	-



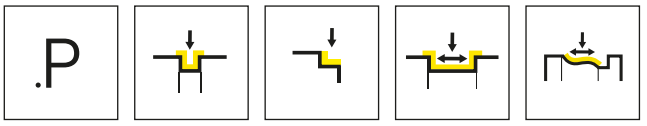


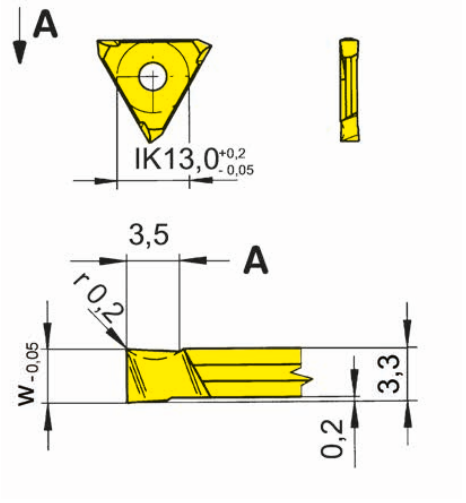
硬质合金牌号
Carbide grades

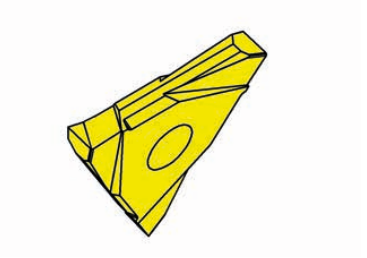
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	a_1	HIS	K10	P20	AS62	EG52	TF45	TI22	TI25	TN32	TN35	H20
312.0100.02	1	0.2	0.1	31201N				▲			▲	▲		
312.0150.02	1.5	0.2	0.25	31201N	Δ	▲		▲			▲	▲	▲	
312.0200.02	2	0.2	0.25	31202N	▲	▲		▲	▲	▲	▲	▲	▲	▲
312.0200.04	2	0.4	0.25	31202N		▲	▲	▲				▲		▲
312.0300.02	3	0.2	0.25	31203N	Δ	▲		▲			▲	▲		▲
312.0300.06	3	0.6	0.25	31203N		▲		▲				▲		
312.0400.02	4	0.2	0.25	31204N		▲		▲				▲		▲
312.0400.08	4	0.8	0.25	31204N		Δ		▲				▲		
312.0400.12	4	1.2	0.25	31204N		Δ		Δ						
					P ●	●	●	●	●	●	●	●	●	●
					M o	-	-	o	●	-	●	-	●	o
					K ●	-	-	-	●	-	●	-	●	-
					N ●	-	-	-	●	-	●	-	●	-
					S o	-	-	-	●	-	●	-	●	-
					H -	-	-	-	-	-	-	-	-	-







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

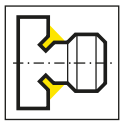
硬质合金牌号
Carbide grades

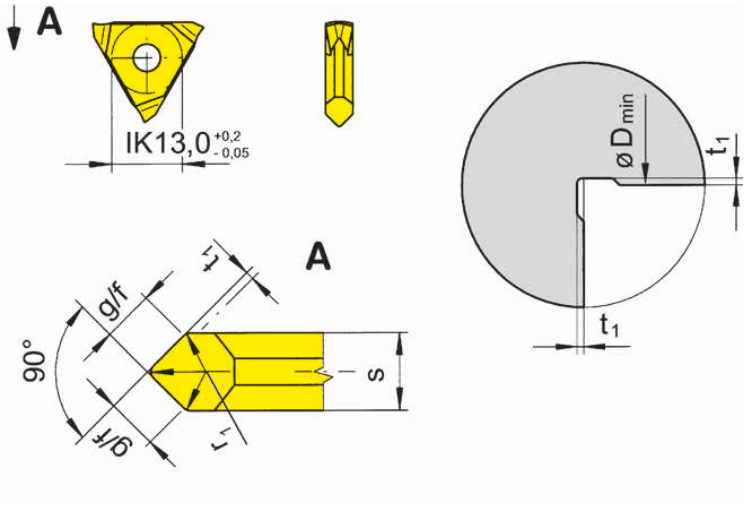
▲ 库存
on stock

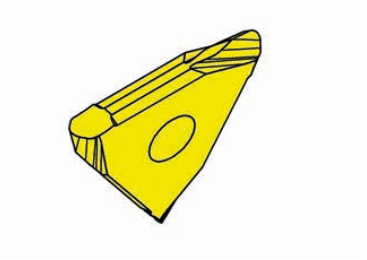
Δ 4周
4 weeks

产品型号 Part number	w	HIS		P20	EG52	TC92	TN32
R312.3031.33	3.29	31203N		▲	▲		▲
L312.3031.33	3.29	31203N		Δ	▲	Δ	▲
			P	●	●	●	●
			M	-	o	-	-
			K	-	-	-	-
			N	-	-	-	-
			S	-	-	-	-
			H	-	-	-	-

特殊的刀尖几何结构在径向和轴向右侧切槽时都有一个正切削角.
The special cutting geometry permits a positive chip breaking angle when keeping a straight and right angled cutting edge.





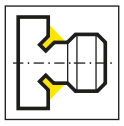


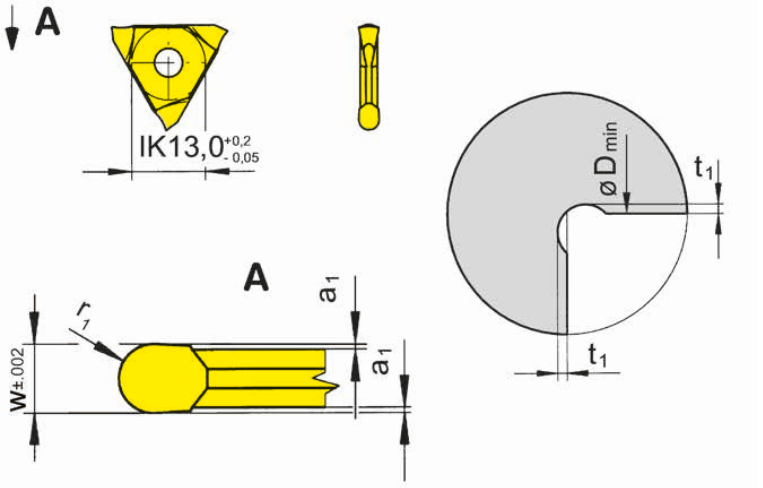
硬质合金牌号
Carbide grades

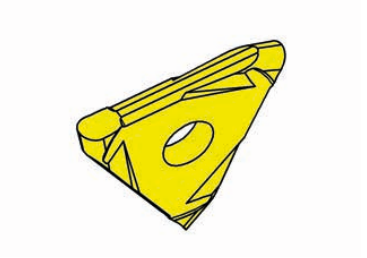
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	D_{min}	t_1	s	g/f	r_1	HIS		P20	AS62	EG52	TC92
312.0602.24	19	0.2	2.4	1.7	0.6	31202N		▲	▲	▲	▲
312.0603.33	23	0.3	3.3	2.3	0.6	31203N		▲		▲	
312.1002.30	20	0.2	3	2.1	1	31203N		▲		Δ	
312.1004.50	29	0.4	5	3.6	1	31204N		▲		▲	
312.1603.50	25	0.3	5	3.6	1.6	31204N		Δ		Δ	
							P	●	●	●	●
							M	-	-	o	-
							K	-	-	-	-
							N	-	-	-	-
							S	-	-	-	-
							H	-	-	-	-





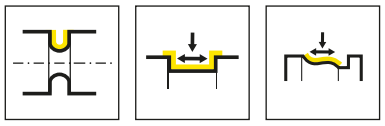


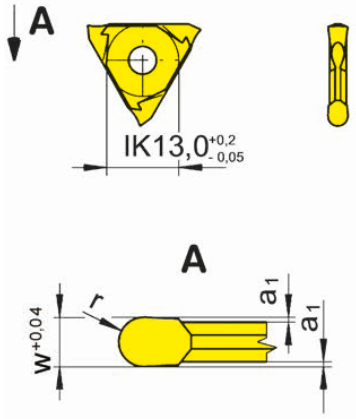
硬质合金牌号
Carbide grades

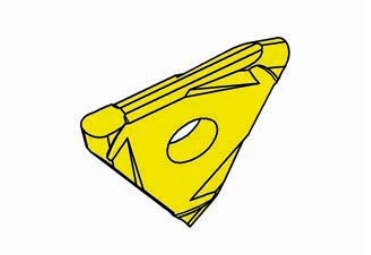
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	a_1	r_1	D_{min}	t_1	HIS	K10	P20	EG52	TC92	TF45	TN32	TN35
312.0010.20	2	0.2	1	22	0.7	31202N	▲	▲	▲	▲	Δ	▲	▲
312.0015.30	3	0.2	1.5	27	1	31202N	▲	▲	▲	▲		▲	
312.0020.40	4	0.2	2	30	1.2	31204N	▲	▲	▲	▲		▲	
312.0025.50	5	0.2	2.5	35	1.5	31204N		▲	▲	Δ		▲	
							P	●	●	●	●	●	●	●
							M	o	-	o	-	●	-	●
							K	●	-	-	-	●	-	●
							N	●	-	-	-	●	-	●
							S	o	-	-	-	●	-	●
							H	-	-	-	-	-	-	-







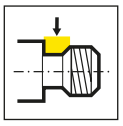
硬质合金牌号
Carbide grades

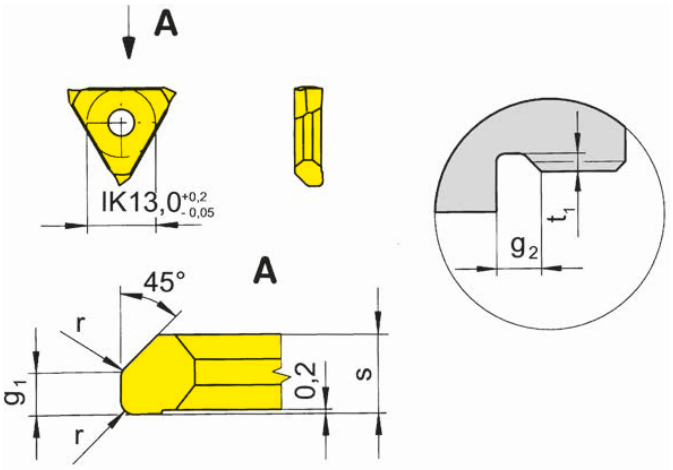
▲ 库存 on stock　　Δ 4周 4 weeks

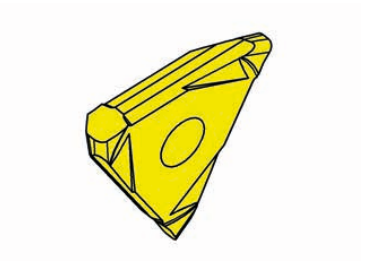
产品型号 Part number	w	a_1	r	HIS	P20	AS45	EG35	EG55	TF45	TH35	TI25	TN32	TN35
312.0050.02	0.5	0.07	0.25	31201N	▲	▲	▲					▲	
312.0100.05	1	0.09	0.5	31201N	▲	▲	▲			Δ		▲	Δ
312.0110.05	1.1	0.09	0.55	31201N		▲		Δ					
312.0120.06	1.2	0.2	0.6	31201N	▲	▲		▲				▲	
312.0140.07	1.4	0.2	0.7	31201N		▲		▲					
312.0160.08	1.6	0.25	0.8	31201N	▲	▲		▲				▲	
312.0180.09	1.8	0.25	0.9	31201N		▲		▲					
312.0200.10	2	0.25	1	31201N	▲	▲		▲	Δ		Δ	▲	
312.0220.11	2.2	0.25	1.1	31202N		▲		▲					
312.0250.12	2.5	0.25	1.25	31202N	▲	▲		Δ				▲	
312.0280.14	2.8	0.25	1.4	31202N		▲		Δ					
312.0300.15	3	0.25	1.5	31202N	▲	▲		▲				▲	
312.0360.18	3.6	0.25	1.8	31203N		▲		Δ					
312.0400.20	4	0.25	2	31203N	▲	▲		Δ				▲	
P					●	●	●	●	●	●	●	●	●
M					-	●	●	o	●	●	●	-	●
K					-	●	o	o	●	●	●	-	●
N					-	o	-	-	●	●	●	-	●
S					-	●	-	-	●	●	●	-	●
H					-	-	-	-	-	-	-	-	-

切宽1.6mm以上只推荐用于切槽
Width of groove up to 1,6 mm recommend only for grooving

O







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R = right hand version shown

L=左手型
L = left hand version

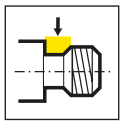
硬质合金牌号
Carbide grades

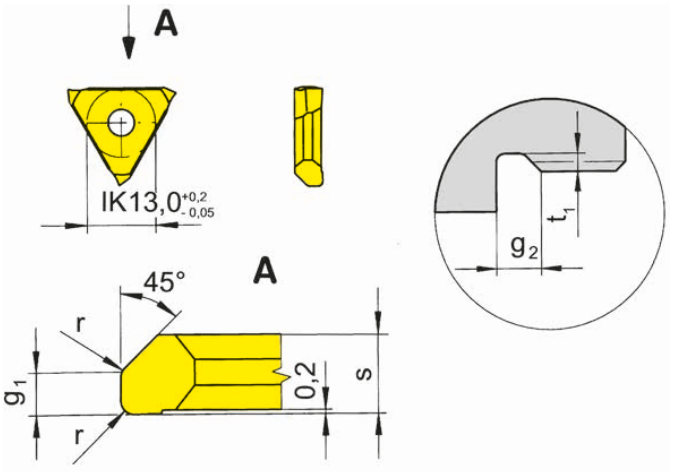
▲ 库存
on stock

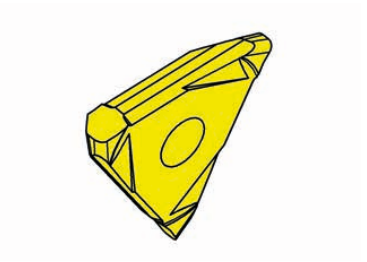
Δ 4周
4 weeks

产品型号 Part number	P	r	t_1	s	g_1	g_2	HIS	P20	EG55	TN35
R312.1050.17	0.5	0.2	0.4	1.7	0.6	1	31201N • 31201R	Δ	▲	▲
R312.1060.17	0.6	0.4	0.5	1.7	0.7	1.2	31201N • 31201R	Δ	Δ	Δ
R312.1070.17	0.7	0.4	0.55	1.7	0.85	1.4	31201N • 31201R	Δ	Δ	Δ
R312.1080.27	0.8	0.4	0.65	2.7	0.95	1.6	31202N • 31202R	Δ	▲	▲
R312.1100.27	1	0.6	0.8	2.7	1.2	2	31202N • 31202R	Δ	▲	▲
R312.1125.27	1.25	0.6	1	2.7	1.5	2.5	31202N • 31202R	Δ	▲	▲
R312.1150.37	1.5	0.8	1.15	3.7	1.85	3	31203N • 31203R	Δ	▲	▲
R312.1175.37	1.75	1	1.3	3.7	2.2	3.5	31203N • 31203R	Δ	Δ	Δ
R312.1200.53	2	1	1.5	5.3	2.5	4	31204N • 31204R	▲	Δ	Δ
R312.1250.53	2.5	1.2	1.8	5.3	3.2	5	31204N • 31204R	Δ	Δ	Δ
R312.1300.63	3	1.6	2.2	6.3	3.8	6	31204N • 31204R	Δ	Δ	Δ
L312.1050.17	0.5	0.2	0.4	1.7	0.6	1	31201N • 31201L	Δ	Δ	Δ
L312.1060.17	0.6	0.4	0.5	1.7	0.7	1.2	31201N • 31201L	Δ	Δ	Δ
L312.1070.17	0.7	0.4	0.55	1.7	0.85	1.4	31201N • 31201L	Δ	Δ	Δ
L312.1080.27	0.8	0.4	0.65	2.7	0.95	1.6	31202N • 31202L	Δ	Δ	▲
L312.1100.27	1	0.6	0.8	2.7	1.2	2	31202N • 31202L	Δ	Δ	Δ
L312.1125.27	1.25	0.6	1	2.7	1.5	2.5	31202N • 31202L	Δ	Δ	▲
L312.1150.37	1.5	0.8	1.15	3.7	1.85	3	31203N • 31203L	Δ	Δ	Δ
L312.1175.37	1.75	1	1.3	3.7	2.2	3.5	31203N • 31203L	Δ	Δ	Δ
L312.1200.53	2	1	1.5	5.3	2.5	4	31204N • 31204L	Δ	Δ	Δ
L312.1250.53	2.5	1.2	1.8	5.3	3.2	5	31204N • 31204L	Δ	Δ	Δ
L312.1300.63	3	1.6	2.2	6.3	3.8	6	31204N • 31204L	Δ		Δ

	P20	EG55	TN35
P	●	●	●
M	-	o	●
K	-	o	●
N	-	-	●
S	-	-	●
H	-	-	-







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

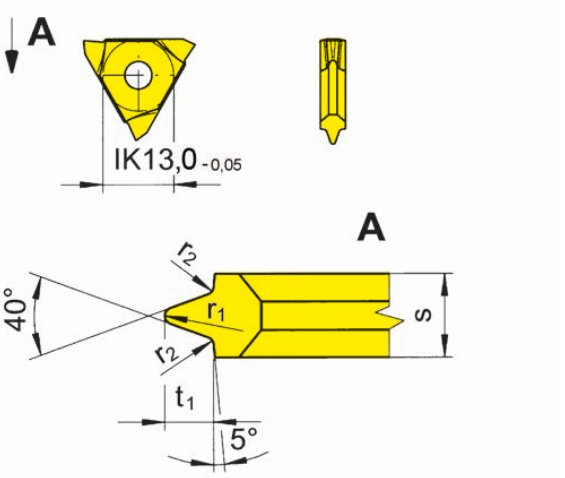
硬质合金牌号
Carbide grades

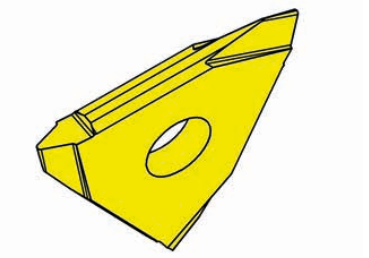
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	P	r	t_1	s	g_1	g_2	HIS	P20	EG55	TN35
R312.3050.17	0.5	0.2	0.4	1.7	1.1	1.5	31201N • 31201R		Δ	Δ
R312.3060.27	0.6	0.4	0.5	2.7	1.3	1.8	31202N • 31202R	Δ		▲
R312.3070.27	0.7	0.4	0.55	2.7	1.55	2.1	31202N • 31202R	Δ		Δ
R312.3080.27	0.8	0.4	0.65	2.7	1.75	2.4	31202N • 31202R	Δ	Δ	Δ
R312.3100.37	1	0.6	0.8	3.7	2.2	3	31203N • 31203R	Δ	▲	▲
R312.3125.53	1.25	0.6	1	5.3	2.8	3.8	31204N • 31204R		Δ	Δ
R312.3150.53	1.5	0.8	1.15	5.3	3.35	4.5	31204N • 31204R		▲	▲
R312.3175.56	1.75	1	1.3	5.6	4	5.3	31204N • 31204R		Δ	Δ
R312.3200.63	2	1	1.5	6.3	4.5	6	31204N • 31204R		Δ	Δ
L312.3050.17	0.5	0.2	0.4	1.7	1.1	1.5	31201N • 31201L	Δ	Δ	Δ
L312.3060.27	0.6	0.4	0.5	2.7	1.3	1.8	31202N • 31202L	Δ	▲	Δ
L312.3070.27	0.7	0.4	0.55	2.7	1.55	2.1	31202N • 31202L	Δ	Δ	Δ
L312.3080.27	0.8	0.4	0.65	2.7	1.75	2.4	31202N • 31202L	Δ	Δ	Δ
L312.3100.37	1	0.6	0.8	3.7	2.2	3	31203N • 31203L	Δ	Δ	Δ
L312.3125.53	1.25	0.6	1	5.3	2.8	3.8	31204N • 31204L	Δ	Δ	Δ
L312.3150.53	1.5	0.8	1.15	5.3	3.35	4.5	31204N • 31204L	Δ		Δ
L312.3175.56	1.75	1	1.3	5.6	4	5.3	31204N • 31204L	Δ	Δ	Δ
L312.3200.63	2	1	1.5	6.3	4.5	6	31204N • 31204L	Δ	Δ	Δ

P	●	●	●
M	-	o	●
K	-	o	●
N	-	-	●
S	-	-	●
H	-	-	-





硬质合金牌号
Carbide grades

▲ 库存
on stock

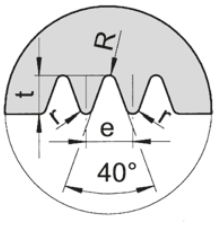
Δ 4周
4 weeks

产品型号 Part number	r_2	t_1	s	r_1	HIS	P20	EG52	TN32
312.0223.23	0.2	2.3	2.34	0.25	31202N	Δ	▲	Δ
312.0223.30	0.2	2.3	3	0.25	31203N	▲	▲	▲

P	●	●	●
M	-	o	-
K	-	-	-
N	-	-	-
S	-	-	-
H	-	-	-

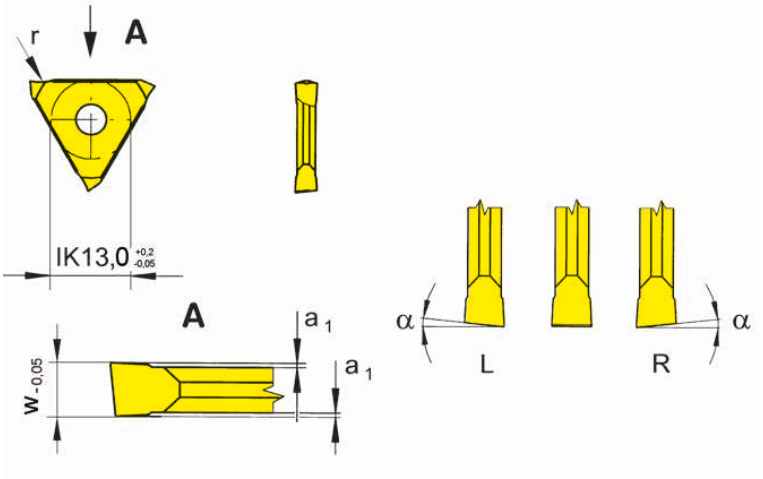
312.0223.23刀片用于多槽切削 312.0223.30刀片用于单槽切削
Insert 312.0223.23 for multi grooving Insert 312.0223.30 for single grooving

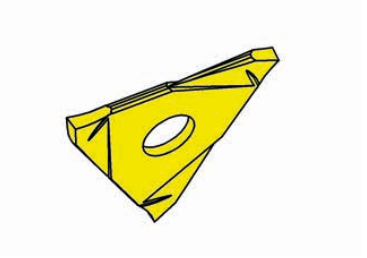
槽型:
J型复合V形皮带轮槽
Shape of groove:
Poly-V-belt grooves profile „J“



e	t		R		r
±0,25	max	min	max	min	
2,34	2,34	2,08	0,38	0,25	0,2

.00





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硬质合金牌号
Carbide grades

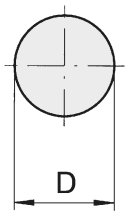
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	α	a_1	HIS
R312.0614.00	1.44	6°	0.2	31201N
L312.0614.00	1.44	6°	0.2	31201N

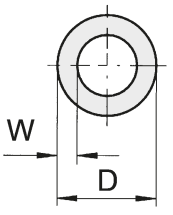
	EG35	TF45	TF46	TI25	TN35
	▲	▲	▲	▲	▲
	▲	▲	Δ	▲	▲
P	●	●	●	●	●
M	●	●	o	●	●
K	o	●	●	●	●
N	-	●	●	●	●
S	-	●	o	●	●
H	-	-	-	-	-

实心棒料切断
Parting off solid bars



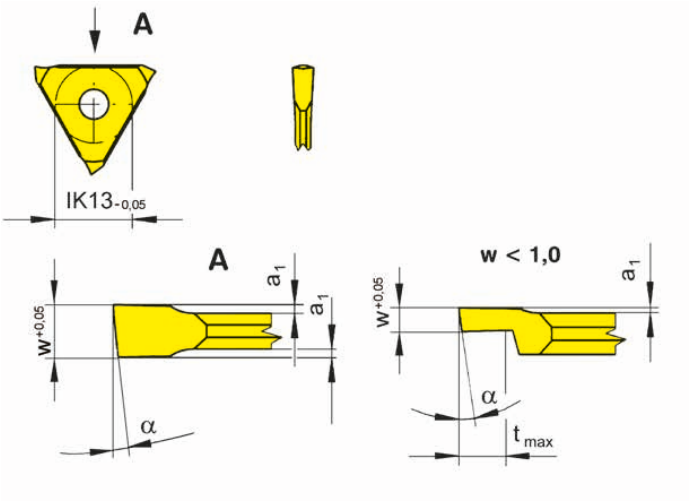
D 可达/up to 11 mm

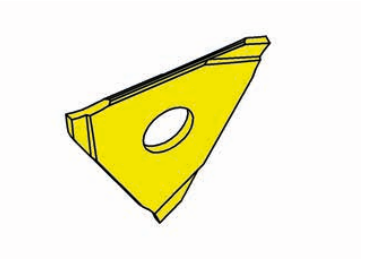
管材切断
Parting off tubes



D ≥50 可达/up to W≈5 mm
D≤ 50 可达/up to W≈4 mm

.00





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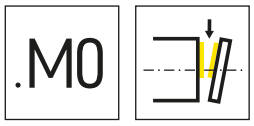
L = left hand version

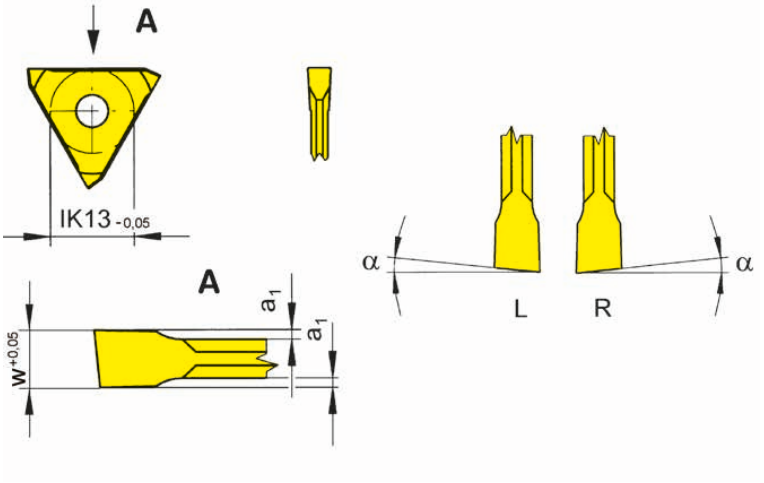
硬质合金牌号
Carbide grades

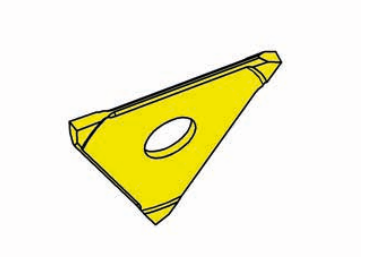
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	t_{max}	α	a_1	HIS		EG35	TF45	TI25	TN35
R312.0805.00	0.5	1	8°	0.1	31208N		▲	▲		
R312.0808.00	0.8	1.5	8°	0.1	31208N		▲	▲		
R312.0510.00	1	8	5°	0.1	31208N		▲	▲		
R312.1210.00	1	8	12°	0.1	31208N		▲	▲	Δ	▲
R312.0512.00	1.2	8	5°	0.2	31208N		▲	▲		
R312.0515.00	1.5	8	5°	0.2	31211N		▲	▲		
L312.0805.00	0.5	1	8°	0.1	31208N		▲	▲		
L312.0808.00	0.8	1.5	8°	0.1	31208N		▲	▲		
L312.0510.00	1	8	5°	0.1	31208N		▲	▲		
L312.1210.00	1	8	12°	0.1	31208N		▲	▲	Δ	▲
L312.0512.00	1.2	8	5°	0.2	31208N		▲	▲		
L312.0515.00	1.5	8	5°	0.2	31211N		▲	▲		
						P	●	●	●	●
						M	●	●	●	●
						K	o	●	●	●
						N	-	●	●	●
						S	-	●	●	●
						H	-	-	-	-







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

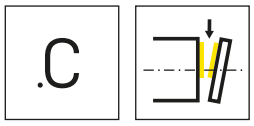
硬质合金牌号
Carbide grades

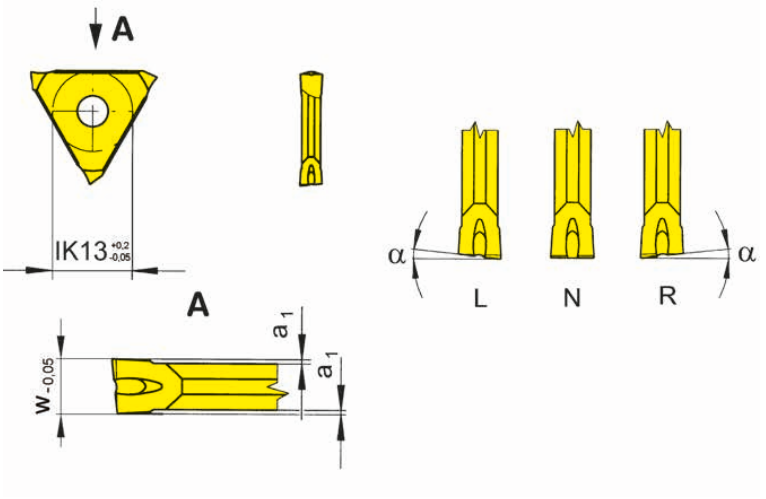
▲ 库存
on stock

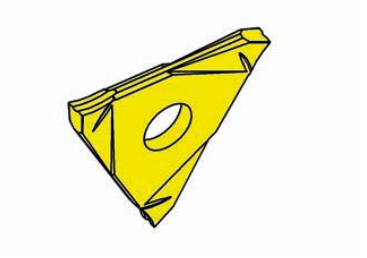
Δ 4周
4 weeks

产品型号 Part number	w	t_{max}	α	a_1	HIS		K10	EG35	TF45
R312.0512.M0	1.2	8	5°	0.2	31208N		Δ	▲	▲
R312.0515.M0	1.5	8	5°	0.2	31211N		▲	▲	▲
L312.0512.M0	1.2	8	5°	0.2	31208N		Δ		▲
L312.0515.M0	1.5	8	5°	0.2	31211N		Δ	Δ	▲
						P	●	●	●
						M	o	●	●
						K	●	o	●
						N	●	-	●
						S	o	-	●
						H	-	-	-

O







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

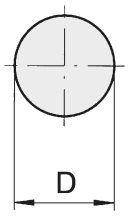
硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

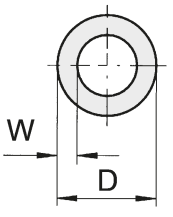
产品型号 Part number	w	α	a_1	HIS	MG12	P20	EG55	TC92	TF45	TN32	TN35
R312.0514.00	1.44	5°	0.2	31201N • 31202N • 31201R • 31202R		Δ	Δ		▲		
R312.0518.00	1.99	5°	0.2	31202N • 31202R		▲	▲	Δ		▲	▲
R312.0521.00	2.29	5°	0.2	31202N • 31202R	Δ	Δ	▲	Δ		▲	▲
L312.0514.00	1.44	5°	0.2	31201N • 31202N • 31201R • 31202R		Δ	Δ		Δ		
L312.0518.00	1.99	5°	0.2	31202N • 31202R		▲	▲	Δ		▲	▲
L312.0521.00	2.29	5°	0.2	31202N • 31202R	Δ	▲	Δ	Δ		▲	▲
N312.0014.00	1.44	0°	0.2	31202N			▲	Δ	▲		
N312.0018.00	1.99	0°	0.2	31202N			▲	Δ	▲	Δ	Δ
N312.0021.00	2.29	0°	0.2	31202N		Δ		Δ			▲
P					o	●	●	●	●	●	●
M					-	-	o	-	●	-	●
K					-	-	o	-	●	-	●
N					-	-	-	-	●	-	●
S					-	-	-	-	●	-	●
H					-	-	-	-	-	-	-

实心棒料切断
Parting off solid bars



D 可达/up to 10 mm

管材切断
Parting off tubes



D ≥50 可达/up to W≈5 mm
D≤ 50 可达/up to W≈4 mm

P

315

刀杆和刀片

槽宽0.5 - 8 mm

Toolholder and Inserts

Width of groove 0,5 - 8 mm

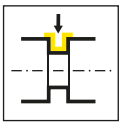
切槽和螺纹切削
Grooving and Threading

P

槽型及进给
Geometries and feed rates

页/Page
429-430

刀杆
Toolholder
356/357/333



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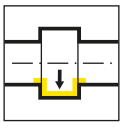
431-439



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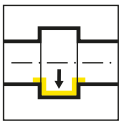
刀夹
Cartridge
357



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外形尺寸 刀夹 型号
Seating Dimensions

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442

可转位刀片
Indexable insert
315/S315

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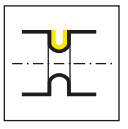

页/Page
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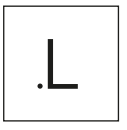

页/Page
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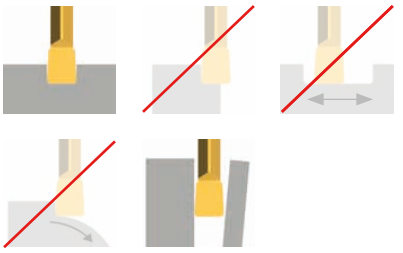
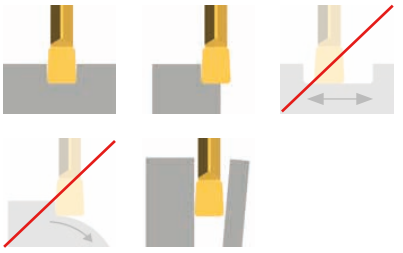
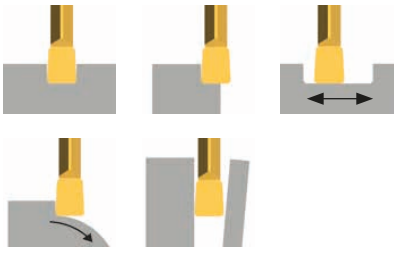
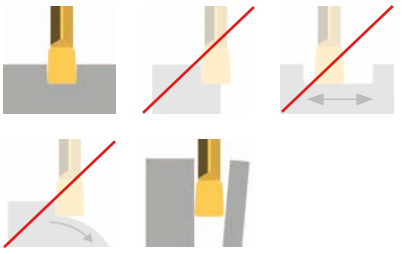
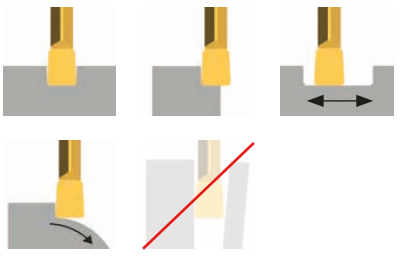
基本规格 型号
Basic sizes

页/Page
448

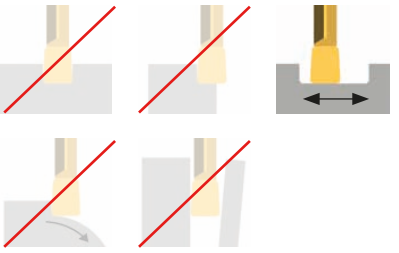
槽型及进给
Geometries and feed rates

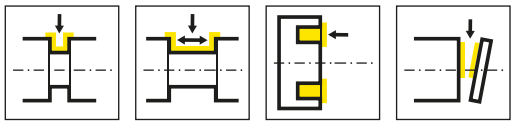
P

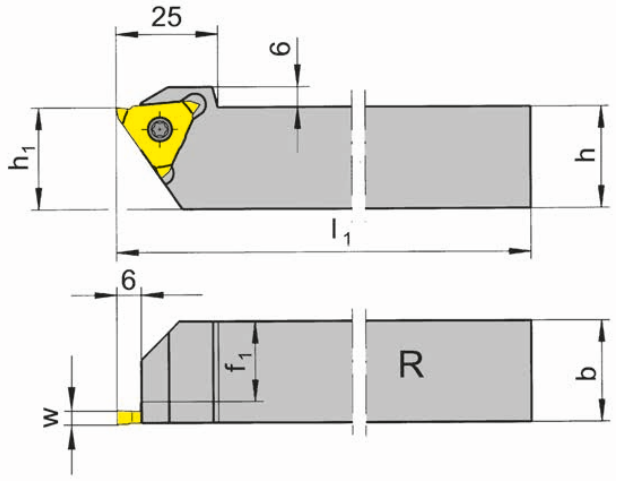
槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.00	P M K N S H	↓ 0.02-0.12	
.EN	P M K N S H	↓ 0.10-0.45	
.FL	P M K N S H	↓ 0.03-0.15	
.FY	P M K N S H	↓ 0.03-0.15	
.L	P M K N S H	↓ 0.10-0.22 ↔ 0.05-0.20	

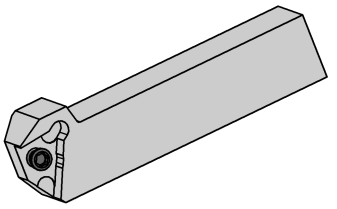
槽型及进给
Geometries and feed rates

P

槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.FB	P M K N S H	↓ 0.02-0.10 ↔ 0.0015-0.07	







R=右手型-如图
R = right hand version shown

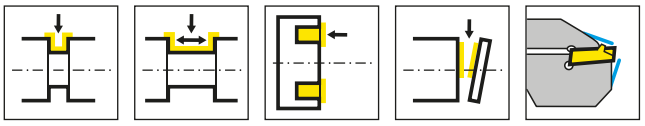
L=左手型
L = left hand version

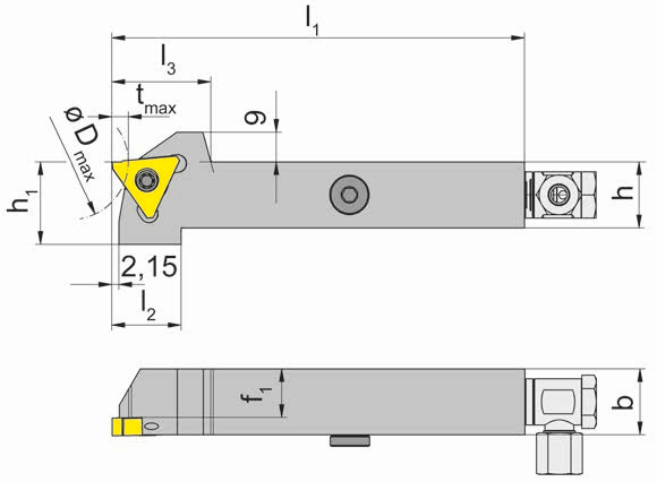
产品型号 Part number	h	b	l_1	h_1	f_1	HWS
R356.1212.03	12	12	100	20	9	31503R
R356.1616.03	16	16	125	20	13	31503R
R356.2020.03	20	20	125	20	17	31503R
R356.2525.03	25	25	150	25	22	31503R
R356.3232.03	32	32	170	32	29	31503R
R356.1212.05	12	12	100	20	6.8	31505R
R356.1616.05	16	16	125	20	10.8	31505R
R356.2020.05	20	20	125	20	14.8	31505R
R356.2525.05	25	25	150	25	19.8	31505R
R356.3232.05	32	32	170	32	26.8	31505R
R356.2020.07	20	20	125	20	13	31507R
R356.2525.07	25	25	150	25	18	31507R
R356.3232.07	32	32	170	32	25	31507R
L356.1212.03	12	12	100	20	9	31503L
L356.1616.03	16	16	125	20	13	31503L
L356.2020.03	20	20	125	20	17	31503L
L356.2525.03	25	25	150	25	22	31503L
L356.3232.03	32	32	170	32	29	31503L
L356.1212.05	12	12	100	20	6.8	31505L
L356.1616.05	16	16	125	20	10.8	31505L
L356.2020.05	20	20	125	20	14.8	31505L
L356.2525.05	25	25	150	25	19.8	31505L
L356.3232.05	32	32	170	32	26.8	31505L
L356.2020.07	20	20	125	20	13	31507L
L356.2525.07	25	25	150	25	18	31507L
L356.3232.07	32	32	170	32	25	31507L

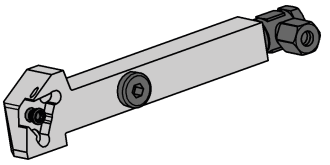
配件
Spare Parts

w见刀片
w see indexable inserts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/L356.1212.03	**5.10T20P**	**T20PQ**
R/L356...05/...1616.03	**5.12T20P**	**T20PQ**
R/L356.1212.05	**030.511P.1176**	**T20PQ**
R/L356...07	**5.15T20P**	**T20PQ**







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R = right hand version shown

L=左手型
L = left hand version

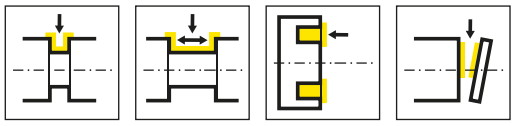
产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	HWS
R356.1616.0.13.IK	16	16	125	22	28	21	13	31503R
R356.2020.0.13.IK	20	20	125	21	30	25	17	31503R
R356.2525.0.13.IK	25	25	150	21	30	30	22	31503R
R356.1616.0.15.IK	16	16	125	22	28	21	10.8	31505R
R356.2020.0.15.IK	20	20	125	21	30	25	14.8	31505R
R356.2525.0.15.IK	25	25	150	21	30	30	19.8	31505R
L356.1616.0.13.IK	16	16	125	22	28	21	13	31503L
L356.2020.0.13.IK	20	20	125	21	30	25	17	31503L
L356.2525.0.13.IK	25	25	150	21	30	30	22	31503L
L356.1616.0.15.IK	16	16	125	22	28	21	10.8	31505L
L356.2020.0.15.IK	20	20	125	21	30	25	14.8	31505L
L356.2525.0.15.IK	25	25	150	21	30	30	19.8	31505L

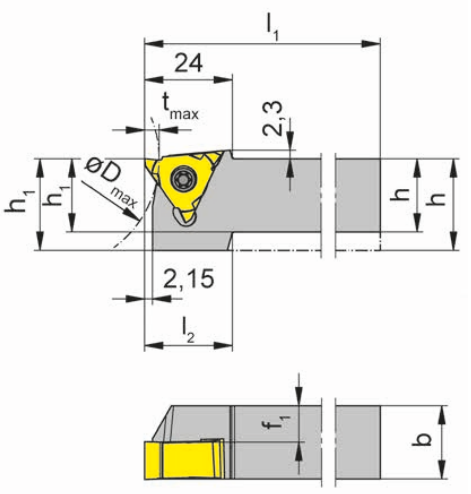
切槽深度与外径ø的关系
Depth of groove in relation to outer ø

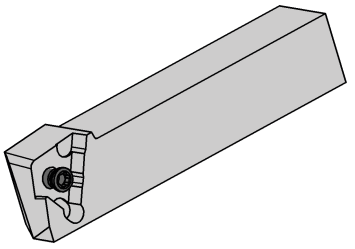
Dmax	tmax
35	5
50	4,5
75	4
125	3,5
200	3

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**冷却液供应** Coolant supply	**TORX PLUS®扳手** TORX PLUS® Wrench	**螺钉** Screw Plug
R/L356...	**5.12T20P**	**004.00.16**	**T20PQ**	**004.00.26**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

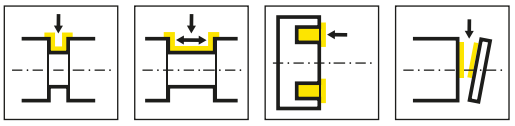
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	HWS
R356.1616.13	16	16	125	21	20	13	31503R
R356.2020.13	20	20	125	-	20	17.1	31503R
R356.2525.13	25	25	150	-	25	22.1	31503R
R356.1616.15	16	16	125	21	20	10.8	31505R
R356.2020.15	20	20	125	21	20	14.8	31505R
R356.2525.15	25	25	150	-	25	19.8	31505R
R356.1616.16	16	16	125	-	20	10	31506R
R356.2020.16	20	20	125	21	25	14	31506R
R356.2525.16	25	25	150	-	25	19	31506R
R356.2020.17	20	20	125	21	25	13	31507R
R356.2525.17	25	25	150	-	25	18	31507R
R356.2020.10	20	20	125	21	25	10	31510R
L356.1616.13	16	16	125	21	20	13	31503L
L356.2020.13	20	20	125	-	20	17.1	31503L
L356.2525.13	25	25	150	-	25	22.1	31503L
L356.1616.15	16	16	125	21	20	10.8	31505L
L356.2020.15	20	20	125	21	20	14.8	31505L
L356.2525.15	25	25	150	-	25	19.8	31505L
L356.1616.16	16	16	125	-	20	10	31506L
L356.2020.16	20	20	125	21	25	14	31506L
L356.2525.16	25	25	150	-	25	19	31506L
L356.2020.17	20	20	125	21	25	13	31507L
L356.2525.17	25	25	150	-	25	18.1	31507L
L356.2020.10	20	20	125	21	25	10	31510L

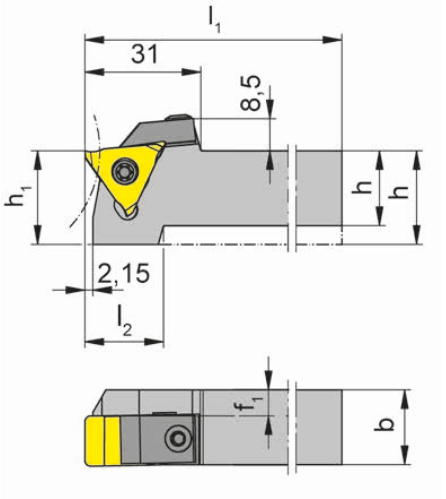
配件
Spare Parts

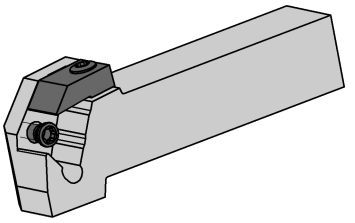
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/L356...13/...15/...1616.16	**5.12T20P**	**T20PQ**
R/L356....10/...16/...17	**5.15T20P**	**T20PQ**

切槽深度与外径ø的关系
Depth of groove in relation to outer ø

Dmax	tmax
35	5
50	4,5
75	4
125	3,5
200	3







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

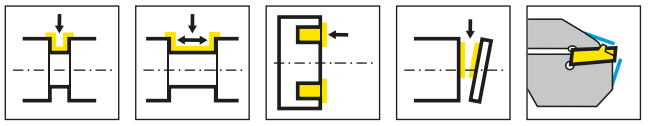
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	HWS
R356.2020.2.13	20	20	125	21	25	7	31513R
R356.2525.2.13	25	25	150	-	25	12	31513R
L356.2020.2.13	20	20	125	21	25	7	31513L
L356.2525.2.13	25	25	150	-	25	12	31513L

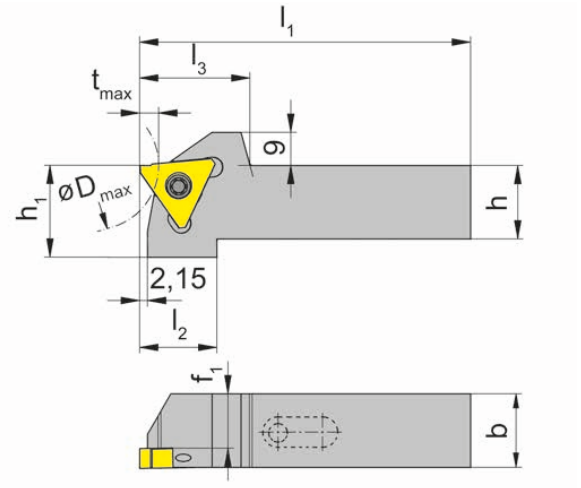
切槽深度与外径ø的关系
Depth of groove in relation to outer ø

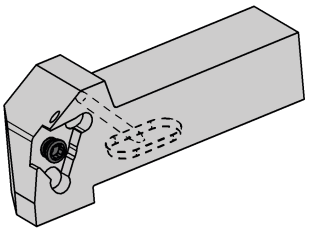
Dmax	tmax
30	5
40	4,5
60	4
115	3,5
185	3

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**压板** Clamping element	**TORX PLUS®扳手** TORX PLUS® Wrench
R/L356.2020.2.13	**5.12T20P**	**010.2013.0468**	**T20PQ**
R/L356.2525.2.13	**5.15T20P**	**010.2013.0468**	**T20PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	HWS
R356.1616.2.13.IK	16	16	75	22	28	21	13	31503R
R356.2020.2.13.IK	20	20	90	21	30	25	17	31503R
R356.2525.2.13.IK	25	25	105	21	30	30	22	31503R
R356.1616.2.15.IK	16	16	75	22	28	21	10.8	31505R
R356.2020.2.15.IK	20	20	90	21	30	25	14.8	31505R
R356.2525.2.15.IK	25	25	105	21	30	30	19.8	31505R
L356.1616.2.13.IK	16	16	75	22	28	21	13	31503L
L356.2020.2.13.IK	20	20	90	21	30	25	17	31503L
L356.2525.2.13.IK	25	25	105	21	30	30	22	31503L
L356.1616.2.15.IK	16	16	75	22	28	21	10.8	31505L
L356.2525.2.15.IK	25	25	105	21	30	30	19.8	31505L

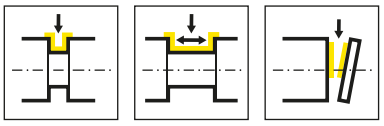
w见刀片
w see indexable inserts

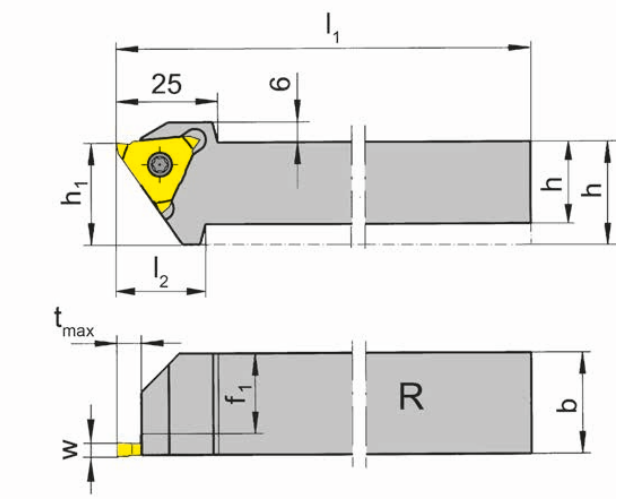
切槽深度与外径ø的关系
Depth of groove in relation to outer ø

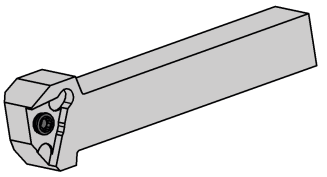
Dmax	tmax
35	5
50	4,5
75	4
125	3,5
200	3

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/L356...	**5.12T20P**	**T20PQ**







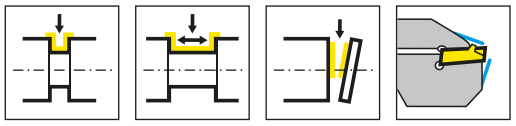
R=右手型-如图
R = right hand version shown

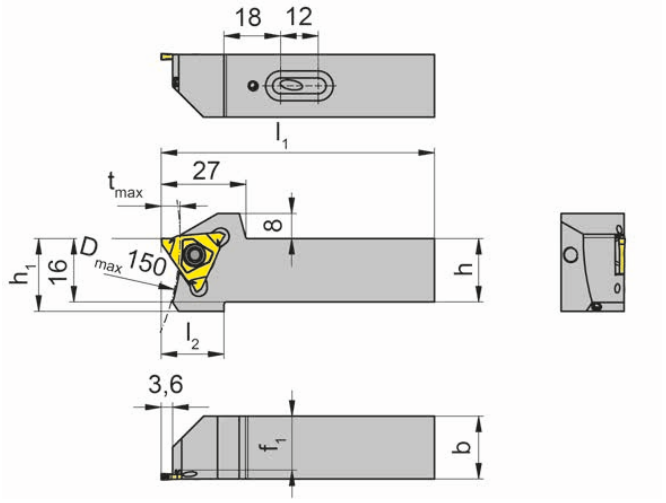
L=左手型
L = left hand version

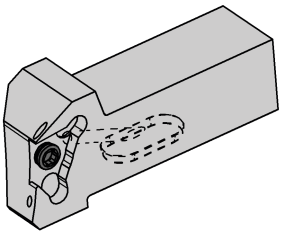
产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	t_{max}	HWS
R356.1212.S.03	12	12	100	20	25	20	9.2	5.5	S31503R
R356.1616.S.03	16	16	125	20	25	20	13.2	5.5	S31503R
R356.2020.S.03	20	20	125	-	25	20	17.2	5.5	S31503R
R356.2525.S.03	25	25	150	-	25	25	22.2	5.5	S31503R
L356.1212.S.03	12	12	100	20	25	20	9.2	5.5	S31503L
L356.1616.S.03	16	16	125	20	25	20	13.2	5.5	S31503L
L356.2020.S.03	20	20	125	-	25	20	17.2	5.5	S31503L
L356.2525.S.03	25	25	150	-	25	25	22.2	5.5	S31503L

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/L356.1212.S.03	**5.10T20P**	**T20PQ**
R/L356...	**5.12T20P**	**T20PQ**







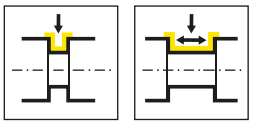
R=右手型-如图
R = right hand version shown

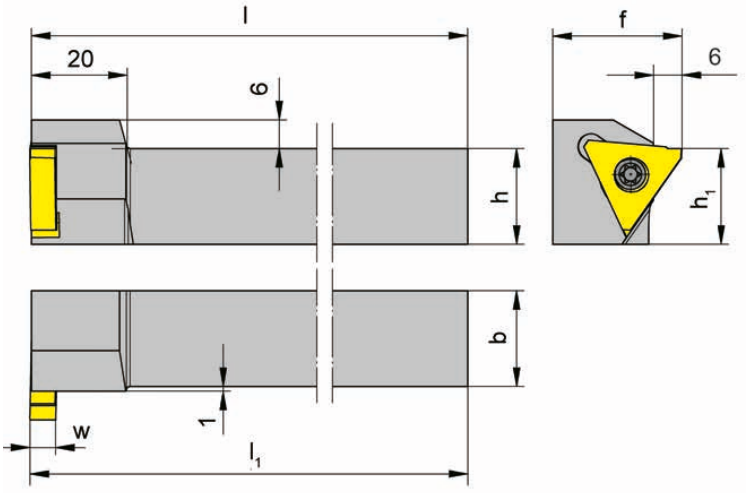
L=左手型
L = left hand version

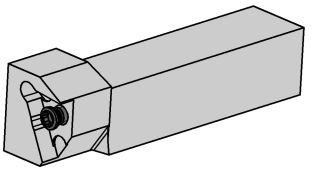
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	t_{max}	HWS
R356.2020.S.4.03.IK	20	20	87	20	23	17.2	6	S31503R
R356.2525.S.4.03.IK	25	25	104	20	28	22.2	6	S31503R
L356.2020.S.4.03.IK	20	20	87	20	23	17.2	6	S31503L
L356.2525.S.4.03.IK	25	25	104	20	28	22.2	6	S31503L

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/L356...	**5.12T20P**	**T20PQ**







R=右手型-如图
R = right hand version shown

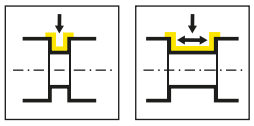
L=左手型
L = left hand version

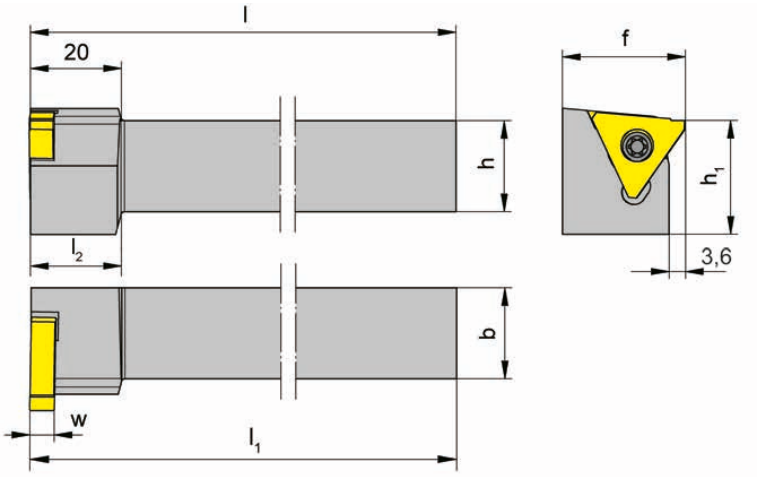
产品型号 Part number	h	b	l_1	l	h_1	f	HWS
R357.2020.05	20	20	125.3	125	20	27	31505L
R357.2525.05	25	25	150.3	150	25	32	31505L
L357.2020.05	20	20	125.3	125	20	27	31505R
L357.2525.05	25	25	150.3	150	25	32	31505R

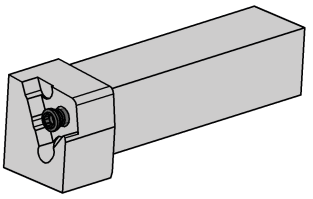
w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/L357...	**5.12T20P**	**T20PQ**







R=右手型-如图
R = right hand version shown

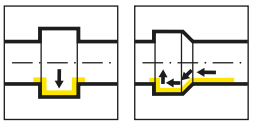
L=左手型
L = left hand version

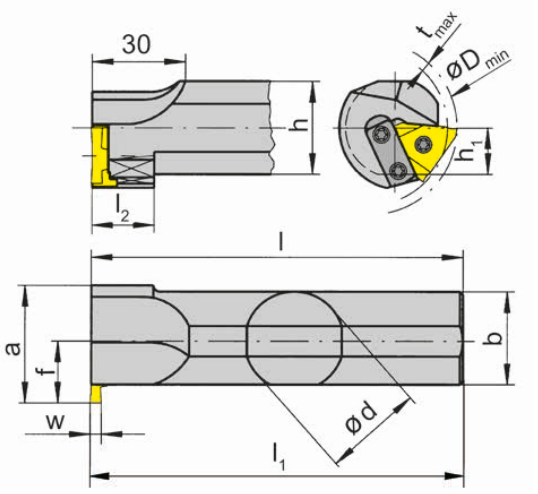
产品型号 Part number	h	b	l_1	l	l_2	h_1	f	HWS
R357.2020.15	20	20	125.3	125	20	25	27	31505L
R357.2525.15	25	25	150.3	150	-	25	32	31505L
L357.2020.15	20	20	125.3	125	20	25	27	31505R
L357.2525.15	25	25	150.3	150	-	25	32	31505R

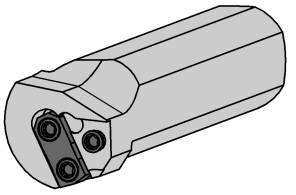
w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/L357...	**5.12T20P**	**T20PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	d	l	l_1	l_2	h	a	h_1	f	D_{min}	b	HWS
R333.0025.03	25	170	170.3	20	23	38	11.5	20	43	25	31503L
R333.0032.03	32	200	200.3	20	30	38	15	20	43	30	31503L
R333.0025.05	25	170	170.3	20	23	38	11.5	20	43	25	31505L
R333.0032.05	32	200	200.3	20	30	38	15	20	43	30	31505L
R333.0040.05	40	250	250.3	-	38	44	19	24	45	38	31505L
L333.0025.03	25	170	170.3	20	23	38	11.5	20	43	25	31503R
L333.0032.03	32	200	200.3	20	30	38	15	20	43	30	31503R
L333.0025.05	25	170	170.3	20	23	38	11.5	20	43	25	31505R
L333.0032.05	32	200	200.3	20	30	38	15	20	43	30	31505R
L333.0040.05	40	250	250.3	-	38	44	19	24	45	38	31505R

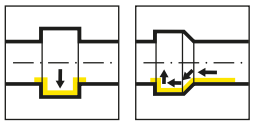
w见刀片
w see indexable inserts

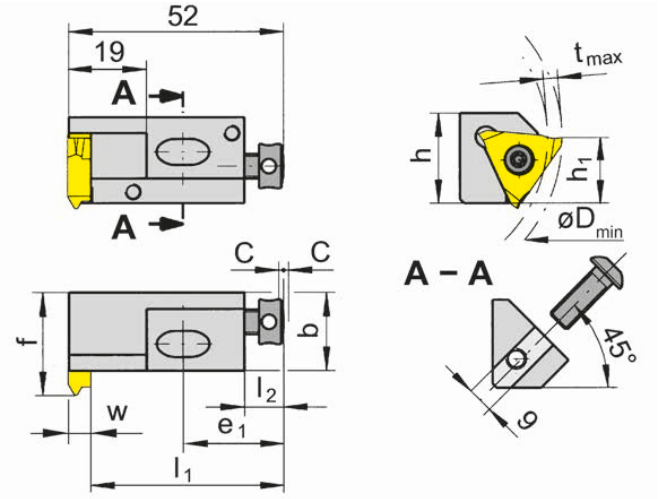
切槽深度与孔径ø的关系
Depth of groove in relation to bore ø

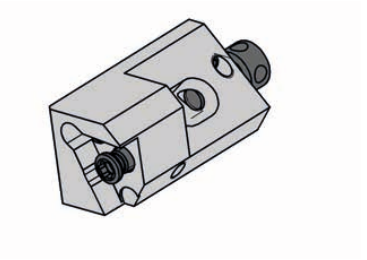
Dmin	tmax
43	1,8
46	2
50	3
60	4
80	4,5
100	5

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/L333...	**5.12T20P**	**T20PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	h_1	f	l_1	E_1	l_2	C	HWS	HMS
R357.1619.05	21	19	16	25	46.8	24	9	2	31505L	021001R
L357.1619.05	21	19	16	25	46.8	24	9	2	31505R	021001L

w见刀片
w see indexable inserts

基座尺寸见下一页
Dimensions of seating see following page

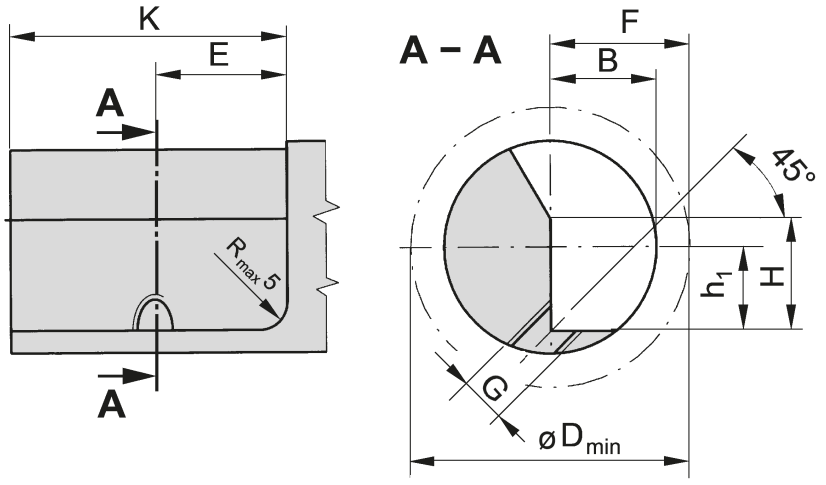
切槽深度与孔径ø的关系
Depth of groove in relation to bore ø

Dmin	tmax
50	3
60	4
80	4,5
100	5

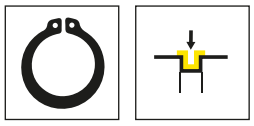
配件
Spare Parts

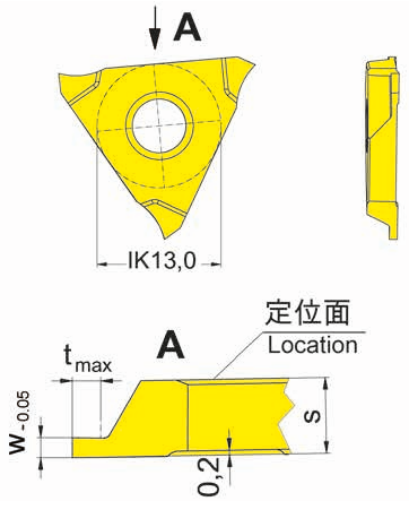
刀夹 Cartridge	锁紧螺钉 Clamping Screw	螺钉 Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/L357.1619.05	**4.08.913**	**6.12.020**	**T20PQ**

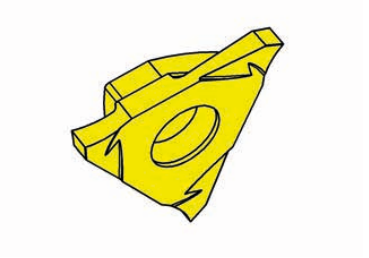
外形尺寸 刀夹 型号
Seating Dimensions Cartridge



刀夹 Cartridge	F	G	H	K	E	B	h_1	D_{min}	HWS	HMS	紧固螺钉 Fastening screw
R/L357.1619.05	25	M8	21	50	24	19	16	50	31505R	021001L	8.25.351







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

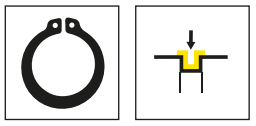
Δ 4周
4 weeks

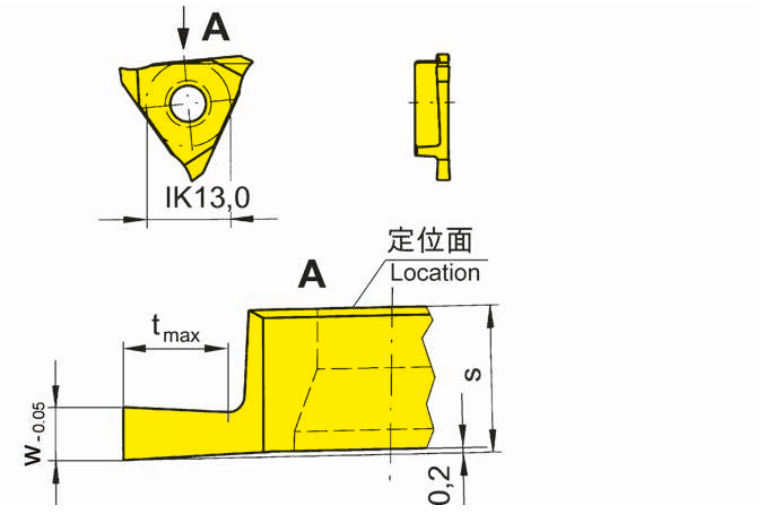
产品型号 Part number	w	Nw	t_{max}	s	HIS		TN32
R315.0034.32.00	0.34	0.3	0.6	3.2	31503R		Δ
R315.0044.32.00	0.44	0.4	0.7	3.2	31503R		Δ
R315.0050.32.00	0.57	0.5	0.7	3.2	31503R		▲
R315.0060.32.00	0.67	0.6	0.8	3.2	31503R		Δ
R315.0070.32.00	0.77	0.7	1.1	3.2	31503R		▲
R315.0080.32.00	0.87	0.8	1.2	3.2	31503R		▲
R315.0090.32.00	0.97	0.9	1.4	3.2	31503R		Δ
R315.0100.32.00	1.07	1	1.6	3.2	31503R		▲
L315.0034.32.00	0.34	0.3	0.6	3.2	31503L		Δ
L315.0044.32.00	0.44	0.4	0.7	3.2	31503L		Δ
L315.0050.32.00	0.57	0.5	0.7	3.2	31503L		Δ
L315.0060.32.00	0.67	0.6	0.8	3.2	31503L		Δ
L315.0070.32.00	0.77	0.7	1.1	3.2	31503L		Δ
L315.0080.32.00	0.87	0.8	1.2	3.2	31503L		Δ
L315.0090.32.00	0.97	0.9	1.4	3.2	31503L		Δ
L315.0100.32.00	1.07	1	1.6	3.2	31503L		Δ

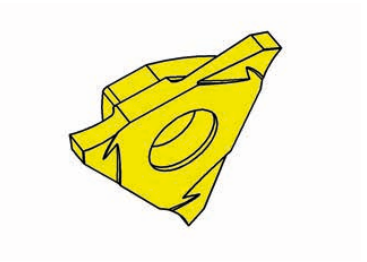
外圆加工：
右手型刀片配合右手型356系列刀杆,左手型刀片配合左手型356系列刀杆。
External machining:
Right hand insert in right hand toolholder 356, left hand insert in left hand toolholder 356.

P	●
M	-
K	-
N	-
S	-
H	-

P







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

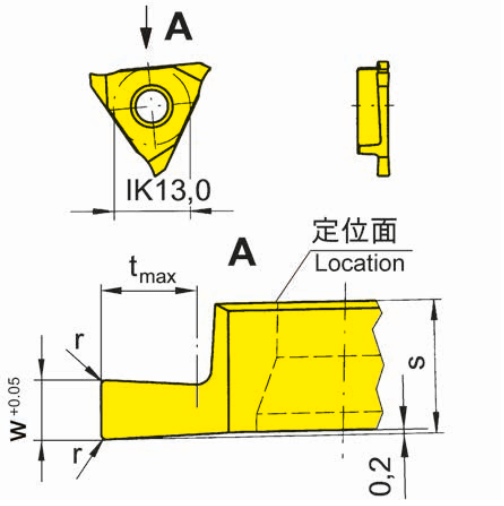
Δ 4周
4 weeks

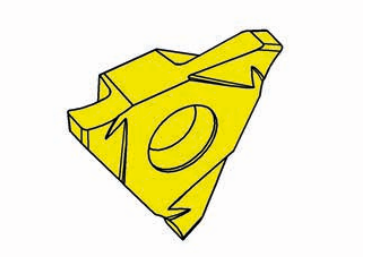
产品型号 Part number	w	Nw	t_{max}	s	HIS	AL96	AS42	AS46	TC92	TF45	TN35
R315.0110.00	1.24	1.1	2	5.4	31505R	Δ	Δ		Δ	▲	▲
R315.0130.00	1.44	1.3	2	5.4	31505R	Δ	Δ		Δ	▲	▲
R315.0160.00	1.74	1.6	3	5.4	31505R	Δ	Δ	Δ	Δ	Δ	▲
R315.0185.00	1.99	1.85	3	5.4	31505R		Δ		Δ	Δ	▲
R315.0215.00	2.29	2.15	4	5.4	31505R		▲		Δ	Δ	▲
R315.0265.00	2.79	2.65	4	5.4	31505R		Δ		Δ	Δ	▲
R315.0315.00	3.29	3.15	5	5.4	31505R	Δ	Δ		Δ	▲	▲
R315.0415.00	4.29	4.15	5	5.4	31505R	Δ			Δ	▲	▲
L315.0110.00	1.24	1.1	2	5.4	31505L	Δ	Δ		Δ	Δ	▲
L315.0130.00	1.44	1.3	2	5.4	31505L	Δ	Δ		Δ	▲	▲
L315.0160.00	1.74	1.6	3	5.4	31505L	Δ	Δ		Δ	Δ	▲
L315.0185.00	1.99	1.85	3	5.4	31505L	Δ			Δ	Δ	▲
L315.0215.00	2.29	2.15	4	5.4	31505L	Δ	Δ		Δ	Δ	▲
L315.0265.00	2.79	2.65	4	5.4	31505L	Δ	Δ		Δ	Δ	▲
L315.0315.00	3.29	3.15	5	5.4	31505L	Δ	Δ		Δ		▲
L315.0415.00	4.29	4.15	5	5.4	31505L		Δ		Δ		▲
L315.0515.00	5.29	5.15	5	5.4	31505L						

P	●	●	o	●	●	●
M	-	●	o	-	●	●
K	●	●	●	-	●	●
N	●	●	o	-	●	●
S	-	●	o	-	●	●
H	-	-	-	-	-	-

外圆加工：
右手型刀片配合右手型356系列刀杆,左手型刀片配合左手型356系列刀杆。
External machining:
Right hand insert in right hand toolholder 356, left hand insert in left hand toolholder 356.

内圆加工：
左手型333/357系列刀杆配合右手型刀片,右手型333/357刀杆配合左手型刀片。
Internal machining:
Right hand insert in left hand toolholder 333/357, left hand insert in right hand toolholder 333/357.





R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	t_{max}	s	HIS	AL96	AS42	AS45	AS46	TC92	TF45	TN35
R315.0200.02	2	0.2	3	5.4	31505R	Δ	▲		Δ	Δ	Δ	▲
R315.0200.04	2	0.4	3	5.4	31505R	Δ	Δ			Δ	Δ	▲
R315.0300.02	3	0.2	4	5.4	31505R	Δ	▲			Δ	Δ	▲
R315.0300.04	3	0.4	4	5.4	31505R	Δ	Δ		Δ	Δ	Δ	▲
R315.0400.02	4	0.2	5	5.4	31505R		Δ					Δ
R315.0400.04	4	0.4	5	5.4	31505R		Δ					▲
R315.0500.02	5	0.2	5	5.4	31505R			Δ				
R315.0600.04	6	0.4	5	6.4	31506R			Δ				
R315.0800.04	8	0.4	5	8.4	31507R			Δ				
L315.0200.02	2	0.2	3	5.4	31505L	Δ	▲			Δ	Δ	▲
L315.0200.04	2	0.4	3	5.4	31505L	Δ	Δ			Δ	Δ	Δ
L315.0300.02	3	0.2	4	5.4	31505L	Δ	Δ			Δ	Δ	▲
L315.0300.04	3	0.4	4	5.4	31505L	Δ	Δ			Δ	Δ	▲
L315.0400.02	4	0.2	5	5.4	31505L		Δ					▲
L315.0400.04	4	0.4	5	5.4	31505L		Δ					▲
L315.0500.02	5	0.2	5	5.4	31505L			Δ				
L315.0600.04	6	0.4	5	6.4	31506L			▲				
L315.0800.04	8	0.4	5	8.4	31507L							

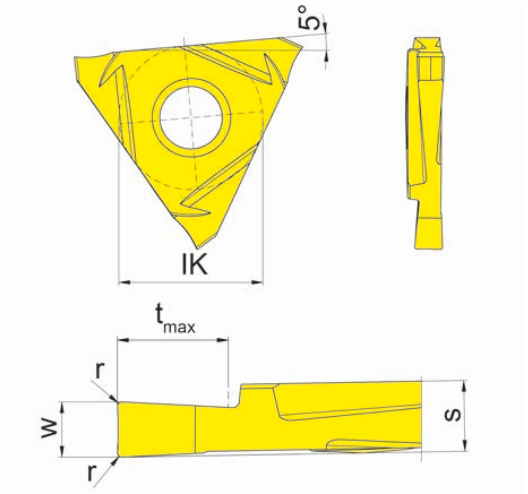
P	●	●	●	o	●	●	●
M	-	●	●	o	-	●	●
K	●	●	●	●	-	●	●
N	●	●	o	o	-	●	●
S	-	●	●	o	-	●	●
H	-	-	-	-	-	-	-

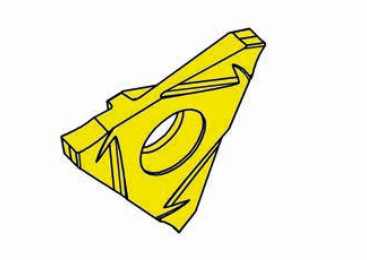
外圆加工：
右手型刀片配合右手型356系列刀杆,左手型刀片配合左手型356系列刀杆。
External machining:
Right hand insert in right hand toolholder 356, left hand insert in left hand toolholder 356.

内圆加工：
左手型333/357系列刀杆配合右手型刀片,右手型333/357刀杆配合左手型刀片。
Internal machining:
Right hand insert in left hand toolholder 333/357, left hand insert in right hand toolholder 333/357.

P

.FB





R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	t_{max}	s	HIS		H20
R315.FB25.02	2.5	0.2	5	3.2	31503R		▲
R315.FB30.02	3	0.2	5	3.2	31503R		▲
L315.FB25.02	2.5	0.2	5	3.2	31503L		▲
L315.FB30.02	3	0.2	5	3.2	31503L		▲
						P	●
						M	o
						K	-
						N	-
						S	-
						H	-

计算槽的最小可加工宽度 w_x
Calculation of the smallest possible width of groove w_x

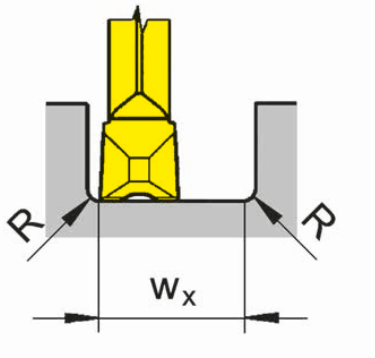
例如 R315.FB30.02
Example

w_x = 2 x 槽宽 w - 2 x 刀尖圆角 R

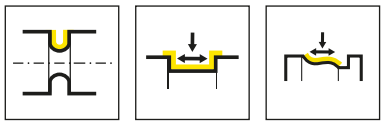
w_x = 2 x Width of insert w - 2 x Corner radius insert R

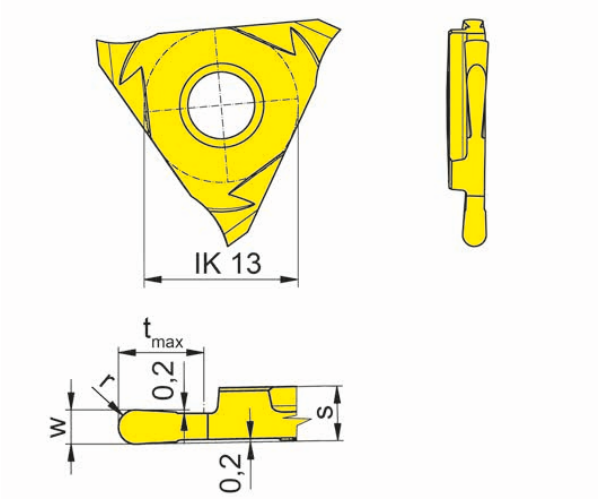
w_x = 2 x 3 mm - 2 x 0.2 mm

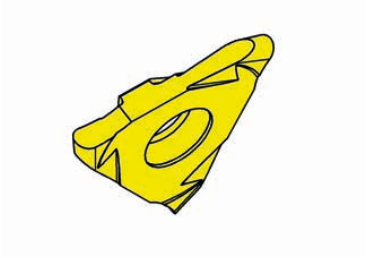
w_x = 5.6 mm



加工路径
Processing flow







P

R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	t_{max}	r	s	HIS	AS45
R315.0100.05	1	2.5	0.5	3.2	31503R	▲
R315.0120.06	1.2	3	0.6	3.2	31503R	▲
R315.0150.07	1.5	5	0.75	3.2	31503R	▲
R315.0160.08	1.6	5	0.8	3.2	31503R	▲
R315.0180.09	1.8	5	0.9	3.2	31503R	Δ
R315.0200.10	2	5	1	3.2	31503R	▲
R315.0220.11	2.2	5	1.1	3.2	31503R	Δ
R315.0250.12	2.5	5	1.25	3.2	31503R	▲
R315.0280.14	2.8	5	1.4	3.2	31503R	▲
R315.0300.15	3	5	1.5	3.2	31503R	▲
R315.0360.18	3.6	5	1.8	5.4	31505R	Δ
R315.0400.20	4	5	2	5.4	31505R	Δ
L315.0100.05	1	2.5	0.5	3.2	31503L	▲
L315.0120.06	1.2	3	0.6	3.2	31503L	▲
L315.0150.07	1.5	5	0.75	3.2	31503L	▲
L315.0160.08	1.6	5	0.8	3.2	31503L	Δ
L315.0180.09	1.8	5	0.9	3.2	31503L	Δ
L315.0200.10	2	5	1	3.2	31503L	▲
L315.0220.11	2.2	5	1.1	3.2	31503L	Δ
L315.0250.12	2.5	5	1.25	3.2	31503L	▲
L315.0280.14	2.8	5	1.4	3.2	31503L	Δ
L315.0300.15	3	5	1.5	3.2	31503L	Δ
L315.0360.18	3.6	5	1.8	5.4	31505L	Δ
L315.0400.20	4	5	2	5.4	31505L	Δ

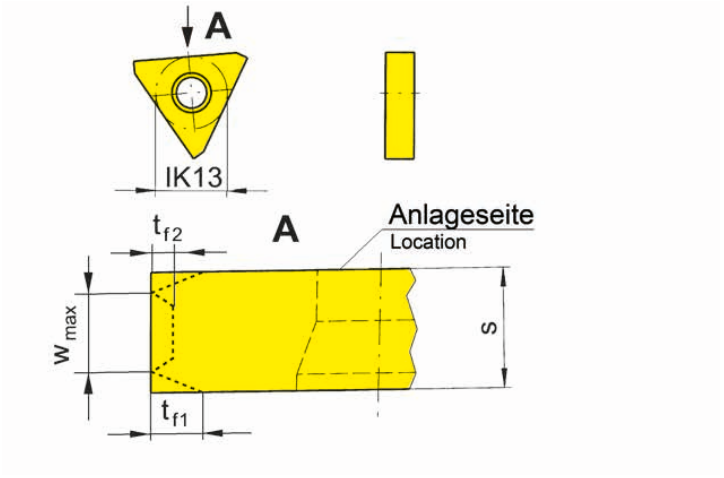
P	●
M	●
K	●
N	o
S	●
H	-

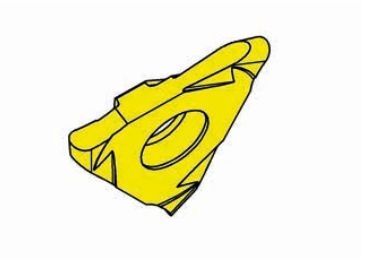
外圆加工：
右手型刀片配合右手型356系列刀杆,左手型刀片配合左手型356系列刀杆。
External machining:
Right hand insert in right hand toolholder 356, left hand insert in left hand toolholder 356.

内圆加工：
左手型333/357系列刀杆配合右手型刀片,右手型333/357刀杆配合左手型刀片。
Internal machining:
Right hand insert in left hand toolholder 333/357, left hand insert in right hand toolholder 333/357.

切宽1.6mm以上只推荐用于切槽
Width of groove up to 1,6 mm recommend only for grooving

P





R=右手型-如图
R = right hand version shown

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L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

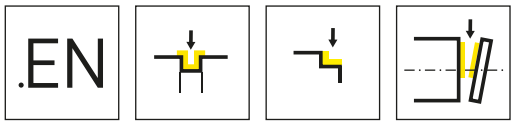
Δ 4周
4 weeks

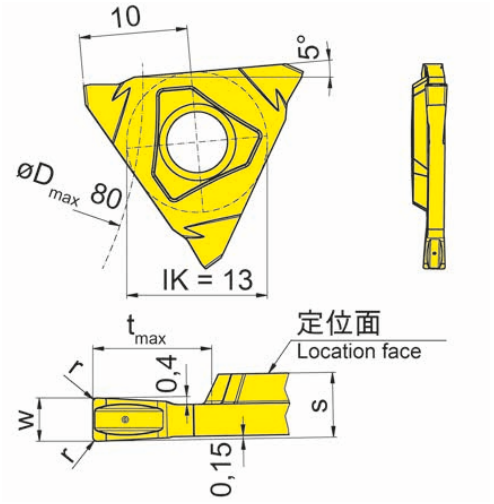
产品型号 Part number	w_{max}	t_{f1}	t_{f2}	s
R/L315...	3,05	5	-	3,25
R/L315...	5,25	5	2	5,45
R/L315...	5,9	5	2	6,1
R/L315...	6,4	5	2	6,6
R/L315...	6,9	5	2	7,1
R/L315...	7,3	5	2	7,5
R/L315...	8,3	5	2	8,5
R/L315...	9,3	5	2	9,5
R/L315...	10,3	5	2	10,5
R/L315...	13,3	5	2	13,5
R/L315...	15,3	5	2	15,5

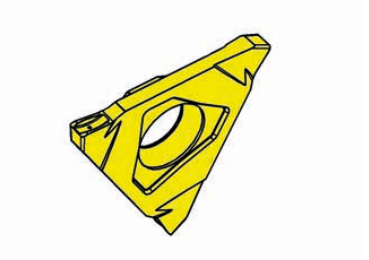
	EG35	TN35	TI25	TA45	TA46
P					
M					
K					
N					
S					
H					

按照要求
UPON REQUEST

S315







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

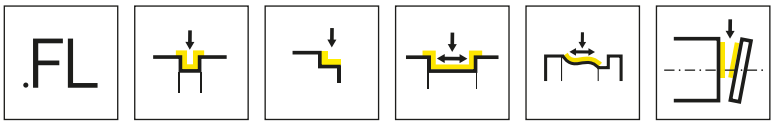
Δ 4周
4 weeks

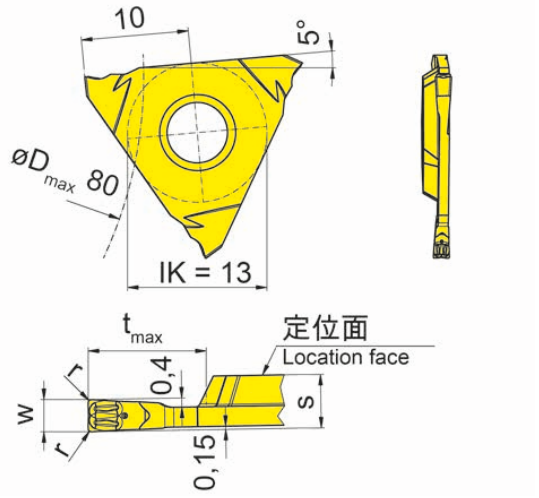
产品型号 Part number	w	r	t_{max}	s	HIS	EG5G
RS315.0200.EN2	2	0.2	5.5	3	S31503R	▲
LS315.0200.EN2	2	0.2	5.5	3	S31503L	▲

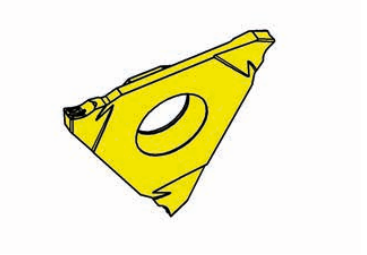
P	●
M	o
K	o
N	-
S	-
H	-

可转位刀片
Indexable insert

S315







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

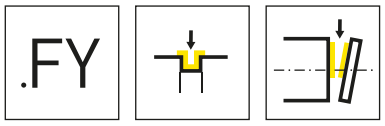
硬质合金牌号
Carbide grades

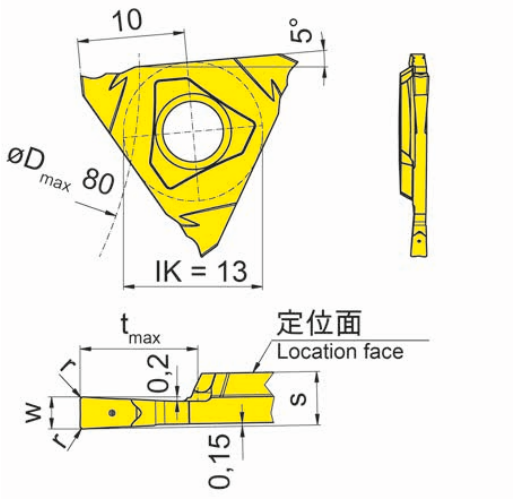
▲ 库存
on stock

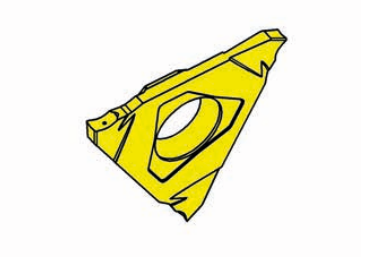
Δ 4周
4 weeks

产品型号 Part number	w	r	t_{max}	s	HIS	EG55
RS315.0150.FL15	1.5	0.15	5.5	2.5	S31503R	▲
LS315.0150.FL15	1.5	0.15	5.5	2.5	S31503L	▲

P	●
M	o
K	o
N	-
S	-
H	-







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

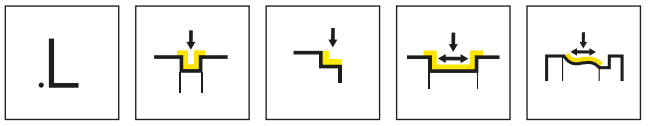
Δ 4周
4 weeks

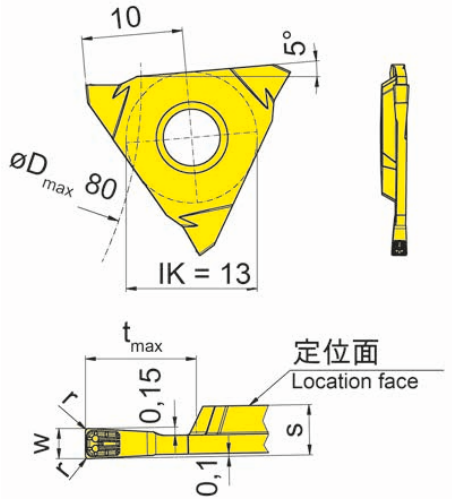
产品型号 Part number	w	r	t_{max}	s	HIS	EG55
RS315.0150.FY15	1.5	0.15	5.5	2.5	S31503R	▲
RS315.0200.FY2	2	0.2	5.5	3	S31503R	▲
LS315.0150.FY15	1.5	0.15	5.5	2.5	S31503L	▲
LS315.0200.FY2	2	0.2	5.5	3	S31503L	▲

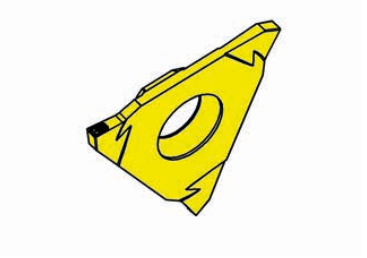
P	●
M	o
K	o
N	-
S	-
H	-

可转位刀片
Indexable insert

S315







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R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

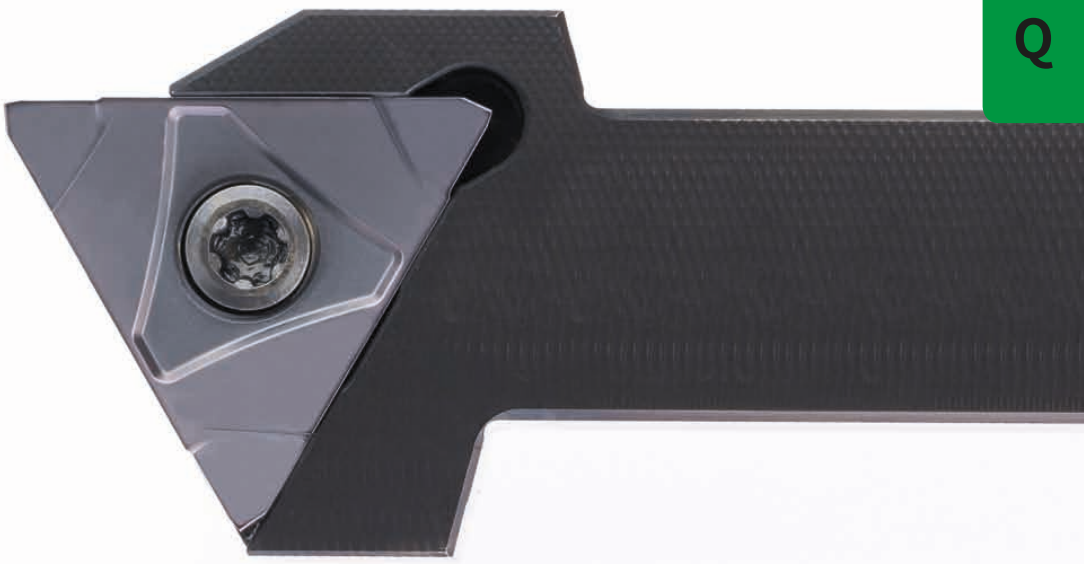
Δ 4周
4 weeks

产品型号 Part number	w	r	t_{max}	s	HIS	EG55
RS315.0110.L1	1.1	0.1	5.5	2.5	S31503R	▲
RS315.0130.L1	1.3	0.1	5.5	2.5	S31503R	▲
RS315.0150.L15	1.5	0.15	5.5	2.5	S31503R	▲
RS315.0200.L2	2	0.2	5.5	3	S31503R	▲
LS315.0110.L1	1.1	0.1	5.5	2.5	S31503L	▲
LS315.0130.L1	1.3	0.1	5.5	2.5	S31503L	▲
LS315.0150.L15	1.5	0.15	5.5	2.5	S31503L	▲
LS315.0200.L2	2	0.2	5.5	3	S31503L	▲

P	●
M	o
K	o
N	-
S	-
H	-

S316

Q



刀杆和刀片

槽宽1.5 - 3 mm

Toolholder and Inserts

Width of groove 1,5 - 3 mm

切槽和切断
Grooving and Parting Off

槽型及进给
Geometries and feed rates

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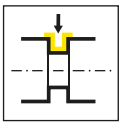
Q

刀杆
Toolholder
H316/HC316



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462-463

可转位刀片
Indexable insert
S316

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页/Page
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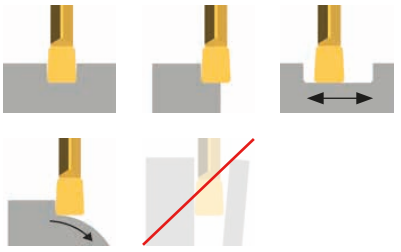
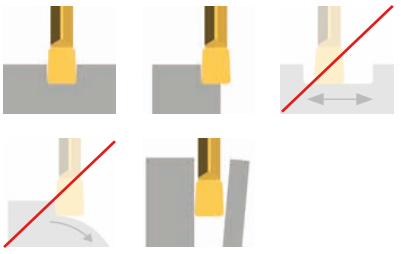
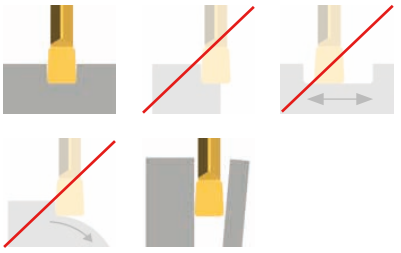
槽型及进给
Geometries and feed rates

槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.5	P M K N S H	↓ 0.10-0.45 ↔ 0.15-0.60	
.EN	P M K N S H	↓ 0.10-0.45	
.FY	P M K N S H	↓ 0.03-0.15	

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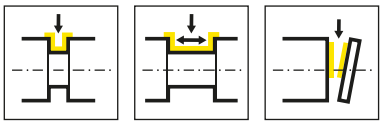
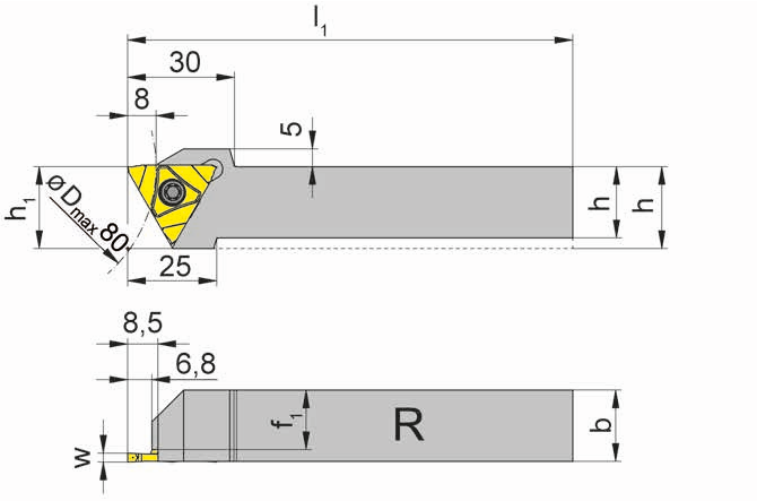
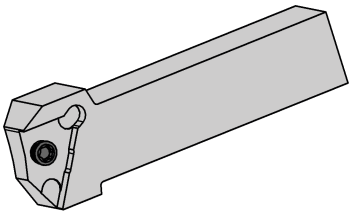






R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

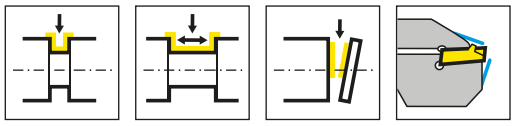
产品型号 Part number	h	b	l_1	h_1	f_1	HWS
RH316.1616.S3.03	16	16	125	23	12.7	S31603R
RH316.2020.S3.03	20	20	125	23	16.7	S31603R
RH316.2525.S3.03	25	25	150	25	21.7	S31603R
RH316.3225.S3.03	32	25	150	32	21.7	S31603R
LH316.1616.S3.03	16	16	125	23	12.7	S31603L
LH316.2020.S3.03	20	20	125	23	16.7	S31603L
LH316.2525.S3.03	25	25	150	25	21.7	S31603L
LH316.3225.S3.03	32	25	150	32	21.7	S31603L

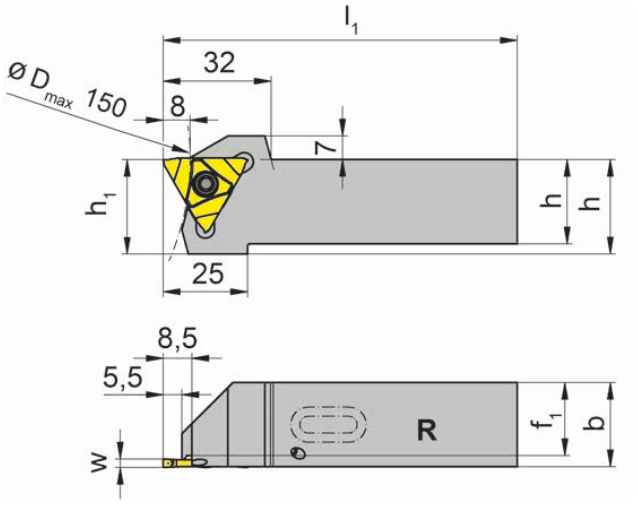
w见刀片
w see indexable inserts

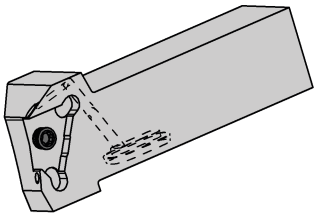
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH316...	**5.12T20P**	**T20PQ**

H316







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

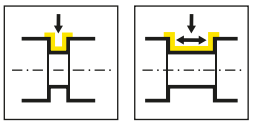
产品型号 Part number	h	b	l_1	h_1	f_1	HWS
RH316.2020.S3.03.IK	20	20	90	28	16.7	S31603R
RH316.2525.S3.03.IK	25	25	105	28	21.7	S31603R
RH316.2020.S5.05.IK	20	20	90	28	14.8	S31605R
RH316.2525.S5.05.IK	25	25	105	28	19.8	S31605R
LH316.2020.S3.03.IK	20	20	90	28	16.7	S31603L
LH316.2525.S3.03.IK	25	25	105	28	21.7	S31603L
LH316.2525.S5.05.IK	25	25	105	28	19.8	S31605L

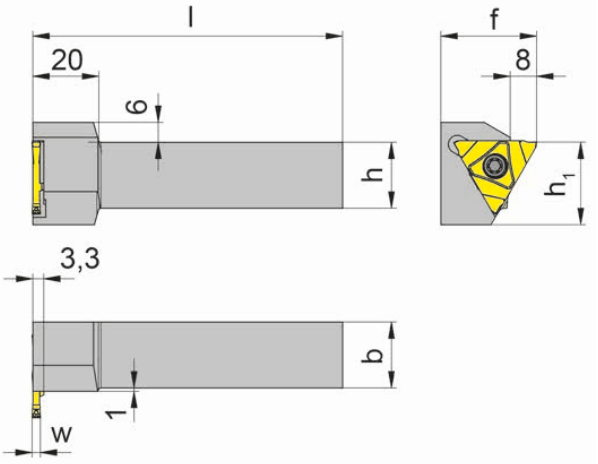
w见刀片
w see indexable inserts

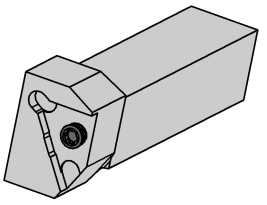
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH316...	**5.12T20P**	**T20PQ**

HC316







R=右手型-如图
R = right hand version shown

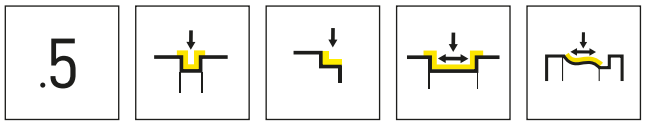
L=左手型
L = left hand version

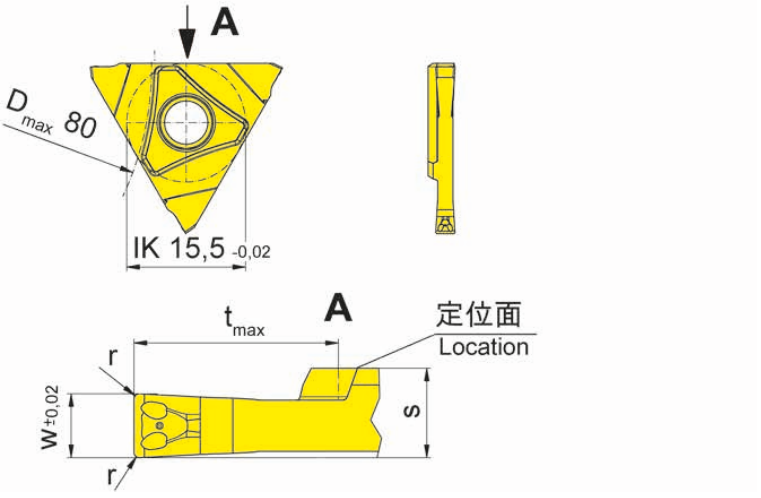
产品型号 Part number	h	b	l	h_1	f	HWS
RHC316.1616.S3.03	16	16	125	25	29	S31603L
RHC316.2020.S3.03	20	20	125	25	29	S31603L
RHC316.2525.S3.03	25	25	150	25	34	S31603L
RHC316.3225.S3.03	32	25	150	32	34	S31603L
LHC316.1616.S3.03	16	16	125	25	29	S31603R
LHC316.2020.S3.03	20	20	125	25	29	S31603R
LHC316.2525.S3.03	25	25	150	25	34	S31603R
LHC316.3225.S3.03	32	25	150	32	34	S31603R

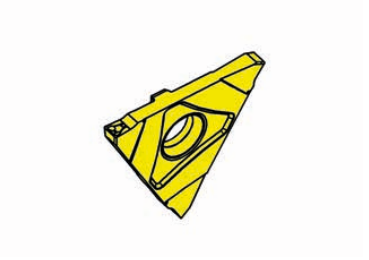
w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LHC316...	**5.12T20P**	**T20PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

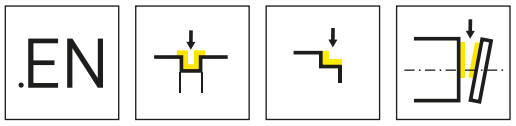
硬质合金牌号
Carbide grades

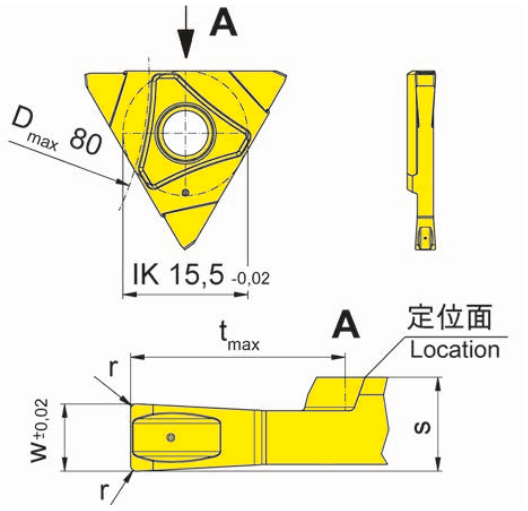
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	t_{max}	s	HIS		AS45
RS316.0200.52	2	0.2	8	3.5	S31603R		▲
RS316.0250.52	2.5	0.2	8	3.5	S31603R		▲
RS316.0300.52	3	0.2	8	3.5	S31603R		▲
LS316.0200.52	2	0.2	8	3.5	S31603L		▲
LS316.0250.52	2.5	0.2	8	3.5	S31603L		▲
LS316.0300.52	3	0.2	8	3.5	S31603L		▲
						P	●
						M	●
						K	●
						N	o
						S	●
						H	-

S316





R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

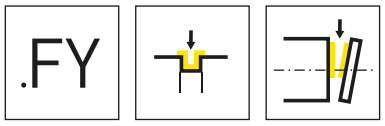
硬质合金牌号
Carbide grades

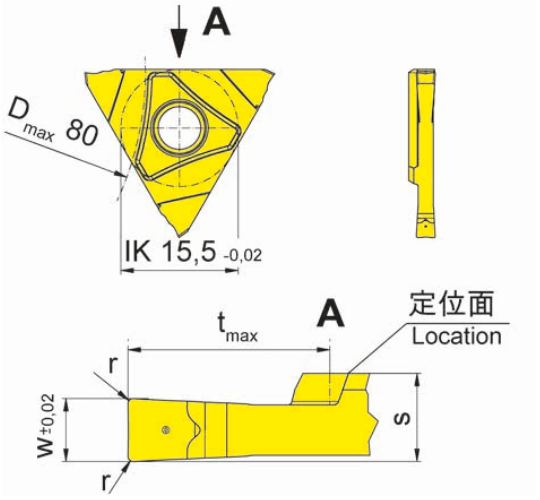
▲ 库存
on stock

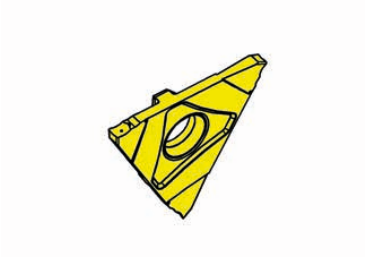
Δ 4周
4 weeks

产品型号 Part number	w	r	t_{max}	s	HIS	AS6G
RS316.0200.EN2	2	0.2	8	3.5	S31603R	▲
RS316.0250.EN2	2.5	0.2	8	3.5	S31603R	▲
RS316.0300.EN2	3	0.2	8	3.5	S31603R	Δ
LS316.0200.EN2	2	0.2	8	3.5	S31603L	▲
LS316.0250.EN2	2.5	0.2	8	3.5	S31603L	▲
LS316.0300.EN2	3	0.2	8	3.5	S31603L	▲

P	●
M	●
K	●
N	●
S	●
H	-







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

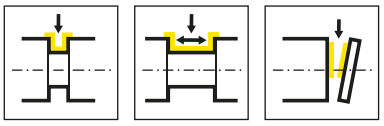
硬质合金牌号
Carbide grades

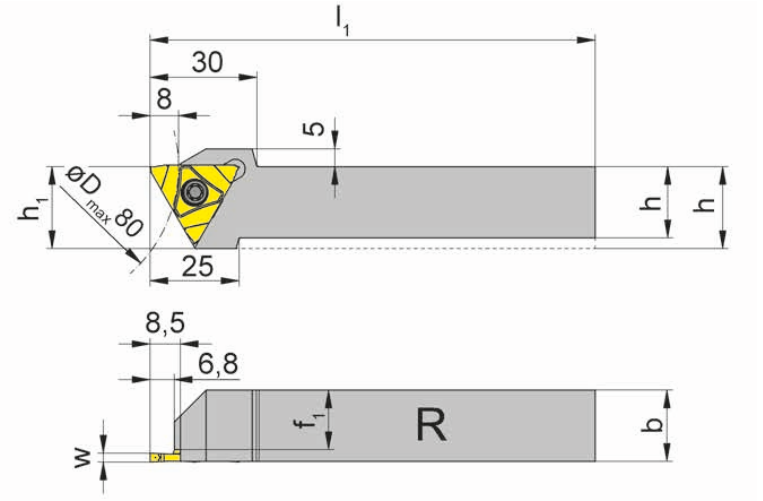
▲ 库存
on stock

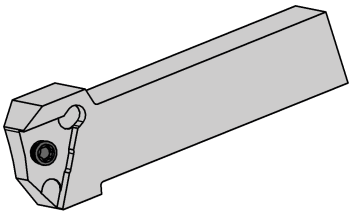
Δ 4周
4 weeks

产品型号 Part number	w	r	t_{max}	s	HIS	TI25
RS316.0150.FY1	1.5	0.1	8	3.3	S31603R	▲
RS316.0200.FY2	2	0.2	8	3.5	S31603R	▲
RS316.0250.FY2	2.5	0.2	8	3.5	S31603R	▲
RS316.0300.FY2	3	0.2	8	3.5	S31603R	▲
LS316.0150.FY1	1.5	0.1	8	3.3	S31603L	▲
LS316.0200.FY2	2	0.2	8	3.5	S31603L	▲
LS316.0250.FY2	2.5	0.2	8	3.5	S31603L	Δ
LS316.0300.FY2	3	0.2	8	3.5	S31603L	Δ

P	●
M	●
K	●
N	●
S	●
H	-







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

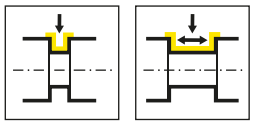
产品型号 Part number	h	b	l_1	h_1	f_1	HWS
RH316.1616.03	16	16	125	23	12.7	31603R
RH316.2020.03	20	20	125	23	16.7	31603R
RH316.2525.03	25	25	150	25	21.7	31603R
RH316.3225.03	32	25	150	32	21.7	31603R
RH316.2525.05	25	25	150	25	25.2	31605R
LH316.1616.03	16	16	125	23	12.7	31603L
LH316.2020.03	20	20	125	23	16.7	31603L
LH316.2525.03	25	25	150	25	21.7	31603L
LH316.3225.03	32	25	150	32	21.7	31603L
LH316.2525.05	25	25	150	25	25.2	31605L

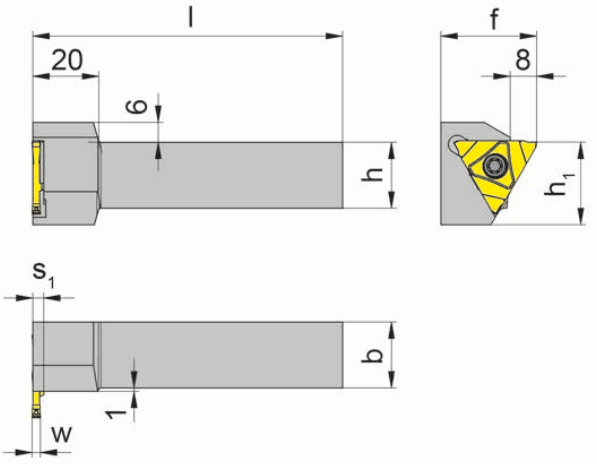
w见刀片
w see indexable inserts

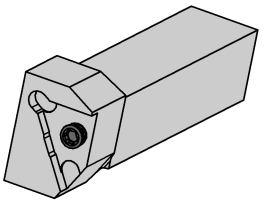
配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LH316...	**5.12T20P**	**T20PQ**

HC316







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l	h_1	f	s_1	HWS
RHC316.1616.03	16	16	125	25	29	3.3	31603L
RHC316.2020.03	20	20	125	25	29	3.3	31603L
RHC316.2525.03	25	25	150	25	34	3.3	31603L
RHC316.3225.03	32	25	150	32	34	3.3	31603L
RHC316.2020.05	20	20	125	25	29	5.2	31605L
RHC316.3225.05	32	25	150	32	34	5.2	31605L
LHC316.1616.03	16	16	125	25	29	3.3	31603R
LHC316.2020.03	20	20	125	25	29	3.3	31603R
LHC316.2525.03	25	25	150	25	34	3.3	31603R
LHC316.3225.03	32	25	150	32	34	3.3	31603R
LHC316.2020.05	20	20	125	25	29	5.2	31605R
LHC316.2525.05	25	25	150	25	34	5.2	31605R
LHC316.3225.05	32	25	150	32	34	5.2	31605R

w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LHC316...	**5.12T20P**	**T20PQ**

S64T

R

刀杆和刀片

槽宽0.5 - 3.15 mm

Toolholder and Inserts

Width of groove 0,5 - 3,15 mm

切槽和切断
Grooving and Parting Off

槽型及进给
Geometries and feed rates

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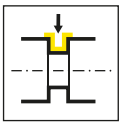
刀杆
Toolholder
H64T



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可转位刀片
Indexable insert
S64T

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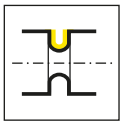

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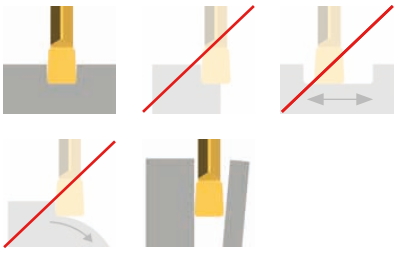
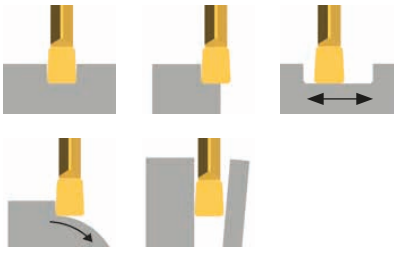
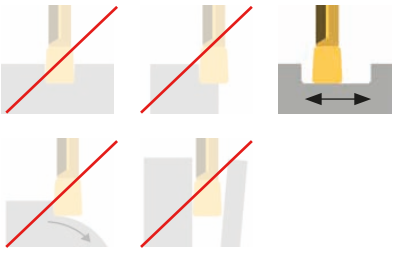
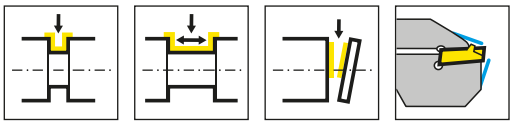
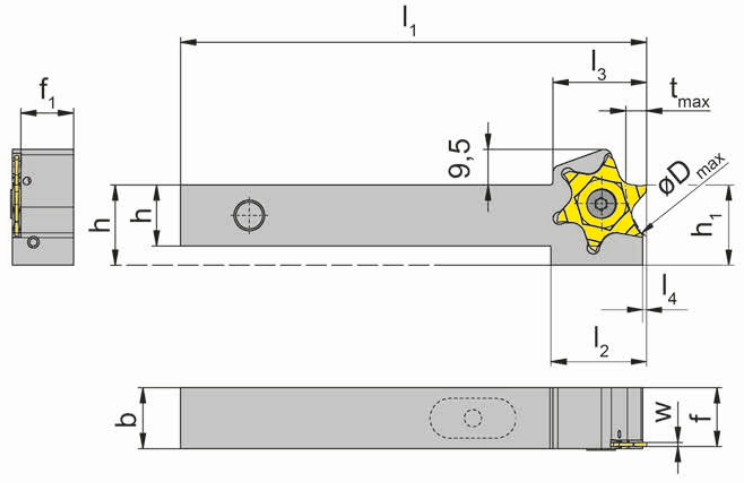
槽型及进给
Geometries and feed rates

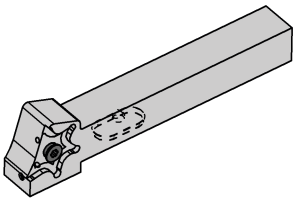
槽型 Geometry	材料 Material	进给 f [mm/U] Feed rate f [mm/rev]	加工方式 Machining
.00	P M K N S H	↓ 0.02-0.12	
.1A	P M K N S H	↓ 0.03-0.12	
.DL	P M K N S H	↓ 0.05-0.15 ↔ 0.05-0.20	
.FB	P M K N S H	↓ 0.02-0.10 ↔ 0.0015-0.07	

R

H64T







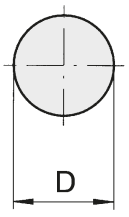
L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	l_4	冷却液供应 Coolant supply	HWS
RH64T.1616.4.10.IK	16	16	125	25	24.5	21	13.8	f_1+w+a_1	1	VDI	64T01N
RH64T.2020.4.10.IK	20	20	125	25	24.5	25	17.8	f_1+w+a_1	1	VDI	64T01N
RH64T.2525.4.10.IK	25	25	125	25	24.5	25	22.8	f_1+w+a_1	1	VDI	64T01N
RH64T.1616.4.20.IK	16	16	125	25	24.5	21	13.3	f_1+w+a_1	1	VDI	64T02N
RH64T.2020.4.20.IK	20	20	125	25	24.5	25	17.3	f_1+w+a_1	1	VDI	64T02N
RH64T.2525.4.20.IK	25	25	125	25	24.5	25	22.3	f_1+w+a_1	1	VDI	64T02N
LH64T.2020.4.10.IK	20	20	125	25	24.5	25	17.8	f_1+w+a_1	1	VDI	64T01N
LH64T.2525.4.10.IK	25	25	125	25	24.5	30	22.8	f_1+w+a_1	1	VDI	64T01N
LH64T.1616.4.20.IK	16	16	125	25	24.5	21	13.3	f_1+w+a_1	1	VDI	64T02N
LH64T.2020.4.20.IK	20	20	125	25	24.5	25	17.3	f_1+w+a_1	1	VDI	64T02N
LH64T.2525.4.20.IK	25	25	125	25	24.5	30	22.3	f_1+w+a_1	1	VDI	64T02N

w见刀片
w see indexable inserts

切槽和切断实心棒料
Grooving and parting off solid bars



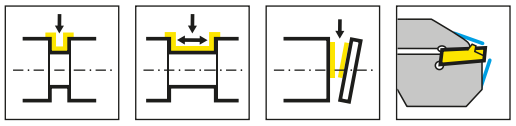
Dmin	tmax
40	5,5
45	5
50	4,5
55	4
65	3,5
70	3,5
80	3
100	2,5

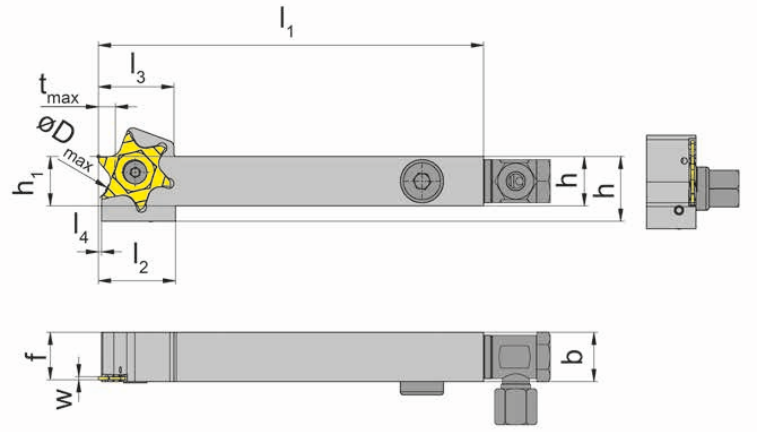
配件
Spare Parts

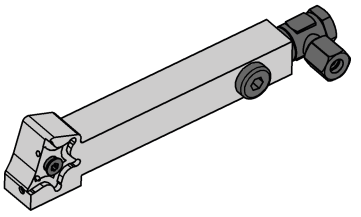
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH64T...	**030.4010.T15P**	**T15PQ**

刀杆
Toolholder

H64T







R=右手型-如图
R = right hand version shown

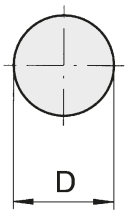
L=左手型
L = left hand version

R

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	l_4	冷却液供应 Coolant supply	HWS
RH64T.1212.6.10.IK	12	12	125	25	24.5	19	9.8	f_1+w+a_1	1	G1/8	64T01N
RH64T.1616.6.10.IK	16	16	125	25	24.5	21	13.8	f_1+w+a_1	1	G1/8	64T01N
RH64T.2020.6.10.IK	20	20	125	25	24.5	25	17.8	f_1+w+a_1	1	G1/8	64T01N
RH64T.2525.6.10.IK	25	25	125	25	24.5	25	22.8	f_1+w+a_1	1	G1/8	64T01N
RH64T.1212.6.20.IK	12	12	125	25	24.5	19	9.3	f_1+w+a_1	1	G1/8	64T02N
RH64T.1616.6.20.IK	16	16	125	25	24.5	21	13.3	f_1+w+a_1	1	G1/8	64T02N
RH64T.2020.6.20.IK	20	20	125	25	24.5	25	17.3	f_1+w+a_1	1	G1/8	64T02N
RH64T.2525.6.20.IK	25	25	125	25	24.5	25	22.3	f_1+w+a_1	1	G1/8	64T02N
LH64T.1212.6.10.IK	12	12	125	25	24.5	19	9.8	f_1+w+a_1	1	G1/8	64T01N
LH64T.1616.6.10.IK	16	16	125	25	24.5	21	13.8	f_1+w+a_1	1	G1/8	64T01N
LH64T.2020.6.10.IK	20	20	125	25	24.5	25	17.8	f_1+w+a_1	1	G1/8	64T01N
LH64T.2525.6.10.IK	25	25	125	25	24.5	25	22.8	f_1+w+a_1	1	G1/8	64T01N
LH64T.1212.6.20.IK	12	12	125	25	24.5	19	9.3	f_1+w+a_1	1	G1/8	64T02N
LH64T.1616.6.20.IK	16	16	125	25	24.5	21	13.3	f_1+w+a_1	1	G1/8	64T02N
LH64T.2020.6.20.IK	20	20	125	25	24.5	25	17.3	f_1+w+a_1	1	G1/8	64T02N
LH64T.2525.6.20.IK	25	25	125	25	24.5	25	22.3	f_1+w+a_1	1	G1/8	64T02N

w见刀片
w see indexable inserts

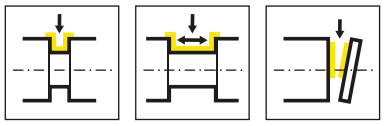
切槽和切断实心棒料
Grooving and parting off solid bars

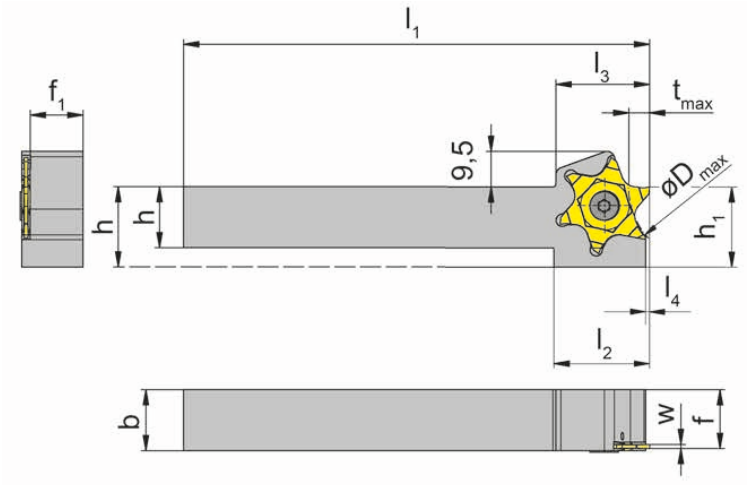


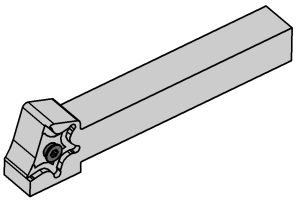
Dmin	tmax
40	5,5
45	5
50	4,5
55	4
65	3,5
70	3,5
80	3
100	2,5

配件
Spare Parts

刀杆 Toolholder	冷却液供应 Coolant supply	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench	螺钉 Screw Plug
R/LH64T.1212.6...	**004.00.22**	**030.4010.T15P**	**T15PQ**	
R/LH64T...	**004.00.16**	**030.4010.T15P**	**T15PQ**	**004.00.26**







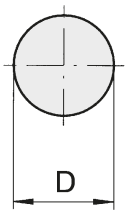
L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	l_4	HWS
RH64T.1212.10	12	12	125	25	25.4	19	9.8	f_1+w+a_1	1	64T01N
RH64T.1616.10	16	16	125	25	25.4	21	13.8	f_1+w+a_1	1	64T01N
RH64T.2020.10	20	20	125	25	25.4	25	17.8	f_1+w+a_1	1	64T01N
RH64T.2525.10	25	25	125	-	25.4	25	22.8	f_1+w+a_1	1	64T01N
RH64T.1212.20	12	12	125	25	25.4	19	9.3	f_1+w+a_1	1	64T02N
RH64T.1616.20	16	16	125	25	25.4	21	13.3	f_1+w+a_1	1	64T02N
RH64T.2020.20	20	20	125	25	25.4	25	17.3	f_1+w+a_1	1	64T02N
RH64T.2525.20	25	25	125	-	25.4	25	22.3	f_1+w+a_1	1	64T02N
LH64T.1212.10	12	12	125	25	25.4	19	9.8	f_1+w+a_1	1	64T01N
LH64T.1616.10	16	16	125	25	25.4	21	13.8	f_1+w+a_1	1	64T01N
LH64T.2020.10	20	20	125	25	25.4	25	17.8	f_1+w+a_1	1	64T01N
LH64T.2525.10	25	25	125	-	25.4	25	22.8	f_1+w+a_1	1	64T01N
LH64T.1212.20	12	12	125	25	25.4	19	9.3	f_1+w+a_1	1	64T02N
LH64T.1616.20	16	16	125	25	25.4	21	13.3	f_1+w+a_1	1	64T02N
LH64T.2020.20	20	20	125	25	25.4	25	17.3	f_1+w+a_1	1	64T02N
LH64T.2525.20	25	25	125	-	25.4	25	22.3	f_1+w+a_1	1	64T02N

w见刀片
w see indexable inserts

切槽和切断实心棒料
Grooving and parting off solid bars

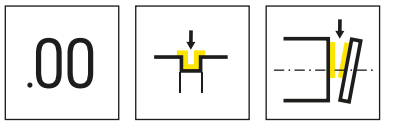


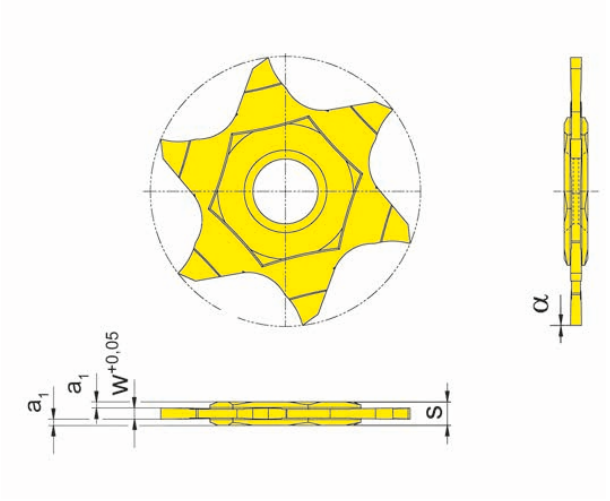
Dmin	tmax
40	5,5
45	5
50	4,5
55	4
65	3,5
70	3,5
80	3
100	2,5

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH64T...	**030.4010.T15P**	**T15PQ**

S64T





R

硬质合金牌号
Carbide grades

▲ 库存
on stock

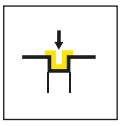
Δ 4周
4 weeks

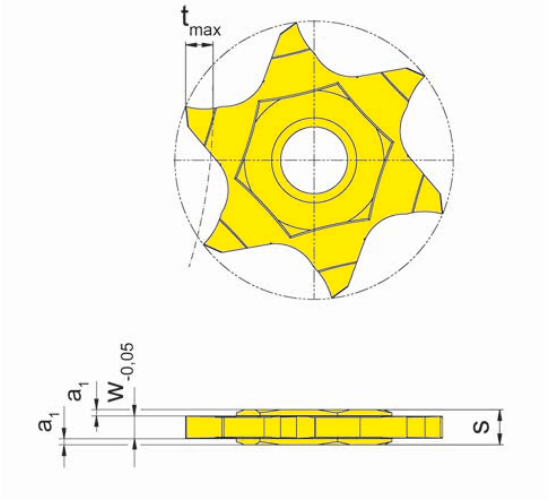
产品型号 Part number	w	a_1	s	α	HIS	EG55
S64T.0010.00	1	0.58	2.2	0°	64T01N	▲
S64T.0015.00	1.5	0.34	2.2	0°	64T01N	▲

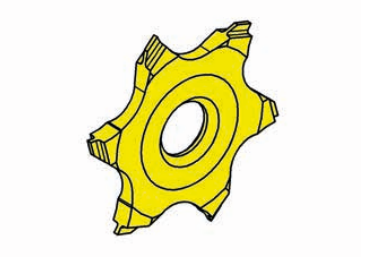
P	●
M	o
K	o
N	-
S	-
H	-

可转位刀片
Indexable insert

S64T







R

硬质合金牌号
Carbide grades

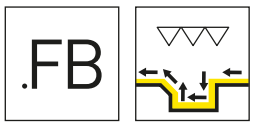
▲ 库存
on stock

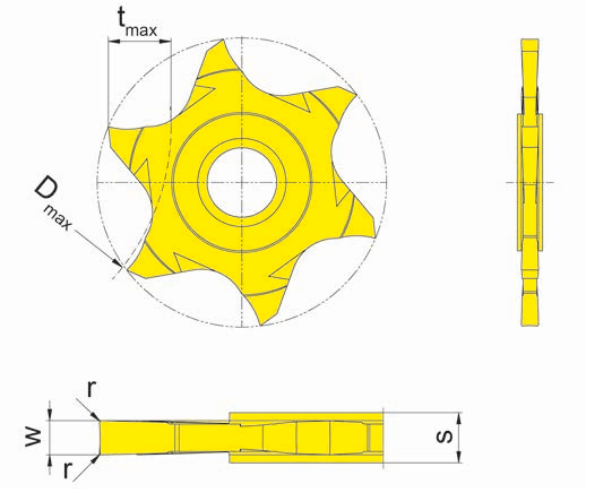
Δ 4周
4 weeks

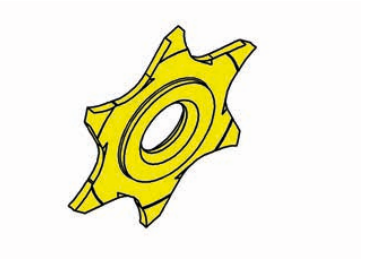
产品型号 Part number	w	Nw	t_{max}	a_1	s	HIS	EG35	EG55
S64T.0034.00	0.385	0.34	0.6	0.91	2.2	64T01N	Δ	
S64T.0044.00	0.485	0.44	0.7	0.86	2.2	64T01N	▲	
S64T.0050.00	0.57	0.5	0.7	0.83	2.2	64T01N		▲
S64T.0060.00	0.67	0.6	0.8	0.78	2.2	64T01N		▲
S64T.0070.00	0.77	0.7	1.1	0.73	2.2	64T01N		▲
S64T.0080.00	0.87	0.8	1.2	0.68	2.2	64T01N		▲
S64T.0090.00	0.97	0.9	1.4	0.63	2.2	64T01N		▲
S64T.0100.00	1.07	1	1.6	0.58	2.2	64T01N		▲
S64T.0110.00	1.24	1.1	1.6	0.49	2.2	64T01N		▲
S64T.0130.00	1.44	1.3	2	0.39	2.2	64T01N		▲
S64T.0160.00	1.74	1.6	3.5	0.24	2.2	64T01N		▲
S64T.0185.00	1.99	1.85	3.5	0.12	2.2	64T01N		▲
S64T.0215.00	2.29	2.15	3.5	0.07	2.4	64T01N		▲
S64T.0265.00	2.79	2.65	3.5	0.07	2.9	64T02N		▲
S64T.0315.00	3.29	3.15	3.5	0.07	3.4	64T02N		▲

P	●	●
M	●	o
K	o	o
N	-	-
S	-	-
H	-	-

S64T







硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	s	HIS	EG35
S64T.FB10.01	1	0.1	2.2	64T01N	▲
S64T.FB15.01	1.5	0.1	2.2	64T01N	▲

P	●
M	●
K	o
N	-
S	-
H	-

计算槽的最小可加工宽度 w_x
Calculation of the smallest possible width of groove w_x

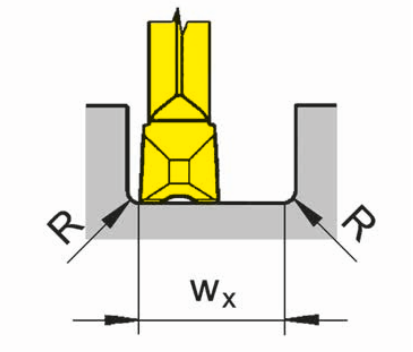
例如 S64T.FB10.01
Example

w_x = 2 x 槽宽 w - 2 x 刀尖圆角 R

w_x = 2 x Width of insert w - 2 x Corner radius insert R

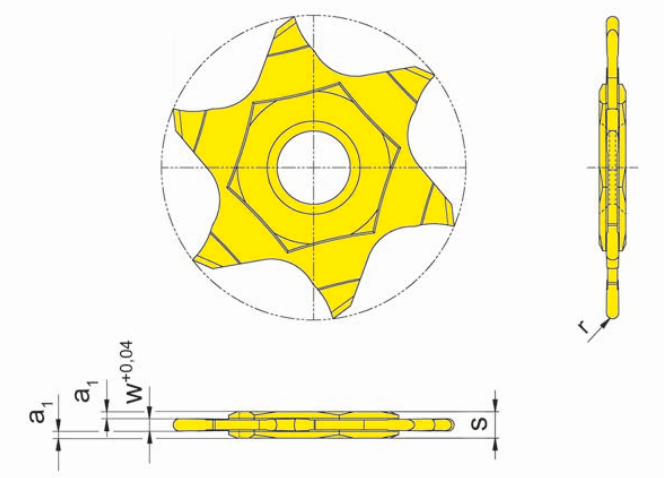
w_x = 2 x 1 mm - 2 x 0.1 mm

w_x = 1.8 mm



加工路径
Processing flow

S64T



硬质合金牌号
Carbide grades

▲ 库存
on stock

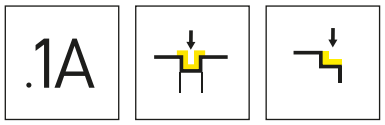
Δ 4周
4 weeks

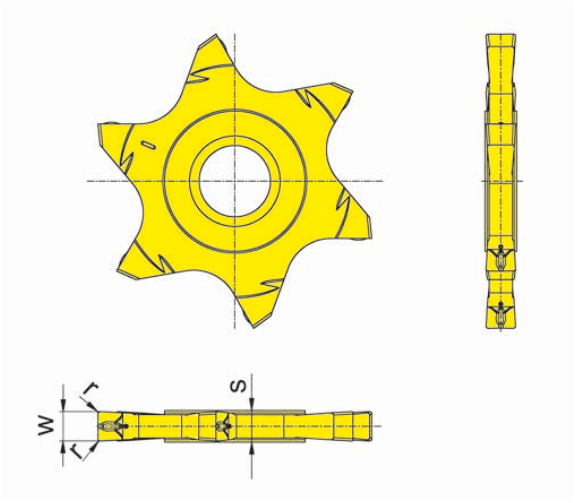
产品型号 Part number	w	a_1	r	s	HIS	EG55
S64T.0100.05	1	0.59	0.5	2.2	64T01N	▲
S64T.0120.06	1.2	0.49	0.6	2.2	64T01N	▲
S64T.0160.08	1.6	0.29	0.8	2.2	64T01N	▲
S64T.0200.10	2	0.09	1	2.2	64T01N	▲
S64T.0250.12	2.5	0.09	1.25	2.7	64T02N	▲
S64T.0300.15	3	0.09	1.5	3.2	64T02N	▲

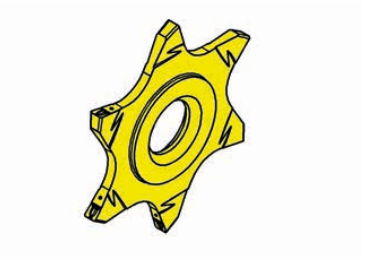
P	●
M	o
K	o
N	-
S	-
H	-

可转位刀片
Indexable insert

S64T







R

硬质合金牌号
Carbide grades

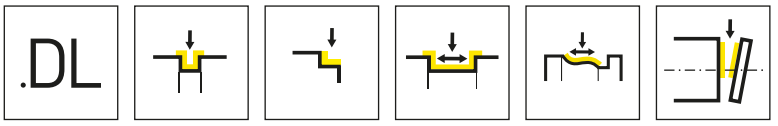
▲ 库存
on stock

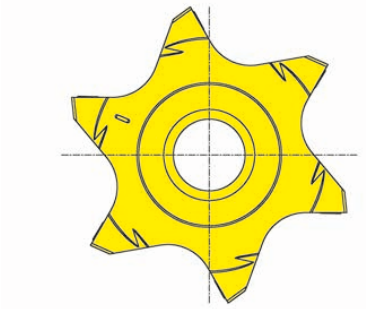
Δ 4周
4 weeks

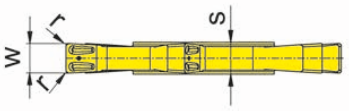
产品型号 Part number	w	r	s	HIS		EG55	IG35
S64T.0150.1A2	1.5	0.2	2.2	64T01N		▲	▲
S64T.0200.1A2	2	0.2	2.2	64T01N		▲	▲
S64T.0250.1A2	2.5	0.2	2.7	64T02N		▲	▲
S64T.0300.1A2	3	0.2	3.2	64T02N		▲	▲
					P	●	-
					M	o	●
					K	o	-
					N	-	-
					S	-	●
					H	-	-

可转位刀片
Indexable insert

S64T







R

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	s	HIS	EG55
S64T.0150.DL2	1.5	0.2	2.2	64T01N	▲
S64T.0150.DL4	1.5	0.4	2.2	64T01N	▲
S64T.0200.DL2	2	0.2	2.2	64T01N	▲
S64T.0200.DL4	2	0.4	2.2	64T01N	▲
S64T.0250.DL2	2.5	0.2	2.7	64T02N	▲
S64T.0250.DL4	2.5	0.4	2.7	64T02N	▲
S64T.0300.DL2	3	0.2	3.2	64T02N	▲
S64T.0300.DL4	3	0.4	3.2	64T02N	▲

P	●
M	o
K	o
N	-
S	-
H	-

S

螺纹切削 (外圆和内孔)

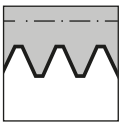
系列 224
系列 229
系列 231
系列 264
系列 274
系列 32T
系列 315
系列 64T

Threading (external and internal)

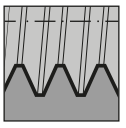
System 224
System 229
System 231
System 264
System 274
System 32T
System 315
System 64T

螺纹切削
Threading

可转位刀片
Indexable insert
224/229/231/264/274/
S32T/315/S64T



页/Page
479-493, 495,
497-500



页/Page
494, 496

概述
Overview
页/Page
501

技术信息
Technical Instructions
页/Page
502-503

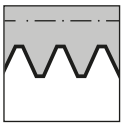
有关配套刀柄，请参见相应的系列章节
For toolholder please see corresponding system chapters

S

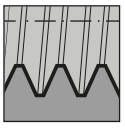
应用
Application

半牙螺纹
Partial profile thread

全牙螺纹
Full profile thread



外圆螺纹
External thread



内孔螺纹
Internal thread

BSW
BSF

BSW/BSF 螺纹
Whitworth pipe thread BSW/BSF

UN

UN螺纹
Unified thread

NPT
NPTF

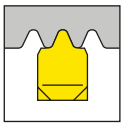
NPT 螺纹
National pipe thread

PG

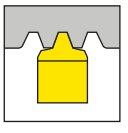
管螺纹
Steel conduit thread

60°

米制ISO螺纹
Metric ISO thread



惠氏管螺纹
Whitworth pipe thread

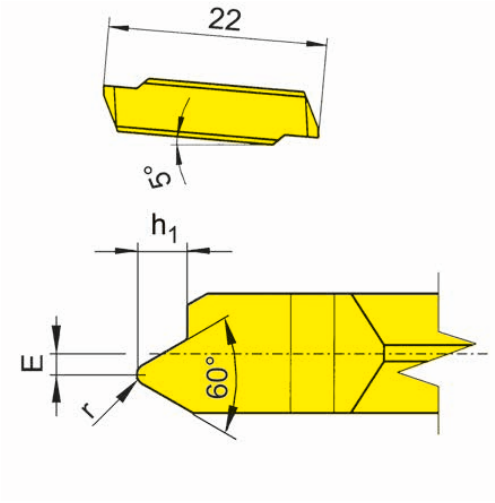


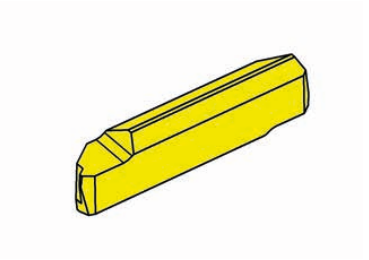
梯形螺纹
Trapezoidal thread

无需垫片。所有HORN螺纹刀片都有全轮廓后角。
No shims necessary. All HORN thread profiles are manufactured with full ground radial clearance.

可转位刀片
Indexable insert

S224





R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

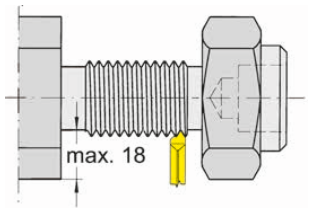
Δ 4周
4 weeks

S

产品型号 Part number	P	E	r	h_1	HIS	EG55	TF45
RS224.0305.02	0.5	1	0.07	0.31	224038	▲	▲
RS224.0407.02	0.75	0.9	0.11	0.46	224038	▲	▲
RS224.0610.02	1	0.8	0.14	0.61	224038	▲	▲
RS224.0712.02	1.25	0.7	0.15	0.77	224038	▲	▲
RS224.0915.02	1.5	0.5	0.2	0.92	224038	▲	▲
RS224.1017.02	1.75	0.4	0.25	1.07	224038	▲	▲
RS224.1220.02	2	0.3	0.25	1.23	224038	▲	▲
LS224.0305.02	0.5	1	0.07	0.31	224038	Δ	▲
LS224.0407.02	0.75	0.9	0.11	0.46	224038	▲	▲
LS224.0610.02	1	0.8	0.14	0.61	224038	▲	▲
LS224.0712.02	1.25	0.7	0.15	0.77	224038	▲	▲
LS224.0915.02	1.5	0.5	0.2	0.92	224038	▲	▲
LS224.1017.02	1.75	0.4	0.25	1.07	224038	Δ	Δ
LS224.1220.02	2	0.3	0.25	1.23	224038	Δ	▲

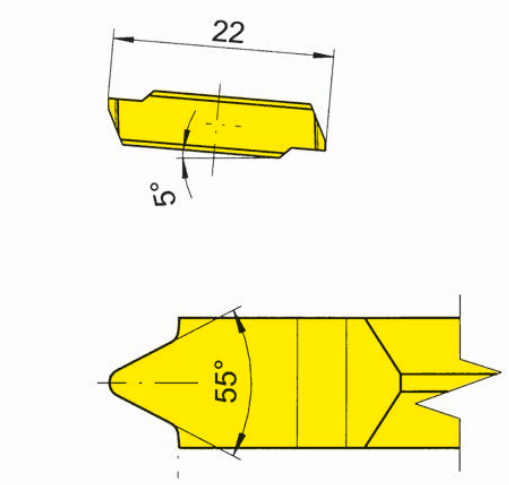
P	●	●
M	o	●
K	o	●
N	-	●
S	-	●
H	-	-

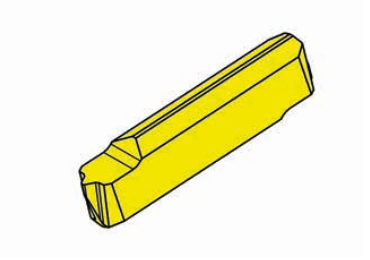
特别适用于两侧凸肩处的螺纹加工
Particularly suitable for threading behind a shoulder



可转位刀片
Indexable insert

NS224





硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	TPI	HIS		EG55	TA45
NS224.5511.02	11	224038		▲	▲
NS224.5514.02	14	224038		▲	▲
NS224.5519.02	19	224038		▲	▲
NS224.5528.02	28	224038		▲	▲
			P	●	●
			M	o	●
			K	o	●
			N	-	●
			S	-	●
			H	-	-

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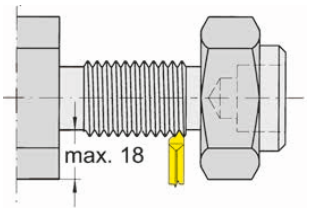
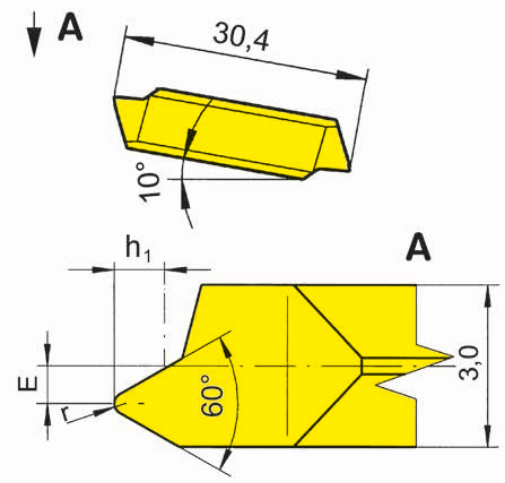
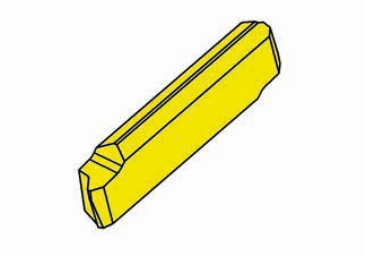
Particularly suitable for threading behind a shoulder







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

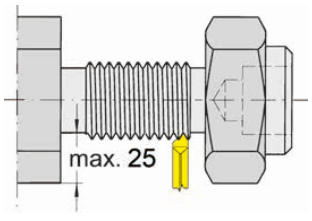
Δ 4周
4 weeks

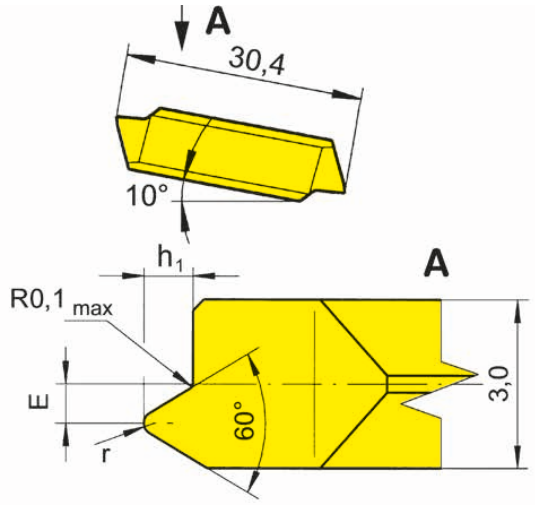
S

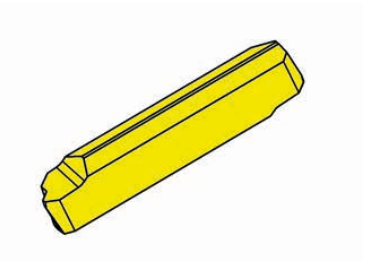
产品型号 Part number	P	E	r	h_1	HIS	TN35
R229.0610.01	1	0.8	0.12	0.61	229030 • 229040	▲
R229.0712.01	1.25	0.8	0.15	0.77	229030 • 229040	▲
R229.0915.01	1.5	0.7	0.2	0.92	229030 • 229040	▲
R229.1017.01	1.75	0.5	0.25	1.07	229030 • 229040	▲
R229.1220.01	2	0.5	0.25	1.23	229030 • 229040	▲
R229.1525.01	2.5	0.3	0.35	1.53	229030 • 229040	▲
L229.0610.01	1	0.8	0.12	0.61	229030 • 229040	▲
L229.0712.01	1.25	0.8	0.15	0.77	229030 • 229040	▲
L229.0915.01	1.5	0.7	0.2	0.92	229030 • 229040	▲
L229.1017.01	1.75	0.5	0.25	1.07	229030 • 229040	▲
L229.1220.01	2	0.5	0.25	1.23	229030 • 229040	Δ
L229.1525.01	2.5	0.3	0.35	1.53	229030 • 229040	▲

P	●
M	●
K	●
N	●
S	●
H	-

特别适用于两侧凸肩处的螺纹加工
Particularly suitable for threading behind a shoulder







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

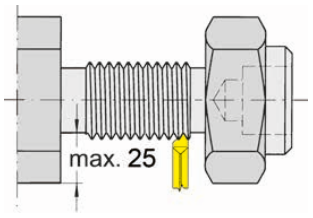
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	P	E	r	h_1	HIS	TN35
R229.0610.02	1	0.8	0.14	0.62	229030 • 229040	▲
R229.0712.02	1.25	0.8	0.175	0.78	229030 • 229040	▲
R229.0915.02	1.5	0.7	0.21	0.93	229030 • 229040	▲
R229.1017.02	1.75	0.5	0.25	1.08	229030 • 229040	▲
R229.1220.02	2	0.5	0.28	1.24	229030 • 229040	▲
R229.1525.02	2.5	0.3	0.36	1.54	229030 • 229040	▲
L229.0610.02	1	0.8	0.14	0.62	229030 • 229040	▲
L229.0712.02	1.25	0.8	0.175	0.78	229030 • 229040	▲
L229.0915.02	1.5	0.7	0.21	0.93	229030 • 229040	▲
L229.1017.02	1.75	0.5	0.25	1.08	229030 • 229040	▲
L229.1220.02	2	0.5	0.28	1.24	229030 • 229040	▲
L229.1525.02	2.5	0.3	0.36	1.54	229030 • 229040	Δ

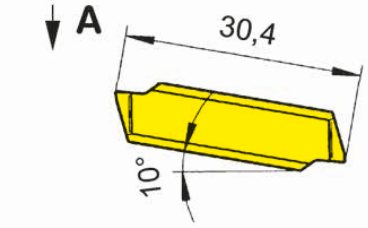
P	●
M	●
K	●
N	●
S	●
H	-

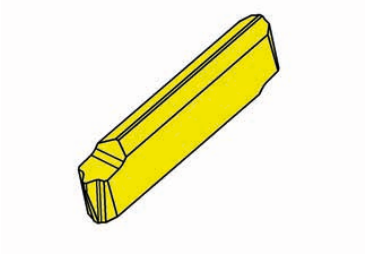
特别适用于两侧凸肩处的螺纹加工
Particularly suitable for threading behind a shoulder

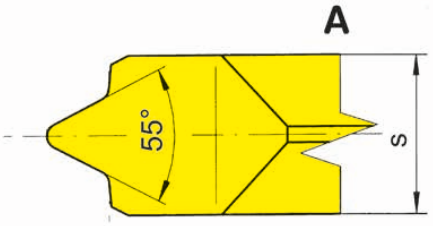


可转位刀片
Indexable insert

N229







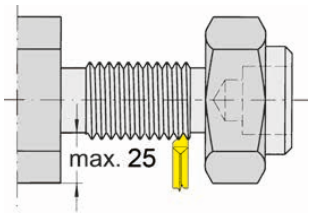
硬质合金牌号
Carbide grades

▲ 库存
on stock

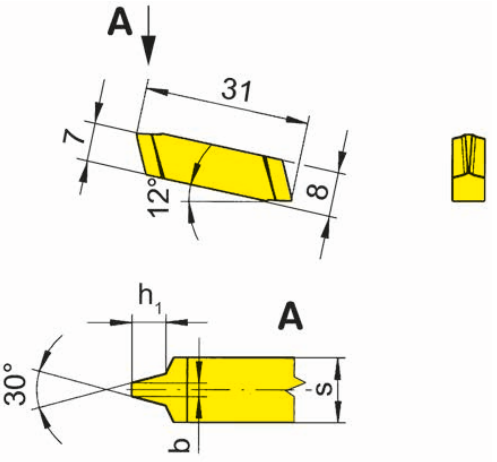
Δ 4周
4 weeks

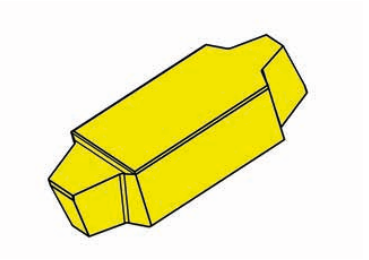
产品型号 Part number	TPI	s	HIS	K10	MG12	TA45	TN35
N229.5511.02	11	3.5	229030 • 229040			Δ	▲
N229.5514.02	14	3	229030 • 229040			▲	▲
N229.5519.02	19	3	229030 • 229040			Δ	▲
N229.5528.02	28	3	229030 • 229040				Δ
				P	●	o	●	●
				M	o	-	●	●
				K	●	-	●	●
				N	●	-	●	●
				S	o	-	●	●
				H	-	-	-	-

特别适用于两侧凸肩处的螺纹加工
Particularly suitable for threading behind a shoulder



S



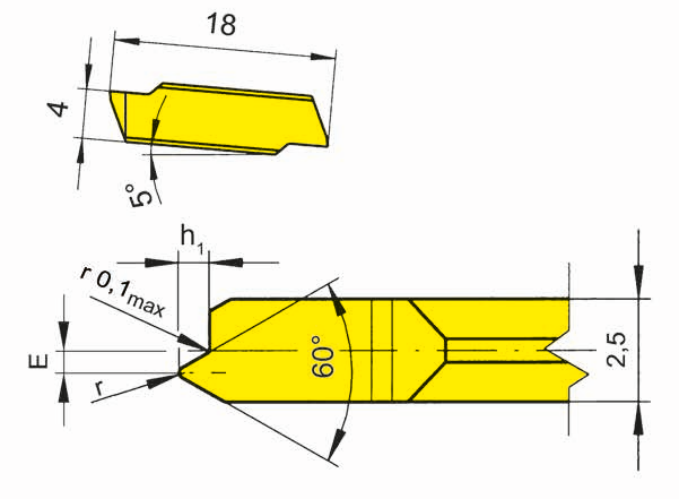


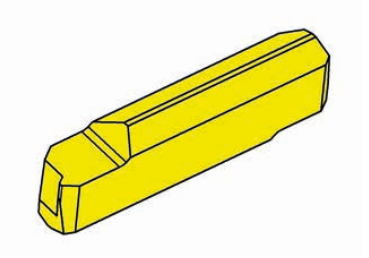
硬质合金牌号
Carbide grades

▲ 库存 on stock　　Δ 4周 4 weeks

产品型号 Part number	P	h_1	b	s	HIS	TN35
231.4070.02	7	4	2.29	5.8	23105N	▲
231.4580.02	8	4.5	2.66	5.8	23105N	▲
231.5090.02	9	5	3.02	7.8	23107N	Δ
231.5500.02	10	5.5	3.39	7.8	23107N	▲
231.6020.02	12	6.5	4.12	9.8	23109N	Δ

P	●
M	●
K	●
N	●
S	●
H	-





R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

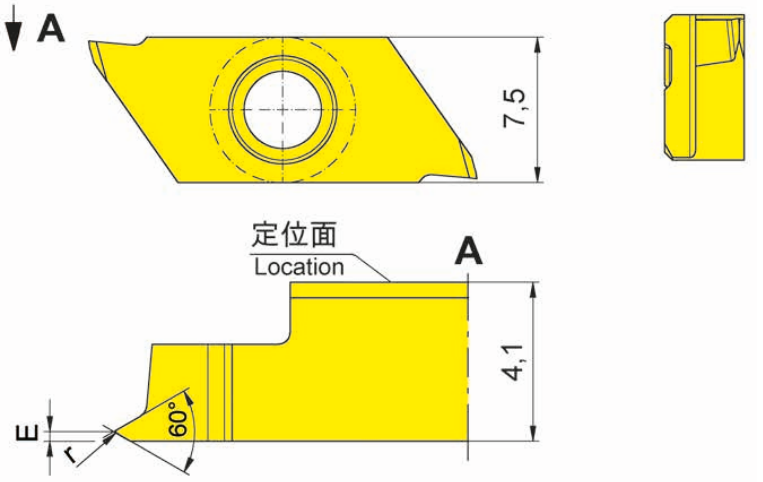
Δ 4周
4 weeks

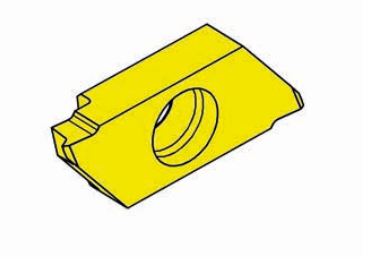
S

产品型号 Part number	P	E	r	h_1	HIS	TF45
R264.0305.02	0.5	0.9	0.07	0.31	26403	▲
R264.0306.02	0.6	0.9	0.09	0.37	26403	Δ
R264.0307.02	0.7	0.8	0.1	0.43	26403	▲
R264.0407.02	0.75	0.75	0.11	0.46	26403	▲
R264.0408.02	0.8	0.7	0.12	0.49	26403	▲
R264.0610.02	1	0.6	0.12	0.61	26403	▲
R264.0712.02	1.25	0.5	0.15	0.77	26403	▲
R264.0915.02	1.5	0.4	0.2	0.92	26403	▲
L264.0305.02	0.5	0.9	0.07	0.31	26403	Δ
L264.0306.02	0.6	0.9	0.09	0.37	26403	Δ
L264.0307.02	0.7	0.8	0.1	0.43	26403	Δ
L264.0407.02	0.75	0.75	0.11	0.46	26403	Δ
L264.0408.02	0.8	0.7	0.12	0.49	26403	▲
L264.0610.02	1	0.6	0.12	0.61	26403	▲
L264.0712.02	1.25	0.5	0.15	0.77	26403	Δ
L264.0915.02	1.5	0.4	0.2	0.92	26403	Δ

P	●
M	●
K	●
N	●
S	●
H	-

S274





R=右手型-如图
R = right hand version shown

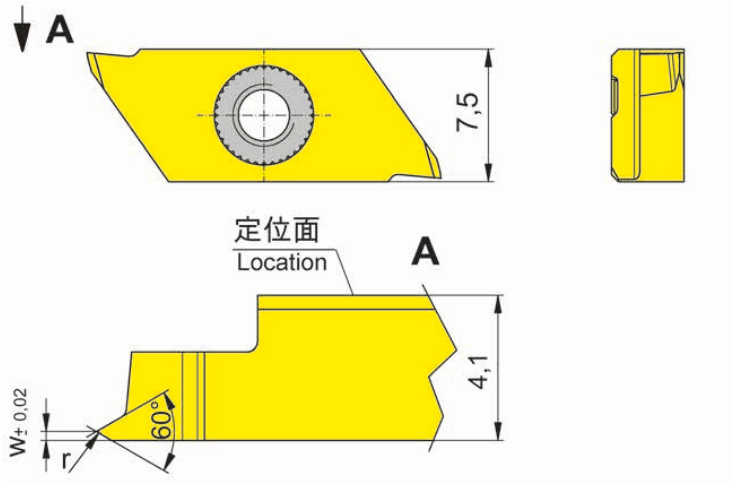
硬质合金牌号
Carbide grades

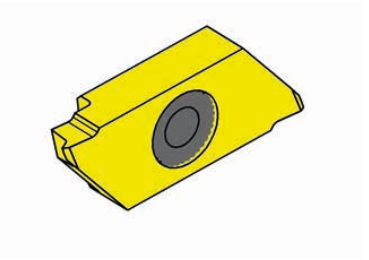
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	P	E	r	HIS	IG35	TH35
RS274.0102.01	0.25	0.2	0.04	274040R	▲	▲
RS274.0203.01	0.35	0.25	0.05	274040R	▲	▲
RS274.0204.01	0.4	0.3	0.06	274040R	▲	▲
					P -	●
					M ●	●
					K -	●
					N -	●
					S ●	●
					H -	-

S274...E





R=右手型-如图
R = right hand version shown

硬质合金牌号
Carbide grades

▲ 库存
on stock

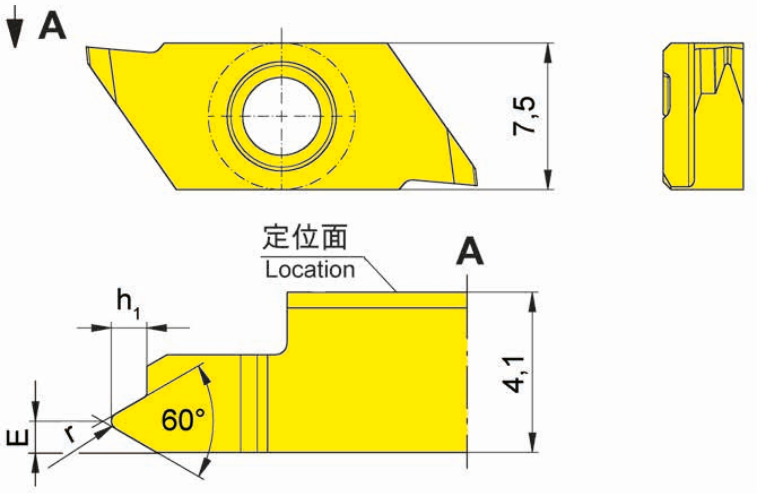
Δ 4周
4 weeks

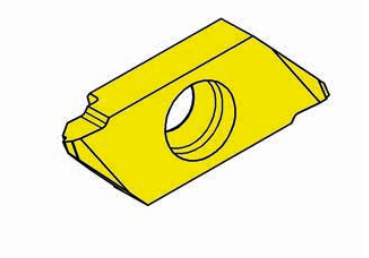
产品型号 Part number	P	E	r	HIS		IG35	TH35
RS274.0102.01.E	0.25	0.2	0.04	274140R		Δ	Δ
RS274.0203.01.E	0.35	0.25	0.05	274140R		Δ	Δ
RS274.0204.01.E	0.4	0.3	0.06	274140R		Δ	Δ
					P	-	●
					M	●	●
					K	-	●
					N	-	●
					S	●	●
					H	-	-

S

可转位刀片
Indexable insert

S274





R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

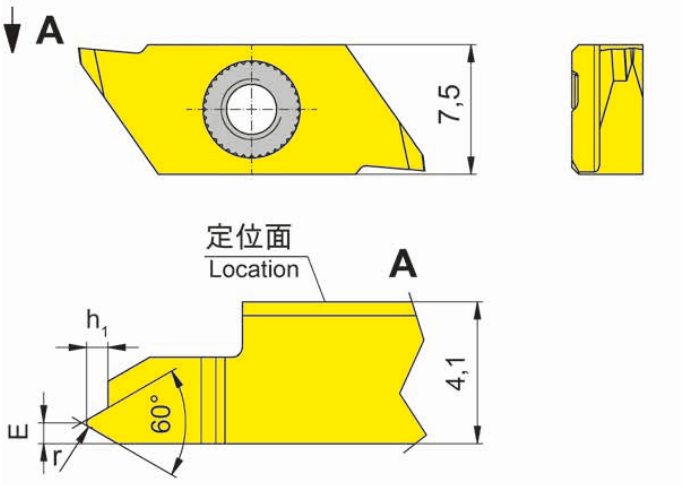
Δ 4周
4 weeks

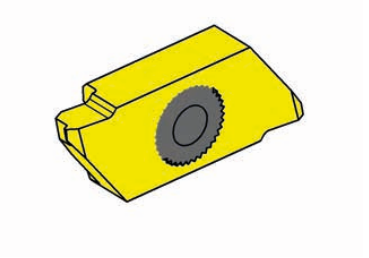
产品型号 Part number	P	E	r	h_1	HIS		IG35	TH35
RS274.0305.02	0.5	0.4	0.07	0.31	274040R		▲	▲
RS274.0306.02	0.6	0.45	0.09	0.37	274040R		Δ	▲
RS274.0307.02	0.7	0.5	0.1	0.43	274040R		▲	▲
RS274.0407.02	0.75	0.5	0.11	0.46	274040R		▲	▲
RS274.0408.02	0.8	0.55	0.12	0.49	274040R		▲	▲
RS274.0610.02	1	0.6	0.14	0.61	274040R		▲	▲
RS274.0712.02	1.25	0.7	0.15	0.77	274040R		▲	▲
RS274.0915.02	1.5	0.8	0.2	0.92	274040R		▲	▲
LS274.0305.02	0.5	0.4	0.07	0.31	274040L		Δ	▲
LS274.0306.02	0.6	0.45	0.09	0.37	274040L		Δ	Δ
LS274.0307.02	0.7	0.5	0.1	0.43	274040L		Δ	Δ
LS274.0407.02	0.75	0.5	0.11	0.46	274040L		Δ	Δ
LS274.0408.02	0.8	0.55	0.12	0.49	274040L		Δ	Δ
LS274.0610.02	1	0.6	0.14	0.61	274040L		Δ	▲
LS274.0712.02	1.25	0.7	0.15	0.77	274040L		▲	▲
LS274.0915.02	1.5	0.8	0.2	0.92	274040L		Δ	Δ

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

可转位刀片
Indexable insert

S274...E





R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

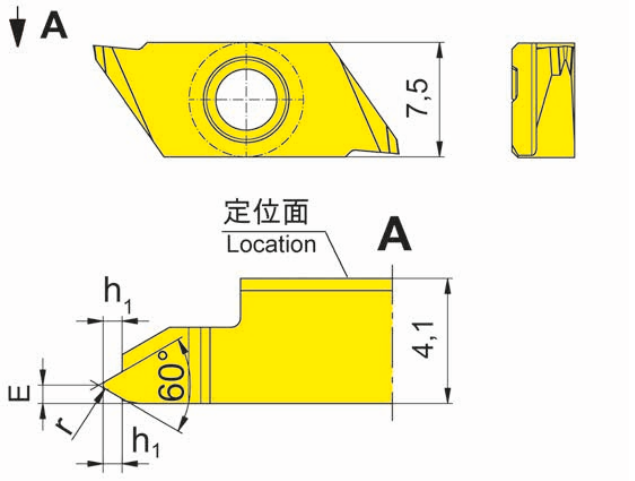
S

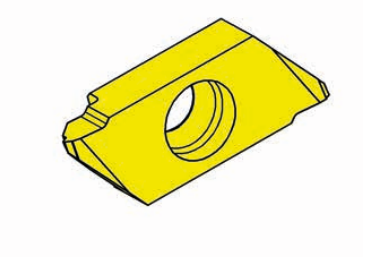
产品型号 Part number	P	E	r	h_1	HIS		IG35	TH35
RS274.0305.02.E	0.5	0.4	0.07	0.31	274140R		Δ	Δ
RS274.0306.02.E	0.6	0.45	0.09	0.37	274140R		Δ	Δ
RS274.0307.02.E	0.7	0.5	0.1	0.43	274140R		Δ	Δ
RS274.0407.02.E	0.75	0.5	0.11	0.46	274140R		Δ	Δ
RS274.0408.02.E	0.8	0.55	0.12	0.49	274140R		Δ	Δ
RS274.0610.02.E	1	0.6	0.14	0.61	274140R		Δ	Δ
RS274.0712.02.E	1.25	0.7	0.15	0.77	274140R		Δ	Δ
RS274.0915.02.E	1.5	0.8	0.2	0.92	274140R		Δ	Δ
LS274.0305.02.E	0.5	0.4	0.07	0.31	274140L		Δ	Δ
LS274.0306.02.E	0.6	0.45	0.09	0.37	274140L		Δ	Δ
LS274.0307.02.E	0.7	0.5	0.1	0.43	274140L		Δ	Δ
LS274.0407.02.E	0.75	0.5	0.11	0.46	274140L		Δ	Δ
LS274.0408.02.E	0.8	0.55	0.12	0.49	274140L		Δ	Δ
LS274.0610.02.E	1	0.6	0.14	0.61	274140L		Δ	Δ
LS274.0712.02.E	1.25	0.7	0.15	0.77	274140L		Δ	Δ
LS274.0915.02.E	1.5	0.8	0.2	0.92	274140L		Δ	

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

可转位刀片
Indexable insert

S274





R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

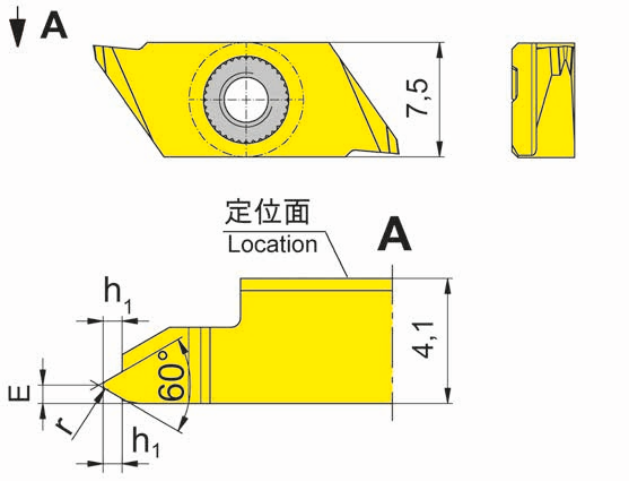
产品型号 Part number	P	E	r	h_1	HIS	IG35	TH35
RS274.0305.03	0.5	0.4	0.07	0.31	274040R	Δ	▲
RS274.0306.03	0.6	0.45	0.09	0.37	274040R	Δ	Δ
RS274.0307.03	0.7	0.5	0.1	0.43	274040R	Δ	▲
RS274.0407.03	0.75	0.5	0.11	0.46	274040R	Δ	Δ
RS274.0408.03	0.8	0.55	0.12	0.49	274040R	Δ	Δ
RS274.0610.03	1	0.6	0.14	0.61	274040R	▲	▲
RS274.0712.03	1.25	0.7	0.15	0.77	274040R	Δ	Δ
RS274.0915.03	1.5	0.8	0.2	0.92	274040R	Δ	▲
LS274.0305.03	0.5	0.4	0.07	0.31	274040L	Δ	▲
LS274.0306.03	0.6	0.45	0.09	0.37	274040L	Δ	
LS274.0307.03	0.7	0.5	0.1	0.43	274040L	Δ	Δ
LS274.0407.03	0.75	0.5	0.11	0.46	274040L	Δ	Δ
LS274.0408.03	0.8	0.55	0.12	0.49	274040L	Δ	Δ
LS274.0610.03	1	0.6	0.14	0.61	274040L	Δ	Δ
LS274.0712.03	1.25	0.7	0.15	0.77	274040L	Δ	Δ
LS274.0915.03	1.5	0.8	0.2	0.92	274040L	Δ	Δ

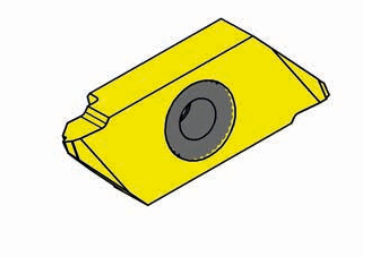
两侧加工
Machining of both flanks

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

可转位刀片
Indexable insert

S274...E





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R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	P	E	r	h_1	HIS		IG35	TH35
RS274.0305.03.E	0.5	0.4	0.07	0.31	274140R		Δ	Δ
RS274.0306.03.E	0.6	0.45	0.09	0.37	274140R		Δ	Δ
RS274.0307.03.E	0.7	0.5	0.1	0.43	274140R		Δ	Δ
RS274.0407.03.E	0.75	0.5	0.11	0.46	274140R		Δ	Δ
RS274.0408.03.E	0.8	0.55	0.12	0.49	274140R		Δ	Δ
RS274.0610.03.E	1	0.6	0.14	0.61	274140R		Δ	Δ
RS274.0712.03.E	1.25	0.7	0.15	0.77	274140R		Δ	Δ
RS274.0915.03.E	1.5	0.8	0.2	0.92	274140R		Δ	Δ
LS274.0305.03.E	0.5	0.4	0.07	0.31	274140L		Δ	Δ
LS274.0306.03.E	0.6	0.45	0.09	0.37	274140L		Δ	Δ
LS274.0307.03.E	0.7	0.5	0.1	0.43	274140L		Δ	Δ
LS274.0407.03.E	0.75	0.5	0.11	0.46	274140L		Δ	Δ
LS274.0408.03.E	0.8	0.55	0.12	0.49	274140L		Δ	Δ
LS274.0610.03.E	1	0.6	0.14	0.61	274140L		Δ	Δ
LS274.0712.03.E	1.25	0.7	0.15	0.77	274140L		Δ	Δ
LS274.0915.03.E	1.5	0.8	0.2	0.92	274140L		Δ	Δ

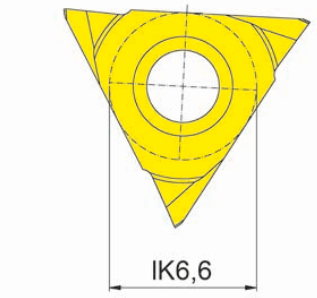
两侧加工
Machining of both flanks

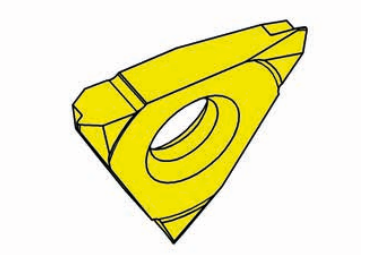
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

S

可转位刀片
Indexable insert

S32T





S

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L = left hand version

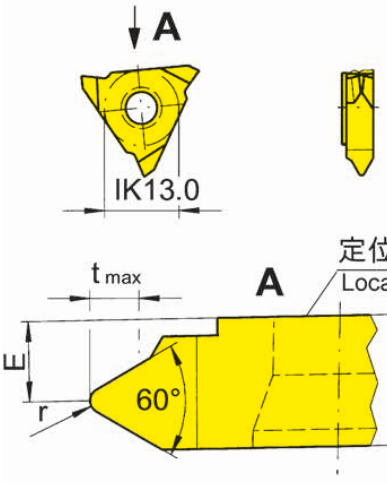
硬质合金牌号
Carbide grades

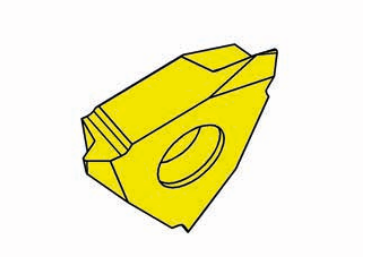
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	P	E	r	h_1	s	HIS	EG55
RS32T.0305.02	0.5	1.6	0.07	0.32	2	32T02R	▲
RS32T.0306.02	0.6	1.5	0.09	0.38	2	32T02R	▲
RS32T.0307.02	0.7	1.5	0.1	0.44	2	32T02R	▲
RS32T.0407.02	0.75	1.5	0.11	0.47	2	32T02R	▲
RS32T.0408.02	0.8	1.4	0.12	0.5	2	32T02R	▲
RS32T.0610.02	1	1.4	0.14	0.62	2	32T02R	▲
RS32T.0712.02	1.25	1.4	0.18	0.78	2	32T02R	▲
RS32T.0915.02	1.5	1.3	0.22	0.93	2	32T02R	▲
LS32T.0305.02	0.5	1.6	0.07	0.32	2	32T02L	▲
LS32T.0306.02	0.6	1.5	0.09	0.38	2	32T02L	▲
LS32T.0307.02	0.7	1.5	0.1	0.44	2	32T02L	▲
LS32T.0407.02	0.75	1.5	0.11	0.47	2	32T02L	▲
LS32T.0408.02	0.8	1.4	0.12	0.5	2	32T02L	▲
LS32T.0610.02	1	1.4	0.14	0.62	2	32T02L	▲
LS32T.0712.02	1.25	1.4	0.18	0.78	2	32T02L	▲
LS32T.0915.02	1.5	1.3	0.22	0.93	2	32T02L	▲

P	●
M	o
K	o
N	-
S	-
H	-





R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

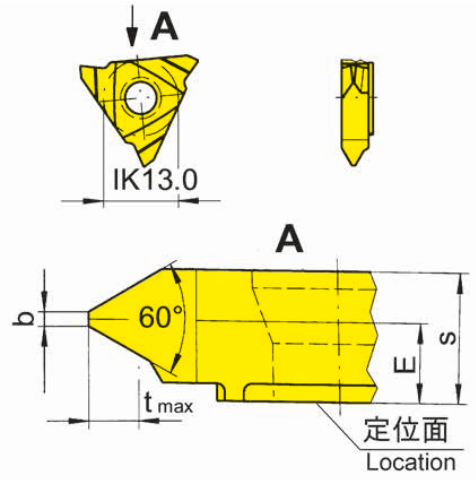
▲ 库存
on stock

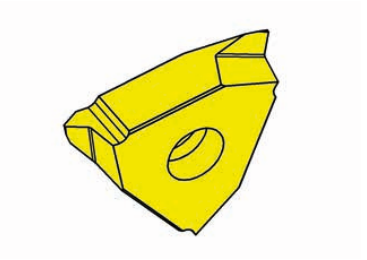
Δ 4周
4 weeks

S

产品型号 Part number	P	P_{max}	E	r	t_{max}	s	HIS	TN35
R315.0610.01	1	1	4.5	0.14	0.61	5.45	31505R	▲
R315.0712.01	1.25	1.25	4.5	0.15	0.77	5.45	31505R	▲
R315.0915.01	1.5	1.5	4.15	0.2	0.92	5.45	31505R	▲
R315.1017.01	1.75	1.75	4.15	0.25	1.07	5.45	31505R	▲
R315.1220.01	2	2	4.15	0.25	1.23	5.45	31505R	▲
R315.1525.01	2.5	2.5	3.8	0.35	1.53	5.45	31505R	▲
R315.1830.01	3	3	3.6	0.4	1.84	5.45	31505R	▲
R315.3060.01	3	6	3	0.4	4.15	6.1	31505R	▲
R315.2135.01	3.5	3.5	3.4	0.5	2.15	5.45	31505R	Δ
L315.0610.01	1	1	4.5	0.14	0.61	5.45	31505L	Δ
L315.0712.01	1.25	1.25	4.5	0.15	0.77	5.45	31505L	Δ
L315.0915.01	1.5	1.5	4.15	0.2	0.92	5.45	31505L	▲
L315.1017.01	1.75	1.75	4.15	0.25	1.07	5.45	31505L	Δ
L315.1220.01	2	2	4.15	0.25	1.23	5.45	31505L	Δ
L315.1525.01	2.5	2.5	3.8	0.35	1.53	5.45	31505L	Δ
L315.1830.01	3	3	3.6	0.4	1.84	5.45	31505L	Δ
L315.3060.01	3	6	3	0.4	4.15	6.1	31505L	▲
L315.2135.01	3.5	3.5	3.4	0.5	2.15	5.45	31505L	Δ

P	●
M	●
K	●
N	●
S	●
H	-





S

R=右手型-如图
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L = left hand version

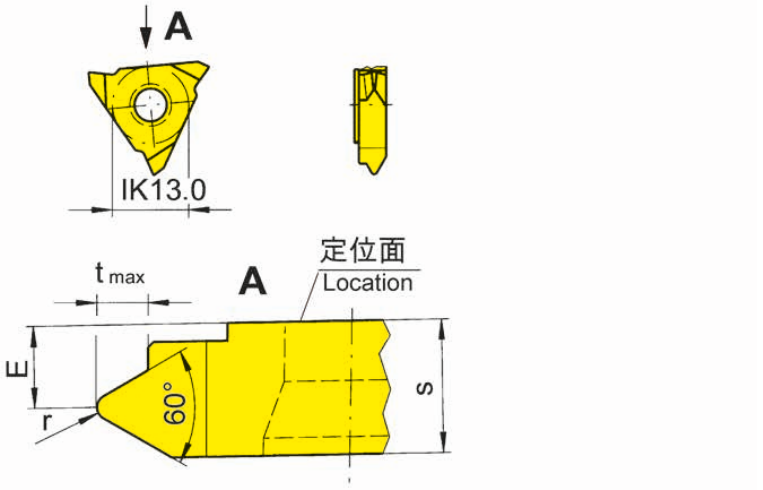
硬质合金牌号
Carbide grades

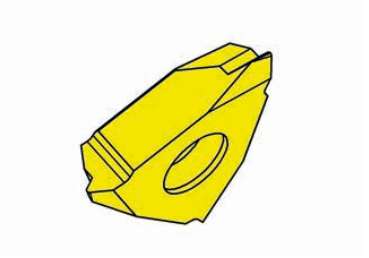
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	P	E	t_{max}	b	s	D_{min}	HIS	TN35
R315.0510.01	1	4.85	0.55	0.12	5.45	40	31505R	Δ
R315.0815.01	1.5	4.65	0.81	0.18	5.45	40	31505R	Δ
R315.1020.01	2	4.45	1.08	0.25	5.45	40	31505R	Δ
R315.1325.01	2.5	4.25	1.35	0.31	5.45	43	31505R	Δ
R315.1630.01	3	4.05	1.62	0.37	5.45	43	31505R	Δ
R315.1835.01	3.5	3.9	1.89	0.43	5.45	43	31505R	Δ
L315.0510.01	1	4.85	0.55	0.12	5.45	40	31505L	
L315.0815.01	1.5	4.65	0.81	0.18	5.45	40	31505L	Δ
L315.1020.01	2	4.45	1.08	0.25	5.45	40	31505L	Δ
L315.1325.01	2.5	4.25	1.35	0.31	5.45	43	31505L	Δ
L315.1630.01	3	4.05	1.62	0.37	5.45	43	31505L	Δ
L315.1835.01	3.5	3.9	1.89	0.43	5.45	43	31505L	Δ

P	●
M	●
K	●
N	●
S	●
H	-





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硬质合金牌号
Carbide grades

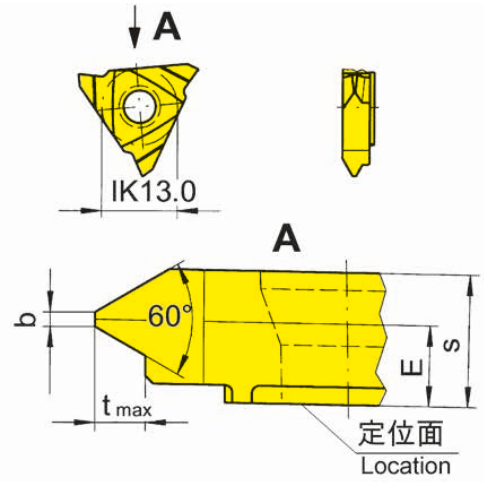
▲ 库存
on stock

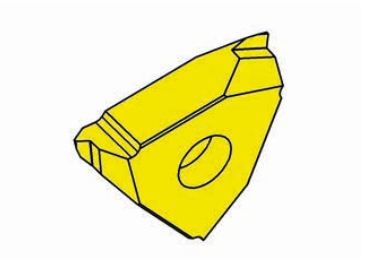
Δ 4周
4 weeks

S

产品型号 Part number	P	E	r	t_{max}	s	HIS	TN35
R315.0610.02	1	4.5	0.14	0.61	5.45	31505R	▲
R315.0712.02	1.25	4.5	0.15	0.77	5.45	31505R	▲
R315.0915.02	1.5	4.15	0.2	0.92	5.45	31505R	▲
R315.1017.02	1.75	4.15	0.25	1.07	5.45	31505R	▲
R315.1220.02	2	4.15	0.25	1.23	5.45	31505R	▲
R315.1525.02	2.5	3.8	0.35	1.55	5.45	31505R	▲
R315.1830.02	3	3.6	0.4	1.84	5.45	31505R	▲
R315.2135.02	3.5	3.4	0.5	2.15	5.45	31505R	▲
R315.2440.02	4	3.3	0.55	2.45	5.45	31505R	Δ
R315.3050.02	5	4	0.7	3.07	6.5	31506R	▲
R315.3660.02	6	4.1	0.85	3.68	7	31507R	Δ
L315.0610.02	1	4.5	0.14	0.61	5.45	31505L	▲
L315.0712.02	1.25	4.5	0.15	0.77	5.45	31505L	Δ
L315.0915.02	1.5	4.15	0.2	0.92	5.45	31505L	▲
L315.1017.02	1.75	4.15	0.25	1.07	5.45	31505L	Δ
L315.1220.02	2	4.15	0.25	1.23	5.45	31505L	Δ
L315.1525.02	2.5	3.8	0.35	1.55	5.45	31505L	Δ
L315.1830.02	3	3.6	0.4	1.84	5.45	31505L	▲
L315.2135.02	3.5	3.4	0.5	2.15	5.45	31505L	Δ
L315.2440.02	4	3.3	0.55	2.45	5.45	31505L	Δ
L315.3050.02	5	4	0.7	3.07	6.5	31506L	Δ
L315.3660.02	6	4.1	0.85	3.68	7	31507L	Δ

P	●
M	●
K	●
N	●
S	●
H	-





S

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L = left hand version

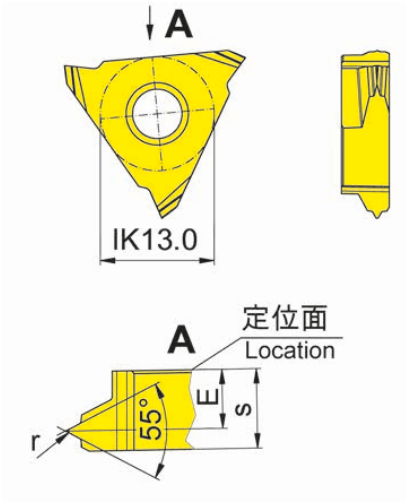
硬质合金牌号
Carbide grades

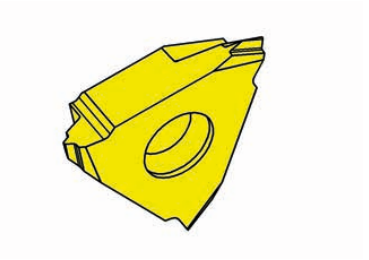
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	P	E	t_{max}	b	s	D_{min}	HIS	TN35
R315.0510.02	1	4.85	0.55	0.12	5.45	40	31505R	Δ
R315.0815.02	1.5	4.65	0.81	0.18	5.45	40	31505R	▲
R315.1020.02	2	4.45	1.08	0.25	5.45	40	31505R	▲
R315.1325.02	2.5	4.25	1.35	0.31	5.45	43	31505R	Δ
R315.1630.02	3	4.05	1.62	0.37	5.45	43	31505R	▲
R315.1835.02	3.5	3.9	1.89	0.43	5.45	43	31505R	Δ
L315.0510.02	1	4.85	0.55	0.12	5.45	40	31505L	Δ
L315.0815.02	1.5	4.65	0.81	0.18	5.45	40	31505L	Δ
L315.1020.02	2	4.45	1.08	0.25	5.45	40	31505L	Δ
L315.1325.02	2.5	4.25	1.35	0.31	5.45	43	31505L	Δ
L315.1630.02	3	4.05	1.62	0.37	5.45	43	31505L	Δ
L315.1835.02	3.5	3.9	1.89	0.43	5.45	43	31505L	Δ

P	●
M	●
K	●
N	●
S	●
H	-





R=右手型-如图
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L = left hand version

硬质合金牌号
Carbide grades

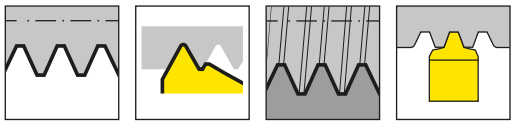
▲ 库存
on stock

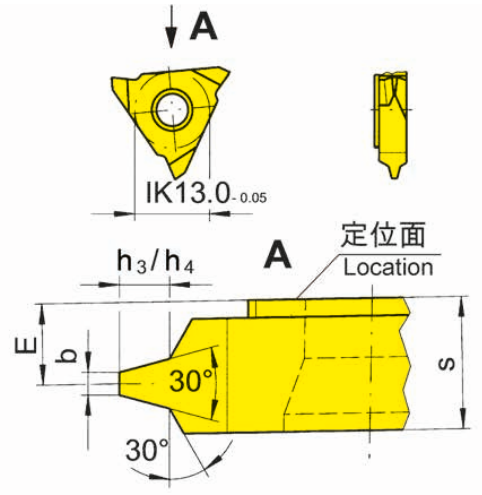
Δ 4周
4 weeks

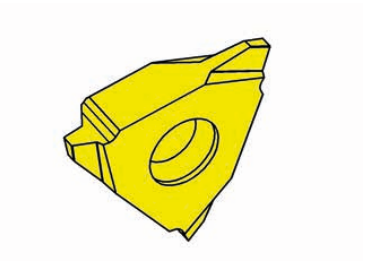
S

产品型号 Part number	TPI	E	r	s	HIS	TH35
R315.5528.02	28	4.35	0.11	5.45	31505R	Δ
R315.5519.02	19	4.05	0.17	5.45	31505R	▲
R315.5514.02	14	3.75	0.23	5.45	31505R	▲
R315.5511.02	11	3.55	0.3	5.45	31505R	▲
L315.5528.02	28	4.35	0.11	5.45	31505L	Δ
L315.5519.02	19	4.05	0.17	5.45	31505L	Δ
L315.5514.02	14	3.75	0.23	5.45	31505L	Δ
L315.5511.02	11	3.55	0.3	5.45	31505L	Δ

P	●
M	●
K	●
N	●
S	●
H	-







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硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	P	E	h_1	b	s	D_{min}	HIS	TN35
R315.1015.02	1.5	4.5	0.9	0.47	5.45	43	31505R	▲
R315.1320.02	2	4.3	1.25	0.6	5.45	43	31505R	▲
R315.1730.02	3	4	1.75	0.96	5.45	43	31505R	▲
R315.2240.02	4	3.6	2.25	1.33	5.45	43	31505R	▲
R315.2750.02	5	3.3	2.75	1.7	5.45	43	31505R	▲
R315.3560.02	6	3	3.5	1.93	5.45	43	31505R	▲
L315.1015.02	1.5	4.5	0.9	0.47	5.45	43	31505L	Δ
L315.1320.02	2	4.3	1.25	0.6	5.45	43	31505L	Δ
L315.1730.02	3	4	1.75	0.96	5.45	43	31505L	▲
L315.2240.02	4	3.6	2.25	1.33	5.45	43	31505L	▲
L315.2750.02	5	3.3	2.75	1.7	5.45	43	31505L	▲
L315.3560.02	6	3	3.5	1.93	5.45	43	31505L	▲

P	●
M	●
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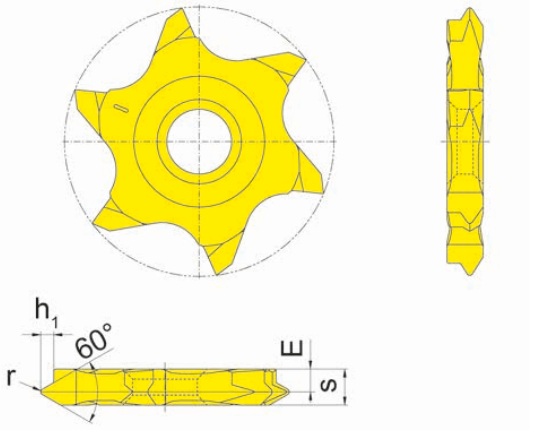
可转位刀片
Indexable insert

S64T



硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

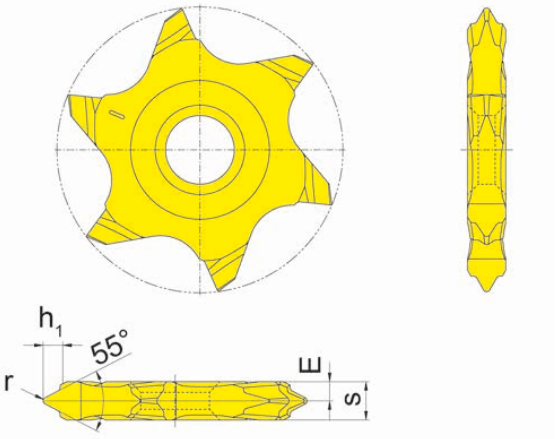
产品型号 Part number	P	E	r	h_1	s	HIS	EG55
RS64T.0610.02	1	2.5	0.14	0.62	3.4	64T02R	▲
RS64T.0712.02	1.25	2.5	0.17	0.78	3.4	64T02R	▲
RS64T.0915.02	1.5	2.2	0.21	0.93	3.4	64T02R	▲
RS64T.1017.02	1.75	2.2	0.25	1.08	3.4	64T02R	▲
RS64T.1220.02	2	2.15	0.28	1.24	3.4	64T02R	▲
LS64T.0610.02	1	2.5	0.14	0.62	3.4	64T02L	Δ
LS64T.0712.02	1.25	2.5	0.17	0.78	3.4	64T02L	Δ
LS64T.0915.02	1.5	2.2	0.21	0.93	3.4	64T02L	Δ
LS64T.1017.02	1.75	2.2	0.25	1.08	3.4	64T02L	Δ
LS64T.1220.02	2	2.15	0.28	1.24	3.4	64T02L	Δ

P	●
M	o
K	o
N	-
S	-
H	-

S

可转位刀片
Indexable insert

S64T



S

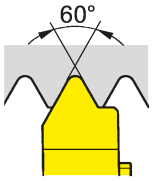
硬质合金牌号
Carbide grades

▲ 库存
on stock

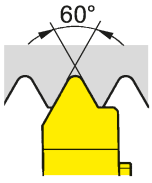
Δ 4周
4 weeks

产品型号 Part number	TPI	E	r	h_1	s	HIS	EG55
RS64T.5519.02	19	2	0.17	0.87	3.4	64T02R	Δ
RS64T.5528.02	28	2.3	0.11	0.6	3.4	64T02R	Δ
LS64T.5519.02	19	2	0.17	0.87	3.4	64T02L	Δ
LS64T.5528.02	28	2.3	0.11	0.6	3.4	64T02L	Δ
NS64T.5511.02	11	1.7	0.3	1.5	3.4	64T02N	▲
NS64T.5514.02	14	1.7	0.23	1.18	3.4	64T02N	▲

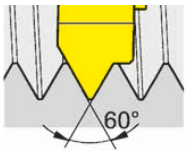
P	●
M	o
K	o
N	-
S	-
H	-



ISO米制标准螺纹(外圆) Metric ISO standard thread (external)	非全牙型 Partial profile	全牙型 Full profile
M6 (M7)	R/L315.0610.01	R/L315.0610.02
M8 (M9)	R/L315.0712.01	R/L315.0712.02
M10 (M11)	R/L315.0915.01	R/L315.0915.02
M12	R/L315.1017.01	R/L315.1017.02
M14, M16	R/L315.1220.01	R/L315.1220.02
M18, M20, M22	R/L315.1525.01	R/L315.1525.02
M24, M27	R/L315.1830.01	R/L315.1525.02
M30, M33	R/L315.2135.01	R/L315.2135.02
M36	-	R/L315.2440.02
M24 - M68	R/L315.3060.01	-
M48, M52	-	R/L315.3050.02
M64, M68	-	R/L315.3660.02

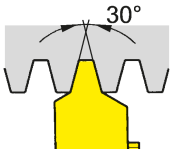


ISO米制细牙螺纹(外圆) Metric ISO fine thread (external)	非全牙型 Partial profile	全牙型 Full profile
M7.5x1	R/L315.0610.01	R/L315.0610.02
M10x1.25	R/L315.0712.01	R/L315.0712.02
M12x1.5	R/L315.0915.01	R/L315.0915.02
M17x2	R/L315.1220.01	R/L315.1220.02
M24x2.5	R/L315.1525.01	R/L315.1525.02
M30x3	R/L315.1830.01	R/L315.1525.02



ISO米制细牙螺纹(外圆) Metric ISO fine thread (internal)	非全牙型 Partial profile	全牙型 Full profile
M45x1	R/L315.0510.01	R/L315.0510.02
M45x1.5	R/L315.0815.01	R/L315.0815.02
M48x2	R/L315.1020.01	R/L315.1020.02
M48x2.5	R/L315.1325.01	R/L315.1325.02
M48x3	R/L315.1630.01	R/L315.1630.02
M48x3.5	R/L315.1835.01	R/L315.1835.02

惠氏螺纹 (外圆) Whitworth Thread (external)	全牙型 Full profile
$G^{1/16}$ / $G^{1/8}$	R/L315.5528.02
$G^{1/4}$ / $G^{3/8}$	R/L315.5519.02
$G^{1/2}$ / $G^{3/4}$	R/L315.5514.02
G1 - G6	R/L315.5511.02



ISO米制梯形螺纹 DIN103 (外圆) Metric ISO trapezoidal thread DIN103 (external)	全牙型 Full profile
Tr8x1,5	R/L315.1015.02
Tr9-10x2	R/L315.1320.02
Tr12-14x3	R/L315.1730.02
Tr16-20x4	R/L315.2240.02
Tr22-28x5	R/L315.2750.02
Tr30-36x6	R/L315.3560.02

推荐走刀次数
Recommended number of passes

	钢 (Nmm² 拉伸强度) Steel (N/mm² Tensile strength)					不锈钢 Stainless steel	灰铸铁 Grey cast iron	铝 Al
	400-500	500-700	700-850	850-1150	> 1150			
V_{max} m/min	160	140	120	90	70	90	100	300

螺距 Pitch		走刀次数 Number of passes							
	每英寸齿数 tpi	钢 (Nmm² 拉伸强度) Steel (N/mm² Tensile strength)					不锈钢 Stainless steel	灰铸铁 Grey cast iron	铝 Al
mm		400-500	500-700	700-850	850-1150	> 1150			
0.8	32	8	8	9	9	10	10	9	8
1.0	24	10	10	12	12	12	12	12	10
1.25	20-19	12	12	14	14	15	15	14	12
1.5	16	15	15	17	17	18	18	17	15
1.75	14	17	17	19	19	21	21	18	17
2.0	12-11	19	20	22	22	25	25	20	18
2.5	10	22	24	26	26	31	31	22	20
3.0-3.5	8	28	30	32	32	38	38	24	22

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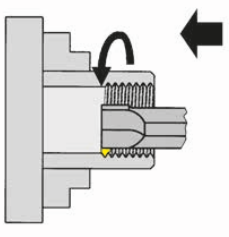
上表中推荐的走刀次数是近似值.
请注意:
-为避免切削刃破损,切割深度不宜过深
-精加工(零切深)不被考虑在表中

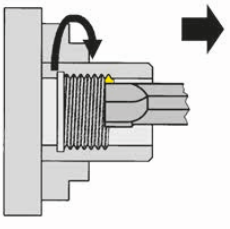
The recommended number of passes in the above table are approxiamte figures.
Please note:
- to avoid breakages at the cuttinge edge, the depth of cut at the first pass should not be to deep
- finishing passes (with zero depth of cut) are not considered in the table

内螺纹进给方向
Feed direction internal threading

右手螺纹
Right hand thread

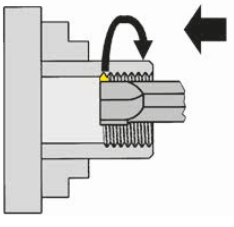


右手刀杆
Toolholder right hand

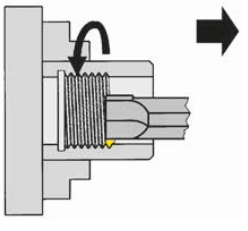


左手刀杆
Toolholder left hand

左手螺纹
Left hand thread



左手刀杆
Toolholder left hand



右手刀杆
Toolholder right hand

进给
In-Feed

径向进给
同时切削刀片两边的材料,这是加工螺纹时最普通的方法.

Radial In-Feed
Metal removed on both sides of the insert simultaneously. The most commonly used method for thread production.

改进的侧进给
更小的后刀面磨损和相应的工件侧面上的更好的表面光洁度.

Modified flank in-feed
Less wear of the trailing edge and better surface finish on corresponding flank.

变化的后刀面进给
两个刃都被充分利用,意味着刀片寿命更长.

Alternating flank in-feed
Both edges are being fully utilised which means longer insert life.

后刀面进给
更好的断屑和散热.

Flank in-feed
More easily formed chip and better heat dissipation.

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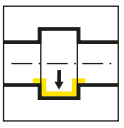
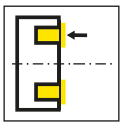
系列/System	页/Page
105/109/110	**506**
114	**526**
15A/25A	**536**
224	**548**
229	**564**
231	**584**
312	**590**
A315	**596**

端面切槽
Face Grooving

刀杆
Toolholder
B105/BU105/H105/
HC105/VDI/B109/B110



页/Page
508-512



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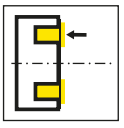
刀片
Insert
105/A105/A109/A110



页/Page
513-517, 519-520,
522, 524-525

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105/109/110

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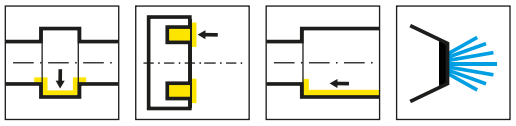
刀杆和刀片

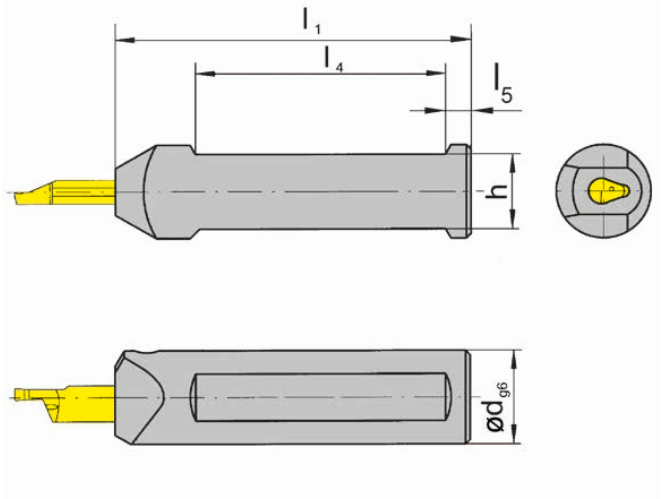
槽宽0.5 - 3 mm

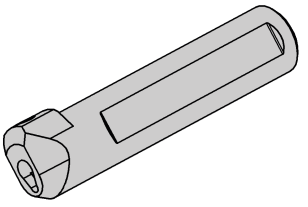
Toolholder and Inserts

Width of groove 0,5 - 3 mm

B105







图示=左手型切削
Picture = left hand cutting version

产品型号 Part number	d	l_1	h	l_4	HWS
B105.0010.01	10	75	9	50	105123 • 105124 • 105125
B105.0012.01	12	75	11	50	105123 • 105124 • 105125
B105.0016.01	16	75	14	50	105123 • 105124 • 105125
B105.0020.01	20	90	18	55	105123 • 105124 • 105125
B105.0022.01	22	90	20	55	105123 • 105124 • 105125
B105.0025.01	25	100	23	55	105123 • 105124 • 105125

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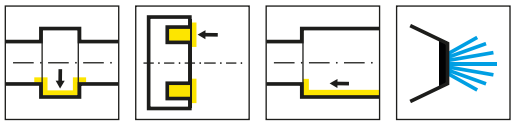
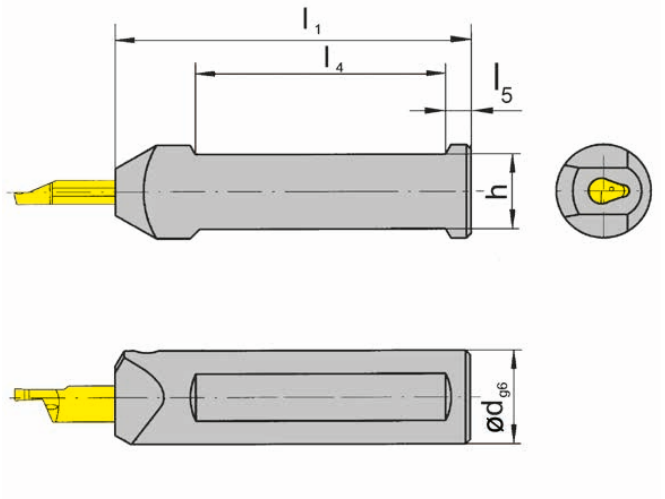
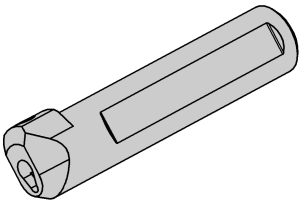
配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
B105...	**6.075T15P**	**T15PQ**

B105 / BU105







图示=右手型
Picture = right hand cutting version

产品型号 Part number	d	l_1	h	l_4	l_5	HWS
B105.0028.01	28	120	26	72	12	105123 • 105124 • 105125
BU105.0750.5.01	3/4“	90	17.04	70	5	105123 • 105124 • 105125
BU105.0750.5.3.01	3/4“	152.5	17.05	70	5	105123 • 105124 • 105125
BU105.1000.5.01	1“	90	23.4	65	5	105123 • 105124 • 105125
BU105.1000.5.3.01	1“	152.5	23.4	70	5	105123 • 105124 • 105125

单位:inch和mm
Dimensions in inch and mm

不包含内冷接口 M12×1.5 用于TRAUB机床 刀杆和刀片
Adapter of cooling M12x1,5 for Traub machines
Coolant supply is not included.

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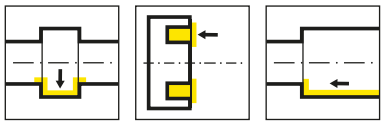
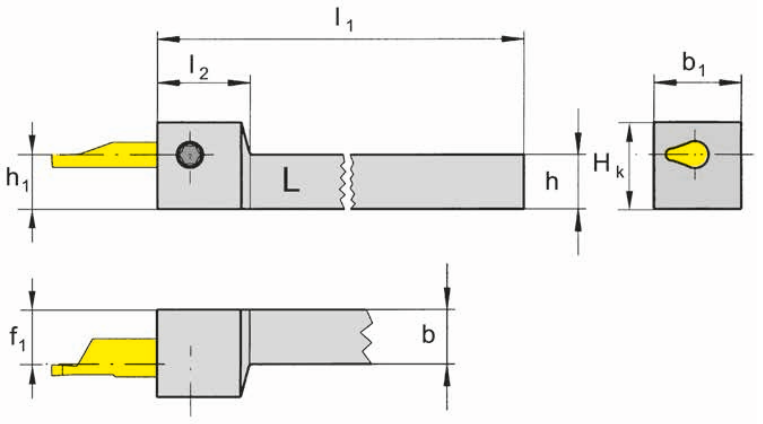
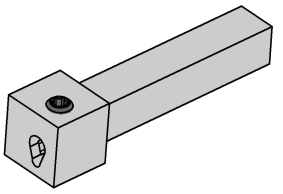
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
B/BU105...	**6.075T15P**	**T15PQ**

H105







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

产品型号 Part number	h	b	l_1	h_1	b_1	f_1	H_K	l_2	HWS
RH105.0808.01	8	8	90	8	16	7.5	14	17	105123 • 105124 • 105125
RH105.1010.01	10	10	90	10	16	7.5	16	17	105123 • 105124 • 105125
RH105.1212.01	12	12	90	12	16	7.5	18	17	105123 • 105124 • 105125
RH105.1616.01	16	16	110	16	16	7.5	22	17	105123 • 105124 • 105125
LH105.0808.01	8	8	90	8	16	7.5	14	17	105123 • 105124 • 105125
LH105.1010.01	10	10	90	10	16	7.5	16	17	105123 • 105124 • 105125
LH105.1212.01	12	12	90	12	16	7.5	18	17	105123 • 105124 • 105125
LH105.1616.01	16	16	110	16	16	7.5	22	17	105123 • 105124 • 105125

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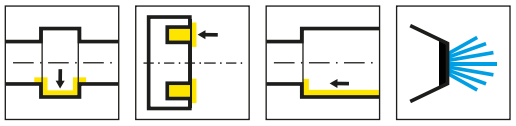
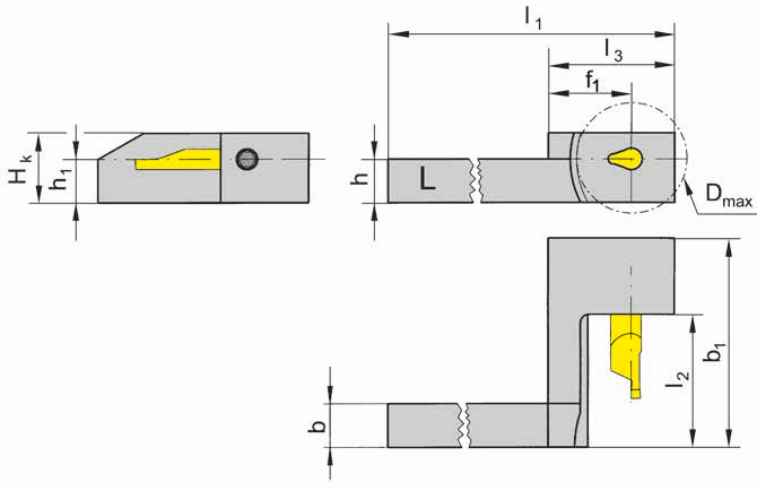
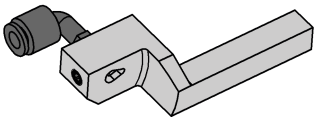
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH105...	**6.075T15P**	**T15PQ**

HC105







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

产品型号 Part number	h	b	l_1	l_3	h_1	b_1	f_1	$D_{a\,max}$	H_K	l_2	HWS
RHC105.0808.21	8	8	99	29	8	32	19	26	13	18	105123 • 105124 • 105125
RHC105.1010.11	10	10	99	29	10	22.7	19	26	16	8	105123 • 105124 • 105125
RHC105.1010.21	10	10	99	29	10	38	19	26	16	18	105123 • 105124 • 105125
RHC105.1010.41	10	10	99	29	10	48	19	26	16	28	105123 • 105124 • 105125
RHC105.1212.21	12	12	99	29	12	38	19	26	18	18	105123 • 105124 • 105125
RHC105.1212.41	12	12	99	29	12	48	19	26	18	28	105123 • 105124 • 105125
RHC105.1616.21	16	16	104	34	16	38	24	36	22	18	105123 • 105124 • 105125
RHC105.1616.41	16	16	104	34	16	48	24	36	22	28	105123 • 105124 • 105125
LHC105.0808.21	8	8	99	29	8	32	19	26	13	18	105123 • 105124 • 105125
LHC105.1212.21	12	12	99	29	12	38	19	26	18	18	105123 • 105124 • 105125
LHC105.1616.21	16	16	104	34	16	38	24	36	22	18	105123 • 105124 • 105125

R/LHC105.07.../.08.../.1010.11 =无内冷!
R/LHC105.07.../.08.../.1010.11 = no through coolant supply!

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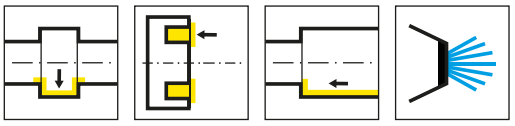
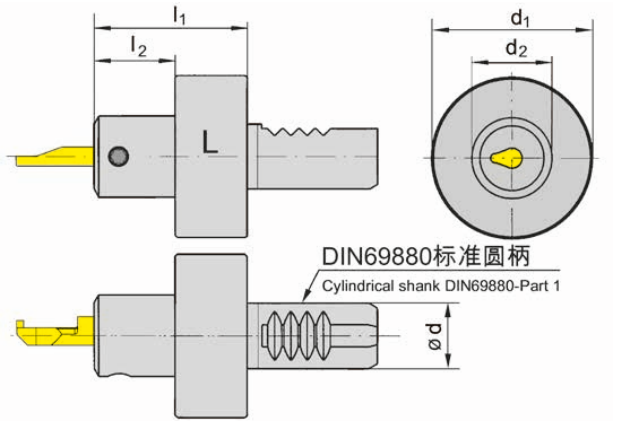
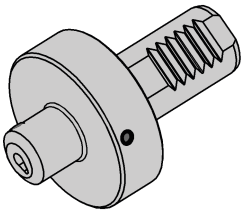
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LHC105...	**6.075T15P**	**T15PQ**







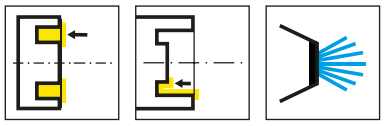
L=左手型-如图
L = left hand version shown

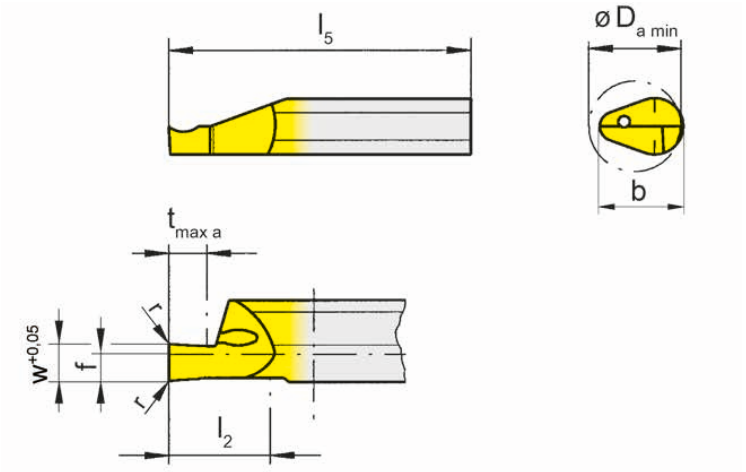
R=右手型
R = right hand version

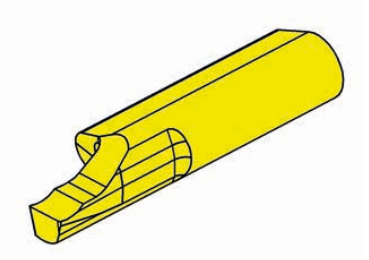
产品型号 Part number	d	l_1	l_2	d_2	d_1	HWS
VDI16.L105.20.01	16	38	20	20	40	105123 • 105124 • 105125
VDI16.R105.20.01	16	38	20	20	40	105123 • 105124 • 105125
VDI20.L105.20.01	20	38	20	20	50	105123 • 105124 • 105125
VDI20.R105.20.01	20	38	20	20	50	105123 • 105124 • 105125
VDI25.L105.20.01	25	38	20	20	58	105123 • 105124 • 105125
VDI25.R105.20.01	25	38	20	20	58	105123 • 105124 • 105125
VDI30.L105.20.01	30	38	20	20	68	105123 • 105124 • 105125
VDI30.R105.20.01	30	38	20	20	68	105123 • 105124 • 105125
VDI40.L105.20.01	40	38	20	20	83	105123 • 105124 • 105125
VDI40.R105.20.01	40	38	20	20	83	105123 • 105124 • 105125

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
VDI16...	**6.075T15P**	**T15PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	f	b	l_2	l_5	$t_{max\ a}$	$D_{a\ min}$	HIS	MG12	AN25	EG35	ES15	TI25
R105.0505.1.8	0.5	-	2	7	10	25	2	5	105125		▲	▲	▲	
R105.0510.1.8	1	0.05	2	7	10	25	2	5	105125	▲		▲		▲
R105.0515.1.8	1.5	0.05	2	7	10	25	3	5	105125	▲		▲		▲
R105.0520.1.8	2	0.05	2	7	10	25	5	5	105125	▲		▲		▲
R105.0510.2.8	1	0.05	2	7	15	35	2	5	105125	Δ		▲		▲
R105.0515.2.8	1.5	0.05	2	7	15	35	3	5	105125	Δ		▲		▲
R105.0520.2.8	2	0.05	2	7	15	35	5	5	105125	Δ		▲		▲
L105.0510.1.8	1	0.05	2	7	10	25	2	5	105125	▲		▲		▲
L105.0515.1.8	1.5	0.05	2	7	10	25	3	5	105125	▲		▲		▲
L105.0520.1.8	2	0.05	2	7	10	25	5	5	105125	Δ		▲		▲
L105.0510.2.8	1	0.05	2	7	15	35	2	5	105125	Δ		Δ		▲
L105.0515.2.8	1.5	0.05	2	7	15	35	3	5	105125	Δ		▲		▲
L105.0520.2.8	2	0.05	2	7	15	35	5	5	105125	Δ		▲		▲
										P	o	●	●	●	●
										M	-	o	●	o	●
										K	-	-	o	●	●
										N	-	-	-	-	●
										S	-	-	-	-	●
										H	-	-	-	-	-

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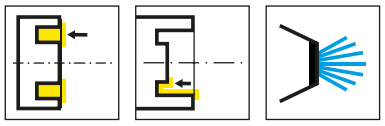
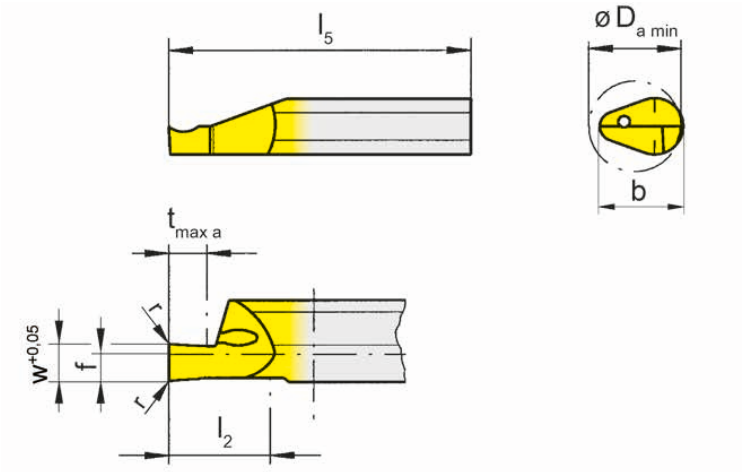
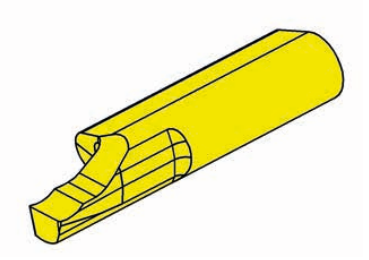






R=右手型-如图
R = right hand version shown

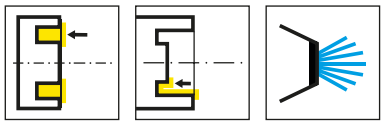
L=左手型
L = left hand version

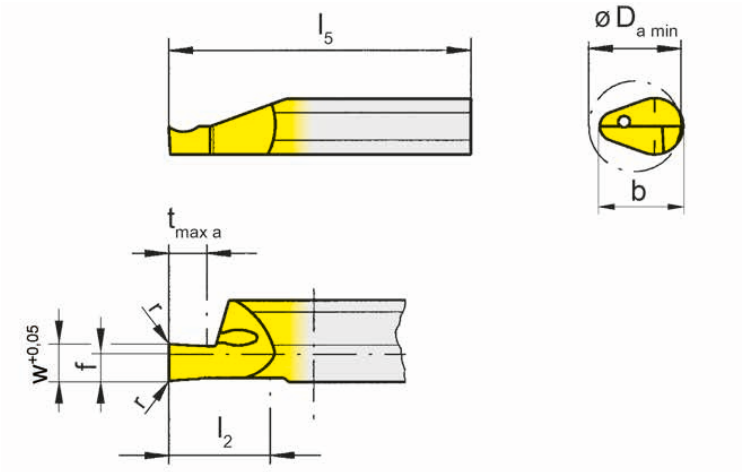
▲ 库存
on stock

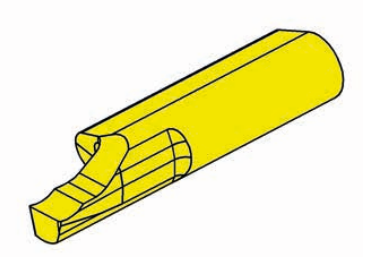
Δ 4周
4 weeks

产品型号 Part number	w	r	f	b	l_2	l_5	$t_{max\ a}$	$D_{a\ min}$	HIS	硬质合金牌号 Carbide grades MG12	EG35	TI25
R105.0610.1.8	1	0.05	2	7	10	25	2	6	105125	▲	▲	▲
R105.0615.1.8	1.5	0.05	2	7	10	25	3	6	105125	▲	▲	▲
R105.0620.1.8	2	0.05	2	7	10	25	5	6	105125	▲	▲	▲
R105.0610.2.8	1	0.05	2	7	15	35	2	6	105125	▲	▲	▲
R105.0615.2.8	1.5	0.05	2	7	15	35	3	6	105125	▲	▲	▲
R105.0620.2.8	2	0.05	2	7	15	35	5	6	105125	▲	▲	▲
L105.0610.1.8	1	0.05	2	7	10	25	2	6	105125	Δ	▲	▲
L105.0615.1.8	1.5	0.05	2	7	10	25	3	6	105125	Δ	▲	▲
L105.0620.1.8	2	0.05	2	7	10	25	5	6	105125	Δ	▲	▲
L105.0610.2.8	1	0.05	2	7	15	35	2	6	105125	Δ	Δ	▲
L105.0615.2.8	1.5	0.05	2	7	15	35	3	6	105125	Δ	Δ	▲
L105.0620.2.8	2	0.05	2	7	15	35	5	6	105125	Δ	Δ	▲

P	o	●	●
M	-	●	●
K	-	o	●
N	-	-	●
S	-	-	●
H	-	-	-







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

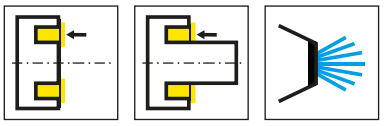
硬质合金牌号
Carbide grades

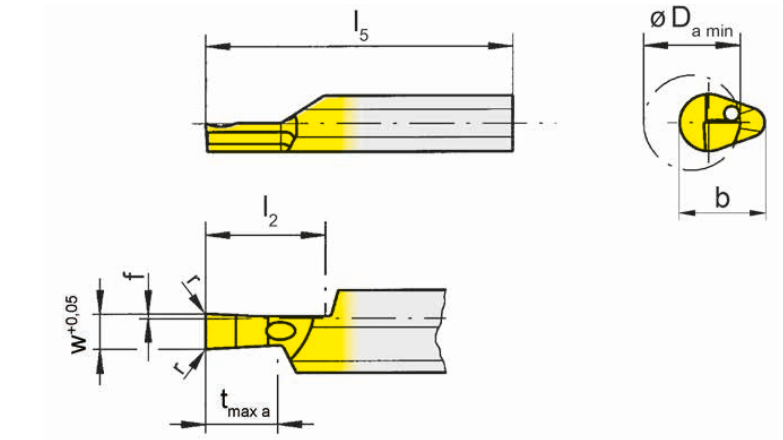
▲ 库存
on stock

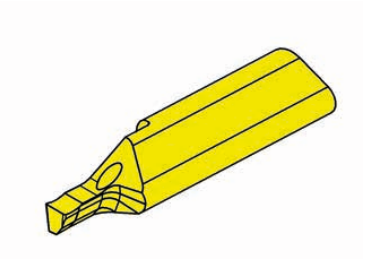
Δ 4周
4 weeks

产品型号 Part number	w	r	f	b	l_2	l_5	$t_{max\ a}$	$D_{a\ min}$	HIS	EG35	TI25
R105.0810.1.8	1	0.15	2	7	10	25	2	8	105125	▲	▲
R105.0815.1.8	1.5	0.15	2	7	10	25	3	8	105125	▲	▲
R105.0820.1.8	2	0.15	2	7	10	25	4	8	105125	▲	▲
R105.0825.1.8	2.5	0.15	2	7	10	25	5	8	105125	▲	▲
R105.0830.1.8	3	0.15	2	7	10	25	6	8	105125	▲	▲
R105.0810.2.8	1	0.15	2	7	15	35	2	8	105125	▲	▲
R105.0815.2.8	1.5	0.15	2	7	15	35	3	8	105125	▲	▲
R105.0820.2.8	2	0.15	2	7	15	35	4	8	105125	▲	▲
R105.0825.2.8	2.5	0.15	2	7	15	35	5	8	105125	▲	▲
R105.0830.2.8	3	0.15	2	7	15	35	6	8	105125	▲	▲
L105.0810.1.8	1	0.15	2	7	10	25	2	8	105125	▲	▲
L105.0815.1.8	1.5	0.15	2	7	10	25	3	8	105125	▲	▲
L105.0820.1.8	2	0.15	2	7	10	25	4	8	105125	▲	▲
L105.0825.1.8	2.5	0.15	2	7	10	25	5	8	105125	▲	▲
L105.0830.1.8	3	0.15	2	7	10	25	6	8	105125	▲	▲
L105.0810.2.8	1	0.15	2	7	15	35	2	8	105125	▲	▲
L105.0815.2.8	1.5	0.15	2	7	15	35	3	8	105125	▲	▲
L105.0820.2.8	2	0.15	2	7	15	35	4	8	105125	▲	▲
L105.0825.2.8	2.5	0.15	2	7	15	35	5	8	105125	▲	▲
L105.0830.2.8	3	0.15	2	7	15	35	6	8	105125	▲	▲
										P ●	●
										M ●	●
										K o	●
										N -	●
										S -	●
										H -	-

T







R=右手型-如图
R = right hand version shown

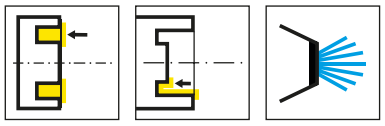
L=左手型
L = left hand version

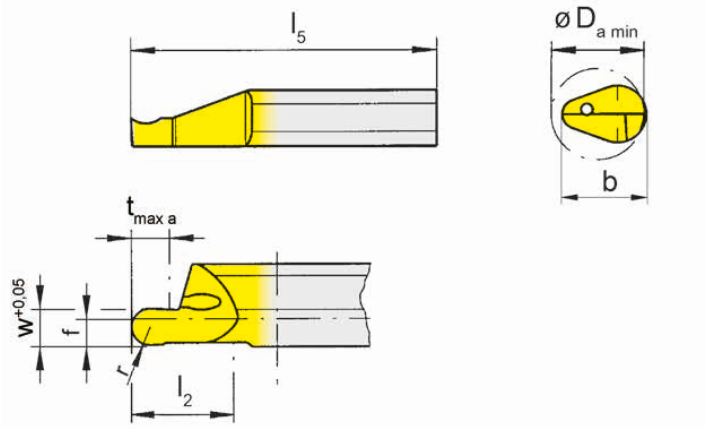
硬质合金牌号
Carbide grades

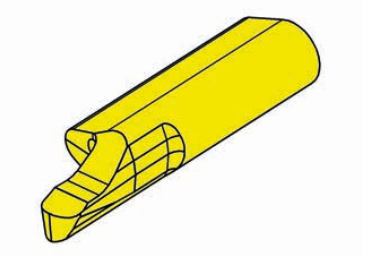
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	f	b	l_2	l_5	$t_{max\ a}$	$D_{a\ min}$	HIS	EG35	TI25
R105.0810.1.9	1	0.15	0.4	7	10	25	2	8	105125	▲	▲
R105.0815.1.9	1.5	0.15	0.4	7	10	25	3	8	105125	▲	▲
R105.0820.1.9	2	0.15	0.4	7	10	25	4	8	105125	▲	▲
R105.0825.1.9	2.5	0.15	0.4	7	10	25	5	8	105125	▲	▲
R105.0830.1.9	3	0.15	0.4	7	10	25	6	8	105125	▲	▲
L105.0810.1.9	1	0.15	0.4	7	10	25	2	8	105125	▲	▲
L105.0815.1.9	1.5	0.15	0.4	7	10	25	3	8	105125	▲	▲
L105.0820.1.9	2	0.15	0.4	7	10	25	4	8	105125	▲	▲
L105.0825.1.9	2.5	0.15	0.4	7	10	25	5	8	105125	▲	▲
L105.0830.1.9	3	0.15	0.4	7	10	25	6	8	105125	▲	▲
										P ●	●
										M ●	●
										K o	●
										N -	●
										S -	●
										H -	-







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

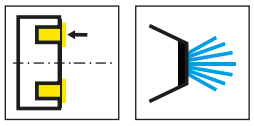
▲ 库存
on stock

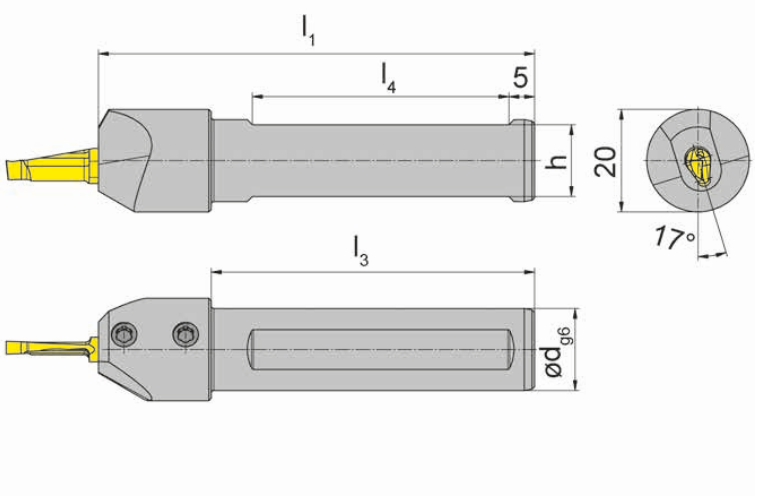
Δ 4周
4 weeks

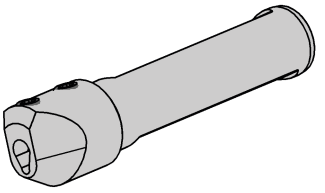
产品型号 Part number	w	r	f	b	l_2	l_5	$t_{max\ a}$	$D_{a\ min}$	HIS	EG35	TI25
R105.8V10.1.8	1	0.5	2	7	10	25	2	8	105125	▲	▲
R105.8V16.1.8	1.6	0.8	2	7	10	25	3	8	105125	▲	▲
R105.8V20.1.8	2	1	2	7	10	25	4	8	105125	▲	▲
R105.8V25.1.8	2.5	1.25	2	7	10	25	5	8	105125	▲	▲
R105.8V30.1.8	3	1.5	2	7	10	25	6	8	105125	▲	▲
R105.8V10.2.8	1	0.5	2	7	15	35	2	8	105125	▲	▲
R105.8V16.2.8	1.6	0.8	2	7	15	35	3	8	105125	▲	▲
R105.8V20.2.8	2	1	2	7	15	35	4	8	105125	▲	▲
R105.8V25.2.8	2.5	1.25	2	7	15	35	5	8	105125	▲	▲
R105.8V30.2.8	3	1.5	2	7	15	35	6	8	105125	▲	▲
L105.8V10.1.8	1	0.5	2	7	10	25	2	8	105125	▲	▲
L105.8V16.1.8	1.6	0.8	2	7	10	25	3	8	105125	▲	▲
L105.8V20.1.8	2	1	2	7	10	25	4	8	105125	▲	▲
L105.8V25.1.8	2.5	1.25	2	7	10	25	5	8	105125	Δ	▲
L105.8V30.1.8	3	1.5	2	7	10	25	6	8	105125	▲	▲
L105.8V10.2.8	1	0.5	2	7	15	35	2	8	105125	Δ	▲
L105.8V16.2.8	1.6	0.8	2	7	15	35	3	8	105125	Δ	▲
L105.8V20.2.8	2	1	2	7	15	35	4	8	105125	▲	▲
L105.8V25.2.8	2.5	1.25	2	7	15	35	5	8	105125	Δ	Δ
L105.8V30.2.8	3	1.5	2	7	15	35	6	8	105125	Δ	▲

P	●	●
M	●	●
K	o	●
N	-	●
S	-	●
H	-	-

T







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

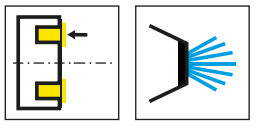
产品型号 Part number	d	l_1	l_3	h	l_4	HWS
RB105.0016.12.2	16	85	63	14	50	105225
RB105.0020.12.2	20	100	-	18	55	105225
LB105.0016.12.2	16	85	63	14	50	105225
LB105.0020.12.2	20	100	-	18	55	105225

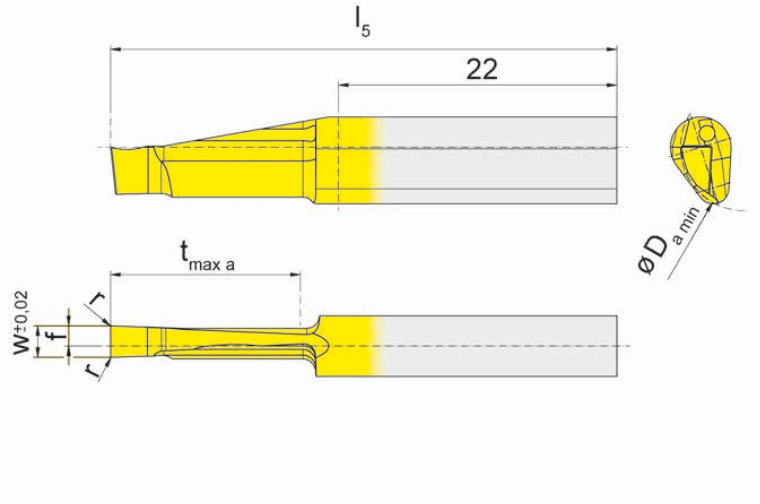
T

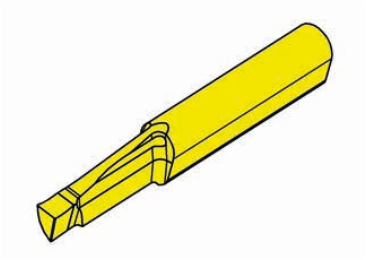
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LB105...	**6.075T15P**	**T15PQ**

A105







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

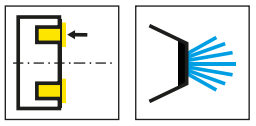
产品型号 Part number	w	r	f	l_5	$t_{max\ a}$	$D_{a\ min}$	HIS	EG35	TI25
RA105.1020.2.2	2	0.1	1.4	40	15	10	105225	▲	▲
RA105.1025.2.2	2.5	0.1	1.6	40	15	10	105225	▲	▲
RA105.1030.2.2	3	0.1	1	40	15	10	105225	▲	▲
LA105.1020.2.2	2	0.1	1.4	40	15	10	105225	▲	▲
LA105.1025.2.2	2.5	0.1	1.6	40	15	10	105225	▲	▲
LA105.1030.2.2	3	0.1	1	40	15	10	105225	▲	▲

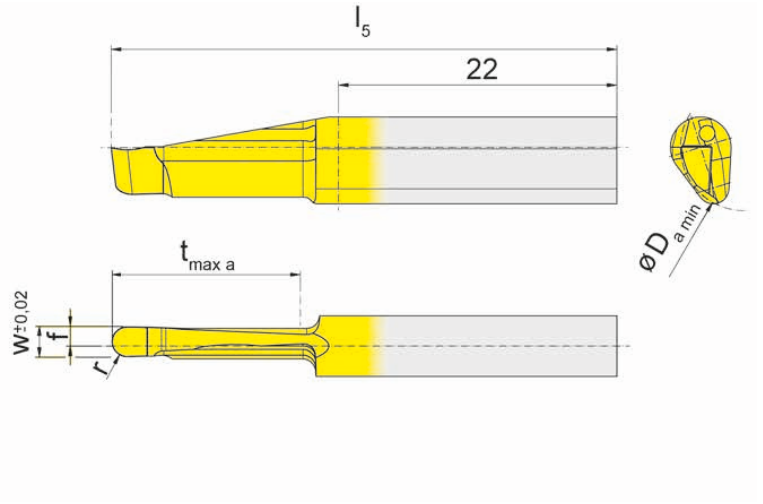
P	●	●
M	●	●
K	o	●
N	-	●
S	-	●
H	-	-

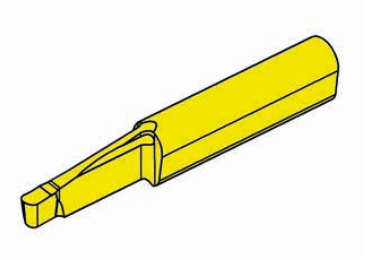
Da min在10和40mm之间时，可达到满切情况下的最大切深
Face grooving with full width of the full depth only possible between Da min 10 - 40 mm!

T

A105







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

▲ 库存
on stock

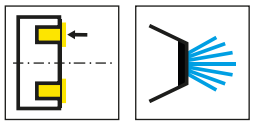
Δ 4周
4 weeks

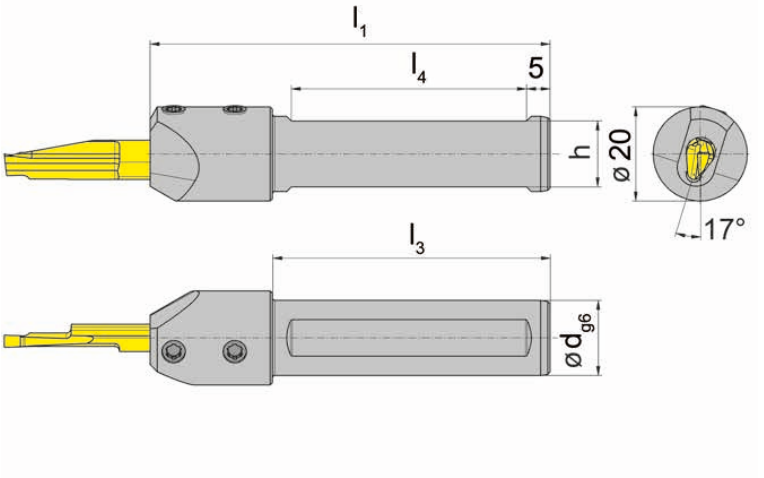
产品型号 Part number	w	r	f	l_5	$t_{max\ a}$	$D_{a\ min}$	HIS	硬质合金牌号 Carbide grades EG35	 TI25
RA105.1020.10.2.2	2	1	1.4	40	15	10	105225	▲	▲
RA105.1025.12.2.2	2.5	1.25	1.6	40	15	10	105225	Δ	▲
RA105.1030.15.2.2	3	1.5	1.9	40	15	10	105225	▲	▲
LA105.1020.10.2.2	2	1	1.4	40	15	10	105225	Δ	▲
LA105.1025.12.2.2	2.5	1.25	1.6	40	15	10	105225	Δ	Δ
LA105.1030.15.2.2	3	1.5	1.9	40	15	10	105225	Δ	▲

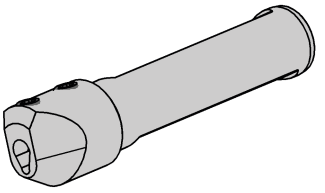
P	●	●
M	●	●
K	o	●
N	-	●
S	-	●
H	-	-

Da min在10和40mm之间时，可达到满切情况下的最大切深
Face grooving with full width of the full depth only possible between Da min 10 - 40 mm!

B109







R=右手型-如图
R = right hand version shown

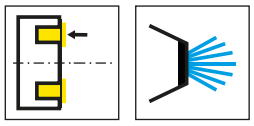
L=左手型
L = left hand version

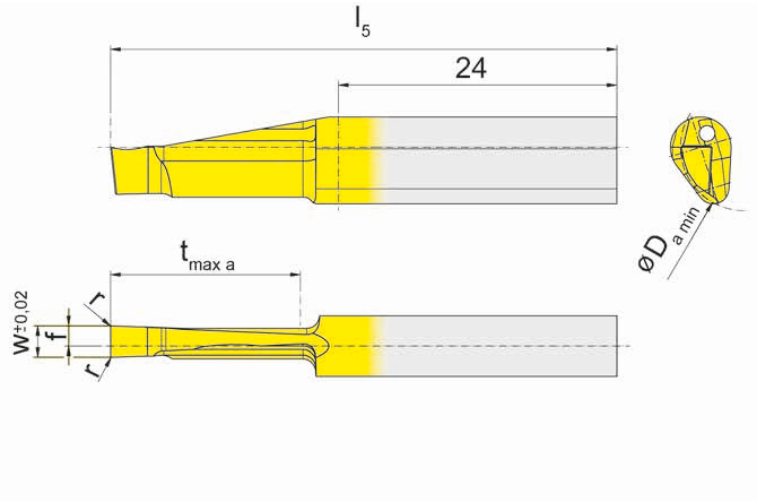
产品型号 Part number	d	l_1	l_3	h	l_4	HWS
RB109.0016.14.2	16	85	59	14	50	109240
LB109.0016.14.2	16	85	59	14	50	109240

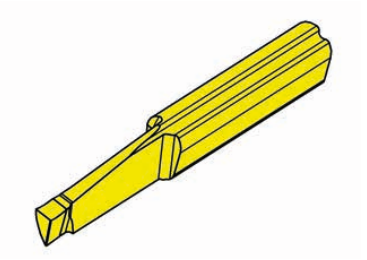
T

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LB109.0016.14.2	**6.075T15P**	**T15PQ**







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

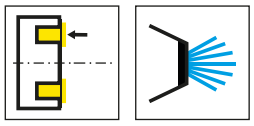
Δ 4周
4 weeks

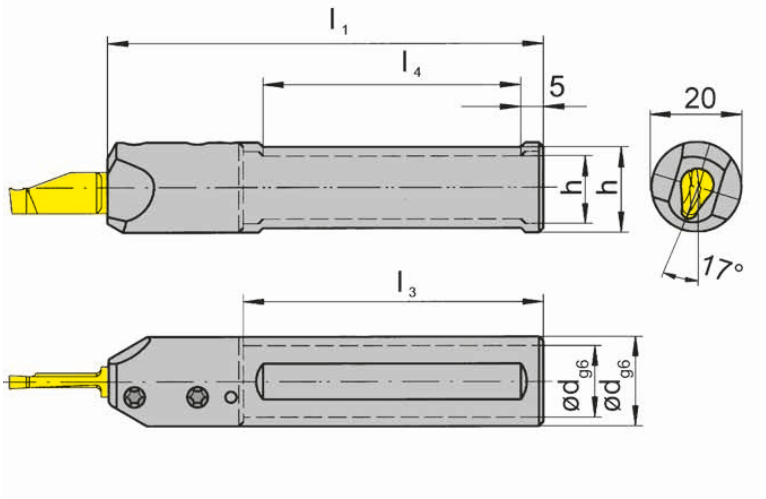
产品型号 Part number	w	r	f	l_5	$t_{max\ a}$	$D_{a\ min}$	HIS	TI25
RA109.1520.3.2	2	0.1	1	48	20	15	109240	▲
RA109.1525.3.2	2.5	0.1	1.2	48	20	15	109240	▲
RA109.1530.3.2	3	0.1	1.5	48	20	15	109240	▲
LA109.1520.3.2	2	0.1	1	48	20	15	109240	Δ
LA109.1525.3.2	2.5	0.1	1.2	48	20	15	109240	Δ
LA109.1530.3.2	3	0.1	1.5	48	20	15	109240	▲

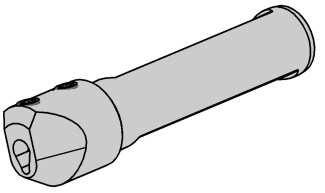
P	●
M	●
K	●
N	●
S	●
H	-

Da min在15和40mm之间时，可达到满切情况下的最大切深
Face grooving with full width of the full depth only possible between Da min 15 - 40 mm!

T







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

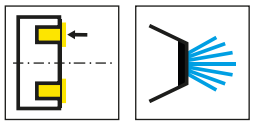
产品型号 Part number	d	l_1	l_3	h	l_4	HWS
RB110.0016.16.2	16	100	70	14	55	110260
RB110.0020.16.2	20	100	-	18	55	110260
LB110.0016.16.2	16	100	70	14	55	110260
LB110.0020.16.2	20	100	-	18	55	110260

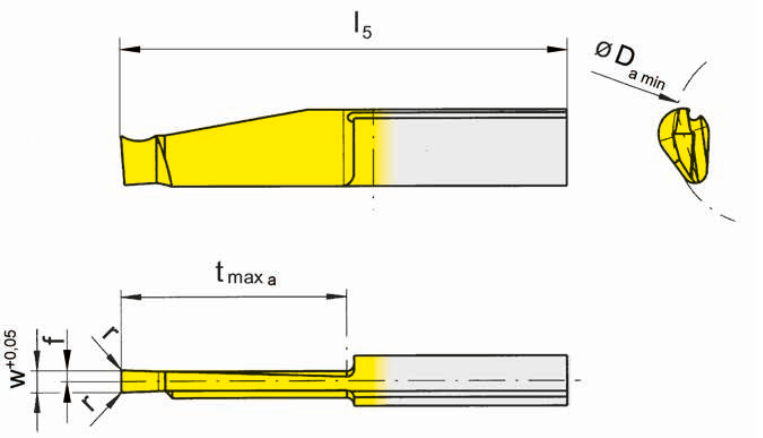
T

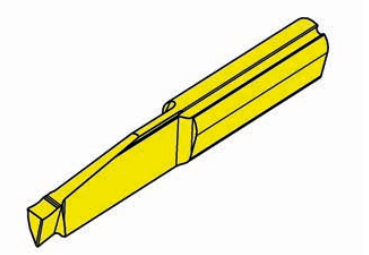
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LB110...	**6.075T15P**	**T15PQ**

A110







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

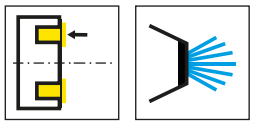
硬质合金牌号
Carbide grades

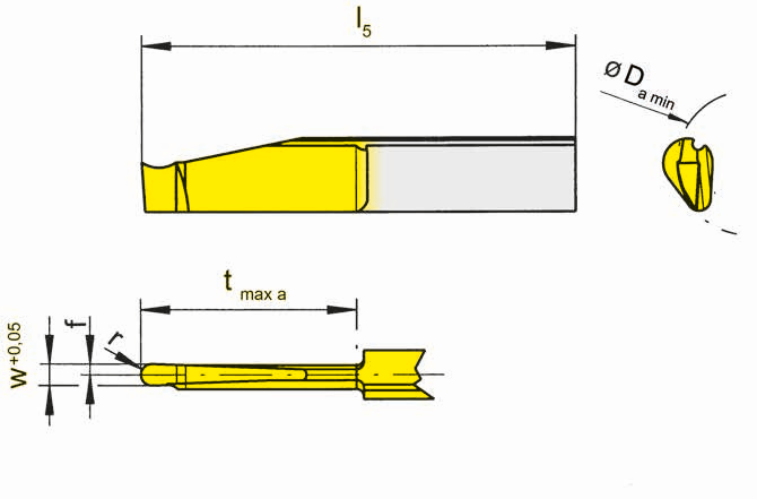
▲ 库存
on stock

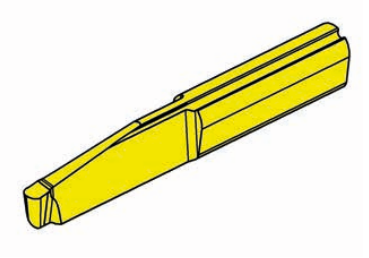
Δ 4周
4 weeks

产品型号 Part number	w	r	f	l_5	$t_{max\ a}$	$D_{a\ min}$	HIS	EG35	TH35	TI25	TN35
RA110.2030.3.0	3	0.2	1.5	50	20	20	110260	▲	▲	▲	▲
RA110.2030.5.0	3	0.2	1.5	60	30	20	110260	▲	▲	▲	▲
RA110.5030.3.0	3	0.2	1.5	50	20	50	110260	▲		▲	
RA110.5030.5.0	3	0.2	1.5	60	30	50	110260	▲		▲	
LA110.2030.3.0	3	0.2	1.5	50	20	20	110260	▲	▲	▲	▲
LA110.2030.5.0	3	0.2	1.5	60	30	20	110260	▲	▲	▲	▲
LA110.5030.3.0	3	0.2	1.5	50	20	50	110260	▲		▲	
LA110.5030.5.0	3	0.2	1.5	60	30	50	110260	▲		▲	
								P	●	●	●	●
								M	●	●	●	●
								K	o	●	●	●
								N	-	●	●	●
								S	-	●	●	●
								H	-	-	-	-

Da min在20和50mm之间时，端面切槽可达满切下的最大切深。
Face grooving with full width of the full depth only possible between Da min 20 - 50 mm.







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	f	l_5	$t_{max\ a}$	$D_{a\ min}$	HIS	EG35	TN35
RA110.2030.15.5.0	3	1.5	1.5	60	30	20	110260	▲	▲
LA110.2030.15.5.0	3	1.5	1.5	60	30	20	110260	▲	▲

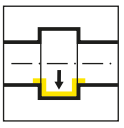
Da min在20和50mm之间时，端面切槽可达满切下的最大切深。
Face grooving with full width of the full depth only possible between Da min 20 - 50 mm.

P	●	●
M	●	●
K	o	●
N	-	●
S	-	●
H	-	-

T

端面切槽
Face Grooving

刀杆
Toolholder
B114/BA114/HC114



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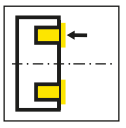
528-529



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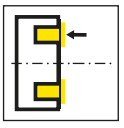
530-531

刀片
Insert
114



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532-535

T

114

T

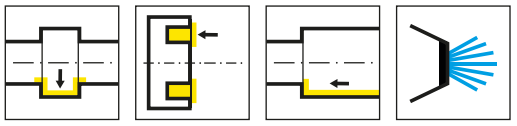
刀杆和刀片

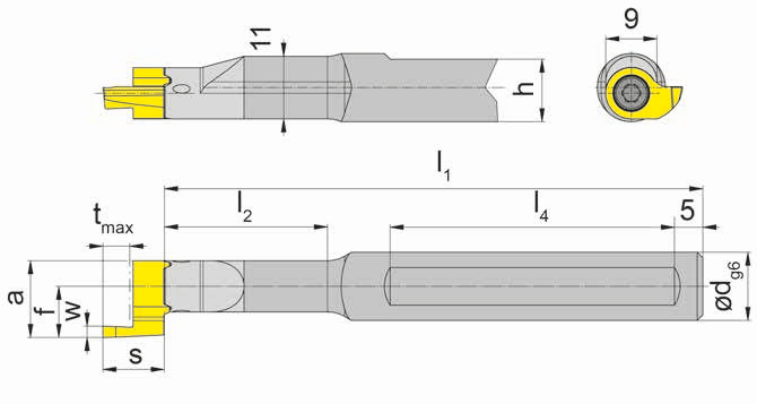
槽宽 1 - 3 mm

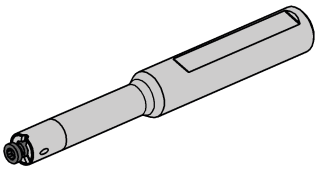
Toolholder and Inserts

Width of groove 1 - 3 mm

B114







图示=右手型
Picture = right hand cutting version

产品型号 Part number	d	l_1	l_2	h	l_4	HWS
B114.0012.00	12	69.7	14.2	11	40	311090R • 311090L
B114.0012.01	12	94.7	28.7	11	50	311090R • 311090L
B114.0012.02	12	104.7	39.7	11	50	311090R • 311090L
B114.0012.03	12	124.7	58.7	11	50	311090R • 311090L
B114.0016.00	16	74.7	14.2	15	40	311090R • 311090L
B114.0016.01	16	94.7	28.7	15	50	311090R • 311090L
B114.0016.02	16	104.7	39.7	15	50	311090R • 311090L
B114.0016.03	16	124.7	58.7	15	50	311090R • 311090L

w,a,s,tmax和f见刀片
w, a, s, tmax and f see inserts

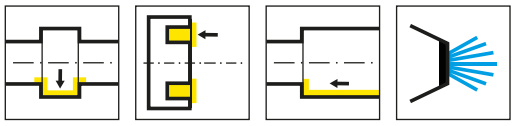
T

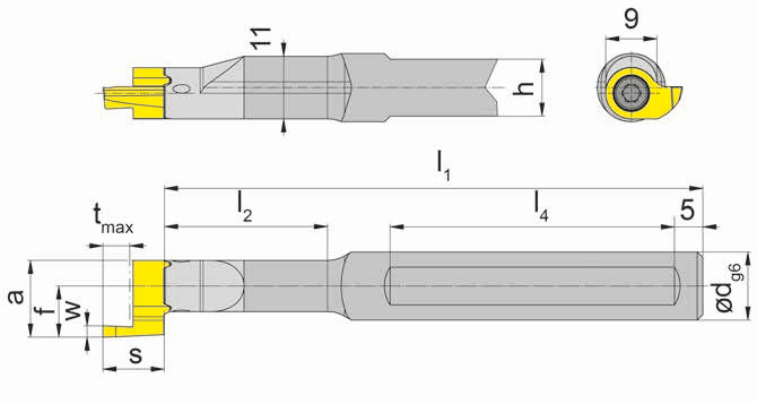
配件
Spare Parts

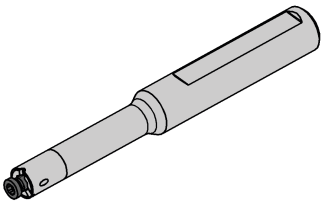
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
B114...	**4.12T15EP**	**T15PQ**

刀杆
Toolholder

B114







图示=右手型
Picture = right hand cutting version

产品型号 Part number	d	l_1	l_2	h	l_4	HWS
B114.0012.2.00	12	69.7	14.2	11	40	311090R • 311090L
B114.0012.2.01	12	94.7	28.7	11	50	311090R • 311090L
B114.0012.2.02	12	104.7	39.7	11	50	311090R • 311090L
B114.0012.2.03	12	124.7	58.7	11	50	311090R • 311090L
B114.0016.2.00	16	74.7	14.2	14	40	311090R • 311090L
B114.0016.2.01	16	94.7	28.7	14	50	311090R • 311090L
B114.0016.2.02	16	104.7	39.7	14	50	311090R • 311090L
B114.0016.2.03	16	124.7	58.7	14	50	311090R • 311090L

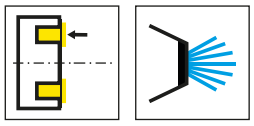
w,a,s,tmax和f见刀片
w, a, s, tmax and f see inserts

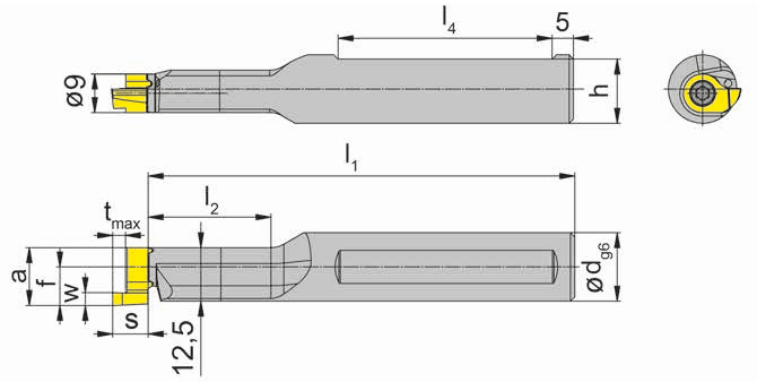
T

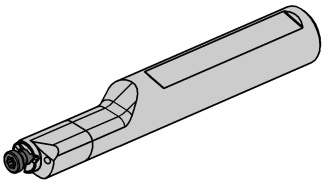
配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
B114...	**4.12T15EP**	**T15PQ**

BA114







图示=右手型
Picture = right hand cutting version

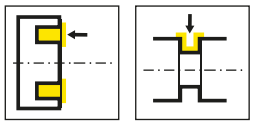
产品型号 Part number	d	l_1	l_2	h	l_4	HWS
RBA114.0016.01	16	99.7	28.7	15	50	311090R • 311090L
RBA114.0016.02	16	109.7	39.7	15	50	311090R • 311090L
LBA114.0016.01	16	99.7	28.7	15	50	311090R • 311090L
LBA114.0016.02	16	109.7	39.7	15	50	311090R • 311090L

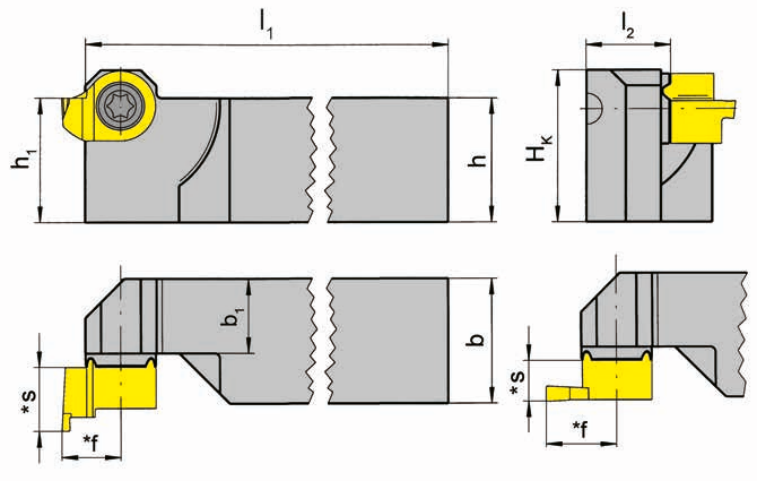
w,a,s,tmax和f见刀片
w, a, s, tmax and f see inserts

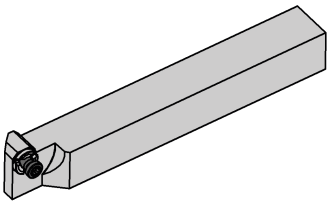
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LBA114...	**4.12T15EP**	**T15PQ**

HC114







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	h_1	b_1	H_K	HWS
RHC114.1212.01	12	12	122	11.2	12	9.5	15.6	311090R • 311090L
RHC114.1616.01	16	16	122	11.2	16	9.5	19.6	311090R • 311090L
RHC114.2020.01	20	20	122	15.2	20	13.5	23.6	311090R • 311090L
RHC114.2525.01	25	25	147	20.2	25	18.5	28.6	311090R • 311090L
LHC114.1212.01	12	12	122	11.2	12	9.5	15.6	311090R • 311090L
LHC114.1616.01	16	16	122	11.2	16	9.5	19.6	311090R • 311090L
LHC114.2020.01	20	20	122	15.2	20	13.5	23.6	311090R • 311090L
LHC114.2525.01	25	25	147	20.2	25	18.5	28.6	311090R • 311090L

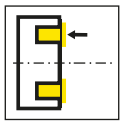
*见刀片
* see inserts

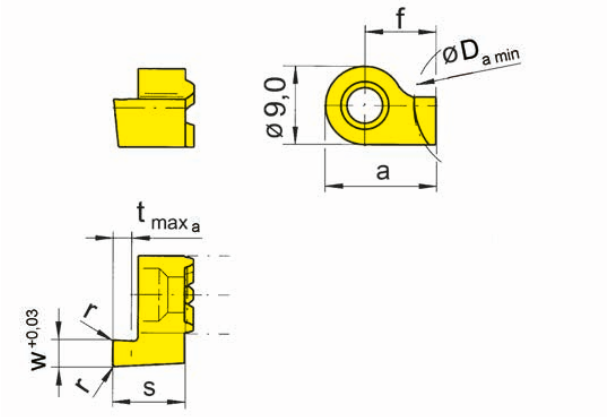
右手刀杆配合左手刀片 左手刀杆配合右手刀片
Right hand toolholders use left hand inserts. Left hand toolholders use right hand inserts.

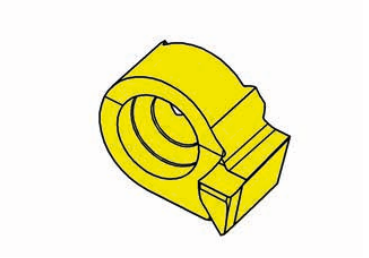
T

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LHC114...	**4.12T15EP**	**T15PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

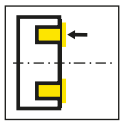
Δ 4周
4 weeks

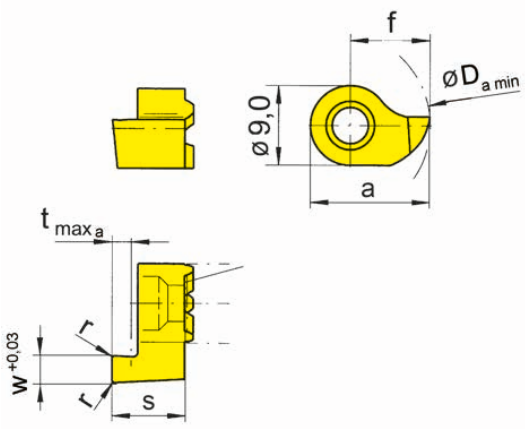
产品型号 Part number	w	s	f	a	r	$t_{max\ a}$	$D_{a\ min}$	HIS		EG55	TN35
R114.1210.00	1	8.3	7.5	12	-	1.5	12	311090R		▲	▲
R114.1215.00	1.5	8.3	7.5	12	0.2	2.5	12	311090R		▲	▲
R114.1220.00	2	8.3	7.5	12	0.2	3	12	311090R		▲	▲
R114.1225.00	2.5	8.3	7.5	12	0.2	3	12	311090R		▲	▲
R114.1230.00	3	8.3	7.5	12	0.2	3	12	311090R		▲	▲
R114.1220.5.00	2	10.8	7.5	12	0.2	5	12	311090R		▲	▲
R114.1225.5.00	2.5	10.8	7.5	12	0.2	5	12	311090R		▲	▲
R114.1230.6.00	3	11.8	7.5	12	0.2	6	12	311090R		▲	▲
L114.1210.00	1	8.3	7.5	12	-	1.5	12	311090L		▲	▲
L114.1215.00	1.5	8.3	7.5	12	0.2	2.5	12	311090L		▲	▲
L114.1220.00	2	8.3	7.5	12	0.2	3	12	311090L		▲	▲
L114.1225.00	2.5	8.3	7.5	12	0.2	3	12	311090L		▲	▲
L114.1230.00	3	8.3	7.5	12	0.2	3	12	311090L		▲	▲
L114.1220.5.00	2	10.8	7.5	12	0.2	5	12	311090L		▲	▲
L114.1225.5.00	2.5	10.8	7.5	12	0.2	5	12	311090L		▲	▲
L114.1230.6.00	3	11.8	7.5	12	0.2	6	12	311090L		▲	▲

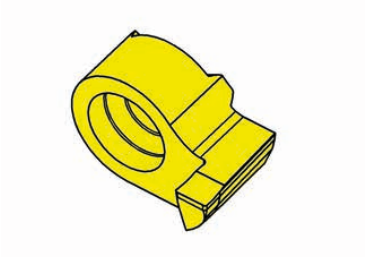
适用于中心线**后**加工
Machining BEHIND centre line

R=逆时针方向旋转 使用114系列端面槽刀片和B114刀杆时,l1和 l2 会增加3.0/5.5或者 6.5mm。
R = rotation anti-clockwise! Using the face grooving insert type 114 on toolholder type B114 the size l1 and l2 will be enlarged by 3,0 / 5,5 or 6,5 mm.

P	●	●
M	o	●
K	o	●
N	-	●
S	-	●
H	-	-







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

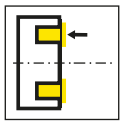
产品型号 Part number	w	s	f	a	r	$t_{max\ a}$	$D_{a\ min}$	HIS		MG12	EG55	TF45	TN35
R114.1410.00	1	8.3	9	13.5	-	1.5	14	311090R		Δ	▲		▲
R114.1415.00	1.5	8.3	9	13.5	0.2	2.5	14	311090R			▲		▲
R114.1420.00	2	8.3	9	13.5	0.2	3	14	311090R			▲		▲
R114.1425.00	2.5	8.3	9	13.5	0.2	3	14	311090R			▲		▲
R114.1430.00	3	8.3	9	13.5	0.2	3	14	311090R		▲	▲		▲
R114.1420.5.00	2	10.8	9	13.5	0.2	5	14	311090R			▲		▲
R114.1425.5.00	2.5	10.8	9	13.5	0.2	5	14	311090R			▲		▲
R114.1430.6.00	3	11.8	9	13.5	0.2	6	14	311090R			▲		▲
L114.1410.00	1	8.3	9	13.5	-	1.5	14	311090L		Δ	▲		▲
L114.1415.00	1.5	8.3	9	13.5	0.2	2.5	14	311090L			▲		▲
L114.1420.00	2	8.3	9	13.5	0.2	3	14	311090L			▲		▲
L114.1425.00	2.5	8.3	9	13.5	0.2	3	14	311090L			▲		▲
L114.1430.00	3	8.3	9	13.5	0.2	3	14	311090L		Δ			▲
L114.1420.5.00	2	10.8	9	13.5	0.2	5	14	311090L			▲		▲
L114.1425.5.00	2.5	10.8	9	13.5	0.2	5	14	311090L			▲		▲
L114.1430.6.00	3	11.8	9	13.5	0.2	6	14	311090L			▲		▲

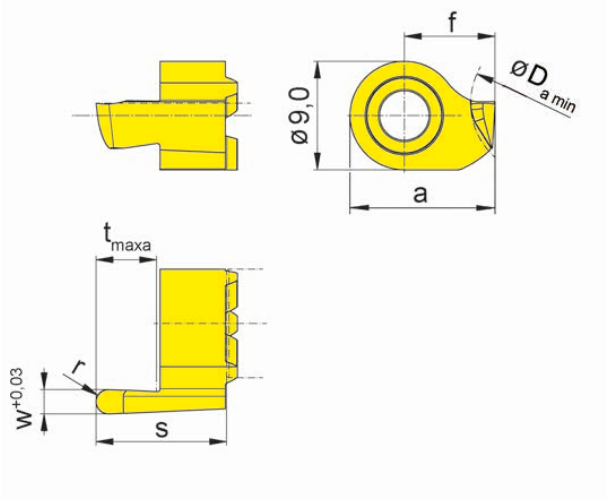
P	o	●	●	●
M	-	o	●	●
K	-	o	●	●
N	-	-	●	●
S	-	-	●	●
H	-	-	-	-

适用于中心线**前**加工
Machining IN-FRONT of centre line

R=顺时针旋转！使用114刀片和B114刀杆时刀杆时，l1和l2会相应增加3.0/5.5或6.5 mm。
R = rotation clockwise! Using the face grooving insert type 114 on toolholder type B114 the size l1 and l2 will be enlarged by 3,0 / 5,5 or 6,5 mm.

T





R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

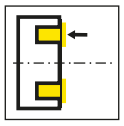
Δ 4周
4 weeks

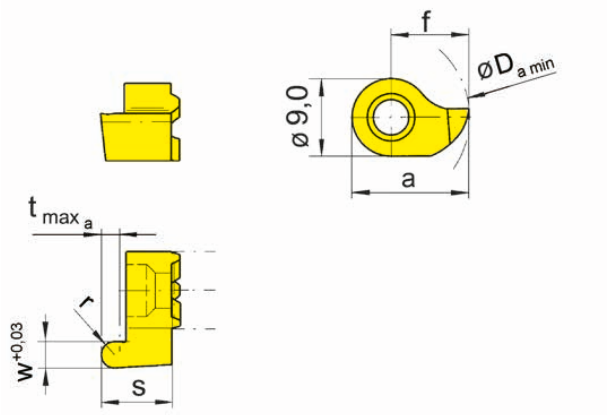
产品型号 Part number	w	s	f	a	r	$t_{max\ a}$	$D_{a\ min}$	HIS	EG55	TN35
R114.1220.5.10	2	10.8	7.5	12	1	5	12	311090R	▲	▲
R114.1225.5.12	2.5	10.8	7.5	12	1.25	5	12	311090R	▲	▲
R114.1230.6.15	3	11.8	7.5	12	1.5	6	12	311090R	▲	▲
L114.1220.5.10	2	10.8	7.5	12	1	5	12	311090L	▲	▲
L114.1225.5.12	2.5	10.8	7.5	12	1.25	5	12	311090L	▲	▲
L114.1230.6.15	3	11.8	7.5	12	1.5	6	12	311090L	▲	▲

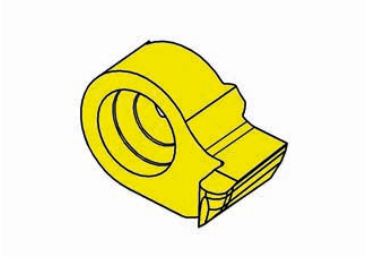
圆头刀片 适用于中心线**后**加工
Full radius Machining BEHIND centre line

R = 顺时针旋转! 使用114系列端面槽刀片和B114刀杆时，l1和l2将会增加5.5 mm或6.5mm。
R = rotation anti-clockwise! Using the face grooving insert type 114 on toolholder type B114 the size l1 and l2 will be enlarged by 5,5 mm or 6,5 mm.

P	●	●
M	o	●
K	o	●
N	-	●
S	-	●
H	-	-







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	s	f	a	r	$t_{max\ a}$	$D_{a\ min}$	HIS	EG55	TN35
R114.1410.05	1	8.3	9	13.5	0.5	1.5	14	311090R	▲	▲
R114.1416.08	1.6	8.3	9	13.5	0.8	2.5	14	311090R	▲	▲
R114.1420.10	2	8.3	9	13.5	1	3	14	311090R	▲	▲
R114.1425.12	2.5	8.3	9	13.5	1.25	3	14	311090R	▲	▲
R114.1430.15	3	8.3	9	13.5	1.5	3	14	311090R	▲	▲
L114.1410.05	1	8.3	9	13.5	0.5	1.5	14	311090L	▲	▲
L114.1416.08	1.6	8.3	9	13.5	0.8	2.5	14	311090L	▲	▲
L114.1420.10	2	8.3	9	13.5	1	3	14	311090L	▲	▲
L114.1425.12	2.5	8.3	9	13.5	1.25	3	14	311090L	▲	▲
L114.1430.15	3	8.3	9	13.5	1.5	3	14	311090L	Δ	▲

圆头刀片 适用于中心线 **前**加工
Full radius Machining IN-FRONT of centre line

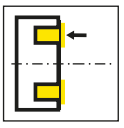
R=逆时针旋转 使用114系列端面槽刀片和B114刀杆时，l1和l2会增大3.0 mm。
R = rotation clockwise! Using the face grooving insert type 114 on toolholder type B114 the size l1 and l2 will be enlarged by 3,0 mm.

P	●	●
M	o	●
K	o	●
N	-	●
S	-	●
H	-	-

T

端面切槽
Face Grooving

刀杆
Toolholder
H25A/IB25A



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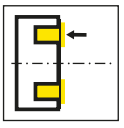
538-539, 541

刀夹
Cassette
AK25A



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540

刀片
Insert
S15A

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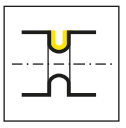
542



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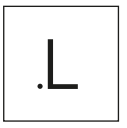

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可转位刀片
Indexable insert
S25A

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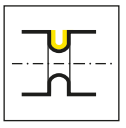
545



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546

T

15A/25A

T

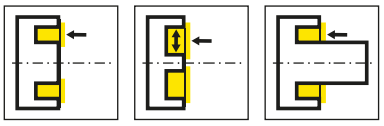
刀杆和刀片

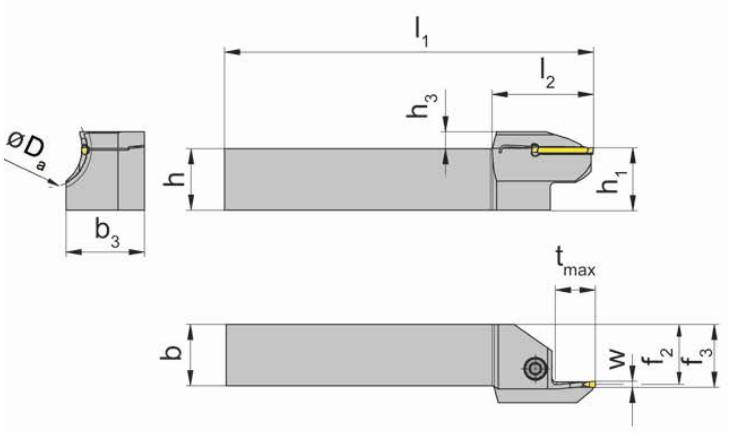
槽宽2 - 4 mm

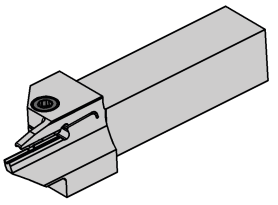
Toolholder and Inserts

Width of groove 2 - 4 mm

H25A







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

产品型号 Part number	h	b	l_1	l_2	h_1	b_3	f_2	f_3	t_{max}	h_3	$D_{a\,min}$	$D_{a\,max}$	HWS
RAH25A.12.1520.02	12	12	120	32	12.3	15.5	11.5	12.5	12	5	15	20	25A02
RAH25A.12.2025.02	12	12	120	32	12.3	16.5	11.5	12.5	12	5	20	25	25A02
RAH25A.12.2530.02	12	12	120	33	12.3	17.5	11.5	12.5	13	5.5	25	30	25A02
RAH25A.16.1520.02	16	16	120	32	16.3	19.5	15.5	16.5	12	5	15	20	25A02
RAH25A.16.2025.02	16	16	120	32	16.3	20.5	15.5	16.5	12	5	20	25	25A02
RAH25A.16.2530.02	16	16	120	33	16.3	21.5	15.5	16.5	13	5.5	25	30	25A02
RAH25A.20.1520.02	20	20	120	32	20.3	23.5	19.5	20.5	12	5	15	20	25A02
RAH25A.20.2025.02	20	20	120	32	20.3	24.5	19.5	20.5	12	5	20	25	25A02
RAH25A.20.2530.02	20	20	120	33	20.3	25.5	19.5	20.5	13	5.5	25	30	25A02
LAH25A.12.1520.02	12	12	120	32	12.3	15.5	11.5	12.5	12	5	15	20	25A02
LAH25A.12.2025.02	12	12	120	32	12.3	16.5	11.5	12.5	12	5	20	25	25A02
LAH25A.12.2530.02	12	12	120	33	12.3	17.5	11.5	12.5	13	5.5	25	30	25A02
LAH25A.16.1520.02	16	16	120	32	16.3	19.5	15.5	16.5	12	5	15	20	25A02
LAH25A.16.2025.02	16	16	120	32	16.3	20.5	15.5	16.5	12	5	20	25	25A02
LAH25A.16.2530.02	16	16	120	33	16.3	21.5	15.5	16.5	13	5.5	25	30	25A02
LAH25A.20.1520.02	20	20	120	32	20.3	23.5	19.5	20.5	12	5	15	20	25A02
LAH25A.20.2025.02	20	20	120	32	20.3	24.5	19.5	20.5	12	5	20	25	25A02
LAH25A.20.2530.02	20	20	120	33	20.3	25.5	19.5	20.5	13	5.5	25	30	25A02

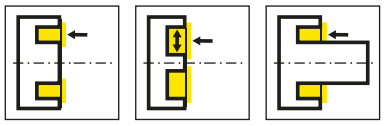
切削刃高度设定需高于中心高0.3mm
The cutting edge is above 0,3 mm the centre height

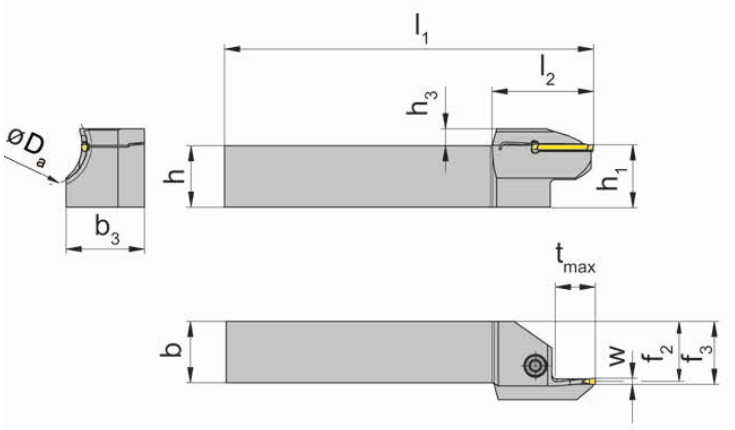
w见刀片
w see indexable inserts

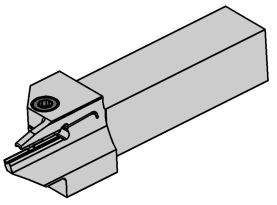
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LAH25A.12...	**5.14T20P**	**T20PQ**
R/LAH25A...	**5.13T20P**	**T20PQ**

H25A







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

产品型号 Part number	h	b	l_1	l_2	h_1	b_3	f_2	f_3	t_{max}	h_3	$D_{a\,min}$	$D_{a\,max}$	HWS
RAH25A.12.1520.03	12	12	120	32	12.3	17	11	12.5	13	5.5	15	20	25A03
RAH25A.16.1520.03	16	16	120	32	16.3	21	15	16.5	13	5.5	15	20	25A03
RAH25A.20.1520.03	20	20	120	33	20.3	25	19	20.5	13	5.5	15	20	25A03
RAH25A.16.2025.03	16	16	120	34	16.3	22.5	15	16.5	14	5	20	25	25A03
RAH25A.20.2025.03	20	20	120	34	20.3	26.5	19	20.5	14	5.5	20	25	25A03
RAH25A.12.2530.03	12	12	120	35	12.3	19.5	11	12.5	15	6	25	30	25A03
RAH25A.16.2530.03	16	16	120	35	16.3	23.5	15	16.5	15	6	25	30	25A03
RAH25A.20.2530.03	20	20	120	35	20.3	27.5	19	20.5	15	6	25	30	25A03
LAH25A.12.1520.03	12	12	120	33	12.3	17	11	12.5	13	5.5	15	20	25A03
LAH25A.16.1520.03	16	16	120	33	16.3	21	15	16.5	13	5.5	15	20	25A03
LAH25A.20.1520.03	20	20	120	33	20.3	25	19	20.5	13	5.5	15	20	25A03
LAH25A.12.2025.03	12	12	120	34	12.3	18.5	11	12.5	14	5.5	20	25	25A03
LAH25A.16.2025.03	16	16	120	34	16.3	22.5	15	16.5	14	5.5	20	25	25A03
LAH25A.20.2025.03	20	20	120	34	20.3	26.5	19	20.5	14	5.5	20	25	25A03
LAH25A.16.2530.03	16	16	120	35	16.3	23.5	15	16.5	15	6	25	30	25A03
LAH25A.20.2530.03	20	20	120	35	20.3	27.5	19	20.5	15	6	25	30	25A03

切削刃高度设定需高于中心高0.3mm
The cutting edge is above 0,3 mm the centre height

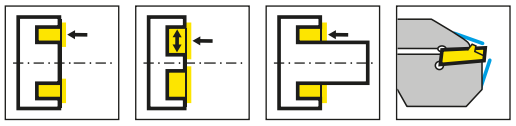
w见刀片
w see indexable inserts

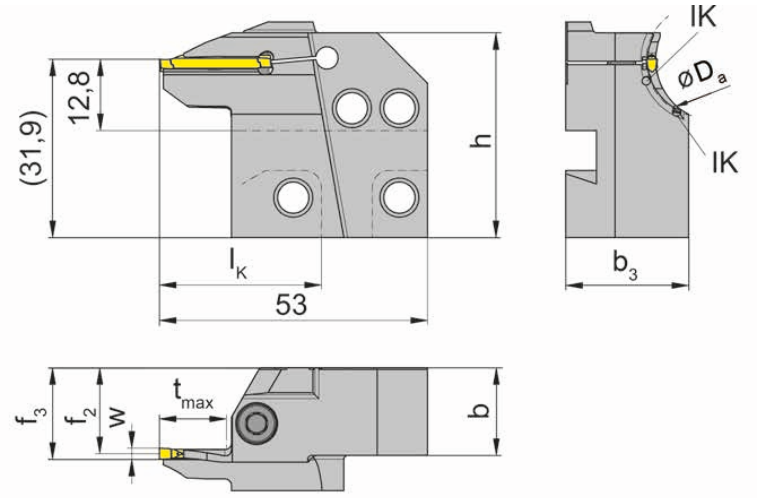
配件
Spare Parts

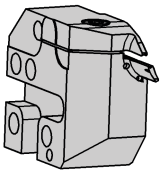
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LAH25A.12...	**5.14T20P**	**T20PQ**
R/LAH25A...	**5.13T20P**	**T20PQ**

刀夹
Cassette

AK25A







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	h	l_K	HWS	HMS
RAK25A.1520.02.IK	15	20	12	15.7	21	15.4	f_2+w/2	2	38.6	34	25A02	220001
RAK25A.2025.02.IK	20	25	12	15.7	22	15.4	f_2+w/2	2	38.6	34	25A02	220001
RAK25A.2530.02.IK	25	30	13	15.7	23	15.4	f_2+w/2	2	38.6	34	25A02	220001
RAK25A.2025.03.IK	20	25	14	15.7	24	14.9	f_2+w/2	3	38.6	34	25A03	220001
RAK25A.2530.03.IK	25	30	15	15.7	25	14.9	f_2+w/2	3	38.6	34	25A03	220001
RAK25A.3040.03.IK	30	40	16	15.7	23	14.9	f_2+w/2	3	38.6	34	25A03	220001
RAK25A.4050.03.IK	40	50	18	15.7	24	14.9	f_2+w/2	3	38.6	34	25A03	220001
RAK25A.5065.03.IK	65	80	18	15.7	21.5	15.4	f_2+w/2	3	39	34	25A03	220001
RAK25A.6580.03.IK	50	65	20	15.7	24	17.1	f_2+w/2	3	39	34	25A03	220001
RAK25A.2025.04.IK	20	25	16	15.7	24	15.1	f_2+w/2	4	38.6	34	25A04	220001
RAK25A.2530.04.IK	25	30	17	15.7	24	15.1	f_2+w/2	4	38.6	34	25A04	220001
RAK25A.3040.04.IK	30	40	18	15.7	24	15.1	f_2+w/2	4	38.6	34	25A04	220001
RAK25A.4050.04.IK	40	50	20	15.7	24	15.5	f_2+w/2	4	39.2	34	25A04	220001
RAK25A.5065.04.IK	50	65	20	15.7	24	17.1	f_2+w/2	4	39	34	25A04	220001
LAK25A.1520.02.IK	15	20	12	15.7	21	15.4	f_2+w/2	2	38.6	34	25A02	220002
LAK25A.2025.02.IK	20	25	12	15.7	22	15.4	f_2+w/2	2	38.6	34	25A02	220002
LAK25A.2530.02.IK	25	30	13	15.7	23	15.4	f_2+w/2	2	38.6	34	25A02	220002
LAK25A.2025.03.IK	20	25	14	15.7	24	14.9	f_2+w/2	3	38.6	34	25A03	220002
LAK25A.2530.03.IK	25	30	15	15.7	25	14.9	f_2+w/2	3	38.6	34	25A03	220002
LAK25A.3040.03.IK	30	40	16	15.7	23	14.9	f_2+w/2	3	38.6	34	25A03	220002
LAK25A.4050.03.IK	40	50	18	15.7	24	14.9	f_2+w/2	3	38.6	34	25A03	220002
LAK25A.5065.03.IK	50	65	18	15.7	22	15.4	f_2+w/2	3	39	34	25A03	220002
LAK25A.6580.03.IK	65	80	18	15.7	21.5	15.4	f_2+w/2	3	39	34	25A03	220002
LAK25A.2025.04.IK	20	25	16	15.7	24	15.1	f_2+w/2	4	38.6	34	25A04	220002
LAK25A.2530.04.IK	25	30	17	15.7	24	15.1	f_2+w/2	4	38.6	34	25A04	220002
LAK25A.3040.04.IK	30	40	18	15.7	24	15.1	f_2+w/2	4	38.6	34	25A04	220002
LAK25A.4050.04.IK	40	50	20	15.7	24	15.1	f_2+w/2	4	39.2	34	25A04	220002
LAK25A.5065.04.IK	50	65	18	15.7	22	15.4	f_2+w/2	4	39	34	25A04	220002
LAK25A.6580.04.IK	65	80	20	15.7	23.5	17.1	f_2+w/2	4	39	34	25A04	220002

配件
Spare Parts

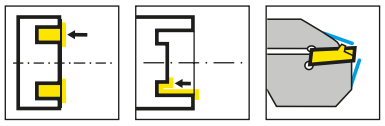
刀夹 Cassette	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LAK25A...	**5.13T20P**	**T20PQ**

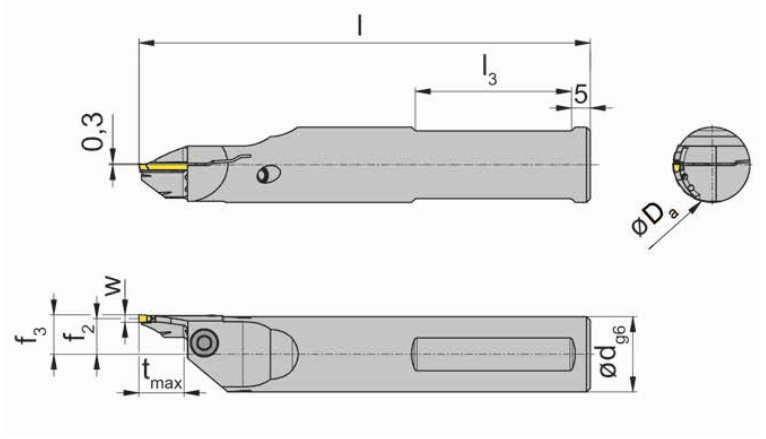
切削刃高度设定需高于中心高0.3mm
The cutting edge is above 0,3 mm the centre height

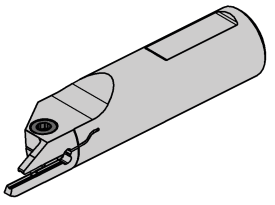
w见刀片
w see indexable inserts

刀杆
Toolholder

IB25A







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

产品型号 Part number	d	l	l_3	f_3	f_2	t_{max}	$D_{a\ min}$	$D_{a\ max}$	槽宽 Width of groove	HWS
RIB25A.20.2025.02.IK	20	120	55	f_2+w/2	9.5	12	20	25	2	25A02
RIB25A.20.2530.02.IK	20	120	55	f_2+w/2	9.5	13	25	30	2	25A02
RIB25A.20.2025.03.IK	20	120	55	f_2+w/2	9	14	20	25	3	25A03
RIB25A.20.2530.03.IK	20	120	55	f_2+w/2	9	15	25	30	3	25A03
RIB25A.20.3040.03.IK	20	120	55	f_2+w/2	9	16	30	40	3	25A03
RIB25A.20.4050.03.IK	20	120	55	f_2+w/2	9	18	40	50	3	25A03
RIB25A.20.6580.03.IK	20	120	55	f_2+w/2	9	18	65	80	3	25A03
RIB25A.20.2025.04.IK	20	120	55	f_2+w/2	8.5	16	20	25	4	25A04
RIB25A.20.2530.04.IK	20	120	55	f_2+w/2	8.5	17	25	30	4	25A04
RIB25A.20.3040.04.IK	20	120	55	f_2+w/2	8.5	18	30	40	4	25A04
RIB25A.20.4050.04.IK	20	120	55	f_2+w/2	8.5	20	40	50	4	25A04
RIB25A.20.5065.04.IK	20	120	55	f_2+w/2	8.5	20	65	80	4	25A04
RIB25A.20.6580.04.IK	20	120	55	f_2+w/2	8.5	20	65	80	4	25A04
LIB25A.20.2025.02.IK	20	120	55	f_2+w/2	9.5	12	20	25	2	25A02
LIB25A.20.2530.02.IK	20	120	55	f_2+w/2	9.5	13	25	30	2	25A02
LIB25A.20.2025.03.IK	20	120	55	f_2+w/2	9	14	20	25	3	25A03
LIB25A.20.2530.03.IK	20	120	55	f_2+w/2	9	15	25	30	3	25A03
LIB25A.20.3040.03.IK	20	120	55	f_2+w/2	9	16	30	40	3	25A03
LIB25A.20.4050.03.IK	20	120	55	f_2+w/2	9	18	40	50	3	25A03
LIB25A.20.5065.03.IK	20	120	55	f_2+w/2	9	18	50	65	3	25A03
LIB25A.20.2025.04.IK	20	120	55	f_2+w/2	8.5	16	20	25	4	25A04
LIB25A.20.2530.04.IK	20	120	55	f_2+w/2	8.5	17	25	30	4	25A04
LIB25A.20.3040.04.IK	20	120	55	f_2+w/2	8.5	18	30	40	4	25A04
LIB25A.20.4050.04.IK	20	120	55	f_2+w/2	8.5	20	40	50	4	25A04
LIB25A.20.5065.04.IK	20	120	55	f_2+w/2	8.5	20	50	65	4	25A04

切削刃高度设定需高于中心高0.3mm
The cutting edge is above 0,3 mm the centre height

w见刀片
w see indexable inserts

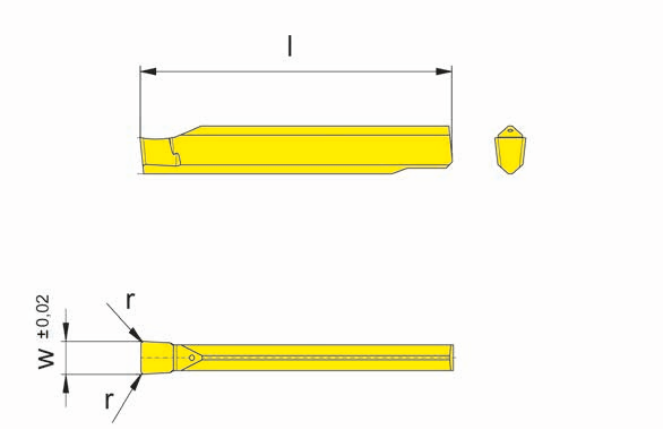
配件
Spare Parts

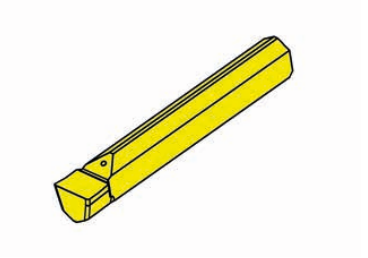
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LIB25A.20...	**5.13T20EP**	**T20PQ**
R/LIB25A.20...03	**5.17T20P**	**T20PQ**
R/LIB25A.20.6580.04.IK	**5.13T20P**	**T20PQ**

T

S15A

.10





硬质合金牌号
Carbide grades

▲ 库存
on stock

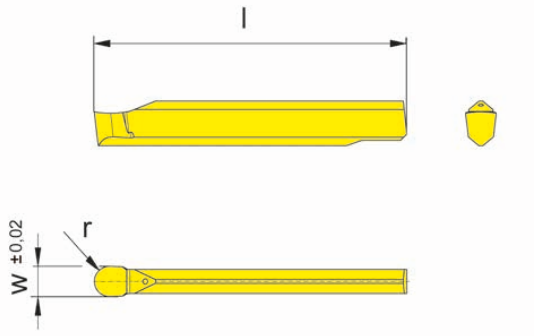
Δ 4周
4 weeks

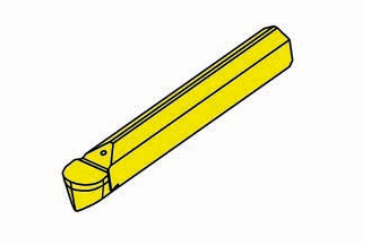
产品型号 Part number	w	r	l	HIS	TH35
S15A.0200.12	2	0.2	20	25A02	▲
S15A.0300.12	3	0.2	21	25A03	▲
S15A.0400.12	4	0.2	24	25A04	▲

P	●
M	●
K	●
N	●
S	●
H	-

T

S15A





硬质合金牌号
Carbide grades

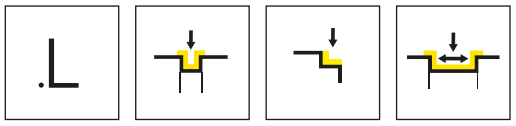
▲ 库存
on stock

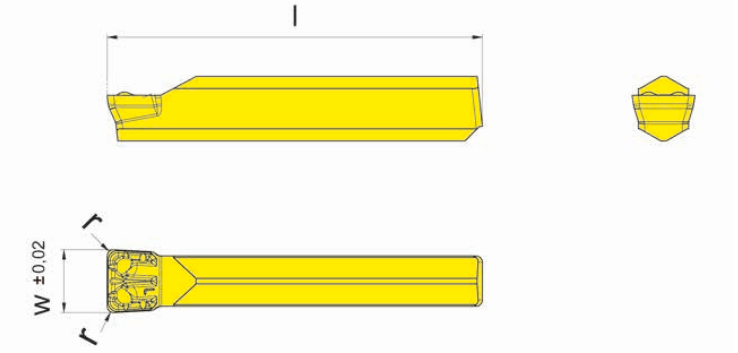
Δ 4周
4 weeks

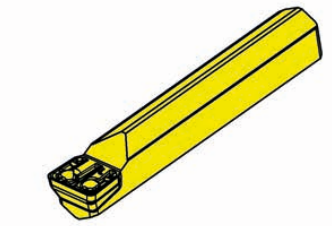
产品型号 Part number	w	l	r	HIS	TH35
S15A.0200.10.10	2	20	1	25A02	▲
S15A.0300.10.15	3	21	1.5	25A03	▲
S15A.0400.10.20	4	24	2	25A04	▲
					P ●
					M ●
					K ●
					N ●
					S ●
					H -

T

S15A







硬质合金牌号
Carbide grades

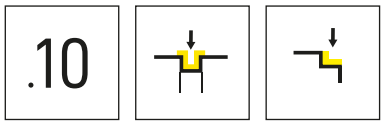
▲ 库存
on stock

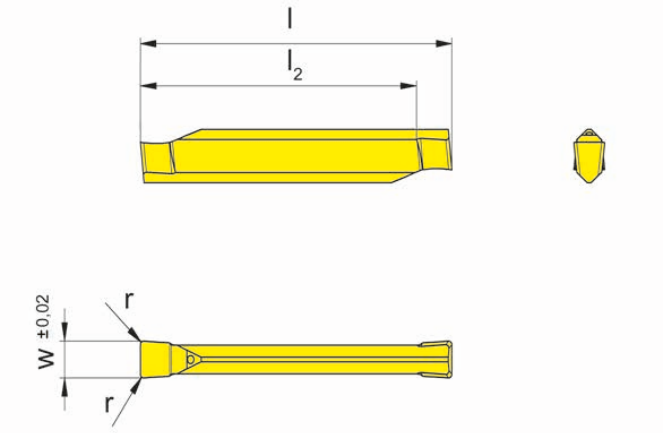
Δ 4周
4 weeks

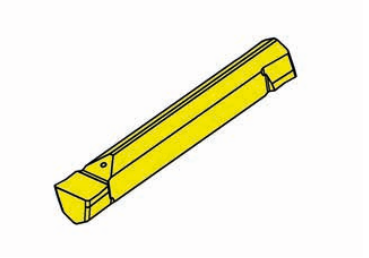
产品型号 Part number	w	r	l	HIS		AS45
S15A.0300.L2	3	0.2	24	25A03		▲
S15A.0400.L4	4	0.4	24	25A04		▲
					P	●
					M	●
					K	●
					N	o
					S	●
					H	-

T

S25A







硬质合金牌号
Carbide grades

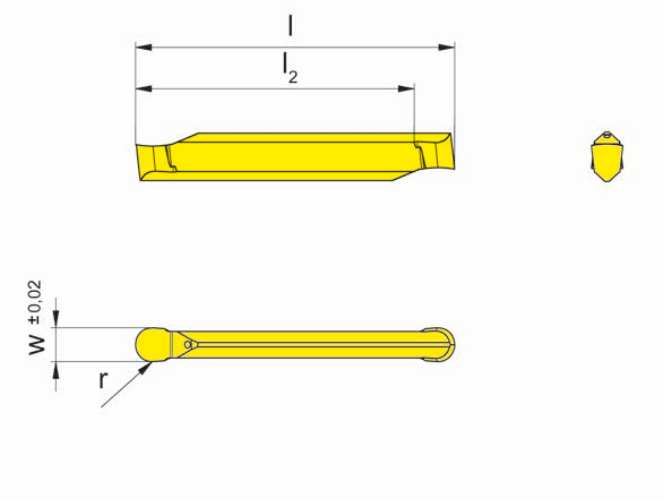
▲ 库存
on stock

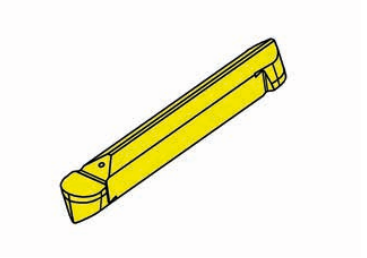
Δ 4周
4 weeks

产品型号 Part number	w	r	l	l_2	HIS		TH35
S25A.0200.12	2	0.2	20	17	25A02		▲
S25A.0300.12	3	0.2	21	18	25A03		▲
S25A.0400.12	4	0.2	24	20.5	25A04		▲
						P	●
						M	●
						K	●
						N	●
						S	●
						H	-

T

S25A





硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

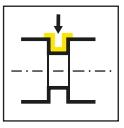
产品型号 Part number	w	l	r	l_2	HIS	TH35
S25A.0200.10.10	2	20	1	17	25A02	▲
S25A.0300.10.15	3	21	1.5	18	25A03	▲
S25A.0400.10.20	4	24	2	20.5	25A04	▲

P	●
M	●
K	●
N	●
S	●
H	-

T

端面切槽
Face Grooving

常规刀柄
Basic toolholder
220/B224



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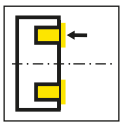
550-551



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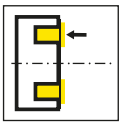
552

刀夹
Cassette
LAK224/RAK224/
LIK224/RIK224



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可转位刀片
Indexable insert
S224

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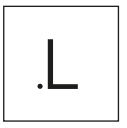
561

页/Page
562



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563

T

224

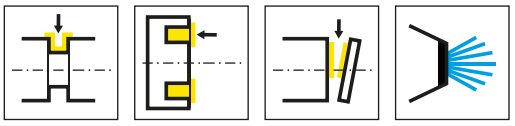
T

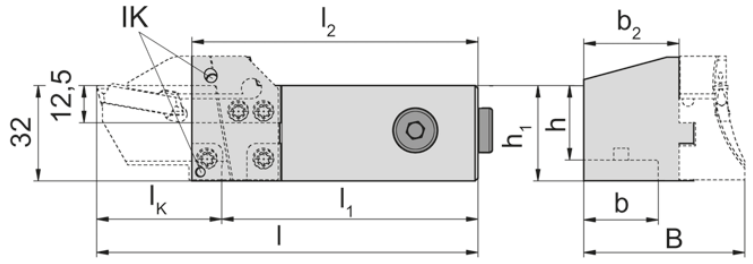
刀杆和刀片

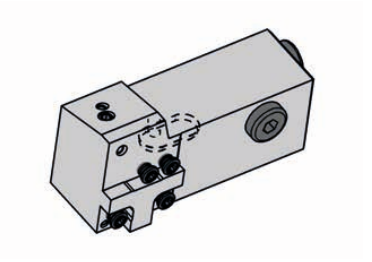
槽宽 3 - 6 mm

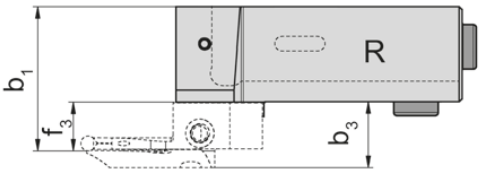
Toolholder and Inserts

Width of groove 3 - 6 mm









R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

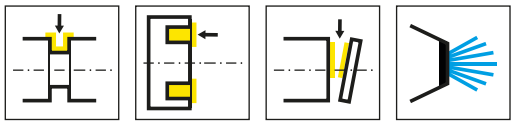
产品型号 Part number	h	h_1	l_1	b	b_1	b_2	l_2	l	B	HWS
R220.1616.2.K1.IK	16	32	l_2-10	16	b_2+f_3	23	84	l_1+l_K	b_2+b_3	220001
R220.2020.2.K1.IK	20	32	l_2-10	20	b_2+f_3	27	84	l_1+l_K	b_2+b_3	220001
R220.2525.2.K1.IK	25	32	l_2-10	25	b_2+f_3	32	96	l_1+l_K	b_2+b_3	220001
L220.1616.2.K1.IK	16	32	l_2-10	16	b_2+f_3	23	84	l_1+l_K	b_2+b_3	220002
L220.2020.2.K1.IK	20	32	l_2-10	20	b_2+f_3	27	84	l_1+l_K	b_2+b_3	220002
L220.2525.2.K1.IK	25	32	l_2-10	25	b_2+f_3	32	96	l_1+l_K	b_2+b_3	220002

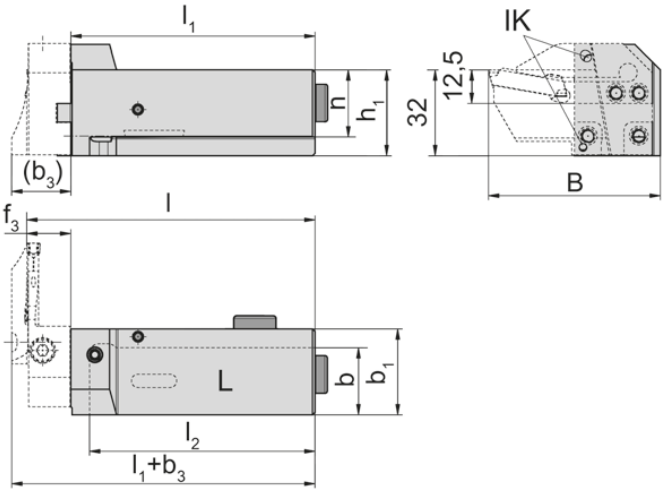
IK,b3和 f3见刀夹
IK, b3 and f3 see cassettes

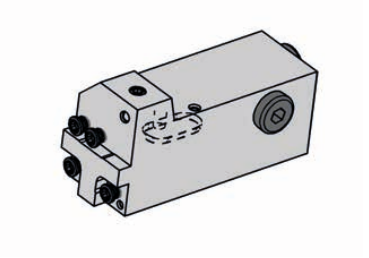
T

配件
Spare Parts

常规刀柄 Basic toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench	**螺钉** Screw Plug
R/L220...	**5.12T20P**	**T20PQ**	**004.00.26**







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

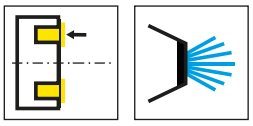
产品型号 Part number	h	h_1	b	l_2	l	B	b_1	l_1	HWS
R220.1616.2.K2.IK	16	32	16	69	l_1+f_3	l_K+19	32	79	220002
R220.2020.2.K2.IK	20	32	20	69	l_1+f_3	l_K+19	32	79	220002
R220.2525.2.K2.IK	25	32	25	84	l_1+f_3	l_K+19	32	91	220002
L220.1616.2.K2.IK	16	32	16	69	l_1+f_3	l_K+19	32	79	220001
L220.2020.2.K2.IK	20	32	20	69	l_1+f_3	l_K+19	32	79	220001
L220.2525.2.K2.IK	25	32	25	84	l_1+f_3	l_K+19	32	91	220001

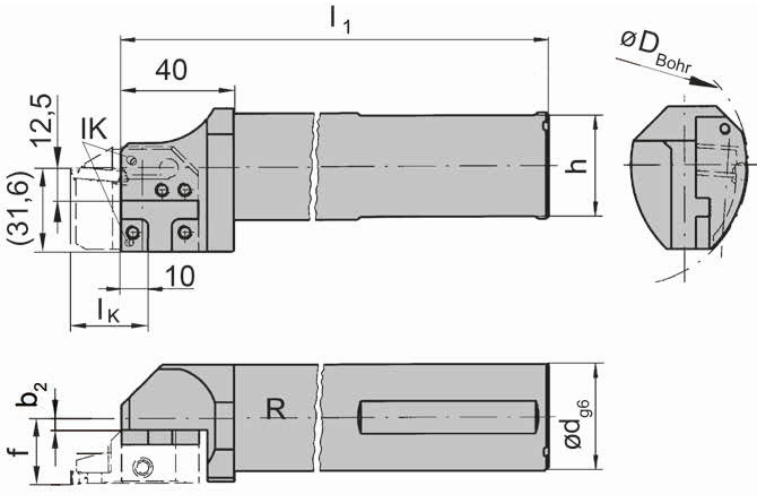
IK,b3和 f3见刀夹
IK, b3 and f3 see cassettes

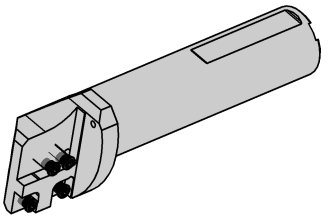
T

配件
Spare Parts

常规刀柄 Basic toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench	螺钉 Screw Plug
R/L220...	**5.12T20P**	**T20PQ**	**004.00.26**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	f	d	l_1	h	b_2	D_{Bohr}	HWS
RB224.0032.K1.IK	b_2+f_3	32	181	30	0.41	90	220001
RB224.0040.K1.IK	b_2+f_3	40	231	38	4.41	90	220001
RB224.0032.1.K1.IK	b_2+f_3	32	116	30	0.41	90	220001
RB224.0040.1.K1.IK	b_2+f_3	40	116	38	4.41	90	220001
LB224.0032.K1.IK	b_2+f_3	32	181	30	0.41	90	220002
LB224.0040.K1.IK	b_2+f_3	40	231	38	4.41	90	220002
LB224.0032.1.K1.IK	b_2+f_3	32	116	30	0.41	90	220002
LB224.0040.1.K1.IK	b_2+f_3	40	116	38	4.41	90	220002

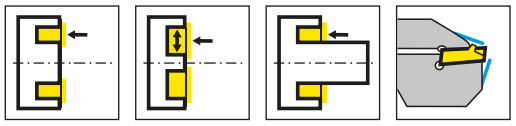
Da min / f3 / lK 见刀夹
Da min / f3 / lK see cassettes

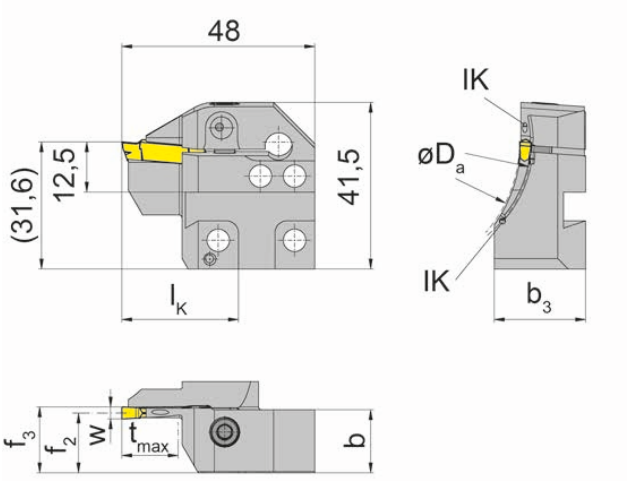
配件
Spare Parts

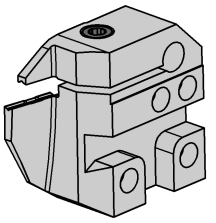
常规刀柄 Basic toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LB224...	**5.12T20P**	**T20PQ**

刀夹
Cassette

LAK224







L=左手型
L = left hand version

产品型号 Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	l_K	HWS*	HMS
LAK224.5060.03.IK	50	60	14	15.7	23.7	14.9	f_2+w/2	3	29	224038	220002
LAK224.6075.03.IK	60	75	14	15.7	22.7	14.9	f_2+w/2	3	29	224038	220002
LAK224.7590.03.IK	75	90	14	15.7	22.7	14.9	f_2+w/2	3	29	224038	220002
LAK224.9011.03.IK	90	110	14	15.7	21	14.9	f_2+w/2	3	29	224038	220002
LAK224.1113.03.IK	110	130	14	15.7	21	14.9	f_2+w/2	3	29	224038	220002
LAK224.1318.03.IK	130	180	14	15.7	20	14.9	f_2+w/2	3	29	224038	220002
LAK224.1830.03.IK	180	300	14	15.7	19	14.9	f_2+w/2	3	29	224038	220002
LAK224.3000.03.IK	300	1000	14	15.7	16.9	14.9	f_2+w/2	3	29	224038	220002
LAK224.3847.04.IK	38	47	14	15.7	24.2	14.4	f_2+w/2	4	29	224048	220002
LAK224.4760.04.IK	47	60	14	15.7	23.7	14.4	f_2+w/2	4	29	224048	220002
LAK224.6075.04.IK	60	75	14	15.7	23.7	14.4	f_2+w/2	4	29	224048	220002
LAK224.7590.04.IK	75	90	14	15.7	22.7	14.4	f_2+w/2	4	29	224048	220002
LAK224.9013.04.IK	90	130	14	15.7	21	14.4	f_2+w/2	4	29	224048	220002
LAK224.1318.04.IK	130	180	14	15.7	21	14.4	f_2+w/2	4	29	224048	220002
LAK224.1830.04.IK	180	300	14	15.7	19	14.4	f_2+w/2	4	29	224048	220002
LAK224.3000.04.IK	300	1000	14	15.7	16.7	14.4	f_2+w/2	4	29	224048	220002

* 请注意刀片宽度
* Please note insert width

锁紧螺钉包含在刀杆内,不需要单独订购
The fastening screw is combined with the basic toolholder - no seperate order required.

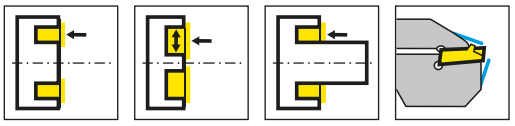
T

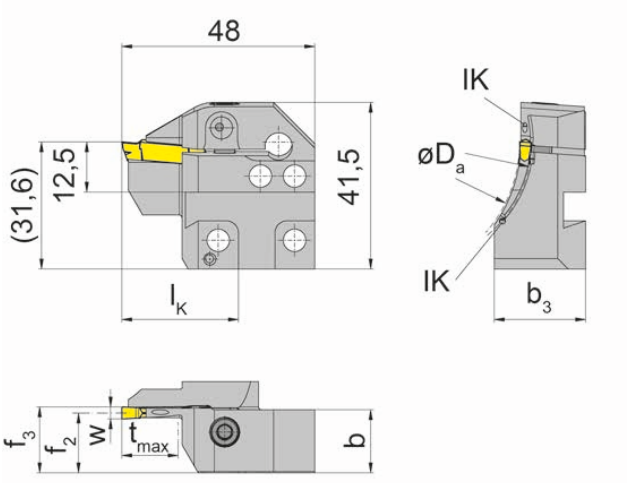
配件
Spare Parts

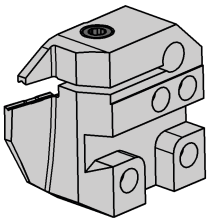
刀夹 Cassette	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
LAK224...	**5.13T20P**	**T20PQ**

刀夹
Cassette

LAK224







L=左手型
L = left hand version

产品型号 Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	l_K	HWS*	HMS
LAK224.3847.05.IK	38	47	14	15.7	23.7	13.9	f_2+w/2	5	29	224058	220002
LAK224.4760.05.IK	47	60	14	15.7	23.7	13.9	f_2+w/2	5	29	224058	220002
LAK224.6075.05.IK	60	75	14	15.7	23.7	13.9	f_2+w/2	5	29	224058	220002
LAK224.7590.05.IK	75	90	14	15.7	22	13.9	f_2+w/2	5	29	224058	220002
LAK224.9013.05.IK	90	130	14	15.7	22	13.9	f_2+w/2	5	29	224058	220002
LAK224.1318.05.IK	130	180	14	15.7	21	13.9	f_2+w/2	5	29	224058	220002
LAK224.1830.05.IK	180	300	14	15.7	19	13.9	f_2+w/2	5	29	224058	220002
LAK224.3000.05.IK	300	1000	14	15.7	16.7	13.9	f_2+w/2	5	29	224058	220002
LAK224.6075.06.IK	60	75	14	15.7	23	13.4	f_2+w/2	6	29	224068	220002
LAK224.7590.06.IK	75	90	14	15.7	23	13.4	f_2+w/2	6	29	224068	220002
LAK224.9013.06.IK	90	130	14	15.7	21	13.4	f_2+w/2	6	29	224068	220002
LAK224.1318.06.IK	130	180	14	15.7	21	13.4	f_2+w/2	6	29	224068	220002
LAK224.1830.06.IK	180	300	14	15.7	19	13.4	f_2+w/2	6	29	224068	220002
LAK224.3000.06.IK	300	1000	14	15.7	16.7	13.4	f_2+w/2	6	29	224068	220002

* 请注意刀片宽度
* Please note insert width

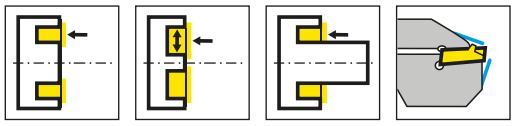
锁紧螺钉包含在刀杆内,不需要单独订购
The fastening screw is combined with the basic toolholder - no seperate order required.

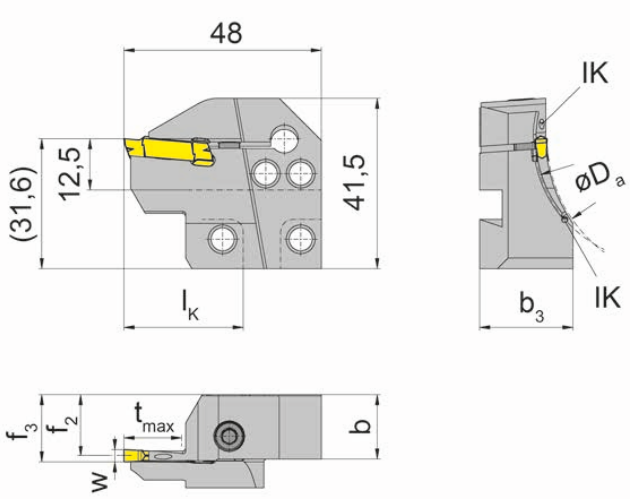
配件
Spare Parts

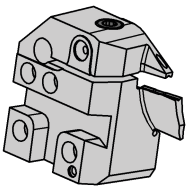
刀夹 Cassette	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
LAK224...	**5.13T20P**	**T20PQ**

刀夹
Cassette

RAK224







R=右手型
R = right hand version

产品型号 Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	l_K	HWS*	HMS
RAK224.5060.03.IK	50	60	14	15.7	23.7	14.9	f_2+w/2	3	29	224038	220001
RAK224.6075.03.IK	60	75	14	15.7	22.7	14.9	f_2+w/2	3	29	224038	220001
RAK224.7590.03.IK	75	90	14	15.7	22.7	14.9	f_2+w/2	3	29	224038	220001
RAK224.9011.03.IK	90	110	14	15.7	21	14.9	f_2+w/2	3	29	224038	220001
RAK224.1113.03.IK	110	130	14	15.7	21	14.9	f_2+w/2	3	29	224038	220001
RAK224.1318.03.IK	130	180	14	15.7	20	14.9	f_2+w/2	3	29	224038	220001
RAK224.1830.03.IK	180	300	14	15.7	19	14.9	f_2+w/2	3	29	224038	220001
RAK224.3000.03.IK	300	1000	14	15.7	16.9	14.9	f_2+w/2	3	29	224038	220001
RAK224.3847.04.IK	38	47	14	15.7	24.2	14.4	f_2+w/2	4	29	224048	220001
RAK224.4760.04.IK	47	60	14	15.7	23.7	14.4	f_2+w/2	4	29	224048	220001
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RAK224.7590.04.IK	75	90	14	15.7	22.7	14.4	f_2+w/2	4	29	224048	220001
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RAK224.1318.04.IK	130	180	14	15.7	21	14.4	f_2+w/2	4	29	224048	220001
RAK224.1830.04.IK	180	300	14	15.7	19	14.4	f_2+w/2	4	29	224048	220001
RAK224.3000.04.IK	300	1000	14	15.7	16.7	14.4	f_2+w/2	4	29	224048	220001

* 请注意刀片宽度
* Please note insert width

锁紧螺钉包含在刀杆内,不需要单独订购
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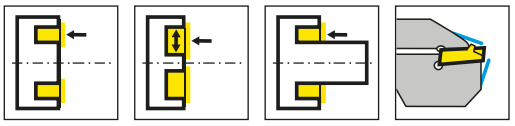
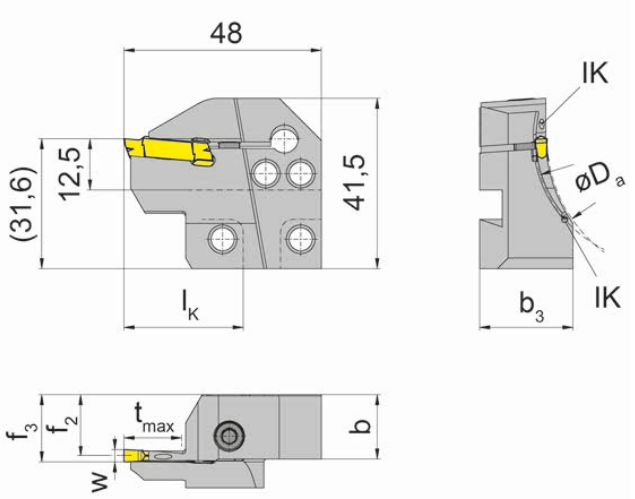
T

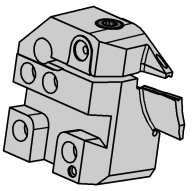
配件
Spare Parts

刀夹 Cassette	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
RAK224...	**5.13T20P**	**T20PQ**

RAK224







R=右手型
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产品型号 Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	l_K	HWS*	HMS
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RAK224.4760.05.IK	47	60	14	15.7	23.7	13.9	f_2+w/2	5	29	224058	220001
RAK224.6075.05.IK	60	75	14	15.7	23.7	13.9	f_2+w/2	5	29	224058	220001
RAK224.7590.05.IK	75	90	14	15.7	22	13.9	f_2+w/2	5	29	224058	220001
RAK224.9013.05.IK	90	130	14	15.7	22	13.9	f_2+w/2	5	29	224058	220001
RAK224.1318.05.IK	130	180	14	15.7	21	13.9	f_2+w/2	5	29	224058	220001
RAK224.1830.05.IK	180	300	14	15.7	19	13.9	f_2+w/2	5	29	224058	220001
RAK224.3000.05.IK	300	1000	14	15.7	16.7	13.9	f_2+w/2	5	29	224058	220001
RAK224.6075.06.IK	60	75	14	15.7	23	13.4	f_2+w/2	6	29	224068	220001
RAK224.7590.06.IK	75	90	14	15.7	23	13.4	f_2+w/2	6	29	224068	220001
RAK224.9013.06.IK	90	130	14	15.7	21	13.4	f_2+w/2	6	29	224068	220001
RAK224.1318.06.IK	130	180	14	15.7	21	13.4	f_2+w/2	6	29	224068	220001
RAK224.1830.06.IK	180	300	14	15.7	19	13.4	f_2+w/2	6	29	224068	220001
RAK224.3000.06.IK	300	1000	14	15.7	16.7	13.4	f_2+w/2	6	29	224068	220001

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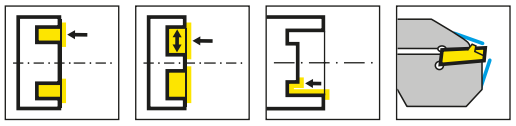
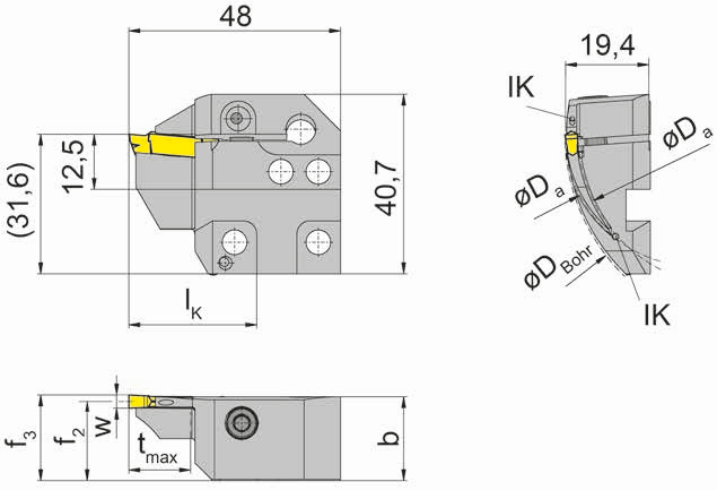
配件
Spare Parts

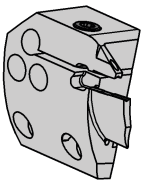
刀夹 Cassette	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
RAK224...	**5.13T20P**	**T20PQ**

刀夹
Cassette

LIK224







L=左手型
L = left hand version

产品型号 Part number	D_{Bohr}	$D_{a\ min}$	$D_{a\ max}$	t_{max}	b	f_2	f_3	w	l_K	HWS*	HMS
LIK224.5060.03.IK	90	50	60	14	19	17.9	f_2+w/2	3	29	224038	220002
LIK224.6075.03.IK	90	60	75	14	19	17.9	f_2+w/2	3	29	224038	220002
LIK224.7590.03.IK	90	75	90	14	19	17.9	f_2+w/2	3	29	224038	220002
LIK224.9011.03.IK	90	90	110	14	19	17.9	f_2+w/2	3	29	224038	220002
LIK224.1113.03.IK	110	110	130	14	19	17.9	f_2+w/2	3	29	224038	220002
LIK224.1318.03.IK	130	130	180	14	19	17.9	f_2+w/2	3	29	224038	220002
LIK224.1830.03.IK	180	180	300	14	19	17.9	f_2+w/2	3	29	224038	220002
LIK224.3000.03.IK	300	300	1000	14	19	17.4	f_2+w/2	3	29	224038	220002
LIK224.3847.04.IK	90	38	47	14	19	17.4	f_2+w/2	4	29	224048	220002
LIK224.4760.04.IK	90	47	60	14	19	17.4	f_2+w/2	4	29	224048	220002
LIK224.6075.04.IK	90	60	75	14	19	17.4	f_2+w/2	4	29	224048	220002
LIK224.7590.04.IK	90	75	90	14	19	17.4	f_2+w/2	4	29	224048	220002
LIK224.9013.04.IK	90	90	130	14	19	17.4	f_2+w/2	4	29	224048	220002
LIK224.1318.04.IK	130	130	180	14	19	17.4	f_2+w/2	4	29	224048	220002
LIK224.1830.04.IK	180	180	300	14	19	17.4	f_2+w/2	4	29	224048	220002
LIK224.3000.04.IK	300	300	1000	14	19	17.4	f_2+w/2	4	29	224048	220002

* 请注意刀片宽度
* Please note insert width

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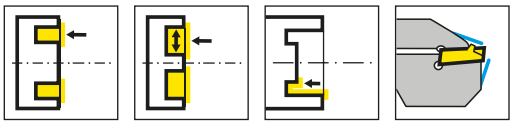
T

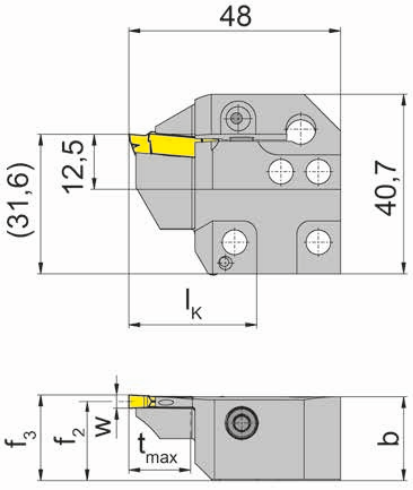
配件
Spare Parts

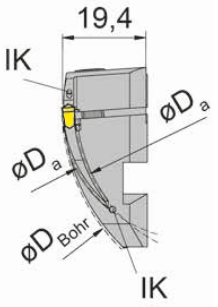
刀夹 Cassette	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
LIK224...	**5.13T20P**	**T20PQ**

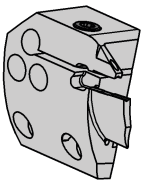
刀夹
Cassette

LIK224









L=左手型
L = left hand version

产品型号 Part number	D_{Bohr}	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	f_2	f_3	w	l_K	HWS*	HMS
LIK224.3847.05.IK	90	38	47	14	19	16.9	f_2+w/2	5	29	224058	220002
LIK224.4760.05.IK	90	47	60	14	19	17.4	f_2+w/2	5	29	224058	220002
LIK224.6075.05.IK	90	60	75	14	19	16.9	f_2+w/2	5	29	224058	220002
LIK224.7590.05.IK	90	75	90	14	19	16.9	f_2+w/2	5	29	224058	220002
LIK224.9013.05.IK	90	90	130	14	19	16.9	f_2+w/2	5	29	224058	220002
LIK224.1318.05.IK	130	130	180	14	19	16.9	f_2+w/2	5	29	224058	220002
LIK224.1830.05.IK	180	180	300	14	19	16.9	f_2+w/2	5	29	224058	220002
LIK224.3000.05.IK	300	300	1000	14	18.9	16.9	f_2+w/2	5	29	224058	220002
LIK224.6075.06.IK	90	60	75	14	19	16.4	f_2+w/2	6	29	224068	220002
LIK224.7590.06.IK	90	75	90	14	19	16.4	f_2+w/2	6	29	224068	220002
LIK224.9013.06.IK	90	90	130	14	19	16.4	f_2+w/2	6	29	224068	220002
LIK224.1318.06.IK	130	130	180	14	19	16.4	f_2+w/2	6	29	224068	220002
LIK224.1830.06.IK	180	180	300	14	19	16.4	f_2+w/2	6	29	224068	220002
LIK224.3000.06.IK	300	300	1000	14	18.75	16.4	f_2+w/2	6	29	224068	220002

* 请注意刀片宽度
* Please note insert width

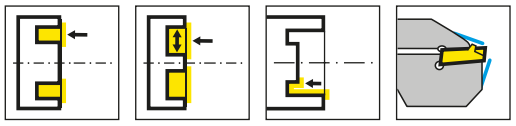
锁紧螺钉包含在刀杆内,不需要单独订购
The fastening screw is combined with the basic toolholder - no seperate order required.

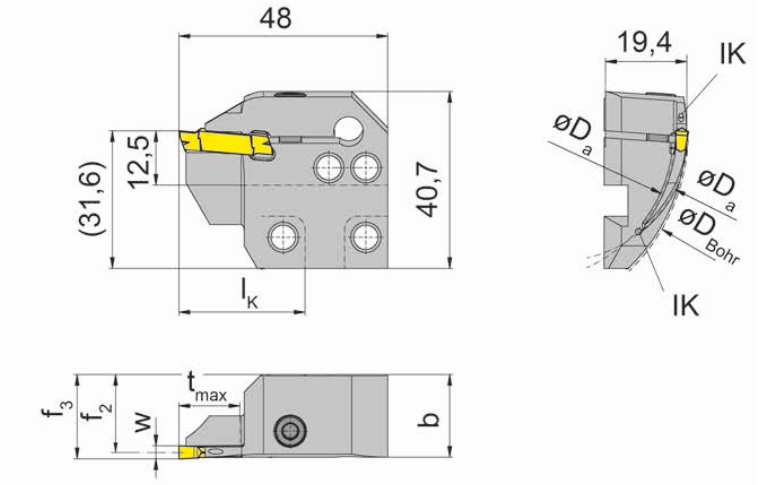
配件
Spare Parts

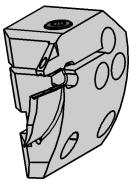
刀夹 Cassette	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
LIK224...	**5.13T20P**	**T20PQ**

刀夹
Cassette

RIK224







R=右手型
R = right hand version

产品型号 Part number	D_{Bohr}	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	f_2	f_3	w	l_K	HWS*	HMS
RIK224.5060.03.IK	90	50	60	14	19	17.9	f_2+w/2	3	29	224038	220001
RIK224.6075.03.IK	90	60	75	14	19	17.9	f_2+w/2	3	29	224038	220001
RIK224.7590.03.IK	90	75	90	14	19	17.9	f_2+w/2	3	29	224038	220001
RIK224.9011.03.IK	90	90	110	14	19	17.9	f_2+w/2	3	29	224038	220001
RIK224.1113.03.IK	110	110	130	14	19	17.9	f_2+w/2	3	29	224038	220001
RIK224.1318.03.IK	130	130	180	14	19.05	17.9	f_2+w/2	3	29	224038	220001
RIK224.1830.03.IK	180	180	300	14	19	17.9	f_2+w/2	3	29	224038	220001
RIK224.3000.03.IK	300	300	1000	14	19.1	17.4	f_2+w/2	3	29	224038	220001
RIK224.3847.04.IK	90	38	47	14	19	17.4	f_2+w/2	4	29	224048	220001
RIK224.4760.04.IK	90	47	60	14	19	17.4	f_2+w/2	4	29	224048	220001
RIK224.6075.04.IK	90	60	75	14	19	17.4	f_2+w/2	4	29	224048	220001
RIK224.7590.04.IK	90	75	90	14	19	17.4	f_2+w/2	4	29	224048	220001
RIK224.9013.04.IK	90	90	130	14	19	17.4	f_2+w/2	4	29	224048	220001
RIK224.1318.04.IK	130	130	180	14	19	17.4	f_2+w/2	4	29	224048	220001
RIK224.1830.04.IK	180	180	300	14	19	17.4	f_2+w/2	4	29	224048	220001
RIK224.3000.04.IK	300	300	1000	14	19	17.4	f_2+w/2	4	29	224048	220001

* 请注意刀片宽度
* Please note insert width

锁紧螺钉包含在刀杆内,不需要单独订购
The fastening screw is combined with the basic toolholder - no seperate order required.

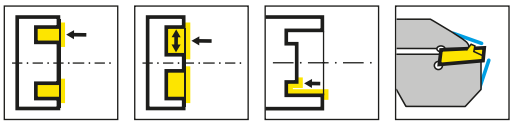
T

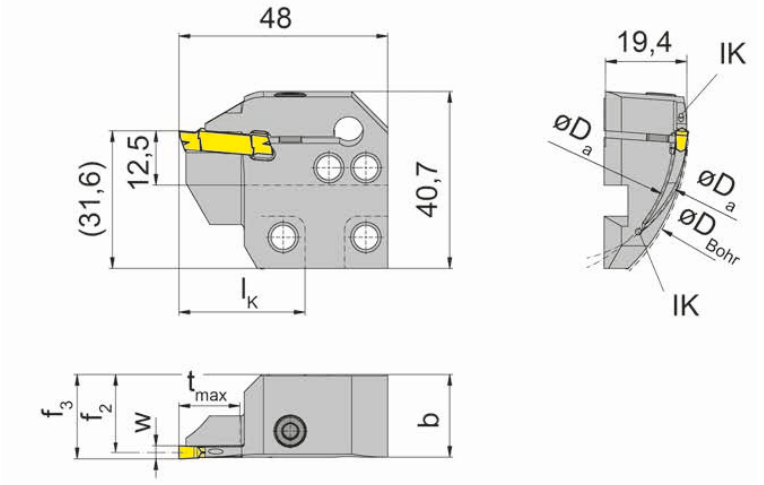
配件
Spare Parts

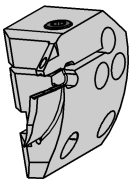
刀夹 Cassette	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
RIK224...	**5.13T20P**	**T20PQ**

刀夹
Cassette

RIK224







R=右手型
R = right hand version

产品型号 Part number	D_{Bohr}	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	f_2	f_3	w	l_K	HWS*	HMS
RIK224.3847.05.IK	90	38	47	14	19	16.9	f_2+w/2	5	29	224058	220001
RIK224.4760.05.IK	90	47	60	14	19	17.4	f_2+w/2	5	29	224058	220001
RIK224.6075.05.IK	90	60	75	14	19	16.9	f_2+w/2	5	29	224058	220001
RIK224.7590.05.IK	90	75	90	14	19	16.9	f_2+w/2	5	29	224058	220001
RIK224.9013.05.IK	90	90	130	14	19	16.9	f_2+w/2	5	29	224058	220001
RIK224.1318.05.IK	130	130	180	14	19	16.9	f_2+w/2	5	29	224058	220001
RIK224.1830.05.IK	180	180	300	14	19	16.9	f_2+w/2	5	29	224058	220001
RIK224.3000.05.IK	300	300	1000	14	18.9	16.9	f_2+w/2	5	29	224058	220001
RIK224.6075.06.IK	90	60	75	14	19	16.4	f_2+w/2	6	29	224068	220001
RIK224.7590.06.IK	90	75	90	14	19	16.4	f_2+w/2	6	29	224068	220001
RIK224.9013.06.IK	90	90	130	14	19	16.4	f_2+w/2	6	29	224068	220001
RIK224.1318.06.IK	130	130	180	14	19	16.4	f_2+w/2	6	29	224068	220001
RIK224.1830.06.IK	180	180	300	14	19	16.4	f_2+w/2	6	29	224068	220001
RIK224.3000.06.IK	300	300	1000	14	18.75	16.4	f_2+w/2	6	29	224068	220001

* 请注意刀片宽度
* Please note insert width

锁紧螺钉包含在刀杆内,不需要单独订购
The fastening screw is combined with the basic toolholder - no seperate order required.

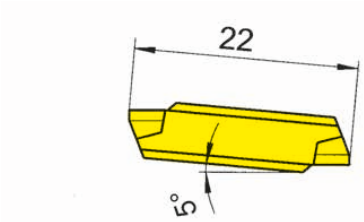
配件
Spare Parts

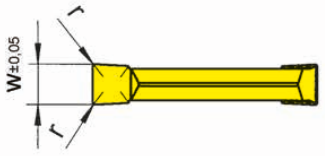
刀夹 Cassette	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
RIK224...	**5.13T20P**	**T20PQ**

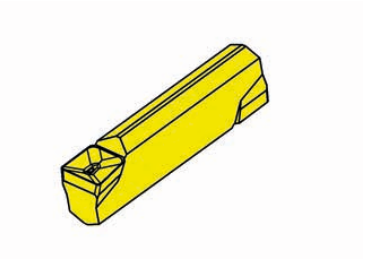
可转位刀片
Indexable insert

S224

.D







硬质合金牌号
Carbide grades

▲ 库存
on stock

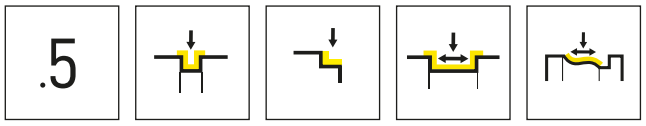
Δ 4周
4 weeks

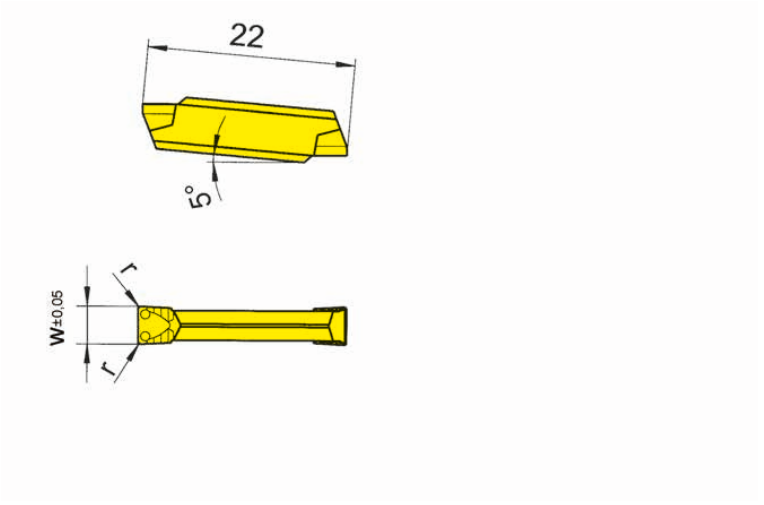
产品型号 Part number	w	r	HIS		H54	IG66	TF45	TF46	TI22	TI25	TN32	TN35
S224.0300.D2.G	3	0.2	224038			▲	▲	▲	▲			
S224.0300.D2	3	0.2	224038		▲	▲	▲	▲		▲	▲	▲
S224.0400.D2.G	4	0.2	224048			▲		▲	▲			
S224.0400.D2	4	0.2	224048		Δ	▲	▲	▲		▲	Δ	▲
				P	●	●	●	●	●	●	●	●
				M	●	●	●	o	-	●	-	●
				K	-	-	●	●	-	●	-	●
				N	-	-	●	●	-	●	-	●
				S	-	o	●	o	-	●	-	●
				H	-	-	-	-	-	-	-	-

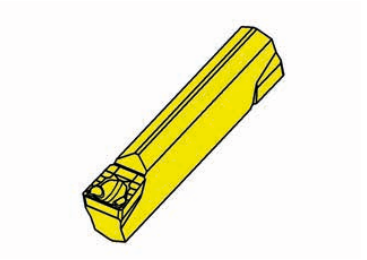
T

可转位刀片
Indexable insert

S224







硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

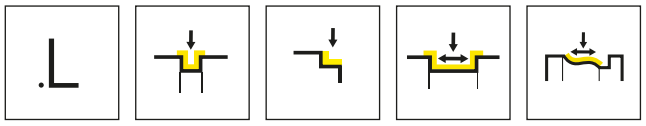
产品型号 Part number	w	r	HIS
S224.0300.52	3	0.2	224038
S224.0300.54	3	0.4	224038
S224.0400.52	4	0.2	224048
S224.0400.54	4	0.4	224048
S224.0500.54	5	0.4	224058
S224.0500.58	5	0.8	224058

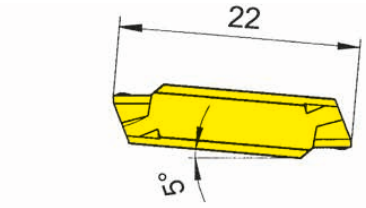
	AL96	AS62	AS66	EG56	H54	IG66	TC92	TF45	TI25	TN32	TN35
	Δ	▲	▲	▲	Δ	▲	▲	▲	▲	▲	▲
	▲	▲	▲	▲	Δ	▲	▲	▲	▲	▲	▲
	▲	▲	▲	▲	Δ	▲	Δ	▲	▲	▲	▲
	▲	▲	▲	▲	Δ	▲	▲	▲	▲	▲	▲
	Δ	▲	▲	▲	Δ	▲	▲	▲	▲	▲	▲
	Δ	▲	▲	Δ	Δ	▲		Δ	▲	Δ	Δ
P	●	●	●	●	●	●	●	●	●	●	●
M	-	-	o	o	●	●	-	●	●	-	●
K	●	-	●	o	-	-	-	●	●	-	●
N	●	-	●	-	-	-	-	●	●	-	●
S	-	-	o	-	-	o	-	●	●	-	●
H	-	-	-	-	-	-	-	-	-	-	-

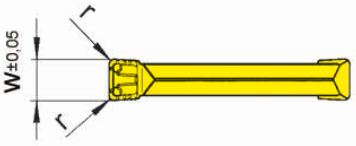
T

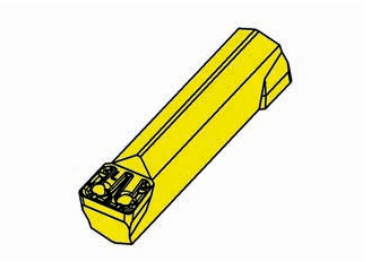
可转位刀片
Indexable insert

S224









硬质合金牌号
Carbide grades

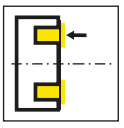
▲ 库存 on stock　　Δ 4周 4 weeks

产品型号 Part number	w	r	HIS	AL96	AS62	AS66	ASG6	IG66	TF42	TI22
S224.0400.L4	4	0.4	224048	▲	▲	▲		▲	▲	▲
S224.0500.L4	5	0.4	224058	▲	▲	▲	Δ	▲	▲	▲
S224.0500.L6	5	0.6	224058	Δ	▲	▲	Δ	▲	▲	
S224.0600.L4	6	0.4	224068	Δ	▲			▲	▲	▲
S224.0600.L6	6	0.6	224068	▲	▲		Δ	▲	Δ	▲
P				●	●	●	●	●	●	●
M				-	-	o	o	●	-	-
K				●	-	●	o	-	-	-
N				●	-	●	-	-	-	-
S				-	-	o	-	o	-	-
H				-	-	-	-	-	-	-

T

端面切槽
Face Grooving

刀杆
Toolholder
LA226/RA226/LA210/
RA210



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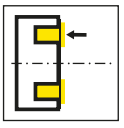
566-569

刀夹
Cassette
LAK220/RAK220/
LIK220/RIK220



页/Page
570-577

可转位刀片
Indexable insert
S229

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578

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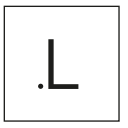
579

页/Page
580



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581

刀片
Insert
229

页/Page
582

T

229

T

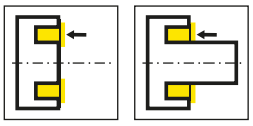
刀杆和刀片

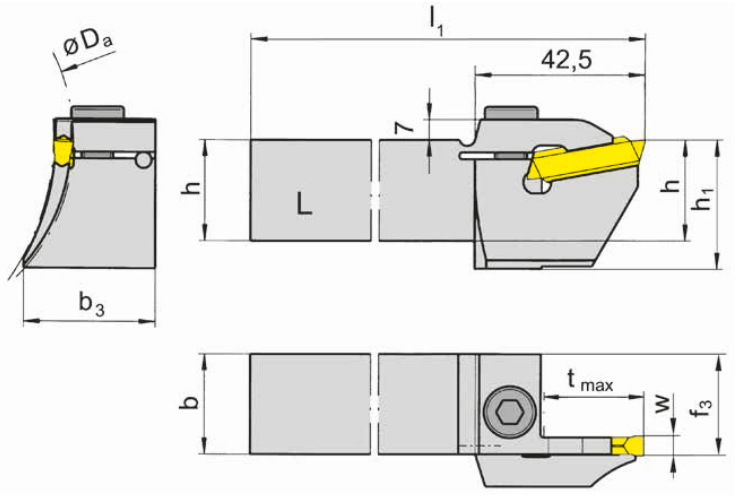
槽宽 4 - 8 mm

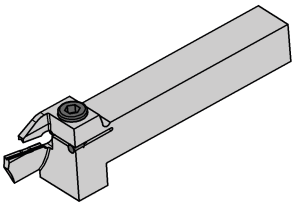
Toolholder and Inserts

Width of groove 4 - 8 mm

LA226







L=左手型
L = left hand version

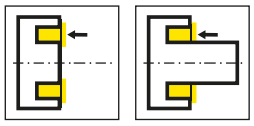
产品型号 Part number	h	b	l_1	h_1	f_3	t_{max}	$D_{a\,min}$	$D_{a\,min2}$	w	b_3	HWS*
LA226.20.9513.04	20	20	150	32	20.5	25	95	130	4	26	229040
LA226.20.1318.04	20	20	150	32	20.5	25	130	180	4	25	229040
LA226.25.9513.04	25	25	150	32	25.5	25	95	130	4	31	229040
LA226.25.1318.04	25	25	150	32	25.5	25	130	180	4	30	229040
LA226.20.9513.05	20	20	150	32	20.5	25	95	130	5	28	229050 • 229051
LA226.20.1318.05	20	20	150	32	20.5	25	130	180	5	25	229050 • 229051
LA226.25.9513.05	25	25	150	32	25.5	25	95	130	5	33	229050 • 229051
LA226.25.1318.05	25	25	150	32	25.5	25	130	180	5	30	229050 • 229051

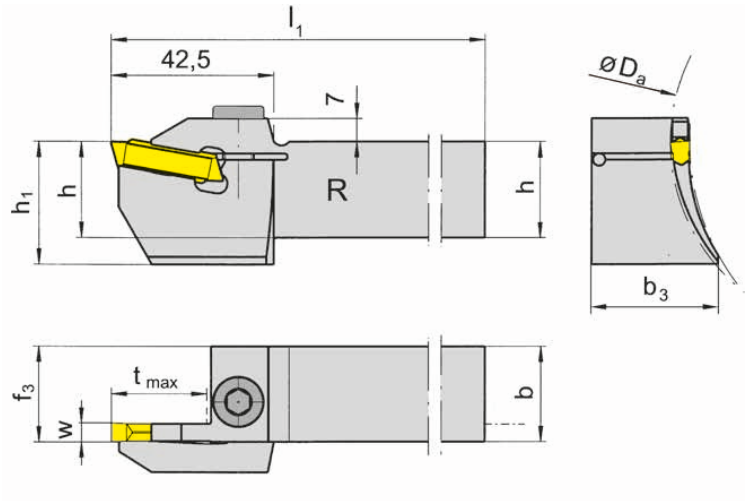
* 请注意刀片宽度
* Please note insert width

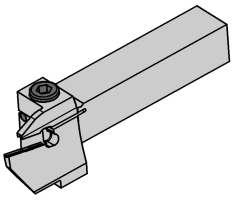
配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw
LA226...	**218.3**

RA226







R=右手型
R = right hand version

产品型号 Part number	h	b	l_1	h_1	f_3	t_{max}	$D_{a\ min}$	$D_{a\ min2}$	w	b_3	HWS*
RA226.20.9513.04	20	20	150	32	20.5	25	95	130	4	26	229040
RA226.20.1318.04	20	20	150	32	20.5	25	130	180	4	25	229040
RA226.25.9513.04	25	25	150	32	25.5	25	95	130	4	31	229040
RA226.25.1318.04	25	25	150	32	25.5	25	130	180	4	30	229040
RA226.20.9513.05	20	20	150	32	20.5	25	95	130	5	28	229050 • 229051
RA226.20.1318.05	20	20	150	32	20.5	25	130	180	5	25	229050 • 229051
RA226.25.9513.05	25	25	150	32	25.5	25	95	130	5	33	229050 • 229051
RA226.25.1318.05	25	25	150	32	25.5	25	130	180	5	30	229050 • 229051

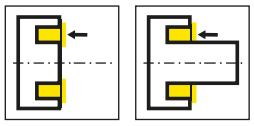
* 请注意刀片宽度
* Please note insert width

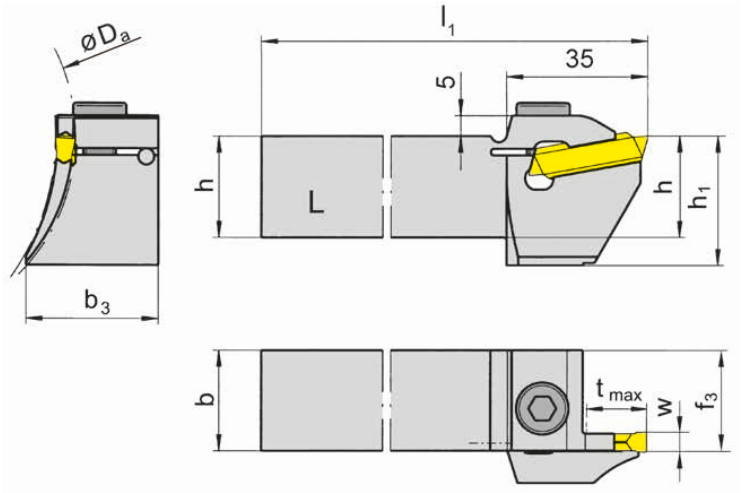
T

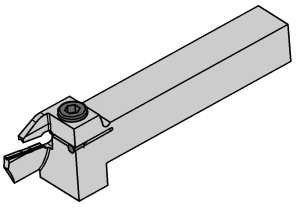
配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw
RA226...	**218.3**

LA210







L=左手型
L = left hand version

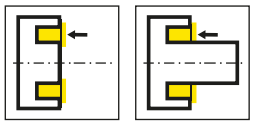
产品型号 Part number	h	b	l_1	h_1	b_3	f_3	t_{max}	$D_{a\,min}$	$D_{a\,max}$	w	HWS*
LA210.20.9513.14	20	20	150	32	26	20.5	15	95	130	4	229040
LA210.20.1318.14	20	20	150	32	25	20.5	15	130	180	4	229040
LA210.25.9513.14	25	25	150	32	31	25.5	15	95	130	4	229040
LA210.25.1318.14	25	25	150	32	30	25.5	15	130	180	4	229040
LA210.20.9513.15	20	20	150	32	28	20.5	15	95	130	5	229050 • 229051
LA210.20.1318.15	20	20	150	32	25	20.5	15	130	180	5	229050 • 229051
LA210.25.9513.15	25	25	150	32	33	25.5	15	95	130	5	229050 • 229051
LA210.25.1318.15	25	25	150	32	30	25.5	15	130	180	5	229050 • 229051
LA210.25.1318.18	25	25	150	32	30.5	25.5	15	130	180	8	229080 • 229081

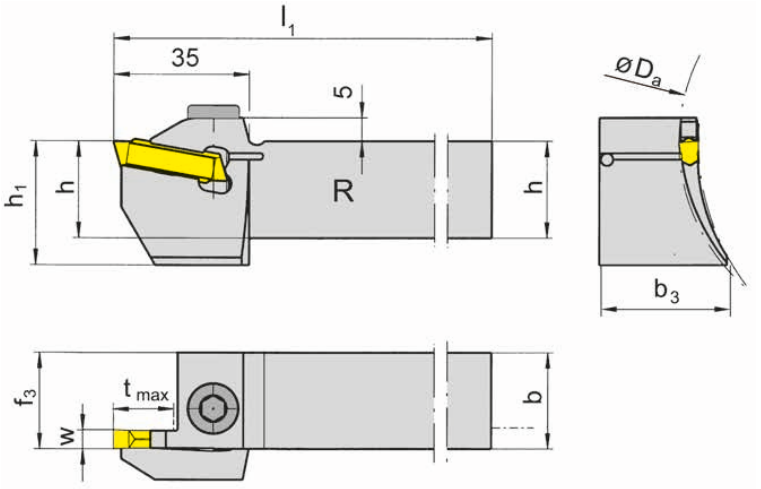
* 请注意刀片宽度
* Please note insert width

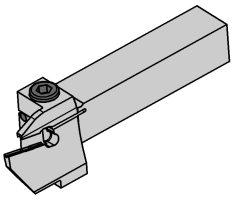
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw
LA210...	**218.3**

RA210







R=右手型
R = right hand version

产品型号 Part number	h	b	l_1	h_1	b_3	f_3	t_{max}	$D_{a\,min}$	$D_{a\,max}$	w	HWS*
RA210.20.9513.14	20	20	150	32	26	20.5	15	95	130	4	229040
RA210.25.9513.14	25	25	150	32	31	25.5	15	95	130	4	229040
RA210.25.1318.14	25	25	150	32	30	25.5	15	130	180	4	229040
RA210.20.9513.15	20	20	150	32	28	20.5	15	95	130	5	229050 • 229051
RA210.20.1318.15	20	20	150	32	25	20.5	15	130	180	5	229050 • 229051
RA210.25.9513.15	25	25	150	32	33	25.5	15	95	130	5	229050 • 229051
RA210.25.1318.15	25	25	150	32	30	25.5	15	130	180	5	229050 • 229051
RA210.32.1318.15	32	32	150	32	37	32.5	15	130	180	5	229050 • 229051
RA210.25.1318.18	25	25	150	32	30.5	25.5	15	130	180	8	229080 • 229081

* 请注意刀片宽度
* Please note insert width

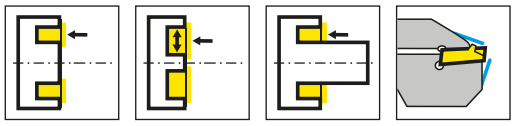
T

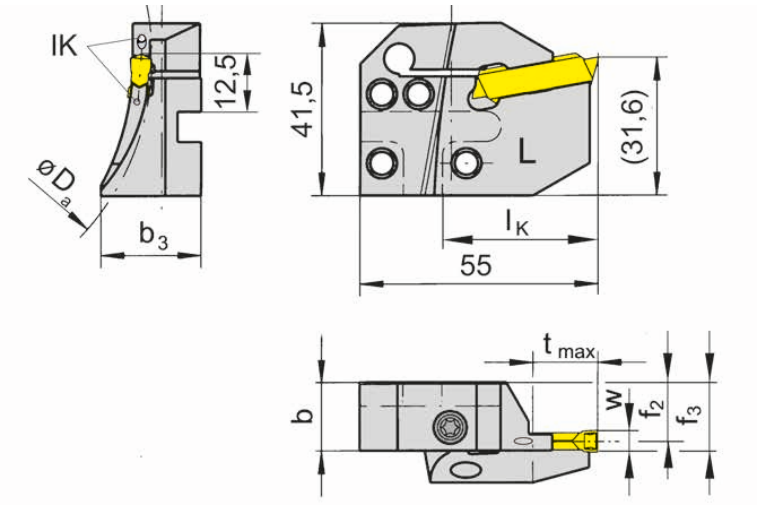
配件
Spare Parts

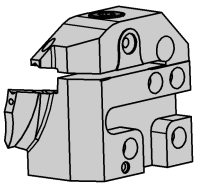
刀杆 Toolholder	锁紧螺钉 Clamping Screw
RA210...	**218.3**

刀夹
Cassette

LAK220







L=左手型
L = left hand version

产品型号 Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	l_K	HWS*	HMS
LAK220.6575.04.IK	65	75	10	15.7	23	14.4	f_2+w/2	4	36	229050 • 229051	220002
LAK220.7595.04.IK	75	95	15	15.7	23	14.4	f_2+w/2	4	36	229040	220002
LAK220.9513.04.IK	95	130	25	15.7	21.2	14.4	f_2+w/2	4	36	229050 • 229051	220002
LAK220.1318.04.IK	130	180	25	15.7	21.2	14.4	f_2+w/2	4	36	229040	220002
LAK220.1830.04.IK	180	300	25	15.7	21.2	14.4	f_2+w/2	4	36	229050 • 229051	220002
LAK220.3000.04.IK	300	1000	25	15.7	16.8	14.4	f_2+w/2	4	36	229050 • 229051	220002
LAK220.6075.05.IK	60	75	10	15.7	23	13.9	f_2+w/2	5	36	229050 • 229051	220002
LAK220.7595.05.IK	75	95	17	15.7	23	13.9	f_2+w/2	5	36	229040	220002
LAK220.9513.05.IK	95	130	25	15.7	23	13.9	f_2+w/2	5	36	229040	220002
LAK220.1318.05.IK	130	180	25	15.7	21.2	13.9	f_2+w/2	5	36	229040	220002
LAK220.1830.05.IK	180	300	25	15.7	19	13.9	f_2+w/2	5	36	229040	220002
LAK220.3000.05.IK	300	1000	25	15.7	16.8	13.9	f_2+w/2	5	36	229040	220002
LAK220.6075.06.IK	60	75	10	15.7	23	13.4	f_2+w/2	6	36	229040	220002
LAK220.7595.06.IK	75	95	17	15.7	23	13.4	f_2+w/2	6	36	229050 • 229051	220002
LAK220.9513.06.IK	95	130	25	15.7	23	13.4	f_2+w/2	6	36	229040	220002
LAK220.1318.06.IK	130	180	25	15.7	21.2	13.4	f_2+w/2	6	36	229040	220002
LAK220.1830.06.IK	180	300	25	15.7	19	13.4	f_2+w/2	6	36	229040	220002
LAK220.3000.06.IK	300	1000	25	15.7	16.8	13.4	f_2+w/2	6	36	229040	220002

* 请注意刀片宽度
* Please note insert width

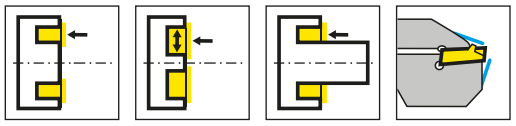
锁紧螺钉包含在刀杆内,不需要单独订购
The fastening screw is combined with the basic toolholder - no seperate order required.

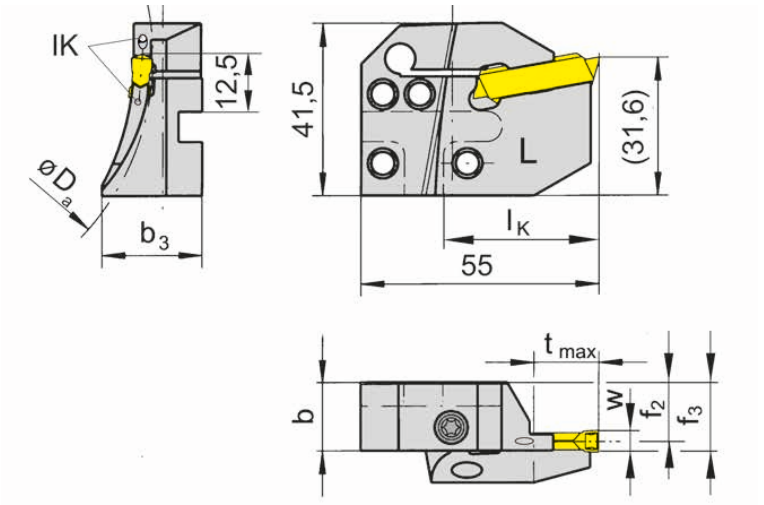
配件
Spare Parts

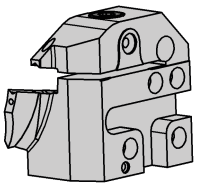
刀夹 Cassette	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
LAK220...	**6.23T25P**	**T25PQ**

刀夹
Cassette

LAK220







L=左手型
L = left hand version

产品型号 Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	l_K	HWS*	HMS
LAK220.6575.14.IK	65	75	10	15.7	23	14.4	f_2+w/2	4	36	229040	220002
LAK220.7595.14.IK	75	95	15	15.7	23	14.4	f_2+w/2	4	36	229040	220002
LAK220.9513.14.IK	95	130	15	15.7	21.2	14.4	f_2+w/2	4	36	229040	220002
LAK220.1318.14.IK	130	180	15	15.7	21.2	14.4	f_2+w/2	4	36	229050 • 229051	220002
LAK220.1830.14.IK	180	300	15	15.7	19	14.4	f_2+w/2	4	36	229050 • 229051	220002
LAK220.6075.15.IK	60	75	10	15.7	23	13.9	f_2+w/2	5	36	229050 • 229051	220002
LAK220.7595.15.IK	75	95	15	15.7	23	13.9	f_2+w/2	5	36	229040	220002
LAK220.9513.15.IK	95	130	15	15.7	23	13.9	f_2+w/2	5	36	229040	220002
LAK220.1318.15.IK	130	180	15	15.7	21.2	13.9	f_2+w/2	5	36	229040	220002
LAK220.1830.15.IK	180	300	15	15.7	19	13.9	f_2+w/2	5	36	229040	220002
LAK220.6075.16.IK	60	75	10	15.7	23	13.4	f_2+w/2	6	36	229040	220002
LAK220.7595.16.IK	75	95	15	15.7	23	13.4	f_2+w/2	6	36	229040	220002
LAK220.9513.16.IK	95	130	15	15.7	23	13.4	f_2+w/2	6	36	229050 • 229051	220002
LAK220.1318.16.IK	130	180	15	15.7	21.2	13.4	f_2+w/2	6	36	229040	220002
LAK220.1830.16.IK	180	300	15	15.7	19	13.4	f_2+w/2	6	36	229040	220002

* 请注意刀片宽度
* Please note insert width

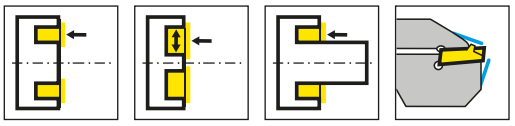
锁紧螺钉包含在刀杆内,不需要单独订购
The fastening screw is combined with the basic toolholder - no seperate order required.

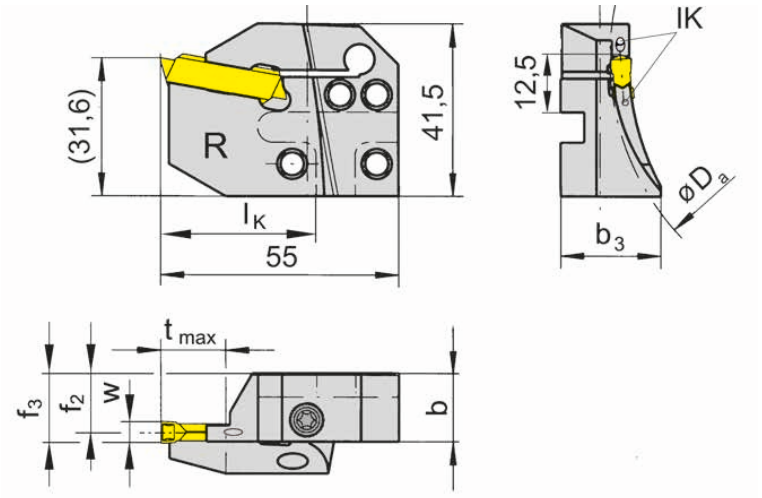
T

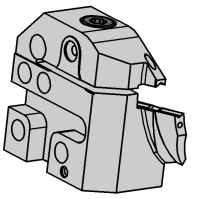
配件
Spare Parts

刀夹 Cassette	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
LAK220...	**6.23T25P**	**T25PQ**

RAK220







R=右手型
R = right hand version

产品型号 Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	l_K	HWS*	HMS
RAK220.6575.04.IK	65	75	10	15.7	23	14.4	f_2+w/2	4	36	229040	220001
RAK220.7595.04.IK	75	95	15	15.7	23	14.4	f_2+w/2	4	36	229040	220001
RAK220.9513.04.IK	95	130	25	15.7	21.2	14.4	f_2+w/2	4	36	229040	220001
RAK220.1318.04.IK	130	180	25	15.7	21.2	14.4	f_2+w/2	4	36	229040	220001
RAK220.1830.04.IK	180	300	25	15.7	19	14.4	f_2+w/2	4	36	229040	220001
RAK220.3000.04.IK	300	1000	25	15.7	16.8	14.4	f_2+w/2	4	36	229040	220001
RAK220.6075.05.IK	60	75	10	15.7	23	13.9	f_2+w/2	5	36	229040	220001
RAK220.7595.05.IK	75	95	15	15.7	23	13.9	f_2+w/2	5	36	229040	220001
RAK220.9513.05.IK	95	130	25	15.7	23	13.9	f_2+w/2	5	36	229040	220001
RAK220.1318.05.IK	130	180	25	15.7	21.2	13.9	f_2+w/2	5	36	229040	220001
RAK220.1830.05.IK	180	300	25	15.7	19	13.9	f_2+w/2	5	36	229040	220001
RAK220.3000.05.IK	300	1000	25	15.7	16.8	13.9	f_2+w/2	5	36	229040	220001
RAK220.6075.06.IK	60	75	10	15.7	23	13.4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.7595.06.IK	75	95	17	15.7	23	13.4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.9513.06.IK	95	130	25	15.7	23	13.4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.1318.06.IK	130	180	25	15.7	21.2	13.4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.1830.06.IK	180	300	25	15.7	19	13.4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.3000.06.IK	300	1000	25	15.7	16.8	13.4	f_2+w/2	6	36	229050 • 229051	220001

* 请注意刀片宽度
* Please note insert width

锁紧螺钉包含在刀杆内,不需要单独订购
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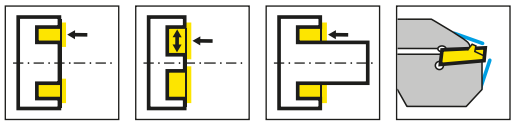
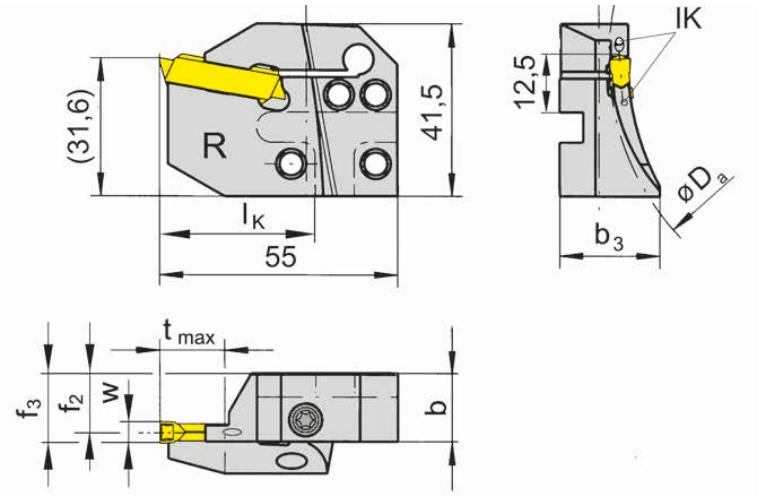
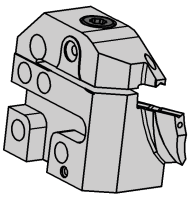
配件
Spare Parts

刀夹 Cassette	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
RAK220...	**6.23T25P**	**T25PQ**

RAK220







R=右手型
R = right hand version

产品型号 Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	l_K	HWS*	HMS
RAK220.6575.14.IK	65	75	10	15.7	23	14.4	f_2+w/2	4	36	229040	220001
RAK220.7595.14.IK	75	95	15	15.7	23	14.4	f_2+w/2	4	36	229040	220001
RAK220.9513.14.IK	95	130	15	15.7	21.2	14.4	f_2+w/2	4	36	229040	220001
RAK220.1318.14.IK	130	180	15	15.7	21.2	14.4	f_2+w/2	4	36	229040	220001
RAK220.1830.14.IK	180	300	15	15.7	19	14.4	f_2+w/2	4	36	229040	220001
RAK220.6075.15.IK	60	75	10	15.7	23	13.4	f_2+w/2	5	36	229040	220001
RAK220.7595.15.IK	75	95	15	15.7	23	13.9	f_2+w/2	5	36	229040	220001
RAK220.9513.15.IK	95	130	15	15.7	23	13.9	f_2+w/2	5	36	229040	220001
RAK220.1318.15.IK	130	180	15	15.7	21.2	13.9	f_2+w/2	5	36	229040	220001
RAK220.1830.15.IK	180	300	15	15.7	19	13.9	f_2+w/2	5	36	229040	220001
RAK220.6075.16.IK	60	75	10	15.7	23	13.4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.7595.16.IK	75	95	15	15.7	23	13.4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.9513.16.IK	95	130	15	15.7	23	13.4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.1318.16.IK	130	180	15	15.7	21.2	13.4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.1830.16.IK	180	300	15	15.7	19	13.4	f_2+w/2	6	36	229050 • 229051	220001

* 请注意刀片宽度
* Please note insert width

锁紧螺钉包含在刀杆内,不需要单独订购
The fastening screw is combined with the basic toolholder - no seperate order required.

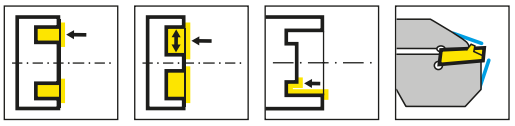
T

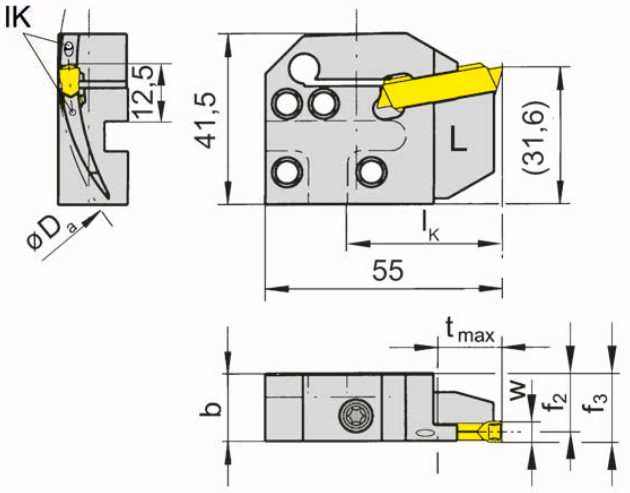
配件
Spare Parts

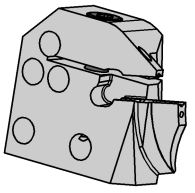
刀夹 Cassette	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
RAK220...	**6.23T25P**	**T25PQ**

刀夹
Cassette

LIK220







L=左手型
L = left hand version

产品型号 Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	f_2	f_3	w	l_K	HWS*	HMS
LIK220.6575.04.IK	65	75	10-15	15.7	14.4	f_2+w/2	4	36	229040	220002
LIK220.7595.04.IK	75	95	15-25	15.7	14.4	f_2+w/2	4	36	229040	220002
LIK220.9513.04.IK	95	130	25	15.7	14.4	f_2+w/2	4	36	229040	220002
LIK220.1318.04.IK	130	180	25	15.7	14.4	f_2+w/2	4	36	229040	220002
LIK220.1830.04.IK	180	300	25	15.7	14.4	f_2+w/2	4	36	229040	220002
LIK220.3000.04.IK	300	1000	25	15.7	14.4	f_2+w/2	4	36	229040	220002
LIK220.6075.05.IK	60	75	10-17	15.7	13.9	f_2+w/2	5	36	229040	220002
LIK220.7595.05.IK	75	95	17-25	15.7	13.9	f_2+w/2	5	36	229040	220002
LIK220.9513.05.IK	95	130	25	15.7	13.9	f_2+w/2	5	36	229040	220002
LIK220.1318.05.IK	130	180	25	15.7	13.9	f_2+w/2	5	36	229040	220002
LIK220.1830.05.IK	180	300	25	15.7	13.9	f_2+w/2	5	36	229040	220002
LIK220.3000.05.IK	300	1000	25	15.7	13.9	f_2+w/2	5	36	229040	220002
LIK220.6075.06.IK	60	75	10-17	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.7595.06.IK	75	95	17-25	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.9513.06.IK	95	130	25	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.1318.06.IK	130	180	25	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.1830.06.IK	180	300	25	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.3000.06.IK	300	1000	25	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220002

* 请注意刀片宽度
* Please note insert width

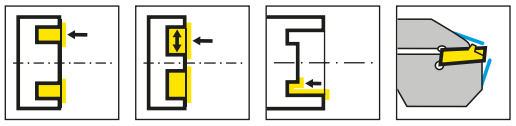
锁紧螺钉包含在刀杆内,不需要单独订购
The fastening screw is combined with the basic toolholder - no seperate order required.

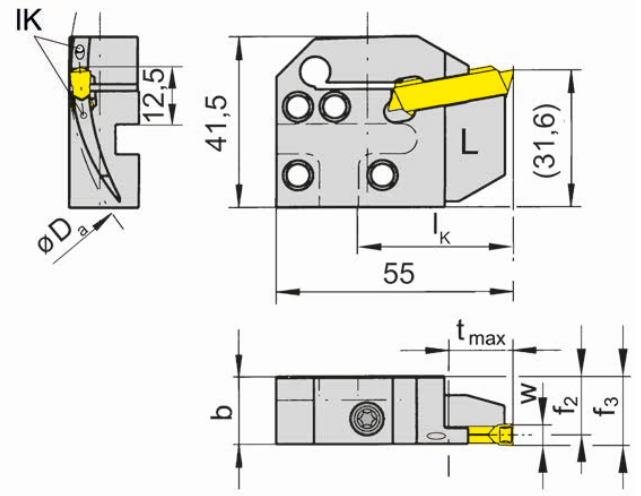
配件
Spare Parts

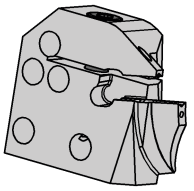
刀夹 Cassette	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
LIK220...	**6.23T25P**	**T25PQ**

刀夹
Cassette

LIK220







L=左手型
L = left hand version

产品型号 Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	f_2	f_3	w	l_K	HWS*	HMS
LIK220.6575.14.IK	65	75	10	15.7	14.4	f_2+w/2	4	36	229040	220002
LIK220.7595.14.IK	75	95	15	15.7	14.4	f_2+w/2	4	36	229040	220002
LIK220.9513.14.IK	95	130	15	15.7	14.4	f_2+w/2	4	36	229040	220002
LIK220.1830.14.IK	180	300	15	15.7	14.4	f_2+w/2	4	36	229040	220002
LIK220.6075.15.IK	60	75	10	15.7	13.9	f_2+w/2	5	36	229040	220002
LIK220.9513.15.IK	95	130	15	15.7	13.9	f_2+w/2	5	36	229040	220002
LIK220.1318.15.IK	130	180	15	15.7	13.9	f_2+w/2	5	36	229040	220002
LIK220.1830.15.IK	180	300	15	15.7	13.9	f_2+w/2	5	36	229040	220002
LIK220.6075.16.IK	130	180	10	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.7595.16.IK	75	95	15	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.9513.16.IK	95	130	15	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.1318.16.IK	130	180	15	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.1830.16.IK	180	300	15	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220002

* 请注意刀片宽度
* Please note insert width

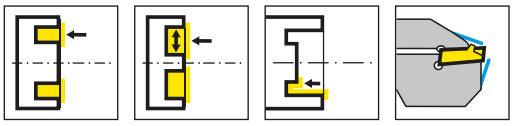
锁紧螺钉包含在刀杆内,不需要单独订购
The fastening screw is combined with the basic toolholder - no seperate order required.

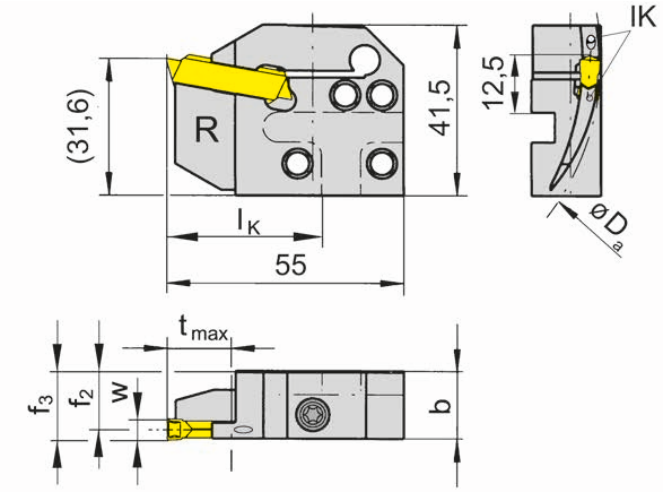
T

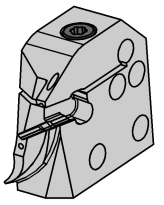
配件
Spare Parts

刀夹 Cassette	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
LIK220...	**6.23T25P**	**T25PQ**

RIK220







R=右手型
R = right hand version

产品型号 Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	f_2	f_3	w	l_K	HWS*	HMS
RIK220.6575.04.IK	65	75	10-15	15.7	14.4	f_2+w/2	4	36	229040	220001
RIK220.7595.04.IK	75	95	15-25	15.7	14.4	f_2+w/2	4	36	229040	220001
RIK220.9513.04.IK	95	130	25	15.7	14.4	f_2+w/2	4	36	229040	220001
RIK220.1318.04.IK	130	180	25	15.7	14.4	f_2+w/2	4	36	229040	220001
RIK220.1830.04.IK	180	300	25	15.7	14.4	f_2+w/2	4	36	229040	220001
RIK220.3000.04.IK	300	1000	25	15.7	14.4	f_2+w/2	4	36	229040	220001
RIK220.6075.05.IK	60	75	10-17	15.7	13.9	f_2+w/2	5	36	229040	220001
RIK220.7595.05.IK	75	95	17-25	15.7	13.9	f_2+w/2	5	36	229040	220001
RIK220.9513.05.IK	95	130	25	15.7	13.9	f_2+w/2	5	36	229040	220001
RIK220.1318.05.IK	130	180	25	15.7	13.9	f_2+w/2	5	36	229040	220001
RIK220.1830.05.IK	180	300	25	15.7	13.9	f_2+w/2	5	36	229040	220001
RIK220.3000.05.IK	300	1000	25	15.7	13.9	f_2+w/2	5	36	229040	220001
RIK220.6075.06.IK	60	75	10-17	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.7595.06.IK	75	95	17-25	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.9513.06.IK	95	130	25	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.1318.06.IK	130	180	25	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.1830.06.IK	180	300	25	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.3000.06.IK	300	1000	25	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220001

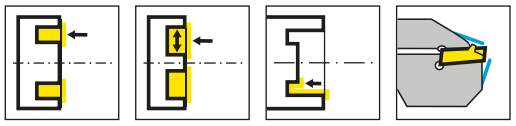
* 请注意刀片宽度
* Please note insert width

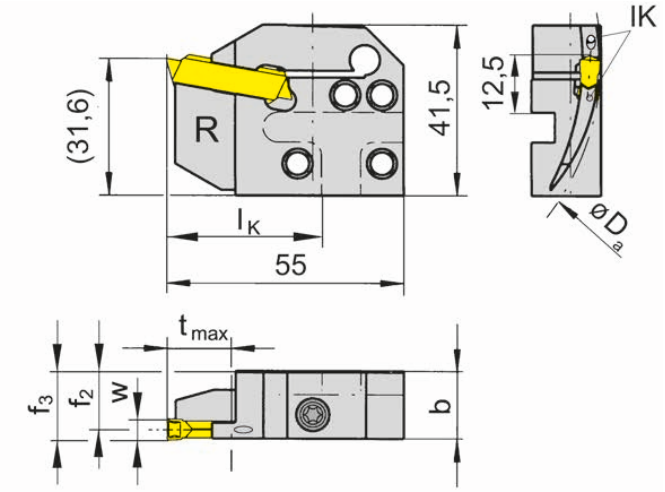
锁紧螺钉包含在刀杆内,不需要单独订购
The fastening screw is combined with the basic toolholder - no seperate order required.

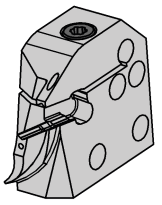
配件
Spare Parts

刀夹 Cassette	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
RIK220...	**6.23T25P**	**T25PQ**

RIK220







R=右手型
R = right hand version

产品型号 Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	f_2	f_3	w	l_K	HWS*	HMS
RIK220.6575.14.IK	65	75	10	15.7	14.4	f_2+w/2	4	36	229040	220001
RIK220.7595.14.IK	75	95	15	15.7	14.4	f_2+w/2	4	36	229040	220001
RIK220.9513.14.IK	95	130	15	15.7	14.4	f_2+w/2	4	36	229040	220001
RIK220.1318.14.IK	130	180	15	15.7	14.4	f_2+w/2	4	36	229040	220001
RIK220.1830.14.IK	180	300	15	15.7	14.4	f_2+w/2	4	36	229040	220001
RIK220.6075.15.IK	60	75	10	15.7	13.9	f_2+w/2	5	36	229040	220001
RIK220.7595.15.IK	75	95	15	15.7	13.9	f_2+w/2	5	36	229040	220001
RIK220.9513.15.IK	95	130	15	15.7	13.9	f_2+w/2	5	36	229040	220001
RIK220.1318.15.IK	130	180	15	15.7	13.9	f_2+w/2	5	36	229040	220001
RIK220.1830.15.IK	180	300	15	15.7	13.9	f_2+w/2	5	36	229040	220001
RIK220.6075.16.IK	60	75	10	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.7595.16.IK	75	95	15	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.9513.16.IK	95	130	15	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.1318.16.IK	130	180	15	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.1830.16.IK	180	300	15	15.7	13.4	f_2+w/2	6	36	229050 • 229051	220001

* 请注意刀片宽度
* Please note insert width

锁紧螺钉包含在刀杆内,不需要单独订购
The fastening screw is combined with the basic toolholder - no seperate order required.

T

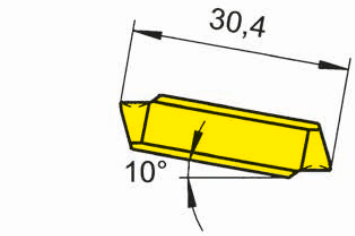
配件
Spare Parts

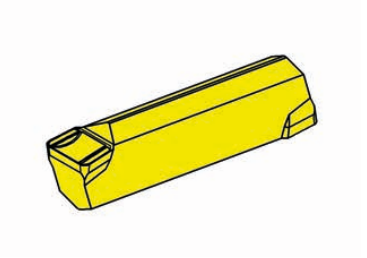
刀夹 Cassette	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
RIK220...	**6.23T25P**	**T25PQ**

可转位刀片
Indexable insert

S229

.3





宽度4 - 5 mm
Width 4 - 5 mm

宽度 6 mm
Width 6 mm

硬质合金牌号
Carbide grades

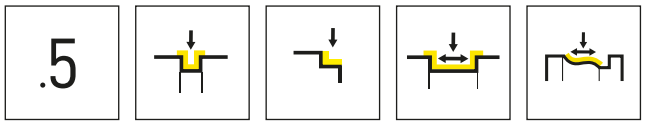
▲ 库存
on stock

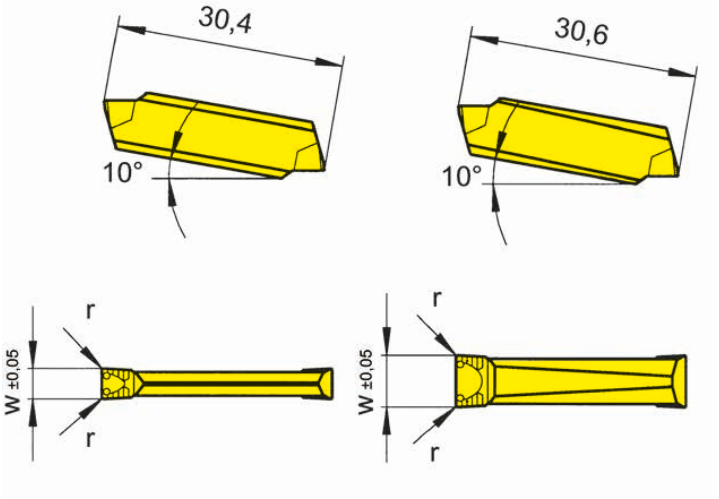
Δ 4周
4 weeks

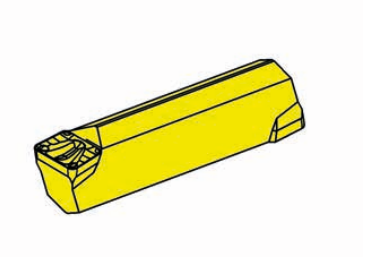
产品型号 Part number	w	r	HIS		MG12	P20	AL96	AS62	AS66	H54	IG66	TA45	TC92	TF42	TF45	TI22	TI25	TN32	TN35
S229.0400.34	4	0.4	229030 • 229040		Δ	Δ	▲	▲	▲	▲	▲		▲	▲	▲	Δ	▲	▲	▲
S229.0500.34	5	0.4	229040		Δ	Δ	▲	▲	▲	Δ	▲	Δ	▲		▲	▲	▲	▲	▲
S229.0500.36	5	0.6	229040			Δ				Δ	▲		Δ			Δ	Δ	Δ	Δ
S229.0600.34	6	0.4	229051		Δ	Δ	▲	▲	▲	Δ	▲	Δ	Δ		▲	Δ	▲	▲	▲
S229.0600.38	6	0.8	229051				▲	▲	▲		▲		▲			Δ			
S229.0400.32	4	0.2	229030 • 229040		Δ	Δ	▲	▲	▲	▲	▲	Δ	▲		▲		▲	▲	▲
				P	o	●	●	●	●	●	●	●	●	●	●	●	●	●	●
				M	-	-	-	-	o	●	●	●	-	-	●	-	●	-	●
				K	-	-	●	-	●	-	-	●	-	-	●	-	●	-	●
				N	-	-	●	-	●	-	-	●	-	-	●	-	●	-	●
				S	-	-	-	-	o	-	o	●	-	-	●	-	●	-	●
				H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

可转位刀片
Indexable insert

S229







宽度4 - 5 mm
Width 4 - 5 mm

宽度 6 mm
Width 6 mm

硬质合金牌号
Carbide grades

▲ 库存
on stock

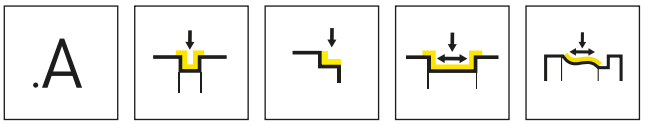
Δ 4周
4 weeks

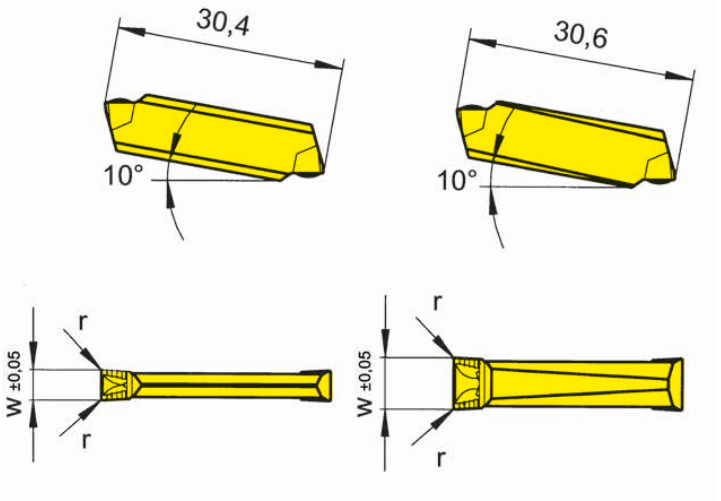
产品型号 Part number	w	r	HIS		P20	AL96	AS62	IG66	TC92	TF45	TI22	TI25	TN32	TN35
S229.0400.52	4	0.2	229030 • 229040		Δ	Δ	▲	▲	Δ	▲	▲	▲	▲	▲
S229.0400.54	4	0.4	229030 • 229040			Δ	▲	▲		▲	▲	▲	▲	▲
S229.0500.54	5	0.4	229040		Δ	Δ	▲	▲	▲	▲	▲	▲	▲	▲
S229.0500.56	5	0.6	229040					▲	Δ			Δ	Δ	Δ
S229.0600.54	6	0.4	229051		Δ	Δ	▲	▲	▲	▲		▲	▲	▲
S229.0600.56	6	0.6	229051			Δ		▲	Δ			Δ	Δ	Δ
				P	●	●	●	●	●	●	●	●	●	●
				M	-	-	-	●	-	●	-	●	-	●
				K	-	●	-	-	-	●	-	●	-	●
				N	-	●	-	-	-	●	-	●	-	●
				S	-	-	-	o	-	●	-	●	-	●
				H	-	-	-	-	-	-	-	-	-	-

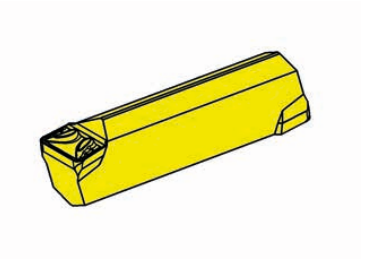
T

可转位刀片
Indexable insert

S229







宽度4 - 5 mm
Width 4 - 5 mm

宽度 6 mm
Width 6 mm

硬质合金牌号
Carbide grades

▲ 库存
on stock

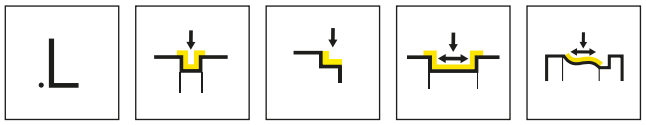
Δ 4周
4 weeks

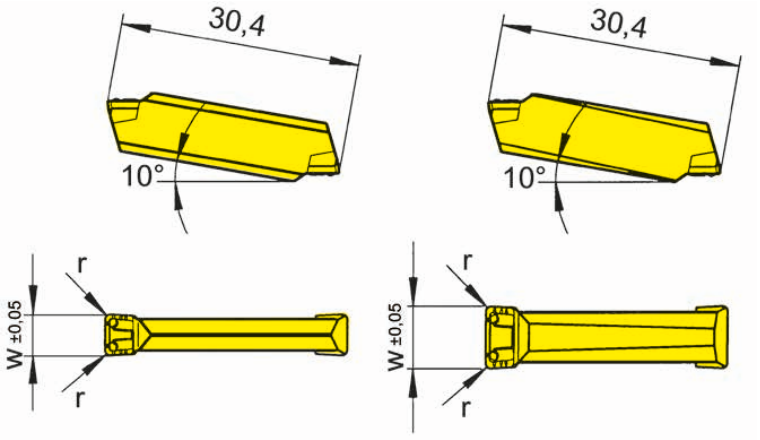
产品型号 Part number	w	r	HIS	P20	AL96	AS62	IG66	TC92	TF42	TF45	TI22	TI25	TN32	TN35
S229.0400.A2	4	0.2	229030 • 229040	Δ	Δ	▲		Δ		▲	Δ	▲	▲	▲
S229.0400.A4	4	0.4	229030 • 229040		Δ	▲		Δ	▲	Δ	▲	▲	▲	▲
S229.0500.A4	5	0.4	229040			▲	▲	Δ		Δ	▲	Δ	▲	▲
S229.0600.A4	6	0.4	229051	Δ		▲			Δ	▲	▲	Δ	▲	▲
P				●	●	●	●	●	●	●	●	●	●	●
M				-	-	-	●	-	-	●	-	●	-	●
K				-	●	-	-	-	-	●	-	●	-	●
N				-	●	-	-	-	-	●	-	●	-	●
S				-	-	-	o	-	-	●	-	●	-	●
H				-	-	-	-	-	-	-	-	-	-	-

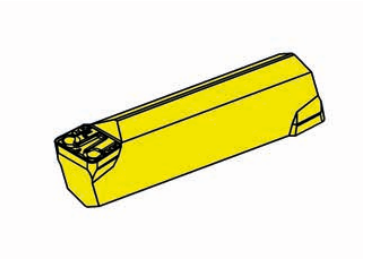
T

可转位刀片
Indexable insert

S229







宽度4 - 5 mm
Width 4 - 5 mm

宽度 6 mm
Width 6 mm

硬质合金牌号
Carbide grades

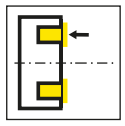
▲ 库存
on stock

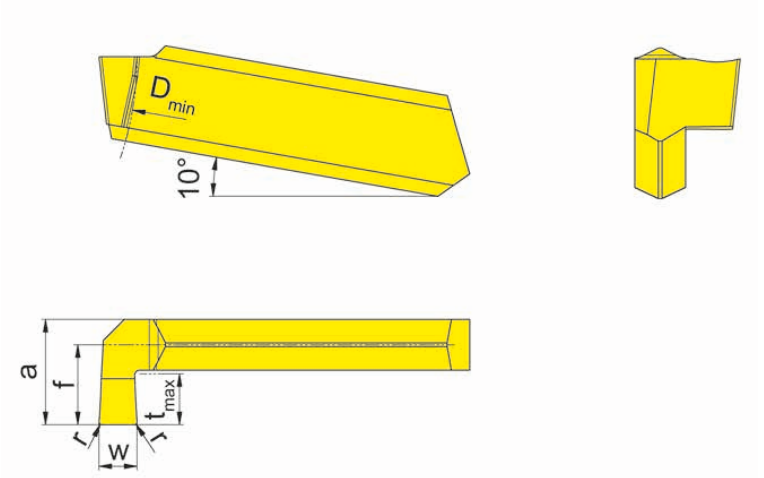
Δ 4周
4 weeks

产品型号 Part number	w	r	HIS	AL96	AS62	AS65	AS66	IG65	IG66	TF42	TI22
S229.0300.L6	3	0.6	229020 • 229030			▲		▲			
S229.0300.L8	3	0.8	229020 • 229030			▲		▲			
S229.0400.L4	4	0.4	229030 • 229040	▲	▲		▲		▲	▲	▲
S229.0500.L4	5	0.4	229040	▲	▲		▲		▲	▲	▲
S229.0500.L6	5	0.6	229040	▲	▲		▲		▲	▲	
S229.0600.L4	6	0.4	229050	Δ	▲		▲		▲	▲	▲
S229.0600.L6	6	0.6	229050	Δ	▲		▲		▲	▲	▲
P				●	●	●	●	●	●	●	●
M				-	-	o	o	●	●	-	-
K				●	-	o	●	-	-	-	-
N				●	-	-	●	-	-	-	-
S				-	-	-	o	o	o	-	-
H				-	-	-	-	-	-	-	-

T

.10





R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

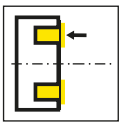
产品型号 Part number	w	r	t_{max}	a	f	D_{min}	HIS	AS65
R229.3040.HA50.12	3	0.2	4	8.3	6.3	50	229040	Δ
R229.4040.HA50.12	4	0.2	4	8.3	6.3	50	229040	Δ
L229.3040.HA50.12	3	0.2	4	8.3	6.3	50	229040	Δ
L229.4040.HA50.12	4	0.2	4	8.3	6.3	50	229040	Δ

P	●
M	o
K	o
N	-
S	-
H	-

T

端面切槽
Face Grooving

刀杆
Toolholder
221/228



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586-587

可转位刀片
Indexable insert
231/N231

.3

页/Page
588

T

231

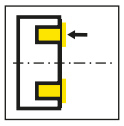
T

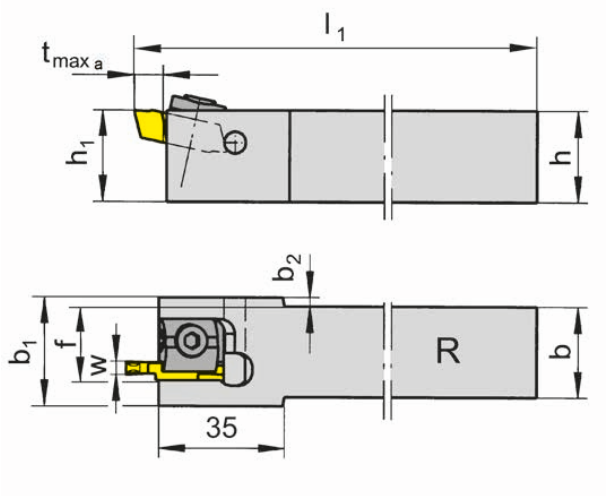
刀杆和刀片

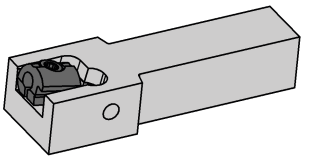
槽宽 3 - 10 mm

Toolholder and Inserts

Width of groove 3 - 10 mm







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

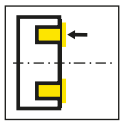
产品型号 Part number	h	b	l_1	h_1	b_1	f	$t_{max\ a}$	b_2	$D_{a\ min}$	夹持范围 Clamping range	HWS
R221.2020.04	20	20	125	20	28	17.9	8	4	40	3.0-4.0	23104R • 23104N
R221.2525.04	25	25	150	25	28	20.4	8	1.5	40	3.0-4.0	23104R • 23104N
R221.2020.05	20	20	125	20	30	18.9	8	5	40	4.1-6.0	23105R • 23105N
R221.2525.05	25	25	150	25	30	21.4	8	2.5	40	4.1-6.0	23105R • 23105N
R221.2020.07	20	20	125	20	32	19.9	8	6	40	6.1-8.0	23107R • 23107N
R221.2525.07	25	25	150	25	32	22.4	8	3.5	40	6.1-8.0	23107R • 23107N
R221.2020.09	20	20	125	20	34	20.9	8	7	40	8.1-10.0	23109R • 23109N
R221.2525.09	25	25	150	25	34	23.4	8	4.5	40	8.1-10.0	23109R • 23109N
L221.2020.04	20	20	125	20	28	17.9	8	4	40	3.0-4.0	23104L • 23104N
L221.2525.04	25	25	150	25	28	20.4	8	1.5	40	3.0-4.0	23104L • 23104N
L221.2020.05	20	20	125	20	30	18.9	8	5	40	4.1-6.0	23105L • 23105N
L221.2525.05	25	25	150	25	30	21.4	8	2.5	40	4.1-6.0	23105L • 23105N
L221.2020.07	20	20	125	20	32	19.9	8	6	40	6.1-8.0	23107L • 23107N
L221.2525.07	25	25	150	25	32	22.4	8	3.5	40	6.1-8.0	23107L • 23107N
L221.2020.09	20	20	125	20	34	20.9	8	7	40	8.1-10.0	23109L • 23109N
L221.2525.09	25	25	150	25	34	23.4	8	4.5	40	8.1-10.0	23109L • 23109N

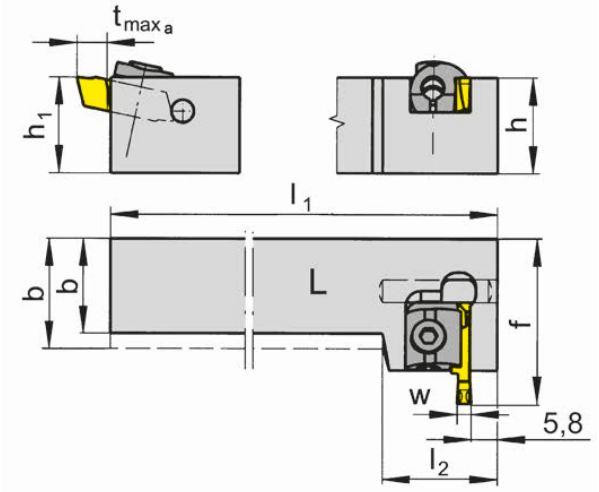
w见刀片
w see indexable inserts

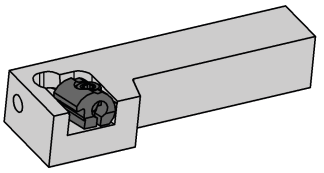
根据切槽深度的不同，该刀柄的使用直径范围从 Da = 30 mm 到 ∞。.
This toolholder can be used from Da = 30 mm up to ∞ depending on grooving depth.

配件
Spare Parts

刀杆 Toolholder	压板 Clamping element	TORX PLUS®扳手 TORX PLUS® Wrench
R/L221...	**01.60.12**	**T20PQ**







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

产品型号 Part number	h	b	h_1	f	$t_{max\ a}$	$D_{a\ min}$	l_1	l_2	夹持范围 Clamping range	HWS
R228.2020.04	20	20	20	38.5	8	40	125	35.5	3.0-4.0	23104R • 23104N
R228.2525.04	25	25	25	38.5	8	40	150	35.5	3.0-4.0	23104R • 23104N
R228.2020.05	20	20	20	38.5	8	40	125	35.5	4.1-6.0	23105R • 23105N
R228.2525.05	25	25	25	38.5	8	40	150	35.5	4.1-6.0	23105R • 23105N
R228.2020.07	20	20	20	38.5	8	40	125	35.5	6.1-8.0	23107R • 23107N
R228.2525.07	25	25	25	38.5	8	40	150	35.5	6.1-8.0	23107R • 23107N
R228.2020.09	20	20	20	38.5	8	40	125	35.5	8.1-10.0	23109R • 23109N
R228.2525.09	25	25	25	38.5	8	40	150	35.5	8.1-10.0	23109R • 23109N
L228.2020.04	20	20	20	38.5	8	40	125	35.5	3.0-4.0	23104L • 23104N
L228.2525.04	25	25	25	38.5	8	40	150	35.5	3.0-4.0	23104L • 23104N
L228.2020.05	20	20	20	38.5	8	40	125	35.5	4.1-6.0	23105L • 23105N
L228.2525.05	25	25	25	38.5	8	40	150	35.5	4.1-6.0	23105L • 23105N
L228.2525.07	25	25	25	38.5	8	40	150	35.5	6.1-8.0	23107L • 23107N
L228.2020.09	20	20	20	38.5	8	40	125	35.5	8.1-10.0	23109L • 23109N
L228.2525.09	25	25	25	38.5	8	40	150	35.5	8.1-10.0	23109L • 23109N

w见刀片
w see indexable inserts

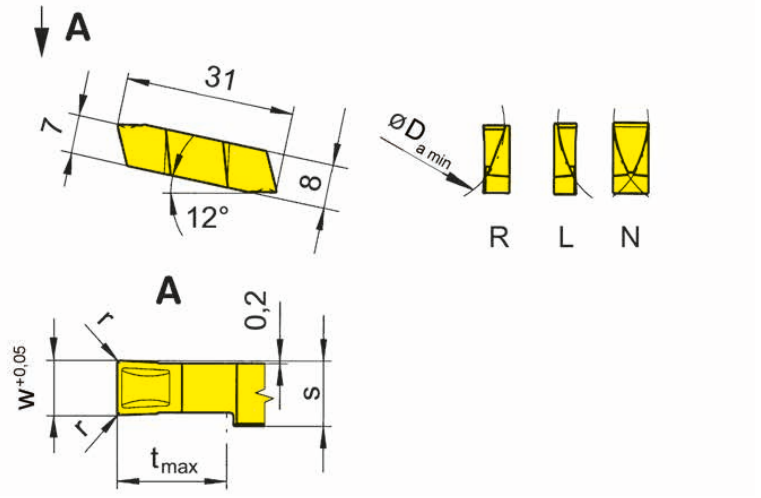
根据切槽深度的不同，该刀柄的使用直径范围从 Da = 30 mm 到 ∞。.
This toolholder can be used from Da = 30 mm up to ∞ depending on grooving depth.

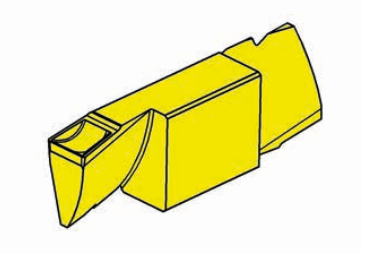
T

配件
Spare Parts

刀杆 Toolholder	**压板** Clamping element	**TORX PLUS®扳手** TORX PLUS® Wrench
R/L228...	**01.60.12**	**T20PQ**

.3





硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

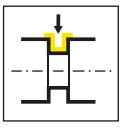
产品型号 Part number	w	r	t_{max}	s	$D_{a\,min}$	HIS	TN35
R231.4030.32	3	0.2	8	3.8	40	23104R	▲
R231.4040.32	4	0.2	8	3.8	40	23104R	▲
R231.4050.34	5	0.4	8	5.8	40	23105R	▲
L231.4030.32	3	0.2	8	3.8	40	23104L	▲
L231.4040.32	4	0.2	8	3.8	40	23104L	▲
L231.4050.34	5	0.4	8	5.8	40	23105L	▲
N231.4060.34	6	0.4	8	5.8	40	23105N	▲
N231.4070.36	7	0.6	8	7.8	40	23107N	Δ
N231.4080.36	8	0.6	8	7.8	40	23107N	▲
N231.4090.38	9	0.8	8	9.8	40	23109N	Δ
N231.4100.38	10	0.8	8	9.8	40	23109N	Δ

P	●
M	●
K	●
N	●
S	●
H	-

槽外径Ø<40mm时可定制非标产品
Outer-Ø of groove < 40 mm upon request.

端面切槽
Face Grooving

刀杆
Toolholder
360/369



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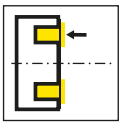
可转位刀片
Indexable insert
312



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T

312

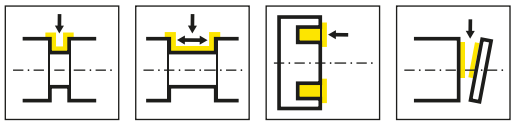
T

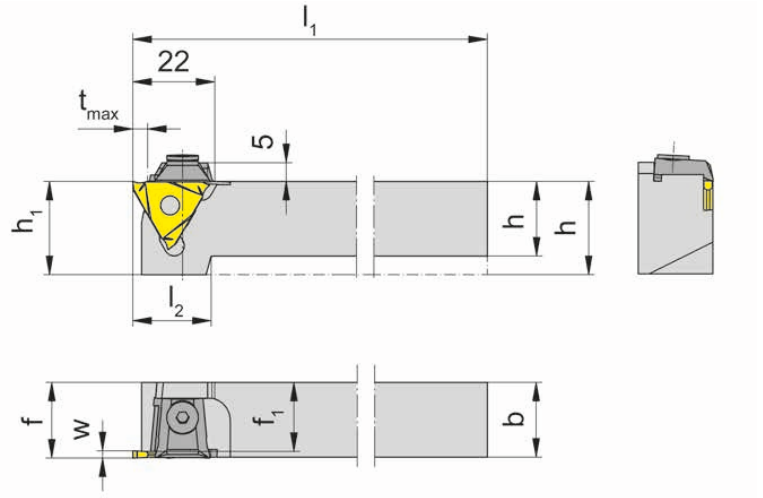
刀杆和刀片

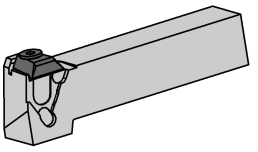
槽宽1.5 - 5 mm

Toolholder and Inserts

Width of groove 1,5 - 5 mm







R=右手型-如图
R = right hand version shown

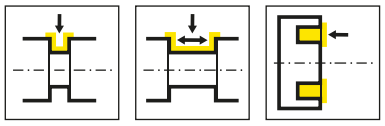
L=左手型
L = left hand version

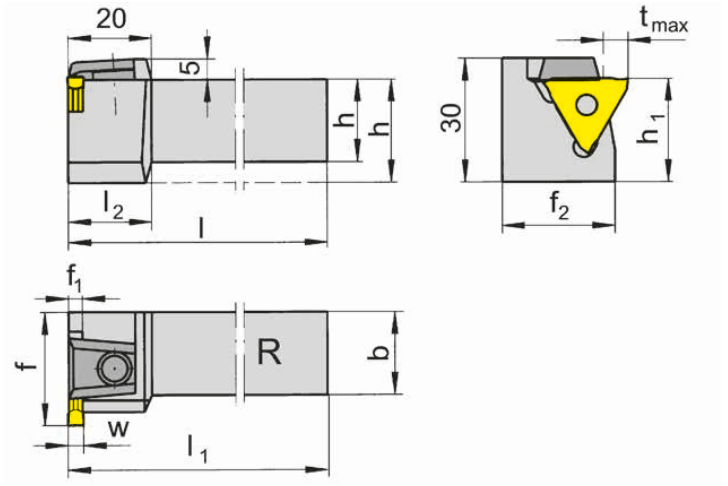
产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R360.1212.02	12	12	100	24	25	9.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
R360.1616.02	16	16	125	22	25	13.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
R360.2020.02	20	20	125	21	25	17.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
R360.2525.02	25	25	150	-	25	22.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
R360.3232.02	32	32	170	-	32	29.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
R360.1212.03	12	12	100	24	25	8.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
R360.1616.03	16	16	125	22	25	12.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
R360.2020.03	20	20	125	21	25	16.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
R360.2525.03	25	25	150	-	25	21.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
R360.3232.03	32	32	170	-	32	28.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
L360.1212.02	12	12	100	24	25	9.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
L360.1616.02	16	16	125	22	25	13.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
L360.2020.02	20	20	125	21	25	17.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
L360.2525.02	25	25	150	-	25	22.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
L360.3232.02	32	32	170	-	32	29.5	f_1+w-a_1	6	1.9-2.9	31202N • 31202R • 31202L
L360.1212.03	12	12	100	24	25	8.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
L360.1616.03	16	16	125	22	25	12.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
L360.2020.03	20	20	125	21	25	16.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
L360.2525.03	25	25	150	-	25	21.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L
L360.3232.03	32	32	170	-	32	28.5	f_1+w-a_1	6	2.9-3.9	31203N • 31203R • 31203L

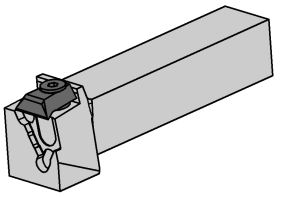
w,a1见刀片
w, a1 see indexable inserts

配件
Spare Parts

刀杆 Toolholder	压板 Clamping element
R/L360.1...	**11.3**
R/L360...	**16.4**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

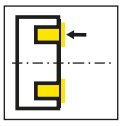
产品型号 Part number	h	b	l	l_1	l_2	h_1	f	t_{max}	f_1	f_2	夹持范围 Clamping range	HWS
R369.2020.02	20	20	125	l-f_1+w-a_1	20	25	27	6	2.5	23.5	1.9-2.9	31202N • 31202R • 31202L
R369.2525.02	25	25	150	l-f_1+w-a_1	-	25	32	6	2.5	28.5	1.9-2.9	31202N • 31202R • 31202L
R369.2020.03	20	20	125	l-f_1+w-a_1	20	25	27	6	3.5	23.5	2.9-3.9	31203N • 31203R • 31203L
R369.2525.03	25	25	150	l-f_1+w-a_1	-	25	32	6	3.5	28.5	2.9-3.9	31203N • 31203R • 31203L
L369.2020.02	20	20	125	l-f_1+w-a_1	20	25	27	6	2.5	23.5	1.9-2.9	31202N • 31202R • 31202L
L369.2525.02	25	25	150	l-f_1+w-a_1	-	25	32	6	2.5	28.5	1.9-2.9	31202N • 31202R • 31202L
L369.2020.03	20	20	125	l-f_1+w-a_1	20	25	27	6	3.5	23.5	2.9-3.9	31203N • 31203R • 31203L
L369.2525.03	25	25	150	l-f_1+w-a_1	-	25	32	6	3.5	28.5	2.9-3.9	31203N • 31203R • 31203L

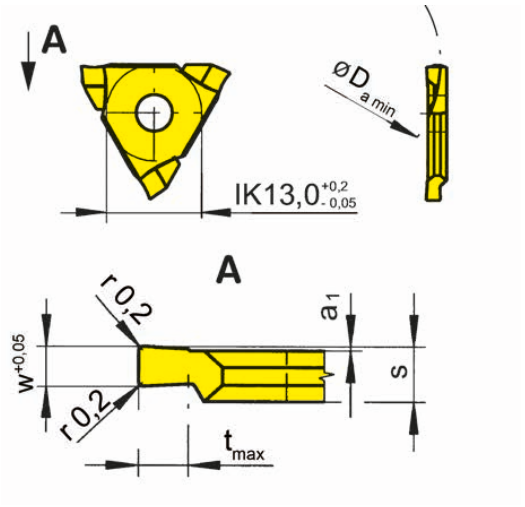
w,a1见刀片
w, a1 see indexable inserts

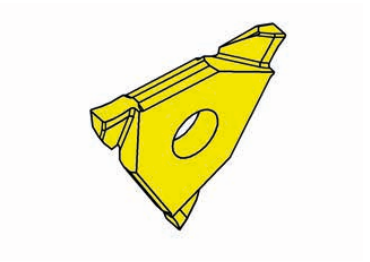
T

配件
Spare Parts

刀杆 Toolholder	压板 Clamping element
R/L369...	**16.4**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

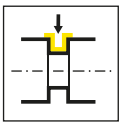
▲ 库存
on stock

Δ 4周
4 weeks

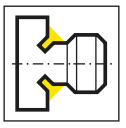
产品型号 Part number	w	t_{max}	a_1	s	$D_{a\,min}$	HIS	MG12	EG55	TN35
R312.2015.02	1.5	2	0.2	2.7	20	31202N • 31202R • 31202R		▲	▲
R312.3020.02	2	3	0.2	2.7	30	31202N • 31202R • 31202R		▲	▲
R312.3030.02	3	3	0.2	3.7	30	31203N • 31203R • 31203R		▲	▲
R312.3050.02	5	3.5	0.2	5.3	30	31204N • 31204R • 31204R		Δ	
L312.2015.02	1.5	2	0.2	2.7	20	31202N • 31202R • 31202L		▲	▲
L312.3020.02	2	3	0.2	2.7	30	31202N • 31202R • 31202L	Δ	▲	▲
L312.3030.02	3	3	0.2	3.7	30	31203N • 31203R • 31203L		▲	▲
L312.3050.02	5	3.5	0.2	5.3	30	31204N • 31204R • 31204L		Δ	
							P	o	●	●
							M	-	o	●
							K	-	o	●
							N	-	-	●
							S	-	-	●
							H	-	-	-

端面切槽
Face Grooving

刀杆
Toolholder
356/357

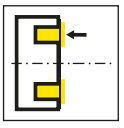


页/Page
598-599



页/Page
600

可转位刀片
Indexable insert
A315



页/Page
601-603

技术信息
Technical Instructions

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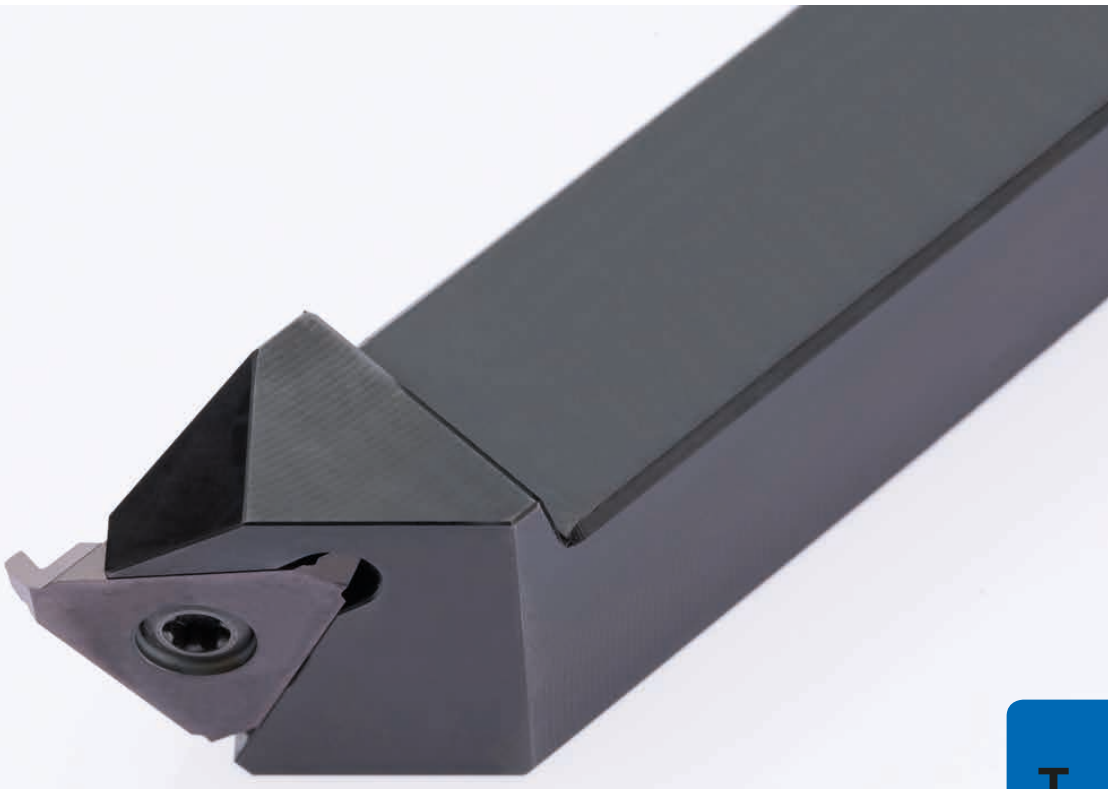
T

A315



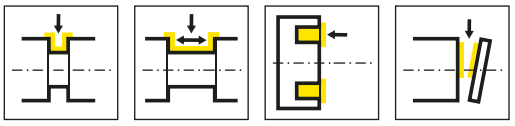
T

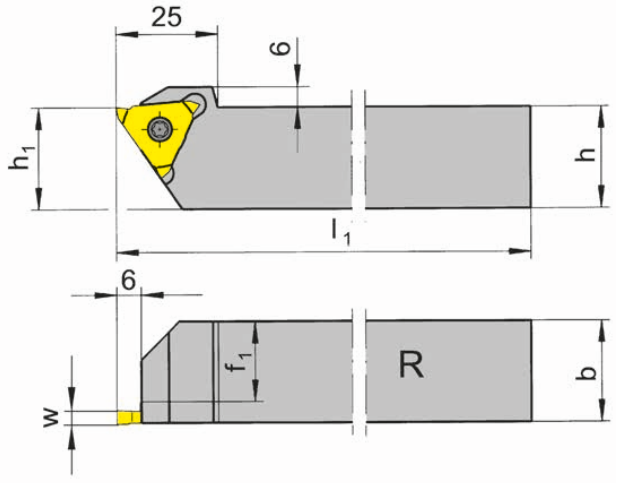
刀杆和刀片

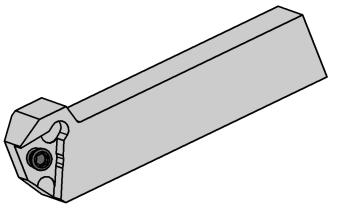
槽宽1.5 - 3 mm

Toolholder and Inserts

Width of groove 1,5 - 3 mm







R=右手型-如图
R = right hand version shown

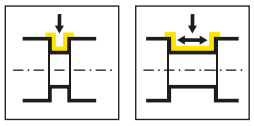
L=左手型
L = left hand version

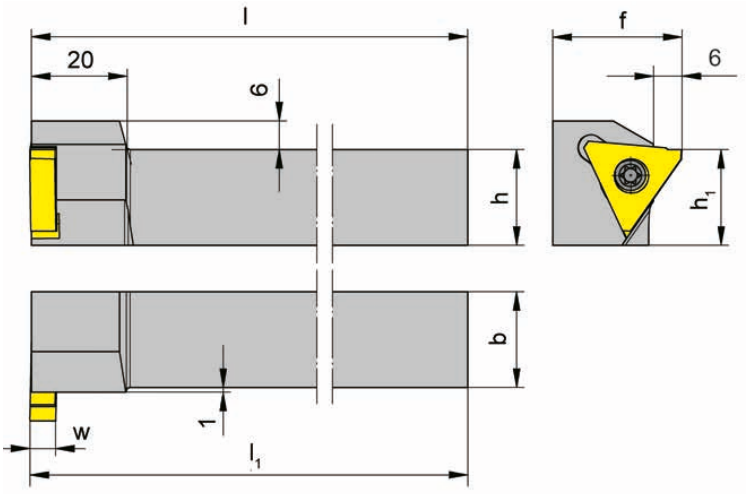
产品型号 Part number	h	b	l_1	h_1	f_1	HWS
R356.1616.03	16	16	125	20	13	31503R
R356.2020.03	20	20	125	20	17	31503R
R356.2525.03	25	25	150	25	22	31503R
R356.3232.03	32	32	170	32	29	31503R
R356.1616.05	16	16	125	20	10.8	31505R
R356.2020.05	20	20	125	20	14.8	31505R
R356.2525.05	25	25	150	25	19.8	31505R
R356.3232.05	32	32	170	32	26.8	31505R
R356.2525.07	25	25	150	25	18	31507R
R356.2020.07	20	20	125	20	13	31507R
R356.3232.07	32	32	170	32	25	31507R
L356.1616.03	16	16	125	20	13	31503L
L356.2020.03	20	20	125	20	17	31503L
L356.2525.03	25	25	150	25	22	31503L
L356.3232.03	32	32	170	32	29	31503L
L356.1616.05	16	16	125	20	10.8	31505L
L356.2020.05	20	20	125	20	14.8	31505L
L356.2525.05	25	25	150	25	19.8	31505L
L356.3232.05	32	32	170	32	26.8	31505L
L356.2525.07	25	25	150	25	18	31507L
L356.2020.07	20	20	125	20	13	31507L
L356.3232.07	32	32	170	32	25	31507L

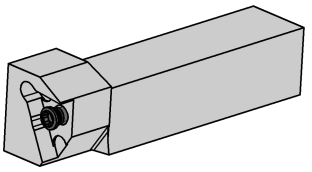
w见刀片
w see indexable inserts

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/L356...	**5.12T20P**	**T20PQ**
R/L356...07	**5.15T20P**	**T20PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

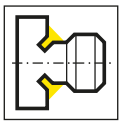
产品型号 Part number	h	b	l_1	l	h_1	f	HWS
R357.2020.05	20	20	125.3	125	20	27	31505L
R357.2525.05	25	25	150.3	150	25	32	31505L
L357.2020.05	20	20	125.3	125	20	27	31505R
L357.2525.05	25	25	150.3	150	25	32	31505R

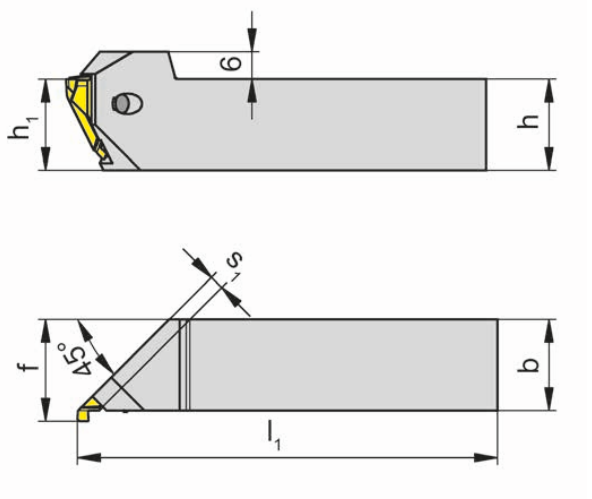
w见刀片
w see indexable inserts

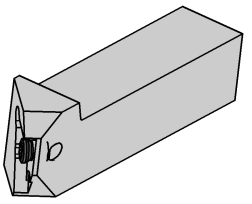
T

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/L357...	**5.12T20P**	**T20PQ**



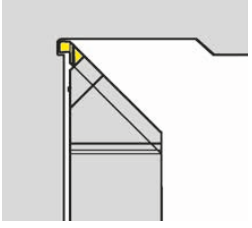




R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

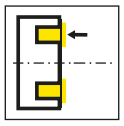
产品型号 Part number	h	b	l_1	h_1	f	s_1	HWS
R356.1616.45.03	16	16	125	16	18.3	3.25	31503L
R356.2020.45.03	20	20	125	20	22.3	3.25	31503L
R356.2525.45.03	25	25	150	25	27.3	3.25	31503L
L356.1616.45.03	16	16	125	16	18.3	3.25	31503R
L356.2020.45.03	20	20	125	20	22.3	3.25	31503R
L356.2525.45.03	25	25	150	25	27.3	3.25	31503R

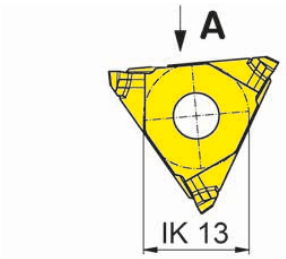


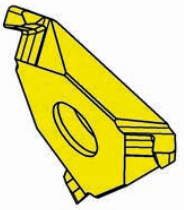
配件
Spare Parts

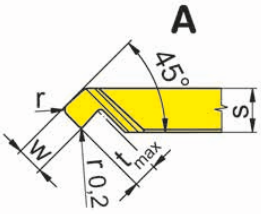
刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/L356...	**5F.08T20P**	**T20PQ**

A315









L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

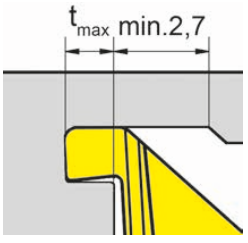
▲ 库存
on stock

Δ 4周
4 weeks

硬质合金牌号
Carbide grades

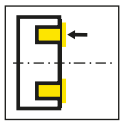
产品型号 Part number	w	r	t_{max}	$D_{a\,min}$	s	HIS	TH35	TN35
RA315.0815.45.04L	1.5	0.4	1.6	8	3.25	31503R	▲	▲
RA315.1220.45.05L	2	0.5	1.8	12	3.25	31503R	▲	▲
RA315.2024.45.06L	2.4	0.6	2	20	3.25	31503R	Δ	▲
LA315.0815.45.04R	1.5	0.4	1.6	8	3.25	31503L	▲	▲
LA315.1220.45.05R	2	0.5	1.8	12	3.25	31503L	▲	▲
LA315.2024.45.06R	2.4	0.6	2	20	3.25	31503L	▲	▲
							P ●	●
							M ●	●
							K ●	●
							N ●	●
							S ●	●
							H -	-

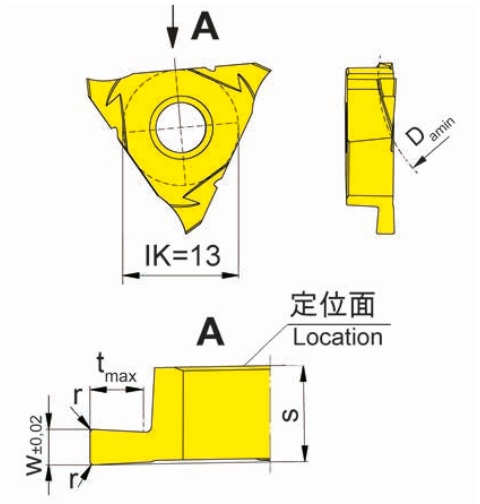
在轴向加工前必须先完成退刀槽。
The undercut must be placed BEFORE the axial machining!

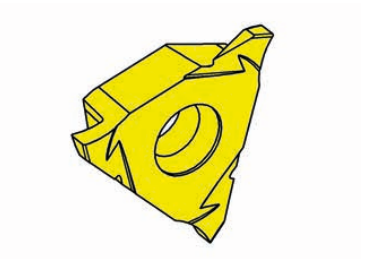


T

A315







R=右手型-如图
R = right hand version shown

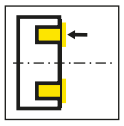
L=左手型
L = left hand version

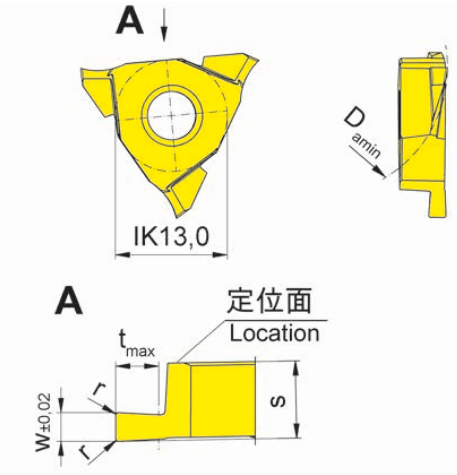
硬质合金牌号
Carbide grades

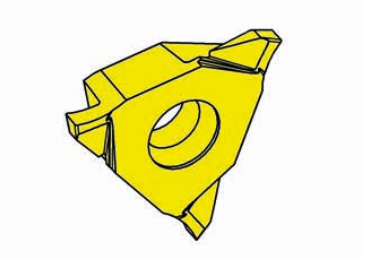
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	t_{max}	$D_{a\ min}$	s	HIS	TH35	TN35
RA315.2015.02R	1.5	0.2	2	20	5.4	31505R	Δ	
RA315.2015.02L	1.5	0.2	2	20	5.4	31505R	▲	
RA315.3020.02R	2	0.2	3	30	5.4	31505R	▲	
RA315.3020.02L	2	0.2	3	30	5.4	31505R	▲	
RA315.3030.02R	3	0.2	3	30	5.4	31505R	Δ	
RA315.3030.02L	3	0.2	3	30	5.4	31505R	▲	
LA315.2015.02R	1.5	0.2	2	20	5.4	31505L	▲	
LA315.2015.02L	1.5	0.2	2	20	5.4	31505L	Δ	
LA315.3020.02R	2	0.2	3	30	5.4	31505L	▲	Δ
LA315.3020.02L	2	0.2	3	30	5.4	31505L	Δ	
LA315.3030.02R	3	0.2	3	30	5.4	31505L	▲	
LA315.3030.02L	3	0.2	3	30	5.4	31505L	Δ	
							P ●	●
							M ●	●
							K ●	●
							N ●	●
							S ●	●
							H -	-







R=右手型-如图
R = right hand version shown

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	t_{max}	$D_{a\ min}$	s	HIS	TH35	TN35
RA315.2015.02R	1.5	0.2	2	20	5.4	31505R	Δ	
RA315.3020.02R	2	0.2	3	30	5.4	31505R	▲	
RA315.3030.02R	3	0.2	3	30	5.4	31505R	Δ	
LA315.2015.02R	1.5	0.2	2	20	5.4	31505L	▲	
LA315.3020.02R	2	0.2	3	30	5.4	31505L	▲	Δ
LA315.3030.02R	3	0.2	3	30	5.4	31505L	▲	
							P ●	●
							M ●	●
							K ●	●
							N ●	●
							S ●	●
							H -	-

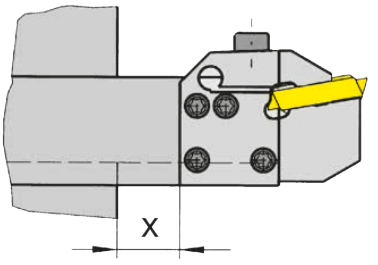
T

刀夹的选择
选择适合加工的端面槽大径的刀夹

Cassette Selection
Select the cassette to suit the major diameter of the face groove to be cut.

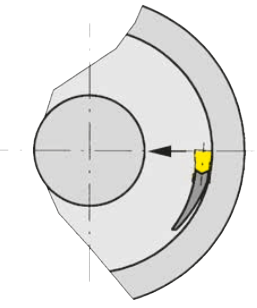
稳定设置
刀具应该使用允许的最小悬伸以达到最大的稳定性.

Stable Setup
The tool should be set to give the minimum overhang to achieve maximum stability.



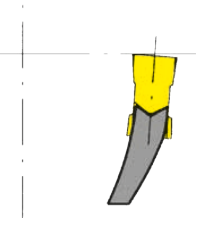
实践
当车端面槽时加工方向是由大径Ø-向小径 Ø.

Working Practice
When turning to open up the face groove the cut should be taken from the major Ø towards the minor Ø.



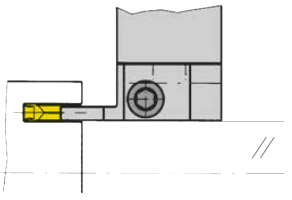
刀具设置
刀具应设定至中心高,确保正确的切削和支撑间隙.

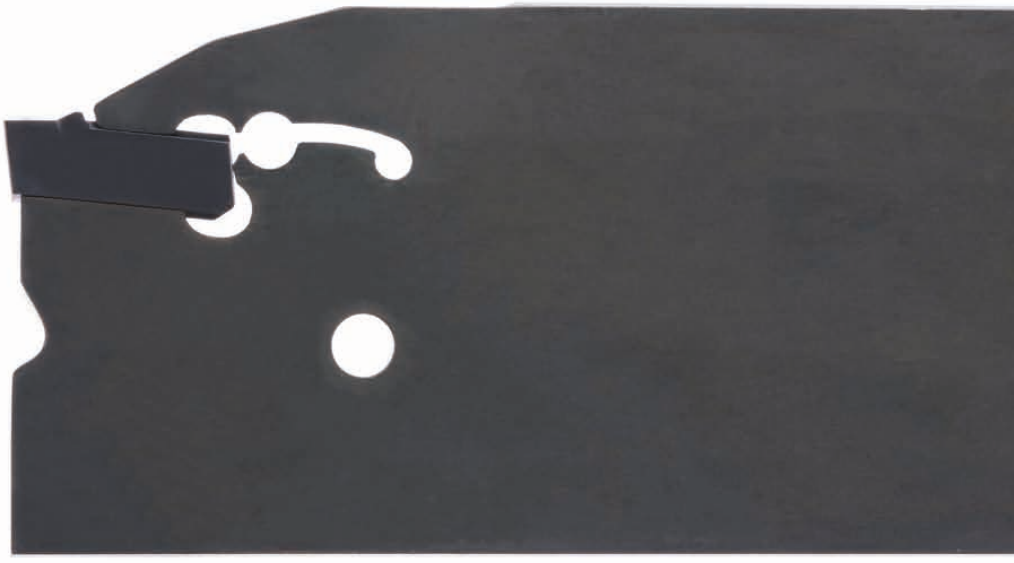
Tool Setup
The tool should be set to centre height to ensure correct cutting and support clerance.



刀具必须平行于工件旋转轴.

The tool must be set parallel to the rotation axis of the workpiece.





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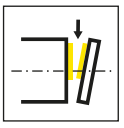
S224	642
229	660
264	670
274	680
312	696
316	708

刀杆
Toolholder
H100



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刀片
Insert
S100

.E

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技术信息
Technical Instructions

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U

100

U

刀杆和刀片

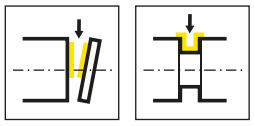
槽宽2 - 6 mm
槽深可达55 mm

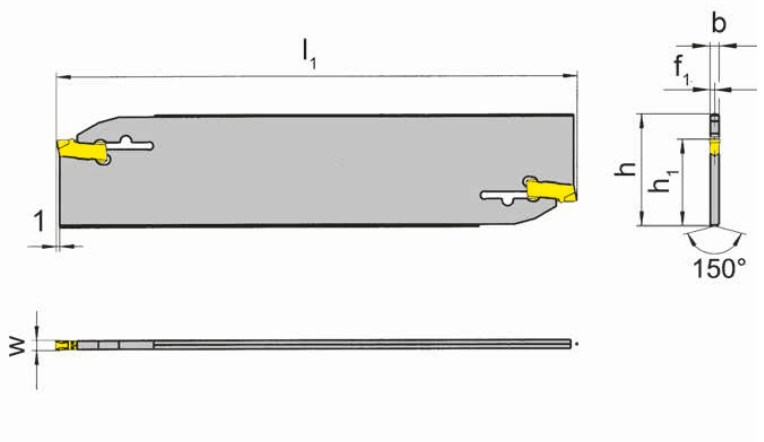
Toolholder and Inserts

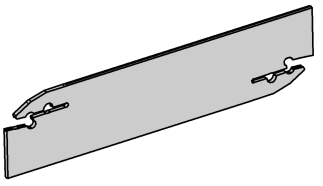
Width of groove 2 - 6 mm
Depth of groove up to 55 mm

刀杆
Toolholder

H100







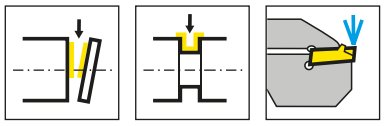
产品型号 Part number	h	b	l_1	h_1	f_1	t_{max}	HWS
H100.2601.01	26	1.5	110	21.4	0.75	25	100018
H100.2602.02	26	1.9	110	21.4	0.95	37.5	100028
H100.2603.03	26	2.3	110	21.4	1.15	37.5	100038
H100.2604.04	26	3.1	110	21.8	1.65	40	100048
H100.3201.01	32	1.5	150	24.8	0.75	25	100018
H100.3202.02	32	1.9	150	24.8	0.95	50	100028
H100.3203.03	32	2.3	150	24.8	1.15	50	100038
H100.3204.04	32	3.1	160	24.8	1.65	55	100048
H100.3205.05	32	3.9	160	24.8	2	55	100058

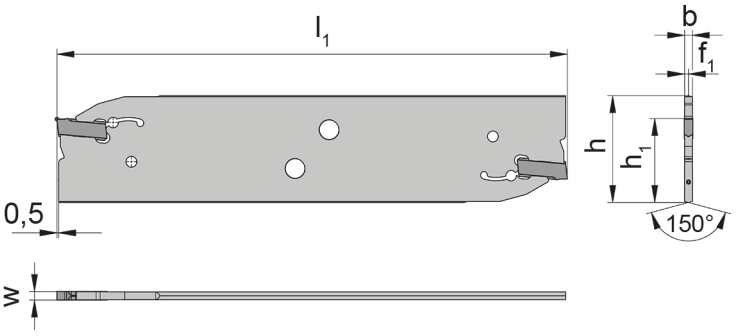
w见刀片
w see inserts

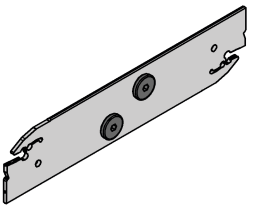
扳手P39L不包含在刀板中，需单独订购！
Wrench P39L is not combined with toolholder - separate order required!

U

H100







产品型号 Part number	h	b	l_1	h_1	f_1	t_{max}	HWS
H100.2602.8.02.IK	26	1.9	110	21.4	0.95	35	100029 • 100028
H100.2603.8.03.IK	26	2.3	110	21.4	1.15	35	100039 • 100038
H100.2604.8.04.IK	26	3.1	110	21.4	1.55	35	100049 • 100048
H100.3202.8.02.IK	32	1.9	150	24.8	0.95	55	100029 • 100028
H100.3203.8.03.IK	32	2.3	150	24.8	1.15	60	100039 • 100038
H100.3204.8.04.IK	32	3.1	150	24.8	1.55	60	100049 • 100048

P101.02扳手不包括在铣刀中-需另行订购!
Wrench P101.02 is not combined with slotting cutter - separate order required!

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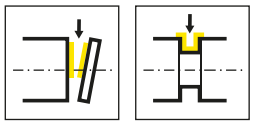
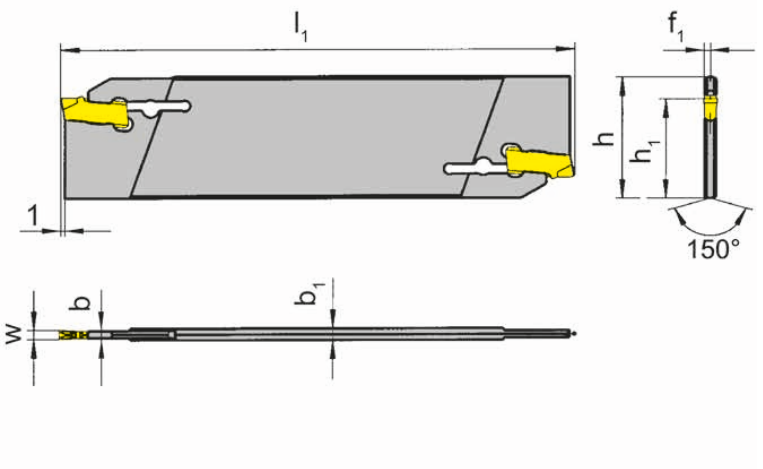
配件
Spare Parts

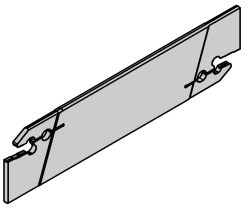
刀杆 Toolholder	冷却塞 Coolant plug
H100...	**020.IK01.5732**

刀杆
Toolholder

H100







产品型号 Part number	h	b	l_1	h_1	f_1	t_{max}	b_1	HWS
H100.2603.01	26	1.5	110	21.4	1.15	21	2.3	100018
H100.2603.02	26	1.9	110	21.4	1.15	21	2.3	100028
H100.3203.01	32	1.5	150	24.8	1.15	25	2.3	100018
H100.3203.02	32	1.9	150	24.8	1.15	25	2.3	100028

扳手P39L不包含在刀板中，需单独订购！
Wrench P39L is not combined with toolholder - separate order required!

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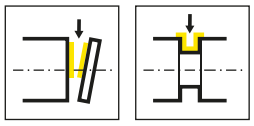
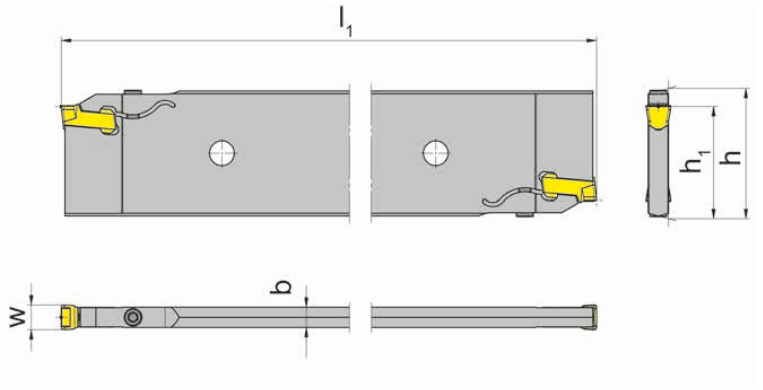
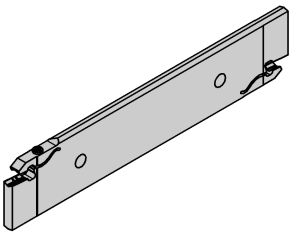
H100







产品型号 Part number	h	b	l_1	h_1	HWS
H100.5208.26.08	52.6	7.4	260	45	100088
H100.5210.26.10	52.6	8.2	260	45	100108
H100.5212.26.12	52.6	10.4	260	45	100128

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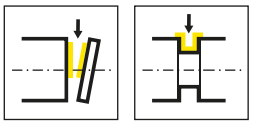
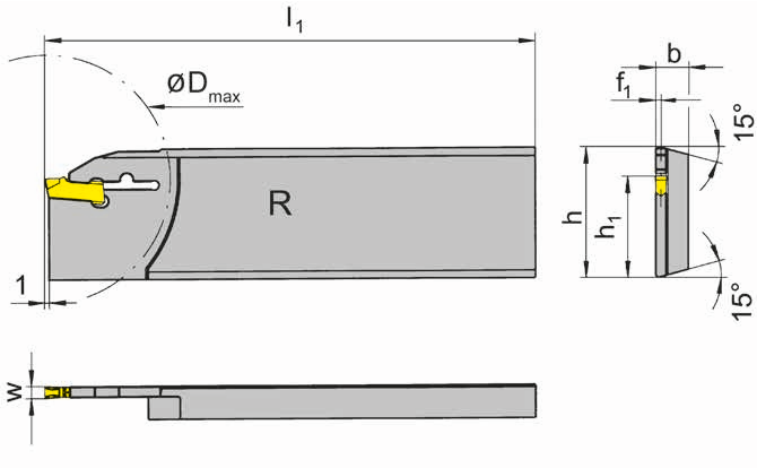
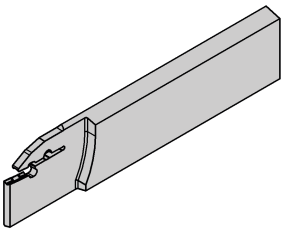
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
H100...	**5.13T20P**	**T20PQ**

H100







R=右手型-如图
R = right hand version shown

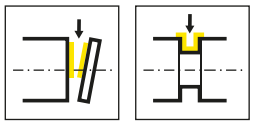
L=左手型
L = left hand version

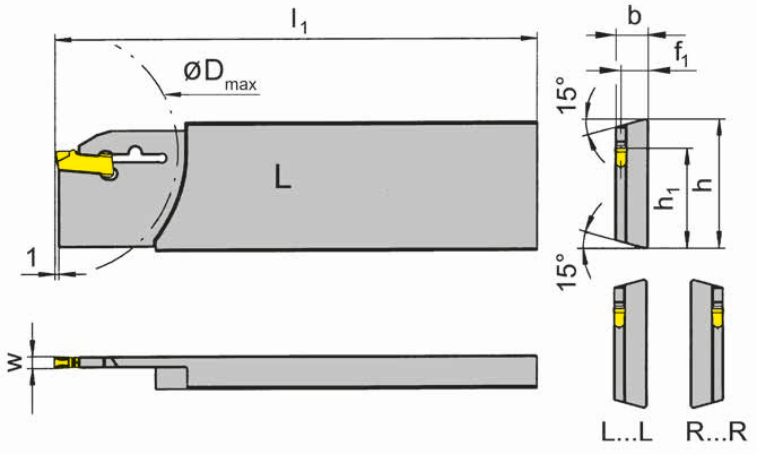
产品型号 Part number	h	b	l_1	h_1	f_1	t_{max}	D_{max}	HWS
RH100.2608.31	26	7.9	110	21.4	0.75	21	42	100018
RH100.2608.32	26	7.9	110	21.4	0.95	25	50	100028
RH100.2608.33	26	7.9	110	21.4	1.15	25	50	100038
RH100.3208.31	32	7.9	112	24.8	0.75	25	50	100018
RH100.3208.32	32	7.9	112	24.8	0.95	34	68	100028
RH100.3208.33	32	7.9	112	24.8	1.15	34	68	100038
RH100.3208.34	32	7.9	112	24.8	1.55	34	68	100048
LH100.2608.31	26	7.9	110	21.4	0.75	21	42	100018
LH100.2608.32	26	7.9	110	21.4	0.95	25	50	100028
LH100.2608.33	26	7.9	110	21.4	1.15	25	50	100038
LH100.2608.34	26	7.9	110	21.4	1.55	25	50	100048
LH100.3208.31	32	7.9	112	24.8	0.75	25	50	100018
LH100.3208.32	32	7.9	112	24.8	0.95	34	68	100028
LH100.3208.33	32	7.9	112	24.8	1.15	34	68	100038
LH100.3208.34	32	7.9	112	24.8	1.55	34	68	100048

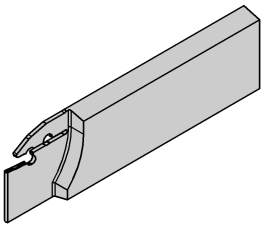
w见刀片
w see inserts

扳手P39L不包含在刀板中，需单独订购！
Wrench P39L is not combined with toolholder - separate order required!

U







L=左手型-如图
L = left hand version shown

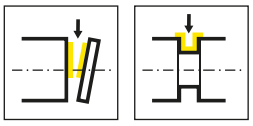
R=右手型
R = right hand version

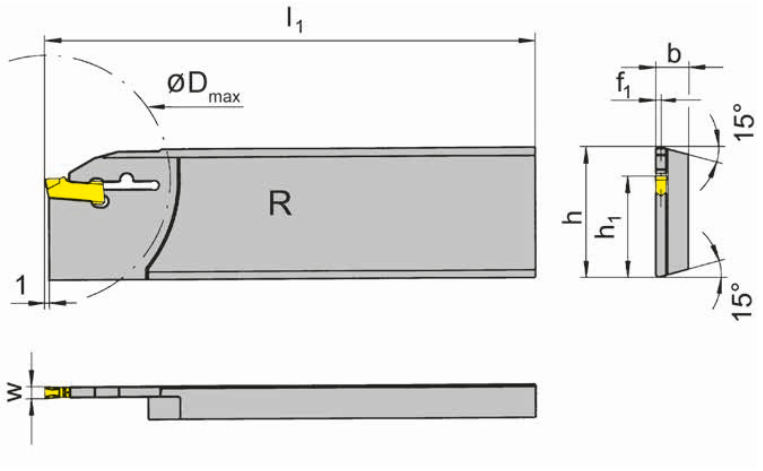
产品型号 Part number	h	b	l_1	h_1	f_1	t_{max}	D_{max}	HWS
RH100.2608.31R	26	7.9	110	21.4	7.15	21	42	100018
RH100.2608.32R	26	7.9	110	21.4	6.95	25	50	100028
RH100.2608.33R	26	7.9	110	21.4	6.75	25	50	100038
RH100.2608.34R	26	7.9	110	21.4	6.35	25	50	100048
RH100.3208.31R	32	7.9	112	24.8	7.15	25	50	100018
RH100.3208.32R	32	7.9	112	24.8	6.95	34	68	100028
RH100.3208.33R	32	7.9	112	24.8	6.75	34	68	100038
RH100.3208.34R	32	7.9	112	24.8	6.35	34	68	100048
LH100.2608.31L	26	7.9	110	21.4	7.15	21	42	100018
LH100.2608.32L	26	7.9	110	21.4	6.95	25	50	100028
LH100.2608.33L	26	7.9	110	21.4	6.75	25	50	100038
LH100.2608.34L	26	7.9	110	21.4	6.35	25	50	100048
LH100.3208.31L	32	7.9	112	24.8	7.15	25	50	100018
LH100.3208.32L	32	7.9	112	24.8	6.95	34	68	100028
LH100.3208.33L	32	7.9	112	24.8	6.75	34	68	100038
LH100.3208.34L	32	7.9	112	24.8	6.35	34	68	100048

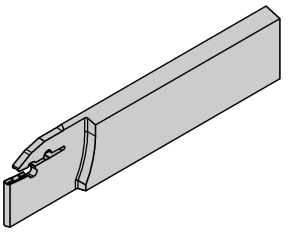
w见刀片
w see inserts

扳手P39L不包含在刀板中，需单独订购！
Wrench P39L is not combined with toolholder - separate order required!

H100







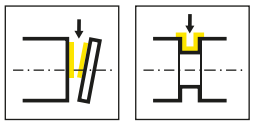
R=右手型
R = right hand version

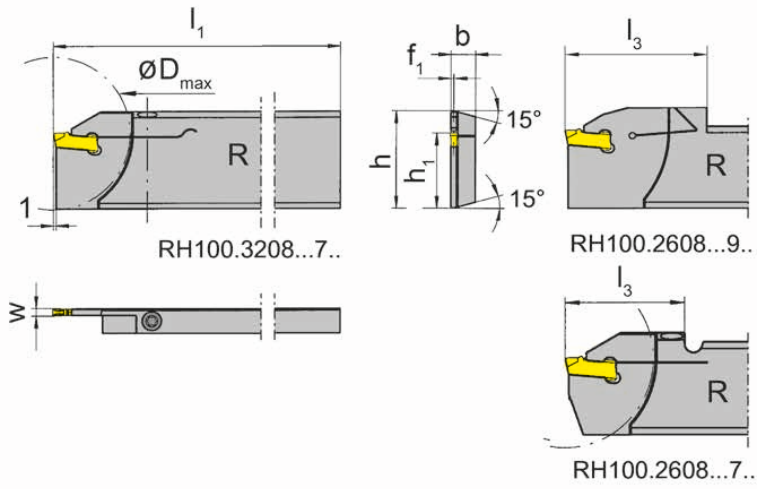
产品型号 Part number	h	b	l_1	h_1	f_1	t_{max}	D_{max}	HWS
RH100.3208.2.44	32	7.9	160	24.8	1.55	41	80	100048
RH100.3208.44	32	7.9	130	24.8	1.55	41	80	100048

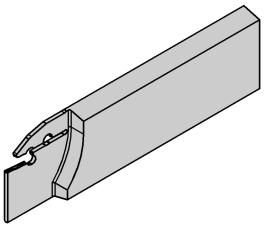
w见刀片
w see inserts

扳手P39L不包含在刀板中，需单独订购！
Wrench P39L is not combined with toolholder - separate order required!

U







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

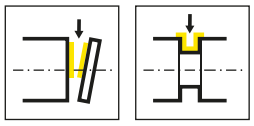
产品型号 Part number	h	b	l_1	h_1	f_1	l_3	t_{max}	D_{max}	HWS
RH100.2608.71	26	7.9	110	21.4	0.75	33.8	25	50	100018
RH100.2608.72	26	7.9	110	21.4	0.95	33.8	25	50	100028
RH100.2608.93	26	8	112	21.4	1.15	40	25	50	100038
RH100.3208.71	32	7.9	112	24.8	0.75	33.8	25	50	100018
RH100.3208.72	32	7.9	112	24.8	0.95	33.8	25	50	100028
RH100.3208.93	32	8	112	24.8	1.15	40	32.5	65	100038
LH100.2608.71	26	7.9	110	21.4	0.75	33.8	25	50	100018
LH100.2608.72	26	7.9	110	21.4	0.95	33.8	25	50	100028
LH100.2608.93	26	8	112	21.4	1.15	40	25	50	100038
LH100.3208.71	32	7.9	112	24.8	0.75	33.8	25	50	100018
LH100.3208.72	32	7.9	112	24.8	0.95	33.8	25	50	100028
LH100.3208.93	32	8	112	24.8	1.15	40	32.5	65	100038

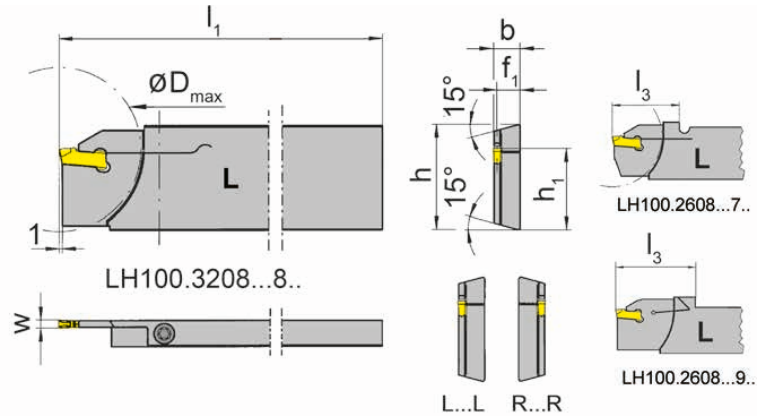
w见刀片
w see inserts

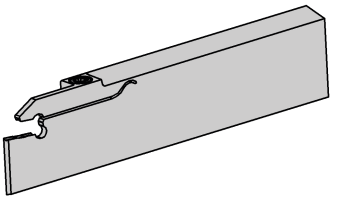
U

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LH100...	**4.15T15P**	**T15PQ**
R/LH100...93	**030.0413.T15P**	**T15PQ**







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

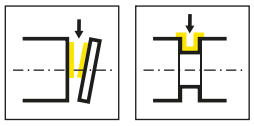
产品型号 Part number	h	b	l_1	h_1	f_1	l_3	t_{max}	D_{max}	HWS
RH100.2608.71R	26	7.9	110	21.4	7.15	33.8	25	50	100018
RH100.2608.72R	26	7.9	110	21.4	6.95	33.8	25	50	100028
RH100.2608.93R	26	8	115	21.4	6.85	40	25	50	100038
RH100.3208.71R	32	7.9	112	24.8	7.15	33.8	25	50	100018
RH100.3208.72R	32	7.9	112	24.8	6.95	33.8	25	50	100028
RH100.3208.93R	32	8	115	24.8	6.85	42	32.5	65	100038
LH100.2608.71L	26	7.9	110	21.4	7.15	33.8	25	50	100018
LH100.2608.72L	26	7.9	110	21.4	6.95	33.8	25	50	100028
LH100.2608.93L	26	8	115	21.4	6.85	40	25	50	100038
LH100.3208.71L	32	7.9	112	24.8	7.15	33.8	25	50	100018
LH100.3208.72L	32	7.9	112	24.8	6.95	33.8	25	50	100028
LH100.3208.93L	32	8	115	24.8	6.85	42	32.5	65	100038

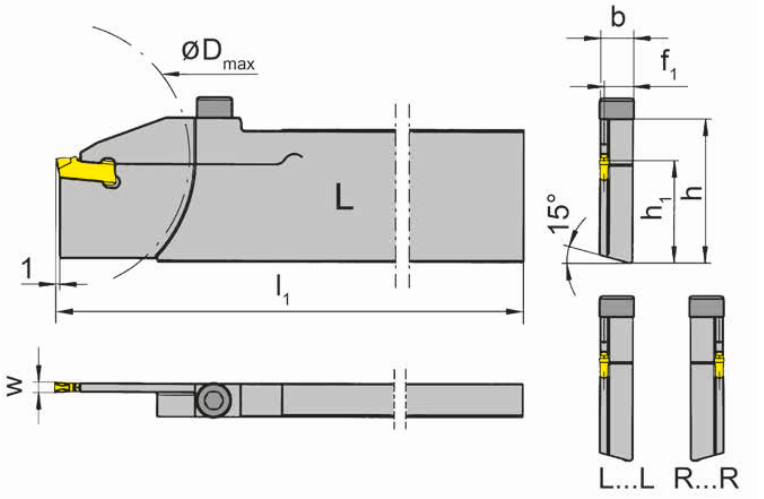
w见刀片
w see inserts

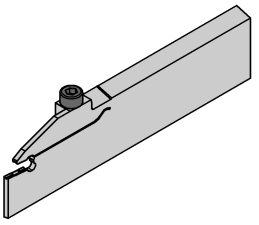
U

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LH100...	**4.15T15P**	**T15PQ**
R/LH100...93R/L	**030.0413.T15P**	**T15PQ**







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

产品型号 Part number	h	b	l_1	h_1	f_1	t_{max}	D_{max}	HWS
RH100.3280.73R	32	7.9	130	24.8	6.75	32.5	65	100038
RH100.3280.74R	32	7.9	130	24.8	6.35	32.5	65	100048
LH100.3280.73L	32	7.9	130	24.8	6.75	32.5	65	100038
LH100.3280.74L	32	7.9	130	24.8	6.35	32.5	65	100048

用于TRAUB（TNX65）机床
for machines TRAUB (TNX65)

w见刀片
w see inserts

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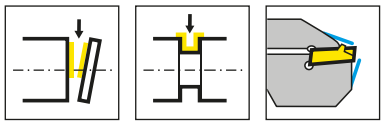

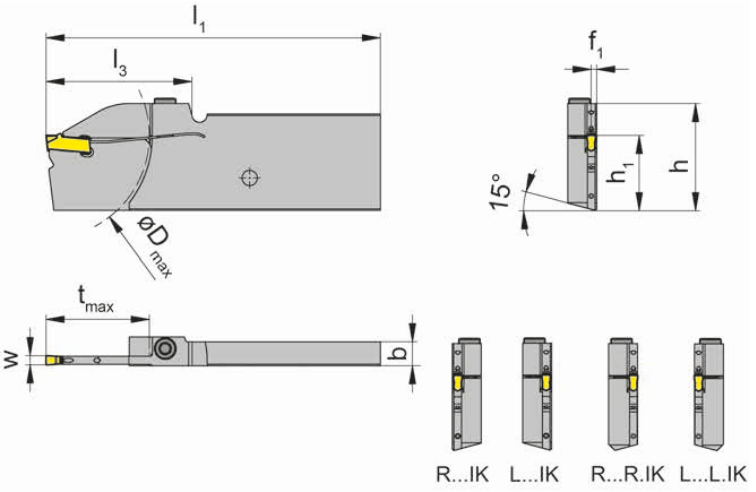

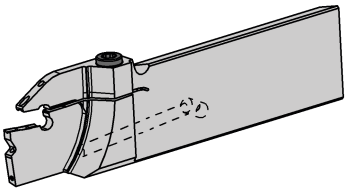

L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

产品型号 Part number	h	b	l_1	h_1	f_1	l_3	t_{max}	D_{max}	HWS
RH100.2608.26.4.73.IK	26	7.9	110	21.4	1.8	40	25	50	100038
RH100.2608.26.4.73R.IK	26	7.9	110	21.4	6.55	40	25	50	100038
RH100.3208.34.4.73.IK	32	7.9	110	24.8	1.8	48	34	68	100038
RH100.3208.34.4.73R.IK	32	7.9	110	24.8	6.55	48	34	68	100038
LH100.2608.26.4.73.IK	26	7.9	110	21.4	1.8	40	25	50	100038
LH100.2608.26.4.73L.IK	26	7.9	110	21.4	6.55	40	25	50	100038
LH100.3208.34.4.73.IK	32	7.9	110	24.8	1.8	48	34	68	100038
LH100.3208.34.4.73L.IK	32	7.9	110	24.8	6.55	48	34	68	100038

适用于TRAUB和INDEX机床
for machines TRAUB and INDEX

w见刀片
w see inserts

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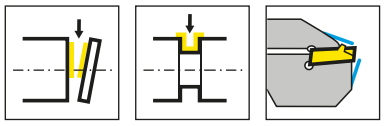
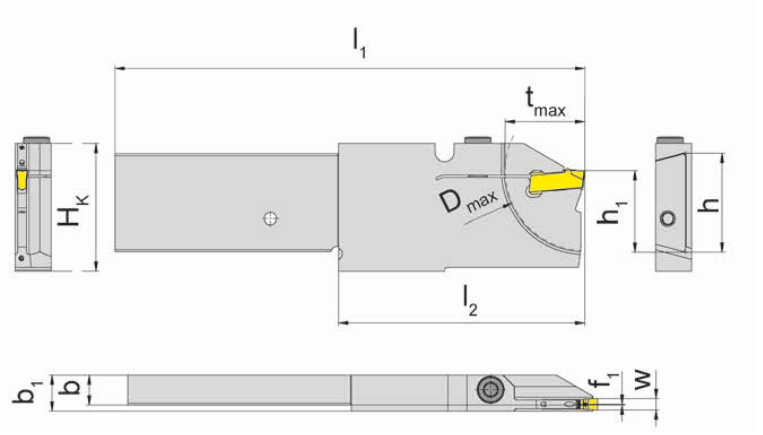
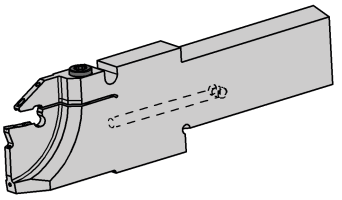
配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LH100...	**5.13T20P**	**T20PQ**







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

产品型号 Part number	H_K	h	b	l_1	h_1	f	t_{max}	l_2	D_{max}	b_1	HWS
RH100.2608.2.16.4.72.IK	33.6	26	7.9	124	21.4	0.2	16	65	32	9.5	100028
RH100.2608.2.16.4.72R.IK	33.6	26	7.9	124	21.4	6.4	16	65	32	9.5	100028
RH100.2608.2.21.4.73.IK	33.6	26	7.9	124	21.4	0.2	21	65	42	9.5	100038
RH100.2608.2.21.4.73R.IK	33.6	26	7.9	124	21.4	6.4	21	65	42	9.5	100038

适用于TRAUB和INDEX机床
for machines DMG MORI (Multisprint)

w见刀片
w see inserts

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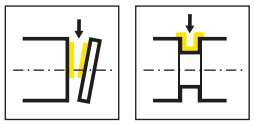
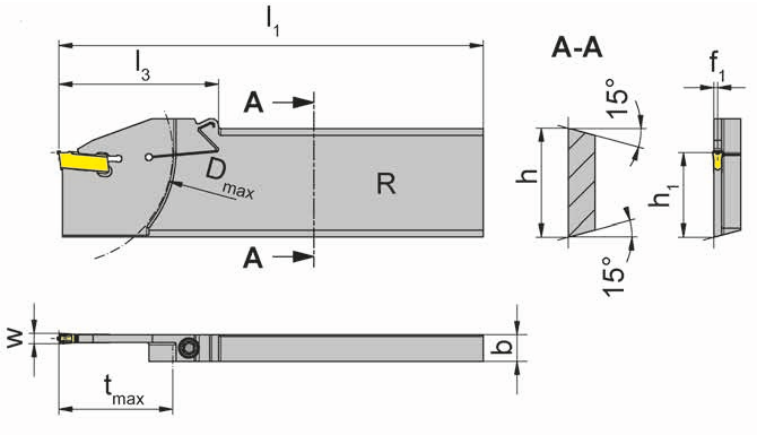
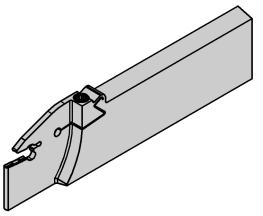
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
RH100...	**5.13T20P**	**T20PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	h_1	f_1	l_3	t_{max}	D_{max}	机床型号 Machine type	HWS
RH100.3208.83	32	8	125	24.8	1.15	47	33.5	65	TraubTNX65/42, IndexC65/	100038
LH100.3208.15.83	32	8	150	24.8	1.15	47	33.5	65	TraubTNX65/42, IndexC65/	100038
LH100.3208.83	32	8	125	24.8	1.15	47	33.5	65	TraubTNX65/42, IndexC65/	100038
LH100.3208.84	32	8	125	24.8	1.5	47	33.5	65	TraubTNX65/42, IndexC65/	100048

适用于TRAUB和INDEX机床
for machines TRAUB and INDEX

w见刀片
w see inserts

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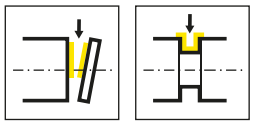
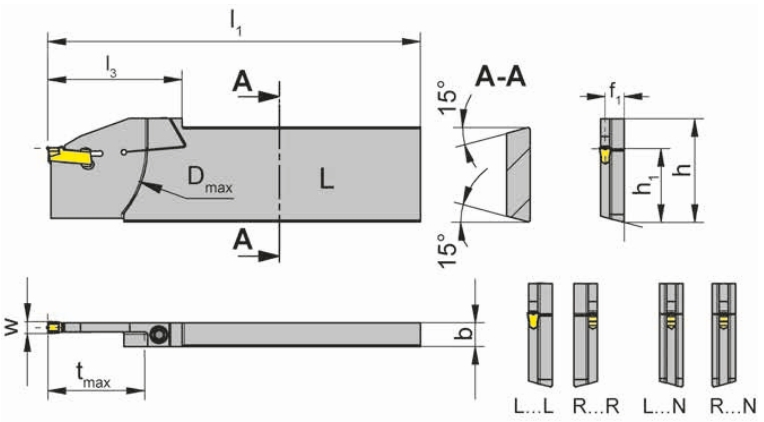
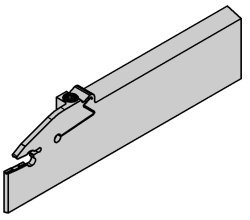
配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
LH100.3208.15.83	**030.505P.0718**	**T15PL**
R/LH100...	**030.505P.0718**	**T15PQ**







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

产品型号 Part number	h	b	l_1	h_1	f_1	l_3	t_{max}	D_{max}	机床型号 Machine type	HWS
RH100.3208.83N	32	8	125	24.8	4	47	33.5	65	TraubTNX65/42, IndexC65/	100038
RH100.3208.83R	32	8	125	24.8	6.85	47	33.5	65	TraubTNX65/42, IndexC65/	100038
RH100.3208.84N	32	8	134	24.8	4	54.5	41	80	TraubTNX80/65/	100048
RH100.3208.84R	32	8	125	24.8	6.5	47	33.5	65	TraubTNX65/42, IndexC65/	100048
LH100.3208.83L	32	8	125	24.8	6.85	47	33.5	65	TraubTNX65/42, IndexC65/	100038
LH100.3208.83N	32	8	125	24.8	4	47	33.5	65	TraubTNX65/42, IndexC65/	100038
LH100.3208.84L	32	8	125	24.8	6.5	47	33.5	65	TraubTNX65/42, IndexC65/	100048
LH100.3208.84N	32	8	134	24.8	4	54.5	41	80	TraubTNX80/65/	100048

配 REIKA机床
for machines REIKA

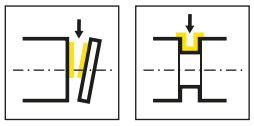
w见刀片
w see inserts

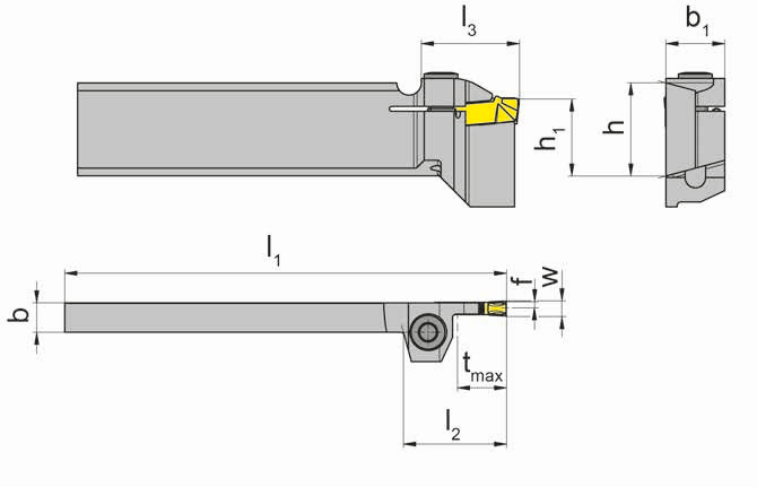
U

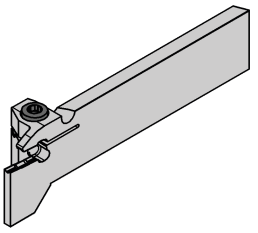
配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LH100...	**030.505P.0718**	**T15PQ**

H100







L=左手型-如图
L = left hand version shown

产品型号 Part number	h	b	l_1	h_1	l_2	f	l_3	t_{max}	b_1	HWS
LH100.1908.R.13	19	8	90	15.7	16	1.15	20	10	12	100038
LH100.3208.R.13	32	8	110	24.8	16	1.15	20	10	12	100038

配 REIKA机床
for machines REIKA

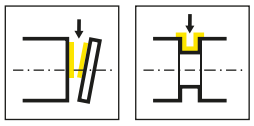
w见刀片
w see inserts

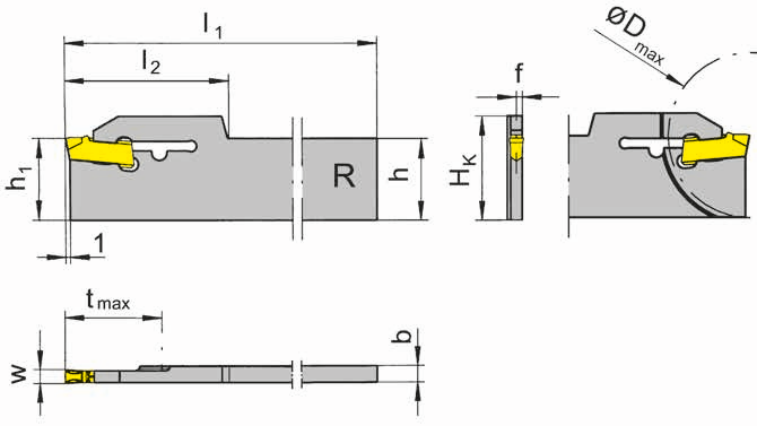
U

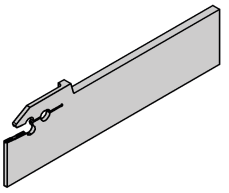
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
LH100.1908.R.13	**5.17T20P**	**T20PW**
LH100.3208.R.13	**5.17T20P**	**T20PQ**

H100







R=右手型
R = right hand version

产品型号 Part number	H_K	b	l_1	h_1	f	l_2	t_{max}	D_{max}	h	HWS
RH100.1703.21	22.1	3.2	110	17.4	0.75	32	17.5	35	17.4	100018
RH100.1703.33	22.1	3.2	110	17.4	1.15	34.5	30	60	17.4	100038
RH100.2203.21	26.9	3.2	150	22.2	0.75	32	32	50	22.1	100018
RH100.2203.33	26.9	3.2	150	22.2	1.15	34.5	38	76	22.1	100038

w见刀片
w see inserts

扳手**P39L**不包含在刀板中R/LH100...33，需单独订购！
Wrench P39L is not combined with blade R/LH100...33 - separate order required!

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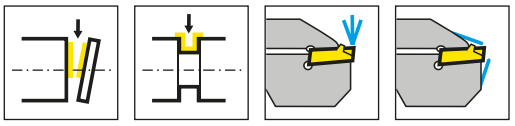
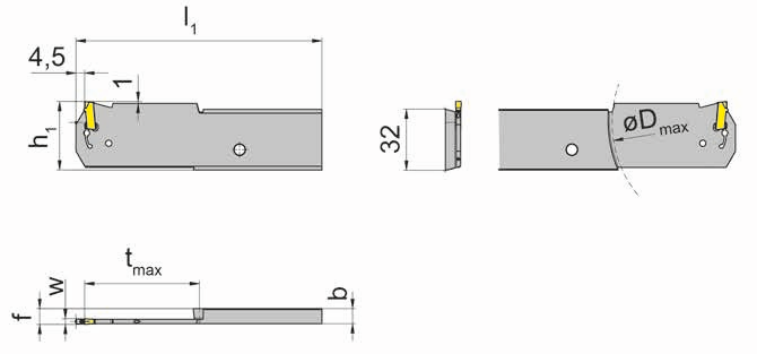
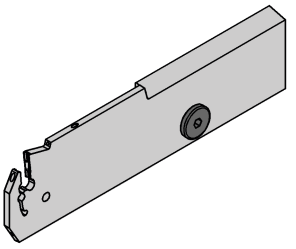
刀杆
Toolholder

H100







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	b	l_1	h_1	f	t_{max}	D_{max}	HWS
RH100.3208.Y.60.3.83.IK	7.9	128.5	36	8.25	60	120	100039 • 100038
RH100.3208.Y.60.3.84.IK	7.9	128.5	36	8.25	60	120	100049 • 100048
RH100.3208.Y.60.4.83.IK	7.9	128.5	36	8.25	60	120	100038
RH100.3208.Y.60.4.84.IK	7.9	128.5	36	8.25	60	120	100048
LH100.3208.Y.60.3.83.IK	7.9	128.5	36	8.25	60	120	100039 • 100038
LH100.3208.Y.60.3.84.IK	7.9	128.5	36	8.25	60	120	100049 • 100048
LH100.3208.Y.60.4.83.IK	7.9	128.5	36	8.25	60	120	100038
LH100.3208.Y.60.4.84.IK	7.9	128.5	36	8.25	60	120	100048

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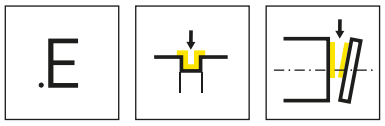
* = 冷却液供应通过刀片
* = Coolant supply through the insert

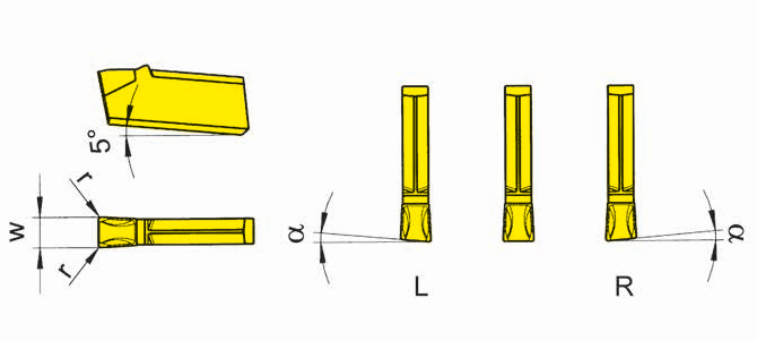
w见刀片
w see inserts

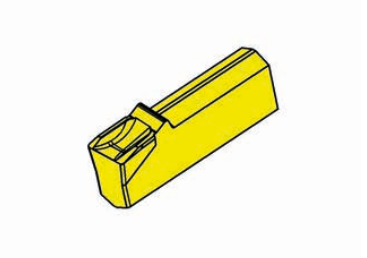
P101.02扳手不包括在铣刀中-需另行订购!
Wrench P101.02 is not combined with slotting cutter - separate order required!

配件
Spare Parts

刀杆 Toolholder	**冷却塞** Coolant plug
R/LH100...	**020.IK01.5732**







R=右手型
R = right hand version

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

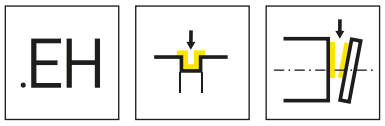
▲ 库存
on stock

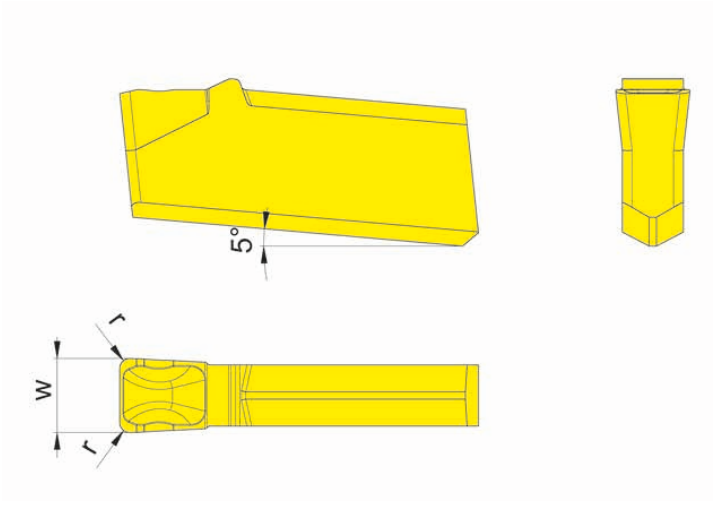
Δ 4周
4 weeks

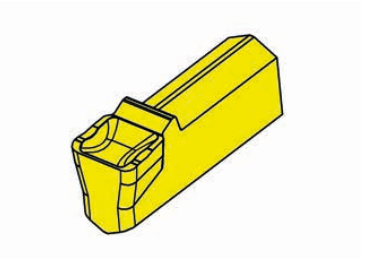
产品型号 Part number	w	r	α	HIS	ALX2	ALX3	AS63	AS66	TC92	TC93	TF42	TF43	TF45	TF46	TI22
RS100.0520.E2	2	0.2	5°	100018					Δ			▲	▲	Δ	
RS100.0525.E2	2.5	0.2	5°	100028					Δ	▲		▲	▲	Δ	Δ
RS100.0530.E2	3	0.2	5°	100038		▲			Δ	Δ	▲	▲	▲	▲	▲
RS100.0540.E2	4	0.2	5°	100048		Δ			Δ	Δ		▲	▲	Δ	Δ
LS100.0520.E2	2	0.2	5°	100018					Δ	Δ		Δ	▲	Δ	
LS100.0525.E2	2.5	0.2	5°	100028					Δ	Δ		Δ	Δ	Δ	Δ
LS100.0530.E2	3	0.2	5°	100038		▲			▲	Δ	Δ	▲	▲	▲	Δ
LS100.0540.E2	4	0.2	5°	100048		Δ			Δ	Δ		▲	▲	Δ	
S100.0200.E2	2	0.2	0°	100018		▲				Δ		▲	▲	▲	
S100.0300.E2	3	0.2	0°	100038	Δ	▲	▲	▲	▲	▲	▲	▲	▲	▲	Δ
S100.0400.E3	4	0.3	0°	100048		▲				▲		▲	▲	▲	
S100.0500.E3	5	0.3	0°	100058				Δ	Δ	▲		▲	▲	▲	Δ
P					●	●	●	●	●	●	●	●	●	●	●
M					-	-	-	o	-	-	-	-	●	o	-
K					-	-	-	●	-	-	-	-	●	●	-
N					-	-	-	●	-	-	-	-	●	●	-
S					-	-	-	o	-	-	-	-	●	o	-
H					-	-	-	-	-	-	-	-	-	-	-

U

S100







硬质合金牌号
Carbide grades

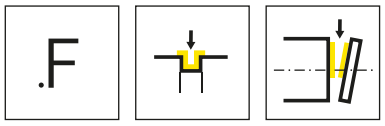
▲ 库存
on stock

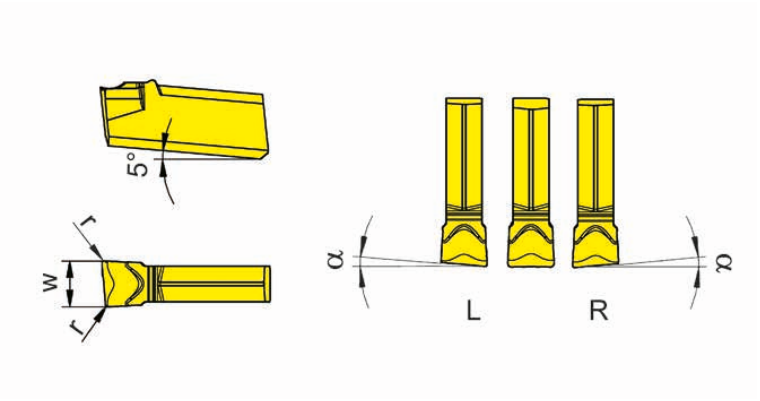
Δ 4周
4 weeks

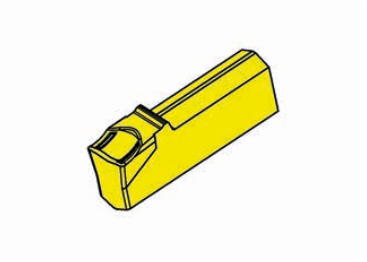
产品型号 Part number	w	r	HIS	IG6G
S100.0300.EH4	3	0.4	100038	▲
S100.0400.EH6	4	0.6	100048	▲

P	●
M	o
K	o
N	-
S	-
H	-

U







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

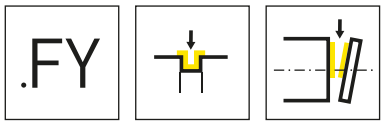
▲ 库存
on stock

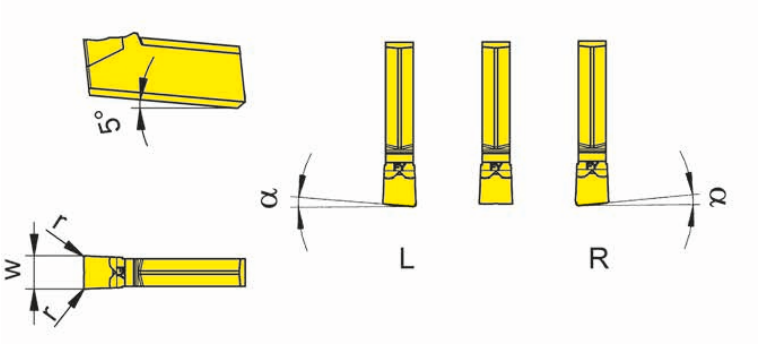
Δ 4周
4 weeks

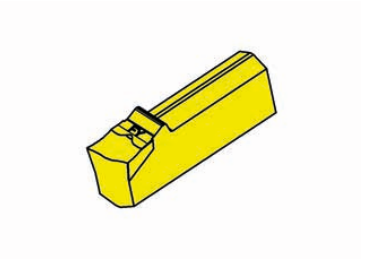
产品型号 Part number	w	r	α	HIS	TC92	TC93	TF42	TF43	TF45	TF46	TI22
RS100.0520.F2	2	0.2	5°	100018	Δ	Δ		Δ	▲		Δ
RS100.0525.F2	2.5	0.2	5°	100028	Δ	Δ		Δ	▲	Δ	Δ
RS100.0530.F2	3	0.2	5°	100038	Δ	Δ		▲	▲	▲	Δ
LS100.0520.F2	2	0.2	5°	100018	Δ	Δ		Δ		Δ	Δ
LS100.0525.F2	2.5	0.2	5°	100028	Δ	Δ		Δ	▲	Δ	Δ
LS100.0530.F2	3	0.2	5°	100038	Δ			Δ	▲		Δ
S100.0200.F2	2	0.2	-	100018	▲	Δ		▲	▲	▲	Δ
S100.0300.F2	3	0.2	0°	100038		▲	Δ	▲	▲	▲	Δ
S100.0400.F3	4	0.3	0°	100048	Δ	▲		▲	▲	▲	Δ
S100.0500.F3	5	0.3	0°	100058	Δ			Δ	▲	Δ	Δ
P					●	●	●	●	●	●	●
M					-	-	-	-	●	o	-
K					-	-	-	-	●	●	-
N					-	-	-	-	●	●	-
S					-	-	-	-	●	o	-
H					-	-	-	-	-	-	-

U

S100







R=右手型
R = right hand version

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

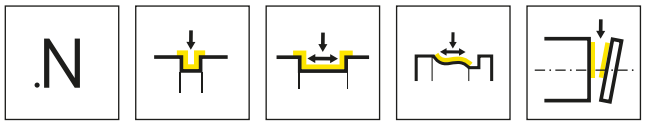
▲ 库存
on stock

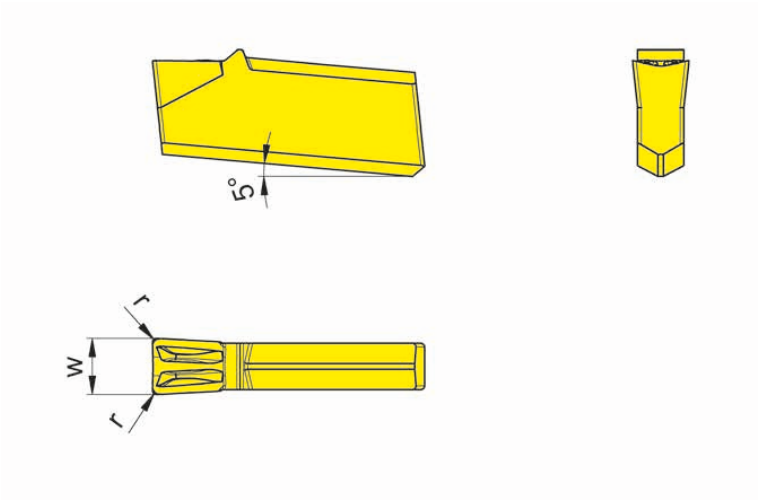
Δ 4周
4 weeks

产品型号 Part number	w	r	α	HIS	AS45	HP65	IG35	PH35	TI25
RS100.1520.FY0	2	0	15°	100018	▲		▲		
RS100.1530.FY0	3	-	15°	100038	▲		▲		
LS100.1520.FY0	2	0	15°	100018	▲		▲		
LS100.1530.FY0	3	-	15°	100038	▲		▲		
S100.0200.FY2	2	0.2	-	100018	Δ	▲	▲	Δ	▲
S100.0220.FY2	2.2	0.2	0°	100018			▲		▲
S100.0250.FY2	2.5	0.2	0°	100028	Δ	▲	▲		▲
S100.0300.FY2	3	0.2	0°	100038	Δ	▲	▲		▲
S100.0400.FY3	4	0.3	0°	100048		▲	▲		▲
					P ●	●	-	o	●
					M ●	●	●	o	●
					K ●	●	-	●	●
					N o	o	-	-	●
					S ●	●	●	-	●
					H -	-	-	-	-

U

S100





硬质合金牌号
Carbide grades

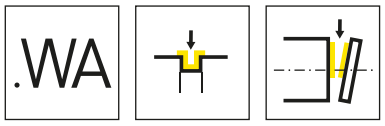
▲ 库存
on stock

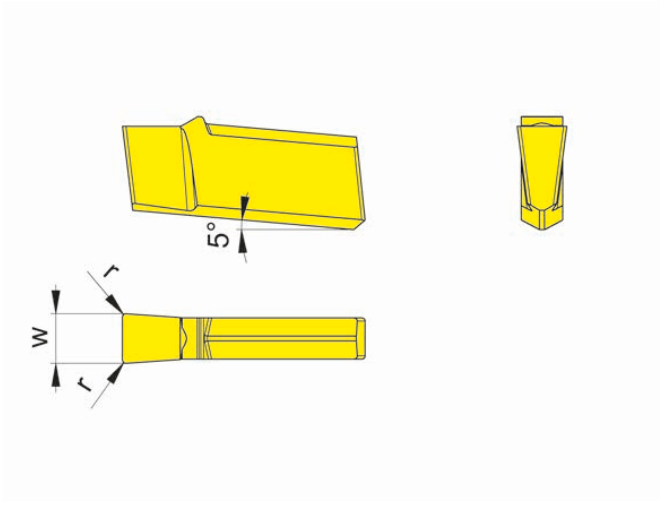
Δ 4周
4 weeks

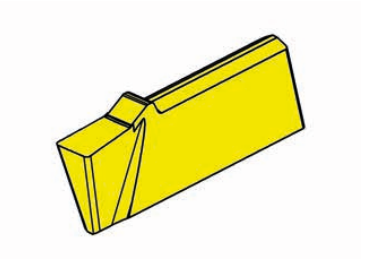
产品型号 Part number	w	r	HIS		AS45	HP65
S100.0300.N2	3	0.2	100038		▲	▲
S100.0400.N3	4	0.3	100048		▲	▲
				P	●	●
				M	●	●
				K	●	●
				N	o	o
				S	●	●
				H	-	-

U

S100







硬质合金牌号
Carbide grades

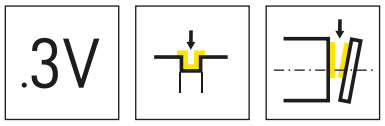
▲ 库存
on stock

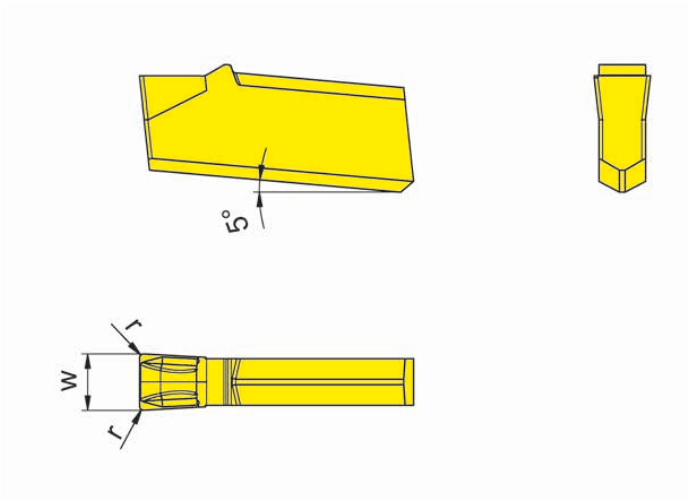
Δ 4周
4 weeks

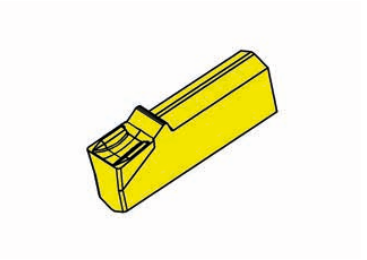
产品型号 Part number	w	r	HIS		K10	DD26
S100.0200.WA2	2	0.2	100018		▲	▲
S100.0300.WA2	3	0.2	100038		▲	▲
				P	●	-
				M	o	-
				K	●	-
				N	●	●
				S	o	o
				H	-	-

U

S100







硬质合金牌号
Carbide grades

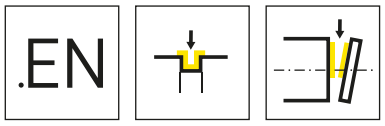
▲ 库存
on stock

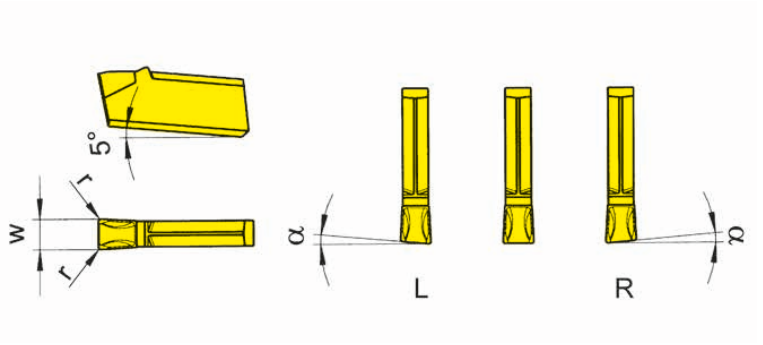
Δ 4周
4 weeks

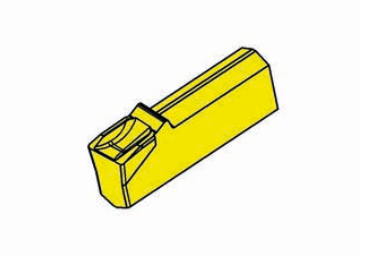
产品型号 Part number	w	r	HIS		AS45	HP35	HP65	IG35	IG65	IG6G	PH35
S100.0200.3V2	2	0.2	100018		▲	Δ	▲	▲	▲		Δ
S100.0250.3V2	2.5	0.2	100028		▲		▲	▲	▲		
S100.0300.3V2	3	0.2	100038		▲		▲	▲	▲	▲	
S100.0400.3V3	4	0.3	100048		▲		▲	▲	▲		
				P	●	o	●	-	●	●	o
				M	●	●	●	●	●	o	o
				K	●	o	●	-	-	o	●
				N	o	-	o	-	-	-	-
				S	●	o	●	●	o	-	-
				H	-	-	-	-	-	-	-

U

S100







R=右手型
R = right hand version

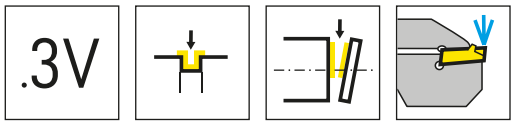
L=左手型
L = left hand version

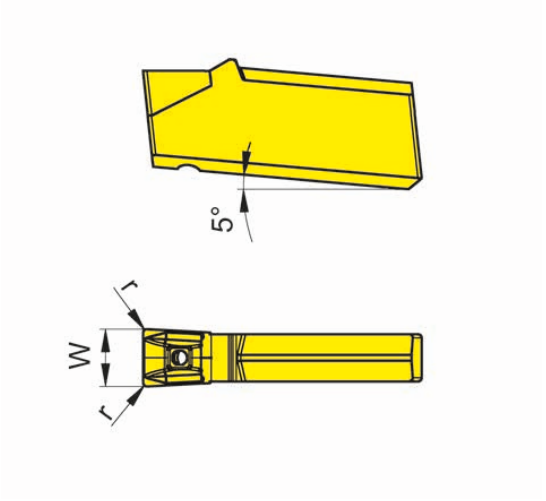
▲ 库存
on stock

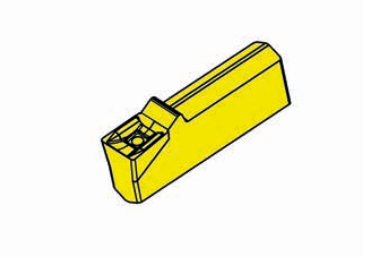
Δ 4周
4 weeks

产品型号 Part number	w	r	α	HIS	硬质合金牌号 Carbide grades ALX3	ALX5	AS62	AS63	AS66	AS6G	TF45	TH35
RS100.0540.EN2	4	0.2	5°	100048	▲							
RS100.0530.EN2	3	0.2	5°	100038			▲		▲			
LS100.0480.EN8	8	0.8	4°	100088					Δ			
LS100.0540.EN2	4	0.2	5°	100048	▲							
S100.0200.EN2	2	0.2	0°	100018	▲	Δ				▲		Δ
S100.0300.EN2	3	0.2	0°	100038	▲	Δ		▲	▲	▲	Δ	
S100.0400.EN3	4	0.3	0°	100048	▲			▲		▲		
S100.0500.EN3	5	0.3	0°	100058	▲							
S100.0600.EN6	6	0.6	0°	100068						▲		
S100.0800.EN8	8	0.8	0°	100088						▲		
S100.1000.EN8	10	0.8	0°	100108						▲		
S100.1200.EN8	12	0.8	0°	100128						▲		
S100.1600.EN8	16	0.8	0°	100168						▲		
P					●	●	●	●	●	●	●	●
M					-	●	-	-	o	●	●	●
K					-	●	-	-	●	●	●	●
N					-	●	-	-	●	●	●	●
S					-	●	-	-	o	●	●	●
H					-	-	-	-	-	-	-	-

U







硬质合金牌号
Carbide grades

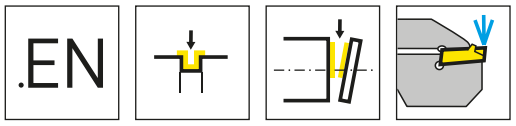
▲ 库存
on stock

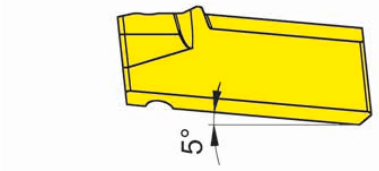
Δ 4周
4 weeks

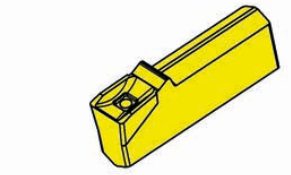
产品型号 Part number	w	r	HIS		HP65	IG35
S100.0250.3V2.IK	2.5	0.2	100029		▲	▲
S100.0300.3V2.IK	3	0.2	100039		▲	▲
				P	●	-
				M	●	●
				K	●	-
				N	o	-
				S	●	●
				H	-	-

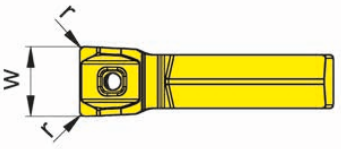
U

S100









硬质合金牌号
Carbide grades

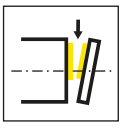
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	HIS		AS45	EG55	HP65
S100.0250.EN2.IK	2.5	0.2	100029		▲	Δ	▲
S100.0300.EN2.IK	3	0.2	100039		▲	▲	▲
S100.0400.EN3.IK	4	0.3	100049		▲	▲	▲
				P	●	●	●
				M	●	o	●
				K	●	o	●
				N	o	-	o
				S	●	-	●
				H	-	-	-

U

刀杆
Toolholder
H223



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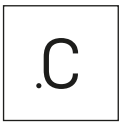
638

可转位刀片
Indexable insert
S223



页/Page
639-640

页/Page
641

技术信息
Technical Instructions

页/Page
713

U

223

U

刀杆和刀片

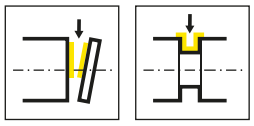
带卷屑器
槽宽 2 - 3 mm
槽深可达 25 mm

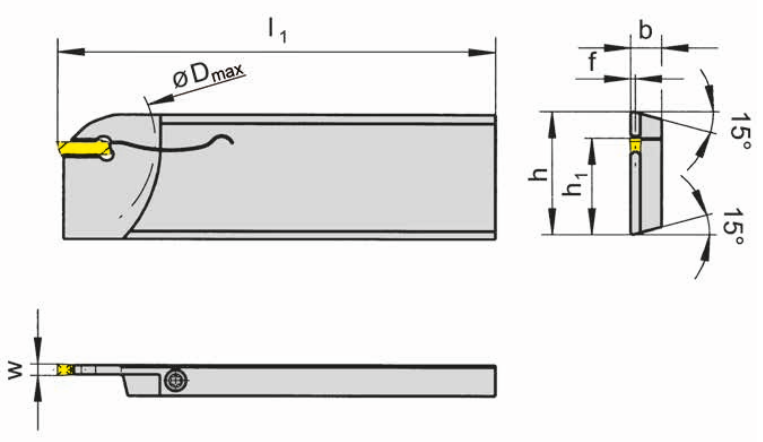
Toolholder and Inserts

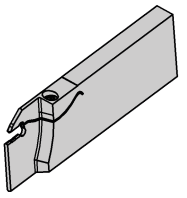
with chip forming
Width of groove 2 - 3 mm
Depth of groove up to 25 mm

刀杆
Toolholder

H223







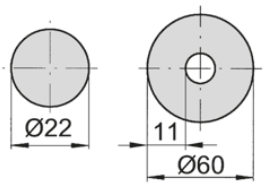
R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

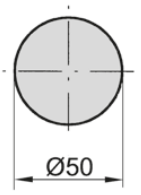
产品型号 Part number	h	b	l_1	h_1	f	D_{max}	HWS
RH223.2608.01	26	7.9	110	21.4	0.8	50	12301 • 22301
RH223.3208.01	32	7.9	110	24.8	0.8	50	12301 • 22301
RH223.2608.02	26	7.9	110	21.4	0.95	50	22302
RH223.3208.02	32	7.9	110	24.8	0.95	50	22302
RH223.2608.03	26	7.9	110	21.4	1.2	50	12303 • 22303
LH223.2608.01	26	7.9	110	21.4	0.8	50	12301 • 22301
LH223.3208.01	32	7.9	110	24.8	0.8	50	12301 • 22301
LH223.2608.02	26	7.9	110	21.4	0.95	50	22302
LH223.3208.02	32	7.9	110	24.8	0.95	50	22302
LH223.2608.03	26	7.9	110	21.4	1.2	50	12303 • 22303
LH223.3208.03	32	7.9	110	24.8	1.2	50	12303 • 22303

w见刀片
w see indexable inserts

实心棒料切断/管材
Parting off solid bars/tubes
S223

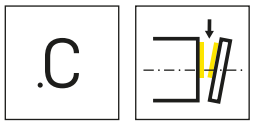


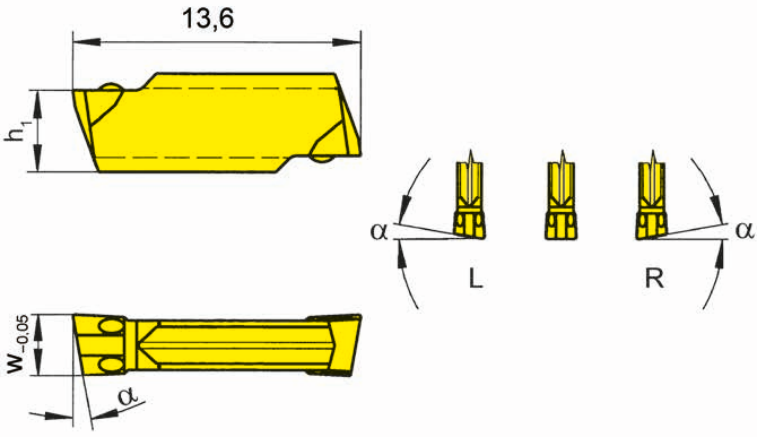
实心棒料切断
Parting off solid bars
S123

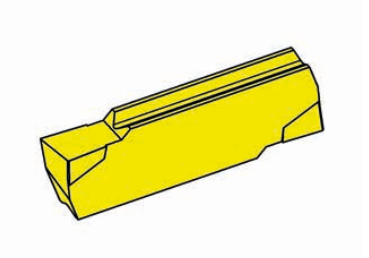


配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH223...	**4.15T15P**	**T15PL**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

▲ 库存
on stock

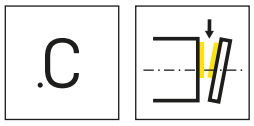
Δ 4周
4 weeks

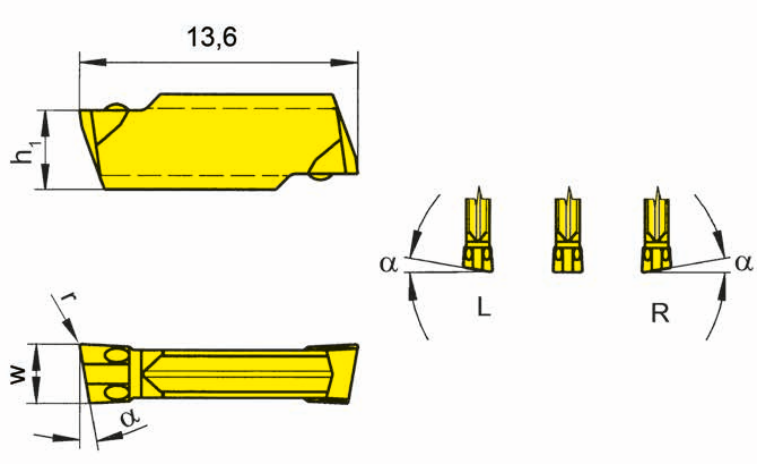
硬质合金牌号
Carbide grades

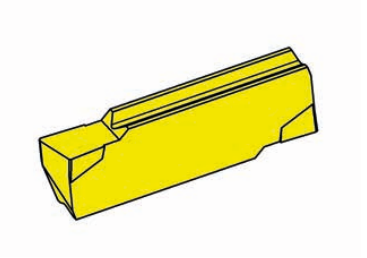
产品型号 Part number	w	α	h_1	HIS	TF45	TI25	TN35
RS223.0420.C0	2	4°	3.65	22301	Δ	▲	▲
RS223.0820.C0	2	8°	3.65	22301	▲	▲	▲
RS223.1520.C0	2	15°	3.65	22301	▲	▲	▲
RS223.0425.C0	2.5	4°	3.75	22302	Δ	▲	
RS223.0825.C0	2.5	8°	3.75	22302	▲	▲	▲
RS223.0430.C0	3	4°	3.95	22303	Δ	Δ	Δ
RS223.0830.C0	3	8°	3.95	22303	▲	▲	▲
LS223.0420.C0	2	4°	3.65	22301	Δ		▲
LS223.0820.C0	2	8°	3.65	22301		▲	▲
LS223.1520.C0	2	15°	3.65	22301	Δ	▲	▲
LS223.0425.C0	2.5	4°	3.75	22302	Δ	Δ	Δ
LS223.0825.C0	2.5	8°	3.75	22302	Δ	Δ	
LS223.0430.C0	3	4°	3.95	22303	Δ	Δ	Δ
LS223.0830.C0	3	8°	3.95	22303	Δ	Δ	Δ
S223.0020.C0	2	0°	3.65	22301	▲	▲	▲
S223.0025.C0	2.5	0°	3.75	22302	Δ	▲	Δ
S223.0030.C0	3	0°	3.95	22303	Δ	▲	▲
P					●	●	●
M					●	●	●
K					●	●	●
N					●	●	●
S					●	●	●
H					-	-	-

U

S223







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

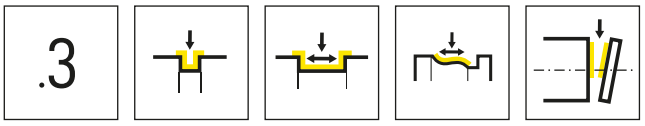
Δ 4周
4 weeks

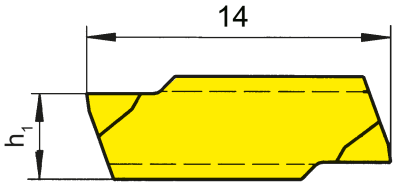
产品型号 Part number	w	r	α	h_1	HIS		TF45	TI25	TN35
RS223.0420.C1	2	0.15	4°	3.65	22301		Δ	Δ	▲
RS223.0820.C1	2	0.15	8°	3.65	22301		▲	▲	▲
RS223.1520.C1	2	0.15	15°	3.65	22301		▲	Δ	▲
RS223.0425.C1	2.5	0.15	4°	3.75	22302		Δ	Δ	Δ
RS223.0825.C1	2.5	0.15	8°	3.75	22302		Δ	▲	Δ
RS223.0430.C1	3	0.15	4°	3.95	22303		Δ		Δ
RS223.0830.C1	3	0.15	8°	3.95	22303		▲	Δ	
LS223.0420.C1	2	0.15	4°	3.65	22301		Δ	Δ	▲
LS223.0820.C1	2	0.15	8°	3.65	22301			Δ	Δ
LS223.1520.C1	2	0.15	15°	3.65	22301			Δ	Δ
LS223.0425.C1	2.5	0.15	4°	3.75	22302		Δ	Δ	Δ
LS223.0825.C1	2.5	0.15	8°	3.75	22302			Δ	Δ
LS223.0430.C1	3	0.15	4°	3.95	22303		Δ	Δ	Δ
LS223.0830.C1	3	0.15	8°	3.95	22303		Δ	Δ	Δ
S223.0020.C1	2	0.15	0°	3.65	22301		▲	▲	▲
S223.0025.C1	2.5	0.15	0°	3.75	22302		Δ	▲	Δ
S223.0030.C1	3	0.15	0°	3.95	22303		▲	▲	▲
						P	●	●	●
						M	●	●	●
						K	●	●	●
						N	●	●	●
						S	●	●	●
						H	-	-	-

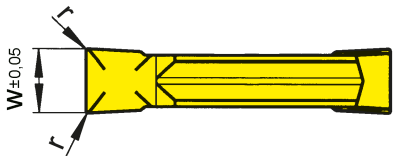
U

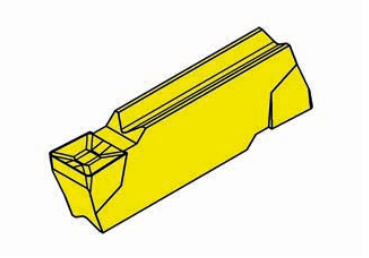
可转位刀片
Indexable insert

S223









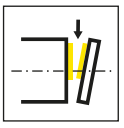
硬质合金牌号
Carbide grades

▲ 库存 on stock　　Δ 4周 4 weeks

产品型号 Part number	w	r	h_1	HIS		MG12	H54	TI25	TN35
S223.0200.32	2	0.2	3.65	22301		▲	▲	▲	▲
S223.0250.32	2.5	0.2	3.75	22302		▲	▲	▲	▲
S223.0300.32	3	0.2	3.95	22303		▲	▲	▲	▲
					P	o	●	●	●
					M	-	●	●	●
					K	-	-	●	●
					N	-	-	●	●
					S	-	-	●	●
					H	-	-	-	-

U

刀杆
Toolholder
H224



页/Page
644-650

可转位刀片
Indexable insert
S224

.C

页/Page
651-652

.D

页/Page
653

.E

页/Page
654

.F

页/Page
655

.FY

页/Page
656

.WT

页/Page
657

.3V

页/Page
658

技术信息
Technical Instructions

页/Page
713

U

S224

U

刀杆和刀片

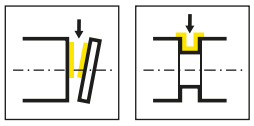
槽宽 2 - 3 mm

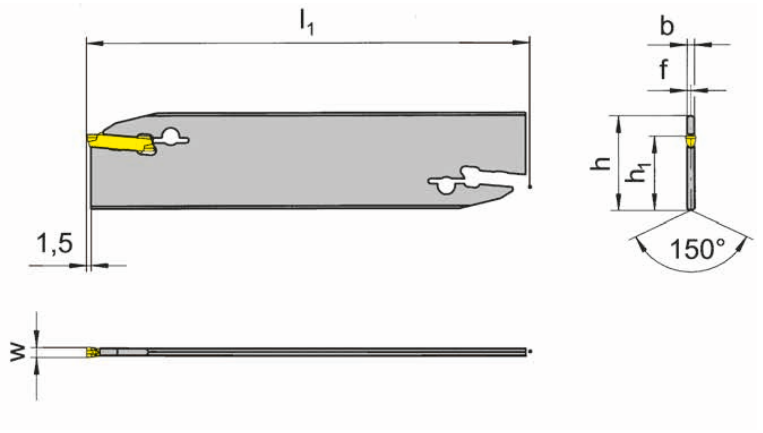
Toolholder and Inserts

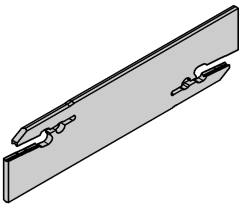
Width of groove 2 - 3 mm

刀杆
Toolholder

H224





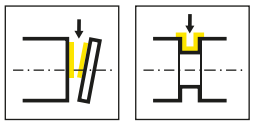


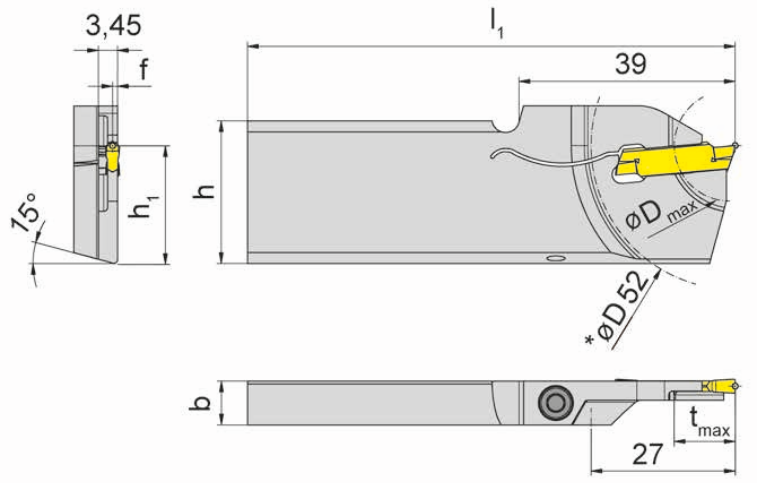
产品型号 Part number	h	b	l_1	h_1	f	t_{max}	HWS
H224.2602.02	26	1.9	110	21.4	0.95	18	224028
H224.2603.03	26	2.3	110	21.4	1.15	18	224038
H224.3203.03	32	2.3	150	24.8	1.15	18	224038

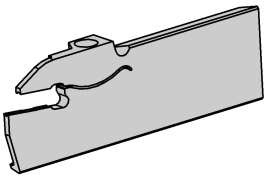
w见刀片
w see indexable inserts

扳手P39L不包含在刀板中，需单独订购！
Wrench P39L is not combined with toolholder - separate order required!

U







L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	h_1	f	t_{max}	D_{max}	HWS
LH224.2608.20.T.81	26	7.9	88	21.4	0.7	11	20	224018
LH224.2608.20.T.82	26	7.9	88	21.4	0.9	11	20	224028
LH224.2608.20.T.83	26	7.9	88	21.4	1.1	11	20	224038

用于机床：TRAUB (TNL18P)
for machines TRAUB (TNL18P)

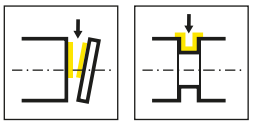
*副主轴的Dmax=D52
*D 52 = Dmax of the subspindle

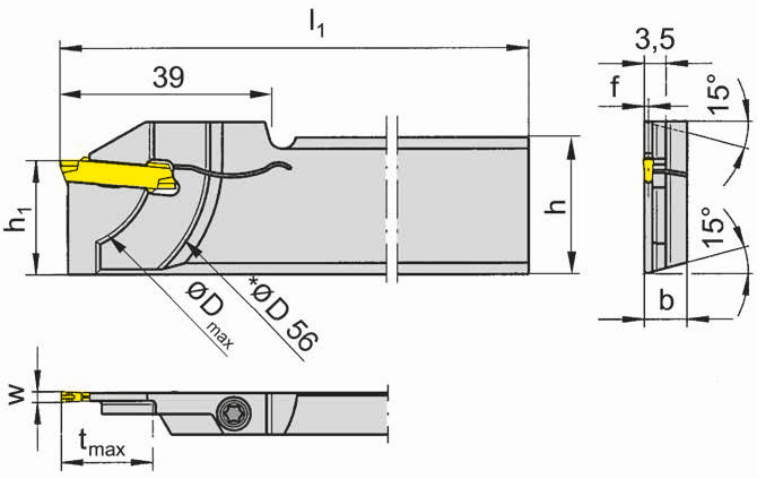
U

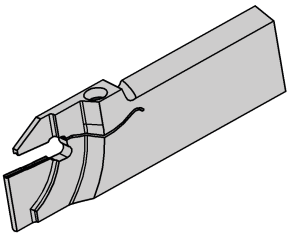
配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
LH224...	**4.15T15P**	**T15PQ**

H224







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	h_1	f	t_{max}	D_{max}	HWS
RH224.2608.81	26	7.9	110	21.4	0.75	18	36	224018
RH224.2608.82	26	7.9	110	21.4	0.95	18	36	224028
RH224.2608.83	26	7.9	110	21.4	1.2	18	36	224038
LH224.2608.81	26	7.9	110	21.4	0.75	18	36	224018
LH224.2608.82	26	7.9	110	21.4	0.95	18	36	224028
LH224.2608.83	26	7.9	110	21.4	1.1	18	36	224038

用于TRAUB（TNK28/TNK36/TNL26）机床
for machines TRAUB (TNK28/TNK36/TNL26)

w见刀片
w see indexable inserts

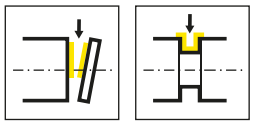
*副主轴Dmax=D56
*D 56 = Dmax of the subspindle

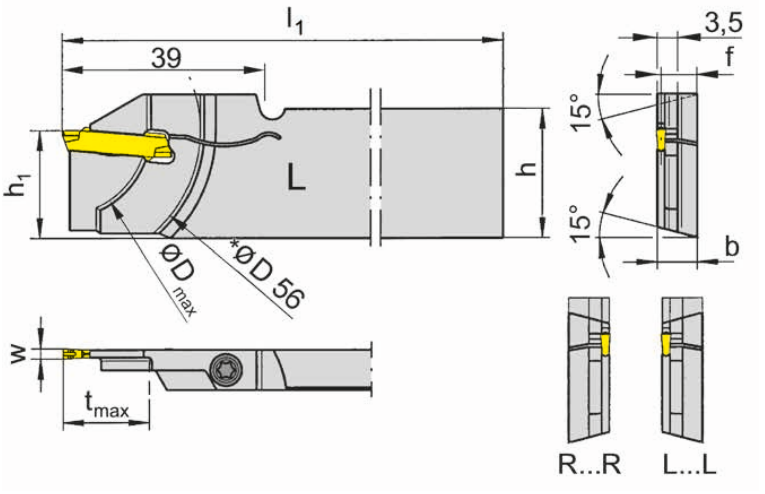
U

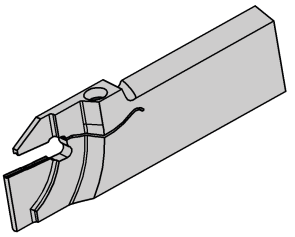
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH224...	**4.15T15P**	**T15PL**

H224







L=左手型-如图
L = left hand version shown

R=右手型
R = right hand version

产品型号 Part number	h	b	l_1	h_1	f	t_{max}	D_{max}	HWS
RH224.2608.81R	26	7.9	110	21.4	7.15	18	36	224018
RH224.2608.82R	26	7.9	110	21.4	6.95	18	36	224028
RH224.2608.83R	26	7.9	110	21.4	6.75	18	36	224038
RH224.3208.83R	32	7.9	110	24.8	6.8	21	42	224038
LH224.2608.81L	26	7.9	110	21.4	7.15	18	36	224018
LH224.2608.82L	26	7.9	110	21.4	6.95	18	36	224028
LH224.2608.83L	26	7.9	110	21.4	6.75	18	36	224038
LH224.3208.83L	32	7.9	110	24.8	6.8	21	42	224038

用于TRAUB（TNK28/TNK36/TNL26）机床
for machines TRAUB (TNK28/TNK36/TNL26)

w见刀片
w see indexable inserts

*副主轴Dmax=D56
*D 56 = Dmax of the subspindle

* 用于副主轴的特殊夹持装置 (例如:瀚柏格夹具)
* For specific clamping device on subspindle (e.g. HAINBUCH Axfixchuck)

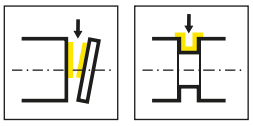
U

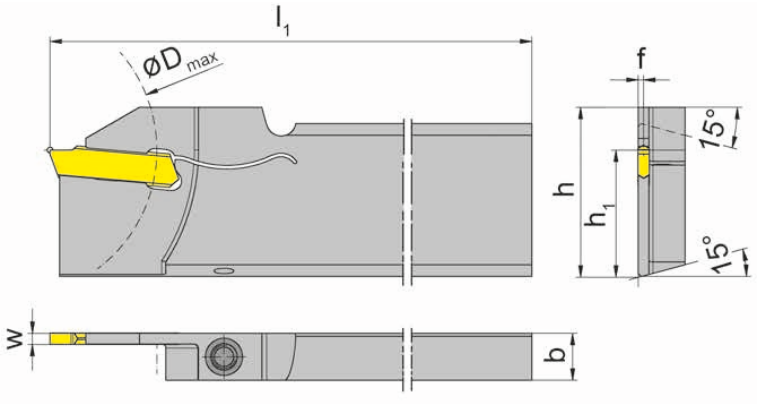
配件
Spare Parts

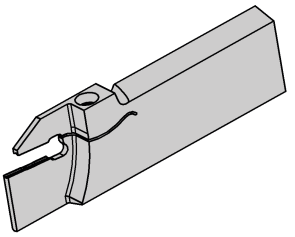
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
LH224.2608....	**4.15T15P**	**T15PL**
RH224.2608....	**4.15T15P**	**T15PL**

刀杆
Toolholder

H224







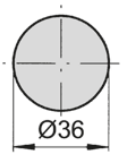
R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

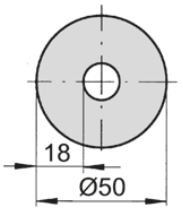
产品型号 Part number	h	b	l_1	h_1	f	t_{max}	D_{max}	HWS
RH224.2608.01	26	7.9	110	21.4	0.7	18	50	224018
RH224.3208.01	32	7.9	110	24.8	0.7	18	50	224018
RH224.2608.02	26	7.9	110	21.4	0.9	18	50	224028
RH224.3208.02	32	7.9	110	24.8	0.9	18	50	224028
RH224.2608.03	26	7.9	110	21.4	1.1	18	50	224038
RH224.3208.03	32	7.9	110	24.8	1.1	18	50	224038
LH224.2608.01	26	7.9	110	21.4	0.7	18	50	224018
LH224.3208.01	32	7.9	110	24.8	0.7	18	50	224018
LH224.2608.02	26	7.9	110	21.4	0.9	18	50	224028
LH224.3208.02	32	7.9	110	24.8	0.9	18	50	224028
LH224.2608.03	26	7.9	110	21.4	1.1	18	50	224038
LH224.3208.03	32	7.9	110	24.8	1.1	18	50	224038

w见刀片
w see indexable inserts

实心棒料切断
Parting off solid bars

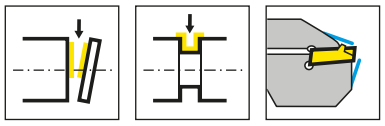


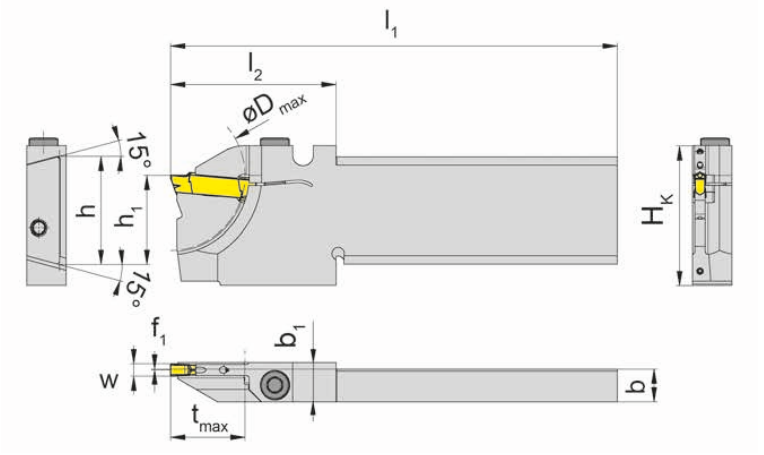
管材切断
Parting off tubes

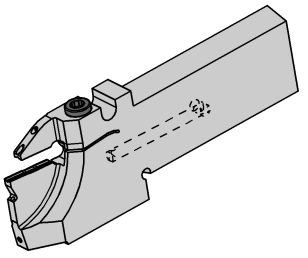


配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH224...	**4.20T15P**	**T15PL**







R=右手型-如图
R = right hand version shown

产品型号 Part number	H_K	h	b	l_1	h_1	f	t_{max}	l_2	D_{max}	b_1	HWS
RH224.2608.1.18.4.73.IK	33.6	26	7.9	108	21.4	0.2	18	40	36	9.5	224038
RH224.2608.1.18.4.73R.IK	33.6	26	7.9	108	21.4	6.4	18	40	36	9.5	224038
RH224.2608.2.18.4.73.IK	33.6	26	7.9	124	21.4	0.2	18	65	36	9.5	224038
RH224.2608.2.18.4.73R.IK	33.6	26	7.9	124	21.4	6.4	18	65	36	9.5	224038

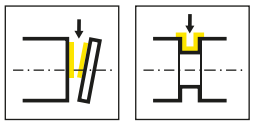
适用机床 DMG MORI (MULTISPRINT 36)
for machines DMG MORI (MULTISPRINT 36)

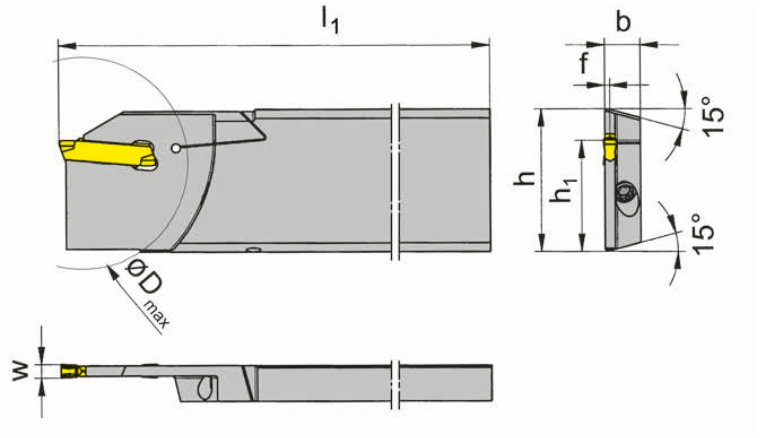
w见刀片
w see indexable inserts

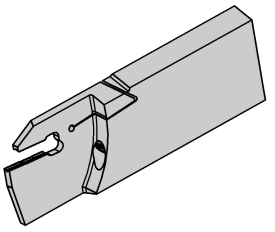
U

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
RH224...	**5.13T20P**	**T20PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

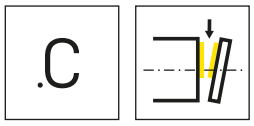
产品型号 Part number	h	b	l_1	h_1	f	t_{max}	D_{max}	HWS
RH224.3208.93	32	8	112	24.8	1.15	32.5	65	224038
LH224.3208.93	32	8	112	24.8	1.15	32.5	65	224038

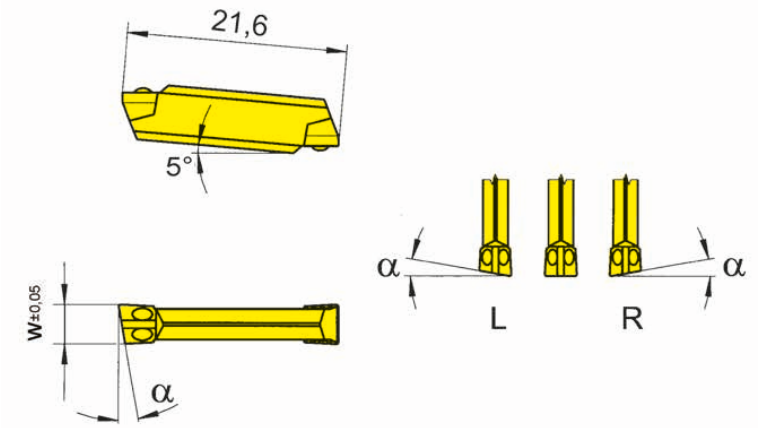
w见刀片
w see indexable inserts

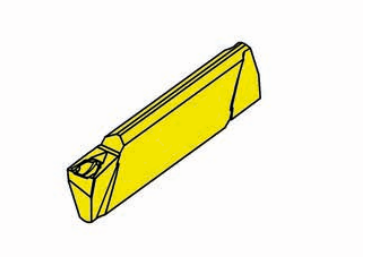
U

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LH224.3208.93	**030.0413.T15P**	**T15PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	α	HIS		TC92	TF45	TI25	TN35
RS224.0520.C0	2	5°	224018		Δ	▲	Δ	▲
RS224.0820.C0	2	8°	224018		Δ	▲	Δ	▲
RS224.1520.C0	2	15°	224018		Δ	▲		▲
RS224.0525.C0	2.5	5°	224028		Δ	▲	▲	▲
RS224.0530.C0	3	5°	224038		▲	▲	Δ	▲
RS224.0830.C0	3	8°	224038		Δ	▲		▲
LS224.0520.C0	2	5°	224018		Δ	▲	Δ	▲
LS224.0820.C0	2	8°	224018		Δ	▲	Δ	▲
LS224.1520.C0	2	15°	224018			▲		▲
LS224.0525.C0	2.5	5°	224028		Δ		Δ	Δ
LS224.0530.C0	3	5°	224038		Δ	Δ	Δ	▲
LS224.0830.C0	3	8°	224038		Δ	▲		▲
S224.0020.C0	2	0°	224018		Δ	▲	▲	▲
S224.0025.C0	2.5	0°	224028		Δ	▲	▲	▲
S224.0030.C0	3	0°	224038		Δ	▲	▲	▲
				P	●	●	●	●
				M	-	●	●	●
				K	-	●	●	●
				N	-	●	●	●
				S	-	●	●	●
				H	-	-	-	-

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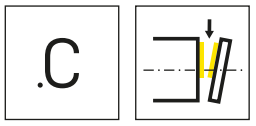

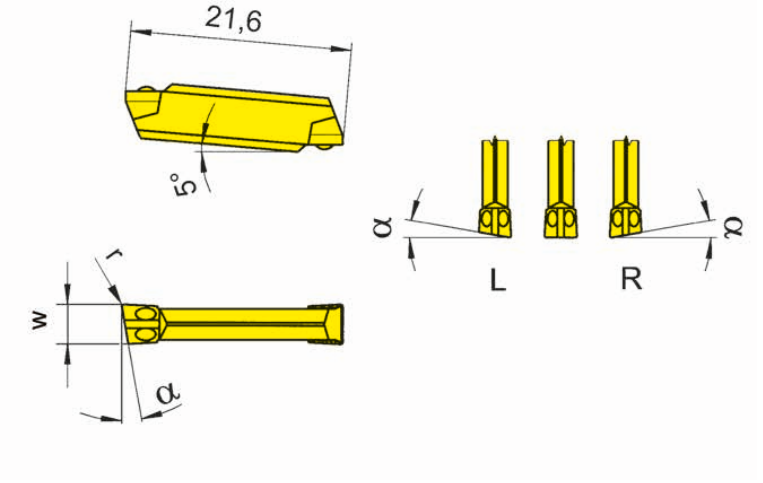

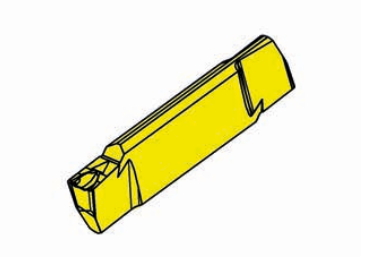

R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	α	HIS		TC92	TF45	TI25	TN35
RS224.0520.C1	2	0.15	5°	224018		Δ	▲		▲
RS224.0820.C1	2	0.15	8°	224018		Δ	▲		Δ
RS224.1520.C1	2	0.15	15°	224018		Δ	▲		▲
RS224.0525.C1	2.5	0.15	5°	224028		Δ	▲		Δ
RS224.0825.C1	2.5	0.15	8°	224028		Δ	▲		Δ
RS224.0530.C1	3	0.15	5°	224038		Δ	▲		▲
RS224.0830.C1	3	0.15	8°	224038		Δ	▲		▲
LS224.0520.C1	2	0.15	5°	224018		Δ	▲		▲
LS224.0820.C1	2	0.15	8°	224018		Δ	▲		Δ
LS224.1520.C1	2	0.15	15°	224018		Δ	▲		▲
LS224.0525.C1	2.5	0.15	5°	224028		Δ	▲		Δ
LS224.0825.C1	2.5	0.15	8°	224028		Δ	▲		Δ
LS224.0530.C1	3	0.15	5°	224038		Δ	▲		▲
LS224.0830.C1	3	0.15	8°	224038		Δ	▲		▲
S224.0020.C1	2	0.15	0°	224018		▲	▲	▲	▲
S224.0025.C1	2.5	0.15	0°	224028		Δ	▲	▲	▲
S224.0030.C1	3	0.15	0°	224038		Δ	▲	▲	▲
					P	●	●	●	●
					M	-	●	●	●
					K	-	●	●	●
					N	-	●	●	●
					S	-	●	●	●
					H	-	-	-	-

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可转位刀片
Indexable insert

S224

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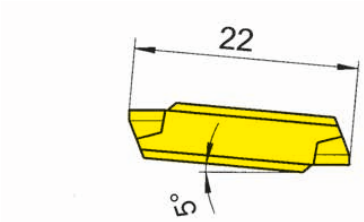

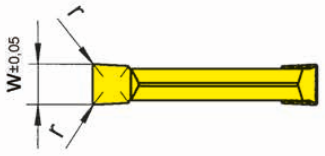

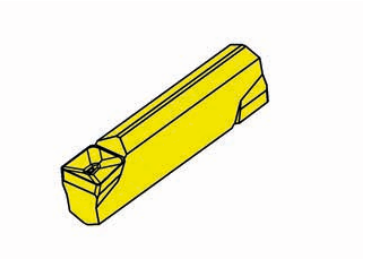

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	HIS		H54	IG66	TF45	TF46	TI25	TN32	TN35
S224.0200.D2	2	0.2	224018		▲	▲	▲	▲	▲	▲	▲
S224.0250.D2	2.5	0.2	224028		Δ	▲	▲	▲	▲	▲	▲
S224.0300.D2	3	0.2	224038		▲	▲	▲	▲	▲	▲	▲
				P	●	●	●	●	●	●	●
				M	●	●	●	o	●	-	●
				K	-	-	●	●	●	-	●
				N	-	-	●	●	●	-	●
				S	-	o	●	o	●	-	●
				H	-	-	-	-	-	-	-

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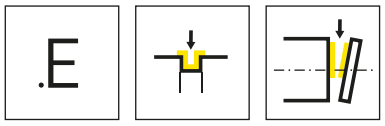

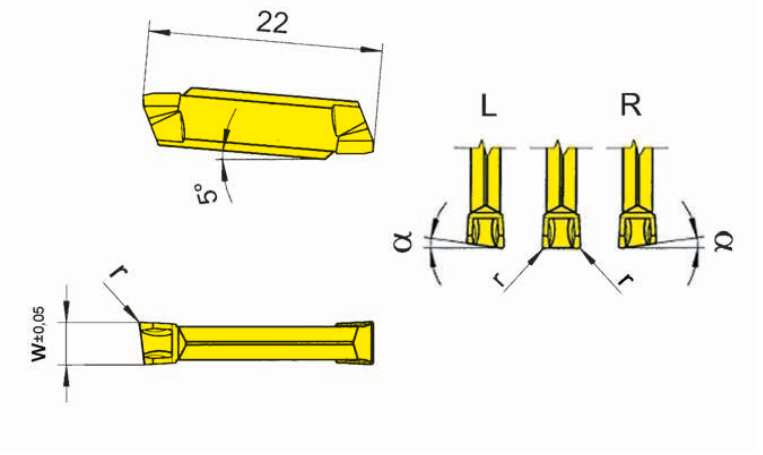

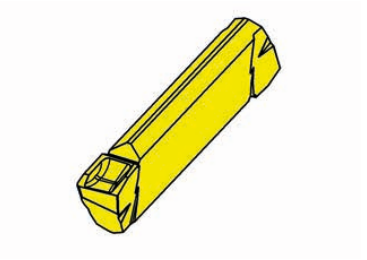

R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	α	HIS	AL96	AS62	TA43	TC92	TC93	TF43	TF45	TI22	TI25	TN32	TN35
RS224.0520.E2	2	0.2	5°	224018		▲		Δ	Δ	Δ					
RS224.0525.E2	2.5	0.2	5°	224028		▲		Δ	Δ	Δ	Δ				
RS224.0530.E2	3	0.2	5°	224038		▲		Δ	Δ	Δ	▲				
LS224.0520.E2	2	0.2	5°	224018		Δ		Δ	Δ	Δ	Δ				
LS224.0525.E2	2.5	0.2	5°	224028		Δ		Δ	Δ	Δ	Δ				
LS224.0530.E2	3	0.2	5°	224038		▲			Δ		▲				
S224.0200.E2	2	0.2	0°	224018		▲		Δ		▲	▲				
S224.0250.E2	2.5	0.2	0°	224028		▲		Δ	Δ	▲	▲				
S224.0300.E2	3	0.2	0°	224038	Δ	▲	Δ	Δ	Δ	▲	▲	▲	▲	Δ	Δ
S224.0300.E4	3	0.4	-	224038	Δ	▲		Δ	Δ	Δ	▲		Δ	Δ	Δ
P					●	●	●	●	●	●	●	●	●	●	●
M					-	-	-	-	-	-	●	-	●	-	●
K					●	-	-	-	-	-	●	-	●	-	●
N					●	-	-	-	-	-	●	-	●	-	●
S					-	-	-	-	-	-	●	-	●	-	●
H					-	-	-	-	-	-	-	-	-	-	-

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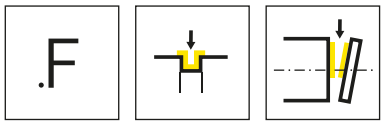
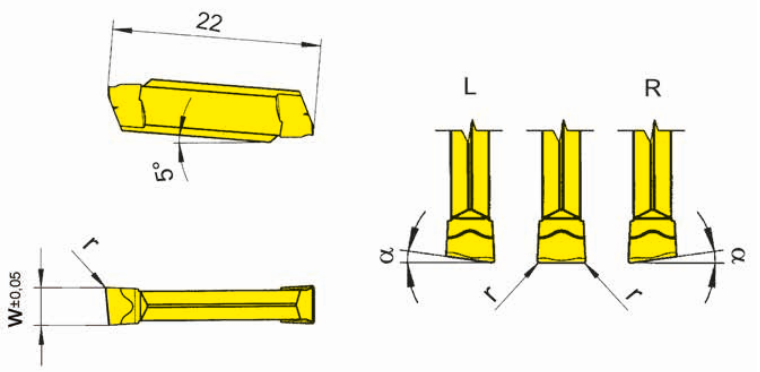
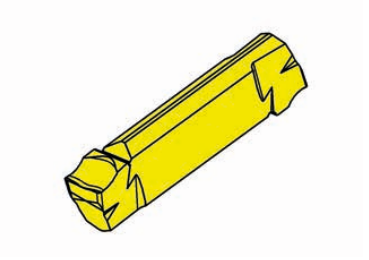
可转位刀片
Indexable insert

S224







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

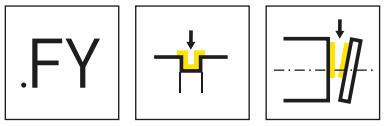
▲ 库存
on stock

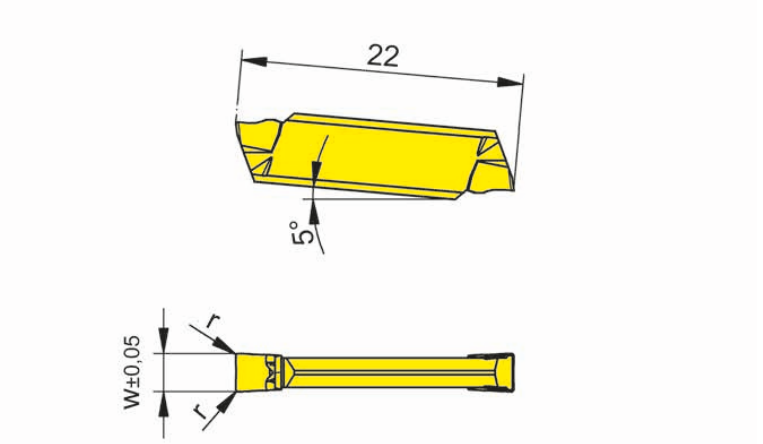
Δ 4周
4 weeks

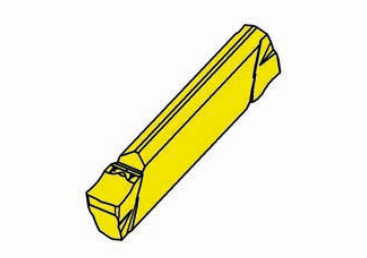
产品型号 Part number	w	r	α	HIS	AL96	TA43	TF42	TF43	TF45	TF46	TI22	TI25	TN32
RS224.0520.F2	2	0.2	5°	224018					▲	▲			
RS224.0525.F2	2.5	0.2	5°	224028				▲	▲				
RS224.0530.F2	3	0.2	5°	224038				▲	▲		Δ		
LS224.0520.F2	2	0.2	5°	224018					▲	Δ			
LS224.0525.F2	2.5	0.2	5°	224028					▲				
LS224.0530.F2	3	0.2	5°	224038				Δ	▲				
S224.0200.F2	2	0.2	0°	224018	Δ		Δ	▲	▲	▲	▲	▲	Δ
S224.0250.F2	2.5	0.2	0°	224028	Δ		Δ	Δ	▲	Δ	Δ	Δ	Δ
S224.0300.F2	3	0.2	0°	224038	Δ	Δ		▲	▲		Δ	▲	Δ
				P	●	●	●	●	●	●	●	●	●
				M	-	-	-	-	●	o	-	●	-
				K	●	-	-	-	●	●	-	●	-
				N	●	-	-	-	●	●	-	●	-
				S	-	-	-	-	●	o	-	●	-
				H	-	-	-	-	-	-	-	-	-

U

S224







硬质合金牌号
Carbide grades

▲ 库存
on stock

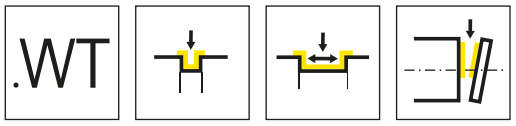
Δ 4周
4 weeks

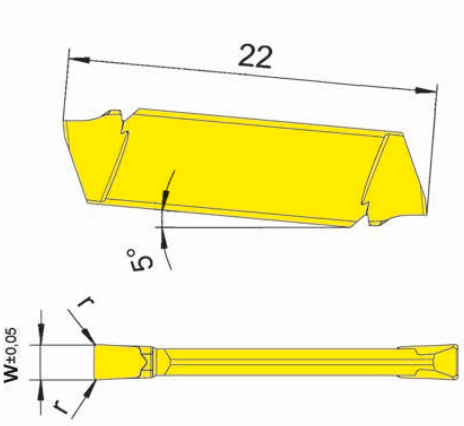
产品型号 Part number	w	r	HIS		HP65	IG35	PH35	TI25
S224.0200.FY2	2	0.2	224018		▲	▲	Δ	▲
S224.0250.FY2	2.5	0.2	224028		▲	▲	Δ	▲
S224.0300.FY2	3	0.2	224038		▲	▲	Δ	▲
				P	●	-	o	●
				M	●	●	o	●
				K	●	-	●	●
				N	o	-	-	●
				S	●	●	-	●
				H	-	-	-	-

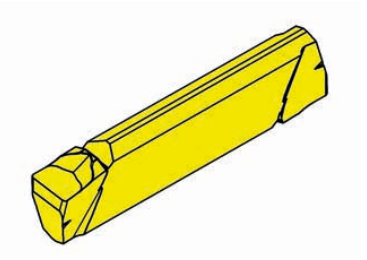
U

可转位刀片
Indexable insert

S224







硬质合金牌号
Carbide grades

▲ 库存
on stock

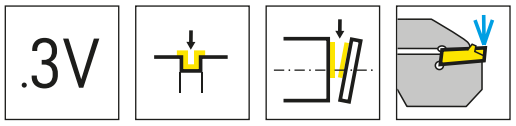
Δ 4周
4 weeks

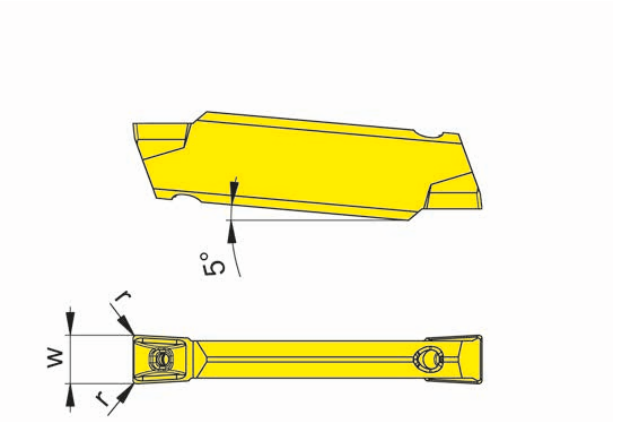
产品型号 Part number	w	r	HIS	IG35
S224.0200.WT2	2	0.2	224018	▲
S224.0250.WT2	2.5	0.2	224028	▲
S224.0300.WT2	3	0.2	224038	▲
				P -
				M ●
				K -
				N -
				S ●
				H -

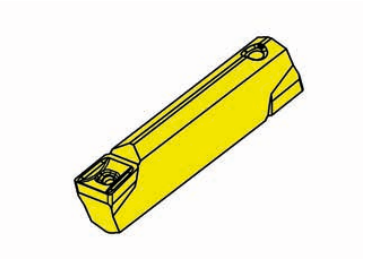
U

可转位刀片
Indexable insert

S224







硬质合金牌号
Carbide grades

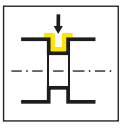
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	HIS		HP65	IG35
S224.0300.3V2.IK	3	0.2	224039		▲	▲
				P	●	-
				M	●	●
				K	●	-
				N	o	-
				S	●	●
				H	-	-

U

刀杆
Toolholder
226



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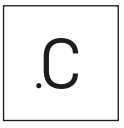
可转位刀片
Indexable insert
S229/229



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技术信息
Technical Instructions

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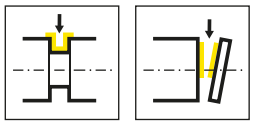
U

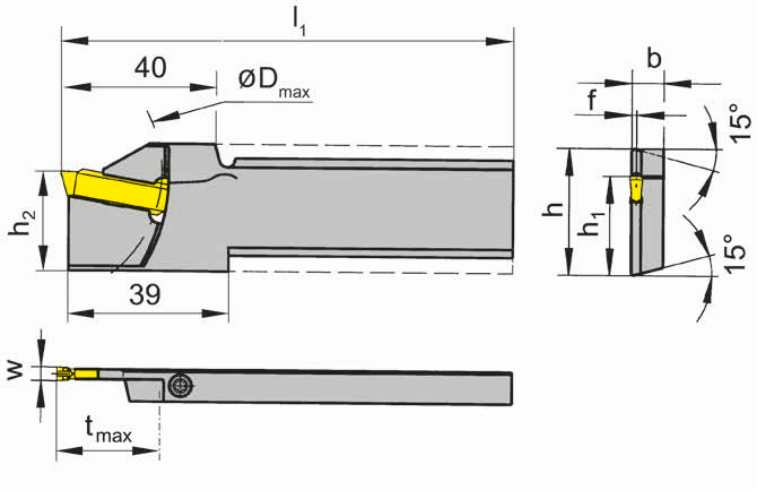
刀杆和刀片

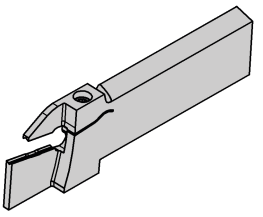
槽宽3 - 5 mm

Toolholder and Inserts

Width of groove 3 - 5 mm







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

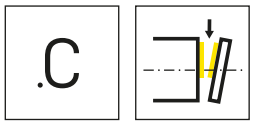
产品型号 Part number	h	b	l_1	h_2	f	t_{max}	D_{max}	h_1	夹持范围 Clamping range	HWS
R226.2608.03	26	8	110	24.8	1.2	25	150	21.4	3	229030
R226.3208.03	32	8	110	24.8	1.2	25	150	24.8	3	229030
R226.2608.04	26	8	110	24.8	1.7	25	150	21.4	4	229040
R226.3208.04	32	8	110	24.8	1.7	25	150	24.8	4	229040
L226.2608.03	26	8	110	24.8	1.2	25	150	21.4	3	229030
L226.3208.03	32	8	110	24.8	1.2	25	150	24.8	3	229030
L226.2608.04	26	8	110	24.8	1.7	25	150	21.4	4	229040
L226.3208.04	32	8	110	24.8	1.7	25	150	24.8	4	229040

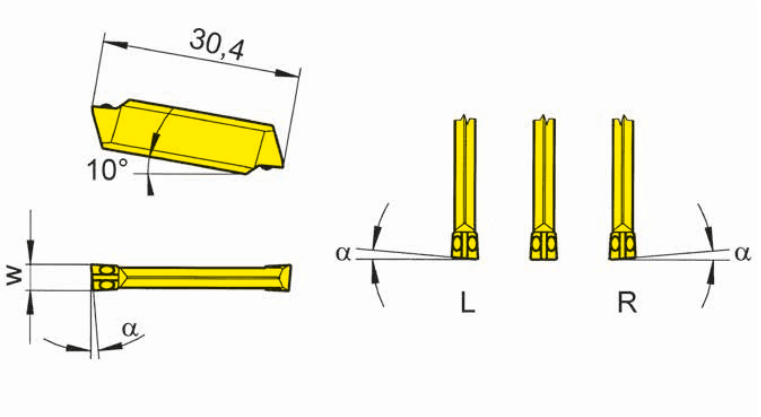
w见刀片
w see indexable inserts

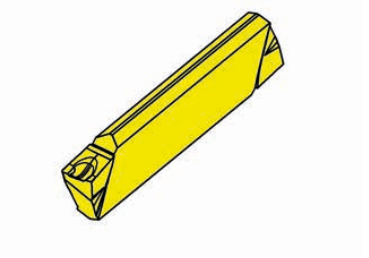
U

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/L226...	**4.15T15P**	**T15PQ**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

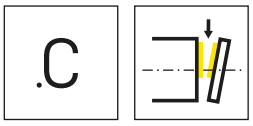
硬质合金牌号
Carbide grades

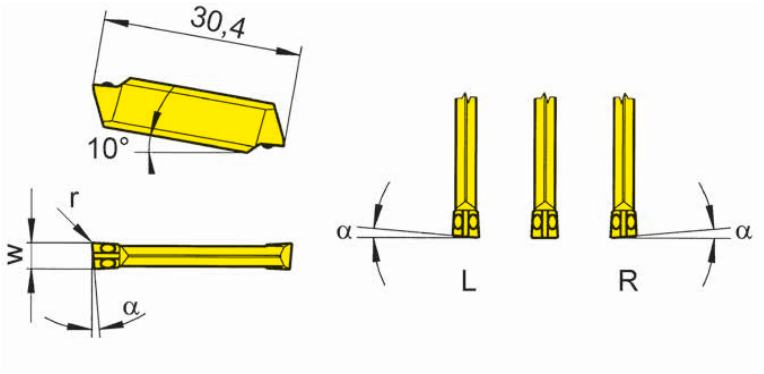
▲ 库存
on stock

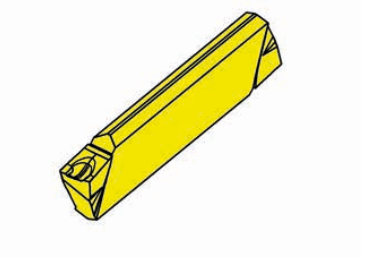
Δ 4周
4 weeks

产品型号 Part number	w	α	HIS		TC92	TF45	TI25	TN35
RS229.0530.C0	3	5°	229020 • 229030		Δ	▲	▲	▲
RS229.0540.C0	4	5°	229030 • 229040		Δ	Δ	Δ	▲
RS229.0830.C0	3	8°	229020 • 229030		▲	▲	▲	▲
RS229.0840.C0	4	8°	229030 • 229040			Δ	Δ	▲
LS229.0530.C0	3	5°	229020 • 229030		Δ	▲	▲	▲
LS229.0540.C0	4	5°	229030 • 229040		Δ	Δ	Δ	
LS229.0830.C0	3	8°	229020 • 229030		▲	▲	▲	▲
LS229.0840.C0	4	8°	229030 • 229040		Δ	Δ	Δ	Δ
S229.0030.C0	3	0°	229020 • 229030		Δ	▲	▲	▲
S229.0040.C0	4	0°	229030 • 229040		Δ	Δ	Δ	▲
				P	●	●	●	●
				M	-	●	●	●
				K	-	●	●	●
				N	-	●	●	●
				S	-	●	●	●
				H	-	-	-	-

U







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	α	HIS		TC92	TF45	TI25	TN35
RS229.0530.C1	3	0.15	5°	229020 • 229030		Δ	Δ	▲	▲
RS229.0830.C1	3	0.15	8°	229020 • 229030		Δ	▲	▲	▲
RS229.0540.C1	4	0.15	5°	229030 • 229040		Δ	Δ	Δ	Δ
RS229.0840.C1	4	0.15	8°	229030 • 229040			Δ	Δ	▲
LS229.0530.C1	3	0.15	5°	229020 • 229030		Δ	Δ	▲	▲
LS229.0830.C1	3	0.15	8°	229020 • 229030		Δ	▲	Δ	▲
LS229.0540.C1	4	0.15	5°	229030 • 229040		Δ	Δ		Δ
LS229.0840.C1	4	0.15	8°	229030 • 229040		Δ	Δ	Δ	Δ
S229.0030.C1	3	0.15	0°	229020 • 229030		Δ	Δ	▲	▲
					P	●	●	●	●
					M	-	●	●	●
					K	-	●	●	●
					N	-	●	●	●
					S	-	●	●	●
					H	-	-	-	-

U

可转位刀片
Indexable insert

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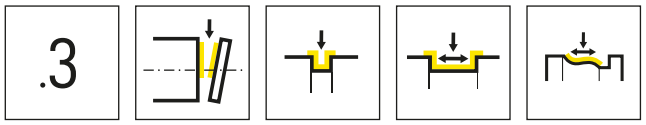
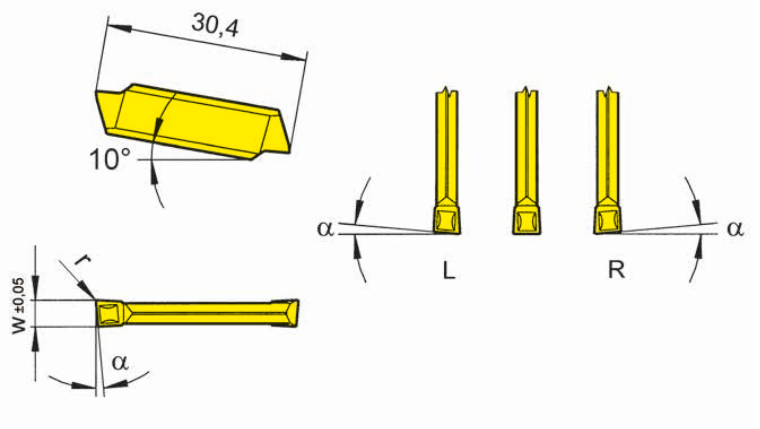
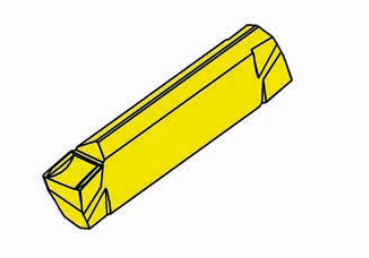






R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

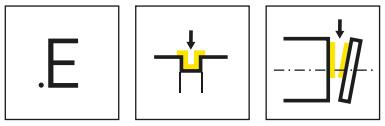
Δ 4周
4 weeks

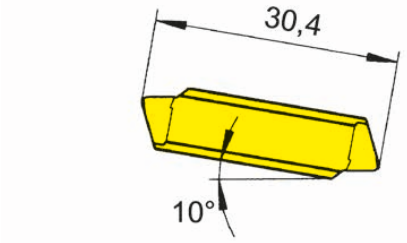
产品型号 Part number	w	r	α	HIS	MG12	P20	AL96	AS62	AS66	H54	IG66	TA45	TC92	TF45	TI22	TI25	TN32	TN35
R229.5300.31	3	0.2	5°	229020 • 229030	▲			▲					▲			▲	▲	▲
RS229.0530.32	3	0.2	5°	229020 • 229030				▲				Δ	▲	▲		▲	▲	▲
RS229.0540.32	4	0.2	5°	229030 • 229040				▲				Δ	Δ	▲		▲	▲	Δ
L229.5300.31	3	0.2	5°	229020 • 229030	▲			▲					▲			▲	▲	▲
LS229.0530.32	3	0.2	5°	229020 • 229030				▲				Δ	Δ	▲		▲	▲	▲
LS229.0540.32	4	0.2	5°	229030 • 229040								Δ	Δ	▲		▲	▲	Δ
S229.0300.32	3	0.2	-	229020 • 229030	▲	Δ	▲	▲	▲	▲	▲	Δ	▲	▲	▲	▲	▲	▲
S229.0400.32	4	0.2	-	229030 • 229040	Δ	Δ	▲	▲	▲	▲	▲	Δ	▲	▲		▲	▲	▲
P					o	●	●	●	●	●	●	●	●	●	●	●	●	●
M					-	-	-	-	o	●	●	●	-	●	-	●	-	●
K					-	-	●	-	●	-	-	●	-	●	-	●	-	●
N					-	-	●	-	●	-	-	●	-	●	-	●	-	●
S					-	-	-	-	o	-	o	●	-	●	-	●	-	●
H					-	-	-	-	-	-	-	-	-	-	-	-	-	-

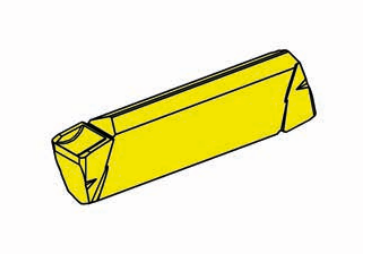
R/L229.5300.31**精密磨削**, 长度30.0mm
R/L229.5300.31 precision ground, length 30,0 mm

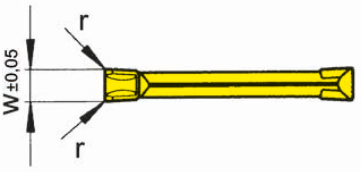
U

S229









硬质合金牌号
Carbide grades

▲ 库存
on stock

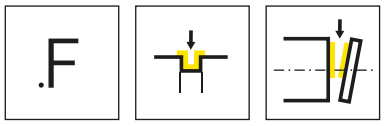
Δ 4周
4 weeks

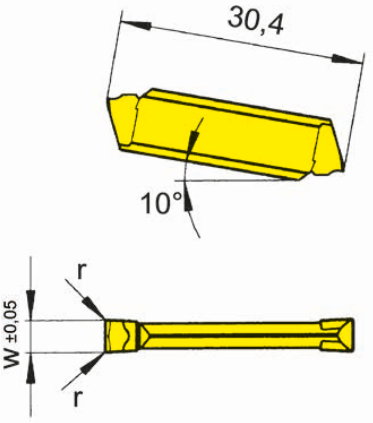
产品型号 Part number	w	r	HIS		AS62	TC92	TF45	TF46	TI25
S229.0300.E2	3	0.2	229020 • 229030		▲		▲	▲	▲
S229.0300.E4	3	0.4	229020 • 229030		▲	Δ	▲		
S229.0400.E2	4	0.2	229030 • 229040		▲	Δ	▲	Δ	▲
S229.0400.E4	4	0.4	229030 • 229040		▲	Δ	▲		
				P	●	●	●	●	●
				M	-	-	●	o	●
				K	-	-	●	●	●
				N	-	-	●	●	●
				S	-	-	●	o	●
				H	-	-	-	-	-

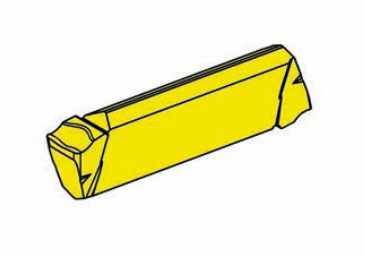
U

可转位刀片
Indexable insert

S229







硬质合金牌号
Carbide grades

▲ 库存
on stock

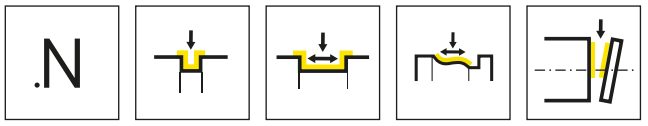
Δ 4周
4 weeks

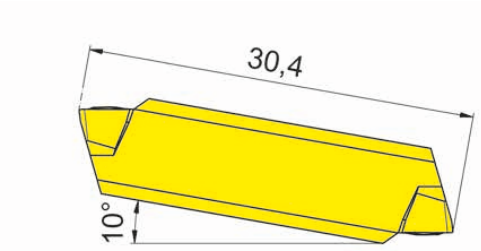
产品型号 Part number	w	r	HIS		TC92	TF43	TF45	TF46	TI22	TI25
S229.0300.F2	3	0.2	229020 • 229030		Δ	▲	▲	▲	▲	Δ
S229.0300.F4	3	0.4	229020 • 229030		Δ		▲	Δ		Δ
S229.0400.F2	4	0.2	229030 • 229040		Δ	Δ	▲	Δ		Δ
S229.0400.F4	4	0.4	229030 • 229040		Δ		▲	Δ		Δ
				P	●	●	●	●	●	●
				M	-	-	●	o	-	●
				K	-	-	●	●	-	●
				N	-	-	●	●	-	●
				S	-	-	●	o	-	●
				H	-	-	-	-	-	-

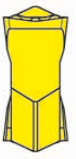
U

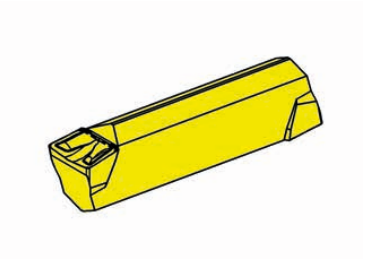
可转位刀片
Indexable insert

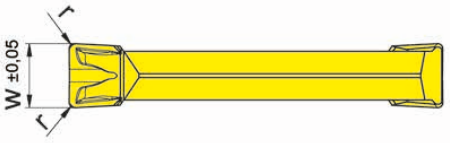
S229











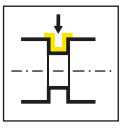
硬质合金牌号
Carbide grades

▲ 库存 on stock　　Δ 4周 4 weeks

产品型号 Part number	w	r	HIS	AS45	AS62	DD25	IG66	TI25
S229.0300.N2.G	3	0.2	229020 • 229030	▲			▲	
S229.0300.N4.G	3	0.4	229020 • 229030	▲			▲	
S229.0400.N2.G	4	0.2	229030 • 229040	▲			▲	
S229.0400.N4.G	4	0.4	229030 • 229040	▲			▲	
S229.0500.N2.G	5	0.2	229040				▲	▲
S229.0500.N4.G	5	0.4	229040	▲	▲		▲	Δ
S229.0500.N6.G	5	0.6	229040	Δ	▲		▲	Δ
S229.0500.N8.G	5	0.8	229040		▲		▲	
P				●	●	-	●	●
M				●	-	-	●	●
K				●	-	-	-	●
N				o	-	●	-	●
S				●	-	o	o	●
H				-	-	-	-	-

U

刀杆
Toolholder
H264



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可转位刀片
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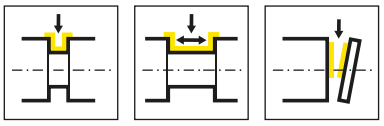
U

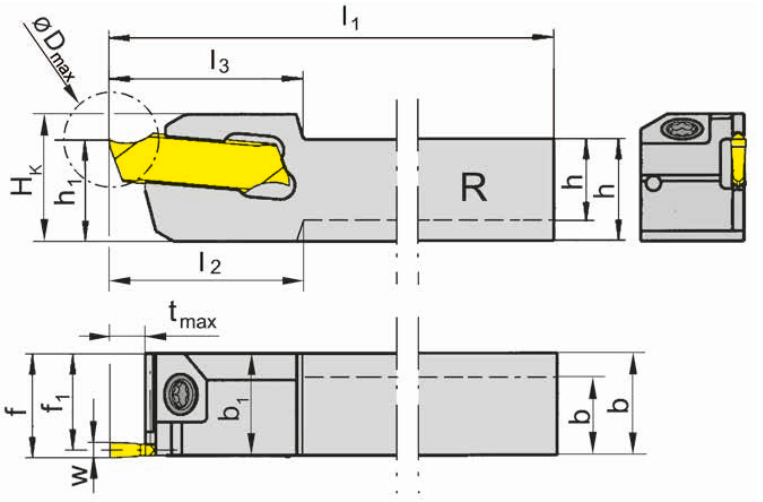
刀杆和刀片

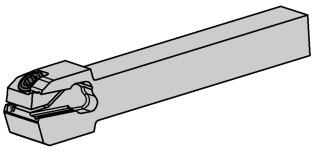
槽宽1.5 - 3 mm

Toolholder and Inserts

Width of groove 1,5 - 3 mm







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

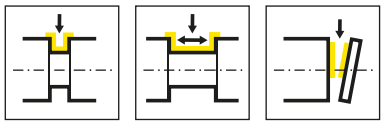
产品型号 Part number	h	b	l_1	l_2	l_3	h_1	b_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH264.0808.01	8	8	120	17.5	17.5	8	10	9.25	10	4	22	12.5	26401
RH264.1010.01	10	10	120	-	17.5	10	-	9.25	10	4	22	12.5	26401
RH264.1212.01	12	12	120	-	17.5	12	-	11.25	12	4	22	14.5	26401
RH264.1616.01	16	16	120	-	17.5	16	-	15.25	16	4	32	18.5	26401
RH264.1010.11	10	10	120	-	19	10	-	9.25	10	10	20	12.5	26401
RH264.1212.11	12	12	120	-	19	12	-	11.25	12	10	20	14.5	26401
RH264.1616.11	16	16	120	-	19	16	-	15.25	16	10	32	18.5	26401
RH264.1212.21	12	12	120	-	22	12	-	11.25	12	13	26	15.5	26401
RH264.1616.21	16	16	120	-	22	16	-	15.25	16	13	32	19.5	26401
LH264.0808.01	8	10	120	17.5	17.5	8	10	9.25	10	4	22	12.5	26401
LH264.1010.01	10	10	120	-	17.5	10	-	9.25	10	4	22	12.5	26401
LH264.1212.01	12	12	120	-	17.5	12	-	11.25	12	4	22	14.5	26401
LH264.1616.01	16	16	120	-	17.5	16	-	15.25	16	4	32	18.5	26401
LH264.1010.11	10	10	120	-	19	10	-	9.25	10	10	20	12.5	26401
LH264.1212.11	12	12	120	-	19	12	-	11.25	12	10	20	14.5	26401
LH264.1616.11	16	16	120	-	19	16	-	15.25	16	10	32	18.5	26401
LH264.1212.21	12	12	120	-	22	12	-	11.25	12	13	26	15.5	26401
LH264.1616.21	16	16	120	-	22	16	-	15.25	16	13	32	19.5	26401

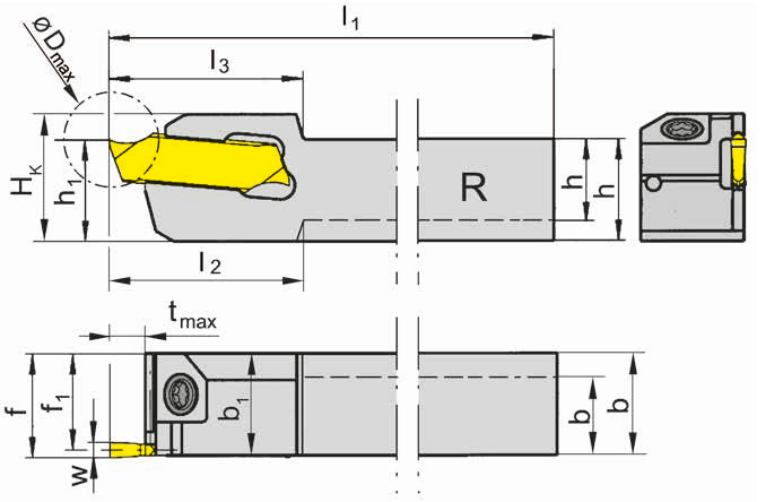
w见刀片
w see indexable inserts

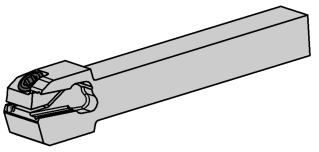
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH264...	**3.5.12T10EP**	**T10PL**

H264







R=右手型-如图
R = right hand version shown

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L = left hand version

产品型号 Part number	h	b	l_1	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH264.1010.02	10	10	120	17.5	10	9	10	4	32	12.5	26402
RH264.1212.02	12	12	120	17.5	12	11	12	4	32	14.5	26402
RH264.1616.02	16	16	120	17.5	16	15	16	4	32	18.5	26402
RH264.1010.12	10	10	120	19	10	9	10	10	32	12.5	26402
RH264.1212.12	12	12	120	19	12	11	12	10	32	14.5	26402
RH264.1616.12	16	16	120	19	16	15	16	10	32	18.5	26402
RH264.1212.22	12	12	120	25	12	11	12	16	32	14.5	26402
RH264.1616.22	16	16	120	25	16	15	16	16	32	19.5	26402
LH264.1010.02	10	10	120	17.5	10	9	10	4	32	12.5	26402
LH264.1212.02	12	12	120	17.5	12	11	12	4	32	14.5	26402
LH264.1616.02	16	16	120	17.5	16	15	16	4	32	18.5	26402
LH264.1010.12	10	10	120	19	10	9	10	10	32	12.5	26402
LH264.1212.12	12	12	120	19	12	11	12	10	32	14.5	26402
LH264.1616.12	16	16	120	19	16	15	16	10	32	18.5	26402
LH264.1212.22	12	12	120	25	12	11	12	16	32	14.5	26402
LH264.1616.22	16	16	120	25	16	15	16	16	32	19.5	26402

w见刀片
w see indexable inserts

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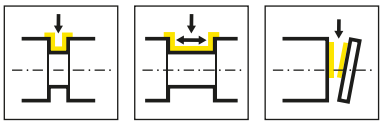
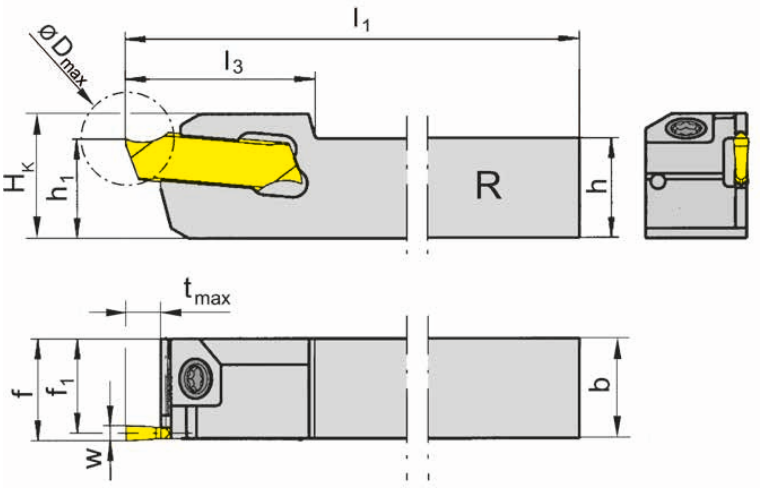
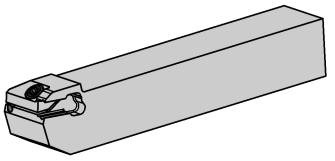
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH264...	**3.5.12T10EP**	**T10PL**







R=右手型-如图
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L = left hand version

产品型号 Part number	h	b	l_1	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH264.1212.03	12	12	120	17.5	12	10.75	12	4	32	14.5	26403
RH264.1616.03	16	16	120	17.5	16	14.75	16	4	32	18.5	26403
RH264.1212.13	12	12	120	19	12	10.75	12	10	32	14.5	26403
RH264.1616.13	16	16	120	19	16	14.75	16	10	32	18.5	26403
RH264.1212.23	12	12	120	25	12	10.75	12	16	32	14.5	26403
RH264.1616.23	16	16	120	25	16	14.75	16	16	32	18.5	26403
LH264.1616.03	16	16	120	17.5	16	14.75	16	4	32	18.5	26403
LH264.1212.13	12	12	120	19	12	10.75	12	10	32	14.5	26403
LH264.1616.13	16	16	120	19	16	14.75	16	10	32	18.5	26403
LH264.1212.23	12	12	120	25	12	10.75	12	16	32	14.5	26403
LH264.1616.23	16	16	120	25	16	14.75	16	16	32	18.5	26403

w见刀片
w see indexable inserts

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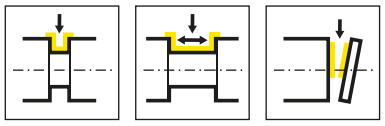
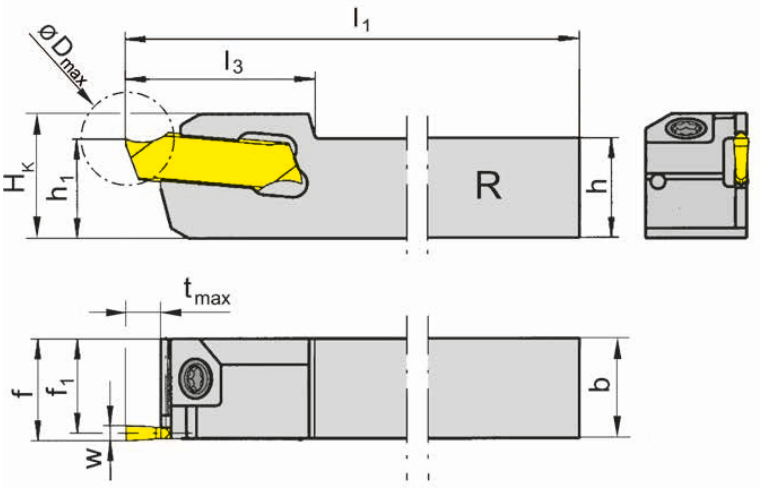
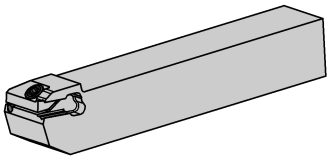
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH264...	**3.5.12T10EP**	**T10PL**

H264







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH264.1212.04	12	12	120	17.5	12	10.5	12	5	32	15	26404
RH264.1616.04	16	16	120	17.5	16	14.5	16	5	32	19	26404
RH264.1212.14	12	12	120	19	12	10.5	12	10	32	15	26404
RH264.1616.14	16	16	120	19	16	14.5	16	10	32	19	26404
RH264.1212.24	12	12	120	25	12	10.5	12	16	32	15	26404
RH264.1616.24	16	16	120	25	16	14.5	16	16	32	19	26404
LH264.1212.04	12	12	120	17.5	12	10.5	12	5	32	15	26404
LH264.1616.04	16	16	120	17.5	16	14.5	16	5	32	19	26404
LH264.1212.14	12	12	120	19	12	10.5	12	10	32	15	26404
LH264.1616.14	16	16	120	19	16	14.5	16	10	32	19	26404
LH264.1212.24	12	12	120	25	12	10.5	12	16	32	15	26404
LH264.1616.24	16	16	120	25	16	14.5	16	16	32	19	26404

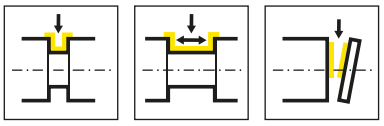
w见刀片
w see indexable inserts

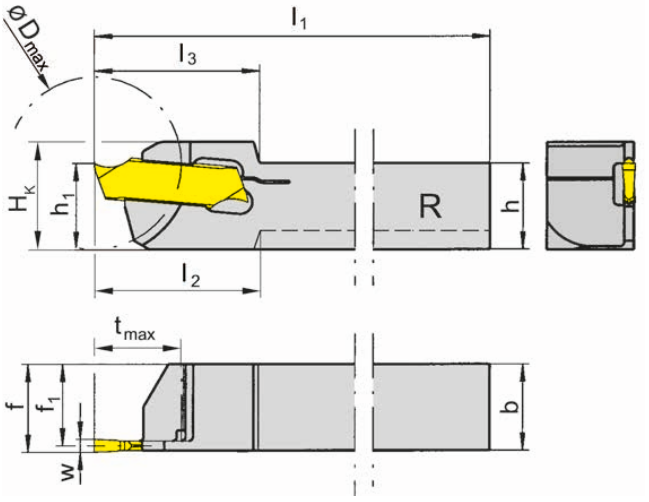
U

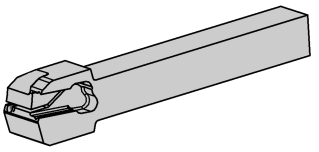
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH264...	**3.5.12T10EP**	**T10PL**

H264







R=右手型-如图
R = right hand version shown

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L = left hand version

产品型号 Part number	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH264.0808.51	8	8	120	18	18	10	7.25	8	7	20	12.5	26401
RH264.1010.61	10	10	120	-	19	10	9.25	10	10	20	12.5	26401
RH264.1010.62	10	10	120	-	19	10	9	10	10	20	12.5	26402
RH264.1212.62	12	12	120	-	19	12	11	12	10	20	14.5	26402
RH264.1212.63	12	12	120	-	19	12	10.75	12	10	32	14.5	26403
LH264.0808.51	8	8	120	18	18	10	7.25	8	7	20	12.5	26401
LH264.1010.61	10	10	120	-	19	10	9.25	10	10	20	12.5	26401
LH264.1010.62	10	10	120	-	19	10	9	10	10	20	12.5	26402
LH264.1212.62	12	12	120	-	19	12	11	12	10	20	14.5	26402
LH264.1212.63	12	12	120	-	19	12	10.75	12	10	32	14.5	26403
LH264.1212.64	12	12	120	-	19	12	10.5	12	10	32	14.5	26404

w见刀片
w see indexable inserts

扳手P39L不包含在刀板中，需单独订购！
Wrench P39L is not combined with toolholder - separate order required!

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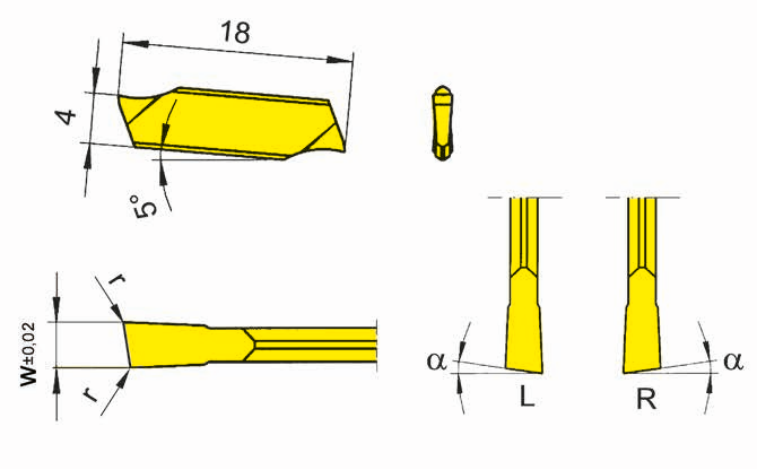

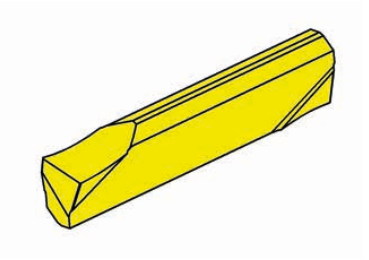

R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	α	HIS		MG12	TH35	TI25	TN35
R264.0815.10	1.5	0.05	8°	26401		▲	Δ	Δ	▲
R264.1515.10	1.5	0.05	15°	26401		▲	Δ		▲
R264.0820.10	2	0.05	8°	26402		▲	Δ		▲
R264.1520.10	2	0.05	15°	26402		▲	Δ		▲
R264.0825.10	2.5	0.1	8°	26403		Δ	Δ		▲
R264.1525.10	2.5	0.1	15°	26403		Δ	Δ		▲
R264.0830.10	3	0.1	8°	26404		Δ	Δ		Δ
R264.1530.10	3	0.1	15°	26404		Δ	Δ		▲
L264.0815.10	1.5	0.05	8°	26401		Δ	Δ	Δ	▲
L264.1515.10	1.5	0.05	15°	26401		Δ	Δ		▲
L264.0820.10	2	0.05	8°	26402		Δ	Δ		▲
L264.1520.10	2	0.05	15°	26402		Δ	Δ		▲
L264.0825.10	2.5	0.1	8°	26403		Δ	Δ		Δ
L264.1525.10	2.5	0.1	15°	26403		Δ	Δ		Δ
L264.0830.10	3	0.1	8°	26404		Δ	Δ		Δ
L264.1530.10	3	0.1	15°	26404		Δ	Δ		▲
					P	o	●	●	●
					M	-	●	●	●
					K	-	●	●	●
					N	-	●	●	●
					S	-	●	●	●
					H	-	-	-	-

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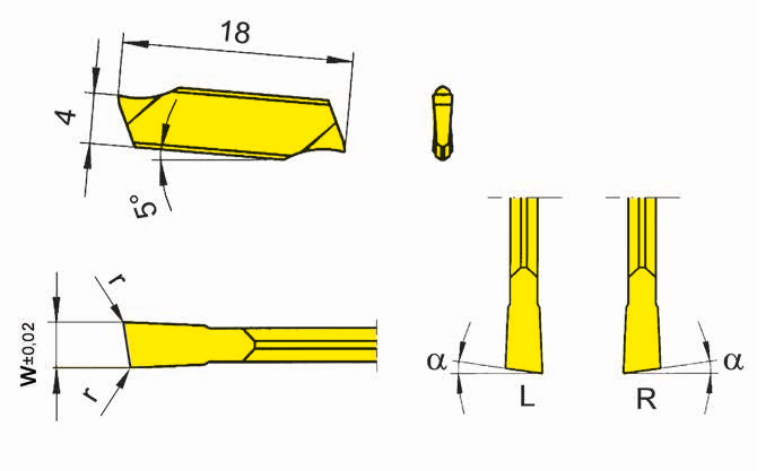

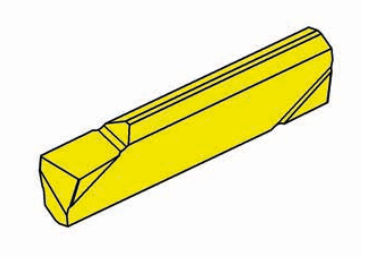

R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	α	HIS	MG12	TH35	TN35
R264.0815.M0	1.5	0.05	8°	26401	Δ	Δ	▲
R264.1515.M0	1.5	0.05	15°	26401	▲	Δ	▲
R264.0820.M0	2	0.05	8°	26402	Δ	Δ	▲
R264.1520.M0	2	0.05	15°	26402	Δ	Δ	Δ
R264.0825.M0	2.5	0.1	8°	26403	Δ	Δ	Δ
R264.1525.M0	2.5	0.1	15°	26403	Δ	Δ	▲
R264.0830.M0	3	0.1	8°	26404	Δ	Δ	
R264.1530.M0	3	0.1	15°	26404	Δ	Δ	▲
L264.0815.M0	1.5	0.05	8°	26401	▲	Δ	▲
L264.1515.M0	1.5	0.05	15°	26401	▲	Δ	Δ
L264.0820.M0	2	0.05	8°	26402		Δ	Δ
L264.1520.M0	2	0.05	15°	26402	Δ	Δ	Δ
L264.0825.M0	2.5	0.1	8°	26403	Δ	Δ	Δ
L264.1525.M0	2.5	0.1	15°	26403	Δ		Δ
L264.0830.M0	3	0.1	8°	26404	Δ	Δ	
L264.1530.M0	3	0.1	15°	26404	Δ	Δ	Δ

P	o	●	●
M	-	●	●
K	-	●	●
N	-	●	●
S	-	●	●
H	-	-	-

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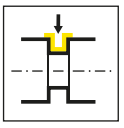
切断
Parting Off

刀杆
Toolholder
H274/H274...E



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可转位刀片
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S274/S274...E

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694-695

技术信息
Technical Instructions

页/Page
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274

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刀杆和刀片

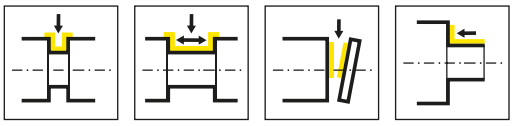
槽宽0.5 - 3 mm

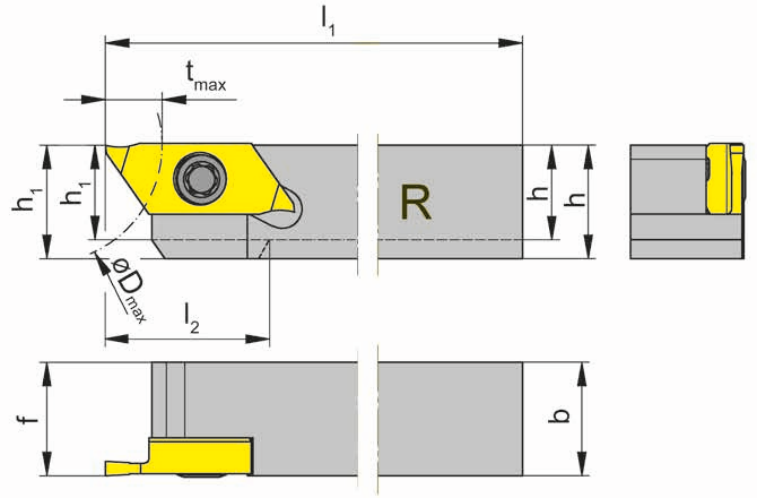
Toolholder and Inserts

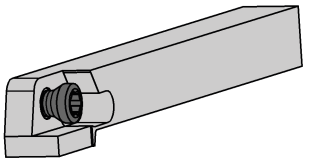
Width of groove 0,5 - 3 mm

刀杆
Toolholder

H274







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	h_1	f	t_{max}	D_{max}	HWS
RH274.0808.04	8	8	100	16	8	8	6	25	274040R
RH274.1010.04	10	10	100	-	10	10	6	25	274040R
RH274.1212.04	12	12	100	-	12	12	6	25	274040R
RH274.1414.04	14	14	100	-	14	14	6	25	274040R
RH274.1616.04	16	16	125	-	16	16	6	25	274040R
RH274.2020.04	20	20	125	-	20	20	6	25	274040R
LH274.0808.04	8	8	100	16	8	8	6	25	274040L
LH274.1010.04	10	10	100	-	10	10	6	25	274040L
LH274.1212.04	12	12	100	-	12	12	6	25	274040L
LH274.1414.04	14	14	100	-	14	14	6	25	274040L
LH274.1616.04	16	16	125	-	16	16	6	25	274040L
LH274.2020.04	20	20	125	-	20	20	6	25	274040L

U

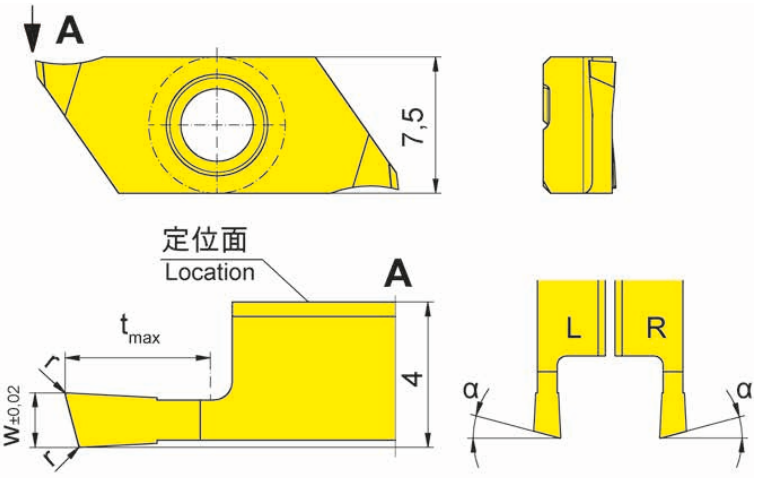
配件
Spare Parts

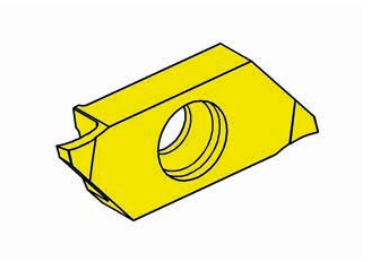
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH274.0808.04	**030.350P.0744**	**T15PQ**
R/LH274...	**030.3509.T15P**	**T15PQ**

可转位刀片
Indexable insert

S274

.10





R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

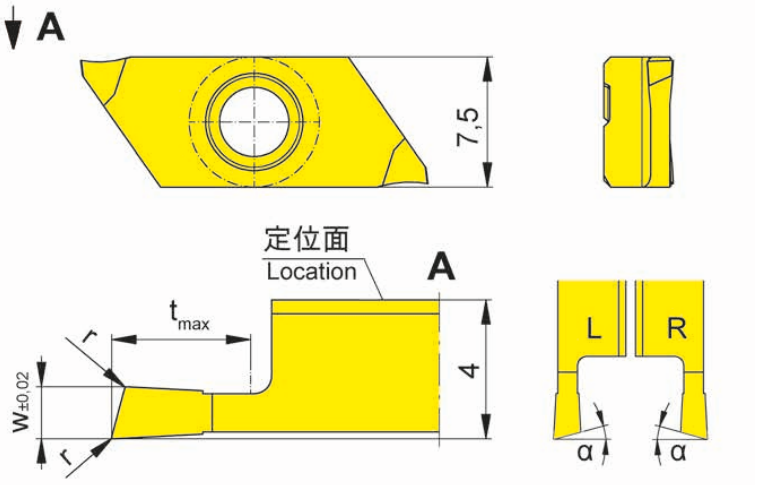
产品型号 Part number	w	r	t_{max}	α	HIS	IG35	TH35
RS274.1508.03.10	0.8	0.05	3	15°	274040R	▲	▲
RS274.1510.03.10	1	0.05	3	15°	274040R	▲	▲
RS274.1515.04.10	1.5	0.05	4	15°	274040R	▲	▲
RS274.1520.06.10	2	0.05	6	15°	274040R	▲	▲
LS274.1508.03.10	0.8	0.05	3	15°	274040L	▲	▲
LS274.1510.03.10	1	0.05	3	15°	274040L	▲	▲
LS274.1515.04.10	1.5	0.05	4	15°	274040L	▲	▲
LS274.1520.06.10	2	0.05	6	15°	274040L	▲	▲

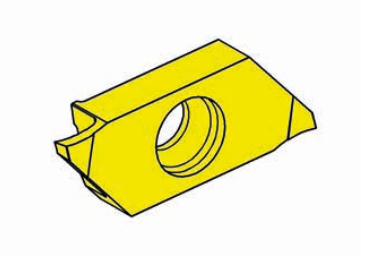
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

U

.10





R=右手型-如图
R = right hand version shown

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L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

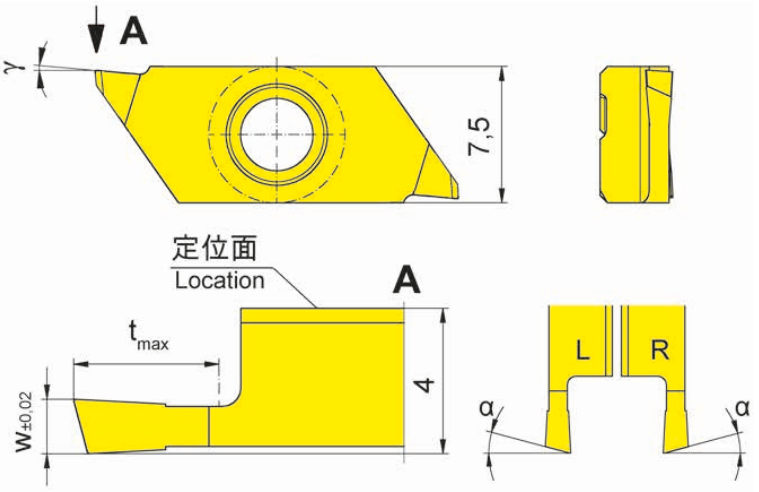
产品型号 Part number	w	r	t_{max}	α	HIS	IG35	TH35
RS274.1508.03.10L	0.8	0.05	3	15°	274040R	Δ	Δ
RS274.1510.03.10L	1	0.05	3	15°	274040R	Δ	Δ
RS274.1515.04.10L	1.5	0.05	4	15°	274040R	Δ	Δ
RS274.1520.06.10L	2	0.05	6	15°	274040R	Δ	▲
LS274.1508.03.10R	0.8	0.05	3	15°	274040L	▲	▲
LS274.1510.03.10R	1	0.05	3	15°	274040L	▲	▲
LS274.1515.04.10R	1.5	0.05	4	15°	274040L	▲	▲
LS274.1520.06.10R	2	0.05	6	15°	274040L	▲	▲

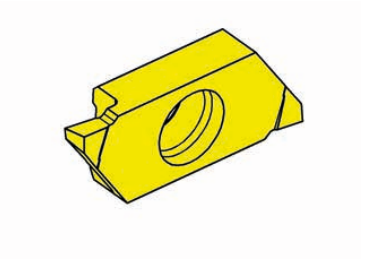
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

U

.20





R=右手型-如图
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L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

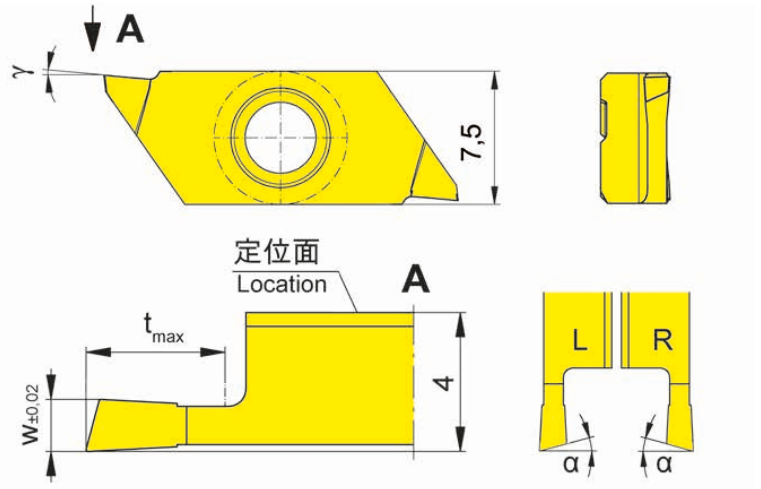
产品型号 Part number	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1515.04.20	1.5	4	15°	5°	274040R	Δ	Δ
RS274.1520.06.20	2	6	15°	5°	274040R	Δ	Δ
LS274.1515.04.20	1.5	4	15°	5°	274040L	Δ	Δ
LS274.1520.06.20	2	6	15°	5°	274040L	Δ	Δ

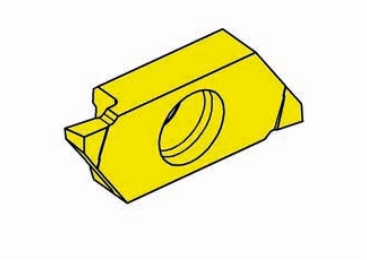
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

U

.20





R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1520.06.20L	2	6	15°	5°	274040R	Δ	Δ
LS274.1515.04.20R	1.5	4	15°	5°	274040L	Δ	Δ
LS274.1520.06.20R	2	6	15°	5°	274040L	Δ	Δ

只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

U

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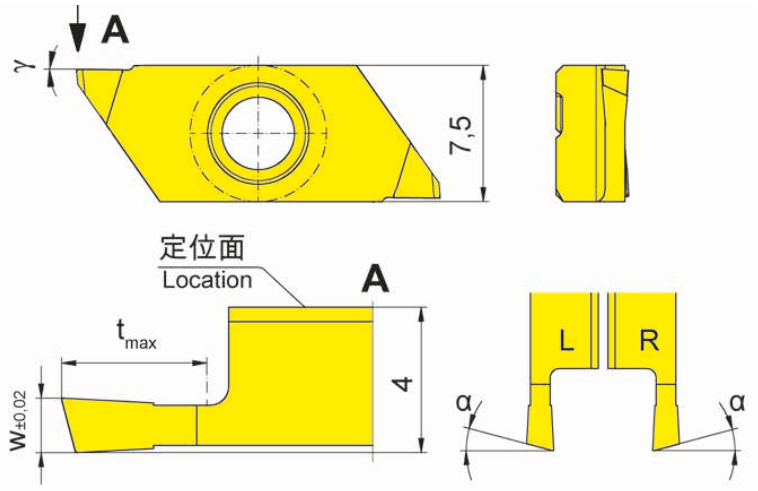

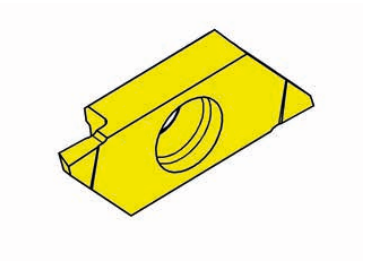

R=右手型-如图
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L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

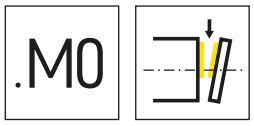
Δ 4周
4 weeks

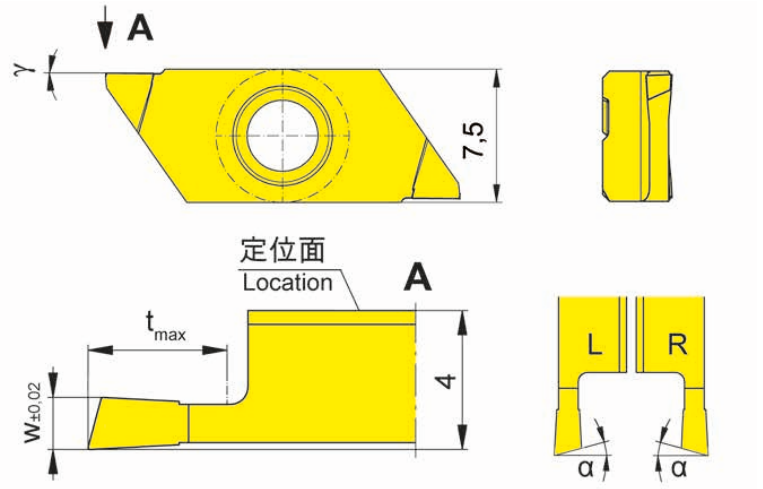
产品型号 Part number	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1508.03.M0	0.8	3	15°	0°	274040R	Δ	Δ
RS274.1510.03.M0	1	3	15°	0°	274040R	Δ	▲
RS274.1515.04.M0	1.5	4	15°	0°	274040R	Δ	Δ
RS274.1520.06.M0	2	6	15°	0°	274040R	Δ	Δ
LS274.1508.03.M0	0.8	3	15°	0°	274040L	Δ	Δ
LS274.1510.03.M0	1	3	15°	0°	274040L	Δ	Δ
LS274.1515.04.M0	1.5	4	15°	0°	274040L	Δ	Δ
LS274.1520.06.M0	2	6	15°	0°	274040L	Δ	Δ

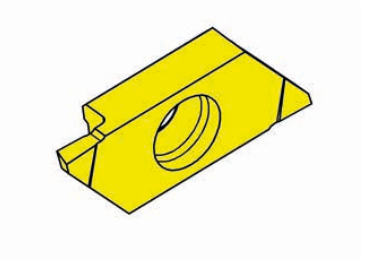
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

U







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

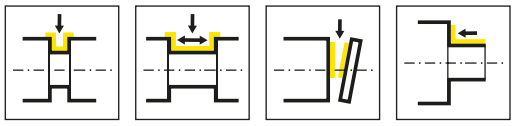
产品型号 Part number	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1510.03.M0L	1	3	15°	0°	274040R	Δ	
RS274.1515.04.M0L	1.5	4	15°	0°	274040R	Δ	Δ
RS274.1520.06.M0L	2	6	15°	0°	274040R	Δ	Δ
LS274.1508.03.M0R	0.8	3	15°	0°	274040L	Δ	▲
LS274.1510.03.M0R	1	3	15°	0°	274040L	Δ	Δ
LS274.1515.04.M0R	1.5	4	15°	0°	274040L	Δ	Δ
LS274.1520.06.M0R	2	6	15°	0°	274040L	Δ	Δ

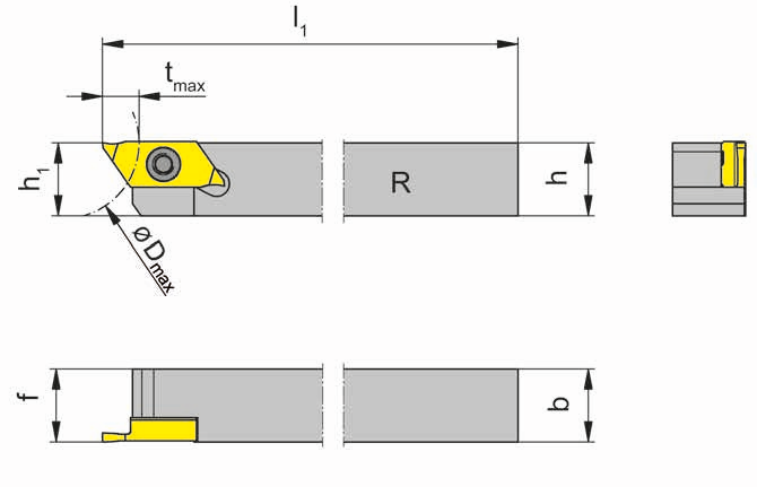
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

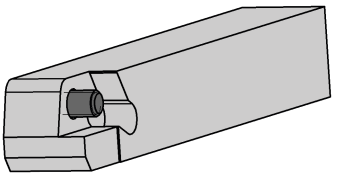
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

U

H274...E







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	h_1	f	t_{max}	D_{max}	HWS
RH274.1010.04.E	10	10	100	10	10	6	25	274140R
RH274.1212.04.E	12	12	100	12	12	6	25	274140R
RH274.1616.04.E	16	16	125	16	16	6	25	274140R
RH274.2020.04.E	20	20	125	20	20	6	25	274140R
LH274.1010.04.E	10	10	100	10	10	6	25	274140L
LH274.1212.04.E	12	12	100	12	12	6	25	274140L
LH274.1616.04.E	16	16	125	16	16	6	25	274140L
LH274.2020.04.E	20	20	125	20	20	6	25	274140L

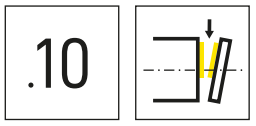
螺丝的扭矩规格，详见技术说明。
For torque specification of the screw, please see Technical Instructions.

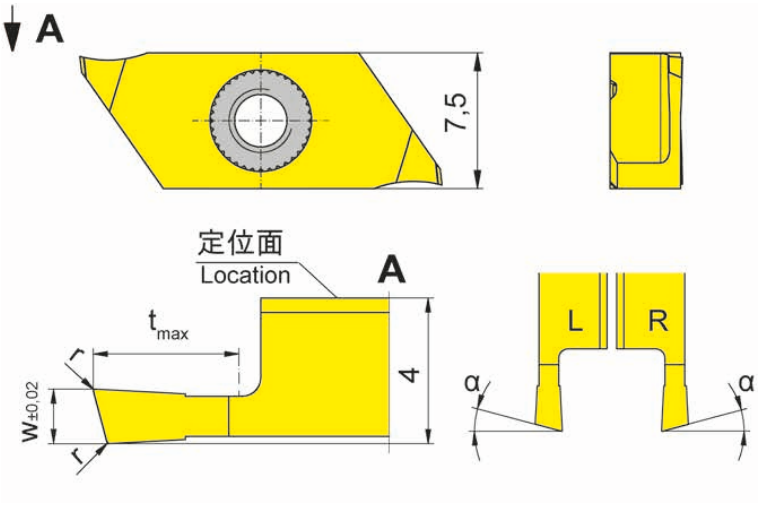
U

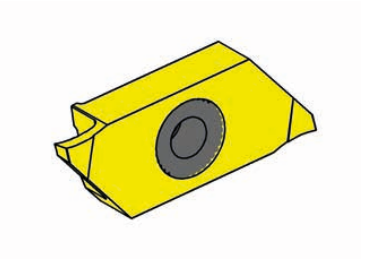
配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/LH274...	**030.3509.T15P**	**T15PQ**

S274...E







R=右手型-如图
R = right hand version shown

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L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	t_{max}	α	HIS	IG35	TH35
RS274.1508.03.10.E	0.8	0.05	3	15°	274140R	Δ	Δ
RS274.1510.03.10.E	1	0.05	3	15°	274140R	Δ	Δ
RS274.1515.04.10.E	1.5	0.05	4	15°	274140R	Δ	Δ
RS274.1520.06.10.E	2	0.05	6	15°	274140R	Δ	Δ
LS274.1508.03.10.E	0.8	0.05	3	15°	274140L	Δ	Δ
LS274.1510.03.10.E	1	0.05	3	15°	274140L	Δ	Δ
LS274.1515.04.10.E	1.5	0.05	4	15°	274140L	Δ	
LS274.1520.06.10.E	2	0.05	6	15°	274140L	Δ	Δ

只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

U

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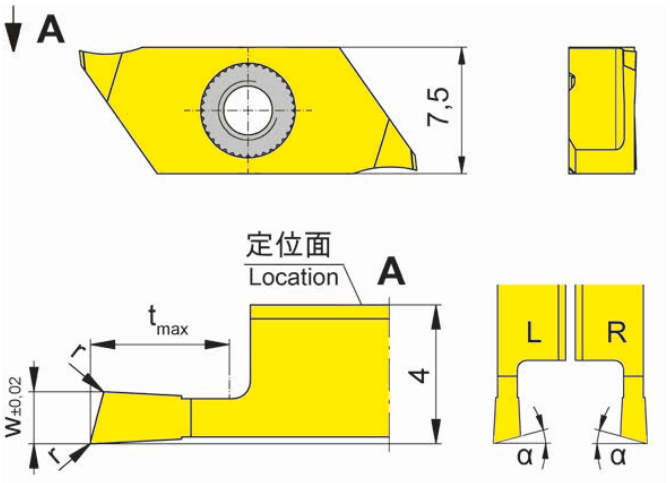

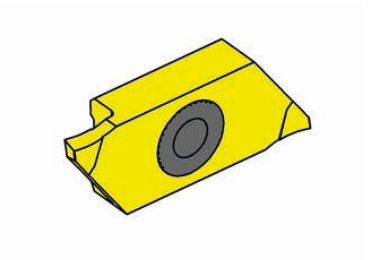

R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	t_{max}	α	HIS	IG35	TH35
RS274.1508.03.1L.E	0.8	0.05	3	15°	274140R	Δ	Δ
RS274.1510.03.1L.E	1	0.05	3	15°	274140R	Δ	Δ
RS274.1515.04.1L.E	1.5	0.05	4	15°	274140R	Δ	Δ
RS274.1520.06.1L.E	2	0.05	6	15°	274140R	Δ	Δ
LS274.1508.03.1R.E	0.8	0.05	3	15°	274140L	Δ	Δ
LS274.1510.03.1R.E	1	0.05	3	15°	274140L	Δ	Δ
LS274.1520.06.1R.E	2	0.05	6	15°	274140L	Δ	Δ

只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

U

S274...E

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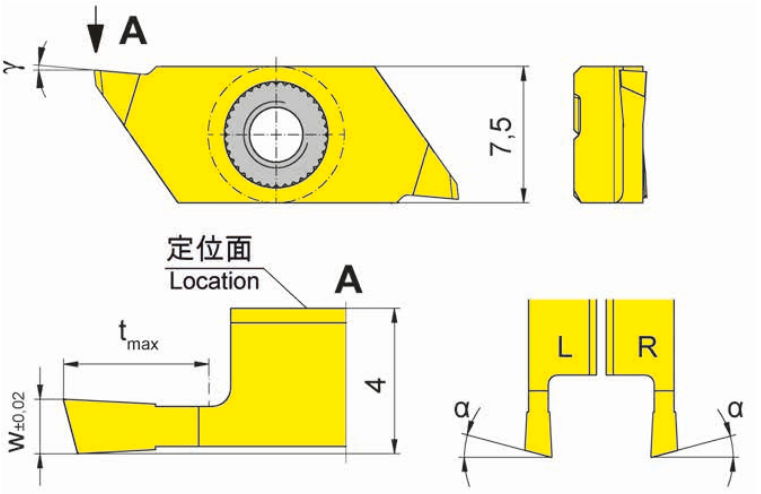
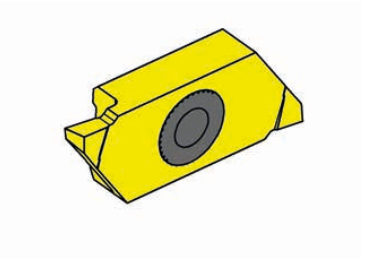




R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

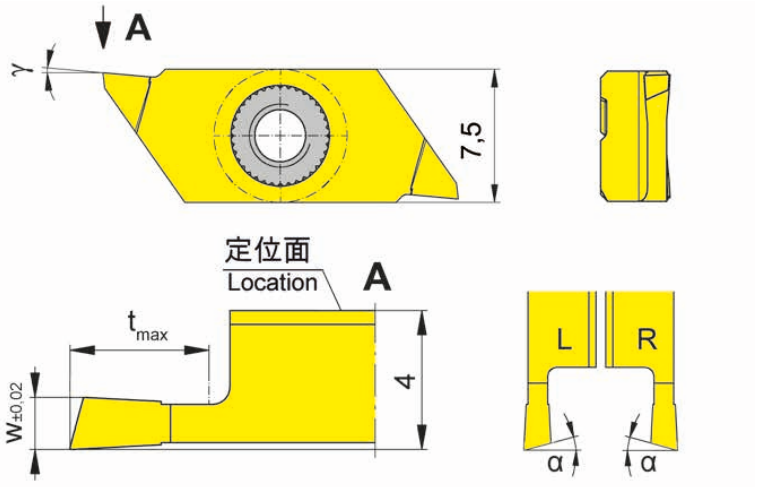
产品型号 Part number	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1515.04.20.E	1.5	4	15°	5°	274140R	Δ	Δ
RS274.1520.06.20.E	2	6	15°	5°	274140R	Δ	
LS274.1515.04.20.E	1.5	4	15°	5°	274140L	Δ	Δ
LS274.1520.06.20.E	2	6	15°	5°	274140L	Δ	Δ

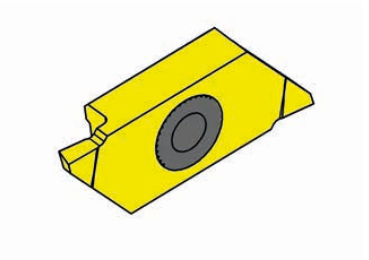
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

U

.20





R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

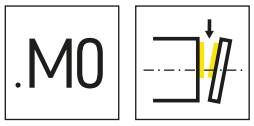
Δ 4周
4 weeks

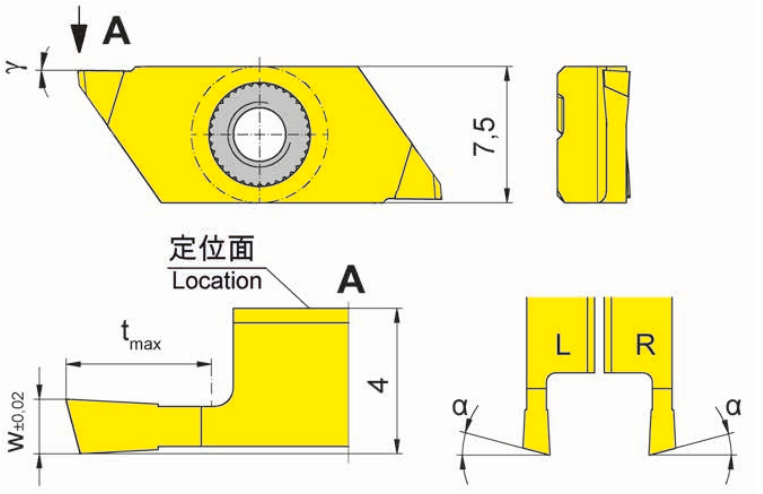
产品型号 Part number	w	t_{max}	α	γ	HIS		IG35	TH35
RS274.1515.04.2L.E	1.5	4	15°	5°	274140R		Δ	Δ
RS274.1520.06.2L.E	2	6	15°	5°	274140R		Δ	Δ
LS274.1515.04.2R.E	1.5	4	15°	5°	274140L		Δ	Δ
LS274.1520.06.2R.E	2	6	15°	5°	274140L		Δ	Δ
						P	-	●
						M	●	●
						K	-	●
						N	-	●
						S	●	●
						H	-	-

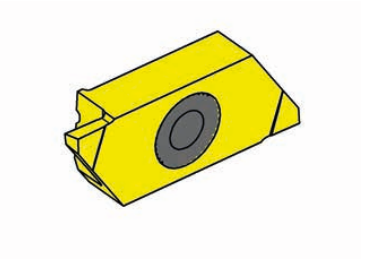
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

U

S274...E







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

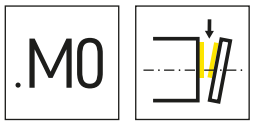
产品型号 Part number	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1508.03.M0.E	0.8	3	15°	0°	274140R	Δ	Δ
RS274.1510.03.M0.E	1	3	15°	0°	274140R	Δ	Δ
RS274.1515.04.M0.E	1.5	4	15°	0°	274140R	Δ	Δ
RS274.1520.06.M0.E	2	6	15°	0°	274140R	Δ	Δ
LS274.1508.03.M0.E	0.8	3	15°	0°	274140L	Δ	Δ
LS274.1510.03.M0.E	1	3	15°	0°	274140L	Δ	Δ
LS274.1515.04.M0.E	1.5	4	15°	0°	274140L	Δ	Δ
LS274.1520.06.M0.E	2	6	15°	0°	274140L	Δ	Δ

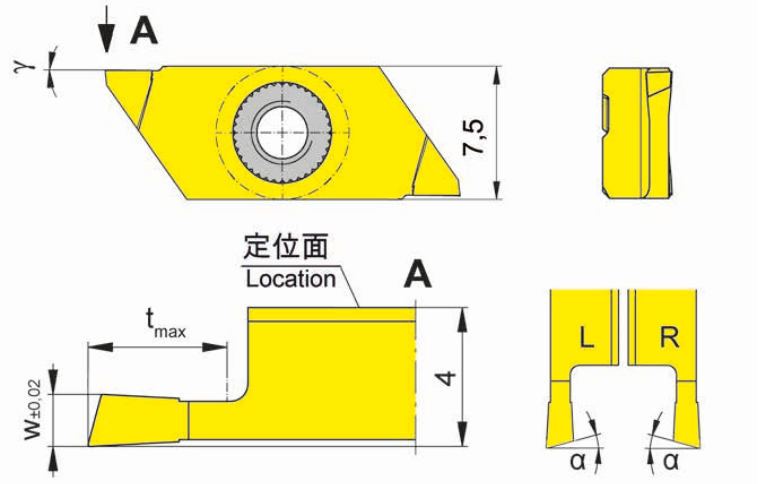
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

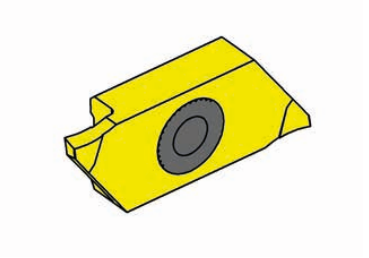
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

U

S274...E







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1508.03.ML.E	0.8	3	15°	0°	274140R		Δ
RS274.1510.03.ML.E	1	3	15°	0°	274140R		Δ
RS274.1515.04.ML.E	1.5	4	15°	0°	274140R		Δ
RS274.1520.06.ML.E	2	6	15°	0°	274140R		Δ
LS274.1508.03.MR.E	0.8	3	15°	0°	274140L	Δ	
LS274.1510.03.MR.E	1	3	15°	0°	274140L	Δ	Δ
LS274.1515.04.MR.E	1.5	4	15°	0°	274140L		Δ
LS274.1520.06.MR.E	2	6	15°	0°	274140L	Δ	Δ

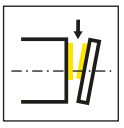
只有当零件Ø≤25mm时才能达到最大切深tmax 6mm。
tmax 6 mm can be reached only with workpiece Ø ≤ 25 mm.

P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

U

切槽和切断
Grooving and Parting Off

刀杆
Toolholder
368/391



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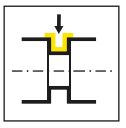
698-699



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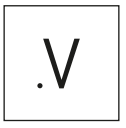
700

可转位刀片
Indexable insert
312/S312

页/Page
701



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702

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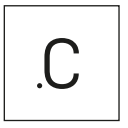
703



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704-705

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706

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707

技术信息
Technical Instructions

页/Page
713

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312

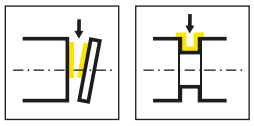
U

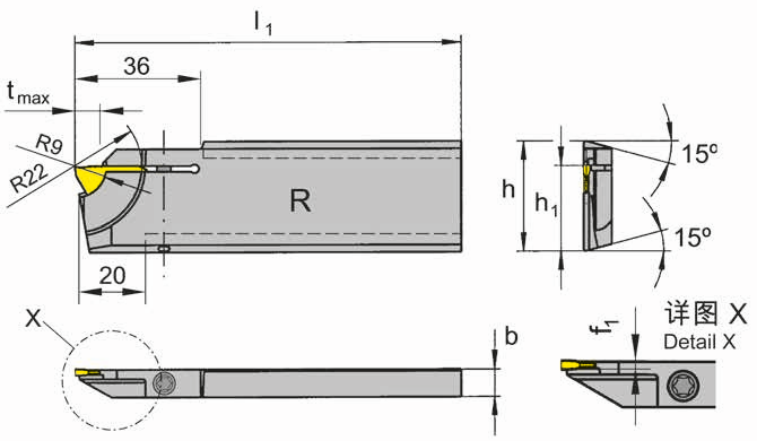
刀杆和刀片

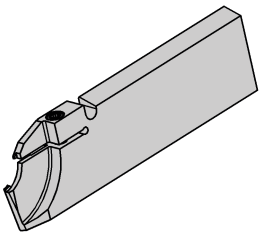
槽宽0.5 - 3 mm

Toolholder and Inserts

Width of groove 0,5 - 3 mm







R=右手型-如图
R = right hand version shown

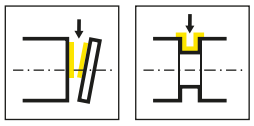
L=左手型
L = left hand version

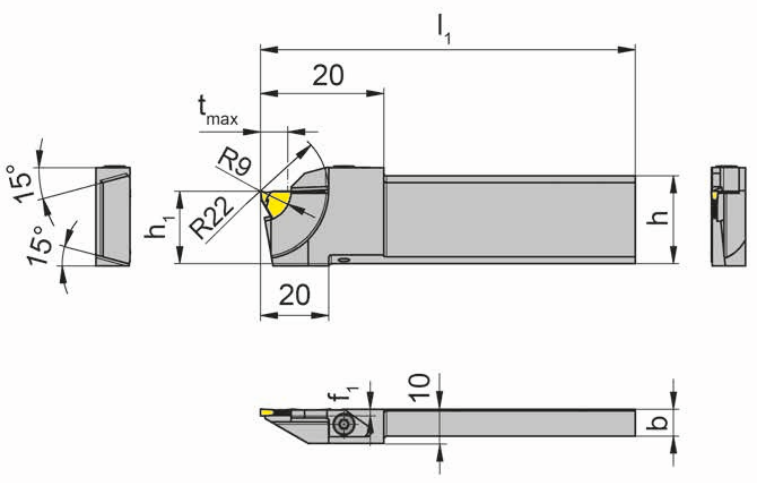
产品型号 Part number	h	b	l_1	h_1	f_1	t_{max}	HWS
R368.2608.08	26	8	110	21.4	1	8	31208N
R368.3208.08	32	8	110	24.8	1	8	31208N
R368.2608.11	26	8	110	21.4	1.3	8	31211N
R368.3208.11	32	8	110	24.8	1.3	8	31211N
L368.2608.08	26	8	110	21.4	1	8	31208N
L368.3208.08	32	8	110	24.8	1	8	31208N
L368.2608.11	26	8	110	21.4	1.3	8	31211N
L368.3208.11	32	8	110	24.8	1.3	8	31211N

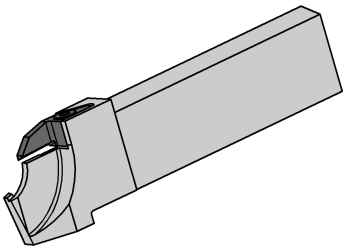
U

配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
R/L368...	**4.15T15P**	**T15PQ**







R=右手型-如图
R = right hand version shown

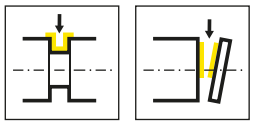
L=左手型
L = left hand version

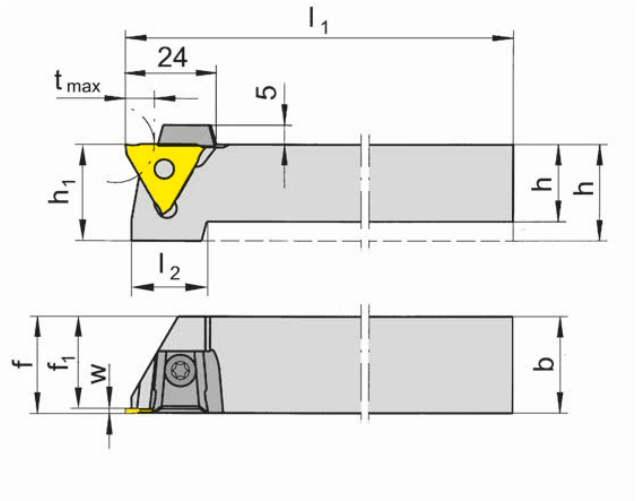
产品型号 Part number	l_1	h_1	HWS
R368.2608.10.01	110	21.2	31208N
L368.2608.10.01	110	21.2	31208N

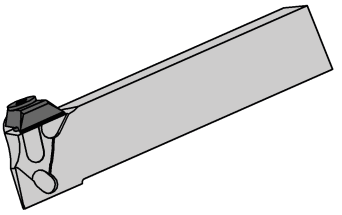
U

配件
Spare Parts

刀杆 Toolholder	**压板** Clamping element	**TORX PLUS®扳手** TORX PLUS® Wrench
R/L368.2608.10.01	**010.0004.0536**	**T10PL**







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	l_2	h_1	f_1	f	t_{max}	夹持范围 Clamping range	HWS
R391.1212.01	12	12	100	21	21	10.5	f_1+w-a_1	8	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
R391.1616.01	16	16	125	21	21	14.5	f_1+w-a_1	8	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
R391.2020.01	20	20	125	21	21	18.5	f_1+w-a_1	8	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
R391.2525.01	25	25	150	-	25	23.8	f_1+w-a_1	8	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
L391.1212.01	12	12	100	21	21	10.5	f_1+w-a_1	8	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
L391.1616.01	16	16	125	21	21	14.5	f_1+w-a_1	8	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
L391.2020.01	20	20	125	21	21	18.5	f_1+w-a_1	8	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N
L391.2525.01	25	25	150	-	25	23.8	f_1+w-a_1	8	0.5-1.9	31201N • 31201R • 31201L • 31208N • 31211N

w,a1见刀片
w, a1 see indexable inserts

只有当工件直径Ø≤20mm时才能达到tmax
tmax can be reached only with workpiece Ø ≤ 20 mm

U

配件
Spare Parts

刀杆 Toolholder	压板 Clamping element	TORX PLUS®扳手 TORX PLUS® Wrench
R/L391.1212.01	**12.3**	**T10PL**
R/L391.1616.01	**14.4**	**T15PQ**
R/L391....	**16.4**	

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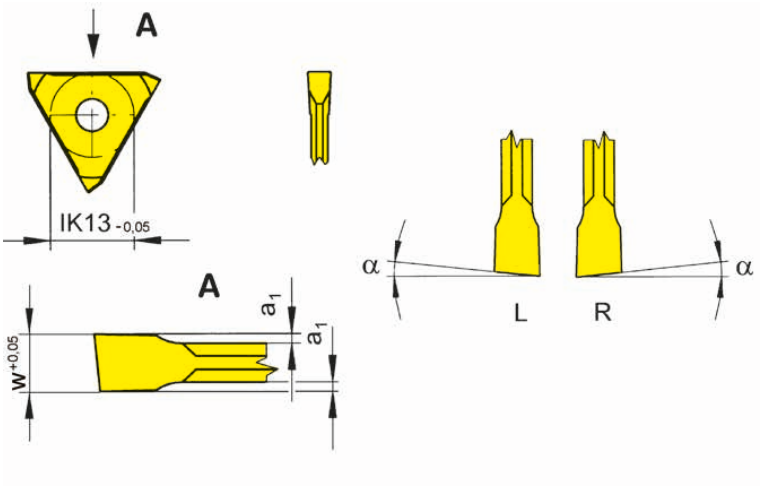
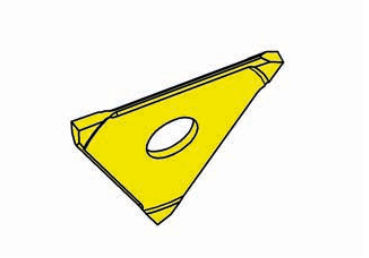




R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

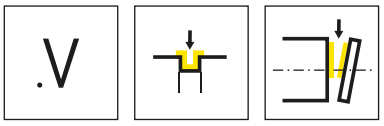
硬质合金牌号
Carbide grades

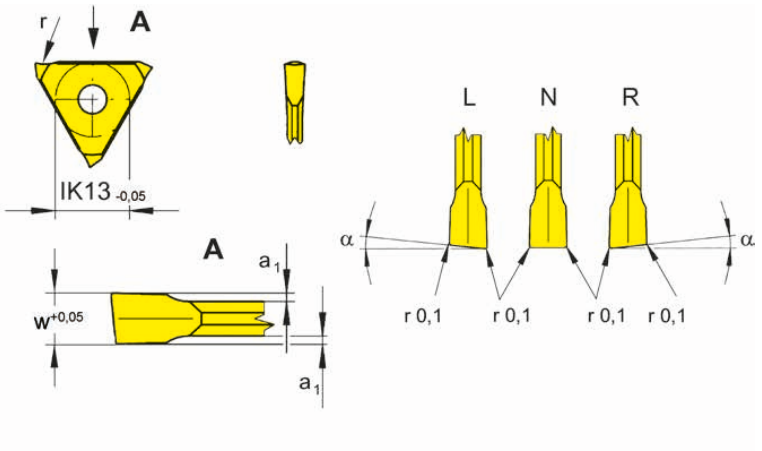
▲ 库存
on stock

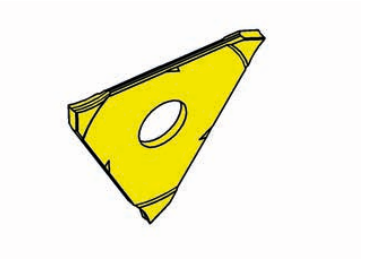
Δ 4周
4 weeks

产品型号 Part number	w	t_{max}	α	a_1	HIS		K10	EG35	TF45
R312.0512.M0	1.2	8	5°	0.2	31208N		Δ	▲	▲
R312.0515.M0	1.5	8	5°	0.2	31211N		▲	▲	▲
L312.0512.M0	1.2	8	5°	0.2	31208N		Δ		▲
L312.0515.M0	1.5	8	5°	0.2	31211N		Δ	Δ	▲
						P	●	●	●
						M	o	●	●
						K	●	o	●
						N	●	-	●
						S	o	-	●
						H	-	-	-

U







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R = right hand version shown

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L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	α	a_1	HIS	EG35	TF45	TH35
R312.0512.V1	1.2	5°	0.2	31208N	▲	▲	
R312.0515.V1	1.5	5°	0.2	31211N	▲	▲	
R312.0520.V2	2	5°	0.2	31201N	▲		▲
L312.0512.V1	1.2	5°	0.2	31208N	▲	▲	
L312.0515.V1	1.5	5°	0.2	31211N	▲	▲	
L312.0520.V2	2	5°	0.2	31201N	▲		▲
312.0012.V1	1.2	0°	0.2	31208N	▲	▲	
312.0015.V1	1.5	0°	0.2	31211N	▲	▲	
P					●	●	●
M					●	●	●
K					o	●	●
N					-	●	●
S					-	●	●
H					-	-	-

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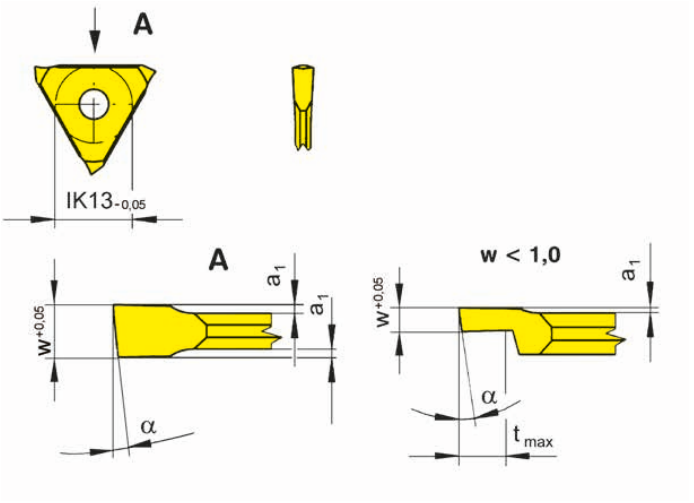

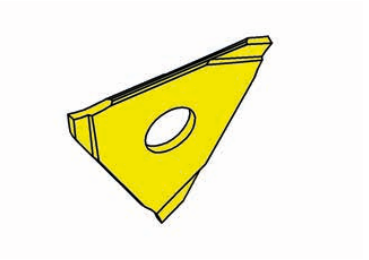

R=右手型-如图
R = right hand version shown

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L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	t_{max}	α	a_1	HIS		EG35	TF45	TF46	TI25	TN35
R312.0805.00	0.5	1	8°	0.1	31208N		▲	▲			
R312.0808.00	0.8	1.5	8°	0.1	31208N		▲	▲			
R312.0510.00	1	8	5°	0.1	31208N		▲	▲			
R312.1210.00	1	8	12°	0.1	31208N		▲	▲		Δ	▲
R312.0512.00	1.2	8	5°	0.2	31208N		▲	▲			
R312.0614.00	1.44	-	6°	0.2	31201N		▲	▲	▲	▲	▲
R312.0515.00	1.5	8	5°	0.2	31211N		▲	▲			
L312.0805.00	0.5	1	8°	0.1	31208N		▲	▲			
L312.0808.00	0.8	1.5	8°	0.1	31208N		▲	▲			
L312.0510.00	1	8	5°	0.1	31208N		▲	▲			
L312.1210.00	1	8	12°	0.1	31208N		▲	▲		Δ	▲
L312.0512.00	1.2	8	5°	0.2	31208N		▲	▲			
L312.0614.00	1.44	-	6°	0.2	31201N		▲	▲	Δ	▲	▲
L312.0515.00	1.5	8	5°	0.2	31211N		▲	▲			
						P	●	●	●	●	●
						M	●	●	o	●	●
						K	o	●	●	●	●
						N	-	●	●	●	●
						S	-	●	o	●	●
						H	-	-	-	-	-

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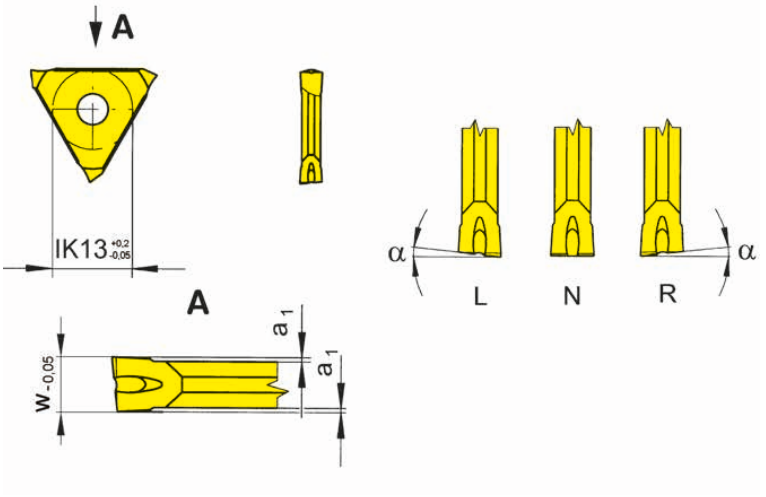
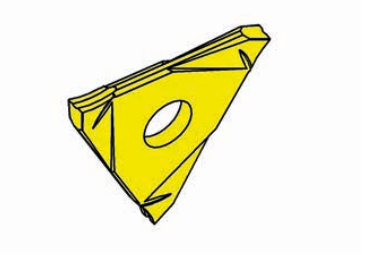




R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

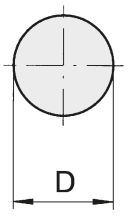
▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	α	a_1	HIS	MG12	P20	EG55	TC92	TF45	TN32	TN35
R312.0514.00	1.44	5°	0.2	31201N • 31202N • 31201L • 31202L		Δ	Δ		▲		
R312.0518.00	1.99	5°	0.2	31202N • 31202L		▲	▲	Δ		▲	▲
R312.0521.00	2.29	5°	0.2	31202N • 31202L	Δ	Δ	▲	Δ		▲	▲
L312.0514.00	1.44	5°	0.2	31201N • 31202N • 31201L • 31202L		Δ	Δ		Δ		
L312.0518.00	1.99	5°	0.2	31202N • 31202L		▲	▲	Δ		▲	▲
L312.0521.00	2.29	5°	0.2	31202N • 31202L	Δ	▲	Δ	Δ		▲	▲
N312.0014.00	1.44	0°	0.2	31202N			▲	Δ	▲		
N312.0018.00	1.99	0°	0.2	31202N			▲	Δ	▲	Δ	Δ
N312.0021.00	2.29	0°	0.2	31202N		Δ		Δ			▲
P					o	●	●	●	●	●	●
M					-	-	o	-	●	-	●
K					-	-	o	-	●	-	●
N					-	-	-	-	●	-	●
S					-	-	-	-	●	-	●
H					-	-	-	-	-	-	-

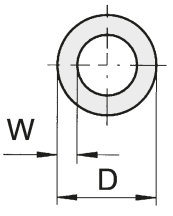
外圆加工：
360系列刀杆右手型刀片配合右手型刀杆，左手型刀片配合左手型刀杆
External machining:
for Toolholder type 360 use right hand inserts in left hand toolholders and left hand inserts in right hand toolholders

实心棒料切断
Parting off solid bars



D 以内可达/up to 11 mm

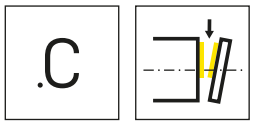
管材切断
Parting off tubes

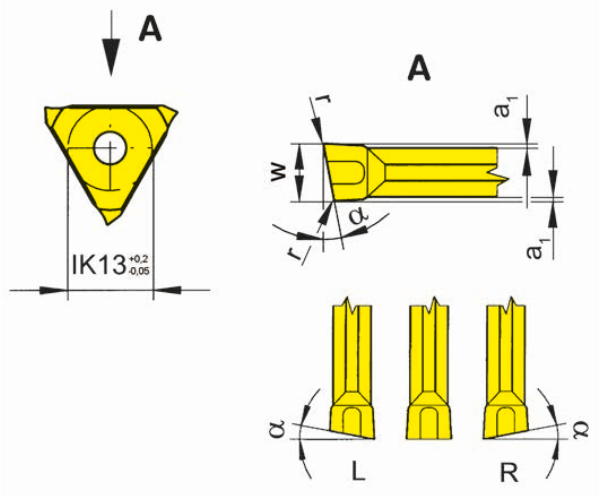


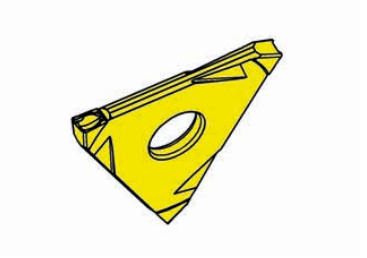
D ≥50 以内可达/up to W≈5 mm
D≤ 50 以内可达/up to W≈4 mm

可转位刀片
Indexable insert

S312







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

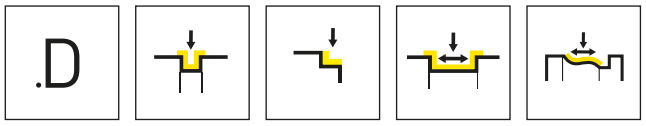
Δ 4周
4 weeks

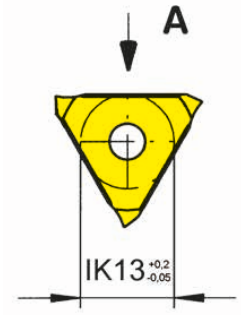
产品型号 Part number	w	r	α	a_1	HIS	EG55	TF46	TI25
RS312.0520.C2	2	0.2	5°	0.25	31202N	▲	▲	▲
RS312.0525.C2	2.5	0.2	5°	0.25	31202N	Δ	▲	▲
RS312.0530.C2	3	0.2	5°	0.25	31203N	Δ	Δ	▲
LS312.0520.C2	2	0.2	5°	0.25	31202N	▲	Δ	▲
LS312.0525.C2	2.5	0.2	5°	0.25	31202N		Δ	▲
LS312.0530.C2	3	0.2	5°	0.25	31203N	Δ		Δ
S312.0200.C2	2	0.2	0°	0.25	31202N	▲	▲	▲
S312.0250.C2	2.5	0.2	0°	0.25	31202N	▲	Δ	▲
S312.0300.C2	3	0.2	0°	0.25	31203N	Δ	Δ	Δ

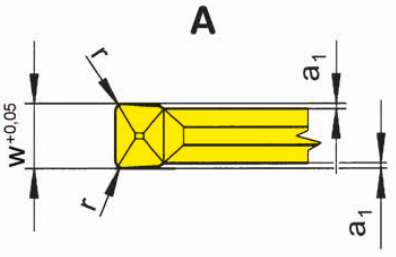
P	●	●	●
M	o	o	●
K	o	●	●
N	-	●	●
S	-	o	●
H	-	-	-

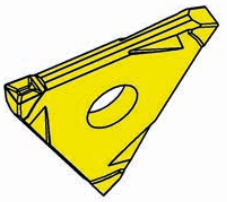
U

S312







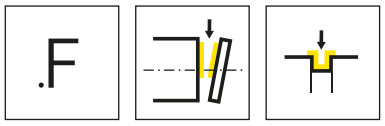


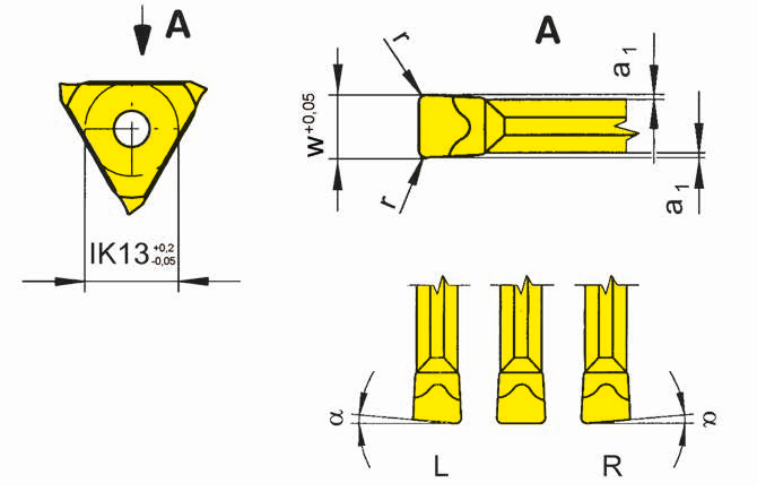
硬质合金牌号
Carbide grades

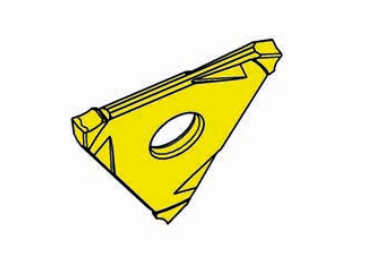
▲ 库存 on stock　　Δ 4周 4 weeks

产品型号 Part number	w	r	a_1	HIS		AL96	AS62	AS66	EG56	TC92	TF45	TF46	TI25	TN32
S312.0200.D2	2	0.2	0.25	31202N		Δ	▲	▲	▲	Δ	Δ	▲	▲	▲
S312.0200.D4	2	0.4	0.25	31202N		Δ	▲	▲	▲	Δ	Δ	Δ	▲	
S312.0250.D2	2.5	0.2	0.25	31202N		Δ	▲	▲	▲	▲	▲	▲	▲	▲
S312.0250.D4	2.5	0.4	0.25	31202N		Δ	▲	▲	▲	▲	▲	▲	▲	▲
S312.0300.D2	3	0.2	0.25	31203N		Δ	Δ	▲	▲	Δ	▲	▲	▲	▲
S312.0300.D4	3	0.4	0.25	31203N		Δ	▲	▲	▲	Δ	Δ	Δ	Δ	
					P	●	●	●	●	●	●	●	●	●
					M	-	-	o	o	-	●	o	●	-
					K	●	-	●	o	-	●	●	●	-
					N	●	-	●	-	-	●	●	●	-
					S	-	-	o	-	-	●	o	●	-
					H	-	-	-	-	-	-	-	-	-

U







R=右手型
R = right hand version

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

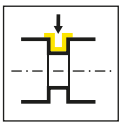
Δ 4周
4 weeks

产品型号 Part number	w	r	α	a_1	HIS	AL96	EG56	TC92	TF45	TF46	TI25
RS312.0520.F2	2	0.2	5°	0.25	31202N		Δ			▲	▲
RS312.0525.F2	2.5	0.2	5°	0.25	31202N		▲			▲	▲
LS312.0520.F2	2	0.2	5°	0.25	31202N		Δ			Δ	▲
LS312.0525.F2	2.5	0.2	5°	0.25	31202N		Δ				▲
S312.0200.F2	2	0.2	0°	0.25	31202N	Δ	▲	Δ	Δ	▲	▲
S312.0250.F2	2.5	0.2	0°	0.25	31202N	Δ	Δ	Δ	Δ	▲	▲
P						●	●	●	●	●	●
M						-	o	-	●	o	●
K						●	o	-	●	●	●
N						●	-	-	●	●	●
S						-	-	-	●	o	●
H						-	-	-	-	-	-

U

切断
Parting Off

刀杆
Toolholder
H316



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可转位刀片
Indexable insert
S316

.EN

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.FY

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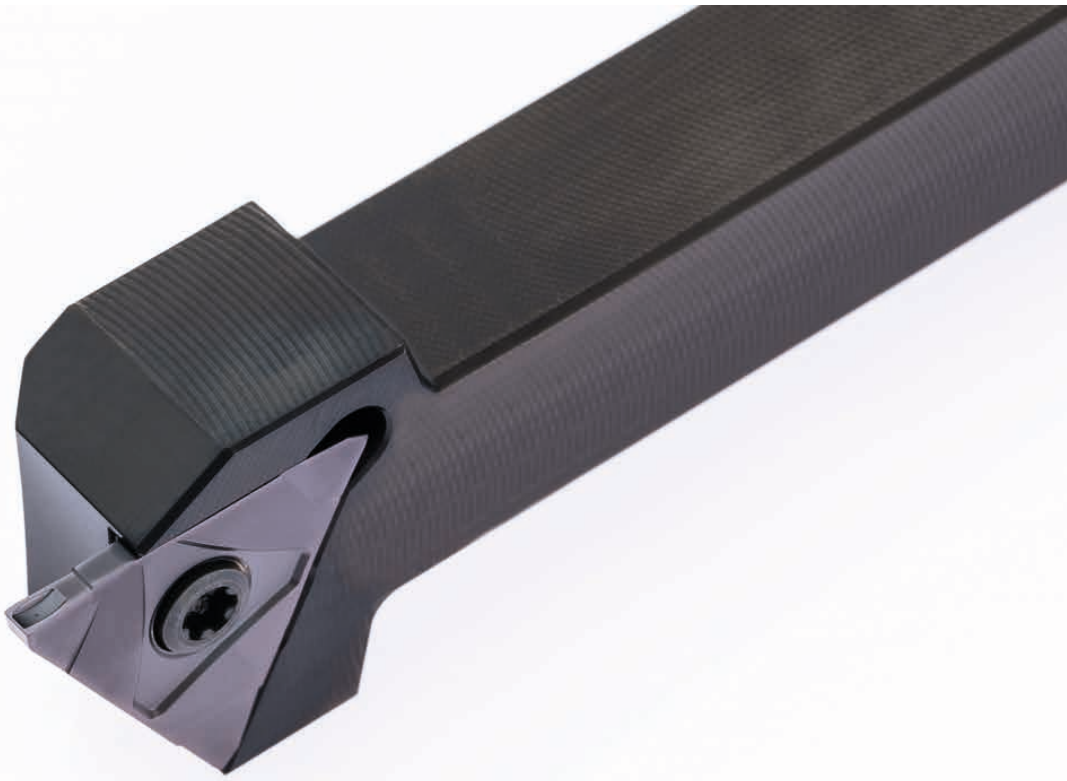
316



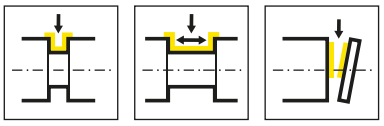
U

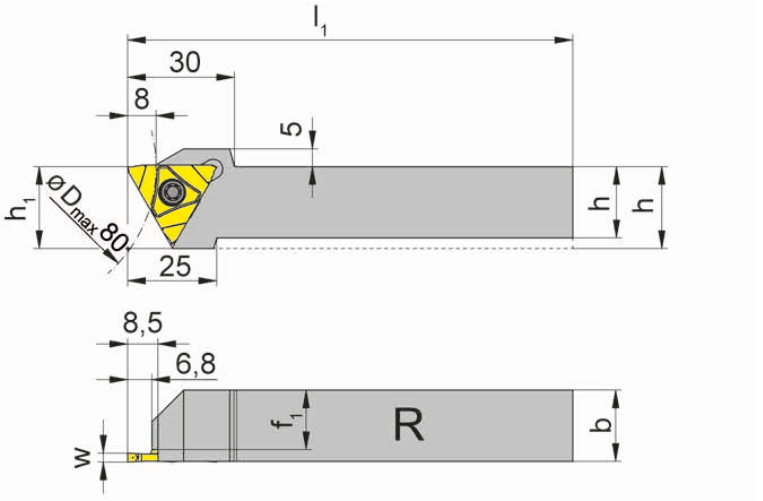
刀杆和刀片

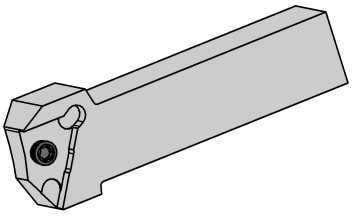
槽宽 2 - 3 mm

Toolholder and Inserts

Width of groove 2 - 3 mm







R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

产品型号 Part number	h	b	l_1	h_1	f_1	HWS
RH316.1616.S3.03	16	16	125	23	12.7	S31603R
RH316.2020.S3.03	20	20	125	23	16.7	S31603R
RH316.2525.S3.03	25	25	150	25	21.7	S31603R
RH316.3225.S3.03	32	25	150	32	21.7	S31603R
LH316.1616.S3.03	16	16	125	23	12.7	S31603L
LH316.2020.S3.03	20	20	125	23	16.7	S31603L
LH316.2525.S3.03	25	25	150	25	21.7	S31603L
LH316.3225.S3.03	32	25	150	32	21.7	S31603L

w见刀片
w see indexable inserts

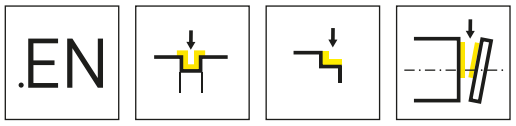
U

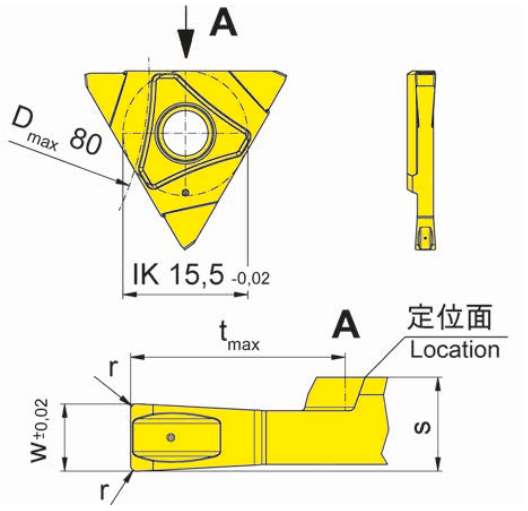
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
R/LH316...	**5.12T20P**	**T20PQ**

可转位刀片
Indexable insert

S316





R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

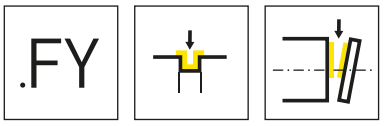
Δ 4周
4 weeks

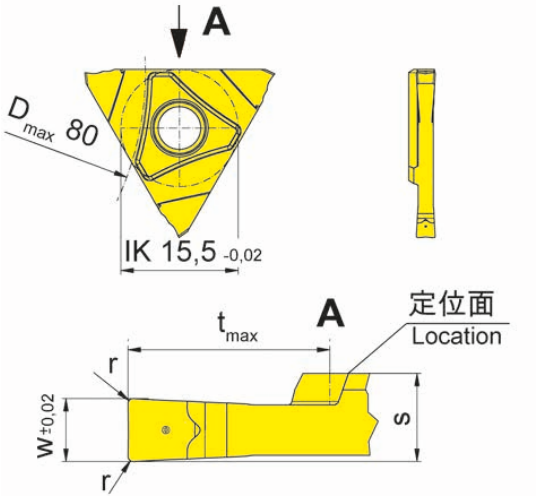
产品型号 Part number	w	r	t_{max}	s	HIS	AS6G
RS316.0200.EN2	2	0.2	8	3.5	S31603R	▲
RS316.0250.EN2	2.5	0.2	8	3.5	S31603R	▲
RS316.0300.EN2	3	0.2	8	3.5	S31603R	Δ
LS316.0200.EN2	2	0.2	8	3.5	S31603L	▲
LS316.0250.EN2	2.5	0.2	8	3.5	S31603L	▲
LS316.0300.EN2	3	0.2	8	3.5	S31603L	▲

P	●
M	●
K	●
N	●
S	●
H	-

外圆加工：
右手刀片配右手刀杆,左手刀片配左手刀杆.
External machining:
Use right hand inserts in right hand toolholders and left hand inserts in left hand toolholders

U





R=右手型-如图
R = right hand version shown

L=左手型
L = left hand version

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	r	t_{max}	s	HIS	TI25
RS316.0150.FY1	1.5	0.1	8	3.3	S31603R	▲
RS316.0200.FY2	2	0.2	8	3.5	S31603R	▲
RS316.0250.FY2	2.5	0.2	8	3.5	S31603R	▲
RS316.0300.FY2	3	0.2	8	3.5	S31603R	▲
LS316.0150.FY1	1.5	0.1	8	3.3	S31603L	▲
LS316.0200.FY2	2	0.2	8	3.5	S31603L	▲
LS316.0250.FY2	2.5	0.2	8	3.5	S31603L	Δ
LS316.0300.FY2	3	0.2	8	3.5	S31603L	Δ

P	●
M	●
K	●
N	●
S	●
H	-

U

方形切削刃的可转位刀片
方形切削刃的刀片是加工中的最佳选择,尽可能的使用该类刀片.
优点:
- 增加刀具寿命
- 更好的切屑控制和表面质量
- 可选择更高的切削参数

Indexable inserts with square cutting edge
The best selection for applications are a square cutting edge, wherever possible to use them.
Advantages:
- increased tool life
- better swarf control and a high surface quality will be obtained
- possibility to choose the maximum cutting data

进给率
使用正切削角时进给率最高可能降低40%,这也会受到零件材质的拉伸强度的影响.

Feed rates
The feed rate when cutting with front cutting angle will need to be reduced up to 40 %. This may also be influenced by the tensile strength of the material to be cut.

切屑控制
通过选择合适的切削速度和进给率以得到最好的切屑控制和表面光洁度.

Swarf control
Best swarf control and highest surface finish will be obtained by choosing the right speed and feed rate.

避免尖角
通过使用左手或右手刀具并调整正确的中心高可以减小尖角和毛刺的发生.

Avoiding Pips
By using right or left handed inserts and the correct centre height occurring of pips and burrs can be reduced.

切断时有副主轴或工件夹具
具有副主轴或夹持夹具可以在切断加工时保护切削刃.如果无夹持的话在切断时要求越接近工件中心进给 越小.

Parting off with a sub spindle or part catcher
The cutting edge will be protected by having a second spindle or fixture to pick up the workpiece. Parting off without a support requires the feed rate to be reduced as the tool approaches centre.

凹或凸曲面
曲面的产生可以通过使用左手或者右手刀具降低进给率避免.

Convex or concave surfaces
Convex or concave surfaces will be avoided when using right or left hand inserts by reducing the feed rate.

冷却
丰富而有目的性的冷却能够延续刀具寿命.

Coolant
A copious well aimed coolant supply will give long tool life.

VDI

VDI接口满足ISO 10889-1
直接冷却液供应

内冷直接作用于切削刃

Adaptor
VDI ISO 10889-1 with internal coolant supply

Direct cutting edge coolant

V

切槽和切断
Grooving and Parting Off

技术信息
Technical Instructions
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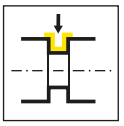
常规刀柄
Basic toolholder
VDI/NASH



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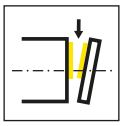

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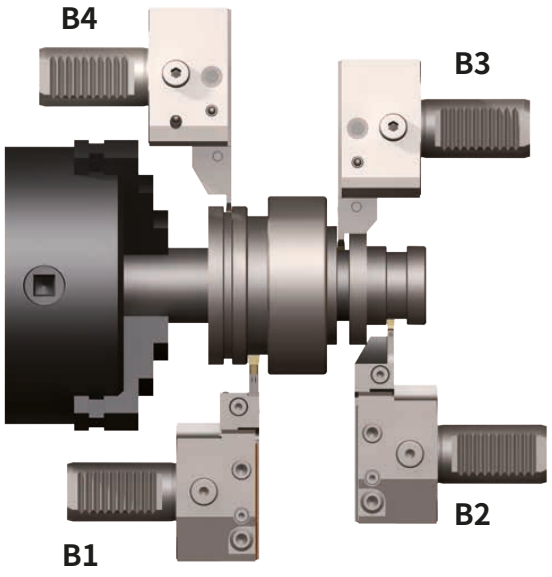
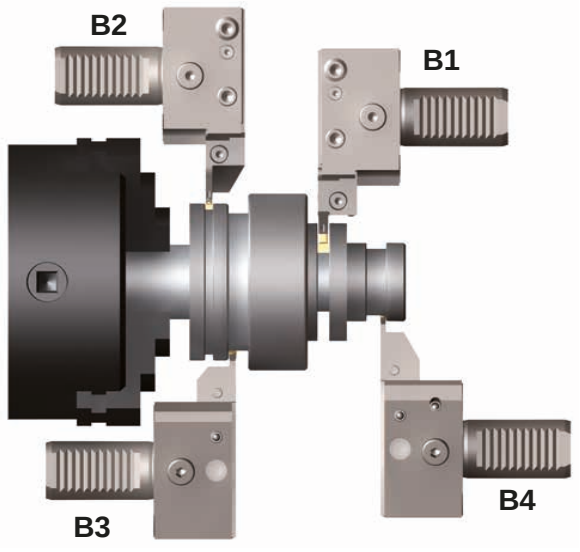
V

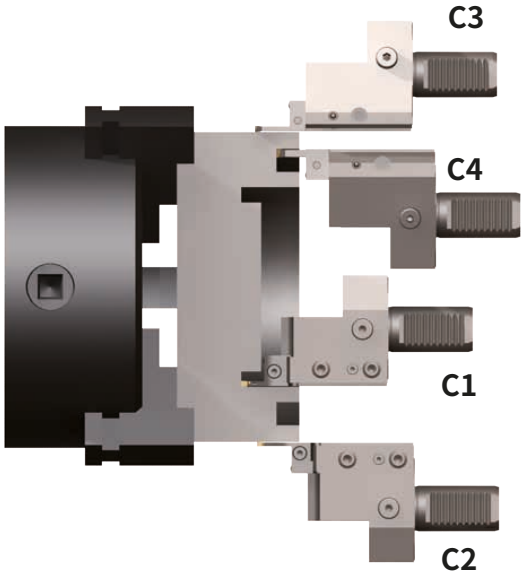
径向右侧安装位置
Installation position radially-right



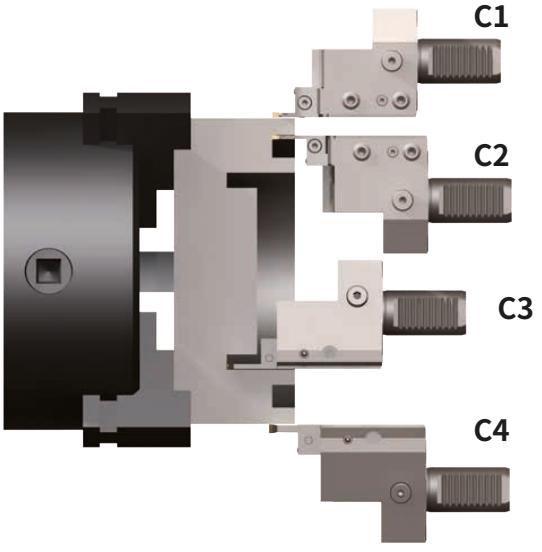
径向左侧安装位置
Installation position radially-left



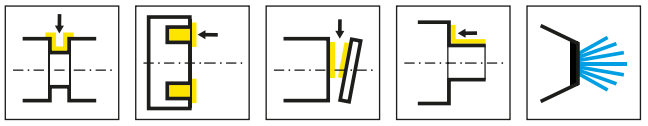
轴向右侧安装位置
Installation position axially-right

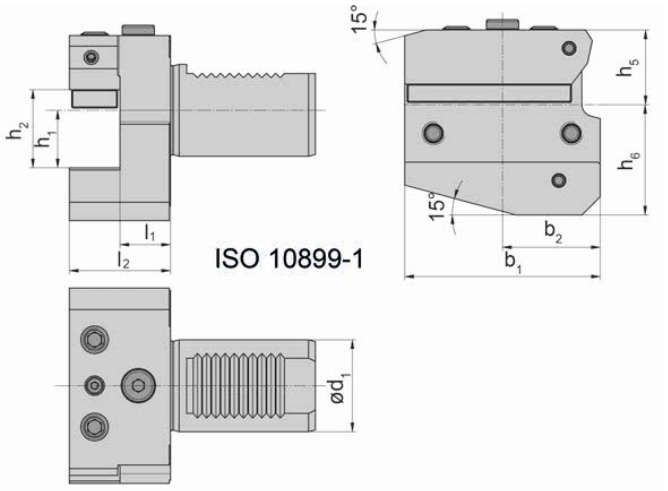


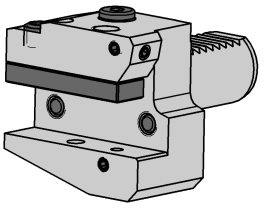
轴向左侧安装位置
Installation position axially-left



V







图示 = VDI刀柄 B1形式
Picture = VDI Toolholder Type B1

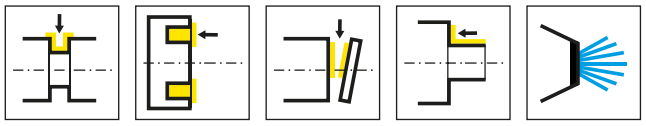
产品型号 Part number	l_1	l_2	d_1	h_1	**h_2**	h_5	h_6	b_1	b_2	类型 Type	系列 System
VDI25.B1.16.30.IK	16	30	25	16	22	25	30	55	30	B1	VDI25
VDI25.B3.16.30.IK	16	30	25	16	22	-	30	55	30	B3	VDI25
VDI30.B1.20.40.IK	22	40	30	20	29	28	38	70	35	B1	VDI30
VDI30.B3.20.40.IK	22	40	30	20	29	-	38	70	35	B3	VDI30
VDI40.B1.25.44.IK	22	44	40	25	34	32.5	48	85	42.5	B1	VDI40
VDI40.B3.25.44.IK	22	44	40	25	34	-	48	85	42.5	B3	VDI40
VDI50.B1.25.52.IK	30	52	50	25	34	35	60	100	50	B1	VDI50
VDI50.B3.25.52.IK	30	52	50	25	34	-	60	100	50	B3	VDI50

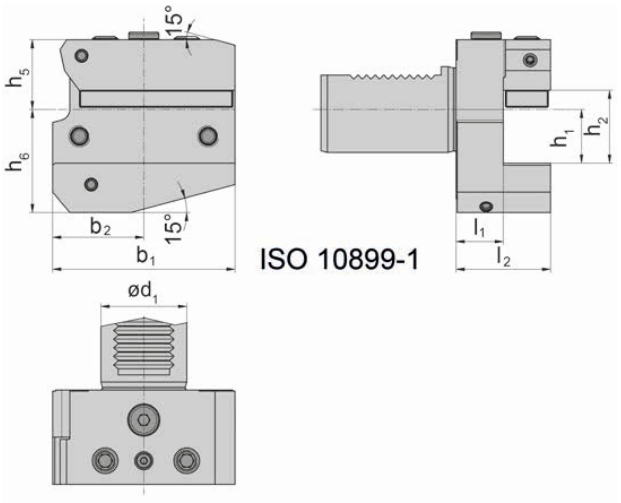
B1形式=正装 B3形式=反装
Version B1 = normal position Version B3 = overhead position

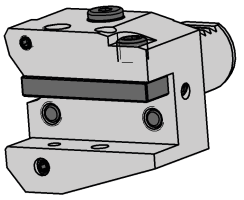
V

配件
Spare Parts

常规刀柄 Basic toolholder	**冷却液碰嘴** Coolant spray nozzle
VDI25...	**020.0806.3116**







图示 = VDI刀柄 B2形式
Picture = VDI Toolholder Type B2

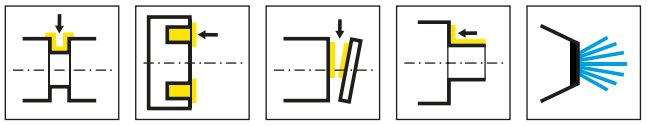
产品型号 Part number	l_1	l_2	d_1	h_1	**h_2**	h_5	h_6	b_1	b_2	类型 Type	系列 System
VDI25.B2.16.30.IK	16	30	25	16	22	25	30	55	30	B2	VDI25
VDI25.B4.16.30.IK	16	30	25	16	22	25	30	55	30	B4	VDI25
VDI30.B2.20.40.IK	22	40	30	20	29	28	38	70	35	B2	VDI30
VDI30.B4.20.40.IK	22	40	30	20	29	35	38	70	35	B4	VDI30
VDI40.B2.25.44.IK	22	44	40	25	34	32.5	48	85	42.5	B2	VDI40
VDI40.B4.25.44.IK	22	44	40	25	34	42.5	48	85	42.5	B4	VDI40
VDI50.B2.25.52.IK	30	52	50	25	34	35	60	100	50	B2	VDI50
VDI50.B4.25.52.IK	30	52	50	25	34	50	60	100	50	B4	VDI50

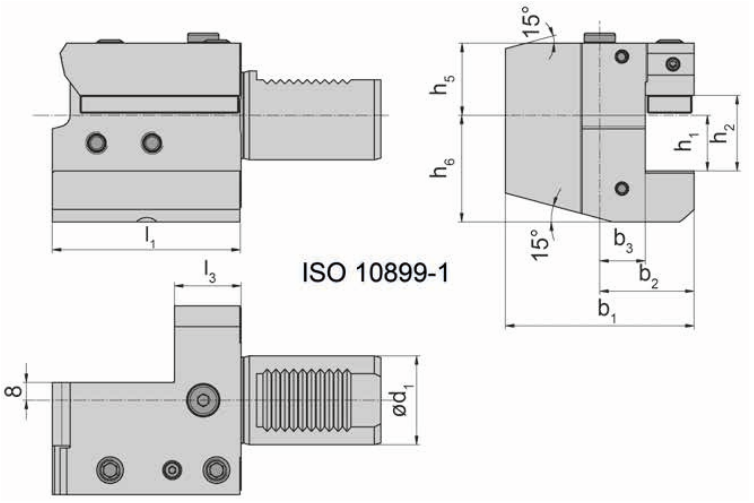
B2形式=正装 B4形式=反装
Version B2 = normal position Version B4 = overhead position

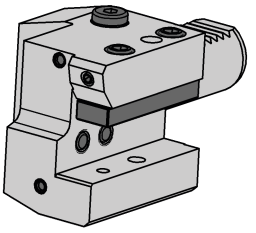
V

配件
Spare Parts

常规刀柄 Basic toolholder	**冷却液碰嘴** Coolant spray nozzle
VDI25...	**020.0806.3116**







图示 = VDI刀柄 B1形式
Picture = VDI Toolholder Type C1

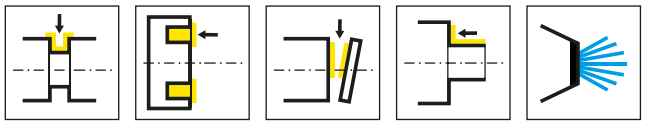
产品型号 Part number	l_1	d_1	h_1	**h_2**	h_5	h_6	b_1	b_3	b_2	l_3	类型 Type	系列 System
VDI25.C1.16.IK	55	25	16	22	25	30	58	19	33	20	C1	VDI25
VDI25.C1.20.IK	70	25	20	29	25	37	58	15	33	20	C1	VDI25
VDI25.C3.16.IK	55	25	16	22	25	30	58	19	33	20	C3	VDI25
VDI25.C3.20.IK	70	25	20	29	25	37	62	19	33	20	C3	VDI25
VDI30.C1.20.IK	70	30	20	29	28	38	70	17	35	30	C1	VDI30
VDI30.C3.20.IK	70	30	20	29	35	38	70	17	35	30	C3	VDI30
VDI40.C1.25.IK	85	40	25	34	32.5	48	85	20.5	42.5	30	C1	VDI40
VDI40.C3.25.IK	85	40	25	34	42.5	48	85	20.5	42.5	30	C3	VDI40
VDI50.C1.25.IK	85	50	25	34	50	60	97.5	25.5	47.5	30	C1	VDI50
VDI50.C3.25.IK	85	50	25	34	50	60	97.5	25.5	47.5	30	C3	VDI50

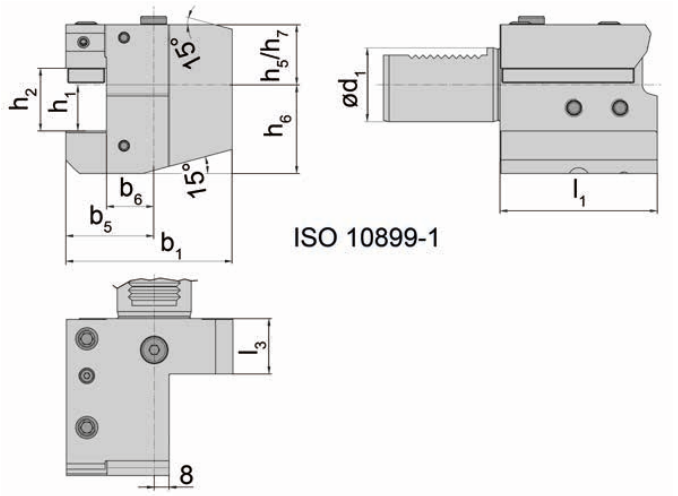
C1形式=正装 C3形式=反装
Version C1 = normal position Version C3 = overhead postion

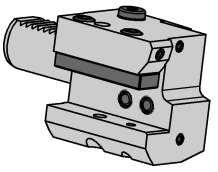
V

配件
Spare Parts

常规刀柄 Basic toolholder	**冷却液碰嘴** Coolant spray nozzle
VDI25...	**020.0806.3116**







图示 = VDI刀柄 C2形式
Picture = VDI Toolholder Type C2

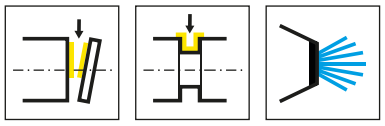
产品型号 Part number	d_1	h_1	**h_2**	h_5	h_6	b_1	b_6	b5	l_3	l_1	类型 Type	系列 System
VDI25.C2.16.IK	25	16	22	25	30	58	19	33	20	55	C2	VDI25
VDI25.C2.20.IK	25	20	29	25	37	62	19	37	20	70	C2	VDI25
VDI25.C4.16.IK	25	16	22	25	30	58	19	33	20	55	C4	VDI25
VDI25.C4.20.IK	25	20	29	25	37	58	15	33	20	70	C4	VDI25
VDI30.C2.20.IK	30	20	29	28	38	76	23	41	30	70	C2	VDI30
VDI30.C4.20.IK	30	20	29	35	38	76	23	41	30	70	C4	VDI30
VDI40.C2.25.IK	40	25	34	32.5	48	90	25.5	47.5	30	85	C2	VDI40
VDI40.C4.25.IK	40	25	34	42.5	48	90	25.5	47.5	30	85	C4	VDI40
VDI50.C2.25.IK	50	25	34	50	60	102.5	30.5	52.5	30	85	C2	VDI50
VDI50.C4.25.IK	50	25	34	50	60	97.5	25.5	47.5	30	85	C4	VDI50

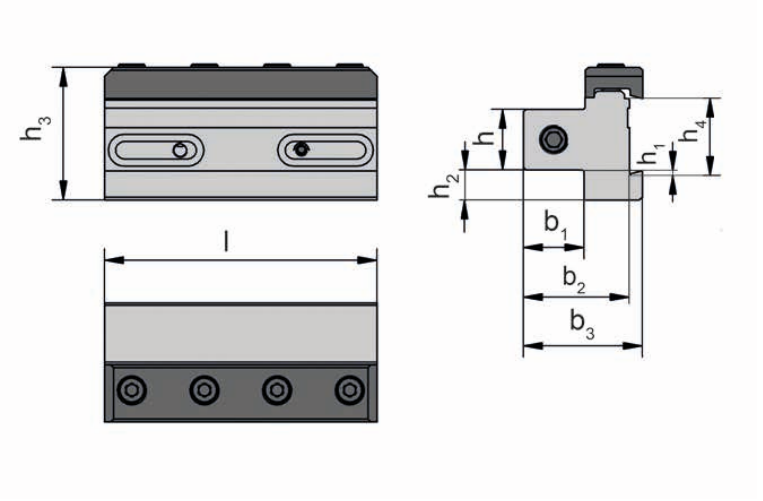
C2形式=正装 C4形式=反装
Version C2 = normal position Version C4 = overhead position

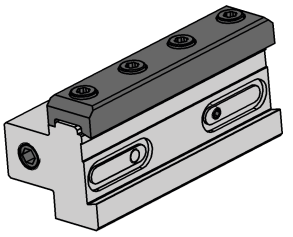
V

配件
Spare Parts

常规刀柄 Basic toolholder	**冷却液碰嘴** Coolant spray nozzle
VDI25...	**020.0806.3116**







产品型号 Part number	l	h	h_1	h_2	h_3	h_4	b_1	b_2	b_3
NASH.2020.26.05.IK	90	20	1.4	10	43.9	26	20	35	39.2
NASH.2020.32.05.IK	110	20	4.8	10	46.5	32	20	35	39.2
NASH.2525.26.05.IK	90	25	3.6	10	48.9	26	25	40	44.2
NASH.2525.32.05.IK	110	25	0.2	10	51.5	32	25	40	44.2

V

配件
Spare Parts

常规刀柄 Basic toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
NASH...	**6.17T25P**	**T25PQ**

105

刀杆和刀片

Toolholder and Inserts

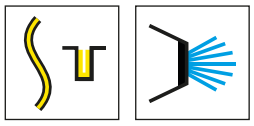
刀杆
Toolholder
SB105.HSK/SB105

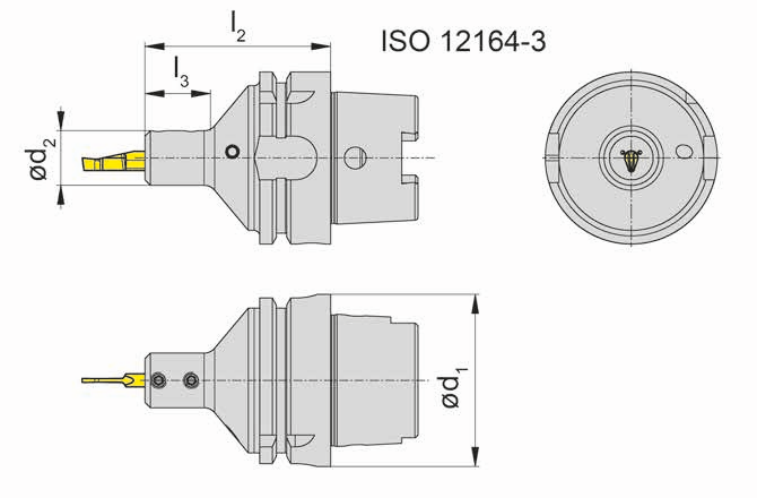
页/Page
725-726

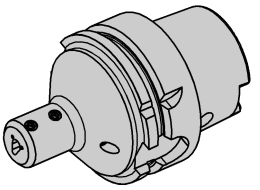
刀片
Insert
P105

页/Page
727

SB105.HSK





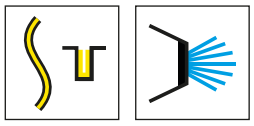


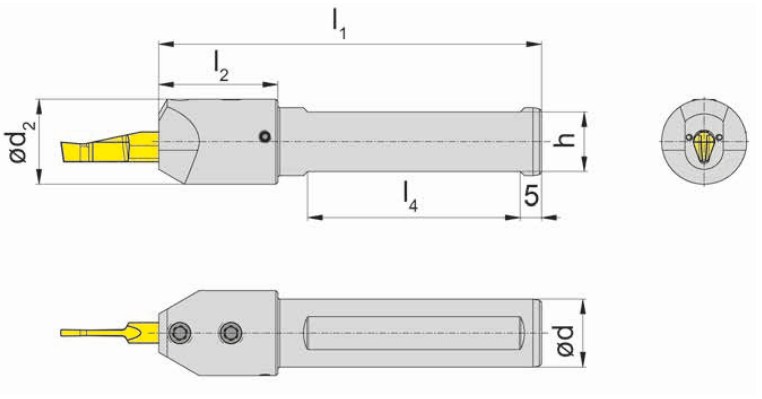
产品型号 Part number	d_1	d_2	l_2	l_3	HWS
SB105.HSK63.02.IK	63	20	68	24	105225

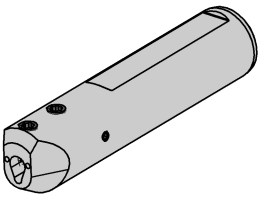
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
SB105.HSK63.02.IK	**6.075T15P**	**T15PQ**

SB105





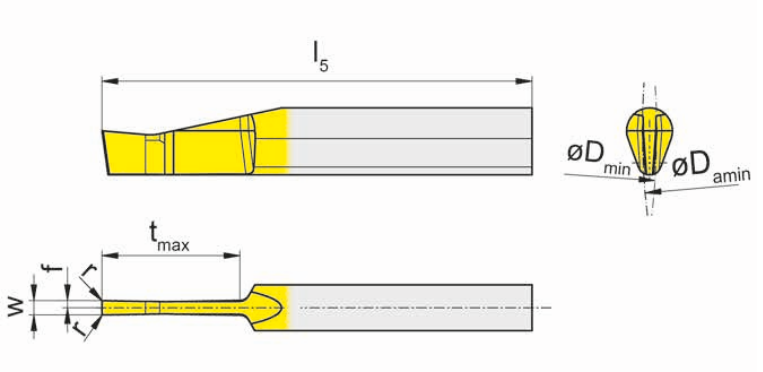


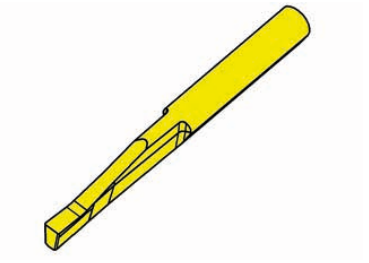
产品型号 Part number	d	d_2	l_1	l_2	l_4	h	HWS
SB105.0016.02.IK	16	20	90	28	50	14	105225
SB105.0020.02.IK	20	20	90	-	50	18	105225
SB105.0025.02.IK	25	25	90	-	50	23	105225

W

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
SB105...	**6.075T15P**	**T15PQ**





硬质合金牌号
Carbide grades

▲ 库存
on stock

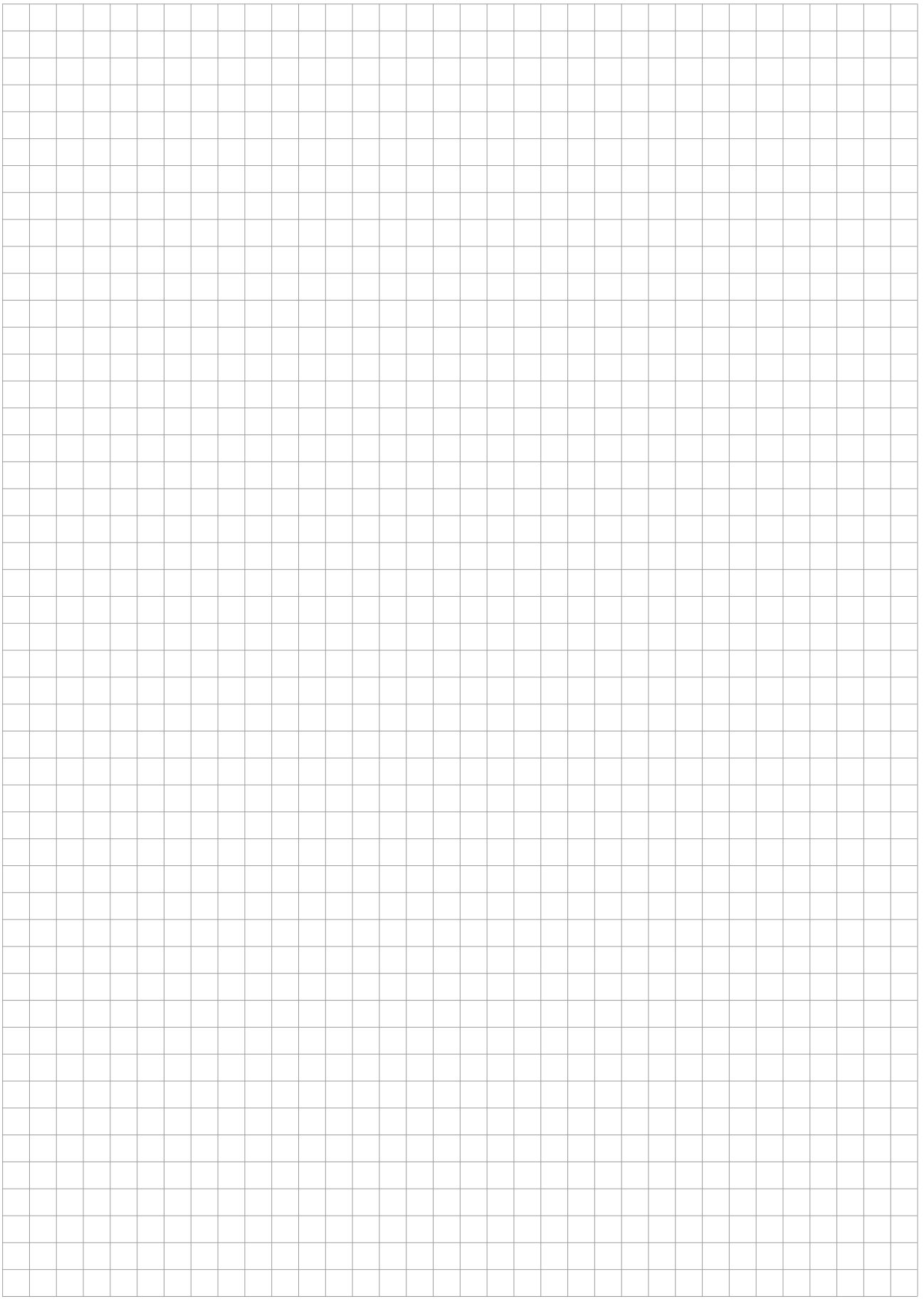
Δ 4周
4 weeks

产品型号 Part number	w	r	f	b	l_5	t_{max}	D_{min}	$D_{a\ min}$	HIS	EG35
P105.1515.12.75.01	1.5	0.15	0.75	7	45	12	150	150	105225	▲
P105.2020.16.75.01	2	0.2	1	7	45	16	150	150	105225	▲
P105.2520.22.75.01	2.5	0.2	2.25	7	50	22	150	150	105225	▲
P105.3025.25.75.01	3	0.25	1.5	7	55	25	150	150	105225	▲
P105.4025.35.75.01	4	0.25	2	7	65	35	150	150	105225	▲

夹持长度22mm
Clamping length 22 mm

P	●
M	●
K	o
N	-
S	-
H	-

W



系列/System	页/Page
105/110	**730**
117/356	**762**

X

插削
Broaching

刀杆
Toolholder
SB105/SB110/B105

页/Page
732-739

刀片
Insert
N105/N110

C11

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740, 749

D10

页/Page
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H9

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P9

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743, 752

JS9

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.A.

页/Page
745-748

.B.

页/Page
754-757

概述
Overview

页/Page
758-760

槽型 Geometry	材料 Material	加工方式 Machining
.A	P M K N S H	推荐:使用动力刀座 Recommended for: Broaching units ap = 0.02 - 0.15 mm
.B	P M K N S H	推荐:常规插削 Recommended for: Conventional broaching ap = 0.02 - 0.15 mm

X

105/110

刀杆和刀片

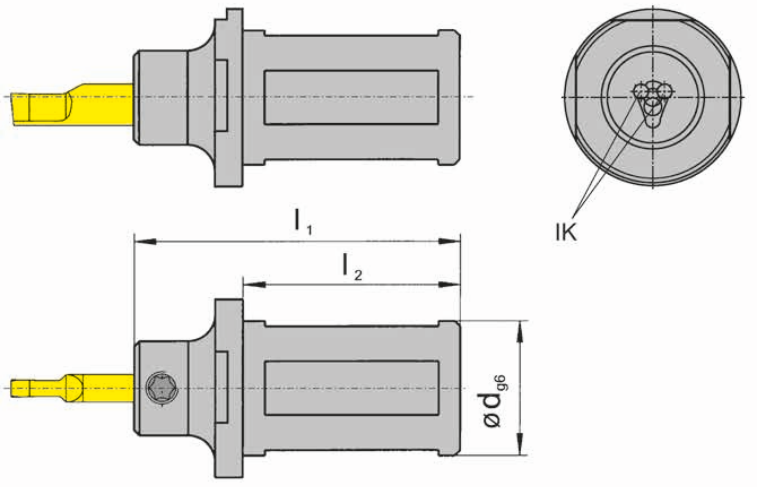
孔径Ø 自 6 mm

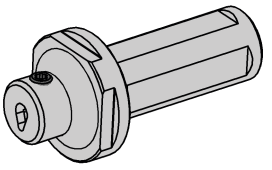
Toolholder and Inserts

Bore Ø from 6 mm

X

SB105





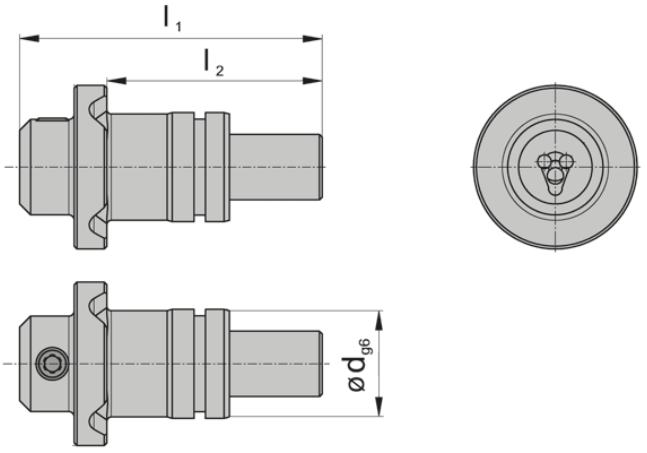
产品型号 Part number	d	l_1	l_2	D_{min}	HWS
SB105.0016.1.01.IK	16	73	50	6	105125
SB105.0020.1.01.IK	20	73	50	6	105125
SB105.0022.1.01.IK	22	73	50	6	105125
SB105.0025.1.01.IK	25	73	50	6	105125
SB105.0032.1.01.IK	32	73	50	6	105125

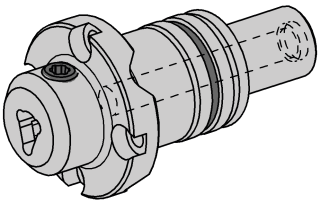
X

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
SB105...	**6.075T15P**	**T15PQ**

SB105 / SB110





图片 = 系列 SB105
Picture = System SB105

产品型号 Part number	d	l_1	l_2	D_{min}	HWS	HMS
SB105.0020.E5.01.IK	20	55.5	39.5	6	105125	Benz
SB110.0020.E5.02.IK	20	70	39.5	9	110260	Benz

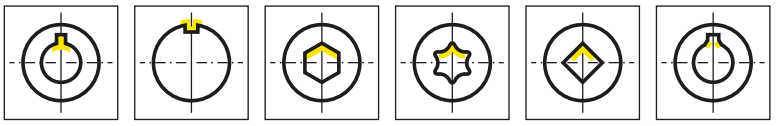
只适用于插削动力座 EWSP20, BENZ LinA 4.0，带内冷
only usable for broaching devices EWSP20, BENZ LinA 4.0 with IK

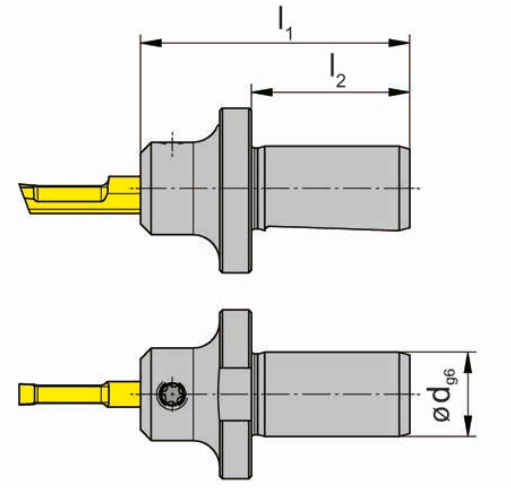
刀片夹持长度
型号105 =12mm
型号110 = 26mm
Clamping length of inserts
Type 105 = 12 mm
Type 110 = 26 mm

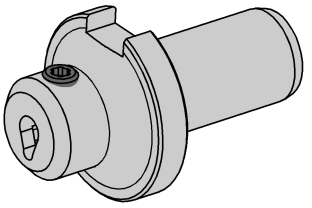
配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench	**O型圈** O-ring
SB105...	**6.075T15P**	**T15PQ**	**16.00.1.50.3601 NBR70**

SB105 / SB110







图片 = 系列 SB105
Picture = System SB105

产品型号 Part number	d	l_1	l_2	D_{min}	HWS	HMS
SB105.0016.E1.01	16	51	30	6	105125	Benz
SB110.0016.E1.02	16	72	30	9	110260	Benz

只适用于插削动力座EWS-Slot, BENZ LinA
only usable for broaching devices EWS-Slot, BENZ LinA

刀片夹持长度
型号105 =12mm
型号110 = 26mm
Clamping length of inserts
Type 105 = 12 mm
Type 110 = 26 mm

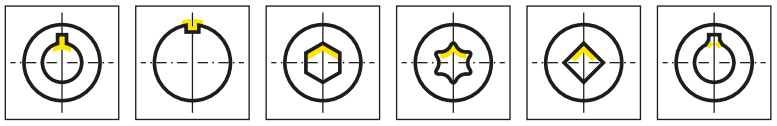
X

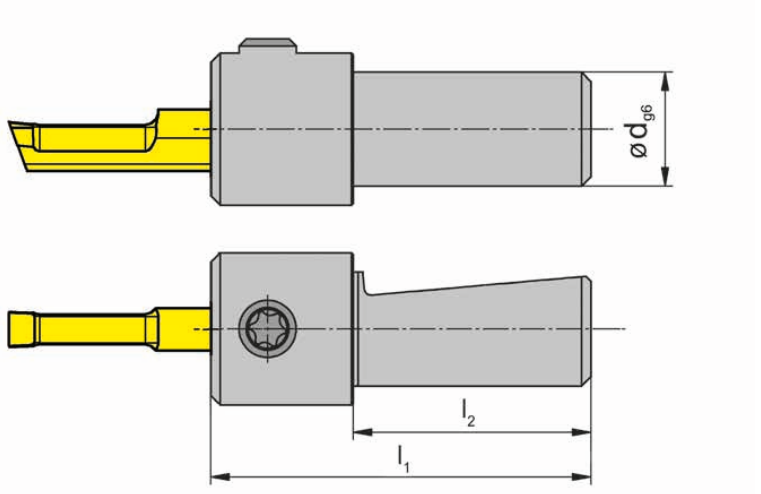
配件
Spare Parts

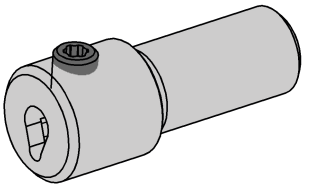
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
SB105...	**6.075T15P**	**T15PQ**

刀杆
Toolholder

B105







产品型号 Part number	d	l_1	l_2	D_{min}	HWS	HMS
B105.0012.0220	12	40	25	6	105125	Schwarzer

用于插削动力座Schwarzer
for broaching device Schwarzer

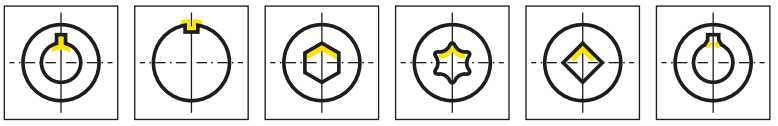
刀片的夹持长度=12mm!
Clamping length of inserts = 12 mm!

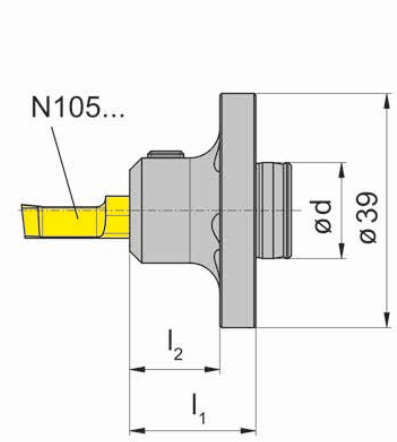
X

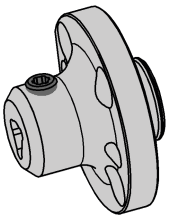
配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
B105.0012.0220	**6.075T15P**	**T15PQ**

SB105 / SB110







图片 = 系列 SB105
Picture = System SB105

产品型号 Part number	d	l_1	l_2	D_{min}	HWS	HMS
SB105.1816.W1.01	16	21	15	6	105125	WTO
SB110.2016.W1.02	16	42	36	9	110260	WTO

用于插削动力座WTO
for broaching device WTO

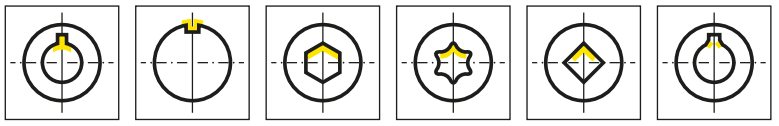
刀片夹持长度
型号105 =12mm
型号110 = 26mm
Clamping length of inserts
Type 105 = 12 mm
Type 110 = 26 mm

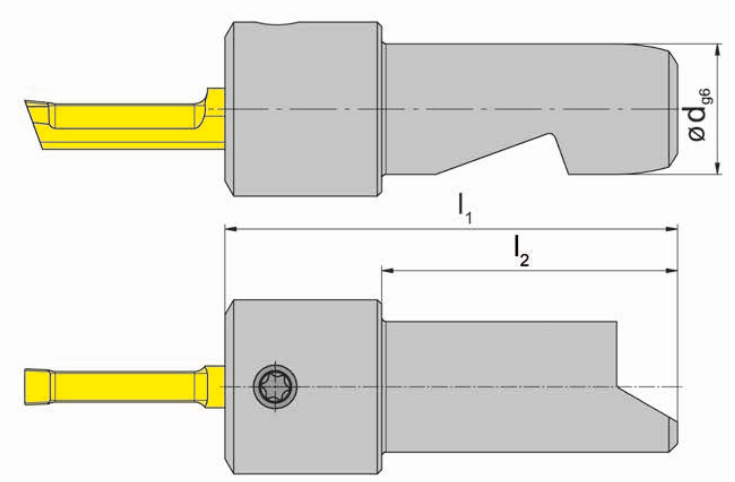
X

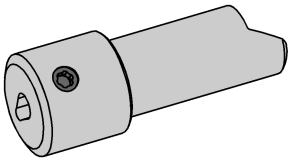
配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
SB105...	**6.075T15P**	**T15PQ**

SB105 / SB110







图片 = 系列 SB105
Picture = System SB105

产品型号 Part number	d	l_1	l_2	D_{min}	HWS	HMS
SB105.0015.S1.01	15	52	34	6	105125	Schwarzer
SB110.0015.S1.02	15	66	34	9	110260	Schwarzer

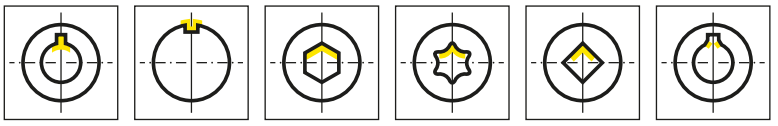
用于插削动力座Schwarzer“2in1”
for broaching device Schwarzer „2in1“

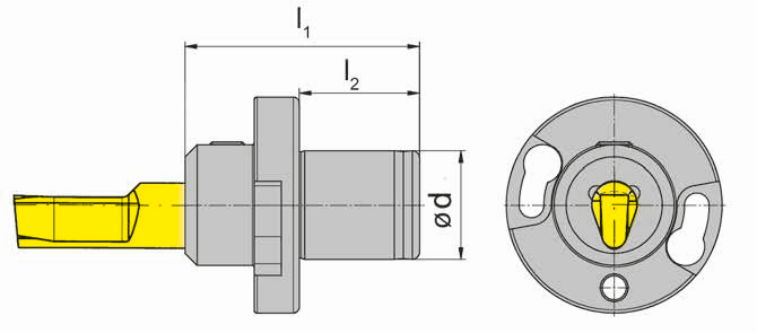
刀片夹持长度
型号105 =12mm
型号110 = 26mm
Clamping length of inserts
Type 105 = 12 mm
Type 110 = 26 mm

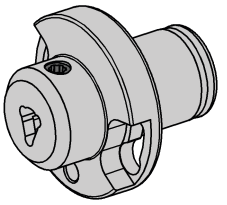
配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
SB105...	**6.075T15P**	**T15PQ**

SB105 / SB110







图片 = 系列 SB105
Picture = System SB105

产品型号 Part number	d	l_1	l_2	D_{min}	HWS	HMS
SB105.0018.A.01	18	38	20	6	105125	AR2P
SB110.0018.A.01	18	39	20	6	110260	AR2P
SB110.0018.A.02	18	52	20	6	110260	AR2P

用于插削设备AP2R/AP3R
for broaching device AP2R/AP3R

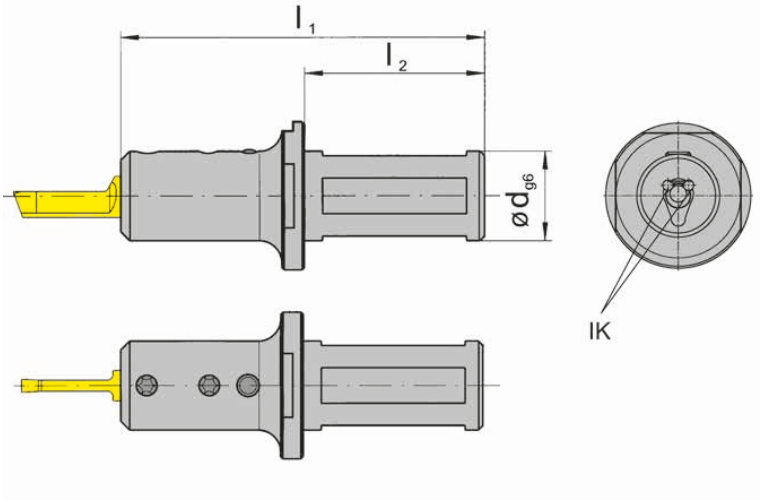
刀片夹持长度
型号105 =12mm
型号110 = 26mm
Clamping length of inserts
Type 105 = 12 mm
Type 110 = 26 mm

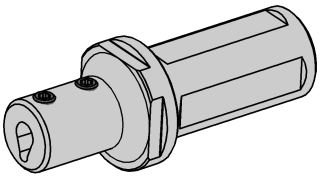
X

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
SB105...	**6.075T15P**	**T15PQ**

SB110





产品型号 Part number	d	l_1	l_2	D_{min}	HWS
SB110.0020.1.02.IK	20	88	50	9	110260
SB110.0025.1.02.IK	25	88	50	9	110260
SB110.0032.1.02.IK	32	88	50	9	110260

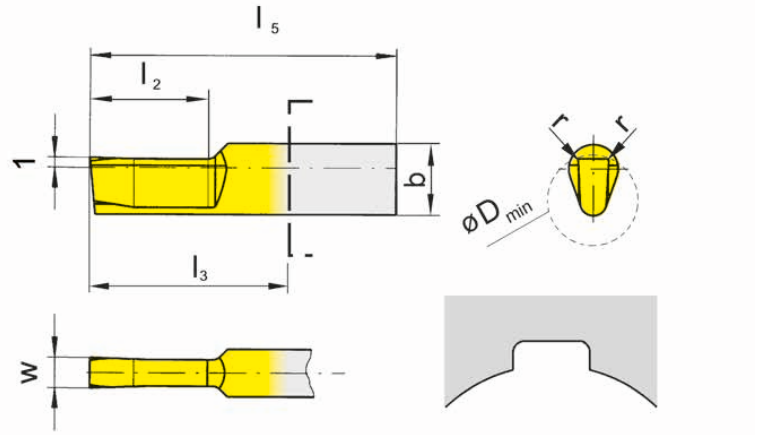
X

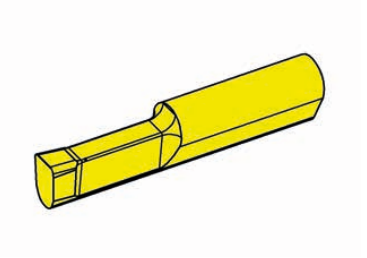
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
SB110...	**6.075T15P**	**T15PQ**

N105 / N110

C11 .A.





硬质合金牌号
Carbide grades

▲ 库存 on stock　　Δ 4周 4 weeks

产品型号 Part number	w	b	l_5	l_2	l_3	r	D_{min}	HIS	AN25
N105.0210.2.08.A2	2.11	7	30	12	18	0.35	6	105125	▲
N105.0310.2.10.A2	3.11	7	30	12	18	0.35	6.5	105125	▲
N105.0310.2.13.A2	3.11	7	30	12	18	0.5	6.5	105125	▲
N105.0410.2.16.A2	4.14	7	30	12	18	0.5	6.5	105125	▲
N110.0510.05.04.A2	5.14	-	60	25	34	0.5	9	110260	▲
N110.0510.05.07.A2	5.14	-	75	40	49	0.5	9	110260	▲
N110.0610.05.04.A2	6.14	-	60	25	34	0.5	10	110260	Δ
N110.0610.05.07.A2	6.14	-	75	40	49	0.5	10	110260	Δ

推荐:使用动力刀座
Recommended for: Broaching units

P	●
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S	-
H	-

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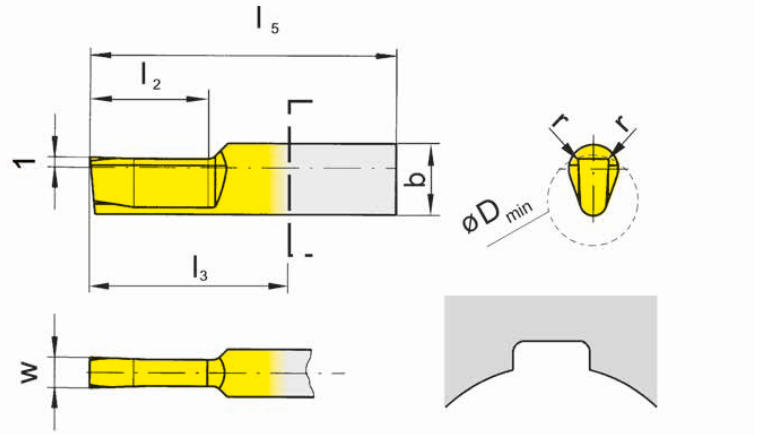
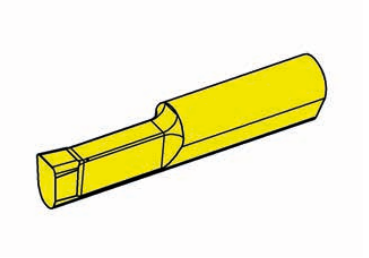
N105 / N110

D10 .A.





硬质合金牌号
Carbide grades

▲ 库存 on stock　　Δ 4周 4 weeks

产品型号 Part number	w	b	l_5	l_2	l_3	r	D_{min}	HIS	AN25
N105.0205.01.01.A2	2.055	7	30	12	18	0.12	6	105125	▲
N105.0305.01.01.A2	3.055	7	30	12	18	0.12	6.5	105125	▲
N105.0407.01.01.A2	4.073	7	35	15	23	0.12	6.5	105125	▲
N110.0407.02.04.A2	4.073	-	60	25	34	0.2	9	110260	▲
N110.0407.02.07.A2	4.073	-	75	40	49	0.2	9	110260	▲
N110.0507.02.04.A2	5.073	-	60	25	34	0.2	9	110260	▲
N110.0507.02.07.A2	5.073	-	75	40	49	0.2	9	110260	▲
N110.0607.02.04.A2	6.073	-	60	25	34	0.2	10	110260	Δ
N110.0607.02.07.A2	6.073	-	75	40	49	0.2	10	110260	Δ

推荐:使用动力刀座
Recommended for: Broaching units

P	●
M	o
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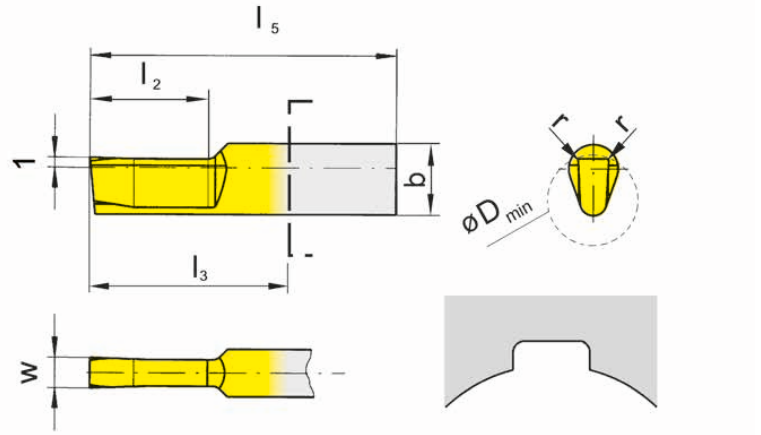
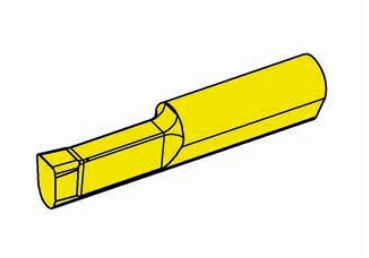
N105 / N110

H9 .A.





硬质合金牌号
Carbide grades

▲ 库存 on stock　　Δ 4周 4 weeks

产品型号 Part number	w	b	l_5	l_2	l_3	r	D_{min}	HIS	AN25
N105.0202.01.01.A2	2.02	7	30	12	18	0.1	6	105125	▲
N105.0302.01.01.A2	3.02	7	30	12	18	0.1	6.5	105125	▲
N105.0402.01.01.A2	4.025	7	35	15	23	0.1	6.5	105125	▲
N110.0402.02.04.A2	4.025	-	60	25	34	0.2	9	110260	▲
N110.0402.02.07.A2	4.025	-	75	40	49	0.2	9	110260	▲
N110.0502.02.04.A2	5.025	-	60	25	34	0.2	9	110260	▲
N110.0502.02.07.A2	5.025	-	75	40	49	0.2	9	110260	▲
N110.0602.02.04.A2	6.025	-	60	25	34	0.2	10	110260	Δ
N110.0602.02.07.A2	6.025	-	75	40	49	0.2	10	110260	Δ

推荐:使用动力刀座
Recommended for: Broaching units

P	●
M	o
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N	-
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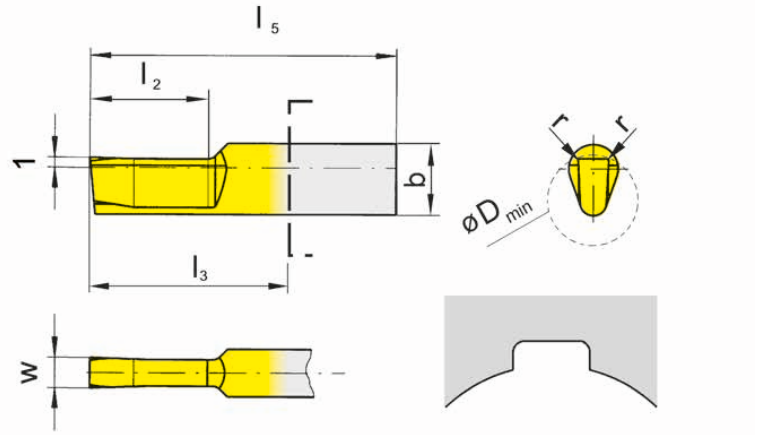
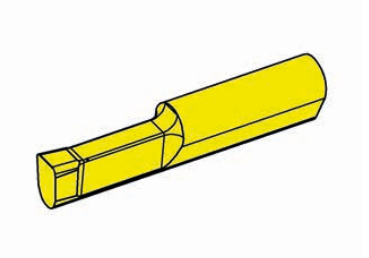
P9 .A.





硬质合金牌号
Carbide grades

▲ 库存 on stock　　Δ 4周 4 weeks

产品型号 Part number	w	b	l_5	l_2	l_3	r	D_{min}	HIS	AN25
N105.0198.01.01.A2	1.982	7	30	12	18	0.1	6	105125	▲
N105.0298.01.01.A2	2.989	7	30	12	18	0.1	6.5	105125	▲
N105.0397.01.01.A2	3.983	7	35	15	23	0.1	6.5	105125	▲
N110.0397.02.04.A2	3.983	-	60	25	34	0.2	9	110260	▲
N110.0397.02.07.A2	3.983	-	75	40	49	0.2	9	110260	▲
N110.0497.02.04.A2	4.983	-	60	25	34	0.2	9	110260	▲
N110.0497.02.07.A2	4.983	-	75	40	49	0.2	9	110260	▲
N110.0597.02.04.A2	5.983	-	60	25	34	0.2	10	110260	Δ
N110.0597.02.07.A2	5.983	-	75	40	49	0.2	10	110260	Δ

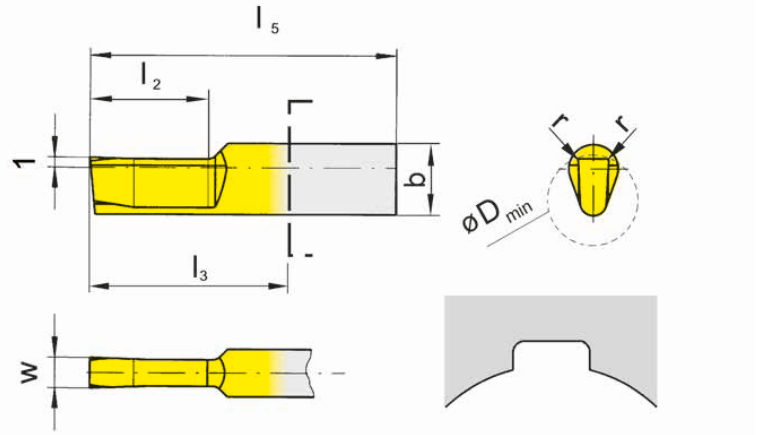
推荐:使用动力刀座
Recommended for: Broaching units

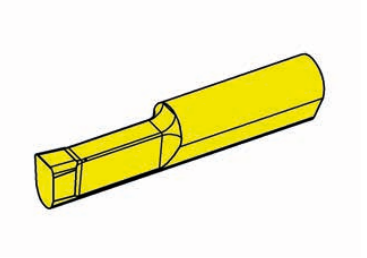
P	●
M	o
K	-
N	-
S	-
H	-

X

N105 / N110

JS9 .A.





硬质合金牌号
Carbide grades

▲ 库存 on stock　　Δ 4周 4 weeks

产品型号 Part number	w	b	l_5	l_2	l_3	r	D_{min}	HIS	AN25
N105.0200.01.01.A2	2	7	30	12	18	0.1	6	105125	▲
N105.0300.01.01.A2	3	7	30	12	18	0.1	6.5	105125	▲
N105.0400.01.01.A2	4	7	35	15	23	0.1	6.5	105125	▲
N105.0400.02.01.A2	4	7	35	15	23	0.2	6.5	105125	▲
N110.0400.02.04.A2	4.01	-	60	25	34	0.2	9	110260	▲
N110.0400.02.07.A2	4.01	-	75	40	49	0.2	9	110260	▲
N110.0500.02.04.A2	5.01	-	60	25	34	0.2	9	110260	▲
N110.0500.02.07.A2	5.01	-	75	40	49	0.2	9	110260	▲
N110.0600.02.04.A2	6.01	-	60	25	34	0.2	10	110260	Δ
N110.0600.02.07.A2	6.01	-	75	40	49	0.2	10	110260	Δ

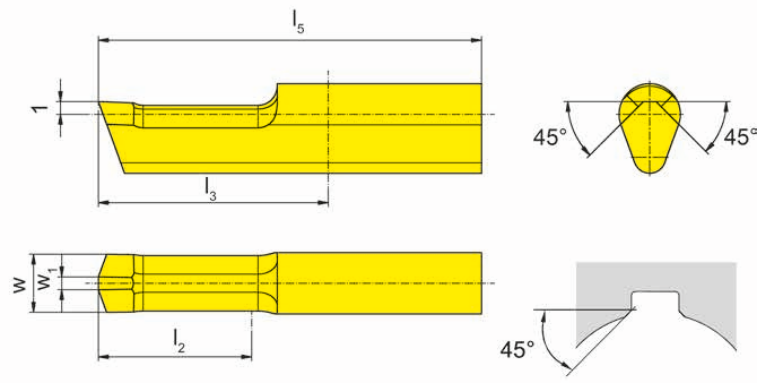
推荐:使用动力刀座
Recommended for: Broaching units

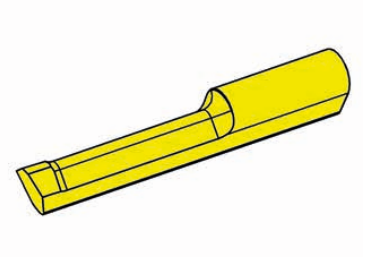
P	●
M	o
K	-
N	-
S	-
H	-

X

N105 / N110

.A.





硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	b	w_1	l_5	l_2	l_3	D_{min}	HIS	AN25
N105.4545.2.6.A1	4.5	7	1	30	12	18	6	105125	▲
N110.4545.4.9.A1	6.3	-	2	60	25	34	9	110260	▲
N110.4545.7.9.A1	6.3	-	2	75	40	49	9	110260	▲

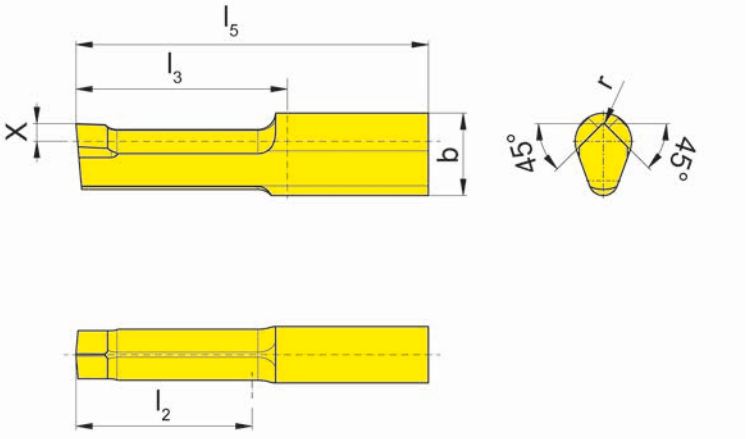
推荐:使用动力刀座
Recommended for: Broaching units

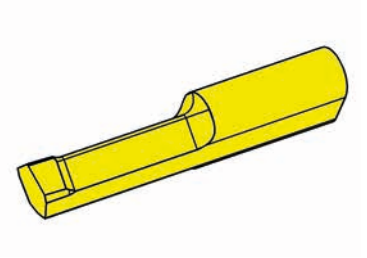
P	●
M	o
K	-
N	-
S	-
H	-

X

N105 / N110

.A.





硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	SW	b	l_5	l_2	l_3	r	底孔 Pilot diameter	X	HIS	AN25
N105.SQ.0405.1.A1	4-5	7	25	10	13	0.2	SW+0,1	1.5	105125	▲
N105.SQ.0506.1.A1	5-6	7	30	12	18	0.2	SW+0,1	1.5	105125	▲
N105.SQ.0608.2.A1	6-8	7	30	15	18	0.2	SW+0,1	1.5	105125	▲
N110.SQ.0810.2.A1	8-10	-	45	15	19	0.2	SW+0,1	2.5	110260	▲
N110.SQ.1013.2.A1	10-13	-	45	15	19	0.2	SW+0,2	2.5	110260	▲

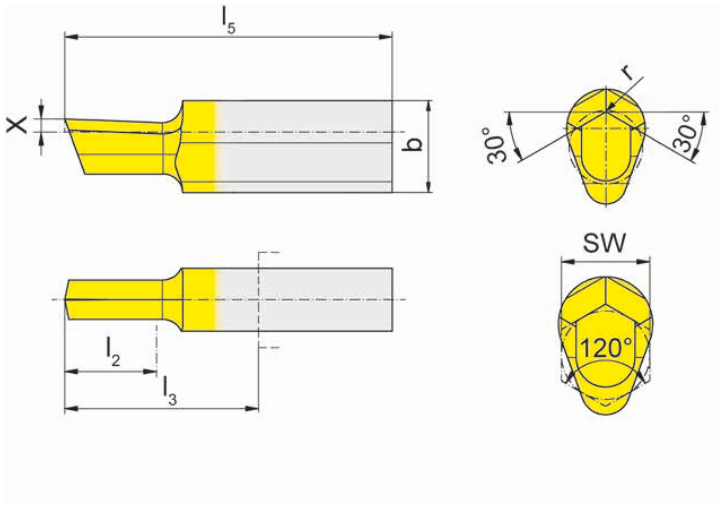
推荐:使用动力刀座
Recommended for: Broaching units

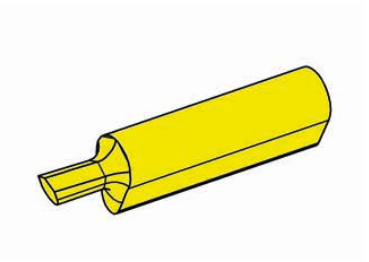
P	●
M	o
K	-
N	-
S	-
H	-

X

N105 / N110

.A.





硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	SW	l_5	l_2	l_3	r	底孔 Pilot diameter	X	HIS	AN25
N105.SW20.20.01.A1	2,0-2,0	25	4	13	0,05	SW	1	105125	▲
N105.SW25.25.01.A1	2,5-2,9	25	4	13	0,05	SW	1	105125	▲
N105.SW30.30.01.A1	2,9-3,5	25	4,5	13	0,05	SW	1	105125	▲
N105.SW35.35.01.A1	3,5-4,0	25	5,5	13	0,05	SW	1	105125	▲
N105.SW40.40.01.A1	4,0-4,5	25	6	13	0,1	SW	1	105125	▲
N105.SW45.45.01.A1	4,5-5,0	25	7	13	0,1	SW	1	105125	▲
N105.SW56.56.01.A1	5,0-8,0	25	9	13	0,1	SW	1	105125	▲
N105.SW80.80.01.A1	8,0-10,0	30	12	18	0,1	SW+0,1	1	105125	▲
N110.SW14.14.03.A1	10,0-14,0	55	20	29	0,2	SW+0,1	1,5	110260	▲
N110.SW16.16.04.A1	14,0-16,5/ 16,8-18,0	55	25	29	0,2	SW+0,1/ SW+0,2	2	110260	▲

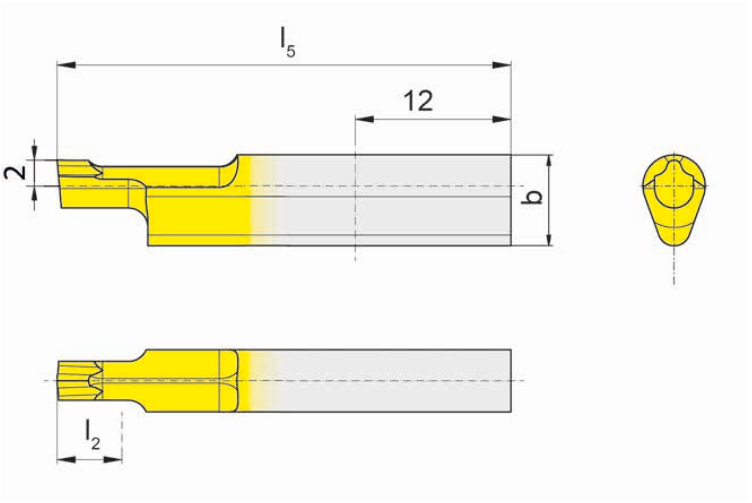
推荐:使用动力刀座
Recommended for: Broaching units

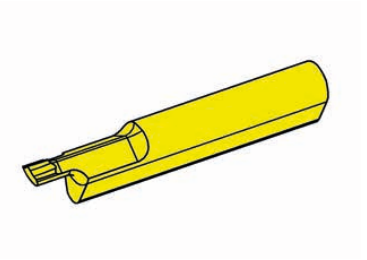
P	●
M	o
K	-
N	-
S	-
H	-

X

N105

.A.





硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	b	l_5	l_2	HIS	AN25
N105.TX15.24.03.A1	7	35	4	105125	▲
N105.TX20.28.03.A1	7	35	4	105125	▲
N105.TX25.32.03.A1	7	35	5	105125	▲
N105.TX30.40.03.A1	7	35	5	105125	▲

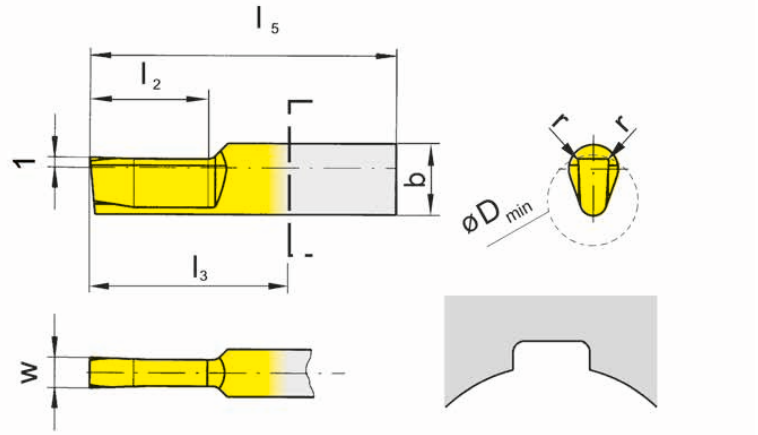
P	●
M	o
K	-
N	-
S	-
H	-

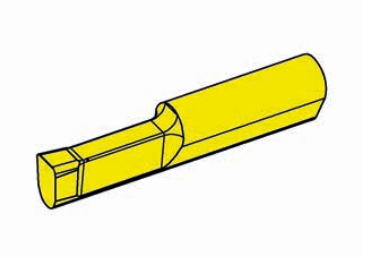
推荐:使用动力刀座
Recommended for: Broaching units

X

N105 / N110

C11 .B.





硬质合金牌号
Carbide grades

▲ 库存 on stock　　Δ 4周 4 weeks

产品型号 Part number	w	b	l_5	l_2	l_3	r	D_{min}	HIS	AN25
N105.0210.2.08.B1	2.11	7	30	12	18	0.35	6	105125	▲
N105.0310.2.10.B1	3.11	7	30	12	18	0.35	6.5	105125	▲
N105.0310.2.13.B1	3.11	7	30	12	18	0.5	6.5	105125	▲
N105.0410.2.16.B1	4.14	7	30	12	18	0.5	6.5	105125	▲
N110.0410.05.04.B1	4.14	-	60	25	34	0.5	9	110260	▲
N110.0410.05.07.B1	4.14	-	75	40	49	0.5	9	110260	▲
N110.0510.05.04.B1	5.14	-	60	25	34	0.5	9	110260	▲
N110.0510.05.07.B1	5.14	-	75	40	49	0.5	9	110260	▲
N110.0610.05.04.B1	6.14	-	60	25	34	0.5	10	110260	Δ
N110.0610.05.07.B1	6.14	-	75	40	49	0.5	10	110260	Δ

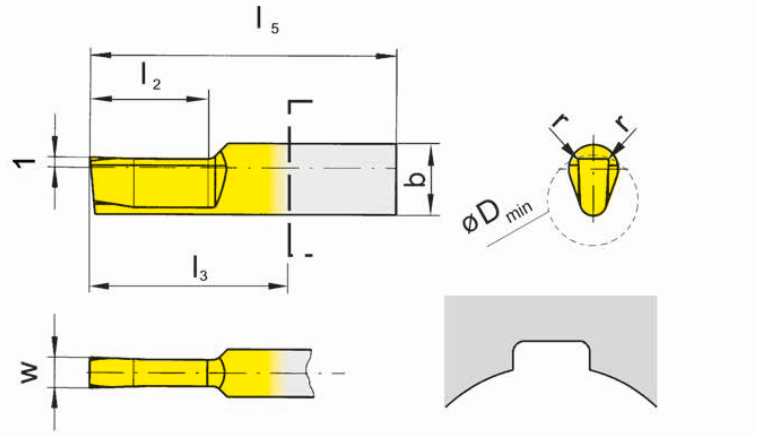
推荐:常规插削
Recommended for: conventional broaching

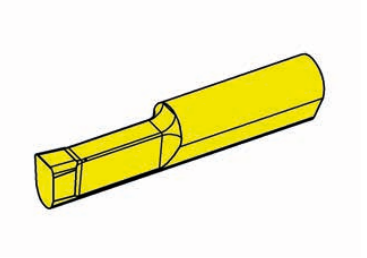
P	●
M	o
K	-
N	-
S	-
H	-

X

N105 / N110

D10 .B.





硬质合金牌号
Carbide grades

▲ 库存 on stock　　Δ 4周 4 weeks

产品型号 Part number	w	b	l_5	l_2	l_3	r	D_{min}	HIS	AN25
N105.0205.01.01.B1	2.055	7	30	12	18	0.12	6	105125	▲
N105.0305.01.01.B1	3.055	7	30	12	18	0.12	6.5	105125	▲
N105.0407.01.01.B1	4.073	7	35	15	23	0.12	6.5	105125	▲
N110.0407.02.04.B1	4.073	-	60	25	34	0.2	9	110260	▲
N110.0407.02.07.B1	4.073	-	75	40	49	0.2	9	110260	▲
N110.0507.02.04.B1	5.073	-	60	25	34	0.2	9	110260	▲
N110.0507.02.07.B1	5.073	-	75	40	49	0.2	9	110260	▲
N110.0607.02.04.B1	6.073	-	60	25	34	0.2	10	110260	Δ
N110.0607.02.07.B1	6.073	-	75	40	49	0.2	10	110260	Δ

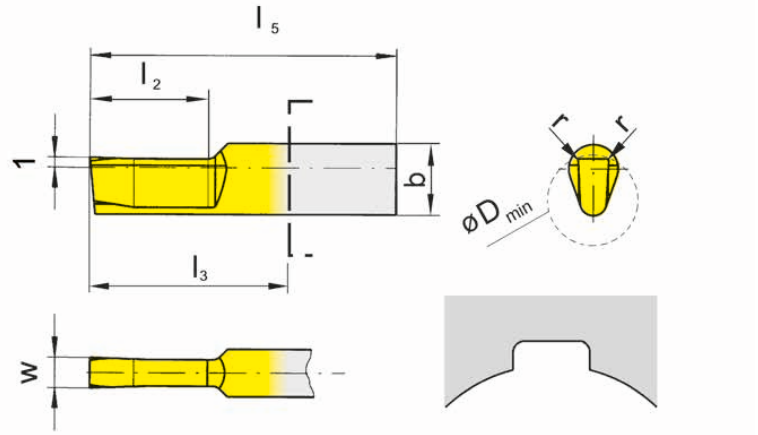
推荐:常规插削
Recommended for: conventional broaching

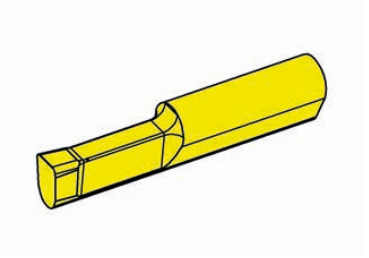
P	●
M	o
K	-
N	-
S	-
H	-

X

N105 / N110

H9 | .B.





硬质合金牌号
Carbide grades

▲ 库存 on stock　　Δ 4周 4 weeks

产品型号 Part number	w	b	l_5	l_2	l_3	r	D_{min}	HIS	AN25
N105.0202.01.01.B1	2.02	7	30	12	18	0.1	6	105125	▲
N105.0302.01.01.B1	3.02	7	30	12	18	0.1	6.5	105125	▲
N105.0402.01.01.B1	4.025	7	35	15	23	0.1	6.5	105125	▲
N110.0402.02.04.B1	4.025	-	60	25	34	0.2	9	110260	▲
N110.0402.02.07.B1	4.025	-	75	40	49	0.2	9	110260	▲
N110.0502.02.04.B1	5.025	-	60	25	34	0.2	9	110260	▲
N110.0502.02.07.B1	5.025	-	75	40	49	0.2	9	110260	▲
N110.0602.02.04.B1	6.025	-	60	25	34	0.2	10	110260	Δ
N110.0602.02.07.B1	6.025	-	75	40	49	0.2	10	110260	Δ

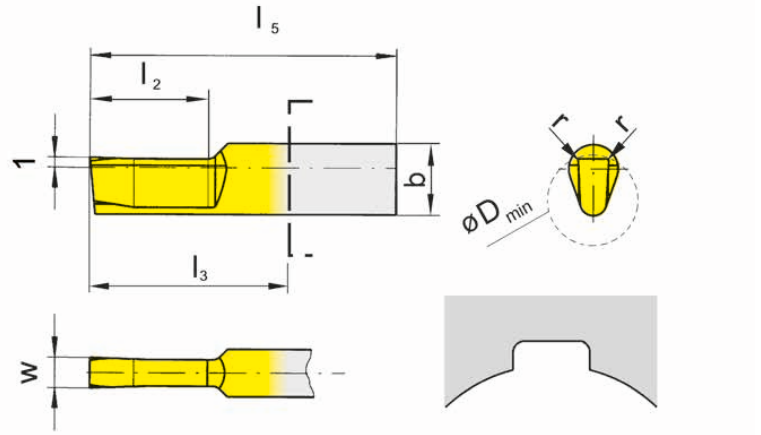
P	●
M	o
K	-
N	-
S	-
H	-

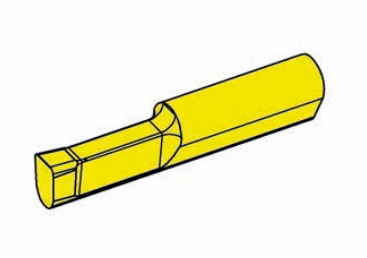
推荐:常规插削
Recommended for: conventional broaching

X

N105 / N110

P9 | .B.





硬质合金牌号
Carbide grades

▲ 库存 on stock　　Δ 4周 4 weeks

产品型号 Part number	w	b	l_5	l_2	l_3	r	D_{min}	HIS	AN25
N105.0198.01.01.B1	1.982	7	30	12	18	0.1	6	105125	▲
N105.0298.01.01.B1	2.989	7	30	12	18	0.1	6.5	105125	▲
N105.0397.01.01.B1	3.983	7	35	15	23	0.1	6.5	105125	▲
N110.0397.02.04.B1	3.983	-	60	25	34	0.2	9	110260	▲
N110.0397.02.07.B1	3.983	-	75	40	49	0.2	9	110260	▲
N110.0497.02.04.B1	4.983	-	60	25	34	0.2	9	110260	▲
N110.0497.02.07.B1	4.983	-	75	40	49	0.2	9	110260	▲
N110.0597.02.04.B1	5.983	-	60	25	34	0.2	10	110260	Δ
N110.0597.02.07.B1	5.983	-	75	40	49	0.2	10	110260	Δ

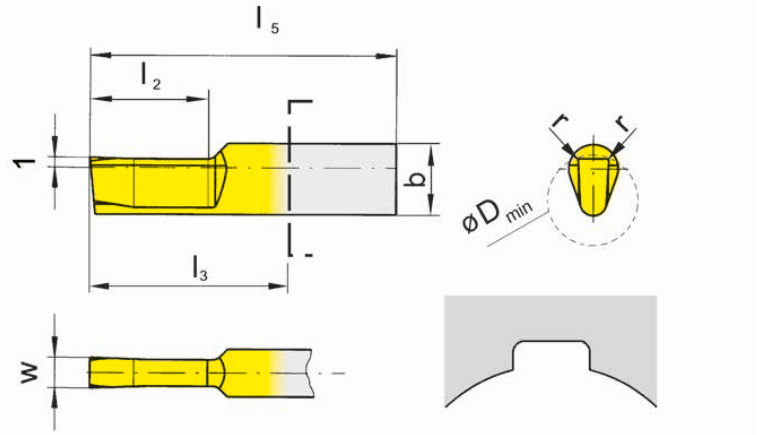
推荐:常规插削
Recommended for: conventional broaching

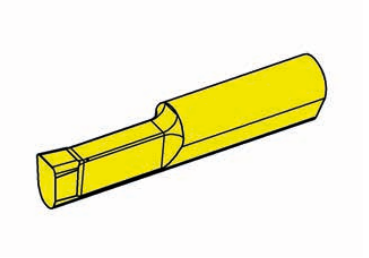
P	●
M	o
K	-
N	-
S	-
H	-

X

N105 / N110

JS9 .B.





硬质合金牌号
Carbide grades

▲ 库存 on stock　　Δ 4周 4 weeks

产品型号 Part number	w	b	l_5	l_2	l_3	r	D_{min}	HIS	AN25
N105.0200.01.01.B1	2	7	30	12	18	0.1	6	105125	▲
N105.0300.01.01.B1	3	7	30	12	18	0.1	6.5	105125	▲
N105.0400.01.01.B1	4	7	35	15	23	0.1	6.5	105125	▲
N105.0400.02.01.B1	4	7	35	15	23	0.2	6.5	105125	▲
N110.0400.02.04.B1	4.01	-	60	25	34	0.2	9	110260	▲
N110.0400.02.07.B1	4.01	-	75	40	49	0.2	9	110260	▲
N110.0500.02.04.B1	5.01	-	60	25	34	0.2	9	110260	▲
N110.0500.02.07.B1	5.01	-	75	40	49	0.2	9	110260	▲
N110.0600.02.04.B1	6.01	-	60	25	34	0.2	10	110260	Δ
N110.0600.02.07.B1	6.01	-	75	40	49	0.2	10	110260	Δ

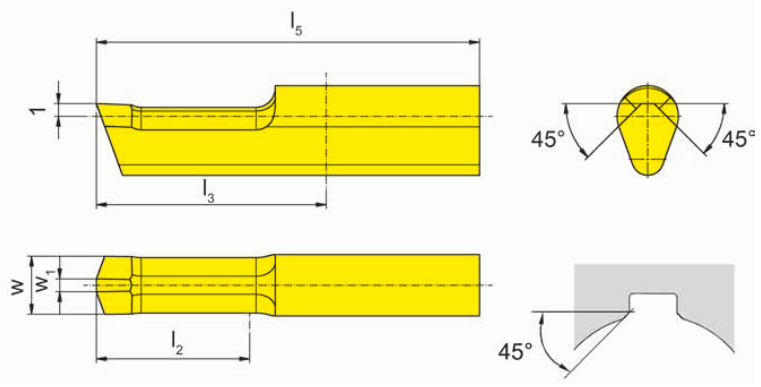
推荐:常规插削
Recommended for: conventional broaching

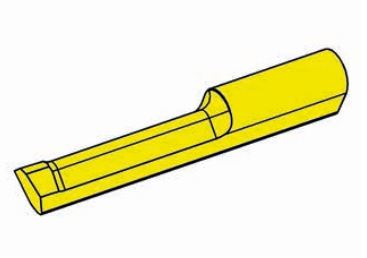
P	●
M	o
K	-
N	-
S	-
H	-

X

N105 / N110

.B.





硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	b	w_1	l_5	l_2	l_3	D_{min}	HIS	AN25
N105.4545.2.6.B1	4.5	7	1	30	12	18	6	105125	▲
N105.4545.3.6.B1	4.5	7	1	35	20	23	6	105125	▲
N110.4545.4.9.B1	6.3	-	2	60	25	34	9	110260	▲
N110.4545.7.9.B1	6.3	-	2	75	40	49	9	110260	▲

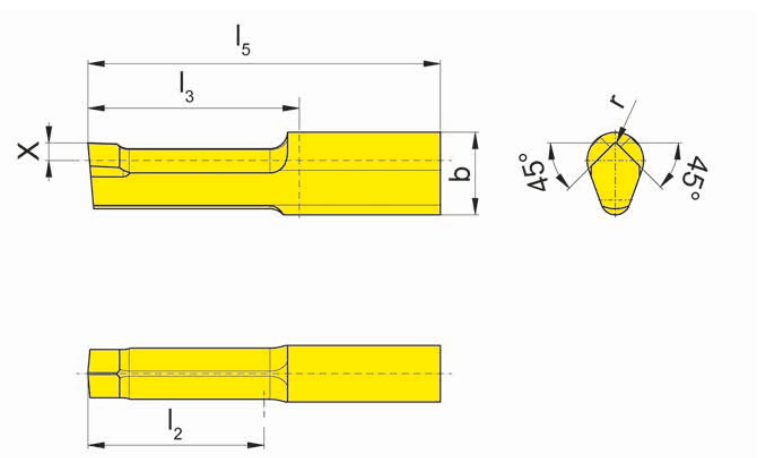
推荐:常规插削
Recommended for: conventional broaching

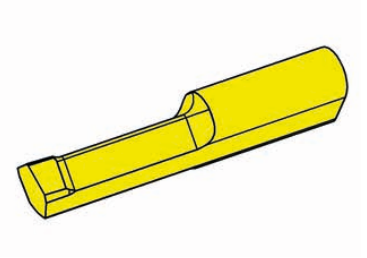
P	●
M	o
K	-
N	-
S	-
H	-

X

N105 / N110

.B.





硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	SW	b	l_5	l_2	l_3	r	底孔 Pilot diameter	X	HIS	AN25
N105.SQ.0405.1.B1	4-5	7	25	10	13	0,2	SW+0,1	1,5	105125	▲
N105.SQ.0506.1.B1	5-6	7	30	12	18	0,2	SW+0,1	1,5	105125	▲
N105.SQ.0608.2.B1	6-8	7	30	15	18	0,2	SW+0,1	1,5	105125	▲
N110.SQ.0810.2.B1	8-10	-	45	15	19	0,2	SW+0,1	2,5	110260	▲
N110.SQ.1013.2.B1	10-13	-	45	15	19	0,2	SW+0,2	2,5	110260	▲

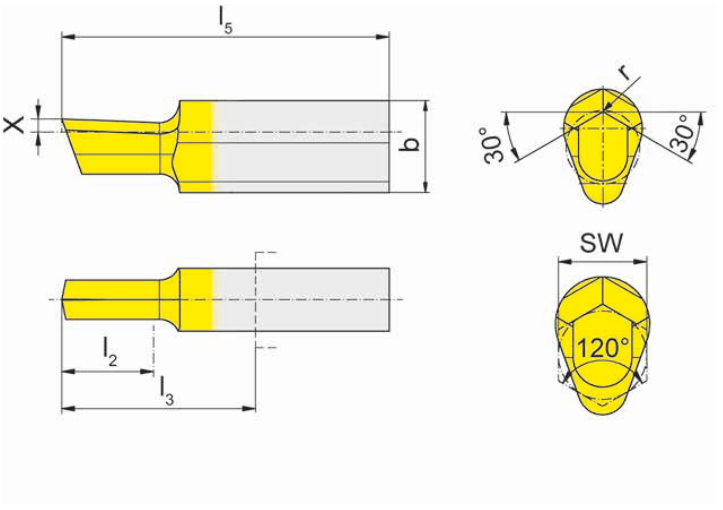
推荐:常规插削
Recommended for: conventional broaching

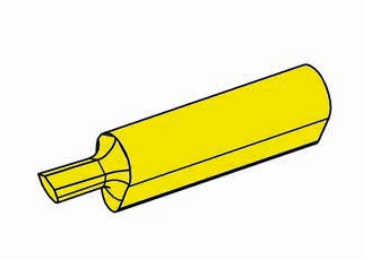
P	●
M	o
K	-
N	-
S	-
H	-

X

N105 / N110

.B.





硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	SW	l_5	l_2	l_3	r	底孔 Pilot diameter	X	HIS	AN25
N105.SW20.20.01.B1	2,0-2,0	25	4	13	0,05	SW	1	105125	▲
N105.SW25.25.01.B1	2,5-2,9	25	4	13	0,05	SW	1	105125	▲
N105.SW30.30.01.B1	2,9-3,5	25	4,5	13	0,05	SW	1	105125	▲
N105.SW35.35.01.B1	3,5-4,0	25	5,5	13	0,05	SW	1	105125	▲
N105.SW40.40.01.B1	4,0-4,5	25	6	13	0,1	SW	1	105125	▲
N105.SW45.45.01.B1	4,5-5,0	25	7	13	0,1	SW	1	105125	▲
N105.SW56.56.01.B1	5,0-8,0	25	9	13	0,1	SW	1	105125	▲
N105.SW80.80.01.B1	8,0-10,0	30	12	18	0,1	SW+0,1	1	105125	▲
N110.SW14.14.03.B1	10,0-14,0	55	20	29	0,2	SW+0,1	1,5	110260	▲
N110.SW16.16.04.B1	14,0-16,5/ 16,8-18,0	55	25	29	0,2	SW+0,1/ SW+0,2	2	110260	▲

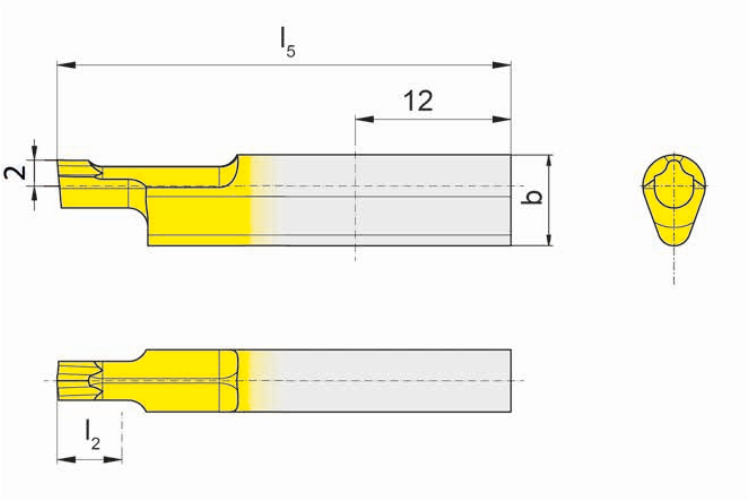
推荐:常规插削
Recommended for: conventional broaching

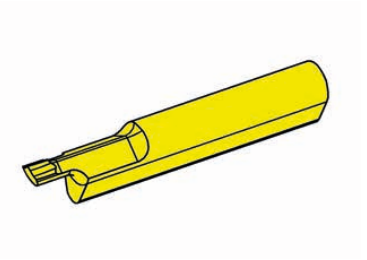
M	o
K	-
N	-
S	-
H	-

X

N105

.B.





硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	b	l_5	l_2	HIS	AN25
N105.TX15.24.03.B1	7	35	4	105125	▲
N105.TX20.28.03.B1	7	35	4	105125	▲
N105.TX25.32.03.B1	7	35	5	105125	▲
N105.TX30.40.03.B1	7	35	5	105125	▲

P	●
M	o
K	-
N	-
S	-
H	-

推荐:常规插削
Recommended for: conventional broaching

X

插削
Broaching

Nw	公差等级 Tolerance	宽 width	D_{min}	l_2	刀片 Insert ...A2/...B1	刀杆 Toolholder
2	C11	2.11	6	12	N105.0210.2.08. ...	SB105…
3	C11	3.11	6.5	12	N105.0310.2.10. ...	SB105…
3	C11	3.11	6.5	12	N105.0310.2.13. ...	SB105…
4	C11	4.14	6.5	12	N105.0410.2.16. ...	SB105…
4	C11	4.14	9	25	N110.0410.05.04. ...	SB110…
4	C11	4.14	9	40	N110.0410.05.07. ...	SB110…
5	C11	5.14	9	25	N110.0510.05.04. ...	SB110…
5	C11	5.14	9	40	N110.0510.05.07. ...	SB110…
6	C11	6.14	10	25	N110.0610.05.04. ...	SB110…
6	C11	6.14	10	40	N110.0610.05.07. ...	SB110…
2	D10	2.055	6	12	N105.0205.01.01. ...	SB105…
3	D10	3.055	6.5	12	N105.0305.01.01. ...	SB105…
3	D10	4.073	6.5	15	N105.0407.01.01. ...	SB105…
4	D10	4.073	9	25	N110.0407.02.04. ...	SB105…
4	D10	4.073	9	40	N110.0407.02.07. ...	SB110…
5	D10	5.073	9	25	N110.0507.02.04. ...	SB110…
5	D10	5.073	9	40	N110.0507.02.07. ...	SB110…
6	D10	6.073	10	25	N110.0607.02.04. ...	SB110…
6	D10	6.073	10	40	N110.0607.02.07. ...	SB110…
2	H9	2.02	6	12	N105.0202.01.01. ...	SB105…
3	H9	3.02	6.5	12	N105.0302.01.01. ...	SB105…
4	H9	4.025	6.5	15	N105.0402.01.01. ...	SB105…
4	H9	4.025	9	25	N110.0402.02.04. ...	SB110…
4	H9	4.025	9	40	N110.0402.02.07. ...	SB110…
5	H9	5.025	9	25	N110.0502.02.04. ...	SB110…
5	H9	5.025	9	40	N110.0502.02.07. ...	SB110…
6	H9	6.025	10	25	N110.0602.02.04. ...	SB110…
6	H9	6.025	10	40	N110.0602.02.07. ...	SB110…
2	P9	1.982	6	12	N105.0198.01.01. ...	SB105…
3	P9	2.989	6.5	12	N105.0298.01.01. ...	SB105…
4	P9	3.983	6.5	15	N105.0397.01.01. ...	SB105…
4	P9	3.983	9	25	N110.0397.02.04. ...	SB110…
4	P9	3.983	9	40	N110.0397.02.07. ...	SB110…
5	P9	4.983	9	25	N110.0497.02.04. ...	SB110…
5	P9	4.983	9	40	N110.0497.02.07. ...	SB110…
6	P9	5.983	10	25	N110.0597.02.04. ...	SB110…
6	P9	5.983	10	40	N110.0597.02.07. ...	SB110…

插削
Broaching

Nw	公差等级 Tolerance	宽 width	D_{min}	l_2	刀片 Insert ...A2/...B1	刀杆 Toolholder
2	JS9	2	6	12	N105.0200.01.01. ...	SB105…
3	JS9	3	6.5	12	N105.0300.01.01. ...	SB105…
4	JS9	4	6.5	15	N105.0400.01.01. ...	SB105…
4	JS9	4	6.5	15	N105.0400.02.01. ...	SB105…
4	JS9	4.01	9	25	N110.0400.02.04. ...	SB110…
4	JS9	4.01	9	40	N110.0400.02.07. ...	SB110…
5	JS9	5.01	9	25	N110.0500.02.04. ...	SB110…
5	JS9	5.01	9	40	N110.0500.02.07. ...	SB110…
6	JS9	6.01	10	25	N110.0600.02.04. ...	SB110…
6	JS9	6.01	10	40	N110.0600.02.07. ...	SB110…

倒角
Chamfering

宽 width	倒角 Chamfer	D_{min}	l_2	刀片 Insert ...A2/...B1	刀杆 Toolholder
4,5	45x45	6	12	N105.4545.2.6. ...	SB105
4,5	45x45	6	20	N105.4545.3.6. ...	SB105…
6,3	45x45	9	25	N110.4545.4.9. ...	SB110…
6,3	45x45	9	40	N110.4545.7.9. ...	SB110…

内六角
Hexagon socket

SW	D_{min}	l_2	刀片 Insert ...A2/...B1	刀杆 Toolholder
2	2	4	N105.SW20.20.01. ...	SB105
2.5 - 2.9	2.5	4	N105.SW25.25.01. ...	SB105…
2.9 - 3.5	3	4.5	N105.SW30.30.01. ...	SB105…
3.5 - 4.0	3.5	5.5	N105.SW35.35.01. ...	SB105…
4.0 - 4.5	4	6	N105.SW40.40.01. ...	SB105…
4.5 - 5.0	4.5	7	N105.SW45.45.01. ...	SB105…
5.0 - 8.0	5	9	N105.SW56.56.01. ...	SB105…
8.0 - 10.0	6.5	12	N105.SW80.80.01. ...	SB105…
10.0 - 14.0	9	20	N110.SW14.14.03. ...	SB110…
14.0 - 16.5	9	25	N110.SW16.16.04. ...	SB110…

插方
Square Broaching

SQ	D_{min}	l_2	刀片 Insert ...A2/...B1	刀杆 Toolholder
4 - 5	4,1	10	N105.SQ.0405.1. ...	SB105
5 - 6	5,1	12	N105.SQ.0506.1. ...	SB105...
6 - 8	6,1	15	N105.SQ.0608.2. ...	SB105...
8 - 10	8,1	15	N110.SQ.0810.2. ...	SB110...
10 - 13	10,2	15	N110.SQ.1013.2. ...	SB110...

Torx
Torx

Torx	D_{min}	l_2	刀片 Insert ...A2/...B1	刀杆 Toolholder
T15	2,3	4	N105.TX15.24.03. ...	SB105
T20	2,8	4	N105.TX20.28.03. ...	SB105...
T25	3,1	5	N105.TX25.32.03. ...	SB105...
T30	4	5	N105.TX30.40.03. ...	SB105...

插削
Broaching

刀杆
Toolholder
SHM117/SH117/
H117/356

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刀片
Insert
S117

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概述
Overview

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槽型 Geometry	材料 Material	加工方式 Machining
.A	P M K N S H	推荐:使用动力刀座 Recommended for: Broaching units ap = 0.020 - 0.15 mm
.B	P M K N S H	推荐:常规插削 Recommended for: Conventional broaching ap = 0.020 - 0.15 mm

X

117/356

刀杆和刀片

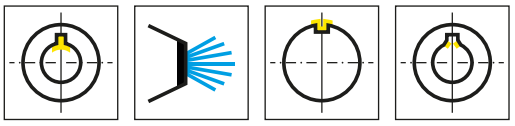
孔径Ø 自 13.5 mm

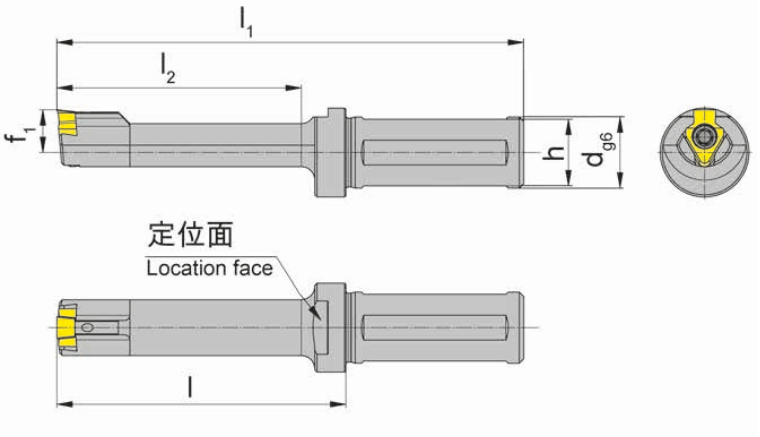
Toolholder and Inserts

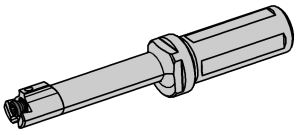
Bore Ø from 13,5 mm

X

SHM117 / SH117







产品型号 Part number	d	h	l	l_1	l_2	D_{min}	f_1	形式 Form	HWS
SHM117.1416.3.08	16	15	65	105	55	14	9.6	F	117F805
SH117.1425.1.3.08.IK	25	23	32	82	20	14	9.6	G	117G805
SH117.1425.2.3.08.IK	25	23	41	91	30	14	9.6	G	117G805
SH117.1425.3.3.08.IK	25	23	51	101	40	14	9.6	G	117G805
SH117.1425.1.08.IK	25	23	42	92	30	14	9.6	F	117F805
SH117.1425.2.08.IK	25	23	52	102	40	14	9.6	F	117F805
SH117.1425.3.08.IK	25	23	81	131	70	14	9.6	F	117F805
SH117.1425.4.08.IK	25	23	96	146	85	14	9.6	F	117F805
SH117.1725.1.10.IK	25	23	53	103	40	17	9.5	A	117A005
SH117.1725.2.10.IK	25	23	68	118	55	17	9.5	A	117A005
SH117.1725.3.10.IK	25	23	83	133	70	17	9.5	A	117A005
SH117.1725.4.10.IK	25	23	98	148	85	17	9.5	A	117A005
SH117.1725.5.10.IK	25	23	113	163	100	17	9.5	A	117A005
SH117.0025.1.10.IK	25	23	63	113	50	22	12	B	117B005
SH117.0025.2.10.IK	25	23	83	133	70	22	12	B	117B005
SH117.0025.3.10.IK	25	23	103	153	90	22	12	B	117B005
SH117.0025.4.10.IK	25	23	123	173	110	22	12	B	117B005
SH117.0025.5.10.IK	25	23	143	193	130	22	12	B	117B005

不包括 G1/8 内冷接头 – 需要单独采购！！
Coolant supply G1/8 is not included - separate order required!

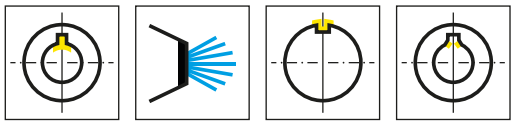
X

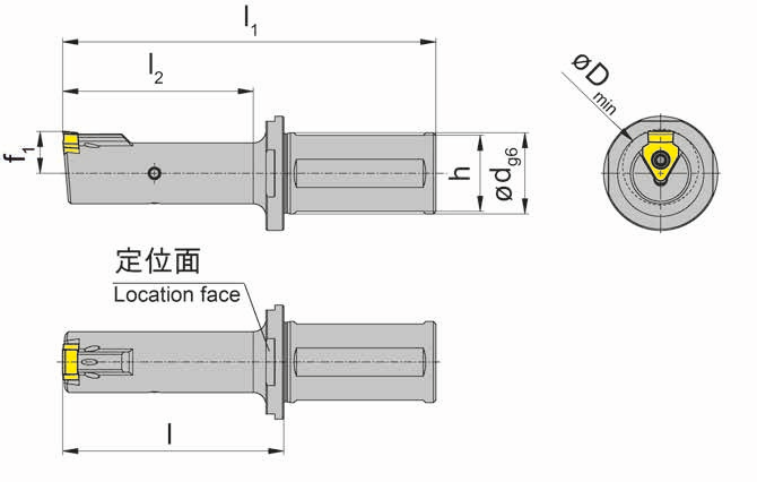
配件
Spare Parts

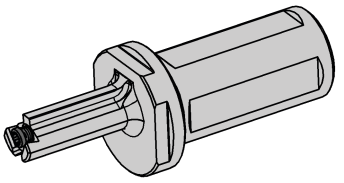
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
SH117...08.IK	**030.3509.T15P**	**T15PQ**
SH117...10.IK	**4.09T15P**	**T15PQ**
SH117...16.IK	**5.12T20P**	**T20PQ**
SHM117.1416.3.08	**030.350P.0709**	**T15PQ**

刀杆
Toolholder

SH117







产品型号 Part number	d	h	l	l_1	l_2	D_{min}	f_1	形式 Form	HWS
SH117.0032.1.16.IK	32	30	63	123	50	38	22	D	117D605
SH117.0032.2.16.IK	32	30	88	148	75	38	22	D	117D605
SH117.0032.3.16.IK	32	30	113	173	100	38	22	D	117D605
SH117.0032.4.16.IK	32	30	138	198	125	38	22	D	117D605
SH117.0032.5.16.IK	32	30	163	223	150	38	22	D	117D605
SH117.0032.6.16.IK	32	30	188	248	175	38	22	D	117D605
SH117.0032.7.16.IK	32	30	213	293	200	38	22	D	117D605
SH117.3032.1.16.IK	32	30	63	123	50	30	16.5	C	117C605
SH117.3032.2.16.IK	32	30	88	148	75	30	16.5	C	117C605
SH117.3032.3.16.IK	32	30	113	173	100	30	16.5	C	117C605
SH117.3032.4.16.IK	32	30	138	198	125	30	16.5	C	117C605
SH117.3032.5.16.IK	32	30	163	223	150	30	16.5	C	117C605
SH117.3032.6.16.IK	32	30	188	248	175	30	16.5	C	117C605

不包括 G1/8 内冷接头 – 需要单独采购！
Coolant supply G1/8 is not included - separate order required!

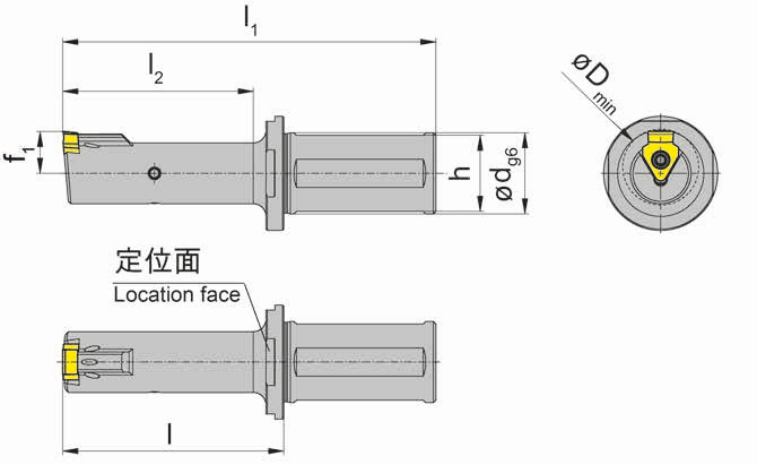
X

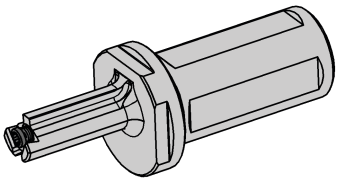
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
SH117...	**5.12T20P**	**T20PQ**

刀杆
Toolholder

SH117





产品型号 Part number	d	h	l	l_1	l_2	D_{min}	f_1	形式 Form	HWS
SH117.4032.1.16.IK	32	30	63	123	50	40	21.5	E	117E605
SH117.4032.2.16.IK	32	30	88	148	75	40	21.5	E	117E605
SH117.4032.3.16.IK	32	30	113	173	100	40	21.5	E	117E605
SH117.4032.4.16.IK	32	30	138	198	125	40	21.5	E	117E605
SH117.4032.5.16.IK	32	30	163	223	150	40	21.5	E	117E605
SH117.4032.6.16.IK	32	30	188	248	175	40	21.5	E	117E605
SH117.4032.7.16.IK	32	30	213	293	200	40	21.5	E	117E605
SH117.4032.1.20.IK	32	30	63	123	50	40	21	H	117H005
SH117.4032.2.20.IK	32	30	113	173	100	40	21	H	117H005
SH117.4032.3.20.IK	32	30	163	223	150	40	21	H	117H005
SH117.5040.1.20.IK	40	38	65	125	50	50	26.5	I	117I005
SH117.5040.2.20.IK	40	38	115	175	100	50	26.5	I	117I005
SH117.5040.3.20.IK	40	38	165	225	150	50	26.5	I	117I005
SH117.5040.4.20.IK	40	38	215	295	200	50	26.5	I	117I005

不包括 G1/8 内冷接头 – 需要单独采购！
Coolant supply G1/8 is not included - separate order required!

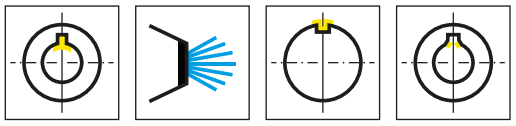
X

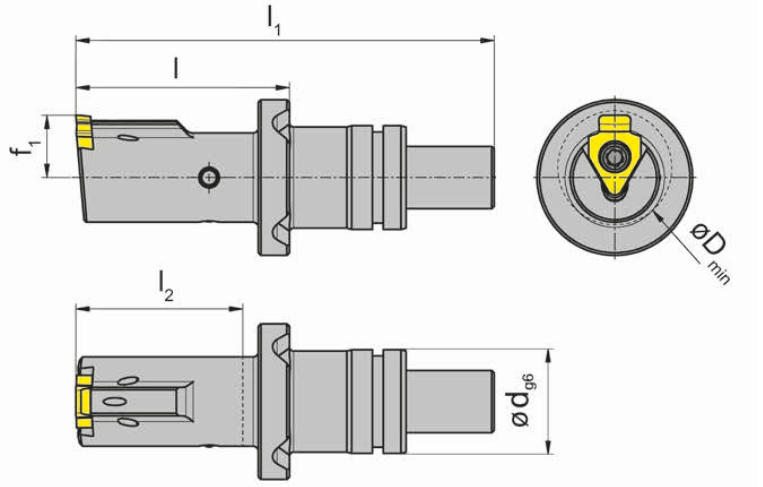
配件
Spare Parts

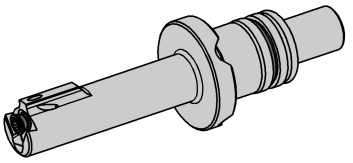
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
SH117.4032...	**5.12T20P**	**T20PQ**
SH117...	**6.17T20P**	**T20PQ**

刀杆
Toolholder

SH117







产品型号 Part number	d	l	l_1	l_2	D_{min}	f_1	形式 Form	HWS	HMS
SH117.1420.E5.08.IK	20	42.5	82	32	14	9.6	F	117F805	Benz
SH117.1720.E5.10.IK	20	41	80.5	32	17	9.5	A	117A005	Benz
SH117.1720.E6.10.IK	20	60	99.5	51	17	9.5	A	117A005	Benz
SH117.2220.E5.10.IK	20	41	80.5	32	22	12	B	117B005	Benz
SH117.2220.E6.10.IK	20	60	99.5	51	22	12	B	117B005	Benz
SH117.3020.E5.16.IK	20	41	80.5	32	30	16.5	C	117C605	Benz
SH117.3020.E6.16.IK	20	60	99.5	51	30	16.5	C	117C605	Benz

只适用于插削动力座 EWSP20, BENZ LinA 4.0 ，带内冷
only usable for broaching devices EWSP20, BENZ LinA 4.0 with IK

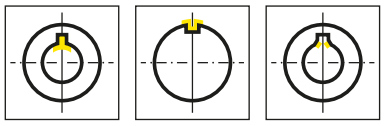
X

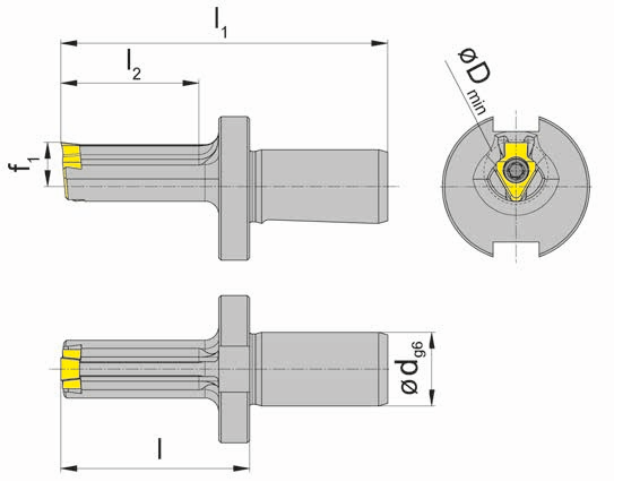
配件
Spare Parts

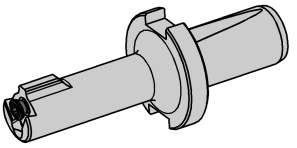
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench	O型圈 O-ring
SH117.1420.E5.08.IK	**030.3509.T15P**	**T15PQ**	**16.00.1.50.3601 NBR70**
SH117...	**4.09T15P**	**T15PQ**	**16.00.1.50.3601 NBR70**
SH117.3020....	**5.12T20P**	**T20PQ**	**16.00.1.50.3601 NBR70**

刀杆
Toolholder

SH117







产品型号 Part number	d	l	l_1	l_2	D_{min}	f_1	形式 Form	HWS	HMS
SH117.1416.E1.08	16	46	76	35	14	9.6	F	117F805	Benz
SH117.1716.E0.10	16	31	61	20	17	9.5	A	117A005	Benz
SH117.1716.E1.10	16	43	73	35	17	9.5	A	117A005	Benz
SH117.1716.E2.10	16	51	81	40	17	9.5	A	117A005	Benz
SH117.1716.E3.10	16	64	94	53	17	9.5	A	117A005	Benz
SH117.0016.E1.10	16	43	73	35	22	12	B	117B005	Benz
SH117.0016.E2.10	16	51	81	40	22	12	B	117B005	Benz
SH117.0016.E3.10	16	64	94	53	22	12	B	117B005	Benz

只适用于插削动力座EWS-Slot, BENZ LinA
only usable for broaching devices EWS-Slot, BENZ LinA

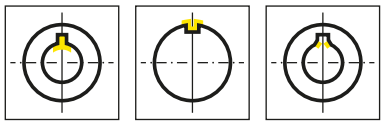
X

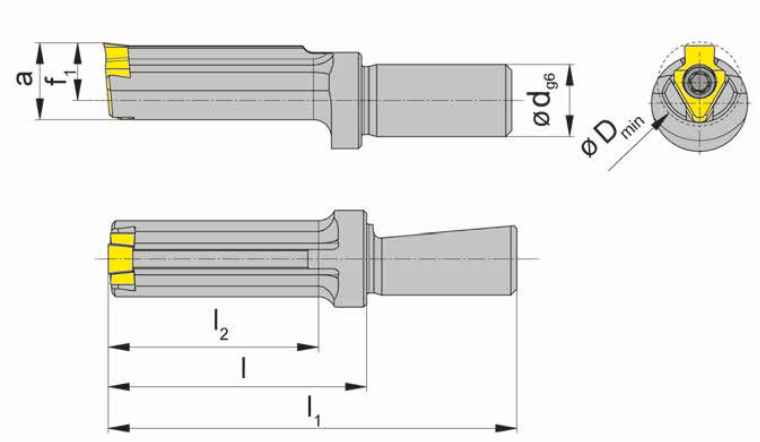
配件
Spare Parts

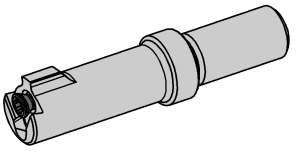
刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
SH117.1416.E1.08	**030.3509.T15P**	**T15PQ**
SH117...	**4.09T15P**	**T15PQ**

刀杆
Toolholder

SH117 / H117







产品型号 Part number	d	l	l_1	l_2	D_{min}	f_1	a	形式 Form	HWS	HMS
SH117.1412.S1.08	12	33	58	25	14	9.6	12.8	F	117F805	Schwarzer
SH117.1412.S2.08	12	43	68	35	14	9.6	12.8	F	117F805	Schwarzer
H117.1712.1439	12	33	58	25	17	9.5	16	A	117A005	Schwarzer
H117.1712.1407	12	43	68	35	17	9.5	16	A	117A005	Schwarzer
H117.2212.1441	12	33	58	25	22	12	20.75	B	117B005	Schwarzer
H117.2212.1442	12	43	68	35	22	12	20.75	B	117B005	Schwarzer
H117.3012.1440	12	33	58	25	30	16.5	28.5	C	117C605	Schwarzer
H117.3012.1419	12	43	68	35	30	16.5	28.5	C	117C605	Schwarzer

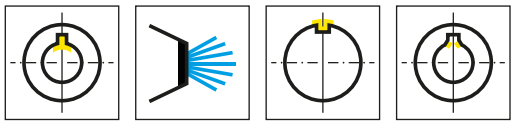
用于插削动力座Schwarzer
for broaching device Schwarzer

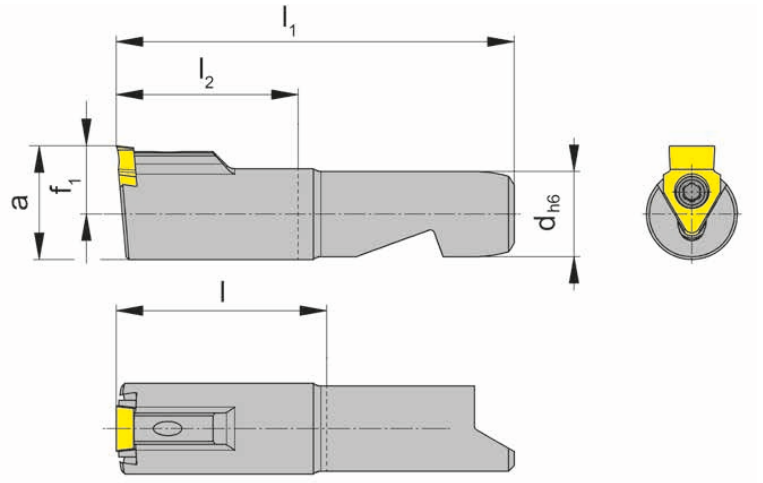
X

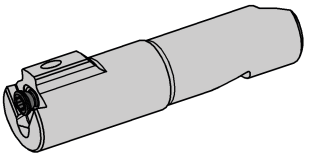
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
SH117.1412....	**030.3509.T15P**	**T15PQ**
H117...	**4.09T15P**	**T15PQ**
H117.3012.1...	**5.12T20P**	**T20PQ**

SH117







产品型号 Part number	d	l	l_1	l_2	D_{min}	f_1	a	形式 Form	HWS	HMS
SH117.0932.S.08	15	37	70	32	14	9.6	12.8	F	117F805	Schwarzer
SH117.1532.S.10	15	37	70	32	22	12	20	B	117B005	Schwarzer
SH117.1538.S.16	15	43	76	38	30	15	24	C	117C605	Schwarzer
SH117.1544.S.16	15	49	82	44	30	15	24	C	117C605	Schwarzer

用于插削动力座Schwarzer“2in1”
for broaching device Schwarzer „2in1“

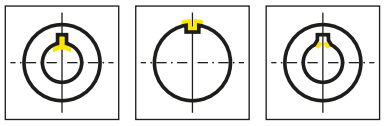
X

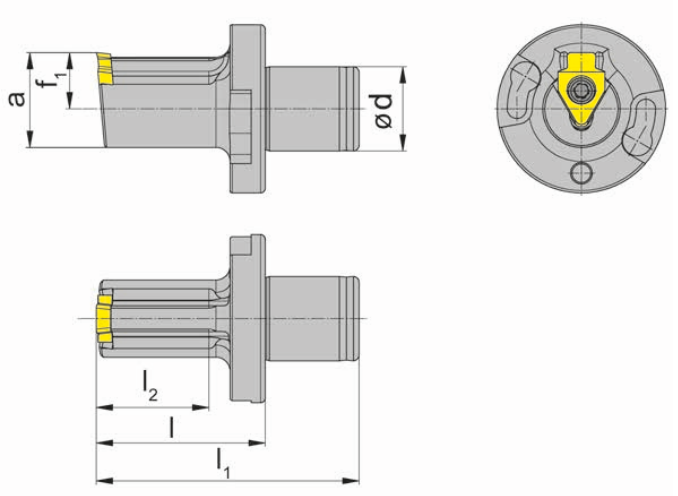
配件
Spare Parts

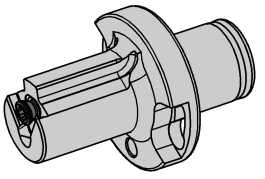
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
SH117.0932.S.08	**030.3509.T15P**	**T15PQ**
SH117.1532.S.10	**4.09T15P**	**T15PQ**
SH117.1...	**5.12T20P**	**T20PQ**

刀杆
Toolholder

SH117







产品型号 Part number	d	l	l_1	l_2	D_{min}	f_1	a	形式 Form	HWS	HMS
SH117.2218.A1.10	18	36	56	24	22	12	20.25	B	117B005	AR2P

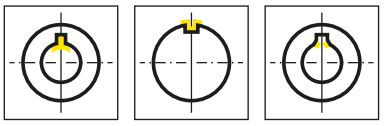
用于插削设备AP2R/AP3R
for broaching device AP2R/AP3R

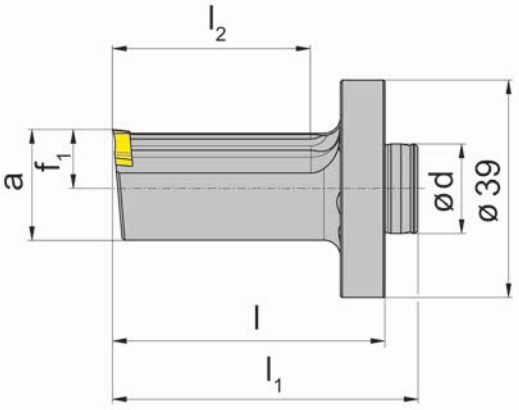
X

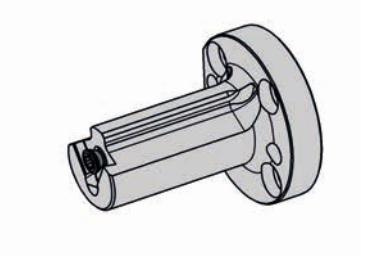
配件
Spare Parts

刀杆 Toolholder	**锁紧螺钉** Clamping Screw	**TORX PLUS®扳手** TORX PLUS® Wrench
SH117.2218.A1.10	**4.09T15P**	**T15PQ**

SH117







产品型号 Part number	d	l	l_1	l_2	D_{min}	f_1	a	形式 Form	HWS	HMS
SH117.1716.W1.10	16	49	55	35	17	8.3	15.1	A	117A005	WTO
SH117.2216.W1.10	16	49	55	35	22	10.6	19.8	B	117B005	WTO
SH117.2616.W1.16	16	49	55	35	26	12.6	23.5	C	117C605	WTO
SH117.1716.W2.10	16	67	73	55	17	8.3	15.1	A	117A005	WTO
SH117.2216.W2.10	16	67	73	55	22	10.6	20.05	B	117B005	WTO
SH117.2616.W2.16	16	67	73	55	26	12.6	23.5	C	117C605	WTO

用于插削动力座WTO
for broaching device WTO

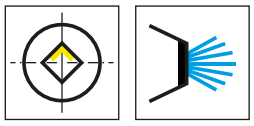
X

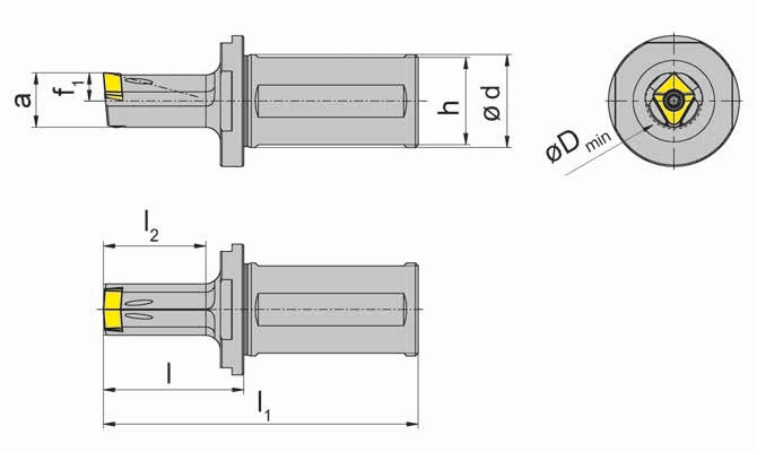
配件
Spare Parts

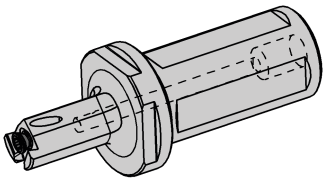
刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
SH117...	**4.09T15P**	**T15PQ**
SH117.2616.W1.16	**5.12T20P**	**T20PQ**

刀杆
Toolholder

SH117







产品型号 Part number	d	h	l	l_1	l_2	D_{min}	f_1	a	HWS
SH117.1325.SQ.1.08.IK	25	23	38	88	25	13.5	6.5	12.8	1170805
SH117.1525.SQ.1.10.IK	25	23	38	88	25	15.5	7.5	14.65	1171005
SH117.1732.SQ.1.12.IK	32	30	43	103	30	17.5	8.5	16.5	1171205
SH117.1932.SQ.1.16.IK	32	30	48	108	35	19.5	9.7	18.7	1171605

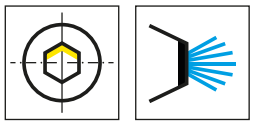
不包括 G1/8 内冷接头 – 需要单独采购！
Coolant supply G1/8 is not included - separate order required!

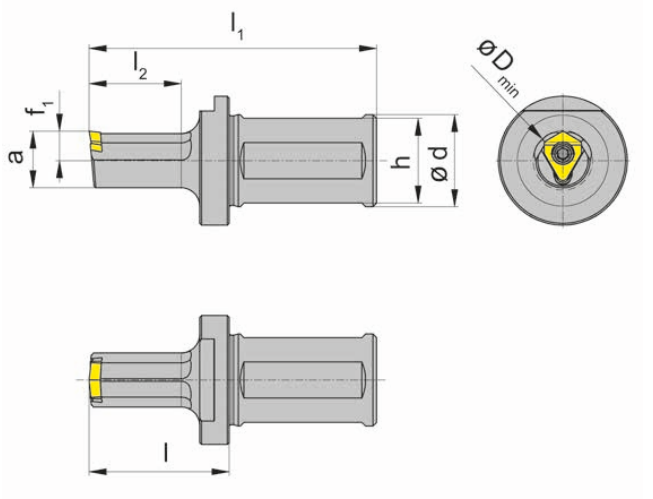
X

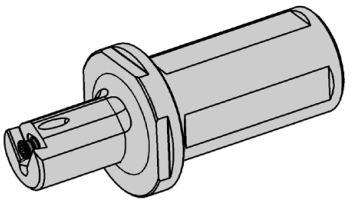
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
SH117.1325.SQ.1.08.IK	**030.3509.T15P**	**T15PQ**
SH117....	**4.09T15P**	**T15PQ**
SH117.1932.SQ.1.16.IK	**5.12T20P**	**T20PQ**

SH117







产品型号 Part number	d	h	l	l_1	l_2	D_{min}	f_1	a	HWS
SH117.1425.30.1.08.IK	25	23	33	83	20	14.2	6.75	13	1170805
SH117.1625.30.1.10.IK	25	23	38	88	25	16.2	7.75	15	1171005
SH117.2432.30.1.12.IK	32	30	43	103	30	24.3	11.3	22	1171205
SH117.3032.30.1.16.IK	32	30	53	113	40	30.5	14.5	28	1171605

不包括 G1/8 内冷接头 – 需要单独采购!
Coolant supply G1/8 is not included - separate order required!

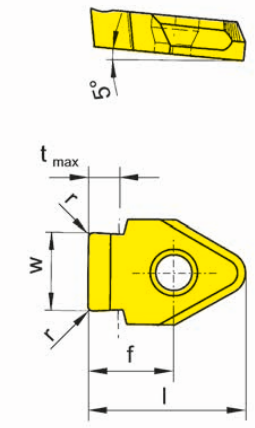
X

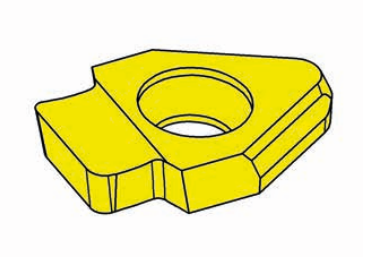
配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
SH117.1425.30.1.08.IK	**030.3509.T15P**	**T15PQ**
SH117...	**4.09T15P**	**T15PQ**
SH117.3032.30.1.16.IK	**5.12T20P**	**T20PQ**

S117

C11 .A.





硬质合金牌号
Carbide grades

▲ 库存 on stock　　Δ 4周 4 weeks

产品型号 Part number	Nw	w	l	r	D_{min}	t_{max}	f	形式 Form	HIS	AN45
S117.0412.05.08.A1	4	4.12	13	0.5	14	2.1	6	F	117F805	▲
S117.0612.09.10.A1	6	6.12	16	0.85	22	2.6	8	B	117B005	▲
S117.0713.11.10.A1	7	7.13	16	1.05	22	3.3	8	B	117B005	▲
S117.0813.11.10.A1	8	8.13	16	1.05	22	3.4	8	B	117B005	▲
S117.1013.11.14.A1	10	10.13	20.7	1.05	30	4.2	11.2	C	117C605	▲
S117.1215.14.14.A1	12	12.15	20.7	1.35	38	5.1	11.2	D	117D605	▲
S117.1215.18.14.A1	16	12.15	20.7	1.75	38	6.6	11.2	D	117D605	▲
S117.1215.23.14.A1	24	12.15	20.7	2.25	38	8.5	11.2	D	117D605	▲

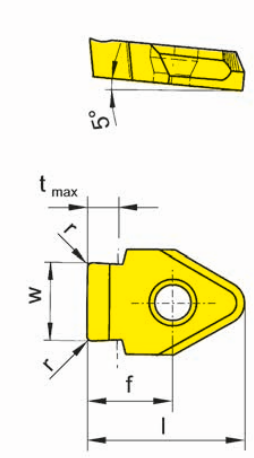
推荐:使用动力刀座
Recommended for: Broaching units

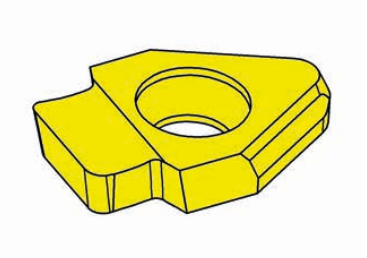
P	●
M	o
K	●
N	●
S	o
H	-

X

S117

D10 .A.





硬质合金牌号
Carbide grades

▲ 库存 on stock　　Δ 4周 4 weeks

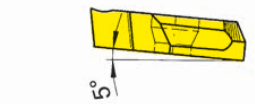
产品型号 Part number	Nw	w	l	r	D_{min}	t_{max}	f	形式 Form	HIS		AN45
S117.0305.01.08.A1	3	3.05	13	0.12	14	2	6	G	117G805		▲
S117.0407.01.08.A1	4	4.07	13	0.12	14	2.2	6	F	117F805		▲
S117.0507.02.08.A1	5	5.07	13	0.2	14	2.9	6	F	117F805		▲
S117.0507.02.10.A1	5	5.07	14.5	0.2	14	2.8	6.5	A	117A005		▲
S117.0607.02.10.A1	6	6.07	14.5	0.2	17	3.5	6.5	A	117A005		▲
S117.0808.02.10.A1	8	8.08	16	0.2	22	4.3	8	B	117B005		▲
S117.1008.03.14.A1	10	10.08	20.7	0.3	30	4.4	11.2	C	117C605		▲
S117.1210.03.14.A1	12	12.1	20.7	0.3	38	5.9	11.2	D	117D605		▲
S117.1410.03.16.A1	14	14.1	20.7	0.3	40	6.8	11.2	E	117E605		▲
										P	●
										M	o
										K	●
										N	●
										S	o
										H	-

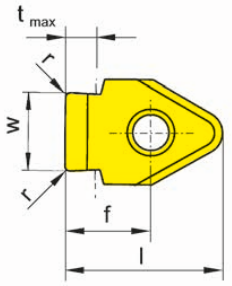
推荐:使用动力刀座
Recommended for: Broaching units

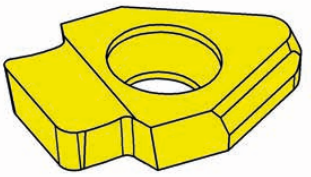
X

S117

H9 | .A.







硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	Nw	w	l	r	D_{min}	t_{max}	f	形式 Form	HIS	AN45
S117.0302.01.08.A1	3	3.02	13	0.12	14	2	6	G	117G805	▲
S117.0402.01.08.A1	4	4.02	13	0.12	14	2.2	6	F	117F805	▲
S117.0502.02.08.A1	5	5.02	13	0.2	14	2.9	6	F	117F805	▲
S117.0502.02.10.A1	5	5.02	14.5	0.2	17	2.8	6.5	A	117A005	▲
S117.0602.02.10.A1	6	6.02	14.5	0.2	17	3.5	6.5	A	117A005	▲
S117.0803.02.10.A1	8	8.03	16	0.2	22	4.3	8	B	117B005	▲
S117.1003.03.14.A1	10	10.03	20.7	0.3	30	4.4	11.2	C	117C605	▲
S117.1203.03.14.A1	12	12.04	20.7	0.3	38	5.9	11.2	D	117D605	▲
S117.1403.03.16.A1	14	14.04	20.7	0.3	40	6.8	11.2	E	117E605	▲

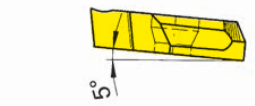
推荐:使用动力刀座
Recommended for: Broaching units

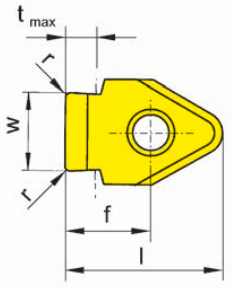
P	●
M	o
K	●
N	●
S	o
H	-

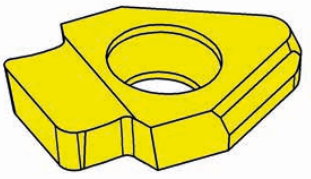
X

S117

P9 .A.







硬质合金牌号
Carbide grades

▲ 库存 on stock　　Δ 4周 4 weeks

产品型号 Part number	Nw	w	l	r	D_{min}	t_{max}	f	形式 Form	HIS	AN45
S117.0298.01.08.A1	3	2.99	13	0.12	14	2	6	G	117G805	▲
S117.0397.01.08.A1	4	3.98	13	0.12	14	2.2	6	F	117F805	▲
S117.0497.02.08.A1	5	4.98	13	0.2	14	2.9	6	F	117F805	▲
S117.0497.02.10.A1	5	4.98	14.5	0.2	17	2.8	6.5	A	117A005	▲
S117.0597.02.10.A1	6	5.98	14.5	0.2	17	3.5	6.5	A	117A005	▲
S117.0796.02.10.A1	8	7.98	16	0.2	22	4.3	8	B	117B005	▲
S117.0996.03.14.A1	10	9.98	20.7	0.3	30	4.4	11.2	C	117C605	▲
S117.1196.03.14.A1	12	11.97	20.7	0.3	38	5.9	11.2	D	117D605	▲
S117.1396.03.16.A1	14	13.97	20.7	0.3	40	6.8	11.2	E	117E605	▲

推荐:使用动力刀座
Recommended for: Broaching units

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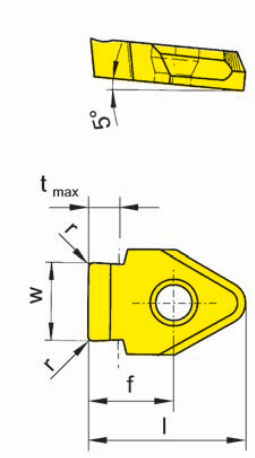

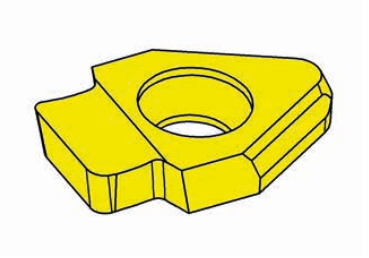

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	Nw	w	l	r	D_{min}	t_{max}	f	形式 Form	HIS		AN45
S117.0300.01.08.A1	3	3.01	13	0.12	14	2	6	G	117G805		▲
S117.0400.01.08.A1	4	4.01	13	0.12	14	2.2	6	F	117F805		▲
S117.0500.02.08.A1	5	5.01	13	0.2	14	2.9	6	F	117F805		▲
S117.0500.02.10.A1	5	5.01	14.5	0.2	17	2.8	6.5	A	117A005		▲
S117.0600.02.10.A1	6	6.01	14.5	0.2	17	3.5	6.5	A	117A005		▲
S117.0800.02.10.A1	8	8.01	16	0.2	22	4.3	8	B	117B005		▲
S117.1000.03.14.A1	10	10.01	20.7	0.3	30	4.4	11.2	C	117C605		▲
S117.1200.03.14.A1	12	12.01	20.7	0.3	38	5.9	11.2	D	117D605		▲
S117.1200.05.14.A1	12	12	20.7	0.5	38	8.5	11.2	D	117D605		▲
S117.1400.03.16.A1	14	14.01	20.7	0.3	40	6.8	11.2	E	117E605		▲

推荐:使用动力刀座
Recommended for: Broaching units

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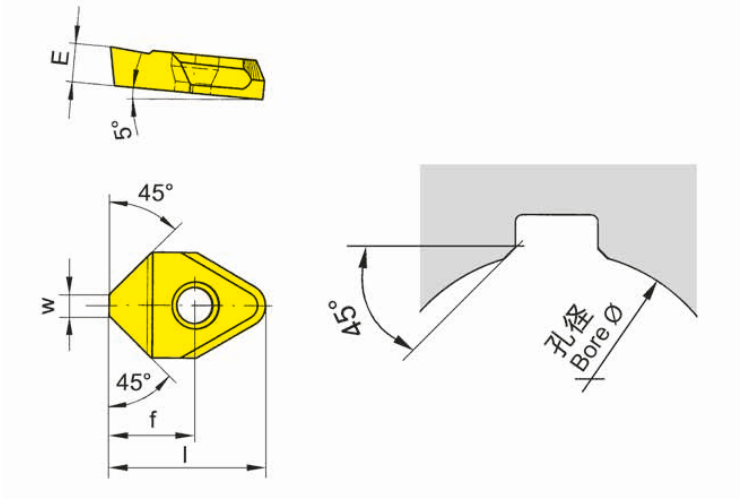

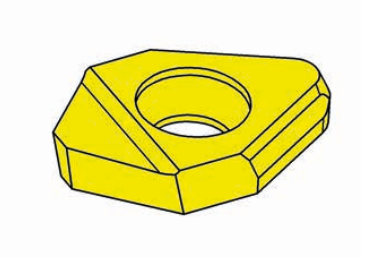

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	w	l	D_{min}	f	形式 Form	HIS	AN45
S117.1545.10.A1	1.5	16	17	8	A	117A005	▲
S117.2445.08.A1	2.4	13	14	6	F	117F805	▲
S117.3045.10.A1	3	16	22	8	B	117B005	▲
S117.6045.14.A1	6	20.7	30	11.2	C/D	117C605 • 117D605	▲

推荐:使用动力刀座
Recommended for: Broaching units

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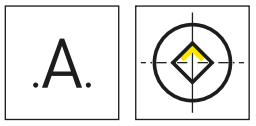

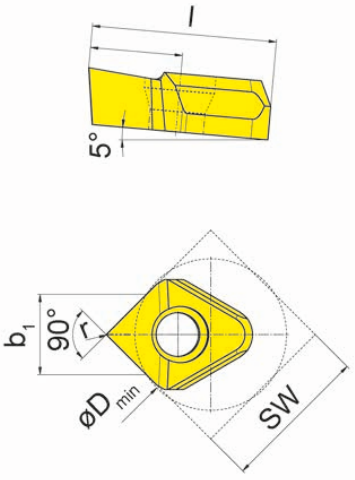

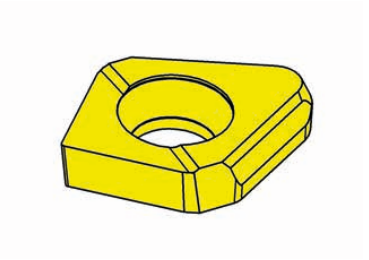

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	SW	b_1	l	r	D_{min}	刀杆 Toolholder	HIS	AN45
S117.SQ.1315.08.A1	13-15	6.61-7.84	13	0.2	13.5	SH117.1325.SQ.1.08.IK	1170805	▲
S117.SQ.1517.10.A1	15-17	7.84-9.08	14.8	0.2	15.5	SH117.1525.SQ.1.10 IK	1171005	▲
S117.SQ.1719.12.A1	17-19	9.08-10.33	16.7	0.2	17.5	SH117.1732.SQ.1.12.IK	1171205	▲
S117.SQ.1922.16.A1	19-22	10.33-12.22	19	0.2	19.5	SH117.1932.SQ.1.16.IK	1171605	▲

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推荐:使用动力刀座
Recommended for: Broaching units

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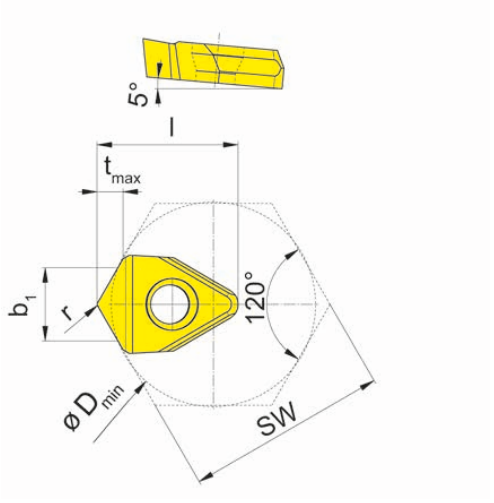

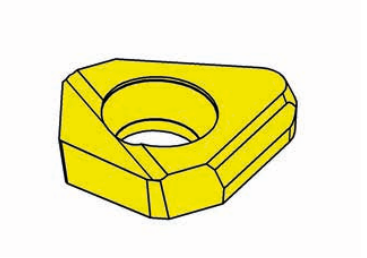

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	SW	b_1	l	r	D_{min}	t_{max}	刀杆 Toolholder	HIS	AN45
S117.SW14.08.A1	14-16	4.94-5.80	13	0.2	14.2-16.2	1.9	SH117.1425.30.1.08	1170805	▲
S117.SW16.10.A1	16-22	5.80-8.43	14	0.2	16.2-22.2	2.5	SH117.1625.30.1.10	1171005	▲
S117.SW24.12.A1	24-27	8.70-10.00	17	0.3	24.3-27.3	3	SH117.2432.30.1.12	1171205	▲
S117.SW30.16.A1	30-36	11.32-13.97	20.7	0.3	30.3-36.3	4.2	SH117.3032.30.1.16	1171605	▲

推荐:使用动力刀座
Recommended for: Broaching units

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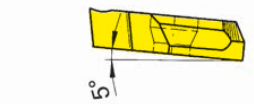

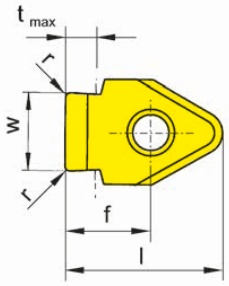

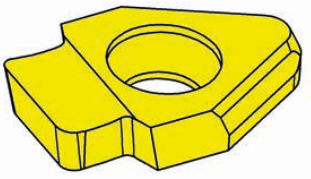

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	Nw	w	l	r	D_{min}	t_{max}	f	形式 Form	HIS	AN45
S117.0310.04.08.B1	3	3.1	13	0.35	14	2	6	G	117G805	▲
S117.0412.05.08.B1	4	4.12	13	0.5	14	2.1	6	F	117F805	▲
S117.0612.09.10.B1	6	6.12	16	0.85	22	2.6	8	B	117B005	▲
S117.0713.11.10.B1	7	7.13	16	1.05	22	3.3	8	B	117B005	▲
S117.0813.11.10.B1	8	8.13	16	1.05	22	3.4	8	B	117B005	▲
S117.1013.11.14.B1	10	10.13	20.7	1.05	30	4.2	11.2	C	117C605	▲
S117.1215.14.14.B1	12	12.15	20.7	1.35	38	5.1	11.2	D	117D605	▲
S117.1215.18.14.B1	16	12.15	20.7	1.75	38	6.6	11.2	D	117D605	▲
S117.1215.23.14.B1	24	12.15	20.7	2.25	38	8.5	11.2	D	117D605	▲
S117.1417.14.16.B1	14	14.17	20.7	1.35	40	6.8	11.2	E	117E605	▲
S117.1617.18.18.B1	16	16.17	28.6	1.75	40	6.8	15.6	H	117H005	▲
S117.1817.18.20.B1	18	18.17	28.6	1.75	50	7.8	15.6	I	117I005	▲
S117.2020.20.20.B1	20	20.2	28.6	1.95	50	7.8	15.6	I	117I005	▲

推荐:常规插削
Recommended for: conventional broaching

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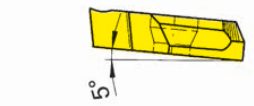

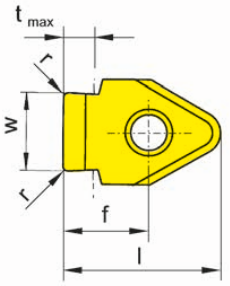

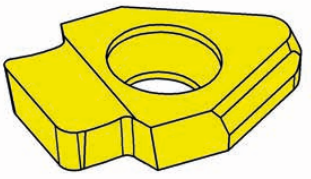

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	Nw	w	l	r	D_{min}	t_{max}	f	形式 Form	HIS	AN45
S117.0305.01.08.B1	3	3.05	13	0.12	14	2	6	G	117G805	▲
S117.0407.01.08.B1	4	4.07	13	0.12	14	2.2	6	F	117F805	▲
S117.0507.02.08.B1	5	5.07	13	0.2	14	2.9	6	F	117F805	▲
S117.0507.02.10.B1	5	5.07	14.5	0.2	17	2.8	6.5	A	117A005	▲
S117.0607.02.10.B1	6	6.07	14.5	0.2	17	3.5	6.5	A	117A005	▲
S117.0808.02.10.B1	8	8.08	16	0.2	22	4.3	8	B	117B005	▲
S117.1008.03.14.B1	10	10.08	20.7	0.3	30	4.4	11.2	C	117C605	▲
S117.1210.03.14.B1	12	12.1	20.7	0.3	38	5.9	11.2	D	117D605	▲
S117.1410.03.16.B1	14	14.1	20.7	0.3	40	6.8	11.2	E	117E605	▲
S117.1610.03.18.B1	16	16.1	26.8	0.3	40	6.8	15.4	H	117H005	▲
S117.1810.03.20.B1	18	18.1	26.8	0.3	50	7.8	15.6	I	117I005	▲
S117.2012.05.20.B1	20	20.12	26.8	0.5	50	8.5	15.6	I	117I005	▲

推荐:常规插削
Recommended for: conventional broaching

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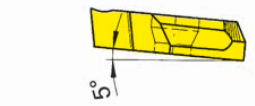

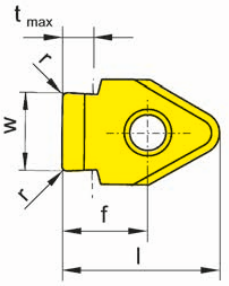

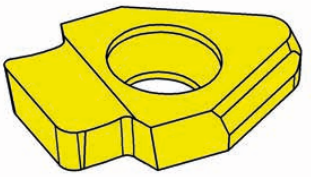

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	Nw	w	l	r	D_{min}	t_{max}	f	形式 Form	HIS	AN45
S117.0302.01.08.B1	3	3.02	13	0.12	14	2	6	G	117G805	▲
S117.0402.01.08.B1	4	4.02	13	0.12	14	2.2	6	F	117F805	▲
S117.0502.02.08.B1	5	5.02	13	0.2	14	2.9	6	F	117F805	▲
S117.0502.02.10.B1	5	5.02	14.5	0.2	17	2.8	6.5	A	117A005	▲
S117.0602.02.10.B1	6	6.02	14.5	0.2	17	3.5	6.5	A	117A005	▲
S117.0803.02.10.B1	8	8.03	16	0.2	22	4.3	8	B	117B005	▲
S117.1003.03.14.B1	10	10.03	20.7	0.3	30	4.4	11.2	C	117C605	▲
S117.1203.03.14.B1	12	12.04	20.7	0.3	38	5.9	11.2	D	117D605	▲
S117.1403.03.16.B1	14	14.04	20.7	0.3	40	6.8	11.2	E	117E605	▲
S117.1603.03.18.B1	16	16.04	28.6	0.3	40	6.8	15.6	H	117H005	▲
S117.1803.03.20.B1	18	18.04	28.6	0.3	50	7.8	15.6	I	117I005	▲
S117.2004.05.20.B1	20	20.04	28.6	0.5	50	8.5	15.6	I	117I005	▲

推荐:常规插削
Recommended for: conventional broaching

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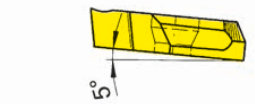

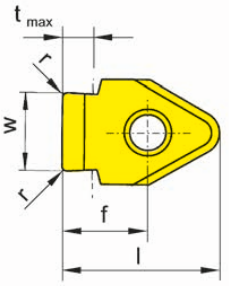

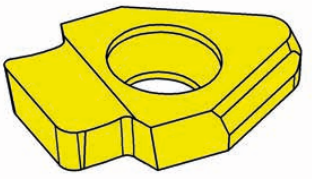

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	Nw	w	l	r	D_{min}	t_{max}	f	形式 Form	HIS	AN45
S117.0298.01.08.B1	3	2.99	13	0.12	14	2	6	G	117G805	▲
S117.0397.01.08.B1	4	3.98	13	0.12	14	2.2	6	F	117F805	▲
S117.0497.02.08.B1	5	4.98	13	0.2	14	2.9	6	F	117F805	▲
S117.0497.02.10.B1	5	4.98	14.5	0.2	17	2.8	6.5	A	117A005	▲
S117.0597.02.10.B1	6	5.98	14.5	0.2	17	3.5	6.5	A	117A005	▲
S117.0796.02.10.B1	8	7.98	16	0.2	22	4.3	8	B	117B005	▲
S117.0996.03.14.B1	10	9.98	20.7	0.3	30	4.4	11.2	C	117C605	▲
S117.1196.03.14.B1	12	11.97	20.7	0.3	38	5.9	11.2	D	117D605	▲
S117.1396.03.16.B1	14	13.97	20.7	0.3	40	6.8	11.2	E	117E605	▲
S117.1597.03.18.B1	16	15.97	28.6	0.3	40	6.8	15.6	H	117H005	▲
S117.1797.03.20.B1	18	17.97	28.6	0.3	50	7.8	15.6	I	117I005	▲
S117.1997.05.20.B1	20	19.97	28.6	0.5	50	8.5	15.6	I	117I005	▲

推荐:常规插削
Recommended for: conventional broaching

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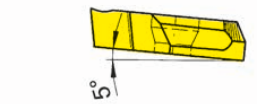
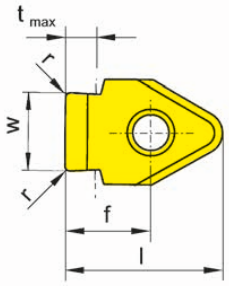
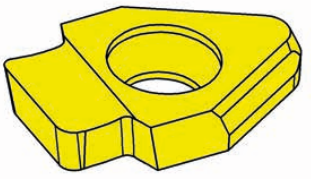






硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	Nw	w	l	r	D_{min}	t_{max}	f	形式 Form	HIS	AN45
S117.0300.01.08.B1	3	3.01	13	0.12	14	2	6	G	117G805	▲
S117.0400.01.08.B1	4	4.01	13	0.12	14	2.2	6	F	117F805	▲
S117.0500.02.08.B1	5	5.01	13	0.2	14	2.9	6	F	117F805	▲
S117.0500.02.10.B1	5	5.01	14.5	0.2	17	2.8	6.5	A	117A005	▲
S117.0600.02.10.B1	6	6.01	14.5	0.2	17	3.5	6.5	A	117A005	▲
S117.0800.02.10.B1	8	8.01	16	0.2	22	4.3	8	B	117B005	▲
S117.1000.03.14.B1	10	10.01	20.7	0.3	30	4.4	11.2	C	117C605	▲
S117.1200.03.14.B1	12	12.01	20.7	0.3	38	5.9	11.2	D	117D605	▲
S117.1200.05.14.B1	12	12	20.7	0.5	38	8.5	11.2	D	117D605	▲
S117.1400.03.16.B1	14	14.01	20.7	0.3	40	6.8	11.2	E	117E605	▲
S117.1601.03.18.B1	16	16.01	28.6	0.3	40	6.8	15.6	H	117H005	▲
S117.1801.03.20.B1	18	18.01	28.6	0.3	50	7.8	15.6	I	117I005	▲
S117.2002.05.20.B1	20	20.02	28.6	0.5	50	8.5	15.6	I	117I005	▲

推荐:常规插削
Recommended for: conventional broaching

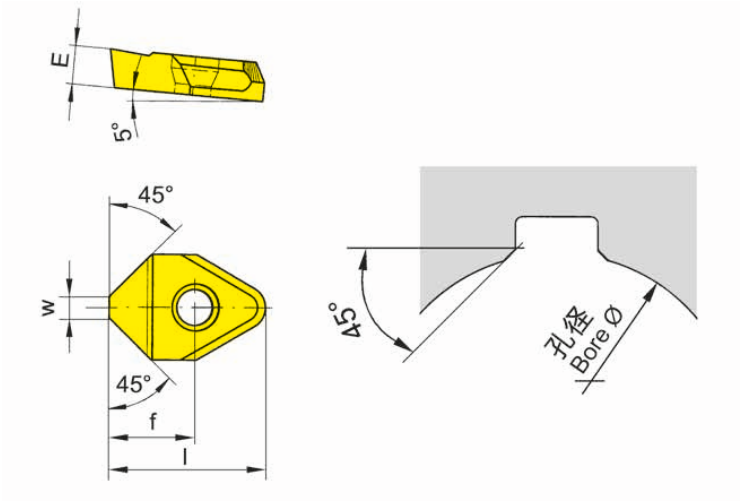
刀片S117.1200.05.14=Nw自 12mm开始!
Insert S117.1200.05.14 = Nw from 12 mm!

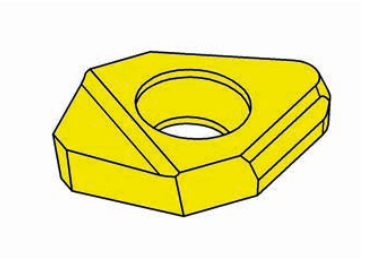
P	●
M	o
K	●
N	●
S	o
H	-

X

S117

.B.





硬质合金牌号
Carbide grades

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4 weeks

产品型号 Part number	w	l	D_{min}	f	形式 Form	HIS	AN45
S117.1545.10.B2	1.5	16	17	8	A	117A005	▲
S117.2445.08.B2	2.4	13	14	6	F	117F805	▲
S117.3045.10.B2	3	16	22	8	B	117B005	▲
S117.6045.14.B2	6	20.7	30	11.2	C/D	117C605 • 117D605	▲

P	●
M	o
K	●
N	●
S	o
H	-

推荐:常规插削
Recommended for: conventional broaching

X

S117

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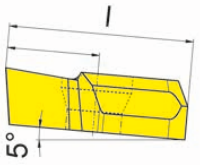

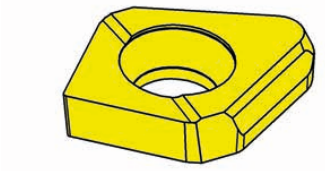

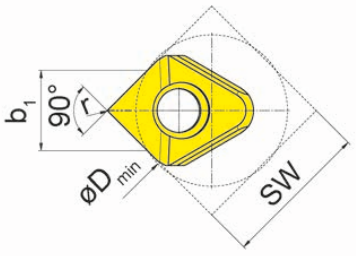

硬质合金牌号
Carbide grades

▲ 库存
on stock

Δ 4周
4 weeks

产品型号 Part number	SW	b_1	l	r	D_{min}	刀杆 Toolholder	HIS	AN45
S117.SQ.1315.08.B2	13-15	6.61-7.84	13	0.2	13.5	SH117.1325.SQ.1.08.IK	1170805	▲
S117.SQ.1517.10.B2	15-17	7.84-9.08	14.8	0.2	15.5	SH117.1525.SQ.1.10 IK	1171005	▲
S117.SQ.1719.12.B2	17-19	9.08-10.33	16.7	0.2	17.5	SH117.1732.SQ.1.12.IK	1171205	▲
S117.SQ.1922.16.B2	19-22	10.33-12.22	19	0.2	19.5	SH117.1932.SQ.1.16.IK	1171605	▲

P	●
M	o
K	●
N	●
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H	-

推荐:常规插削
Recommended for: conventional broaching

X

S117

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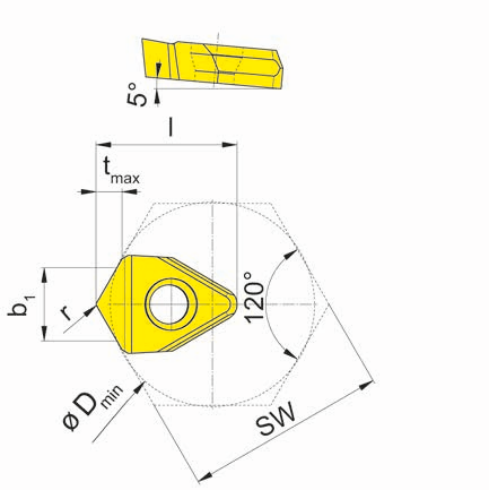

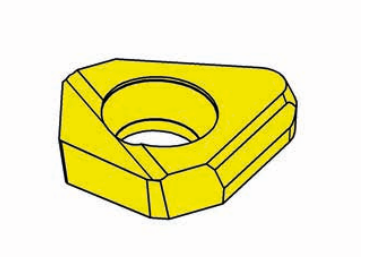

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Carbide grades

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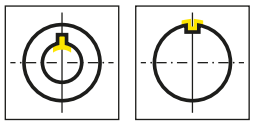
Δ 4周
4 weeks

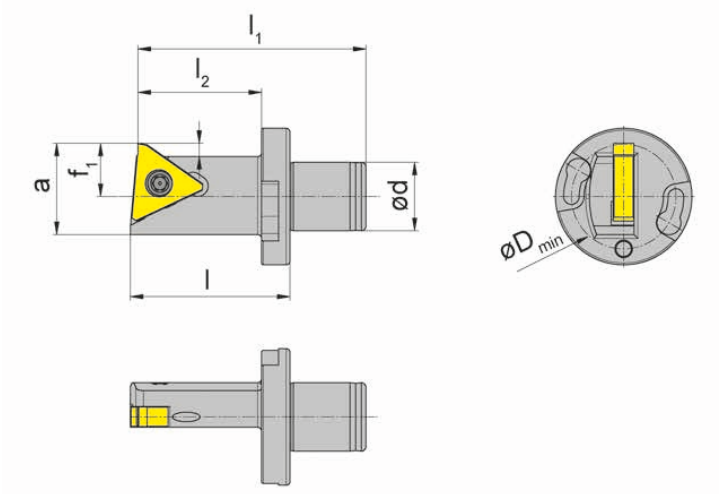
产品型号 Part number	SW	b_1	l	r	D_{min}	t_{max}	刀杆 Toolholder	HIS	AN45
S117.SW14.08.B2	14-16	4.94-5.80	13	0.2	14.2-16.2	1.9	SH117.1425.30.1.08	1170805	▲
S117.SW16.10.B2	16-22	5.80-8.43	14	0.2	16.2-22.2	2.5	SH117.1625.30.1.10	1171005	▲
S117.SW24.12.B2	24-27	8.70-10.00	17	0.3	24.3-27.3	3	SH117.2432.30.1.12	1171205	▲
S117.SW30.16.B2	30-36	11.32-13.97	20.7	0.3	30.3-36.3	4.2	SH117.3032.30.1.16	1171605	▲

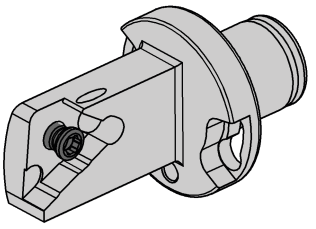
P	●
M	o
K	●
N	●
S	o
H	-

推荐:常规插削
Recommended for: conventional broaching

X







产品型号 Part number	d	l	l_1	l_2	D_{min}	f_1	a	HWS	HMS
356.3018.A.05	18	42	62	34	27.5	14	24	31505R	AR2P

用于插削设备AP2R/AP3R
for broaching device AP2R/AP3R

配件
Spare Parts

刀杆 Toolholder	锁紧螺钉 Clamping Screw	TORX PLUS®扳手 TORX PLUS® Wrench
356.3018.A.05	**030.500P.0232**	**T20PQ**

X

插削
Broaching

公差等级 Tolerance	宽 width	D_{min}	刀片 Insert ...A..	刀片 Insert ...B..	刀杆 Toolholder
C11	3.1	14	S117.0310.04.08.A1	S117.0310.04.08.B1	SH117…
C11	4.12	14	S117.0412.05.08.A1	S117.0412.05.08.B1	SH117…
C11	6.12	22	S117.0612.09.10.A1	S117.0612.09.10.B1	SH117…
C11	7.13	22	S117.0713.11.10.A1	S117.0713.11.10.B1	SH117…
C11	8.13	22	S117.0813.11.10.A1	S117.0813.11.10.B1	SH117…
C11	10.13	30		S117.1013.11.14.B1	SH117…
C11	12.15	38		S117.1215.14.14.B1	SH117…
C11	12.15	38		S117.1215.18.14.B1	SH117…
C11	12.15	38		S117.1215.23.14.B1	SH117…
C11	14.17	40		S117.1417.14.16.B1	SH117…
C11	16.17	40		S117.1617.18.18.B1	SH117…
C11	18.17	50		S117.1817.18.20.B1	SH117…
C11	20.2	50		S117.2020.20.20.B1	SH117…
D10	3.05	14	S117.0305.01.08.A1	S117.0305.01.08.B1	SH117…
D10	4.07	14	S117.0407.01.08.A1	S117.0407.01.08.B1	SH117…
D10	5.07	14	S117.0507.02.08.A1	S117.0507.02.08.B1	SH117…
D10	5.07	17	S117.0507.02.10.A1	S117.0507.02.10.B1	SH117…
D10	6.07	17	S117.0607.02.10.A1	S117.0607.02.10.B1	SH117…
D10	8.08	22	S117.0808.02.10.A1	S117.0808.02.10.B1	SH117…
D10	10.08	30		S117.1008.03.14.B1	SH117…
D10	12.1	38		S117.1210.03.14.B1	SH117…
D10	14.1	40		S117.1410.03.16.B1	SH117…
D10	16.1	40		S117.1610.03.18.B1	SH117…
D10	18.1	50		S117.1810.03.20.B1	SH117…
D10	20.12	50		S117.2012.05.20.B1	SH117…
H9	3.02	14	S117.0302.01.08.A1	S117.0302.01.08.B1	SH117…
H9	4.02	14	S117.0402.01.08.A1	S117.0402.01.08.B1	SH117…
H9	5.02	14	S117.0502.02.08.A1	S117.0502.02.08.B1	SH117…
H9	5.02	17	S117.0502.02.10.A1	S117.0502.02.10.B1	SH117…
H9	6.02	17	S117.0602.02.10.A1	S117.0602.02.10.B1	SH117…
H9	8.03	22	S117.0803.02.10.A1	S117.0803.02.10.B1	SH117…
H9	10.03	30		S117.1003.03.14.B1	SH117…
H9	12.04	38		S117.1203.03.14.B1	SH117…
H9	14.04	40		S117.1403.03.16.B1	SH117…
H9	16.04	40		S117.1603.03.18.B1	SH117…
H9	18.04	50		S117.1803.03.20.B1	SH117…
H9	20.04	50		S117.2004.05.20.B1	SH117…

插削
Broaching

公差等级 Tolerance	宽 width	D_{min}	刀片 Insert ...A..	刀片 Insert ...B..	刀杆 Toolholder
P9	2.99	14	S117.0298.01.08.A1	S117.0298.01.08.B1	SH117...
P9	3.98	14	S117.0397.01.08.A1	S117.0397.01.08.B1	SH117...
P9	4.98	14	S117.0497.02.08.A1	S117.0497.02.08.B1	SH117...
P9	4.98	17	S117.0497.02.10.A1	S117.0497.02.10.B1	SH117...
P9	5.98	17	S117.0597.02.10.A1	S117.0597.02.10.B1	SH117...
P9	7.98	22	S117.0796.02.10.A1	S117.0796.02.10.B1	SH117...
P9	9.98	30		S117.0996.03.14.B1	SH117...
P9	11.97	38		S117.1196.03.14.B1	SH117...
P9	13.97	40		S117.1396.03.16.B1	SH117...
P9	15.97	40		S117.1597.03.18.B1	SH117...
P9	17.97	50		S117.1797.03.20.B1	SH117...
P9	19.97	50		S117.1997.05.20.B1	SH117...
JS9	3.01	14	S117.0300.01.08.A1	S117.0300.01.08.B1	SH117...
JS9	4.01	14	S117.0400.01.08.A1	S117.0400.01.08.B1	SH117...
JS9	5.01	14	S117.0500.02.08.A1	S117.0500.02.08.B1	SH117...
JS9	5.01	17	S117.0500.02.10.A1	S117.0500.02.10.B1	SH117...
JS9	6.01	17	S117.0600.02.10.A1	S117.0600.02.10.B1	SH117...
JS9	8.01	22	S117.0800.02.10.A1	S117.0800.02.10.B1	SH117...
JS9	10.01	30		S117.1000.03.14.B1	SH117...
JS9	12.01	38		S117.1200.03.14.B1	SH117...
JS9	12	38		S117.1200.05.14.B1	SH117...
JS9	14.01	40		S117.1400.03.16.B1	SH117...
JS9	16.01	40		S117.1601.03.18.B1	SH117...
JS9	18.01	50		S117.1801.03.20.B1	SH117...
JS9	20.02	50		S117.2002.05.20.B1	SH117...

内六角
Hexagon socket

SW	D_{min}	刀片 Insert ...A..	刀片 Insert ...B..	刀杆 Toolholder
14-16	13	S117.SW14.08.A1	S117.SW14.08.B2	SH117.1425.30.1.08
16-22	14	S117.SW16.10.A1	S117.SW16.10.B2	SH117.1625.30.1.10
24-27	17	S117.SW24.12.A1	S117.SW24.12.B2	SH117.2432.30.1.12
30-36	20.7	S117.SW30.16.A1	S117.SW30.16.B2	SH117.3032.30.1.16

插方
Square Broaching

SQ	D_{min}	刀片 Insert ...A..	刀片 Insert ...B..	刀杆 Toolholder
13-15	13.5	S117.SQ.1315.08.A1	S117.SQ.1315.08.B2	SH117.1325.SQ.1.08.IK
15-17	15.5	S117.SQ.1517.10.A1	S117.SQ.1517.10.B2	SH117.1525.SQ.1.10.IK
17-19	17.5	S117.SQ.1719.12.A1	S117.SQ.1719.12.B2	SH117.1732.SQ.1.12.IK
19-22	19.5	S117.SQ.1922.16.A1	S117.SQ.1922.16.B2	SH117.1932.SQ.1.16.IK

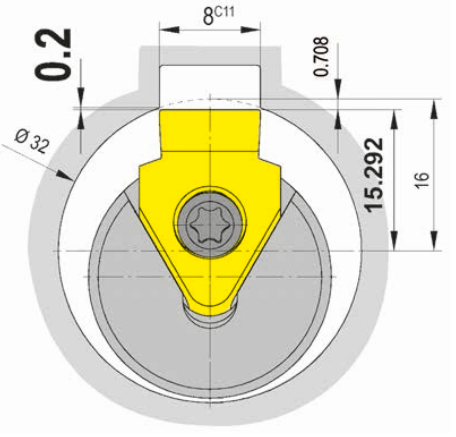
技巧和窍门
Application Tips for Broaching

-插削末端的退刀槽是必需的
-刀片应与材料接触
-冷却油或冷却乳液的使用有助于提高刀具寿命和表面光洁度，并有助于切屑的排出
-刀具应被设定在12点种方向，确保切屑从成槽中排出
-刀具的设定非常重要，进行第一步前一定要仔细检查工件直径
-测量刀具的精度，并在加工第一刀时仔细观察工件直
-第一冲程中定位刀具的初始位置，并在程序中编入停止项，以便去目测是否存在碰撞。

- It is important to use a machine with mechanical spindlelock.
- The use of proper coolant is key to a good surface finish, long tool life as well as chip evacuation. A relief groove or the possibility for a "ramp down" exit out of the cut is necessary at the end of the broached groove.
- Setting of the tool if very important. Double check the component diameter before taking the first pass.
- The tool should be set at the 12 o'clock position to ensure that chips fall away from the groove.
- Take an accurate measurement of the insert and program the dimension into the machine tool parameter.
- Position the tool at the start position of the first stroke and program a stop to perform a visual check to assure a collision free first pass of the tool.

加工实例:
孔径32mm，槽宽8mm：
半径16mm，安全间隙0.2mm，刀尖圆角r0.2mm，刀刃在X轴方向设定在15.292处，避免开始加工时碰撞。

Machining example:
Bore diameter 32 mm, groove width 8 mm:
At a radius of 16 mm and with a clearance of 0,2 mm for safety at the r 0,2 mm corner radii, the tool has to be set at 15,292 mm in X-axis to avoid any collision at the beginning of the process.



计算起始位置 b_1:
Calculation of the start position b_1:

$c^2 = a^2 + b^2$

$b^2 = c^2 - a^2$

$b = \sqrt{c^2 - a^2}$

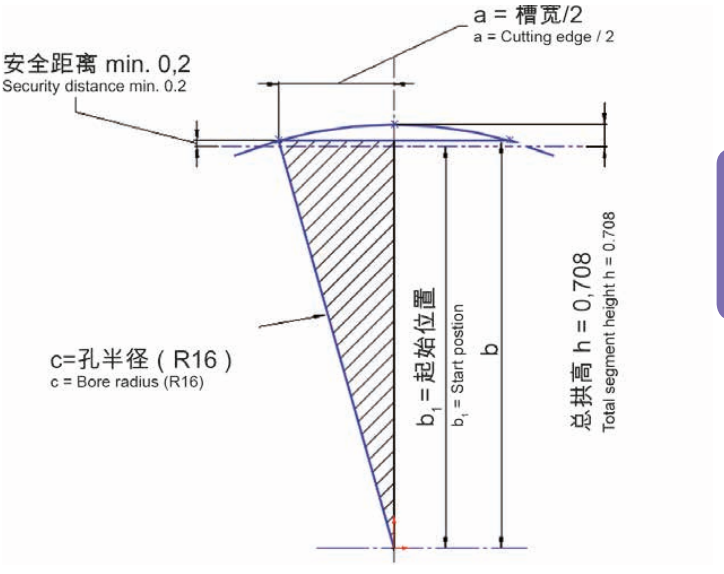
$b = \sqrt{16^2 - 4^2}$

$b = 15.491933$

b_1 = b - 安全距离/Clearance distance

$b_1 = 15.492 - 0.2 = 15.292$ mm

→相当于起始位置Ø 30.584mm
→ equals as a start position at Ø 30.584 mm



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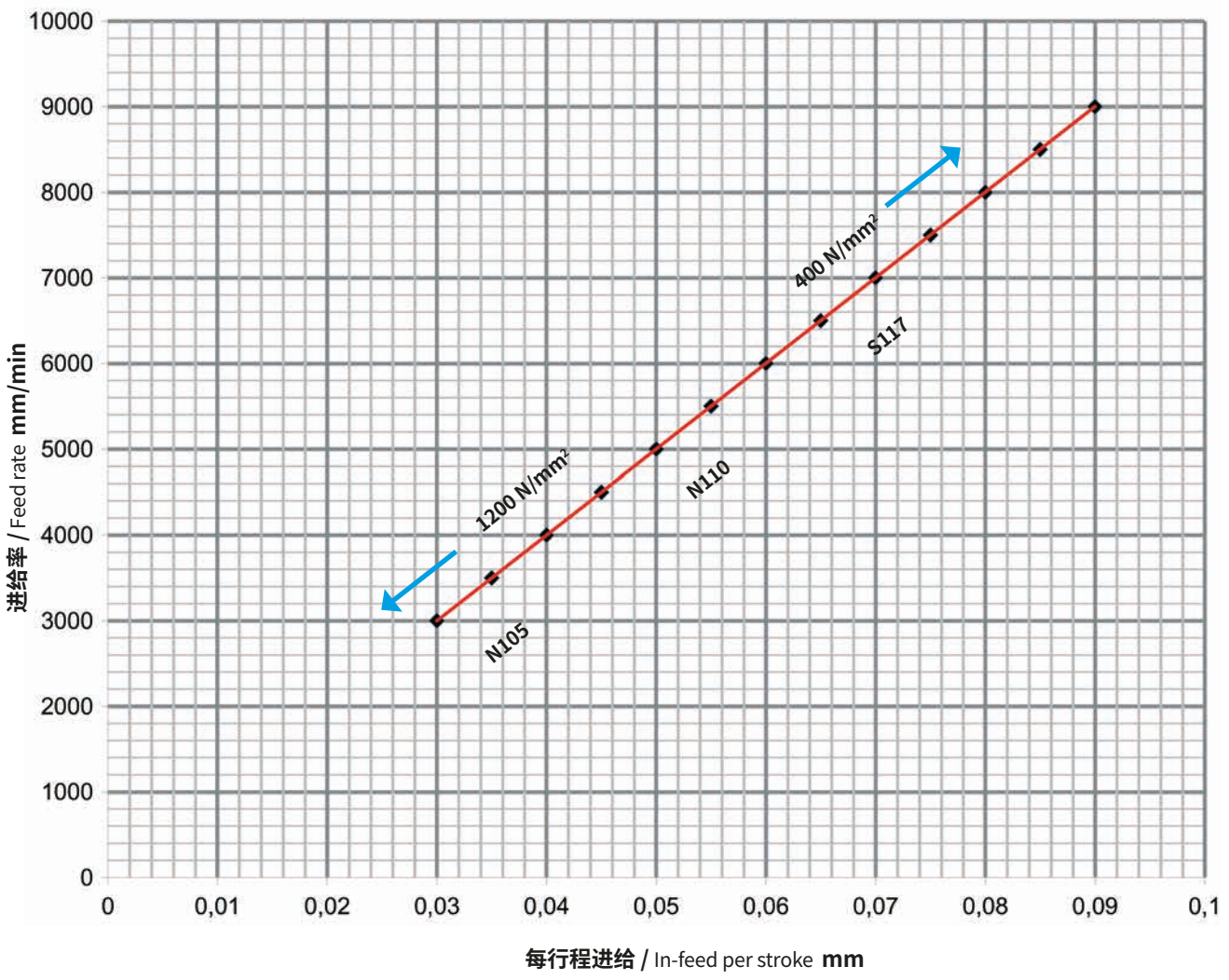

上述值仅供参考，机床情况、工件轮廓、夹紧方式以及工件材质都影响切深和进给率。
应用细节：

- 插槽时需要退刀槽或者底部的斜面以便退刀。
- 退刀之前切削刃必须在槽外设定正确的位置。
- 精确测量刀片并将尺寸编程进入刀具参数内。
- 在第一冲程中定位刀具的初始位置，并在程序中编入停止项，以便去目测是否存在碰撞。
- 使用合适的冷却液是提高表面光洁度、刀具寿命和将切屑排出盲孔的关键

The above values are guidelines only. The physical condition of the machine, the work piece profile and clamping, as well as the type of material have great influence on the depth of cut and feed rate.
Application Tips:

- A relief groove or the possibility for a ‚ramp down' exit out of the groove is necessary at the end of the broached groove.
- The insert cutting edge has to be positioned outside the groove before retracting the tool.
- Take an accurate measurement of the insert and program the dimension into the machine tool parameter.
- Position the tool at the start position of the first stroke and program a stop to perform a visual check to assure a collision free first pass of the tool.
- The use of proper coolant is key to a good surface finish, long tool life as well as chip evacuation out of a blind hole.

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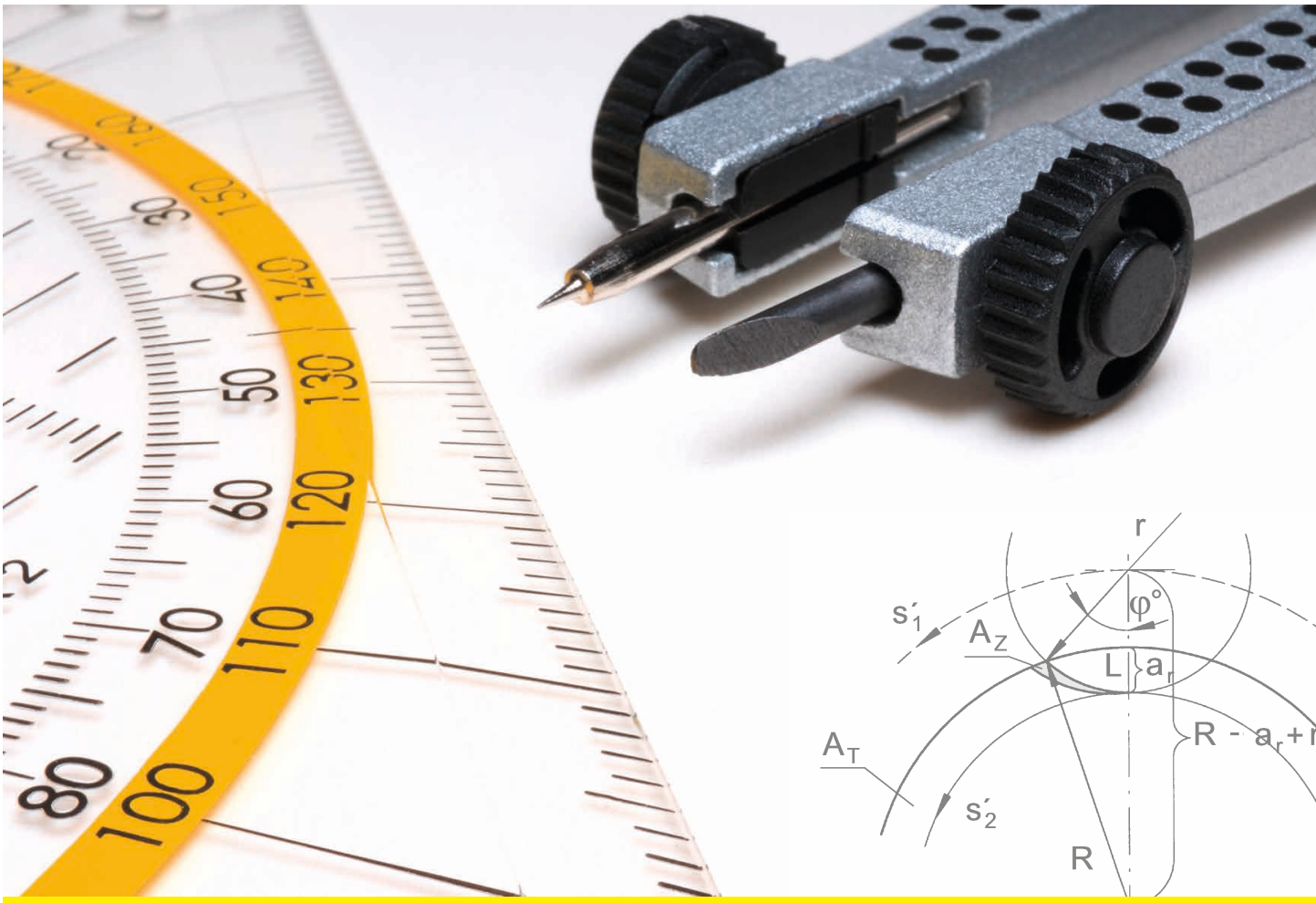

概要/Summary	页/Page
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螺钉扭矩
Torque of Screws

关于扭矩扳手以下扭矩适用于刀片的螺钉，见章节辅助装置，我们建议对螺钉不要额外使用润滑剂（如铜膏）。

Following torques are allowed for screws of inserts. We do not recommend using any additional lubri-cants such as copper paste or similar for the screws.

型号 Type	螺钉 Screw	M_d Nm	夹紧扳手 Clamping wrench	刀板 Blade
050	030.0518.T20P	**5,0**	T20PQ	DT20PK
208	6.16	**3,0**	SW3DIN911	DSW30K
210	218.3	**7,0**	SW6DIN911	DSW60K
210...09/...K9	5.32T15P	**5,0**	T15PQ	DT15PK
211	6.19	**3,0**	SW3DIN911	DSW30K
213	218.3	**7,0**	SW6DIN911	DSW60K
213...09	5.32T15P	**5,0**	T15PQ	DT15PK
213...IK	6.14.912	**6,0**	SW5DIN911	DSW50K
214	218.3	**7,0**	SW6DIN911	DSW60K
214...09	5.32T15P	**5,0**	T15PQ	DT15PK
218	218.3	**7,0**	SW6DIN911	DSW60K
218...0.03.IK - 0.05.IK	6.23.T25P	**7,0**	T25PQ	DT25PK
218...2.03.IK - 2.05.IK	6.23.T25P	**7,0**	T25PQ	DT25PK
218...09/...K9	5.32T15P	**5,0**	T15PQ	DT15PK
219	218.3	**7,0**	SW6DIN911	DSW60K
219...09	5.32.3T15P	**5,0**	T15PQ	DT15PK
221	6.20.70P	**5,0**	T20PQ	DT20PK
225	218.3	**7,0**	SW6DIN911	DSW60K
226	218.3	**7,0**	SW6DIN911	DSW60K
226...09	5.32T15P	**4,5**	T15PQ	DT15PK
226...0.03.IK - 0.05.IK	6.23.T25P	**7,0**	T25PQ	DT25PK
226...2.03.IK - 2.05.IK	6.23.T25P	**7,0**	T25PQ	DT25PK
226.2608...	4.15T15P	**5,0**	T15PQ	DT15PQ
226.3208...	4.15T15P	**5,0**	T15PQ	DT15PQ
228	6.20.70P	**5,0**	T20PQ	DT20PK/DT20PQ
230	5.14	**2,5**	SW2,5DIN911	DSW25K
232	5.14	**2,5**	SW2,5DIN911	DSW25K
233	5.14	**2,5**	SW2,5DIN911	DSW25K
234	5.14	**2,5**	SW2,5DIN911	DSW25K
235	5.14	**2,5**	SW2,5DIN911	DSW25K
240	5.14	**2,5**	SW2,5DIN911	DSW25K
245	51.27.984P	**4,0**	T15PQ	DT15PK
248	5.14	**2,5**	SW2,5DIN911	DSW25K
250	5.14	**2,5**	SW2,5DIN911	DSW25K

螺钉扭矩
Torque of Screws

型号 Type	螺钉 Screw	M_d Nm	夹紧扳手 Clamping wrench	刀板 Blade
253	5.14	**2,5**	SW2,5DIN911	DSW25K
254	5.14	**2,5**	SW2,5DIN911	DSW25K
255	5.14	**2,5**	SW2,5DIN911	DSW25K
257...05	218.3	**6,5**	SW6DIN911	DSW60K
257...07/...09	5.32.3T15P	**5,0**	T15PQ	DT15PK
309	6.25	**4,5**	SW3DIN911	DSW30K
330	5.12T20P	**6,5**	T20PQ	DT20PK/DT20PQ
333	5.12T20P	**6,5**	T20PQ	DT20PK/DT20PQ
340	6.25	**4,5**	SW3DIN911	DSW30K
356...3/...5	5.12T20P	**6,5**	T20PQ	DT20PK/DT20PQ
356...45.03	5F.08T20P	**5,0**	T20PQ	DT20PK/DT20PQ
356...6/...7/...10/...2.13	5.15T20P	**6,5**	T20PQ	DT20PK/DT20PQ
356...2.13.IK/...2.15.IK	5.15T20P	**6,5**	T20PQ	DT20PK/DT20PQ
357	5.12T20P	**6,5**	T20PQ	DT20PK/DT20PQ
360	6.25	**4,5**	SW3DIN911	DSW30K
361	030.0422.T10P	**3,0**	T10PL	DT10PK
368	4.15T15P	**4,0**	T15PQ	DT15PK
368...10.01	030.0422.T10	**4,0**	T10PL	DT10PK
369	6.25	**4,5**	SW3DIN911	DSW30K
390	6.25	**4,5**	SW3DIN911	DSW30K
391.1212...	030.0422.T10P	**3,0**	T10PL	DT10PK
391.1616...	5.32.3T15P	**5,0**	T15PQ	DT15PK
391.2...	6.25	**4,5**	SW3DIN911	DSW30K
974	030.3509.T15P	**3,0**	T15PQ	DT15PK
AH25A.12...02/...03	5.14T20P	**2,5/3,0**	T20PQ	DT20PK/DT20PQ
AH25A...02/...03	5.13T20P	**3,5/3,0**	T20PQ	DT20PK/DT20PQ
AK25A...02.IK/03.IK/04.IK	5.13T20P	**2,5/3,0/3,5**	T20PQ	DT20PK/DT20PQ
B105	6.075T15P	**5,0**	T15PQ	DT15PK
B105KM	6.075T15P	**5,0**	T15PQ	DT15PK
BU105	6.075T15P	**5,0**	T15PQ	DT15PK
B105.A022...	030.0422.T10P	**3,0**	T10PL	DT10PK
B105MD	DIN913-M5x5	**1,0**	SW2,5DIN911	DSW25K
B108 / B108KM	2.6.5T8EP	**1,2**	T8PL	DT8PK
B110	6.075T15P	**5,0**	T15PQ	DT15PK
B111	3.5.12T10EP	**3,0**	T10PL	DT10PK
B114	4.12T15EP	**5,0**	T15PQ	DT15PK
B119	5.11T15P	**3,0**	T15PL	DT15PK
B209	3.5.12T10EP	**2,5**	T10PL	DT10PK
B216.0020.1.2...IK	3.5.12T10EP	**3,0**	T10PL	DT10PK

螺钉扭矩
Torque of Screws

型号 Type	螺钉 Screw	M_d Nm	夹紧扳手 Clamping wrench	刀板 Blade
B216...IK	5.13T20EP	**6.0**	T20PQ	DT20PK/DT20PQ
B223	5.11T15P	**3.0**	T15PL	DT15PK
B223...K2	4.09T15P	**3.0**	T15PL	DT15PK
B224.00...	5.13T20P	**6.5**	T20PQ	DT20PK/DT20PQ
B224.45... B224.60...	6.14T25P	**7.0**	T25PQ	DT25PK/DT25PQ
BK224	5.13T20EP	**6.5**	T20PQ	DT20PK/DT20PQ
BK229	5.13T20EP	**6.0**	T20PQ	DT20PK/DT20PQ
BKT	6.075T15P	**5.5**	T15PQ	DT15PK
E223	5.11T15P	**3.0**	T15PL	DT15PK
H32T...IK	030.2507.T7P	**1.5**	T7PL	DT7PK
H34T...10.IK	030.4093.T15P	**3.0**	T15PQ	DT15PK
H34T...20.IK	030.4010.T15P	**5.0**	T15PQ	DT15PK
H34T...30.IK	030.5012.T15P	**6.0**	T15PQ	DT15PK
H34T...40.IK	030.5012.T20P	**6.0**	T20PQ	DT20PK/DT20PQ
H64T...10.IK	030.4010.T15P	**4.0**	T15PQ	DT15PK
H64T...20.IK	030.4010.T15P	**5.0**	T15PQ	DT15PK
H105	6.075T15P	**5.0**	T15PQ	DT15PK
H100...01/...11/...21 + IK H100...02/...12/...22 + IK H100...71/...72 H100...71R/L/...72R/L	4.15T15P	**5.0**	T15PQ	DT15PK
H100...03/...13/...23 H100...04/...14/...24 H100...15 H100...1.23.IK	5.17T20P	**6.5**	T20PQ	DT20PK/DT20PQ
H100...04.IK H100...23.IK/...24.IK H100...73.IK/...74.IK	6.23T25P	**7.0**	T25PQ	DT25PK/DT25PQ
H100...73R/L/...74R/L	DIN912-M5x20	**4.0**	SW4DIN911	DSW40K
H100...83/...84	030.505P.0718	**5.0**	T15PQ	DT15PK
H100..83R/L/N/..84R/L/N	030.505P.0660	**5.0**	T15PQ	DT15PK
H100...93/...93R/L	030.0413.T15P	**3.0**	T15PQ	DT15PK
H100.2020.3.0.. H100.2525.3.0.. H100.3225.3.0../...38 H100.3225.4.0../...4.1.. H100...08/...10/...12	030.6075.T20P	**5.0**	T20PQ	DT20PK
H100.3232...	030.0625.T25P	**7.0**	T25PQ	DT25PK/DT25PQ
H100.52...	5.13T20P	**5.0**	T20PQ	DT20PK/DT20PQ
H117...10/...12 H117.1407.../.1439... H117.1441.../.1442...	4.09T15P	**5.0**	T15PQ	DT15PK
H117.1010.10	030.400P0227	**5.0**	T15PQ	DT15PK

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螺钉扭矩
Torque of Screws

型号 Type	螺钉 Screw	M_d Nm	夹紧扳手 Clamping wrench	刀板 Blade
H117...16/...32/...45 H117.1419.../.1440...	5.12T20P	**6.0**	T20PQ	DT20PK/DT20PQ
H117...20/...26	6.17T20P	**7.0**	T20PQ	DT20PK/DT20PQ
H117MD	030.400P.0227	**5.0**	T15PQ	DT15PK
H223	5.11T15P	**3.0**	T15PL	DT15PK
H223.2608.../.3208...	4.15T15P	**5.0**	T15PL	DT15PK
H224	6.23T25P	**6.0**	T25PQ	DT25PK/DT25PQ
H224.1212.81	6.17T25P	**5.0**	T25PQ	DT25PK/DT25PQ
H224.1608.02/.23/.24 H224.2608.81/.82/.83	4.15T15P	**5.0**	T15PQ	DT15PK
H224.2608.01/.02 H224.3208.01/.02/.03	4.20T15P	**4.3**	T15PL	DT15PK
H224.2608.03	4.20T15P	**4.3**	T15PQ	DT15PK
H224.3208.93	030.0413T15P	**3.0**	T15PQ	DT15PK
H224..61/..62/..63/..64+IK	4.12.T15EP	**5.0**	T15PL	DT15PK
H224.1212.20...	4.12.T15EP	**5.0**	T15PQ	DT15PK
H224...65/...66/...83R	5.13.T20EP	**6.5**	T20PQ	DT20PK/DT20PQ
H259	6.23T25P	**7.0**	T25PQ	DT25PK/DT25PQ
H262	030.2557.T8P	**1.0**	T8PL	DT8PK
H264 H264KM	3.5.12T10EP	**3.0**	T10PL	DT10PK
H274...04/...04.E	030.3509.T15P	**3.0**	T15PQ	DT15PK
H274...07	030.3513.T15P	**3.0**	T15PQ	DT15PK
H274KM	030.3509.T15P	**3.0**	T15PQ	DT15PK
H316	5.12T20P	**6.5**	T20PQ	DT20PK/DT20PQ
HC105	6.075T15P	**5.5**	T15PQ	DT15PK
HC105MD	DIN911-M4x5	**1.0**	SW2.0DIN911	SW20K
HC114	4.12T15EP	**5.0**	T15PQ	DT15PK
HC274KM	030.3509.T15P	**3.0**	T15PQ	DT15PK
HC316	5.12T20P	**6.5**	T20PQ	DT20PK/DT20PQ
IB25A.20...02.IK/03.IK/04.	5.13T20EP	**2.5/3.0/3.5**	T20PQ	DT20PK/DT20PQ
KT274 KTC274	030.3509.T15P	**3.0**	T15PQ	DT15PK
L368	4.18T15EP	**4.0**	T15PQ	DT15PK
L849.0226.L...	6.23T25P	**7.0**	T25PQ	DT25PK/DT25PQ
LA210	218.3	**7.0**	SW6.911	DSW60K
LA226	218.3	**7.0**	SW6.911	DSW60K
LAK220	6.23T25P	**7.0**	T25PQ	DT25PK/DT25PQ
LAK224	5.13T20P	**6.0**	T20PQ	DT20PK/DT20PQ
LIK220	6.23T25P	**7.0**	T25PQ	DT25PK/DT25PQ
LIK224	5.13T20P	**6.0**	T20PQ	DT20PK/DT20PQ

螺钉扭矩
Torque of Screws

型号 Type	螺钉 Screw	M_d Nm	夹紧扳手 Clamping wrench	刀板 Blade
LNK368	5.10T20P	**6.0**	T20PQ	DT20PK/DT20PQ
LNK760	5.13T20EP	**6.0**	T20PQ	DT20PK/DT20PQ
NK100	5.13T20P	**6.5**	T20PQ	DT20PK/DT20PQ
NK100.0840...	4.20T15P	**4.3**	T15PL	DT15PK
NK100.3215...	6.23T25P	**7.0**	T25PQ	DT25PK/DT25PQ
NK220	6.23T25P	**7.0**	T25PQ	DT25PK/DT25PQ
NK224.3215...	5.13T20P	**6.0**	T20PQ	DT20PK/DT20PQ
NK224.0840...	5.12T20P	**6.5**	T20PQ	DT20PK/DT20PQ
NK264	4.20T15P	**4.3**	T15PL	DT15PK
NK274	030.3509.T15P	**3.0**	T15PQ	DT15PK
NK356	5.12T20P	**6.0**	T20PQ	DT20PK/DT20PQ
NK360	5.12T20P	**6.0**	T20PQ	DT20PK/DT20PQ
NK360.0220...	5.32.3T15P	**5.0**	T15PQ	DT15PK
NK360.0840.1.01/02/03	030.0422.T10P	**3.0**	T10PL	DT10PK
NK360.0840.1.04	5.32.3T15P	**5.0**	T15PQ	DT15PK
NK368	030.400P.0602	**4.0**	T10PL	DT10PK
R76	030.3509.T15P	**5.0**	T15PQ	DT15PK
R849.0226.R...	6.23T25P	**7.0**	T25PQ	DT25PK/DT25PQ
R849...K2	DIN913-M8x12	**7.0**	SW5DIN911	DSW50K
RA210	218.3	**7.0**	SW6.911	DSW60K
RA226	218.3	**7.0**	SW6.911	DSW60K
RAK220	6.23T25P	**7.0**	T25PQ	DT25PK/DT25PQ
RAK224	5.13T20P	**6.0**	T20PQ	DT20PK/DT20PQ
RBA114	4.12.T15EP	**5.0**	T15PQ	DT15PK/DT15PQ
RIK220	6.23T25P	**7.0**	T25PQ	DT25PK/DT25PQ
RHC274	030.3509.T15P	**5.0**	T15PQ	DT15PK
RIK224	5.13T20P	**6.0**	T20PQ	DT20PK/DT20PQ
SB105	6.075T15P	**5.0**	T15PQ	DT15PQ
SB110	6.075T15P	**5.0**	T15PQ	DT15PQ
SH117...08	030.3509.T15P	**3.5**	T15PQ	DT15PK
SH117...10/...12	4.09T15P	**5.0**	T15PQ	DT15PK
SH117...16	5.12T20P	**6.5**	T20PQ	DT20PK/DT20PQ
SHM117...08	030.3509.T15P	**3.5**	T15PQ	DT15PK
VDI	6.075T15P	**5.0**	T15PQ	DT15PK

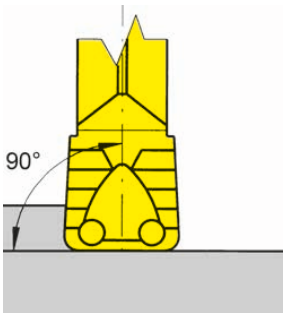
侧车削
Side Turning

HORN的切槽刀具能为您提供轮廓和角度的绝对精度，即使使用单边侧刃切削时。
具有韧性的刀片可能适合一般车削，但不适合精密槽加工。

HORN Grooving Tools will give you absolute accuracy of profile and angles, even when profiling with one-sided cutting forces.
A flexible cutting edge would be desirable for turning, but not useful for precision grooving.

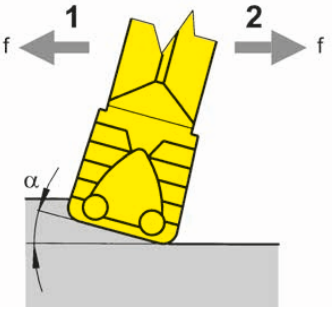
请注意刀具的设置:
确保刀具一直和工件轴向成直角。

Please note when setting tool:
Always ensure that the tool is perpendicular to the axis of the workpiece.



不正确的操作：
进给方向 1 将会产生振动，并将增加刚性工件的振动倾向。
进给方向2适合车削，对于操作不会有负面影响。

Improper setting:
Feed direction 1 will create vibrations. The tendency to vibrate will increase on rigid workpieces.
Feed direction 2 is suitable for turning and will have no negative effects to the operation.



槽刀不能作为车刀的替代品使用，但某些加工中，使用槽刀进行车削，可以降低换刀次数并缩短加工周期。

The grooving tool should not be seen as a replacement for a turning tool with ISO-inserts. On certain operations, for instance grooving and turning can reduce the number of tool changes and offer reduced cycle time.

刀片宽度:
4、5和6mm宽的刀片适合侧走，工件的轮廓和刚性决定了刀片宽度，并尽可能的选择最大的刀尖圆角。

Width of insert:
The width 4, 5 and 6 mm are recommended for side turning. The profile and rigidity of the workpiece determines the width of insert. Always choose the largest possible edge radius.

宽 Width	4 mm	5 mm	6 mm	
a_{pmax}	2.8	3.5	4.0	.3.
f	0.15 - 0.30	0.15 - 0.40	0.15 - 0.40	
a_{pmax}	2.8	3.5	4.0	.5.
f	0.15 - 0.30	0.15 - 0.50	0.15 - 0.60	
a_{pmax}	2.8	3.5	4.0	.A.
f	0.10 - 0.25	0.10 - 0.30	0.10 - 0.30	

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切深 ap:
当需要横向切削时时，切削深度决定于刀片宽度及工件的材质和刚性，最大切深受限于切削刃的长度。
计算的经验: $a_{p\,max}$ **= w x 0.7 或者 max 3.0 mm**
$a_{p\,min}$ **= 圆角半径 r**

最小的切削深度apmin来自刀尖圆角半径，如果切深小于刀尖圆角半径，切削状况将很差。

Cutting depth a_p:
When side turning the cutting depth is dependent upon the width of insert as well as on the material and the rigidity of the workpiece. The max. depth would be limited by the length of the cutting edge.
Rule of thumb for calculation: $a_{p\,max}$ **= w x 0.7 or max 3.0 mm**
$a_{p\,min}$ **= corner radius (r)**

The smallest cutting depth apmin is governed by the edge radius of the insert. Cutting depth below the corner radius will create poor cutting conditions.

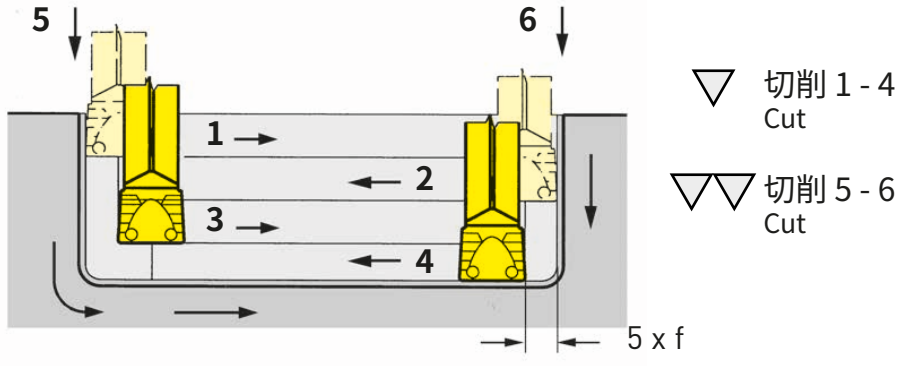
最大进给率f_{max}:
计算的经验: f_{max} **= w x 0.1**

Max. feed rate f_{max}:
Rule of thumb for calculation: f_{max} **= w x 0.1**

双肩间的横向切削
Side turning between shoulders

刀片横走总是自一侧面开始至另一面结束。这样的横走影响切屑的排出并有刀片崩损的危险。切槽和车削的建议见图所示。
切削步骤2及之后切削的起始位置都离肩部5 x f 的距离，这样可以避免切屑卡在前行中的切削刃上。

Always start at the shoulder when side turning, towards shoulder. An operation towards the shoulder will influence the run off the chip and creates the risk of insert breaking. Grooving and turning is recommended as shown.
Cut 2 and subsequent cuts leave a distance of 5 x f to the shoulder. This cut width will help to prevent swarf being trapped under the advancing cutting edge.



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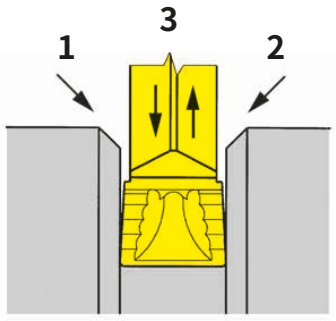
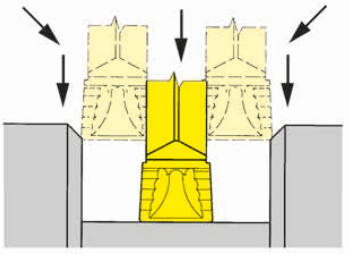
倒角 配合标准刀片
Chamfering with standard inserts

槽和刀片的宽度相等
Width of groove and insert are equal



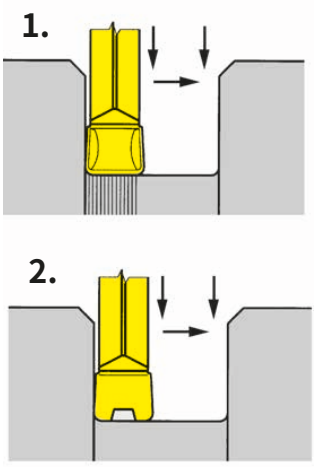
槽比刀片宽
Groove wider than insert



精加工槽 (密封槽)
Finishing of Grooves (Sealing Grooves)

该工艺要求车削和切槽都达到很高的表面光洁度。
图2为修改后的S224…NC…D2刀片

This process requires both turning and grooving where very high quality surface finishes are required. Diagram 2 shows the modified insert type S224...NC...D2.

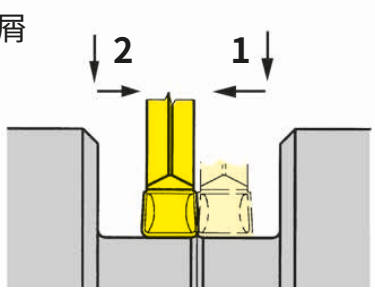


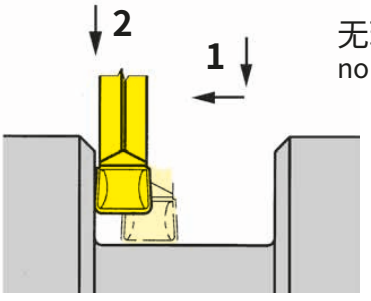
环形余屑
Swarf ring creation

通过切削时通过重叠区域可以避免余屑环的产生。
锋利的切削刃和更小的刀尖角能够降低余屑环的产生。

Swarf ring creation can be avoided by turning across the smaller diameter in one contineous pass. Well defined cutting edges and small corner radii will reduce the tendency to create rings.

产生环形余屑
Ring creation

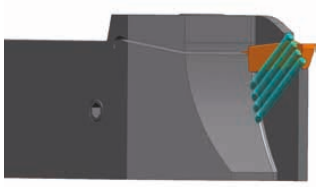




无环形铁屑
no ring creation

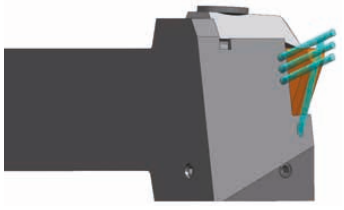
Y

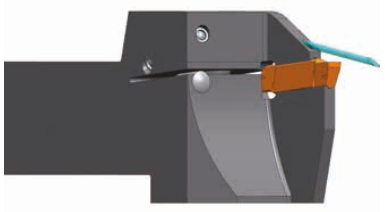
冷却液供应选择
Coolant supply options



冷却液通过刀片侧边的喷嘴输出.

Coolant outlet through spray nozzle at the side of the insert.

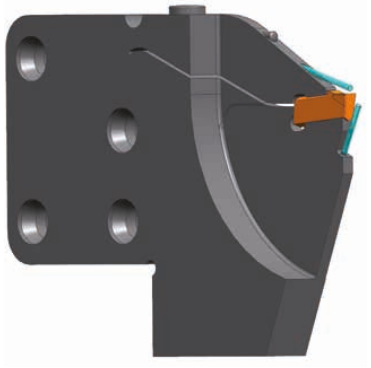




S100
S224
S229

冷却液通过夹紧部位输出.

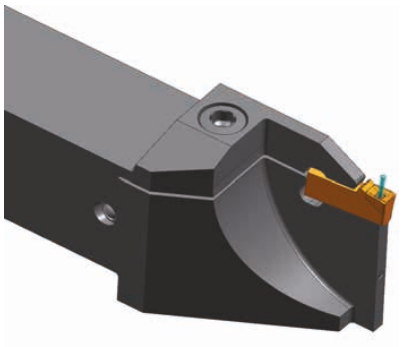
Coolant outlet through clamping finger.



S100
S224
S229

冷却液通过夹紧部位上下输出.

Coolant outlet through clamping finger and insert support.



S100
S224

冷却液通过刀片输出

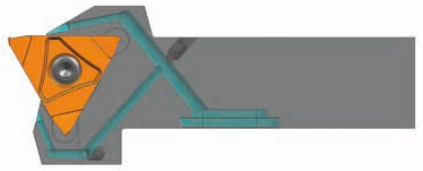
Coolant outlet through insert.

Y

不同方法的冷却液供应.
Different methods of coolant supply

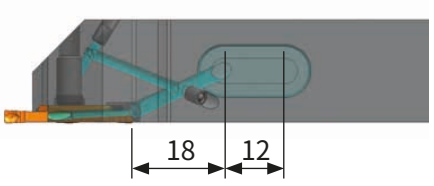
外部连接 如:通过高压泵输入刀柄.

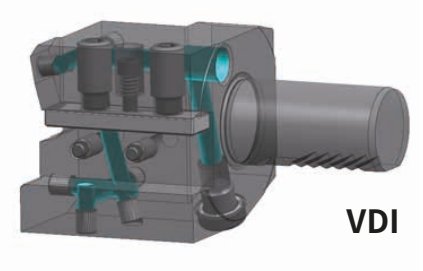
External connection e.g. through high pressure pump to the toolholder.



内部连接 通过基础刀柄的腰型孔

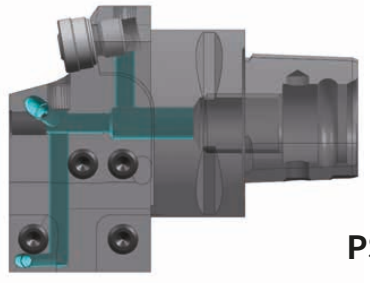
Internal connection through the basic holder per slotted hole.





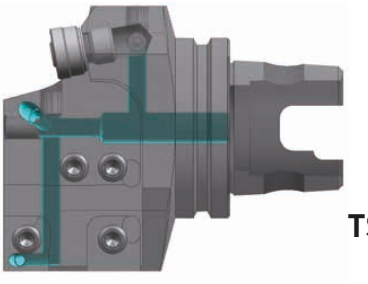
内部连接 通过刀塔输入刀柄.

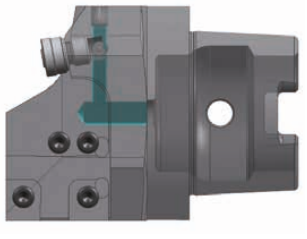
Internal connection through turret to the toolholder.



内部连接通过刀柄输入刀夹.

Internal connection through toolholder back-end to the cassette.





涂层概览
Coating Overview

材料组 Material group	涂层方程式 Coating structure	推荐 Recommendation						应用 Application
AN2_ AN4_	AlCrSiN	P05	M05	K05	N05	S05	H05	预切槽和精切槽，插削 Pre- and finish-grooving, broaching
		P10	M10	K10	N10	S10	H10	
		P20	M20	K20	N20	S20	H20	
		P30	M30	K30	N30	S30	H30	
		P40	**M40**	K40	N40			
		P50	**M50**					
TH3_	TiAlN	P05	M05	K05	N05	S05	H05	中等切削速度的预切槽和精切槽， 也适用于干切 Pre- and finish-grooving at medium cutting speeds, also suitable for dry machining
		P10	M10	K10	N10	S10	H10	
		P20	M20	K20	N20	S20	H20	
		P30	**M30**	K30	N30	S30	H30	
		P40	**M40**	K40	N40			
		P50	**M50**					
AS4_ AS6_	TiAlN	P05	M05	K05	N05	S05	H05	中等切削速度的预切槽和精切槽， 也适用于干切 Suitable for pre-grooving at medium cutting speeds, also for dry machining
		P10	M10	K10	N10	S10	H10	
		P20	M20	K20	N20	S20	H20	
		P30	**M30**	K30	N30	S30	H30	
		P40	**M40**	**K40**	N40			
		P50	**M50**					
DD2_	TiB2	P05	M05	K05	N05	S05	H05	预切槽和精切槽 Pre- and finish-grooving
		P10	M10	K10	**N10**	S10	H10	
		P20	M20	K20	**N20**	S20	H20	
		P30	M30	K30	**N30**	S30	H30	
		P40	M40	K40	N40			
		P50	M50					
EG3_	AlTiN + TiN	P05	M05	K05	N05	S05	H05	适用于高切削速度的精切槽 Ideal for finish cutting at high cutting speeds
		P10	M10	K10	N10	S10	H10	
		P20	M20	K20	N20	S20	H20	
		P30	**M30**	K30	N30	S30	H30	
		P40	**M40**	K40	N40			
		P50	**M50**					
EG5_	AlTiN + TiN	P05	M05	K05	N05	S05	H05	适用于高切削速度的预切槽 Ideal for pr-grooving at high cutting speeds
		P10	M10	K10	N10	S10	H10	
		P20	M20	K20	N20	S20	H20	
		P30	**M30**	**K30**	N30	S30	H30	
		P40	**M40**	**K40**	N40			
		P50	**M50**					
ES1_	AlTiN	**P05**	M05	K05	N05	S05	H05	适用于精切削，精加工和超精加工 在连续切削情况下 Ideal for finish cutting, finishing and superfinishing, without any interruption of the cut
		P10	M10	K10	N10	S10	H10	
		P20	M20	K20	N20	S20	H20	
		P30	**M30**	K30	N30	S30	H30	
		P40	**M40**	K40	N40			
		P50	**M50**					

Y

涂层概览
Coating Overview

材料组 Material group	涂层方程式 Coating structure	推荐 Recommendation						应用 Application
IG3_	TiAlSiN	**P05**	**M05**	**K05**	N05	S05	H05	适用于高切削速度的精切槽， 也适用于干式加工 Ideal for finish-grooving at high cutting speeds, also suitable for dry machining
		P10	**M10**	**K10**	N10	S10	H10	
		P20	**M20**	**K20**	N20	S20	H20	
		P30	**M30**	K30	N30	**S30**	H30	
		P40	M40	K40	N40			
		P50	M50					
IG6_	TiAlSiN	**P05**	**M05**	**K05**	N05	S05	H05	适用于高切削速度的预切槽和精切槽，也适用于干式加工 Pre- and finish-grooving at high cutting speeds, also suitable for dry machining
		P10	**M10**	**K10**	N10	S10	H10	
		P20	**M20**	**K20**	N20	S20	H20	
		P30	**M30**	K30	N30	**S30**	H30	
		P40	M40	K40	N40			
		P50	M50					
NE2_	ta-C	P05	M05	K05	**N05**	S05	H05	适用于预切槽和精切槽 在连续切削情况下 Pre- and finish-grooving, without any interruption of the cut
		P10	M10	K10	**N10**	S10	H10	
		P20	M20	K20	**N20**	S20	H20	
		P30	M30	K30	N30	S30	H30	
		P40	M40	K40	N40			
		P50	M50					
SG3_	TiAlCrSiN	P05	**M05**	K05	N05	**S05**	H05	预切槽和精切槽 Pre- and finish-grooving
		P10	**M10**	K10	N10	**S10**	H10	
		P20	**M20**	K20	N20	**S20**	**H20**	
		P30	M30	K30	N30	S30	H30	
		P40	M40	K40	N40			
		P50	M50					
TI2_	TiCn	P05	M05	K05	N05	S05	H05	中等切削速度的预切槽和精切槽 减少积屑瘤 Pre- and finish-grooving at moderate cutting speeds, reduction of built-up edges
		P10	M10	K10	N10	S10	H10	
		P20	M20	K20	N20	S20	H20	
		P30	M30	K30	N30	S30	H30	
		P40	**M40**	K40	N40			
		P50	**M50**					
TN3_	TiN	P05	M05	K05	N05	S05	H05	中等切削速度的预切槽和精切槽 Pre- and finish-grooving at moderate cutting speeds
		P10	M10	K10	N10	S10	H10	
		P20	M20	K20	N20	S20	H20	
		P30	M30	K30	N30	S30	H30	
		P40	M40	**K40**	N40			
		P50	M50					

ISO 513	P	M	K	N	S	H
+ 韧性 / Tenacity - - 耐磨性 / Wear resistance +	05	05	05	05	05	05
	10	10	10	10	10	10
	20	20	20	20	20	20
	30	30	30	30	30	30
	40	40	40	40		
	50	50				

Y

材料 Material			材料组 Material group	硬度 (HB) Hardness Brinell	抗拉强度 R_m [N/mm²] Tensile Strength	材料示例 Example Material	
P	碳钢 Carbon steel	~ 0,2 % C	P1.1	125	430	CK15	
		~ 0,4% C 退火 annealed	P1.2	190	610	19Mn6	
		~ 0,4% C 调质 quenched	P1.3	210	640	36Mn5	
		~ 0,6% C 退火 annealed	P1.4	190	610	C55	
		~ 0,6% C 调质 quenched	P1.5	300	1000	CK60	
		易切钢 Free cutting steel	P1.6	220	750	9SMn28	
	合金钢 (<5%) Alloyed steel	退火 annealed	P2.1	180	590	100Cr6	
		调质 quenched	P2.2	280	960	14NiCr10	
		调质 quenched	P2.3	350	1250	34CrMo4	
		调质 quenched	P2.4	430	1450	55Cr3	
	高合金钢 (>5%) high alloyed steel	退火 annealed	P3.1	200	680	X10CrAl18	
		硬化 hardened	P3.2	350	1200	X210Cr2	
	铸钢 Cast steel	非合金 unalloyed	P4.1	180	590	GE200	
		合金 alloyed	P4.2	220	750	GX40CrSi28	
	粉末冶金钢 Sintered steel	软的 soft	P5.1	220	570	Sint-D39	
M	不锈钢Stainless steel	马氏体,铁素体 martensitic ferritic	M1.1	200	680	X16Cr13	
		奥氏体 austenitic	M1.2	300	1000	X6CrNiMo- Ti17-12-2	
		奥氏体 , 铁素体 austenitic ferritic	M1.3	230	780	X2CrNiMo- N17-13-3	
H	淬硬钢 Hardened steels	50-55 HRC	H1.1	-	-		
		55-60 HRC	H1.2	-	-		
		60-63 HRC	H1.3	-	-		
		> 63HRC	H1.4	-	-		

Y

	切削速度 vc (m/min) / 起始值 Cutting speed vc (m/min) / Start values								
	K10 MG12	TN3_	TI2_	TH3_ TF4_ AS4_ AS6_	ES1_ AC2_	EG3_ EG5_ HP6_	IG3_ IG6_	DD2_	SG3_	H20 H54 IG6T
		200-130	260-160	280-180	280-180	280-180	340 - 220			400 - 300
		160-70	230 -120	250 -140	250 -140	250 -140	320 - 200			400 - 300
		160-70	230 -120	250 -140	250 -140	250 -140	320 - 200			400 - 300
		160-70	230 -120	250 -140	250 -140	250 -140	320 - 200			400 - 300
		150-60	190 - 70	210 - 90	210 - 90	210 - 90	280 - 150			400 - 300
		160-70	230 - 120	250 - 140	250 - 140	250 - 140	320 - 200			350 - 250
		150-80	200 - 80	220 - 100	220 - 100	220 - 100	300 - 180			400 - 300
		140-70	190 - 70	210 - 90	210 - 90	210 - 90	280 - 150			400 - 300
		130-50	170 - 60	190 - 80	190 - 80	190 - 80	250 - 140			350 - 250
		130-50	170 - 60	190 - 80	190 - 80	190 - 80	230 - 120			350 - 250
		140-60	180 - 60	200 - 80	200 - 80	200 - 80	260 - 140			250 -200
		130-50	170 - 60	190 - 80	190 - 80	190 - 80	250 - 120			250 -200
		140-100	180 - 120	200 - 140	200 - 140	200 - 140	250 - 200			250 - 200
		110-70	140 - 80	160 - 100	160 - 100	160 - 100	220 - 160			220 - 160
					120 - 80	120 - 80	150-90		150-90	250 - 200
					100 - 60	100 - 60	110-80		110-80	200 - 150
							120-90		120-90	200 - 150
							60 - 40		70-50	
							50 -30		60-40	

材料 Material			材料组 Material group	硬度 (HB) Hardness Brinell	抗拉强度 R_m [N/mm²] Tensile Strength	材料示例 Example Material	
K	灰铸铁 Grey cast iron	低拉伸强度 low tensile strength	K1.1	180	250	GG-25	
		高拉伸强度 high tensile strength	K1.2	250	350	GG-40	
	球磨铸铁 Spheroidal graphite cast iron	铁素体 ferritic	K2.1	160	400	GGG-40	
		珠光体 perlitic	K2.1	260	700	GGG-60	
	可锻铸铁 Malleable cast iron	铁素体 ferritic	K3.1	200	400	GTW-45	
		珠光体 perlitic	K3.2	260	700	GTS-55-04	
	奥氏体球墨铸铁 / ADI Ausferritic spheroidal cast iron / ADI	调质 quenched	K4.1	260	800		
		调质 quenched	K4.2	350	1050		
		调质 quenched	K4.3	450	1400		
N	铝合金 Al-alloys	非热处理 not heat treatable	N1.1	30		AlMg1	
		热处理 heat treatable	N1.2	100	340	AlMgSi1	
	铸铝合金 Al-cast-alloy	< 6% Si	N2.1	80	300	AlMgSi6	
		6-10% Si	N2.2	100	320	AlSi7Mg	
		10-15 % Si	N2.3	130	450	AlSi12	
	铜合金 Copper-alloys	纯铜 Pure copper	N3.1	100	340	Cu	
		黄铜,青铜 Brass	N3.2	90	310	CuZn40Pb	
		无铅黄铜 Lead-free brass	N3.3	110	430	CuZn40	
		高强度 high strength	N3.4	300	1000	CuZn25Al5-Mn4Fe3	
	石墨 Graphite		N4.1				
S	耐热合金(铁基) Heat resistant alloy	退火 annealed	S1.1	200	670		
		硬化 hardened	S1.2	275	930		
	耐热合金 (镍基,钴基) Heat resistant alloy	退火 annealed	S2.1	250	840	Inconel 600	
		硬化 hardened	S2.2	350	1200	Inconel 713	

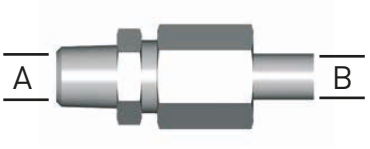
	切削速度 vc (m/min) / 起始值 Cutting speed vc (m/min) / Start values									
	K10 MG12	TN3_	TI2_	TH3_ TF4_ AS4_ AS6_	ES1_ AC2_	EG3_ EG5_ HP6_	IG3_ IG6_	DD2_	SG3_	H20 H54 IG6T
	90- 60	140-90		200 - 120	200 - 120	200 - 120	250 -140		250 -140	
	90 -60	110-90		160 - 120	160 - 120	160 - 120	220 - 150		220 - 150	
		110-80		180 - 130	180 - 130	180 - 130	240 - 160		240 - 160	
		110-80		160 - 120	160 - 120	160 - 120	200 - 160		200 - 160	
		150-90		220 - 120	220 - 120	220 - 120	280 - 180		280 - 180	
		130-60		190 - 100	190 - 100	190 - 100	250 - 160		250 - 160	
		110-60		180 - 90	180 - 90	180 - 90				
		110-60		160 - 80	160 - 80	160 - 80				
		80-50		120 - 60	120 - 60	120 - 60				
	600-400							1000 - 600		500 - 350
	400-200							600-300		350 - 300
	600 - 300							1000 -600		500 - 350
								400 - 220		350 - 300
	200 - 120							400 - 220		
	200 - 120							300 - 180		
	150 - 90							250 - 120		
	150 -90							200 - 80		
	50-30						80 - 60		90-70	
	50-30						50 - 30		60-40	
	50-30						70 - 50		80-60	
	50-30						60 - 40		70-50	

材料 Material			材料组 Material group	硬度 (HB) Hardness Brinell	抗拉强度 R_m [N/mm²] Tensile Strength	材料示例 Example Material	
S	钛 Titan	钛合金 α Titanium alloy α	S3.1	120	240		
		钛合金 α-β Titanium alloy α- β	S3.2	360	1200		
		钛合金 β Titanium alloy β	S3.3	410	1400		
O	热塑性塑料 Thermoplastics		O1.1				
	Duro塑料 Duro plaste		O1.2				
	玻璃纤维增强塑料 Plastics glass fibre reinforced	GFK	O1.3				
	碳纤维增强塑料 Plastics carbon fibre reinforced	CFK	O1.4				

	切削速度 vc (m/min) / 起始值 Cutting speed vc (m/min) / Start values									
	K10 MG12	TN3_	TI2_	TH3_ TF4_ AS4_ AS6_	ES1_ AC2_	EG3_ EG5_ HP6_	IG3_ IG6_	DD2_	SG3_	H20 H54 IG6T
	50-30						150 - 110		160-120	
	50-30						80 - 60		90-70	
	50-30						50 - 45		60-50	
	150 - 50									
	150 - 100									
	150 - 100									
	300 - 150									

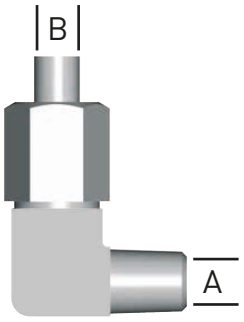
GRAF WERKZEUGSYSTEME

冷却系统标准连接头
Standard connection for coolant supply for pipe Ø 6 mm



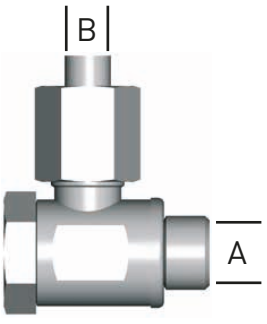
冷却液连接器
垂直锁紧
Connection for coolant supply, straight screwed

A	B	产品型号 Part number
M8 x 1	ø 6 mm	004.00.19
G1/8''	ø 6 mm	004.00.14



冷却液连接器
带角度固定
Connection for coolant supply, angeled and fix

A	B	产品型号 Part number
M8 x 1	ø 6 mm	004.00.22
G1/8''	ø 6 mm	004.00.33



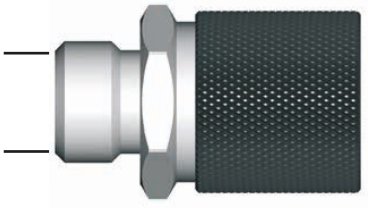
可旋转, 夹紧装配
Swivelling screw-fitting

A	B	产品型号 Part number
M8 x 1	ø 6 mm	004.00.61
G1/8''	ø 6 mm	004.00.16

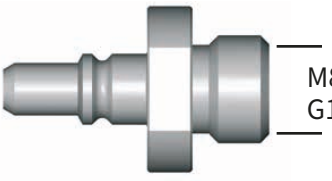
冷却系统快速接头
Clip connection for coolant supply

快速夹头
Quick connector

M10 x 1 - 004.00.49

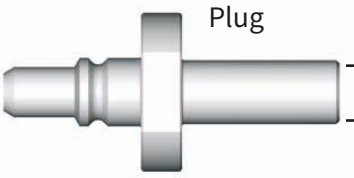


栓塞
Plug



M8 x 1 - 004.00.56
G1/8" - 004.00.57

栓塞
Plug



Ø 6 mm - 004.00.59

Y

D 041 VL

0,4-1 Nm

带刻度的扭矩扳手
-扭矩可调
-屏幕显示调整扭矩

扭矩无极调节，符合人体工程学的多组件手柄，轻而紧凑的设 计，当达到设定扭矩时单击信号按钮。
(标准: EN ISO 6798, BS EN 26789, ASME B 107.14.M.)
(精度: ± 6 %)

D 15 VL

1-5 Nm

Torque screw driver with scale
- variable torque setting
- adjusted torque is shown on display

The Torque can be adjusted with a special torque setter (included).
Handle: Ergonomical form gives perfect handling abilities.Audible signal when set torque is reached.
Standard: EN ISO 6798, BS EN 26789, ASME B 107.14.M.
Precision: ± 6 %

D 28 VL

2-7 Nm

ED 28 VL

配 / for
D041VL / D15VL / D28VL

设定扭矩的设备

柄部： 醋酸纤维材质，表面为细微结构
刃部： 八角形，硬化处理，镀锌

Device for setting the required torque

Handle: Celluloseacetat with micro structured surface
Blade: Octogonal (8 flats) blade, hardened galvanized

D515QL

5-14 Nm

带刻度的扭矩扳手
-扭矩可调
-屏幕显示调整扭矩

扭矩无极调节，符合人体工程学的多组件手柄，轻而紧凑的设 计，当达到设定扭矩时单击信号按钮。
(标准: EN ISO 6798, BS EN 26789, ASME B 107.14.M.)
(精度: ± 6 %)

Torque screw driver with scale
- variable torque setting
- adjusted torque is shown on display

The Torque can be adjusted with a special torque setter (included).
Handle: Ergonomical form gives perfect handling abilities. Audible signal when set torque is reached.
Standard: EN ISO 6798, BS EN 26789, ASME B 107.14.M.
Precision: ± 6 %

ED515QL

配 / for
D515QL

扭矩调整扳手

柄部: 纤维素乙酸酯微观结构表面
刃部: 8角形状,经过硬化处理，镀铬.

Device for setting the required torque.

Handle: Celluloseacetat with micro structured surface
Blade: Octogonal (8 flats) blade, hardened galvanized

DT6PK
DT7PK
DT8PK
DT9PK
DT10PK
DT15PK
DT20PK
DT25PK
配 / for
D041VL / D15VL / D28VL

Plus

扳手刀头配 TORX PLUS® 螺钉

刀头: 高品 质铬 钒钢，经过硬 化处理，镀铬。
Wiha镀铬刀片保证了最好的精密度。
使用深绿色代码
应用: 使用给定的扭紧扭矩，结合一个Wiha扭矩扳手。

Blade for TORX-Plus® screws

Blade: High quality Chrome-Vanadium steel, through hardened, chrome plated.
Wiha Chrome Blade guarantees maximum precison.
Colored code dark green
Utilization: Controlled screw setting with definite torque in combination with Wiha torque screw driver handle.

DT6K
DT8K
DT15K
配 / for
D041VL / D15VL / D28VL

刀头-Torx螺钉

刀头： 高品质铬钒钢，硬化处理，镀铬
Wiha镀铬刀头保证了最好的精密度。
颜色代码为绿色
用途： 拧紧螺钉到指定扭矩，和Wiha扭矩扳手刀柄组合。

Blade for Torx screws

Blade: High quality Chrome-Vanadium steel, through hardened, chrome plated.
Wiha Chrome Blade guarantees maximum precison.
Colored code dark green
Utilization: Controlled screw setting with definite torque in combination with Wiha torque screw driver handle.

DT15PQ
DT20PQ
DT25PQ
DT27PQ
DT30PQ
配 / for
D515QL

Plus

扳手刀头配 TORX PLUS® 螺钉

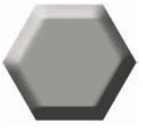
刀头: 高品 质铬 钒钢，经过硬 化处理，镀铬。
Wiha镀铬刀片保证了最好的精密度。
使用深绿色代码
应用: 使用给定的扭紧扭矩，结合一个Wiha扭矩扳手。

Blade for TORX-Plus® screws

Blade: High quality Chrome-Vanadium steel, through hardened, chrome plated. Wiha Chrome Blade guarantees maximum precison. Colored code dark green
Utilization: Controlled screw setting with definite torque in combination with Wiha torque screw driver handle.

DSW15K
DSW20K
DSW25K
DSW30K
DSW40K
配 / for
D041VL / D15VL / D28VL

DSW50K
DSW60K
配 / for
D15QL



扳手刀头-内六角螺钉

刀头： 高品质的铬钒钢，硬化处理，镀铬。
Wiha镀铬刀片保证了最好的精密度。
使用红色代码
应用： 使用给定的扭紧扭矩，结合一个Wiha扭矩扳手。

Blade for allen screws

Blade: High quality Chrome-Vanadium steel, through hardened, chrome plated.
Wiha Chrome Blade guarantees maximum precison.
Colored code red
Utilization: Controlled screw setting with definite torque in combination with Wiha torque screw driver handle

D14ZBK
配 / for
D041VL / D15VL / D28VL

通用钻套
也用于所有的C6.3和E6.3(1/4")钻头

刀头：高品质铬钒钢，经过硬化处理，镀铬。
刀颈：不锈钢
应用：用于固定扭矩，扭矩标与柄部。

Universal Bitholder for C6,3 and E6,3 (1/4") Bits

Blade: High quality Chrome-Vanadium steel, through hardened, chrome plated.
Collar: Stainless steel
Utilization: For controlled screw setting with definite torque in combination with torque screw driver handle.

D14ZBQ
配 / for
D515QL

通用钻套
也用于所有的C6.3和E6.3(1/4")钻头

刀头：高品质铬钒钢，经过硬化处理，镀铬。
刀颈：不锈钢
应用：用于固定扭矩，扭矩标与柄部。

Universal Bitholder for C6,3 and E6,3 (1/4") Bits

Blade: High quality Chrome-Vanadium steel, through hardened, chrome plated.
Collar: Stainless steel
Utilization: For controlled screw setting with definite torque in combination with torque screw driver handle.

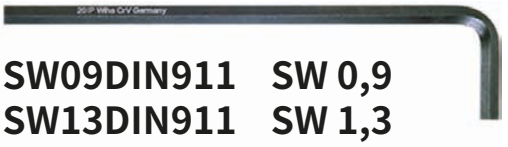
14ZQK

通用T型刀柄的钻套
也用于所有的C6.3和E6.3(1/4")钻头

刀头： 高品质铬钒钢，经硬化处理，镀铬
刀颈： 不锈钢
应用： 开关控制

Universal Bitholder with T-handle for C6,3 and E6,3 (1/4") Bits

Blade: High quality Chrome-Vanadium steel, through hardened, chrome plated.
Collar: Stainless steel
Utilization: For controlled opening



SW09DIN911 SW 0,9
SW13DIN911 SW 1,3
SW15DIN911 SW 1,5
SW20DIN911 SW 2,0
SW25DIN911 SW 2,5
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SW35DIN911 SW 3,5
SW40DIN911 SW 4,0
SW50DIN911 SW 5,0
SW60DIN911 SW 6,0
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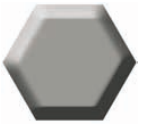
SW140DIN911 SW 14,0



内六角扳手

应用: 适用于所有内六角螺钉

Wrench for allen screws

Utilization: For all kind of using allen screws

Y

T6PW
T7PW
T8PW
T9PW
T10PW
T15PW
T20PW
T25PW
T30PW

Plus

TORX PLUS® 螺钉扳手

应用: 适用于各种使用TORX PLUS®螺钉
注意: TORX PLUS®-扳手不适用于 Torx-螺钉

Wrench for TORX PLUS® Screws

Utilization: For all kind of using TORX PLUS® Screws
Attention: TORX PLUS®-Wrench does NOT fit for Torx-Screws

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