



Solid drilling and bore machining

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KOMET \ Performance

Premium quality tools for high performance.

The premium quality tools from the **KOMET Performance** product line have been designed for specific applications and are distinguished by their outstanding performance. If you make high demands on the performance of your production and want to achieve the very best results, we recommend the Premium tools in this product line.

KOMET \ Standard

Quality tools for standard applications.

The quality tools of the **KOMET Standard** product line are high quality, high performance, reliable and enjoy the highest level of trust among our customers worldwide. Tools from this product line are the first choice for many standard applications and guarantee optimal results.

Symbol explanation

Shank


- C** Cylindrical shank with clamping flat
Guarantees optimum clamping of the tool and can be clamped in every standard adapter
- K** Drill with combi shank
This drill shank has two clamping flats (DIN 6535HE, DIN 6595) that guarantee pull-out protection and good face contact of the drill. Both Weldon and Whistle Notch adapters can be used.
- ABS** Drill with ABS connection
The ABS connection from Komet is a modular coupling system for rotating tools and stationary tools, and offers a number of advantages, such as improved force transmission
- PSC** Drill with polygonal shank
The polygonal shank offers the best rigidity during the transmission of force from the drill to the adapter. The tapered polygonal shape easily absorbs torsional forces and bending forces

Version



Drill with thro' coolant supply
The tried-and-tested thro' coolant system guarantees a reduction in heat at the cutting edges of the tool as well as improved chip removal



Designation	Pages
Adjuster with ABS connection 	38

i Adapters can be found in → **Chapter 16 Adapters.**

Application tips – eccentric sleeves

Users of rotating tools can now enjoy greater flexibility.

Using the eccentric sleeves, you can vary and adjust the diameter of the hole by +/- 0.3 mm with ease.

Two types of eccentric sleeve are available:

One for use with the new indexable insert drill adapter and one for use with the existing Weldon adapter.

The difference lies solely in the design and position of the slots for the adapter's clamping screws.

There are four sizes per type, which are tailored to the shank diameter.



Eccentric sleeve for indexable insert drill adapter



Eccentric sleeve for Weldon adapter

Designation		Pages
Eccentric sleeves for indexable insert drill adapters		37
Eccentric sleeves for Weldon adapters		37



Toolfinder

● = Main Application
○ = Extended application
- = Not possible

	Boring depth	Drilling through a transverse hole	Stack plate drilling	Drilling on uneven surfaces	Drilling	Spot drilling an edge	Spot drilling a convex surface	Spot drilling angled surfaces	Spot drilling a pointed contour	Chain drilling	Drilling through a centre or pre-op
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KUB Pentron

The specialist for large hole depths



- ▲ The all-rounder for process-secure drilling under a wide variety of conditions
- ▲ Ideal for extreme machining situations

2xD	●	●	●	○	●	●	●	●	●	●	●
3xD	●	●	●	○	●	●	●	●	●	●	●
4xD	●	○	○	-	●	●	●	●	○	○	●
5xD	●	○	○	-	●	○	●	○	-	○	○
3xD	●	●	●	○	●	●	●	●	●	●	●
4xD	●	○	○	-	●	●	●	●	○	○	●
5xD	●	○	○	-	●	○	●	○	-	○	○
3xD	●	●	●	○	●	●	●	●	●	●	●

MaxiDrill 900

The specialist for high productivity in rough machining



- ▲ Provides perfect drilling quality even under enormous loads
- ▲ Ideal for large drilling depths: The high feed rates increase productivity
- ▲ For stable machining situations

2xD	●	●	●	○	●	●	●	●	○	●
3xD	●	●	●	○	●	●	●	●	○	●
4xD	●	○	○	○	●	●	●	●	○	●
5xD	●	○	○	○	●	●	●	●	○	●

KUB 100

Ideal for robust machining situations



- ▲ The high performance all-rounder for outstanding productivity and reliability
- ▲ Offers consistent hole quality and a constant diameter across all materials and feed rates

3xD	●	●	●	○	●	●	●	●	●	●
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KUB Trigon

The solution for unstable conditions and high accuracy



- ▲ Ideal for machining under unstable conditions
- ▲ Well-suited to machining on less powerful machines
- ▲ The first choice for creating dimensionally accurate holes

2xD	●	-	●	○	○	●	●	○	●	○
3xD	○	-	○	○	○	○	○	○	○	○
4xD	○	-	○	-	-	○	○	-	○	○
2xD	●	-	●	○	○	●	●	○	●	○
3xD	○	-	○	○	○	○	○	○	○	○
4xD	○	-	○	-	-	○	○	-	○	○


























MaxiDrill Classic


The drilling tool for universal application



- ▲ Ideal for use on machines with limited power
- ▲ Suitable for use under unstable conditions

2xD	●	-	●	-	-	○	○	-	-	●
3xD	●	-	●	-	-	○	○	-	-	●
4xD	●	-	●	-	-	○	○	-	-	●

Shank	Diameter ∅	KOMET \ Performance		Insert type	No. of cutting edges	Grade	Material compatibility					KOMET \ Performance	
		KOMET	Performance				Steel	Stainless steel	Cast iron	Non ferrous metals	Heat resistant alloys		Hardened materials
Pages													
C	14-46	6+7			SOGX	4	-01 BK6115	●	●	●	○	○	19
C	14-46	8+9			SOGX	4	-01 BK8425	●	●	●	○	○	19
C	14-46	10+11			SOGX	4	-01 BK7935	●	●	○	○	○	
ABS	14-30	14			SOGX	4	-01 BK7710	●	●	○	○	○	
ABS	14-30	15			SOGX	4	-01 BK6425	●	●	○	○	○	
PSC	14-30	17+18											
Pages													
C	12-63	20+21			SONT	2 / 4	-M30 CTCP420	●	○	●	○	○	28
C	12-63	22+23					-M30 DCX1420						
C	12-54	24+25			SONT	2 / 4	-M30 CTPP430	●	●	○	○	○	28
C	12-41	26					-M30 CCN1430						
Pages													
C	14-27	27			SONT	2 / 4	-M30 CTCP420	●	○	●	○	○	28
							-M30 DCX1420						
					SONT	2 / 4	-M30 CTPP430	●	●	○	○	○	28
							-M30 CCN1430						
Pages													
K	14-44	29			WOEX	3	-01 BK8425	●	●	●	○	○	35
K	14-44	30			WOEX	3	-03 BK8425	●	●	●	○	○	35
K	14-35	31			WOEX	3	-13 BK8425	●	●	●	○	○	35
ABS	14-44	32			WOEX	3	-01 BK6115	●	●	○	○	○	35
ABS	14-44	33			WOEX	3	-01 BK7935	●	●	○	○	○	
ABS	14-44	34			WOEX	3	-01 BK62	●	●	○	○	○	
					WOEX	3	-11 BK77	●	●	○	○	○	
Pages													
C	14-53												
C	14-50												
C	18-50												

 MaxiDrill Classic and specialised indexable inserts can be found in our online shop at cuttingtools.ceratizit.com