



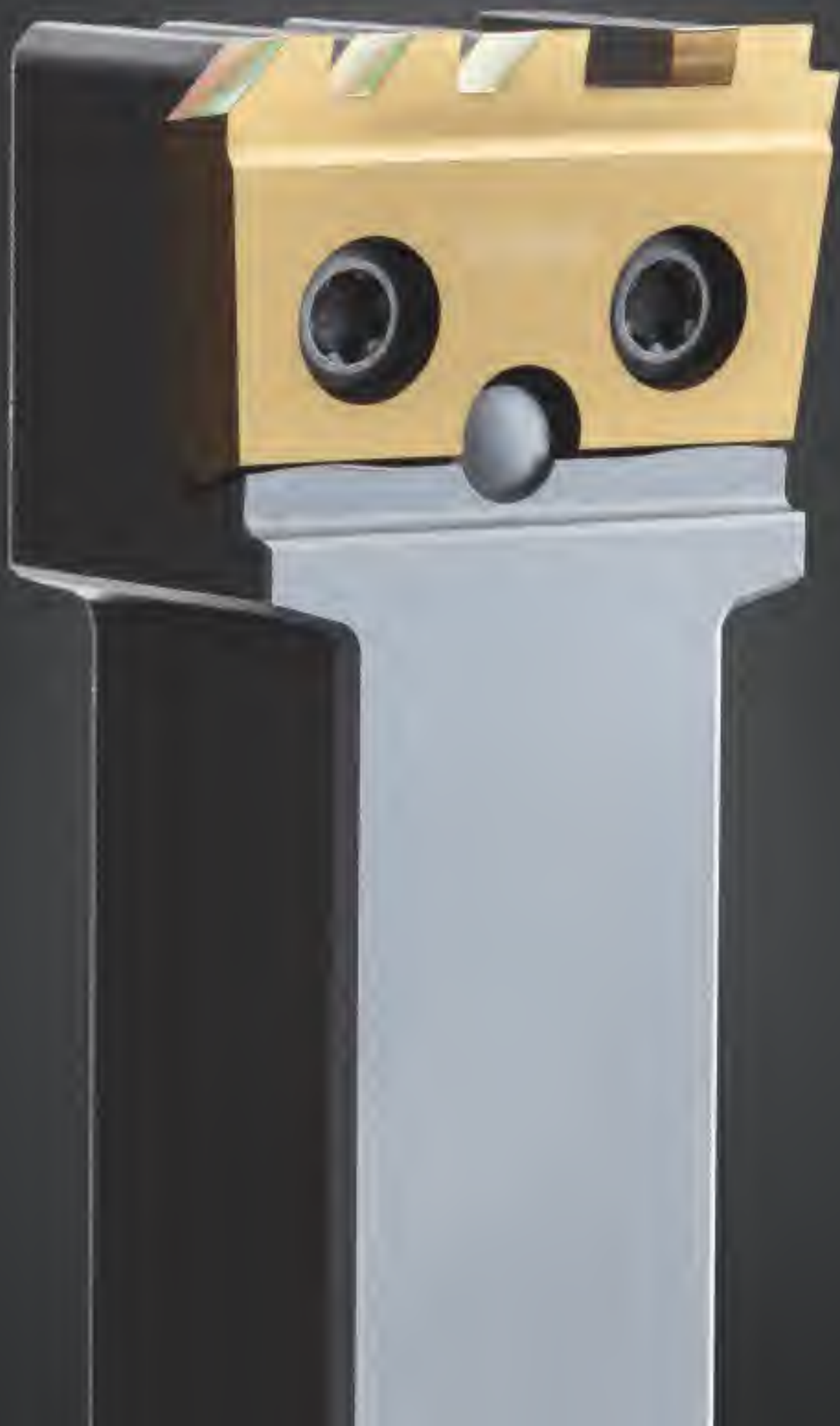
NEW

非标刀具 117系列

优化绿色生产,缩短交货周期

SPECIAL TOOLS SYSTEM 117

Faster delivery times due optimised Greenline Process



不同之处： 更多可能

THE DIFFERENCE: MORE POSSIBILITIES

- **8小时内提供报价**
Offer preparation within 48 hours
- **48小时内提供图纸确认**
Creation of the drawing for approval within 48 hours
- **图纸确认后,5个工作日后交货刀杆和刀片**
Delivery time for toolholders and inserts within 5 working days following the approval of the drawing

快速交货 S117 系统

HORN现在提供了在5个工作日内交付非标设计的选项，特别是S117系列。为此，HORN再次优化了现有的Greenline系统，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杆。它保证了刀杆对最复杂的仿形刀片的安装。在Greenline系统下，客户在提交询价及零件图后，会在两个工作日内收到报价及刀片和刀杆的简图。下单后，客户在48小时内收到图纸进行审批。经批准后，HORN将在5个工作日内交付专用工具。Greenline系统适用于数量3 - 20件的刀片和1 - 2个刀杆。

HORN提供的刀片宽度为10毫米，12毫米，16毫米，20毫米，26毫米，32毫米和45毫米，这些都是精密研磨到所需的特殊形状，以适应于应用。最大深度取决于切削宽度。刀具涂层是专门为每一种应用选择的，可用于材料组P, M, K和N。方柄夹持范围可在标准尺寸从10 x 10毫米到32 x 32毫米。

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 mm, 12 mm, 16 mm, 20 mm, 26 mm, 32 mm 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.

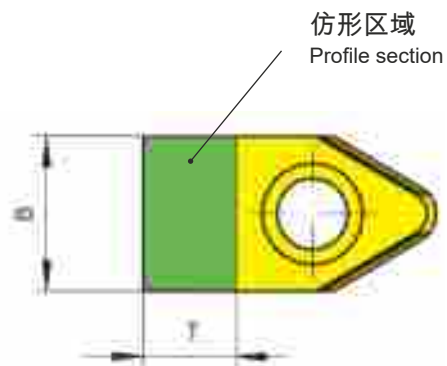
刀片选择

Selection of the insert



刀片使用一颗螺钉夹紧

Insert with one clamping screw

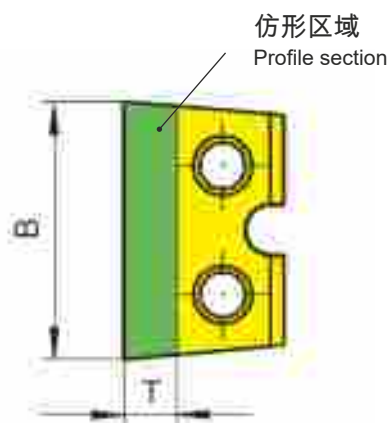


切削宽度 B Cutting width B	切削深度 T Cutting depth T	刀片类型 Type of insert
≤ 9.7	3.50	S117.0010.00
≤ 9.7	6.50	S117.0010.02.00
≤ 11.2	4.50	S117.0012.00
≤ 11.2	7.50	S117.0012.02.00
≤ 13.7	6.00	S117.0014.00
≤ 15.1	6.00	S117.0016.00
≤ 15.1	9.00	S117.0016.02.00
≤ 17.8	9.00	S117.0018.00
≤ 19.8	9.00	S117.0020.00
≤ 19.8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

尺寸单位: mm
Dimensions in mm

刀片使用两颗螺钉夹紧

Insert with two clamping screws

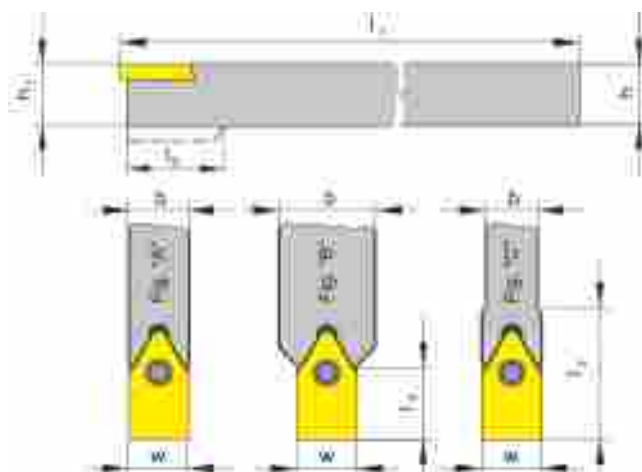


切削宽度 B Cutting width B	切削深度 T Cutting depth T	刀片类型 Type of insert
≤ 30.2	6.50	S117.0032.00
≤ 43.3	6.50	S117.0045.00

尺寸单位: mm
Dimensions in mm

刀杆选择

Selection of the toolholder



刀片类型 Type of insert	h	b	l ₁	Figur	l ₂	非标刀杆类似于 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

尺寸单位: mm
Dimensions in mm

优化的刀片支撑提供高稳定性

High stability afford to an optimised support of the insert.



请注意:

- 最小内圆弧: 0.05 mm
- 最小外圆弧: 0.04 mm
- 最小角度公差: $\pm 10'$
- 最小尺寸公差: ± 0.005 mm
- 最小轮廓误差: 0.01 mm

Please note:

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

可用刀片涂层.

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

