



NEW

NEW CARBIDE GRADE IG3_

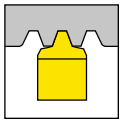
The right choice for efficient machining of stainless steels and heat resistant alloys



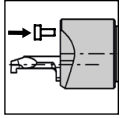
THE DIFFERENCE: MAXIMUM EFFICIENCY

- **Improved thermal properties
maximize productivity in stainless
steel & heat resistant alloys**
- **Improved edge adhesion on sharp
edge geometries**
- **Wide selection in-stock**

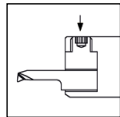
	Internal grooving		External grooving
	Internal grooving full radius		External side turning
	Internal boring and grooving chamfer		External copy turning
	Internal boring		Parting off
	Internal back turning		Face turning
	Internal pre-grooving and chamfering		Fine turning
	Internal grooving with chamfer		Partial profile thread
	Boring and profiling		Full profile thread
	Internal chamfering		Internal thread
	Face grooving	BSW BSF	Whitworth pipe thread BSW/BSF
	Internal axial grooving in front of center	NPT NPTF	National pipe thread
	Axial grooving with collar	60°	Metric ISO thread
	Internal coolant	UN	Unified thread



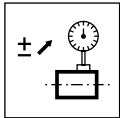
Trapezoidal thread



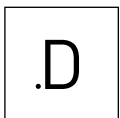
Face clamping



Lift element



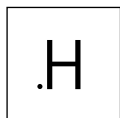
Setup



Geometry D



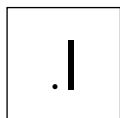
Geometry FB



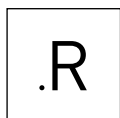
Geometry H



Geometry HV



Geometry I



Geometry R



Geometry GM - Threading

Geometry	Material	Feed rate f [mm/rev]	Machining
	P M K N S H	$f = 0,04-0,06$ $ap = 0,15-0,5 \text{ mm}$	
	P M K N S H	$f = 0,05-0,1$ $ap = 0,15-0,5 \text{ mm}$	
	P M K N S H	$f = 0,01-0,04$ $ap = 0,03-0,05 \text{ mm}$	
	P M K N S H	$f = 0,005-0,015$ $ap = 0,01-0,05 \text{ mm}$	

Feed rate f [mm/rev]

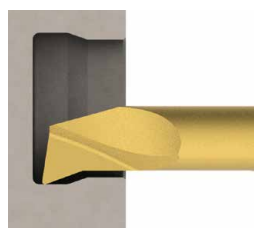
$f = 0,01-0,03$



Grooving

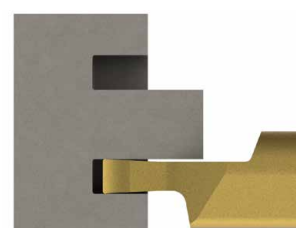
$f = 0,02-0,05$

$ap = 0,15-0,5 \text{ mm}$



Side Turning

$f = 0,02-0,05$



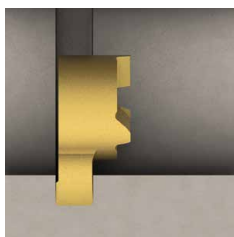
Face Grooving

Geometry	Material	Feed rate f [mm/rev]	Machining
	P M K N S H	↓ f = 0,03-0,08 ↔ ap = 0,2-1,5*	
	P M K N S H	↓ f = 0,015-0,05 ↔ ap = 0,03-0,07*	
	P M K N S H	← f = 0,05-0,15 ap = 0,05-0,35	
	P M K N S H	← f = 0,05-0,15 ap = 0,2-0,75*	

*System dependent

Feed rate f [mm/rev]

f = 0,01-0,05



Grooving

f = 0,03-0,1

ap = 0,1-0,5 mm



Side Turning

f = 0,01-0,08



Face Grooving

- All dimensions are in mm unless otherwise noted.
- Further dimensions and versions are available on request.
- For torque specification of the screw, please see "Technical Instructions".
- All toolholders of the systems "Mini" with damaged seating can be repaired by HORN.
- Delivery times
 - ▲ on stock
 - Δ 4 weeks
- Use for material groups
 - recommended
 - alternative recommended
 - not suitable

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 connection interface codes and possible combinations:

HIS = Insert seat
HWS = Interface workpiece side
HMS = Interface machine side

HIS	↔	HWS
HMS	↔	HWS

Example insert

Part number	r	f	a	d	l ₂	l ₅	t _{max}	D _{min}	HIS	TH35
R109.1828.1.6	0,2	2,8	5,7	5	10	28	0,4	6	109140	Δ

Example toolholder

Part number	d	l ₁	h	l ₄	l ₂	d ₂	HWS
B109.0012.01	12	75	10	50	16	20	109140

Material			Material group	Hardness Brinell	Tensile Strength R_m [N/mm ²]	Example Material	
P	Carbon steel	~ 0,2 % C	P1.1	125	430	CK15	
		~ 0,4% C annealed	P1.2	190	610	19Mn6	
		~ 0,4% C quenched	P1.3	210	640	36Mn5	
		~ 0,6% C annealed	P1.4	190	610	C55	
		~ 0,6% C quenched	P1.5	300	1000	CK60	
		Free Cutting Steel	P1.6	220	750	9SMn28	
	Alloyed Steel (<5%)	annealed	P2.1	180	590	100Cr6	
		quenched	P2.2	280	960	14NiCr10	
		quenched	P2.3	350	1250	34CrMo4	
		quenched	P2.4	430	1450	55Cr3	
	high alloyed steel (>5%)	annealed	P3.1	200	680	X10CrAl18	
		hardened	P3.2	350	1200	X210Cr2	
	Cast steel	unalloyed	P4.1	180	590	GE200	
		alloyed	P4.2	220	750	GX40CrSi28	
	Sintered steel	soft	P5.1	220	570	Sint-D39	
M	Stainless steel	martensitic ferritic	M1.1	200	680	X16Cr13	
		austenitic	M1.2	300	1000	X6CrNiMo-Ti17-12-2	
		austenitic ferritic	M1.3	230	780	X2CrNiMo-N17-13-3	
H	Hardened steels	50-55 HRC	H1.1	-	-		
		55-60 HRC	H1.2	-	-		
		60-63 HRC	H1.3	-	-		
		> 63HRC	H1.4	-	-		

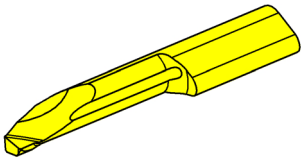
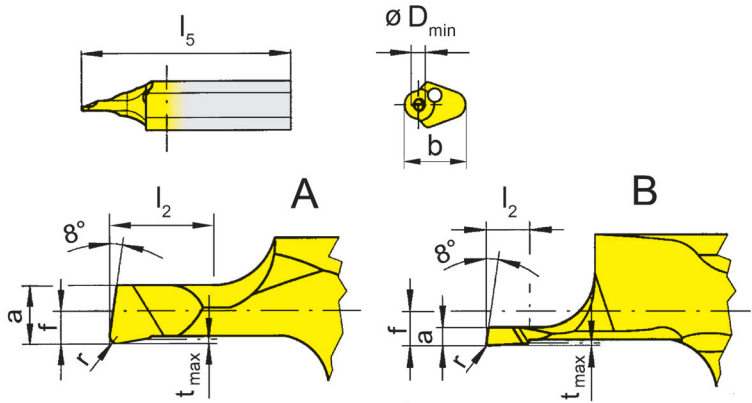
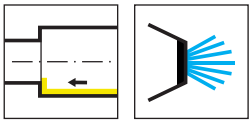
	Cutting speed vc (m/min) / Start values								
	MG12	TN3_	TI2_	TH3_ TF4_	AN2_ RC2_	EG3_ EG5_	IG3_	DD2_	SG3_
	120-16	180 - 16	180 - 16	210 - 16	210 - 16	200 - 16	230-16		230-16
	110-16	170-16	170-16	200-16	200-16	200-16	230-16		230-16
	110-16	160-16	160-16	190-16	190-16	190-16	220-16		220-16
	110-16	150-16	150-16	180-16	180-16	180-16	210-16		210-16
	100-16	120-16	140-16	170-16	170-16	170-16	200-16		200-16
	120-16	160-16	160-16	190-16	190-16	190-16	220-16		220-16
	90 - 16	150 - 16	150 - 16	180-16	180-16	180 - 16	210-16		210-16
	85-16	140-16	140-16	180-16	180-16	180 - 16	210-16		210-16
	80-16	140-16	140-16	180-16	180-16	180 - 16	210-16		210-16
	80-16	140-16	140-16	160-16	160-16	160-16	180-16		180-16
	90-16	90 - 16	90 - 16	140 - 16	140 - 16	120 - 16	140-16		140-16
									140-16
	110-16	180 - 16	180 - 16	180 - 16	180 - 16	160 - 16	180-16		180-16
	70-16	170-16		180 - 16	180 - 16	160 - 16	180-16		180-16
		90 - 16		90 - 19	90 - 16	90 - 16	100 - 15		100 - 16
		80 - 16		80 - 16	80 - 16	80 - 16	80 - 16		40 - 16
		60-16		60-16	60-16	60-16	70-16		80-16
							50 - 16		60 - 16
							50 - 16		60 - 16

Material			Material group	Hardness Brinell	Tensile Strength R _m [N/mm ²]	Example Material	
K	Grey cast iron	low tensile strength	K1.1	180	250	GG-25	
		high tensile strength	K1.2	250	350	GG-40	
	Spheroidal graphite cast iron	ferritic	K2.1	160	400	GGG-40	
		perlitic	K2.2	260	700	GGG-60	
	Malleable cast iron	ferritic	K3.1	200	400	GTW-45	
		perlitic	K3.2	260	700	GTS-55-04	
	spheroidal cast iron / ADI	quenched	K4.1	260	800		
		quenched	K4.2	350	1050		
		quenched	K4.3	450	1400		
	N	Al-alloys	not heat treatable	N1.1	30		AlMg1
heat treatable			N1.2	100	340	AlMgSi1	
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	
Copper-alloys		Pure copper	N3.1	100	340	Cu	
		Brass, Bronze	N3.2	90	310	CuZn40Pb	
		Lead-free brass	N3.3	110	430	CuZn40	
		high strength	N3.4	300	1000	CuZn25Al5-Mn4Fe3	
Graphite			N4.1				
S	(Fe) Heat resistant alloy	annealed	S1.1	200	670		
		hardened	S1.2	275	930		
	(Ni, C) Heat resistant alloy	annealed	S2.1	250	840	Inconel 600	
		hardened	S2.2	350	1200	Inconel 713	

	Cutting speed vc (m/min) / Start values								
	MG12	TN3_	TI2_	TH3_ TF4_	AN2_ RC2_	EG3_ EG5_	IG3_	DD2_	SG3_
	90 - 16	150 - 16		160 - 16		160 - 16			
		120 - 16							
	90 - 16	130 - 16							
		100-16		160 - 18		140 - 16			
		130 - 16		180 - 16		160 - 18			
	220 - 16		220 - 16	220 - 16		220 - 16		350 -16	
	220 - 16		220 - 16	220 - 16		220 - 16		350 -16	
	220 - 16		220 - 16	220 - 16		220 - 16		350 -16	
								350-16	
	220 - 16							300 -16	
	220 - 16							300 -16	
	220 - 16							250 -16	
	180 - 16							200 -16	
	50-16						75-16		75 -16
	50-16								
	30-16						40 - 16		40 - 16
	30-16						40 - 16		40 - 16

Material			Material group	Hardness Brinell	R _m [N/mm²] Tensile Strength	Example Material	
S	Titan	Titanium alloy α	S3.1	120	240	Ti99,7	
		Titanium alloy α- β	S3.2	360	1200	Ti6Al4V	
		Titanium alloy β	S3.3	410	1400	Ti-10V-2Fe-3Al	
	Thermoplastics		01.1				
	Duro plaste		01.2				
	Plastics glass fibre reinforced	GFK	01.3				
	Plastics carbon fibre reinforced	CKF	01.4				

	Cutting speed vc (m/min) / Start values								
	MG12	TN3_	TI2_	TH3_ TF4_	AN2_ RC2_	EG3_ EG5_	IG3_	DD2_	SG3_
	30-16						75 - 16		85-16
	30-16						75 -16		85-16
	30-16						75-16		85-16
	150 - 16								
	150 - 16								
	150 - 16								
	300 - 16								



Carbide grades

R = right hand version shown

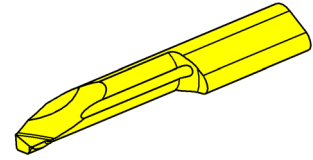
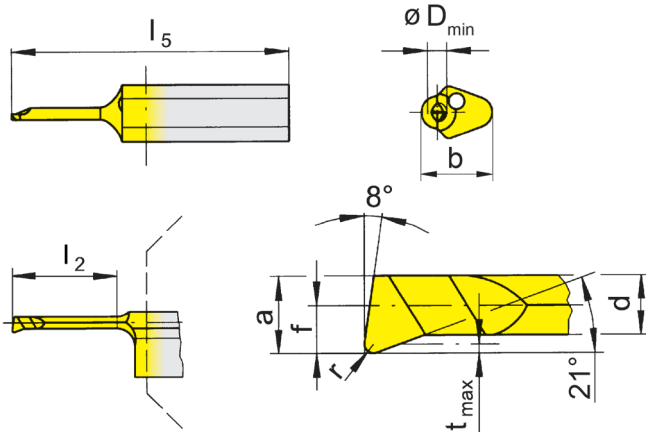
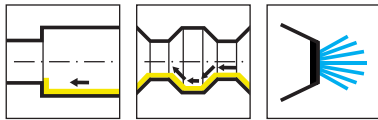
L = left hand version

▲ on stock

Δ 4 weeks

Part number	r	f	a	b	l ₂	l ₅	t _{max}	D _{min}	Form	HIS	IG35	
L105.1803.0.07	.05	.3	.6	5.9	2	23	.05	.7	A	105123	▲	
												P ●
												M ●
												K ●
												N -
												S ●
												H -

Dimensions in mm



Carbide grades

R = right hand version shown

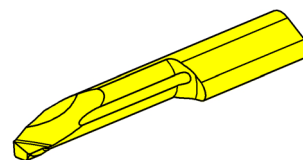
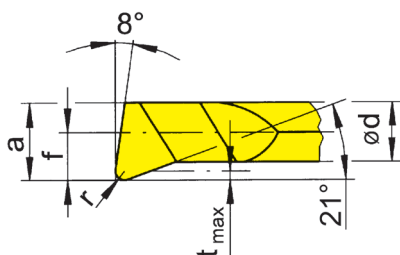
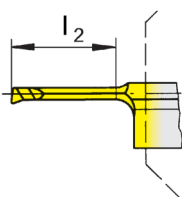
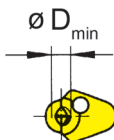
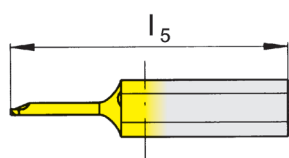
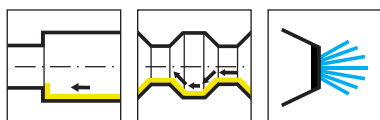
L = left hand version

▲ on stock

Δ 4 weeks

Part number	r	f	a	d	b	l_2	l_5	$t_{\max}$	$D_{\min}$	HIS	IG35
R105.1805.005.0.1	.05	.5	.9	.65	5.9	4	25	.1	1	105123	
R105.1805.005.1.1	.05	.5	.9	.65	5.9	6	25	.1	1	105123	
R105.1805.005.2.1	.05	.5	.9	.65	5.9	8	25	.1	1	105123	
R105.1805.0.1	.1	.5	.9	.65	5.9	4	25	.1	1	105123	
R105.1805.1.1	.1	.5	.9	.65	5.9	6	25	.1	1	105123	
R105.1813.005.0.15	.05	1.3	1.4	1.1	5.9	6	25	.15	1.5	105123	
R105.1813.005.1.15	.05	1.3	1.4	1.1	5.9	9	25	.15	1.5	105123	
R105.1813.005.2.15	.05	1.3	1.4	1.1	5.9	12	30	.15	1.5	105123	
R105.1813.01.0.15	.1	1.3	1.4	1.1	5.9	6	25	.15	1.5	105123	
R105.1813.01.1.15	.1	1.3	1.4	1.1	5.9	9	25	.15	1.5	105123	
											P ●
											M ●
											K ●
											N -
											S ●
											H -

Dimensions in mm



Carbide grades

R = right hand version shown

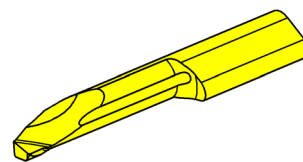
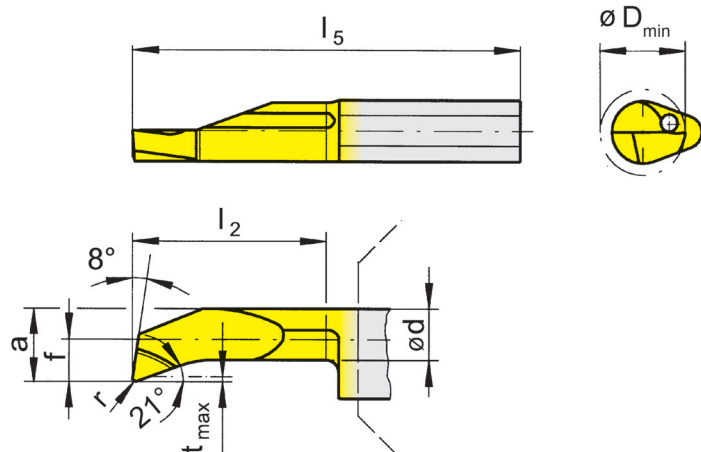
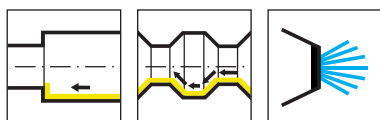
L = left hand version

▲ on stock

Δ 4 weeks

Part number	r	f	a	d	b	l ₂	l ₅	t _{max}	D _{min}	HIS	IG35
R105.1809.005.0.2	.05	1	1.9	1.6	5.9	6	25	.15	2	105123	▲
R105.1809.005.1.2	.05	1	1.9	1.6	5.9	9	25	.15	2	105123	▲
R105.1809.005.2.2	.05	1	1.9	1.6	5.9	12	30	.15	2	105123	▲
R105.1809.01.0.2	.1	1	1.9	1.6	5.9	6	25	.15	2	105123	▲
R105.1809.01.1.2	.1	1	1.9	1.6	5.9	9	25	.15	2	105123	▲
R105.1809.0.2	.15	1	1.9	1.6	5.9	6	25	.15	2	105123	▲
R105.1809.1.2	.15	1	1.9	1.6	5.9	9	25	.15	2	105123	▲
R105.1809.2.2	.15	1	1.9	1.6	5.9	12	30	.15	2	105123	▲
R105.1813.005.0.25	.05	1.3	2.3	1.95	5.9	6	25	.15	2.5	105123	▲
R105.1813.005.1.25	.05	1.3	2.3	1.95	5.9	9	25	.15	2.5	105123	▲
R105.1813.005.2.25	.05	1.3	2.3	1.95	5.9	12	30	.15	2.5	105123	▲
R105.1813.005.3.25	.05	1.3	2.3	1.95	5.9	16	35	.15	2.5	105123	▲
											P ●
											M ●
											K ●
											N -
											S ●
											H -

Dimensions in mm



Carbide grades

R = right hand version shown

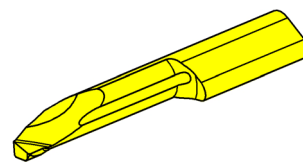
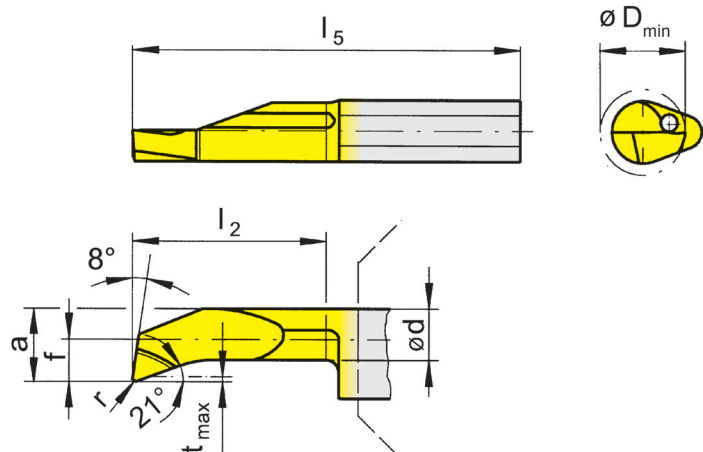
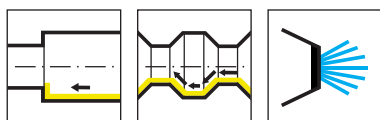
L = left hand version

▲ on stock

Δ 4 weeks

Part number	r	f	a	d	b	l_2	l_5	t_{max}	D_{min}	HIS	IG35
R105.1813.005.1.3	.05	1.3	2.6	2.3	5.9	10	25	.15	3	105123	▲
R105.1813.005.2.3	.05	1.3	2.6	2.3	5.9	15	30	.15	3	105123	▲
R105.1813.005.3.3	.05	1.3	2.6	2.3	5.9	20	35	.15	3	105123	▲
R105.1813.01.1.3	.1	1.3	2.6	2.3	5.9	10	25	.15	3	105123	▲
R105.1813.01.2.3	.1	1.3	2.6	2.3	5.9	15	30	.15	3	105123	▲
R105.1813.01.3.3	.1	1.3	2.6	2.3	5.9	20	35	.15	3	105123	▲
R105.1813.1.3	.2	1.3	2.6	2.3	5.9	10	25	.15	3	105123	▲
R105.1813.2.3	.2	1.3	2.6	2.3	5.9	15	30	.15	3	105123	▲
R105.1813.3.3	.2	1.3	2.6	2.3	5.9	20	35	.15	3	105123	▲
											P ●
											M ●
											K ●
											N -
											S ●
											H -

Dimensions in mm



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R = right hand version shown

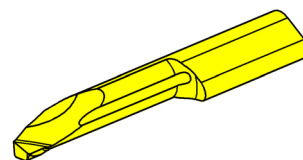
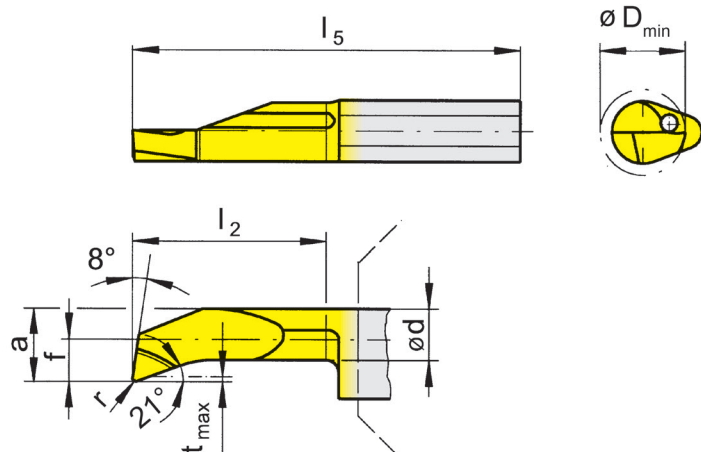
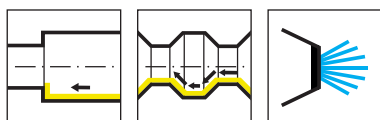
L = left hand version

▲ on stock

△ 4 weeks

Part number	r	f	a	d	b	l_2	l_5	t_{max}	D_{min}	HIS	IG35	
R105.1819.005.1.4	.05	1.9	3.7	2.9	6.4	10	25	.3	4	105124	▲	●
R105.1819.005.2.4	.05	1.9	3.7	2.9	6.4	15	30	.3	4	105124	▲	●
R105.1819.005.3.4	.05	1.9	3.7	2.9	6.4	20	35	.3	4	105124	▲	●
R105.1819.1.4	.2	1.9	3.7	2.9	6.4	10	25	.3	4	105124	▲	●
R105.1819.2.4	.2	1.9	3.7	2.9	6.4	15	30	.3	4	105124	▲	●
R105.1819.3.4	.2	1.9	3.7	2.9	6.4	20	35	.3	4	105124	▲	●
											P	●
											M	●
											K	●
											N	-
											S	●
											H	-

Dimensions in mm



Carbide grades

R = right hand version shown

L = left hand version

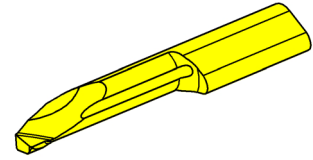
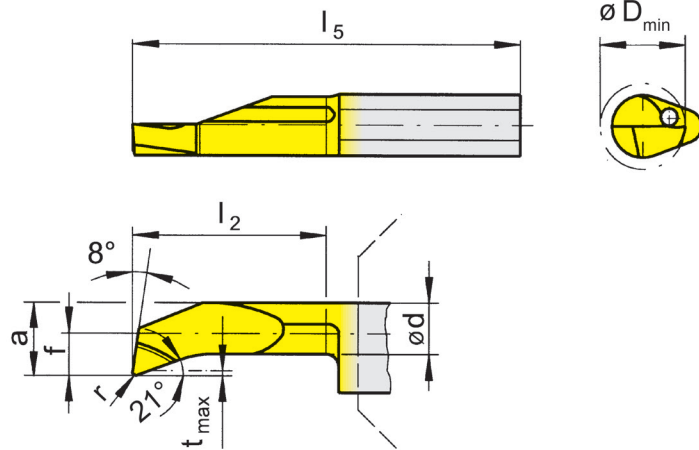
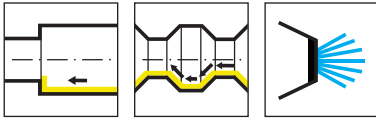
▲ on stock

Δ 4 weeks

Part number	r	f	a	d	b	l_2	l_5	t_{max}	D_{min}	HIS	IG35
R105.1823.005.1.5	.05	2.3	4.7	4	7	10	25	.5	5	105125	▲
R105.1823.005.2.5	.05	2.3	4.7	4	7	15	30	.5	5	105125	▲
R105.1823.005.3.5	.05	2.3	4.7	4	7	20	35	.5	5	105125	▲
R105.1823.005.5.5	.05	2.3	4.7	4	7	30	45	.5	5	105125	▲
R105.1823.1.5	.2	2.3	4.7	4	7	10	25	.5	5	105125	▲
R105.1823.2.5	.2	2.3	4.7	4	7	15	30	.5	5	105125	▲
R105.1823.3.5	.2	2.3	4.7	4	7	20	35	.5	5	105125	▲
R105.1823.4.5	.2	2.3	4.7	4	7	25	40	.5	5	105125	▲
R105.1823.5.5	.2	2.3	4.7	4	7	30	45	.5	5	105125	▲
L105.1823.3.5	.2	2.3	4.7	4	7	20	35	.5	5	105125	▲

P	●
M	●
K	●
N	-
S	●
H	-

Dimensions in mm



Carbide grades

R = right hand version shown

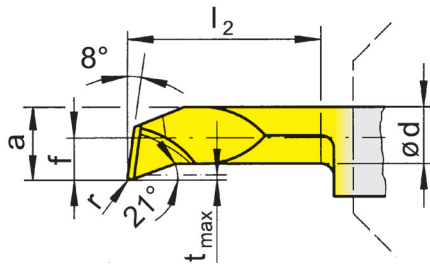
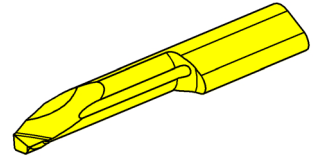
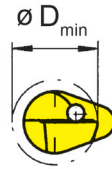
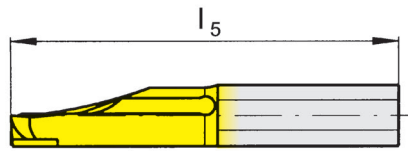
L = left hand version

▲ on stock

Δ 4 weeks

Part number	r	f	a	d	b	l ₂	l ₅	t _{max}	D _{min}	HIS	IG35
R105.1833.005.2.6	.05	3.3	5.7	4.7	7	15	30	.5	6	105125	▲
R105.1833.005.3.6	.05	3.3	5.7	4.7	7	20	35	.5	6	105125	▲
R105.1833.2.6	.2	3.3	5.7	4.7	7	15	30	.5	6	105125	▲
R105.1833.3.6	.2	3.3	5.7	4.7	7	20	35	.5	6	105125	▲
R105.1833.4.6	.2	3.3	5.7	4.7	7	25	40	.5	6	105125	▲
R105.1833.5.6	.2	3.3	5.7	4.7	7	30	45	.5	6	105125	▲
R105.1840.005.3.7	.05	4	6.4	5.2	7	20	35	.5	6.8	105125	▲
R105.1840.005.4.7	.05	4	6.4	5.2	7	25	40	.5	6.8	105125	▲
R105.1840.3.7	.2	4	6.4	5.2	7	20	35	.5	6.8	105125	▲
R105.1840.4.7	.2	4	6.4	5.2	7	25	40	.5	6.8	105125	▲
R105.1840.5.7	.2	4	6.4	5.2	7	30	45	.5	6.8	105125	▲
											P ●
											M ●
											K ●
											N -
											S ●
											H -

Dimensions in mm



Carbide grades

R = right hand version shown

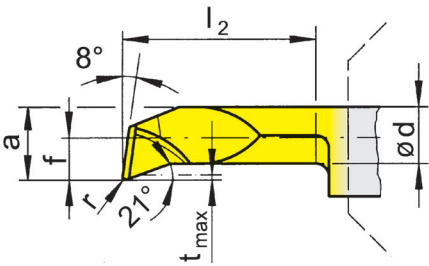
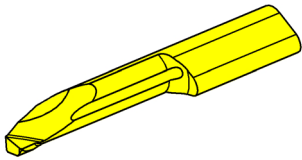
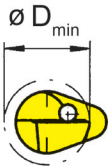
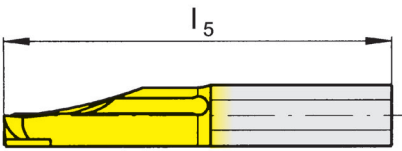
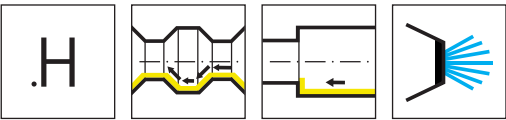
L = left hand version

▲ on stock

Δ 4 weeks

Part number	r	f	a	d	b	l_2	l_5	t_{max}	D_{min}	HIS	IG35	
R105.1819.1.H.4	.2	1.9	3.7	2.9	7	10	25	.3	4	105125	▲	●
R105.1823.1.H.5	.2	2.3	4.7	4	7	10	25	.5	5	105125	▲	●
R105.1823.2.H.5	.2	2.3	4.7	4	7	15	30	.5	5	105125	▲	●
											P	●
											M	●
											K	●
											N	-
											S	●
											H	-

Dimensions in mm



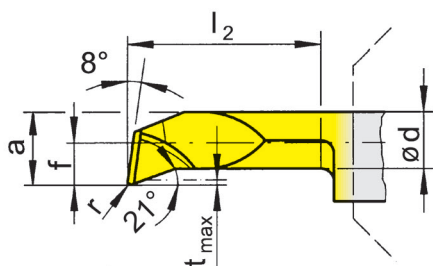
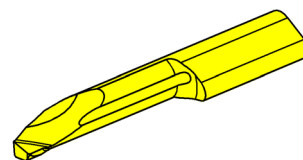
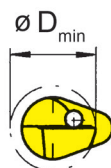
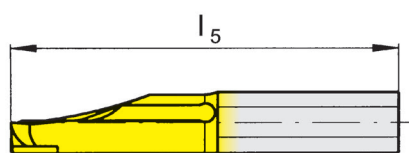
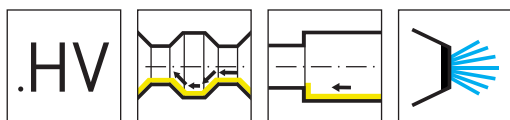
R = right hand version shown

L = left hand version

Carbide grades
▲ on stock Δ 4 weeks

Part number	r	f	a	d	b	l ₂	l ₅	t _{max}	D _{min}	HIS	IG35	
R105.1840.5.H.7	.2	4	6.4	5.2	7	30	45	.5	7	105125	▲	
												P ●
												M ●
												K ●
												N -
												S ●
												H -

Dimensions in mm



Carbide grades

R = right hand version shown

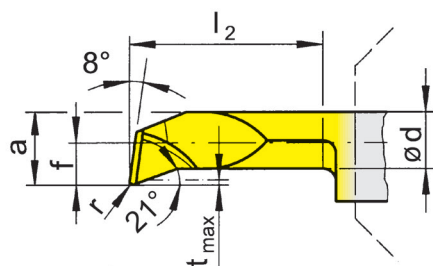
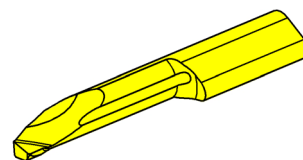
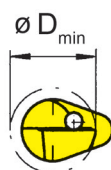
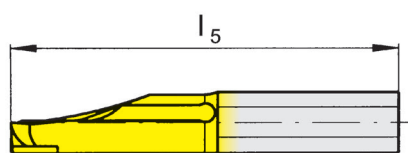
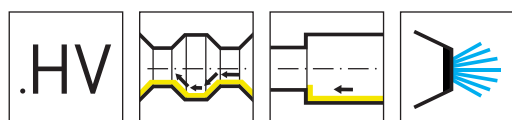
L = left hand version

▲ on stock

Δ 4 weeks

Part number	r	f	a	d	b	l_2	l_5	t_{max}	D_{min}	HIS	IG35	
R105.1819.1.HV4	.2	1.9	3.7	2.9	7	10	25	.3	4	105125	▲	●
R105.1819.2.HV4	.2	1.9	3.7	2.9	7	15	30	.3	4	105125	▲	●
R105.1819.3.HV4	.2	1.9	3.7	2.9	7	20	35	.3	4	105125	▲	●
R105.1823.1.HV5	.2	2.3	4.7	4	7	10	25	.5	5	105125	▲	●
R105.1823.3.HV5	.2	2.3	4.7	4	7	20	35	.5	5	105125	▲	●
R105.1823.4.HV5	.2	2.3	4.7	4	7	25	40	.5	5	105125	▲	●
											P	●
											M	●
											K	●
											N	-
											S	●
											H	-

Dimensions in mm



Carbide grades

R = right hand version shown

L = left hand version

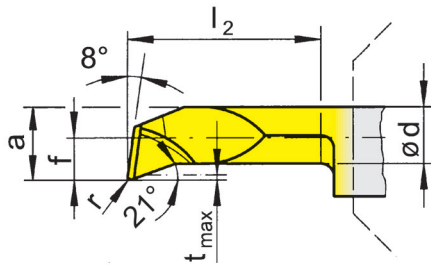
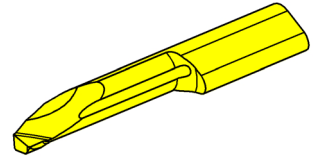
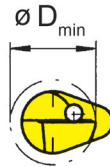
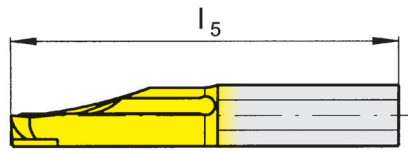
▲ on stock

Δ 4 weeks

Part number	r	f	a	d	b	l_2	l_5	t_{max}	D_{min}	HIS	IG35
R105.1833.2.HV6	.2	3.3	5.7	4.7	7	15	30	.5	6	105125	▲
R105.1833.3.HV6	.2	3.3	5.7	4.7	7	20	35	.5	6	105125	▲
R105.1840.3.HV7	.2	4	6.4	5.2	7	20	35	.5	7	105125	▲
R105.1840.5.HV7	.2	4	6.4	5.2	7	30	45	.5	7	105125	▲

P	●
M	●
K	●
N	-
S	●
H	-

Dimensions in mm



Carbide grades

R = right hand version shown

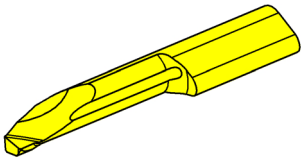
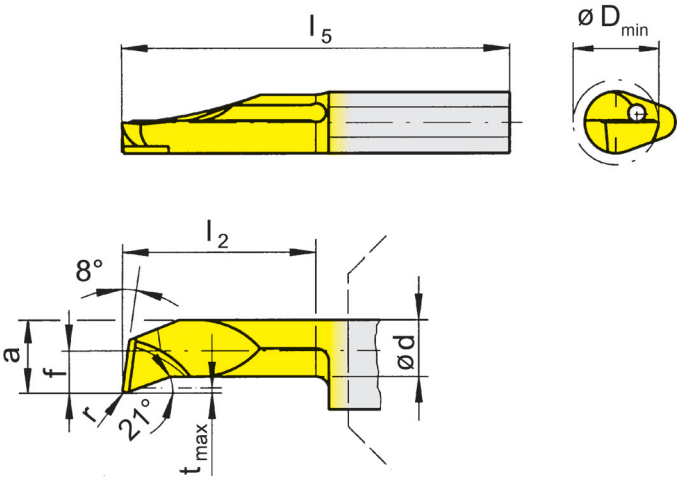
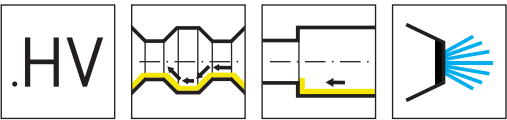
L = left hand version

▲ on stock

Δ 4 weeks

Part number	r	f	a	d	b	l_2	l_5	t_{max}	D_{min}	HIS	IG35	
R105.1819.04.1.HV4	.4	1.9	3.7	2.9	7	10	25	.3	4	105125	▲	▲
R105.1823.04.2.HV5	.4	2.3	4.7	4	7	15	30	.5	5	105125	▲	▲
											P	●
											M	●
											K	●
											N	-
											S	●
											H	-

Dimensions in mm



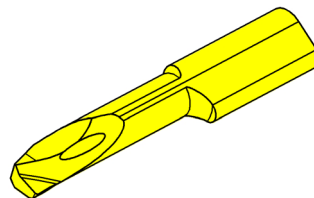
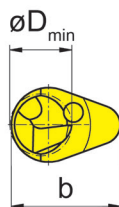
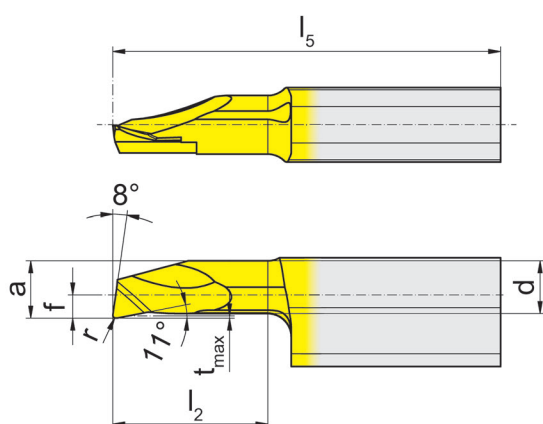
R = right hand version shown

L = left hand version

Carbide grades
▲ on stock Δ 4 weeks

Part number	r	f	a	d	b	l ₂	l ₅	t _{max}	D _{min}	HIS	IG35	
R105.1840.04.5.HV7	.4	4	6.4	5.2	7	30	45	.5	7	105125	▲	
												P ●
												M ●
												K ●
												N -
												S ●
												H -

Dimensions in mm



Carbide grades

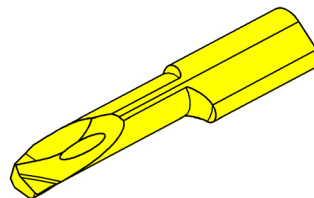
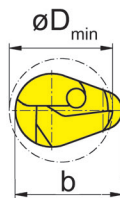
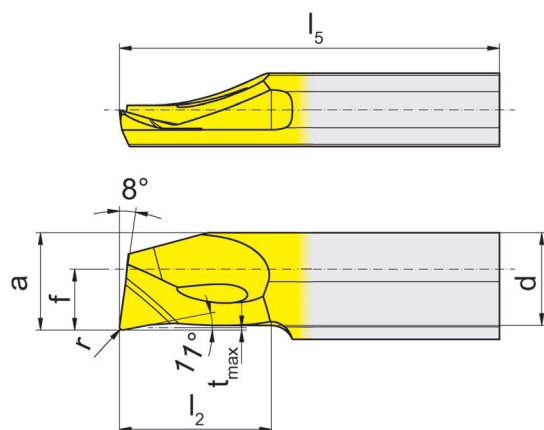
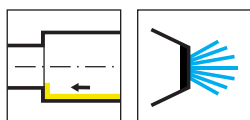
R = right hand version shown

L = left hand version

▲ on stock

Δ 4 weeks

Part number	r	f	a	d	b	l_2	l_5	t_{max}	D_{min}	HIS	IG35
R105.1019.005.1.4	.05	1.5	3.7	3.4	7	10	25	.15	4	105125	
R105.1019.005.2.4	.05	1.5	3.7	3.4	7	15	30	.15	4	105125	
R105.1019.005.3.4	.05	1.5	3.7	3.4	7	20	35	.15	4	105125	
R105.1019.005.4.4	.05	1.5	3.7	3.4	7	25	40	.15	4	105125	
R105.1019.1.4	.2	1.5	3.7	3.4	7	10	25	.15	4	105125	
R105.1019.2.4	.2	1.5	3.7	3.4	7	15	30	.15	4	105125	
R105.1019.3.4	.2	1.5	3.7	3.4	7	20	35	.15	4	105125	
R105.1019.4.4	.2	1.5	3.7	3.4	7	25	40	.15	4	105125	
reinforced version											
P	●										
M	●										
K	●										
N	-										
S	●										
H	-										



Carbide grades

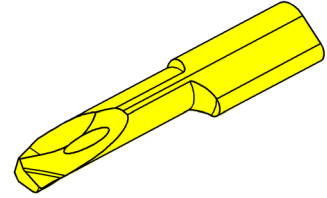
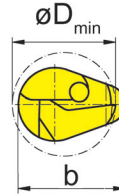
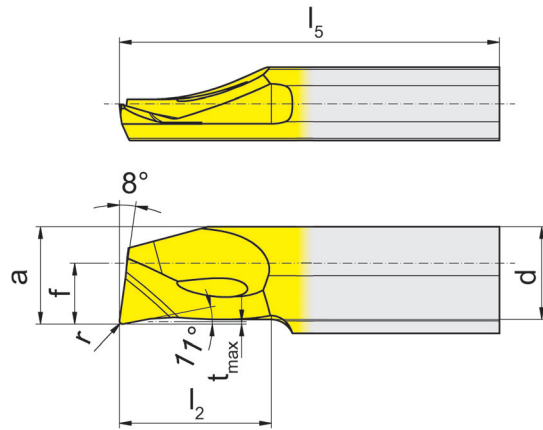
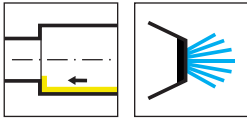
R = right hand version shown

L = left hand version

▲ on stock

Δ 4 weeks

Part number	r	f	a	d	b	l_2	l_5	t_{max}	D_{min}	HIS	IG35
R105.1023.005.1.5	.05	2.8	4.7	4.4	7	10	25	.15	5	105125	
R105.1023.005.2.5	.05	2.8	4.7	4.4	7	15	30	.15	5	105125	
R105.1023.005.3.5	.05	2.8	4.7	4.4	7	20	35	.15	5	105125	
R105.1023.1.5	.2	2.8	4.7	4.4	7	10	25	.15	5	105125	
R105.1023.2.5	.2	2.8	4.7	4.4	7	15	30	.15	5	105125	
R105.1023.3.5	.2	2.8	4.7	4.4	7	20	35	.15	5	105125	
R105.1023.5.5	.2	2.8	4.7	4.4	7	30	45	.15	5	105125	
R105.1023.6.5	.2	2.8	4.7	4.4	7	35	50	.15	5	105125	
reinforced version											P ●
											M ●
											K ●
Dimensions in mm											N -
											S ●
											H -



Carbide grades

R = right hand version shown

L = left hand version

▲ on stock

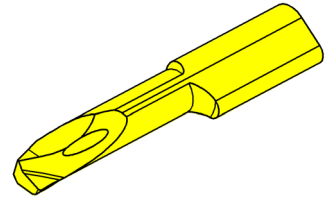
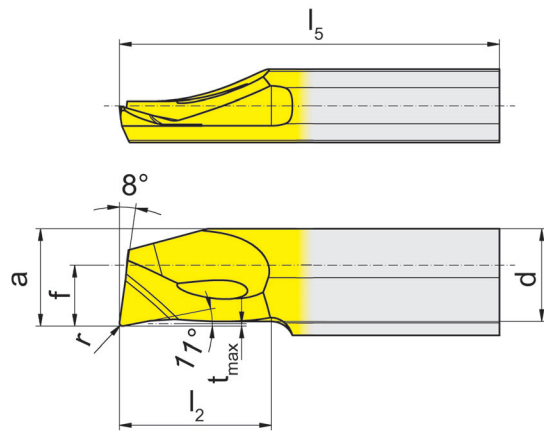
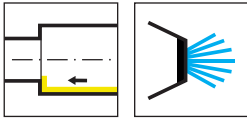
Δ 4 weeks

Part number	r	f	a	d	b	l_2	l_5	$t_{\max}$	$D_{\min}$	HIS	IG35
R105.1033.005.1.6	.05	3.3	5.7	5.4	7	10	25	.15	6	105125	▲
R105.1033.005.2.6	.05	3.3	5.7	5.4	7	15	30	.15	6	105125	▲
R105.1033.005.3.6	.05	3.3	5.7	5.4	7	20	35	.15	6	105125	▲
R105.1033.005.4.6	.05	3.3	5.7	5.4	7	25	40	.15	6	105125	▲
R105.1033.005.5.6	.05	3.3	5.7	5.4	7	30	45	.15	6	105125	▲
R105.1033.005.6.6	.05	3.3	5.7	5.4	7	35	50	.15	6	105125	▲
R105.1033.1.6	.2	3.3	5.7	5.4	7	10	25	.15	6	105125	▲
R105.1033.2.6	.2	3.3	5.7	5.4	7	15	30	.15	6	105125	▲
R105.1033.3.6	.2	3.3	5.7	5.4	7	20	35	.15	6	105125	▲
R105.1033.4.6	.2	3.3	5.7	5.4	7	25	40	.15	6	105125	▲
R105.1033.5.6	.2	3.3	5.7	5.4	7	30	45	.15	6	105125	▲
R105.1033.6.6	.2	3.3	5.7	5.4	7	35	50	.15	6	105125	▲

reinforced version

Dimensions in mm

P	●
M	●
K	●
N	-
S	●
H	-



Carbide grades

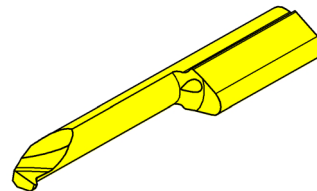
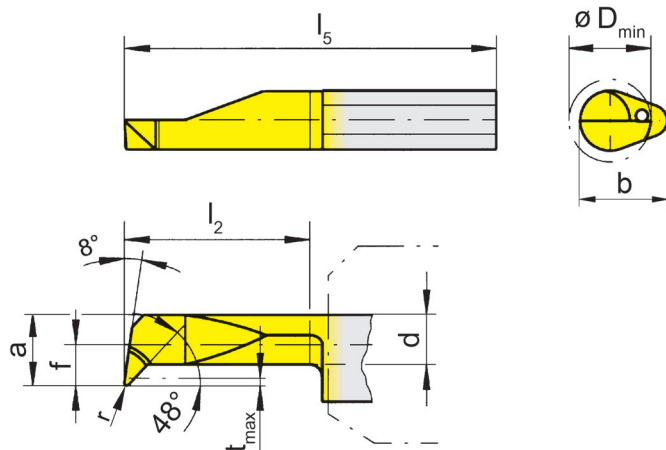
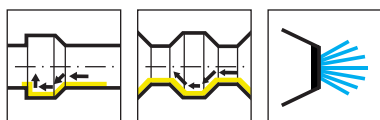
R = right hand version shown

L = left hand version

▲ on stock

Δ 4 weeks

Part number	r	f	a	d	b	l_2	l_5	t_{max}	D_{min}	HIS	IG35	
R105.1040.1.7	.2	4	6.4	6.1	7	10	25	.15	6.8	105125	▲	●
R105.1040.2.7	.2	4	6.4	6.1	7	15	30	.15	6.8	105125	▲	●
R105.1040.3.7	.2	4	6.4	6.1	7	20	35	.15	6.8	105125	▲	●
R105.1040.4.7	.2	4	6.4	6.1	7	25	40	.15	6.8	105125	▲	●
R105.1040.5.7	.2	4	6.4	6.1	7	30	45	.15	6.8	105125	▲	●
R105.1040.6.7	.2	4	6.4	6.1	7	35	50	.15	6.8	105125	▲	●
reinforced version											P	●
											M	●
											K	●
Dimensions in mm											N	-
											S	●
											H	-



Carbide grades

R = right hand version shown

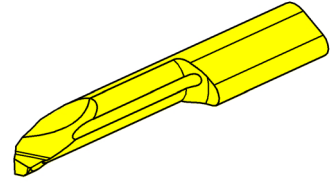
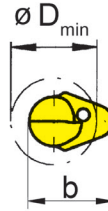
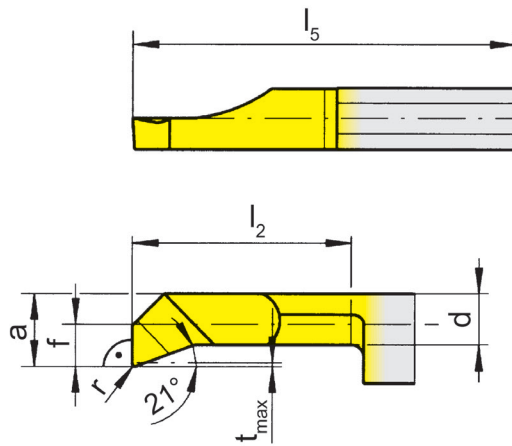
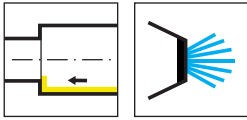
L = left hand version

▲ on stock

△ 4 weeks

Part number	r	f	a	d	b	l_2	l_5	t_{max}	D_{min}	HIS	IG35
R105.4719.1.4	.15	1.9	3.7	2.9	6.4	10	25	.6	4	105124	▲
R105.4719.3.4	.15	1.9	3.7	2.9	6.4	20	35	.6	4	105124	▲
R105.4723.2.5	.15	2.3	4.7	3.7	7	15	30	.8	5	105125	▲
R105.4723.4.5	.15	2.3	4.7	3.7	7	25	40	.8	5	105125	▲
R105.4733.3.6	.15	3.3	5.7	3.7	7	20	35	1.8	6	105125	▲
R105.4733.5.6	.15	3.3	5.7	3.7	7	30	45	1.8	6	105125	▲
											P ●
											M ●
											K ●
											N -
											S ●
											H -

Dimensions in mm



Carbide grades

R = right hand version shown

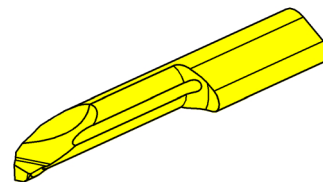
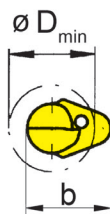
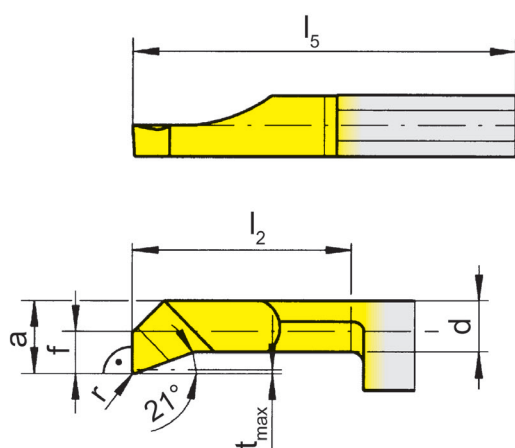
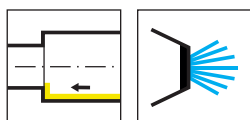
L = left hand version

▲ on stock

△ 4 weeks

Part number	r	f	a	d	b	l_2	l_5	t_{max}	D_{min}	HIS	IG35
R105.9013.01.1.3	.1	1.3	2.6	2.3	5.9	10	25	.15	3	105123	▲
R105.9013.1.3	.2	1.3	2.6	2.3	5.9	10	25	.15	3	105123	▲
R105.9019.01.1.4	.1	1.9	3.7	2.9	6.4	10	25	.3	4	105124	▲
R105.9019.01.2.4	.1	1.9	3.7	2.9	6.4	15	30	.3	4	105124	▲
R105.9019.01.3.4	.1	1.9	3.7	2.9	6.4	20	35	.3	4	105124	▲
R105.9019.1.4	.2	1.9	3.7	2.9	6.4	10	25	.3	4	105124	▲
R105.9019.2.4	.2	1.9	3.7	2.9	6.4	15	30	.3	4	105124	▲
											P ●
											M ●
											K ●
											N -
											S ●
											H -

Dimensions in mm



Carbide grades

R = right hand version shown

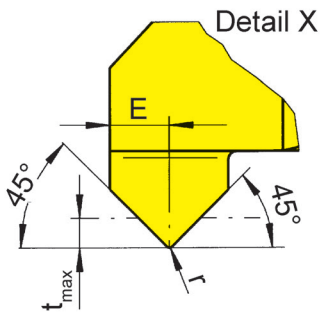
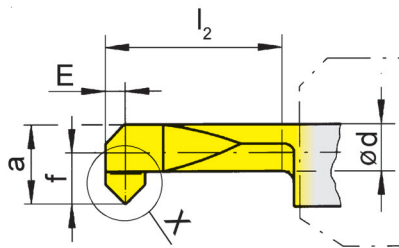
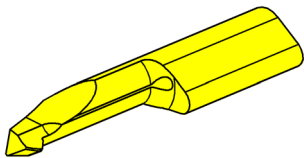
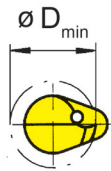
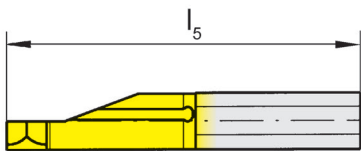
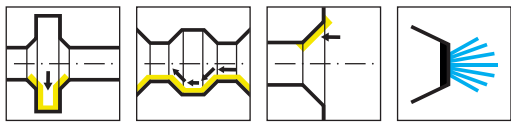
L = left hand version

▲ on stock

Δ 4 weeks

Part number	r	f	a	d	b	l_2	l_5	t_{max}	D_{min}	HIS	IG35	
R105.9023.01.1.5	.1	2.3	4.7	4	7	10	25	.5	5	105125	▲	●
R105.9023.1.5	.2	2.3	4.7	4	7	10	25	.5	5	105125	▲	●
R105.9023.2.5	.2	2.3	4.7	4	7	15	30	.5	5	105125	▲	●
R105.9023.3.5	.2	2.3	4.7	4	7	20	35	.5	5	105125	▲	●
R105.9033.2.6	.2	3.3	5.7	4.7	7	15	30	.5	6	105125	▲	●
R105.9033.3.6	.2	3.3	5.7	4.7	7	20	35	.5	6	105125	▲	●
											P	●
											M	●
											K	●
											N	-
											S	●
											H	-

Dimensions in mm



R = right hand version shown

L = left hand version

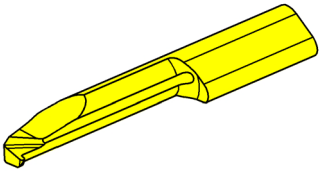
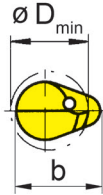
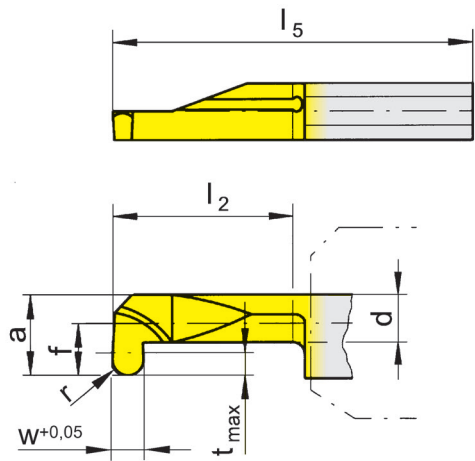
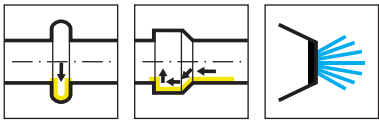
Carbide grades

▲ on stock

Δ 4 weeks

Part number	r	f	E	a	d	b	l ₂	l ₅	t _{max}	D _{min}	HIS	IG35	
R105.4545.2.5	.2	2.3	1	4.7	3.5	7	15	30	.7	5	105125	▲	
												P	●
												M	●
												K	●
												N	-
												S	●
												H	-

Dimensions in mm

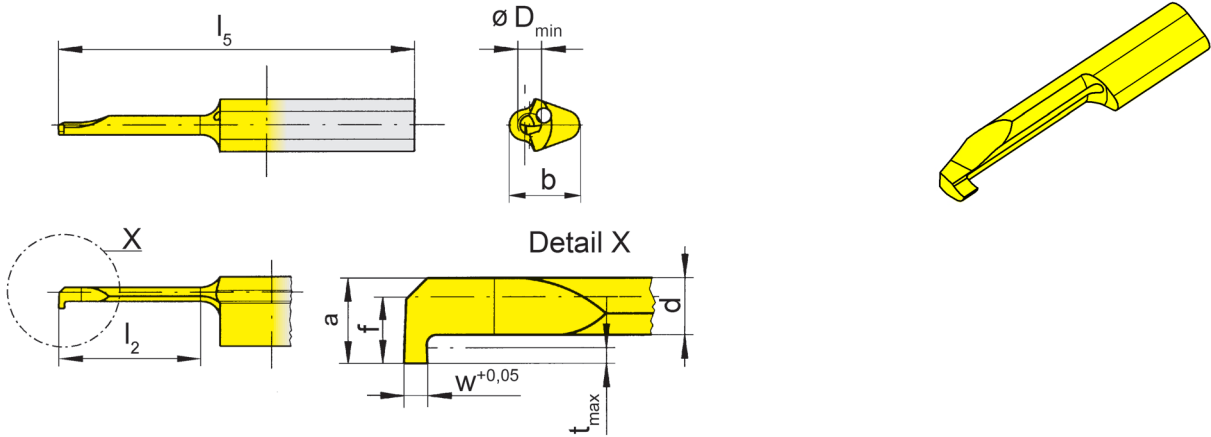
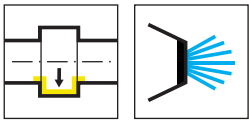


Carbide grades

R = right hand version shown L = left hand version ▲ on stock Δ 4 weeks

Part number	w	r	f	a	d	b	l_2	l_5	t_{max}	D_{min}	HIS	IG35	
R105.0005.2.4	1	.5	1.9	3.7	2.7	6.4	15	30	.8	4	105124	▲	
												P	●
												M	●
												K	●
												N	-
												S	●
												H	-

Dimensions in mm



Carbide grades

R = right hand version shown

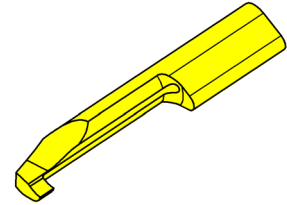
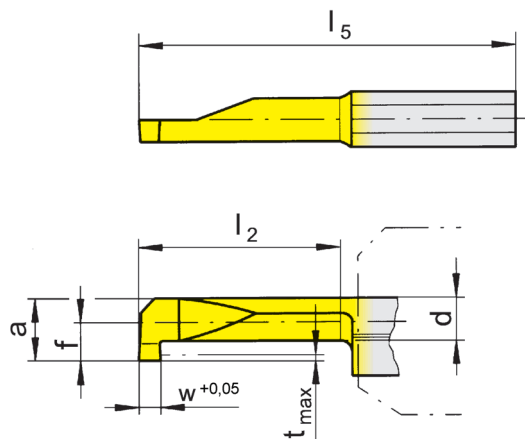
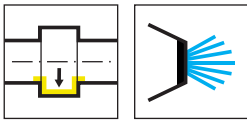
L = left hand version

▲ on stock

Δ 4 weeks

Part number	w	f	a	d	b	l ₂	l ₅	t _{max}	D _{min}	HIS	IG35	
R105.0050.0.2	.5	1.4	1.8	1.2	5.9	6	25	.4	2	105123	▲	P ●
R105.0050.1.2	.5	1.4	1.8	1.2	5.9	9	25	.4	2	105123	▲	M ●
R105.0050.2.2	.5	1.4	1.8	1.2	5.9	12	30	.4	2	105123	▲	K ●
												N -
												S ●
												H -

Dimensions in mm



Carbide grades

R = right hand version shown

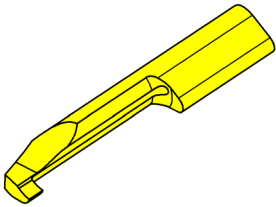
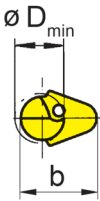
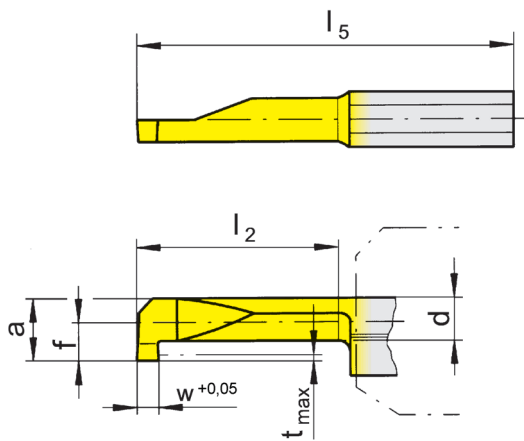
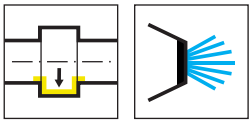
L = left hand version

▲ on stock

Δ 4 weeks

Part number	w	f	a	d	b	l_2	l_5	t_{max}	D_{min}	HIS	IG35	
R105.0070.1.3	.7	1.4	2.7	1.9	5.9	8	25	.6	3	105123	▲	
R105.0070.2.3	.7	1.4	2.7	1.9	5.9	12	30	.6	3	105123	▲	
											P	●
											M	●
											K	●
											N	-
											S	●
											H	-

Dimensions in mm



Carbide grades

R = right hand version shown

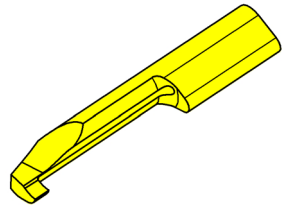
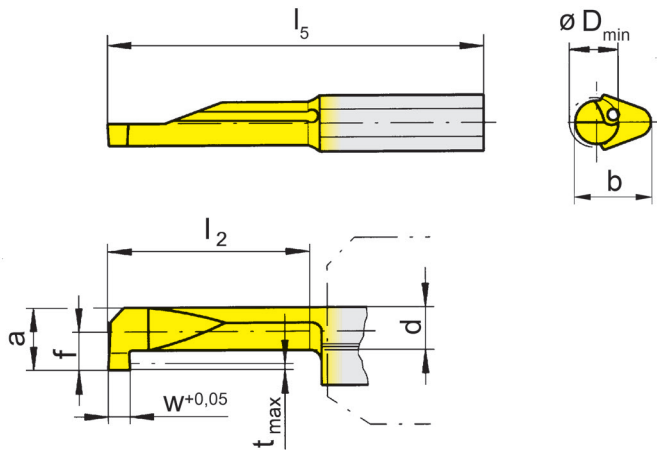
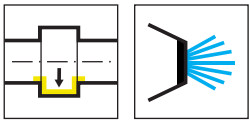
L = left hand version

▲ on stock

Δ 4 weeks

Part number	w	f	a	d	b	l ₂	l ₅	t _{max}	D _{min}	HIS	IG35	
R105.0050.1.4	.5	1.9	3.7	2.9	6.4	10	25	.6	4	105124	▲	P ●
R105.0100.1.4	1	1.9	3.7	2.7	6.4	10	25	.8	4	105124	▲	M ●
R105.0100.2.4	1	1.9	3.7	2.7	6.4	15	30	.8	4	105124	▲	K ●
R105.0100.3.4	1	1.9	3.7	2.7	6.4	20	35	.8	4	105124	▲	N -
L105.0100.1.4	1	1.9	3.7	2.7	6.4	10	25	.8	4	105124	▲	S ●
												H -

Dimensions in mm



Carbide grades

R = right hand version shown

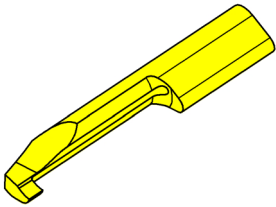
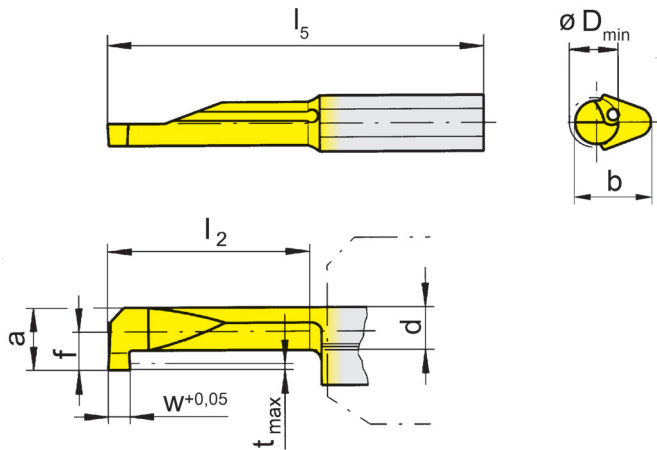
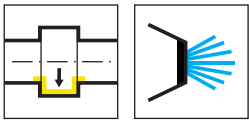
L = left hand version

▲ on stock

Δ 4 weeks

Part number	w	f	a	d	b	l ₂	l ₅	t _{max}	D _{min}	HIS	IG35	
R105.0100.2.5	1	2.3	4.7	3.5	7	15	30	1	5	105125	▲	
												P ●
												M ●
												K ●
												N -
												S ●
												H -

Dimensions in mm

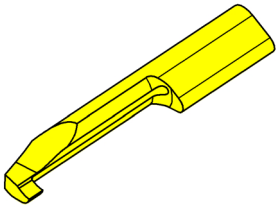
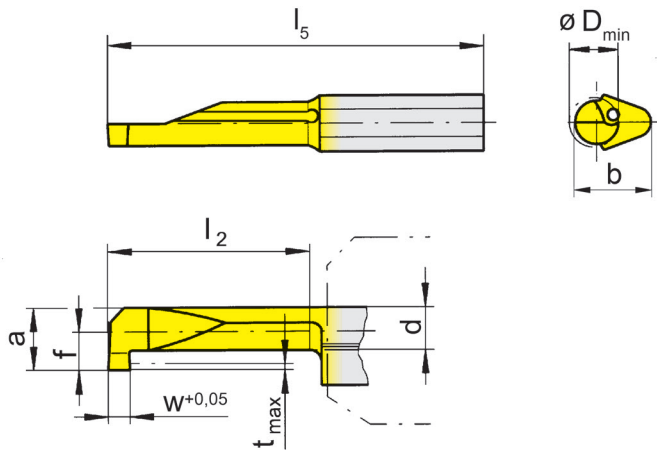
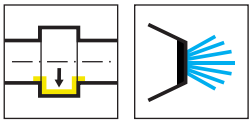


Carbide grades

R = right hand version shown L = left hand version ▲ on stock Δ 4 weeks

Part number	w	f	a	d	b	l ₂	l ₅	t _{max}	D _{min}	HIS	IG35	
R105.0100.4.5	1	2.3	4.7	3.5	7	25	40	1	5	105125	▲	
												P ●
												M ●
												K ●
												N -
												S ●
												H -

Dimensions in mm

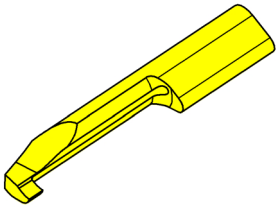
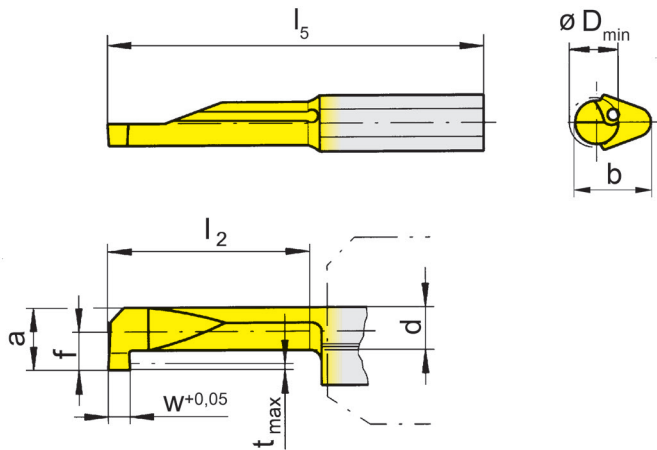
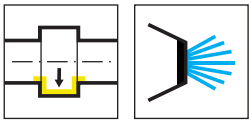


Carbide grades

R = right hand version shown L = left hand version ▲ on stock Δ 4 weeks

Part number	w	f	a	d	b	l ₂	l ₅	t _{max}	D _{min}	HIS	IG35	
R105.0100.1.6	1	3.3	5.7	3.7	7	10	25	1.8	6	105125	▲	
R105.0100.2.6	1	3.3	5.7	3.7	7	15	30	1.8	6	105125	▲	
R105.0150.3.6	1.5	3.3	5.7	3.7	7	20	35	1.8	6	105125	▲	
											P	●
											M	●
											K	●
											N	-
											S	●
											H	-

Dimensions in mm



R = right hand version shown

L = left hand version

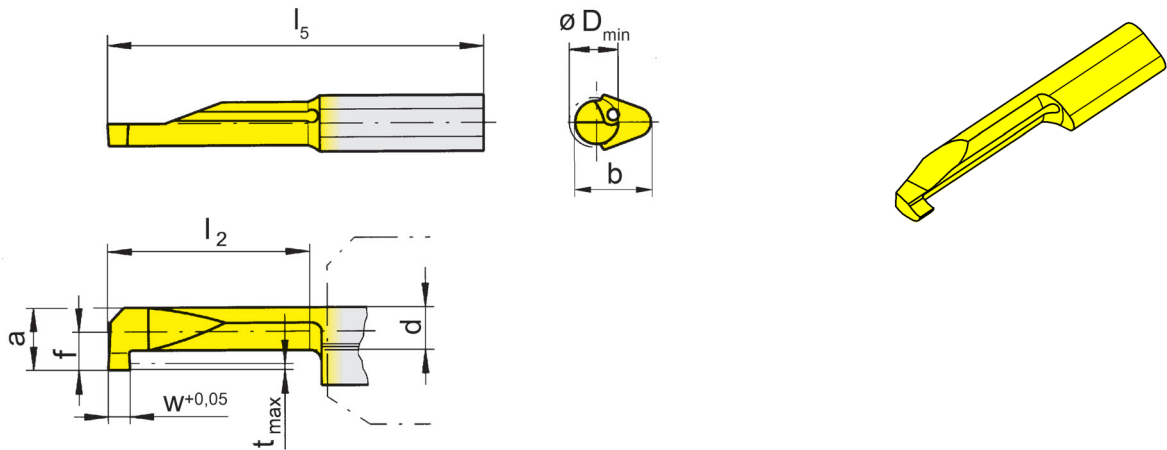
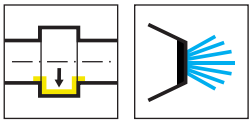
▲ on stock

Δ 4 weeks

Carbide grades

Part number	w	f	a	d	b	l_2	l_5	t_{max}	D_{min}	HIS	IG35	
R105.0150.5.6	1.5	3.3	5.7	3.7	7	30	45	1.8	6	105125	▲	
											P	●
											M	●
											K	●
											N	-
											S	●
											H	-

Dimensions in mm

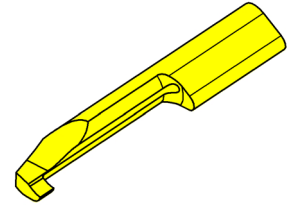
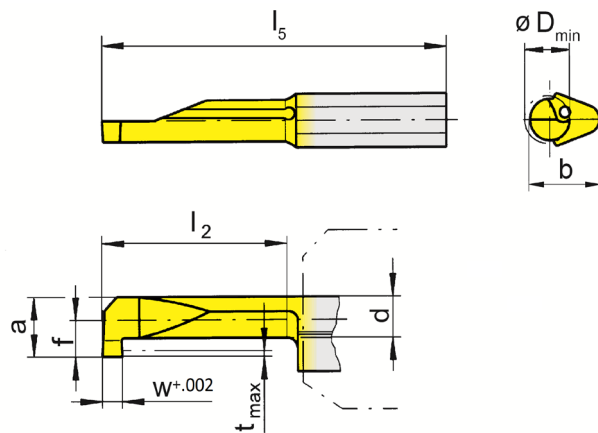
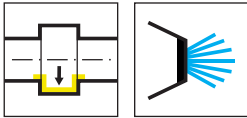


Carbide grades

R = right hand version shown L = left hand version ▲ on stock Δ 4 weeks

Part number	w	f	a	d	b	l ₂	l ₅	t _{max}	D _{min}	HIS	IG35	
R105.0100.3.7	1	4	6.4	3.7	7	20	35	2.5	6.8	105125	▲	●
R105.0150.1.7	1.5	4	6.4	3.7	7	10	25	2.5	6.8	105125	▲	●
											P	●
											M	●
											K	●
											N	-
											S	●
											H	-

Dimensions in mm



Carbide grades

R = right hand version shown

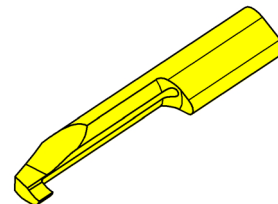
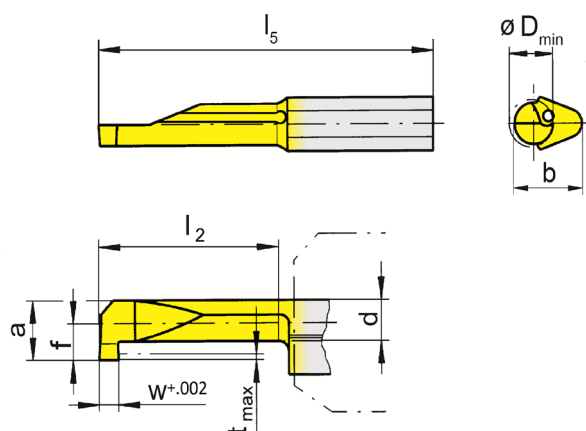
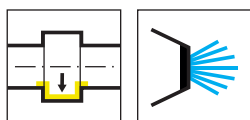
L = left hand version

▲ on stock

Δ 4 weeks

Part number	w	f	a	d	b	l_2	l_5	t_{max}	D_{min}	HIS	IG35
RU105.0031.1.6	.031	.130	.224	.146	.276	.394	.984	.071	.236	105125	▲
RU105.0062.1.6	.062	.130	.224	.146	.276	.394	.984	.071	.236	105125	▲
RU105.0078.1.6	.078	.130	.224	.146	.276	.394	.984	.071	.236	105125	▲
RU105.0062.3.6	.062	.130	.224	.146	.276	.787	1.378	.071	.236	105125	▲
LU105.0078.1.6	.078	.130	.224	.146	.276	.394	.984	.071	.236	105125	▲
											P ●
											M ●
											K ●
											N -
											S ●
											H -

Dimensions in inch



Carbide grades

R = right hand version shown

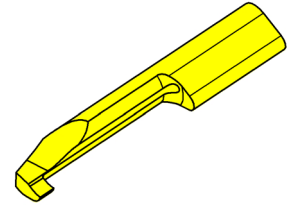
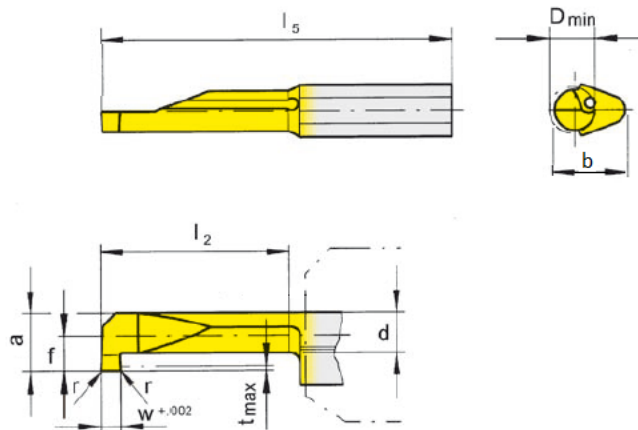
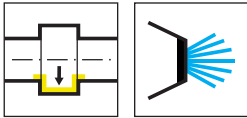
L = left hand version

▲ on stock

Δ 4 weeks

Part number	w	f	a	d	b	l_2	l_5	t_{max}	D_{min}	HIS	IG35
RU105.0031.2.4	.031	.075	.146	.106	.252	.591	1.181	.031	.157	105125	▲
RU105.0031.1.5	.031	.091	.185	.138	.276	.394	.984	.039	.197	105125	▲
RU105.0062.3.6	.062	.130	.224	.146	.276	.787	1.378	.071	.236	105125	▲
RU105.0031.1.7	.031	.157	.252	.146	.276	.394	.984	.098	.268	105125	▲
RU105.0031.2.7	.031	.157	.252	.146	.276	.591	1.181	.098	.268	105125	▲
RU105.0031.3.7	.031	.157	.252	.146	.276	.787	1.378	.098	.268	105125	▲
RU105.0062.3.7	.062	.157	.252	.146	.276	.787	1.378	.098	.268	105125	▲
											P ●
											M ●
											K ●
											N -
											S ●
											H -

Dimensions in inch



Carbide grades

R = right hand version shown

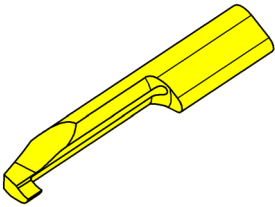
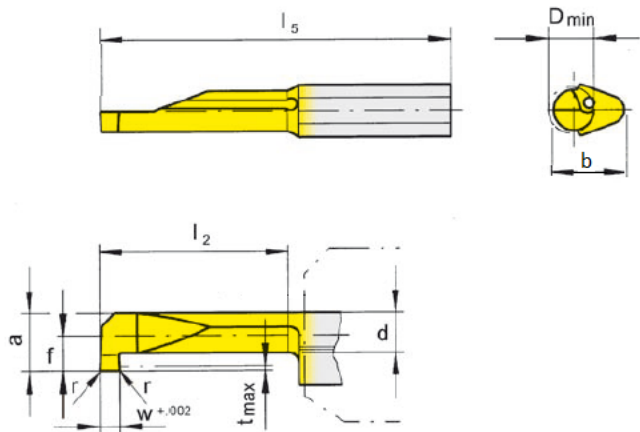
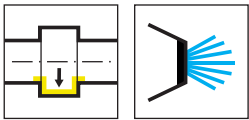
L = left hand version

▲ on stock

Δ 4 weeks

Part number	w	f	a	d	b	l_2	l_5	t_{max}	D_{min}	r	HIS	IG35	
RU105.4604.1.5	.046	.091	.185	.138	.276	.394	.984	.039	.197	.004	105125	▲	
RU105.6204.1.5	.062	.091	.185	.138	.276	.394	.984	.039	.197	.004	105125	▲	
RU105.7804.3.5	.078	.091	.185	.138	.276	.787	1.378	.039	.197	.004	105125	▲	
RU105.7804.5.5	.078	.091	.185	.138	.276	.787	1.378	.039	.197	.004	105125	▲	
												P	●
												M	●
												K	●
												N	-
												S	●
												H	-

Dimensions in inch



R = right hand version shown

L = left hand version

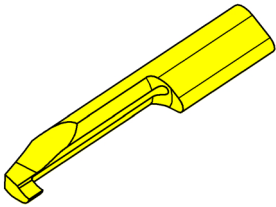
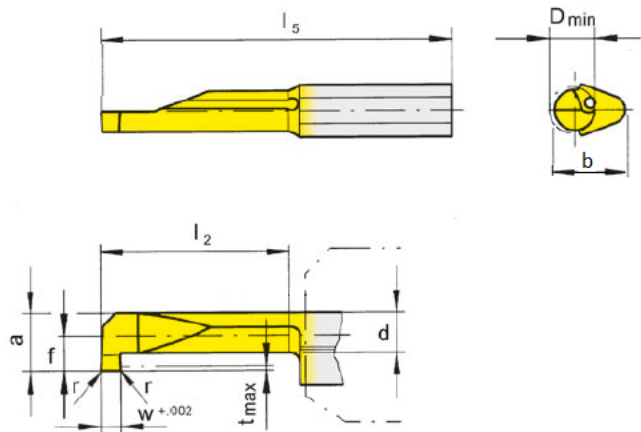
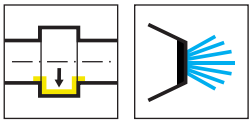
Carbide grades

▲ on stock

Δ 4 weeks

Part number	w	f	a	d	b	l ₂	l ₅	t _{max}	D _{min}	r	HIS	IG35	
RU105.6204.1.6	.062	.091	.185	.138	.276	1.181	1.772	.039	.197	.004	105125	▲	
												P	●
												M	●
												K	●
												N	-
												S	●
												H	-

Dimensions in inch



R = right hand version shown

L = left hand version

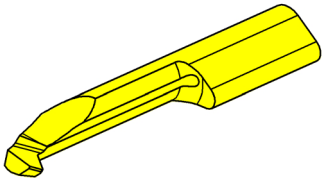
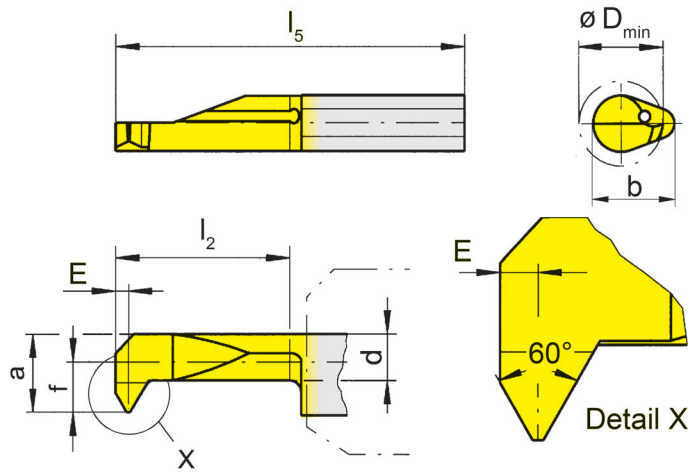
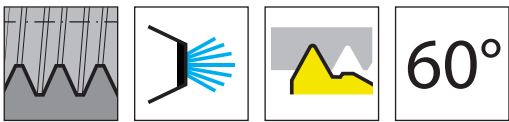
Carbide grades

▲ on stock

Δ 4 weeks

Part number	w	f	a	d	b	l ₂	l ₅	t _{max}	D _{min}	r	HIS	IG35	
RU105.4604.1.7	.046	.157	.252	.146	.276	.394	.984	.098	.268	.004	105125	▲	
RU105.7804.1.7	.078	.157	.252	.146	.276	.394	.984	.098	.268	.004	105125	▲	
RU105.7808.2.7	.078	.157	.252	.146	.276	.591	1.181	.098	.268	.008	105125	▲	
RU105.6204.3.7	.062	.157	.252	.146	.276	.787	1.378	.098	.268	.004	105125	▲	
												P	●
												M	●
												K	●
												N	-
												S	●
												H	-

Dimensions in inch



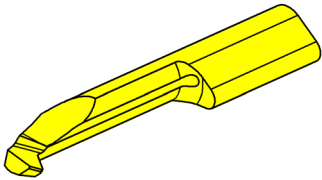
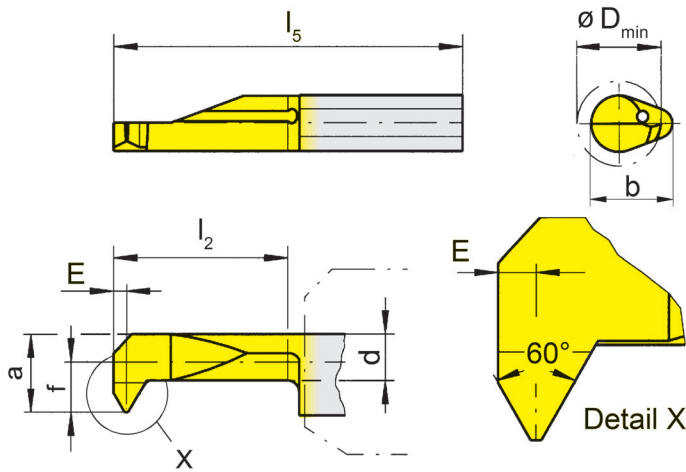
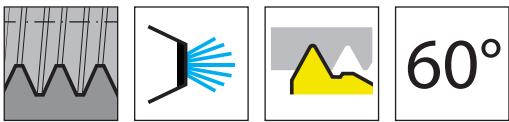
R = right hand version shown

L = left hand version

Carbide grades
▲ on stock Δ 4 weeks

Part number	P	E	f	a	d	b	l ₂	l ₅	D _{min}	HIS	IG35	
R105.0205.2.4	.5	.35	1.9	3.7	2.7	6.4	15	30	4	105124	▲	
R105.0205.2.5	.5	.35	2.3	4.7	3.5	7	15	30	5	105125	▲	
											P	●
											M	●
											K	●
											N	-
											S	●
											H	-

Dimensions in mm



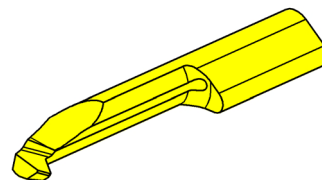
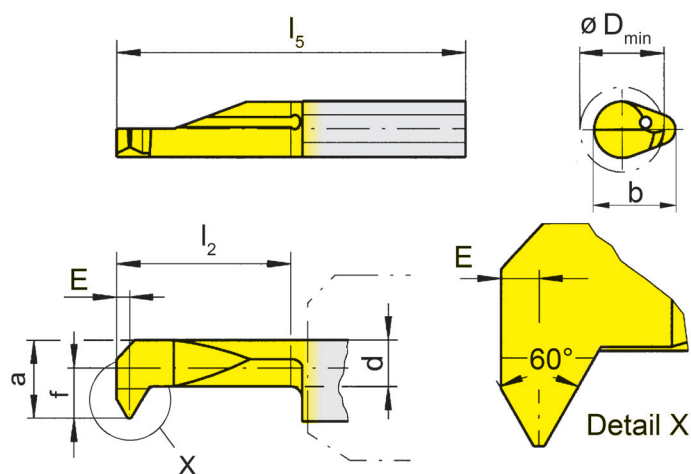
R = right hand version shown

L = left hand version

Carbide grades
▲ on stock Δ 4 weeks

Part number	P	P _{max}	E	f	a	d	b	l ₂	l ₅	D _{min}	HIS	IG35	
R105.0407.2.3	.5	.75	.45	1.4	2.7	2	5.9	15	30	3	105123	▲	P ●
R105.0407.2.5	.5	.75	.45	2.3	4.7	3.5	7	15	30	5	105125	▲	M ●
													K ●
													N -
													S ●
													H -

Dimensions in mm



Carbide grades

R = right hand version shown

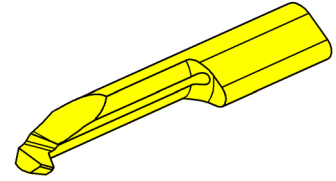
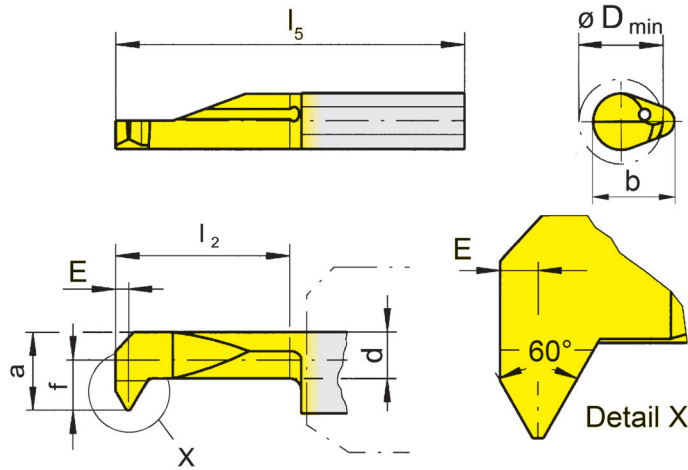
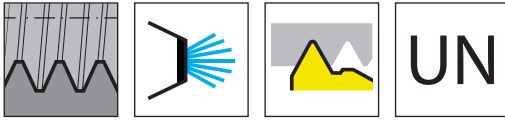
L = left hand version

▲ on stock

△ 4 weeks

Part number	P	P _{max}	E	f	a	d	b	l ₂	l ₅	D _{min}	HIS	IG35
R105.0510.2.5	1	1	.55	2.1	4.5	3.5	7	15	30	4.8	105125	▲
R105.0510.2.6	1	1	.55	3.3	5.7	3.7	7	15	30	6	105125	▲
R105.0510.3.5	1	1	.55	2.1	4.5	3.5	7	20	35	4.8	105125	▲
R105.0612.2.6	1.25	1.25	.65	3.3	5.7	3.7	7	15	30	6	105125	▲
R105.0612.4.6	1.25	1.25	.65	3.3	5.7	3.7	7	25	40	6	105125	▲
R105.0815.2.7	1.5	1.5	.75	4	6.4	3.7	7	15	30	7	105125	▲
												P ●
												M ●
												K ●
												N -
												S ●
												H -

Dimensions in mm



Carbide grades

R = right hand version shown

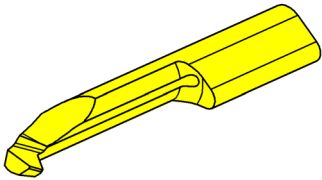
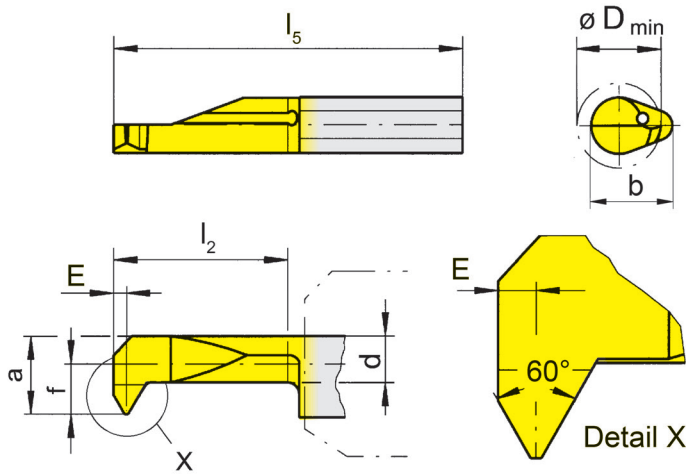
L = left hand version

▲ on stock

△ 4 weeks

Part number	TPI _{min}	TPI _{max}	E	f	a	d	b	l ₂	l ₅	D _{min}	HIS	IG35
R105.1620.2.5	16	20	.7	2.3	4.7	3.3	7	15	30	5	105125	▲
R105.1620.3.5	16	20	.7	2.3	4.7	3.3	7	20	35	5	105125	▲
R105.2428.2.5	24	28	.55	2.3	4.7	3.5	7	15	30	5	105125	▲
R105.1620.2.6	16	20	.7	3.3	5.7	3.7	7	15	30	6	105125	▲
R105.1620.3.6	16	20	.7	3.3	5.7	3.7	7	20	35	6	105125	▲
R105.1620.4.6	16	20	.7	3.3	5.7	3.7	7	25	40	6	105125	▲
R105.2428.2.6	24	28	.55	3.3	5.7	3.7	7	15	30	6	105125	▲
R105.2428.3.6	24	28	.55	3.3	5.7	3.7	7	20	35	6	105125	▲
R105.2428.4.6	24	28	.55	3.3	5.7	3.7	7	25	40	6	105125	▲
L105.3240.2.4	32	40	.45	1.9	3.7	2.7	6.4	15	30	4	105124	▲
L105.3240.2.5	32	40	.45	2.3	4.7	3.5	7	15	30	5	105125	▲
												P ●
												M ●
												K ●
												N -
												S ●
												H -

Dimensions in mm



Carbide grades

R = right hand version shown

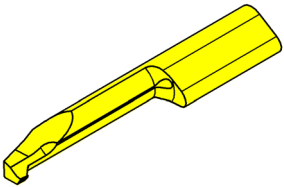
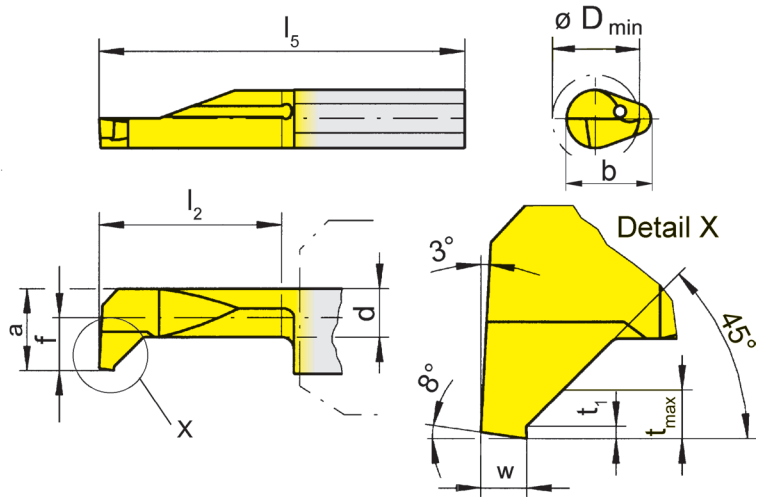
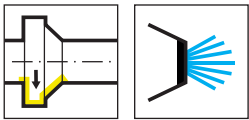
L = left hand version

▲ on stock

Δ 4 weeks

Part number	TPI	E	f	a	d	b	l ₂	l ₅	D _{min}	HIS	IG35	
R105.NP18.2.6	18	1	3.3	5.7	3.7	7	15	30	6	105125	▲	●
R105.NP27.2.6	27	.8	3.3	5.7	3.7	7	15	30	6	105125	▲	●
											P	●
											M	●
											K	●
											N	-
											S	●
											H	-

Dimensions in mm



R = right hand version shown

L = left hand version

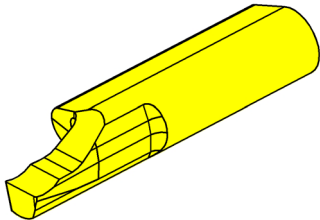
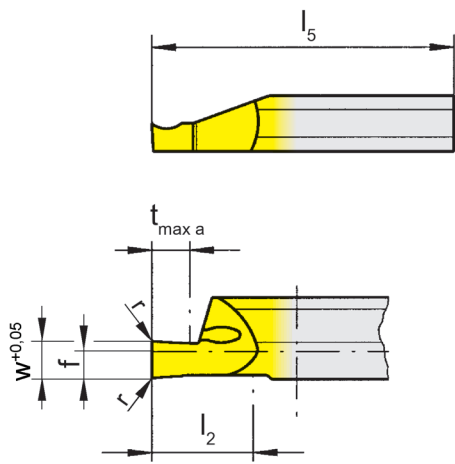
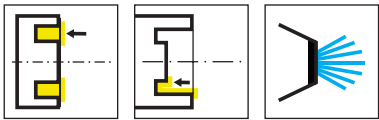
Carbide grades

▲ on stock

Δ 4 weeks

Part number	w	f	a	d	b	l ₂	l ₅	t _{max}	t ₁	D _{min}	HIS	IG35	
R105.0810.2.5	1	2.3	4.7	3.5	7	15	30	.7	.2	5	105125	▲	P ●
R105.0810.4.5	1	2.3	4.7	3.5	7	25	40	.7	.2	5	105125	▲	M ●
													K ●
													N -
													S ●
													H -

Dimensions in mm



Carbide grades

R = right hand version shown

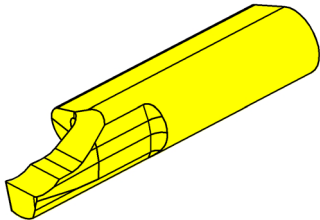
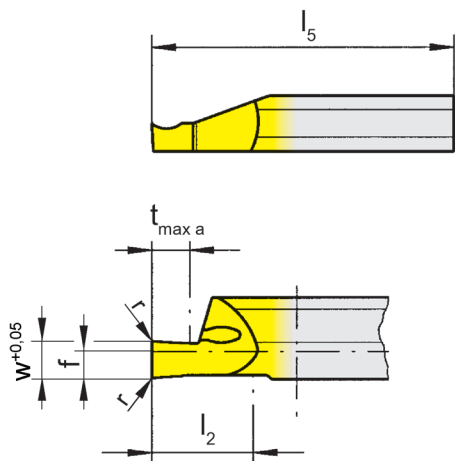
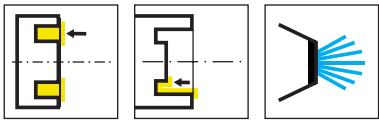
L = left hand version

▲ on stock

Δ 4 weeks

Part number	w	r	f	b	l ₂	l ₅	t _{max a}	D _{a min}	HIS	IG35	
R105.0510.1.8	1	.05	2	7	10	25	2	5	105125	▲	●
R105.0515.1.8	1.5	.05	2	7	10	25	3	5	105125	▲	●
R105.0520.1.8	2	.05	2	7	10	25	5	5	105125	▲	●
R105.0510.2.8	1	.05	2	7	15	35	2	5	105125	▲	●
										P	●
										M	●
										K	●
										N	-
										S	●
										H	-

Dimensions in mm



Carbide grades

R = right hand version shown

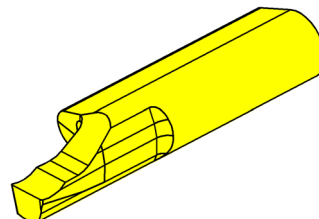
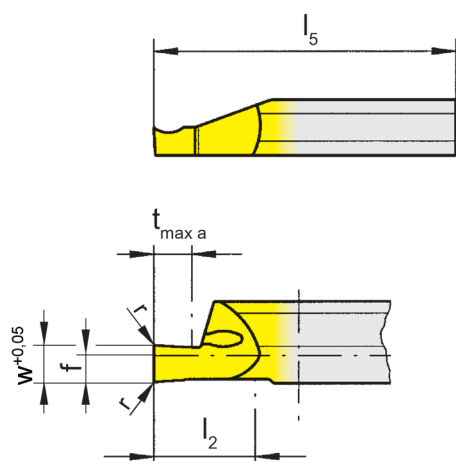
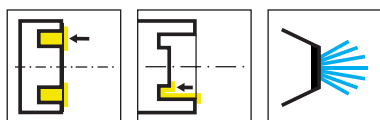
L = left hand version

▲ on stock

Δ 4 weeks

Part number	w	r	f	b	l ₂	l ₅	t _{max a}	D _{a min}	HIS	IG35	
R105.0610.1.8	1	.05	2	7	10	25	2	6	105125	▲	▲
R105.0615.1.8	1.5	.05	2	7	10	25	3	6	105125	▲	▲
R105.0620.1.8	2	.05	2	7	10	25	5	6	105125	▲	▲
										P	●
										M	●
										K	●
										N	-
										S	●
										H	-

Dimensions in mm



Carbide grades

R = right hand version shown

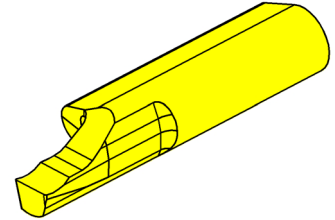
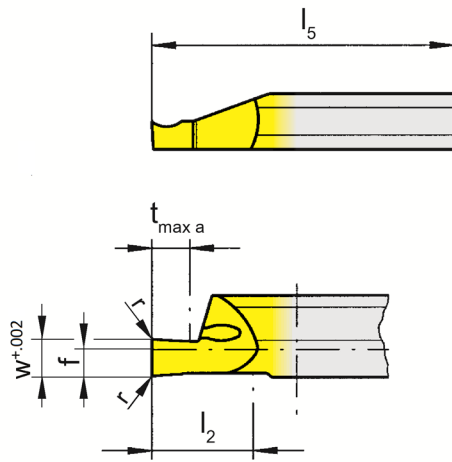
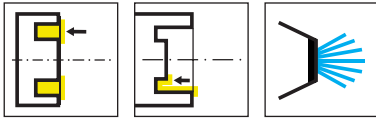
L = left hand version

▲ on stock

Δ 4 weeks

Part number	w	r	f	b	l_2	l_5	$t_{\max a}$	$D_{a \min}$	HIS	IG35
R105.0810.1.8	1	.15	2	7	10	25	2	8	105125	
R105.0815.1.8	1.5	.15	2	7	10	25	3	8	105125	
R105.0820.1.8	2	.15	2	7	10	25	4	8	105125	
R105.0825.1.8	2.5	.15	2	7	10	25	5	8	105125	
R105.0830.1.8	3	.15	2	7	10	25	6	8	105125	
R105.0830.2.8	3	.15	2	7	15	35	6	8	105125	
										P ●
										M ●
										K ●
										N -
										S ●
										H -

Dimensions in mm



Carbide grades

R = right hand version shown

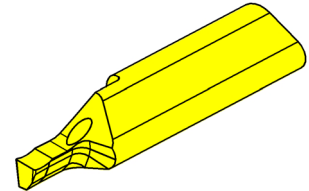
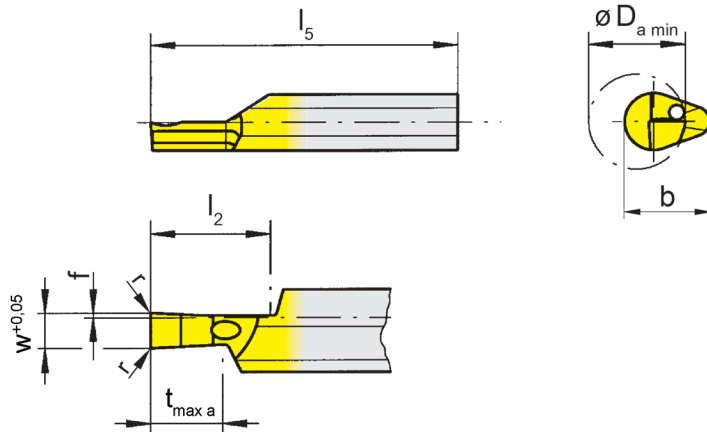
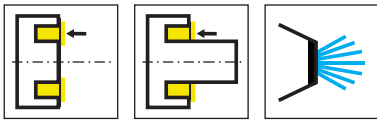
L = left hand version

▲ on stock

△ 4 weeks

Part number	w	r	f	b	l_2	l_5	$t_{\max a}$	$D_{a \min}$	HIS	IG35
RU105.0846.1.8	.046	.006	.079	.276	.394	.984	.098	.315	105125	
RU105.0862.1.8	.062	.006	.079	.276	.394	.984	.118	.315	105125	
RU105.0878.1.8	.078	.006	.079	.276	.394	.984	.157	.315	105125	
RU105.0894.1.8	.094	.006	.079	.276	.394	.984	.197	.315	105125	
RU105.0812.1.8	.125	.006	.079	.276	.394	.984	.236	.315	105125	
LU105.0862.1.8	.062	.006	.079	.276	.394	.984	.118	.315	105125	
RU105.0862.2.8	.062	.006	.079	.276	.591	1.378	.118	.315	105125	
										P ●
										M ●
										K ●
										N -
										S ●
										H -

Dimensions in inch



Carbide grades

R = right hand version shown

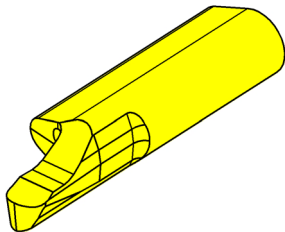
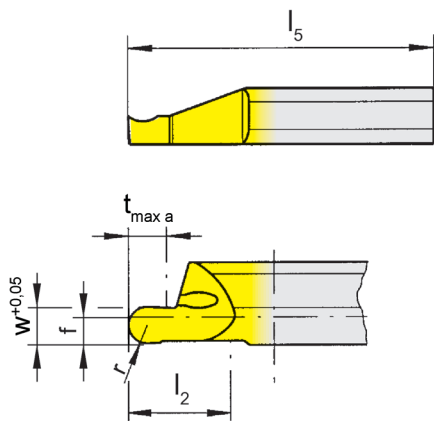
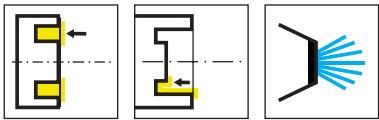
L = left hand version

▲ on stock

Δ 4 weeks

Part number	w	r	f	b	l_2	l_5	$t_{\max a}$	$D_{a \min}$	HIS	IG35
R105.0810.1.9	1	.15	.4	7	10	25	2	8	105125	
R105.0815.1.9	1.5	.15	.4	7	10	25	3	8	105125	
R105.0820.1.9	2	.15	.4	7	10	25	4	8	105125	
R105.0830.1.9	3	.15	.4	7	10	25	6	8	105125	
L105.0825.1.9	2.5	.15	.4	7	10	25	5	8	105125	
										P ●
										M ●
										K ●
										N -
										S ●
										H -

Dimensions in mm



Carbide grades

R = right hand version shown

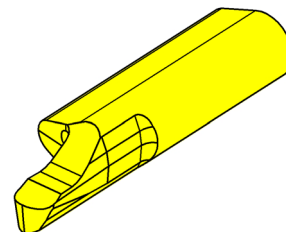
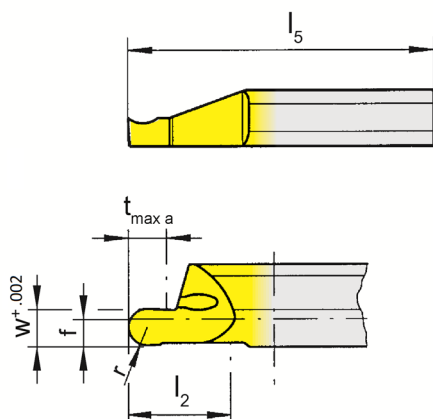
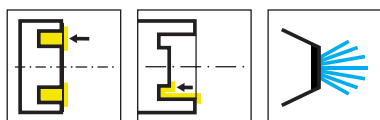
L = left hand version

▲ on stock

Δ 4 weeks

Part number	w	r	f	b	l ₂	l ₅	t _{max a}	D _{a min}	HIS	IG35
R105.8V10.1.8	1	.5	2	7	10	25	2	8	105125	
R105.8V20.1.8	2	1	2	7	10	25	4	8	105125	
										P ●
										M ●
										K ●
										N -
										S ●
										H -

Dimensions in mm



Carbide grades

R = right hand version shown

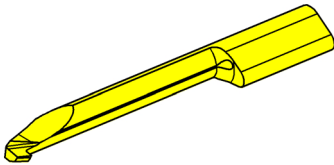
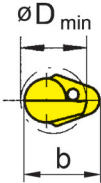
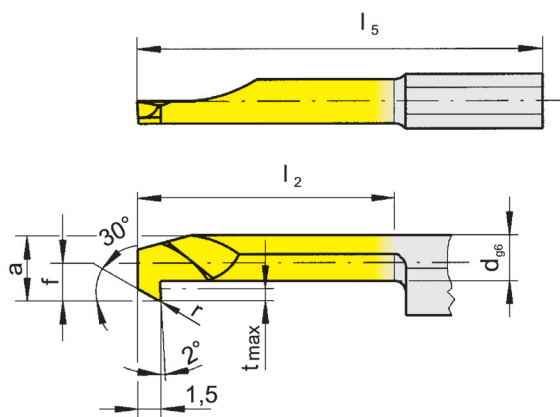
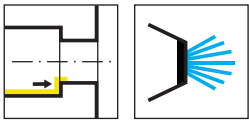
L = left hand version

▲ on stock

Δ 4 weeks

Part number	w	r	f	b	l_2	l_5	$t_{\max a}$	$D_{a \min}$	HIS		
RU105.FF46.1.8	.046	.023	.079	.276	.394	.984	.098	.315	105125	▲	IG35
RU105.FF62.1.8	.062	.031	.079	.276	.394	.984	.118	.315	105125	▲	
RU105.FF78.1.8	.078	.039	.079	.276	.394	.984	.157	.315	105125	▲	
RU105.FF12.2.8	.125	.062	.079	.276	.591	1.378	.236	.315	105125	▲	
RU105.FF62.2.8	.062	.031	.079	.276	.591	1.378	.118	.315	105125	▲	
										P	●
										M	●
										K	●
										N	-
										S	●
										H	-

Dimensions in inch

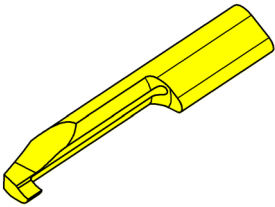
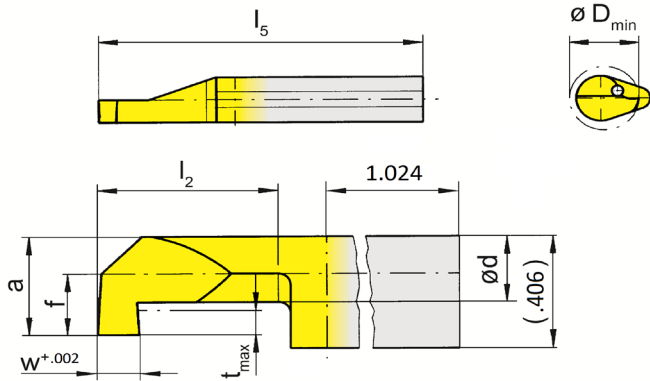
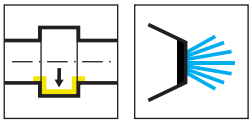


Carbide grades

R = right hand version shown L = left hand version ▲ on stock Δ 4 weeks

Part number	r	f	a	d	b	l ₂	l ₅	t _{max}	D _{min}	HIS	IG35	
R105.3019.2.4	.15	1.9	3.7	2.7	6.4	15	30	.8	4	105124	▲	
R105.3033.3.6	.2	3.3	5.7	3.7	7	20	35	1.8	6	105125	▲	
R105.3040.3.7	.2	4	6.4	3.7	7	20	35	2.5	6.8	105125	▲	
											P	●
											M	●
											K	●
											N	-
											S	●
											H	-

Dimensions in mm



R = right hand version shown

L = left hand version

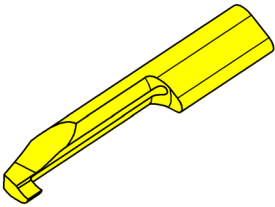
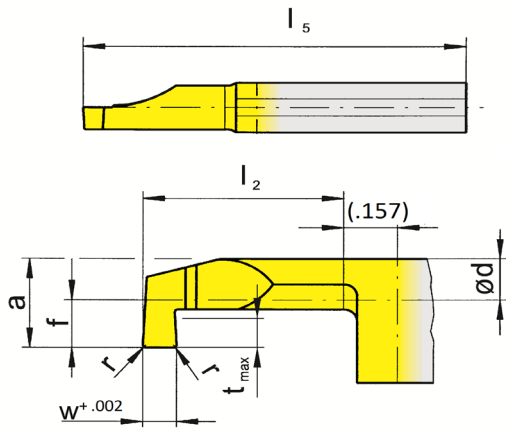
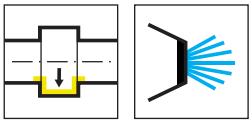
▲ on stock

Δ 4 weeks

Carbide grades

Part number	w	f	a	d	l ₂	l ₅	t _{max}	D _{min}	HIS	IG35	
RU110.0062.3.8	.062	.157	.291	.165	.787	1.969	.110	.315	110260	▲	
										P	●
										M	●
										K	●
										N	-
										S	●
										H	-

Dimensions in inch



Carbide grades

R = right hand version shown

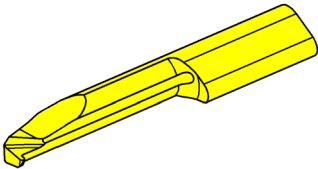
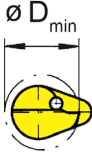
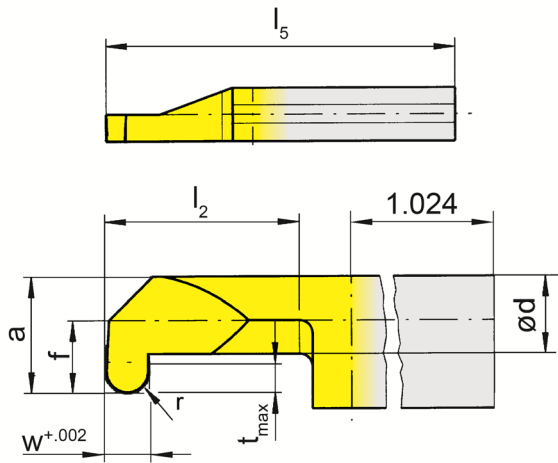
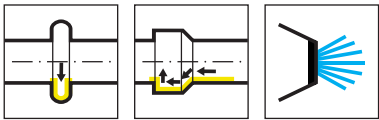
L = left hand version

▲ on stock

Δ 4 weeks

Part number	w	f	a	d	l ₂	l ₅	t _{max}	D _{min}	r	HIS	IG35	
RU110.6208.3.8	.062	.157	.291	.165	.787	1.969	.110	.315	.008	110260	▲	
RU110.9408.3.0	.094	.236	.370	.197	.787	1.969	.157	.394	.008	110260	▲	
											P	●
											M	●
											K	●
											N	-
											S	●
											H	-

Dimensions in inch



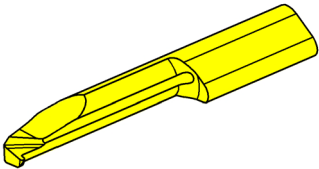
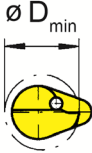
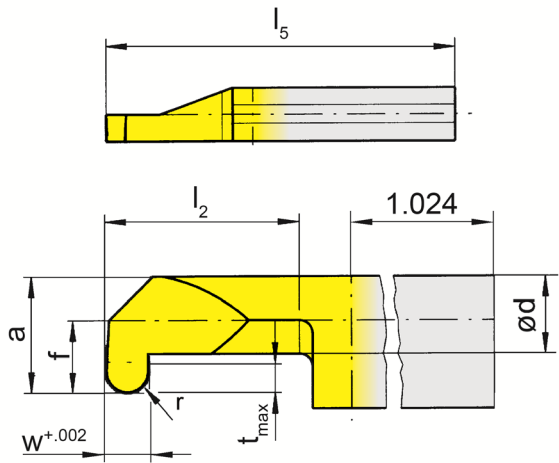
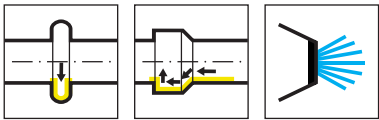
R = right hand version shown

L = left hand version

Carbide grades
▲ on stock Δ 4 weeks

Part number	w	r	f	a	d	l ₂	l ₅	t _{max}	D _{min}	HIS	IG35	
RU110.3162.1.0	.062	.031	.236	.370	.197	.394	1.575	.157	.394	110260	▲	
											P	●
											M	●
											K	●
											N	-
											S	●
											H	-

Dimensions in inch



R = right hand version shown

L = left hand version

Carbide grades
▲ on stock Δ 4 weeks

Part number	w	r	f	a	d	l ₂	l ₅	t _{max}	D _{min}	HIS	IG35	
RU110.3162.3.8	.062	.031	.157	.291	.165	.787	1.969	.110	.315	110260	▲	
											P	●
											M	●
											K	●
											N	-
											S	●
											H	-

Dimensions in inch

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NORTH AMERICAN HEADQUARTERS

Horn USA, Inc.

1870 General George Patton Dr.
Franklin, TN 37067-2786
United States of America

Tel: +1 (888) 818-HORN
Fax: +1 (615) 771-4101

info@us.horn-group.com
www.horn-group.com/us