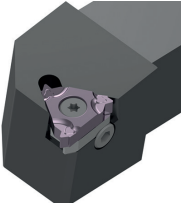
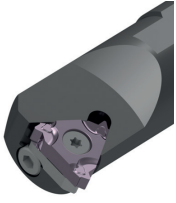









	EXTERNAL	INTERNAL
	B10	B23
	 SQUARE SHANK	 BORING BAR
Pressed type inserts	✓	✓
Ground type inserts*	✓	✓
Advanced material inserts	✓	✓
Available sizes	16 - 22	07 - 11 - 16 - 22
Right and left thread	✓	✓
Workpiece material	<b>P M K N S H</b>	<b>P M K N S H</b>
Full profile	M - UN - W - NPT - BSPT	M - UN - W - NPT - BSPT
Partial profile	55° - 60°	55° - 60°
<b>M</b> ISO Metric 	0.50 - 0.70 - 0.75 - 0.80 - 1.00 - 1.25 - 1.50 - 1.75 - 2.00 - 2.50 - 3.00 - 3.50 - 4.00 - 4.50 - 5.00 (mm)	0.50 - 0.75 - 1.00 - 1.25 - 1.50 - 1.75 - 2.00 - 2.50 - 3.00 - 3.50 - 4.00 - 4.50 - 5.00 (mm)
<b>W</b> Whitworth 	19 - 14 - 11 (TPI)	19 - 14 - 11 (TPI)
<b>UN</b> American unified 	24 - 20 - 18 - 16 - 14 - 12 - 08 (TPI)	24 - 20 - 18 - 16 - 14 - 12 - 08 (TPI)
<b>NPT</b> American tapered pipe 	18 - 11.5 - 14 (TPI)	18 - 11.5 - 14 (TPI)
<b>BSPT</b> British tapered pipe 	28 - 19 - 14 - 11 (TPI)	28 - 19 - 14 - 11 (TPI)
<b>60° partial profile</b> 	<b>A</b> 0.50 ÷ 1.50 (mm) / 48 ÷ 16 (TPI) <b>G</b> 1.75 ÷ 3.00 (mm) / 14 ÷ 8 (TPI) <b>AG</b> 0.50 ÷ 3.00 (mm) / 48 ÷ 8 (TPI) <b>N</b> 3.50 ÷ 5.00 (mm) / 7 ÷ 5 (TPI)	<b>A</b> 0.50 ÷ 1.50 (mm) / 48 ÷ 16 (TPI) <b>G</b> 1.75 ÷ 3.00 (mm) / 14 ÷ 8 (TPI) <b>AG</b> 0.50 ÷ 3.00 (mm) / 48 ÷ 8 (TPI) <b>N</b> 3.50 ÷ 5.00 (mm) / 7 ÷ 5 (TPI)
<b>55° partial profile</b> 	<b>A</b> 48 ÷ 16 (TPI) <b>G</b> 14 ÷ 8 (TPI) <b>AG</b> 48 ÷ 8 (TPI) <b>N</b> 7 ÷ 5 (TPI)	<b>A</b> 48 ÷ 16 (TPI) <b>G</b> 14 ÷ 8 (TPI) <b>AG</b> 48 ÷ 8 (TPI) <b>N</b> 7 ÷ 5 (TPI)
Holder sizes	square: 12 - 16 - 20 - 25 mm	cylindrical: 10 - 12 - 16 - 20 - 25 - 32 mm
Minimum entering hole	-	8 mm
Special features	holders without offset for swiss type machining	boring bar with VORTEX technology and internal coolant

\*Ground inserts can be tailored to cover virtually any thread type and pitch.