



SEMI-STANDARD TOOLS

Custom-made tools?

We deliver them to you in less than three weeks!

TEAM CUTTING TOOLS



KOMET



klenk

CERATIZIT is a high-technology engineering group specialised in cutting tools and hard material solutions.

Tooling a Sustainable Future

www.ceratizit.com



SEMI-STANDARD TOOLS

**Do you want to be able to make reliable plans, even when the heat is on?
Why not use semi-standard tools from the CERATIZIT group?**

For us, semi-standard means more than just adapting a standard product. It means providing you with tool solutions that are individually adapted to your machining tasks based on the information provided on an enquiry form. The dimensions available here can be found in the table of the portfolio description on the right.

We quote solid carbide tools in two days and indexable insert drilling tools in four days, incl. release drawings. We deliver to you within just 15 working days of receiving your order.

Your benefits:

- ▲ Fewer individual tools reduce non-machining time and save space in the tool magazine
- ▲ The delivery time of max. 15 working days after receipt of order and technical release reduces your tool WIP and warehousing costs
- ▲ Quotes created within 48 hours for solid carbide tools or four working days for indexable insert drilling tools speed up your decision-making processes
- ▲ Combined machining improves quality thanks to single tool clamping
- ▲ Experienced experts in the field and in the office enable you to make additional savings

To a new level of efficiency!



We are developing our most efficient machining solution

for your production in drilling, reaming, milling and thread milling

	Solid carbide Drilling	Solid carbide Reaming	Solid carbide Milling	Solid carbide Thread milling	Indexable inserts Solid drilling and boring
Batch size	Min. 3 – 100 pieces	Min. 3 – 100 pieces	Min. 3 – 100 pieces	Min. 3 pieces	Min. 1 piece
Diameter	Ø > 3 mm up to Ø 32 mm	Ø > 3 mm up to Ø 32 mm	Ø > 3 mm up to Ø 32 mm	M / MF M4 up to M24	With WOEX solid drill Ø 14 – 54 mm With SOEX, SOGX solid drill Ø 14 – 44 mm Core drill Ø 14 – 65 mm
Length	up to 360 mm*	up to 360 mm*	up to 360 mm	up to 160 mm	With WOEX – L/D up to 4xD With SOEX, SOGX – L/D up to 3xD
Effective length	Max. 15xD	Max. 15xD	Max. 7xD	Max. 3xD	
Coating**	Application-specific	Application-specific	Application-specific	Application-specific	Indexable inserts: Solid drilling: WOEX, SOEX, SOGX Boring: WOEX, SOEX, SOGX, TOHX, TOGX, ISO
Adapter/shank	Ø 4 – 32 mm	Ø 4 – 32 mm	Ø 4 – 32 mm	Ø 6 – 20 mm	Ø 20, 25, 32 mm / ABS 50, ABS 63 / HSK-A 63 / PSC 50, PSC 63
Coolant supply	Internal or external	Internal or external	External	Internal or external	Internal or external
Number of steps	Up to 5 steps	Precounterboring step + max. two Ø steps	Up to 2 steps	Up to 1 countersinking step	Up to 7 indexable insert seats

* Maximum effective and total lengths are not fully variable. They depend on the shaft diameter.

** Application-specific coating for steel, stainless steel, cast iron, hard materials, titanium, Inconel (aluminum uncoated)



Simply fill in the form:

On our homepage, cuttingtools.ceratizit.com you will find forms for defining your semi-standard tools.

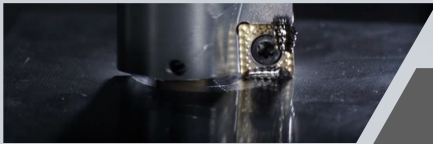
Send the filled-in form to global.techsupport@ceratizit.com or speak to your sales engineer.

UNITED. EXPERIENCED. METAL CUTTING.



**SPECIALIST FOR INDEXABLE INSERT TOOLS
FOR TURNING, MILLING AND GROOVING**

The product brand CERATIZIT stands for high-quality indexable insert tools. The products are characterized by their high quality and contain the DNA of many years of experience in the development and production of carbide tools.



**THE QUALITY LABEL FOR
EFFICIENT BORE PRODUCTION**

High-precision drilling, reaming, countersinking and boring is a matter of expertise: efficient tooling solutions for drilling and mechatronic tools are therefore part of the KOMET brand name.



**EXPERTS FOR ROTATING TOOLS,
TOOL HOLDERS AND CLAMPING SOLUTIONS**

WNT is synonymous with product diversity: solid carbide and HSS rotating tools, tool holders and efficient workholding solutions are all part of this brand.



**CUTTING TOOLS
FOR THE AEROSPACE INDUSTRY**

Solid carbide drills specially developed for the aerospace industry bear the product name KLENK. The highly specialised products are specifically designed for machining lightweight materials.