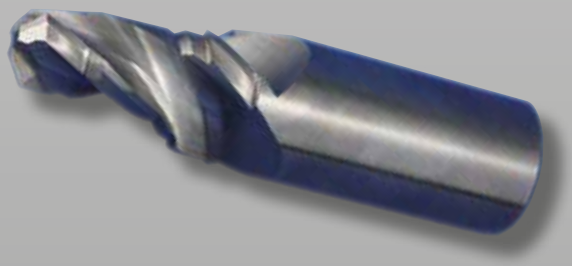
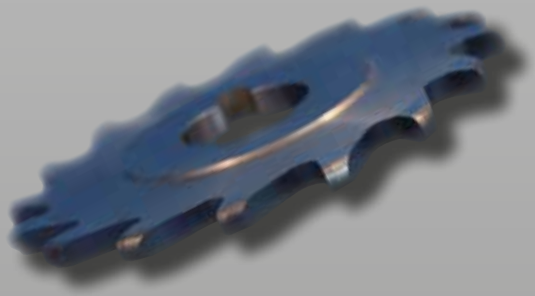
JONGEN UNI-MILL

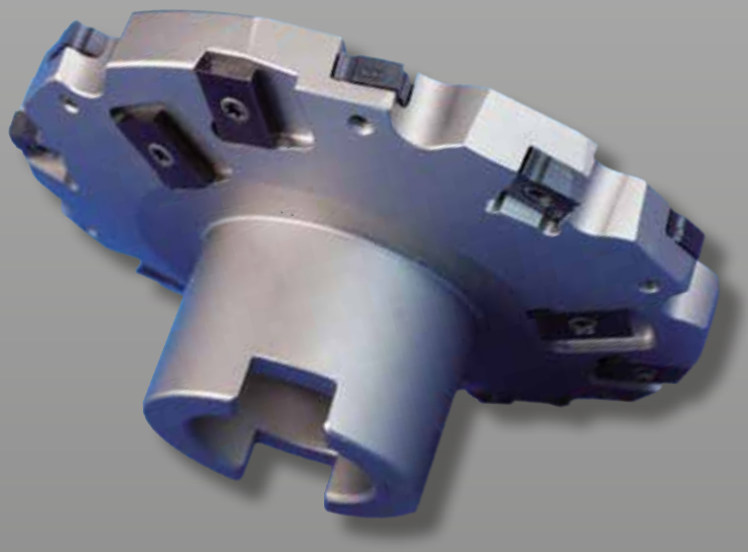
RAPID-LINE











Products from Willich → North-Rhine Westphalia → Germany → Europe for Europe and the

Jongen Rapid-Line Special Tools

Within the product group „Rapid-Line“, Jongen Werkzeugtechnik GmbH produces special milling tools and inserts as well as special solid-carbide cutters.

Jongen’s engineering and production departments are equipped up to the latest standards which allow focusing not only on the quality of the tools but also on their delivery terms in order to meet the market requirements. New standards have been set starting with the quote processing up to the delivery terms.

Within the product range of special milling cutters, we may produce the tools – depending on the tool type – up to Ø600mm. As far as possible, we offer inserts from the Jongen UNI-MILL standard programme, but, if required, suitable special-inserts can be also produced.

Referring to the product range of special inserts, we offer almost all required types and shapes made of Jongen’s known carbide qualities and, of course, according to our common technologically advanced level. Surely, any optimisations of standard inserts are possible to meet your requirements and demands.

Within the product range of special solid-carbide cutters, there is an opportunity on the one hand to produce the tools similar to our standard products adapted to your milling purpose and on the other hand - individual tools such as profile cutters, stepped tools, boring tools etc. made of solid-carbide bars like pre-forms.

Please send your enquiries for milling cutters and inserts to:
TWZ-Anfrage@jongen.de

Please send your enquiries for end mills to:
VHM-Anfrage@jongen.de

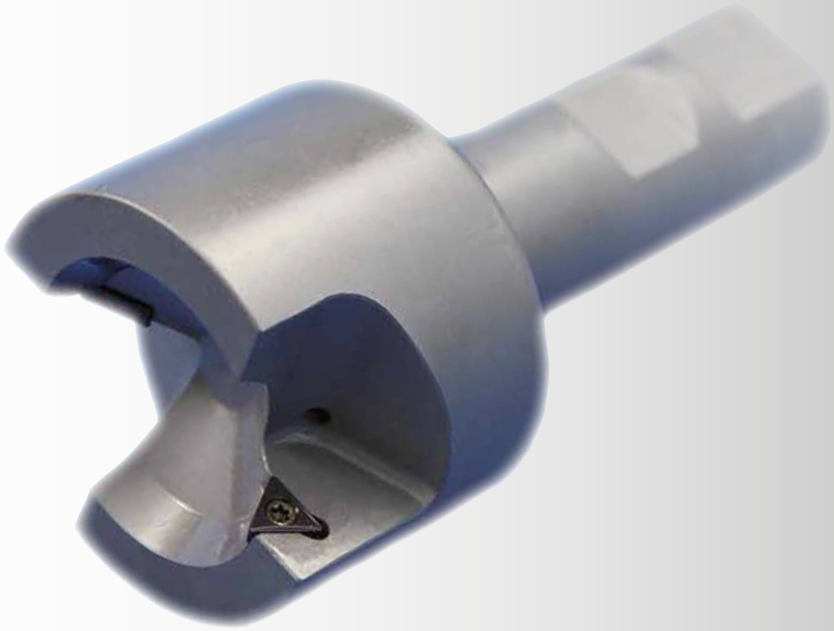
Examples of enquiry-forms for special tools are to be found on page 22 & 23 as well as at our website **www.jongen.de** (download area “technics”)

We present you on the following pages a range of special tools, which we have already designed for our customers.

Chamfering milling cutter

Special milling tool for milling insert type JMB10-84...
Application area: chamfering of outer diameter (bar material)

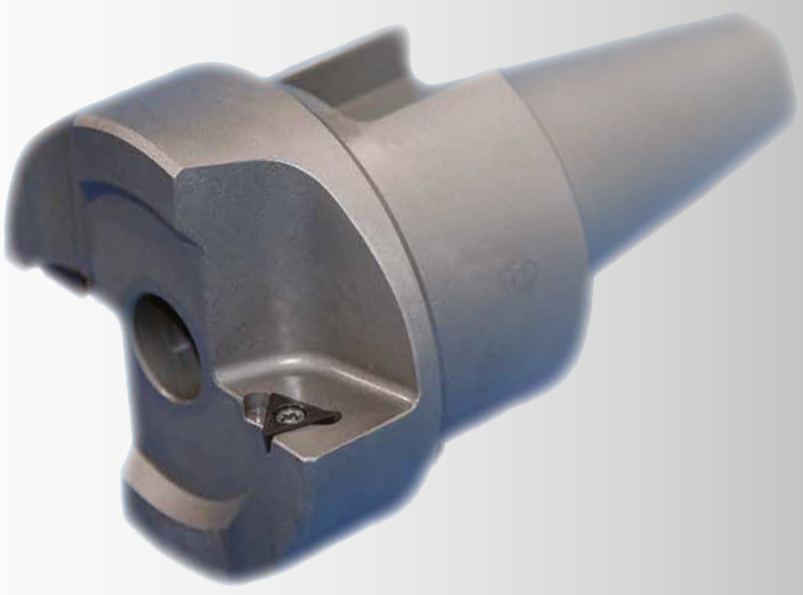




Chamfering milling cutter

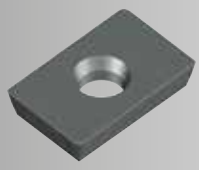
Special milling tool for milling insert type JMB10-84...
Application area: chamfering and spot facing of round components





Milling cutter for inclined surfaces

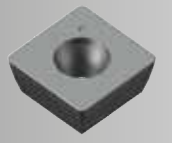
Special milling cutter for milling insert type JMB06-42...
Application area: processing of welds

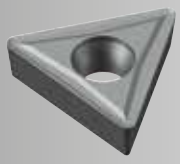




Construction milling cutter

Special milling tool for milling insert type JMB12-348... and JML01-282...





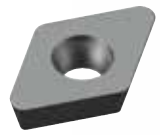


Spindle-chamfering milling cutter

Special milling cutter for milling insert type JMB14-423... and JMB10-284...

Adaption ABS 50-K

Application area: spindle processing of outer diameter and chamfering

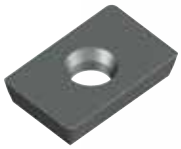




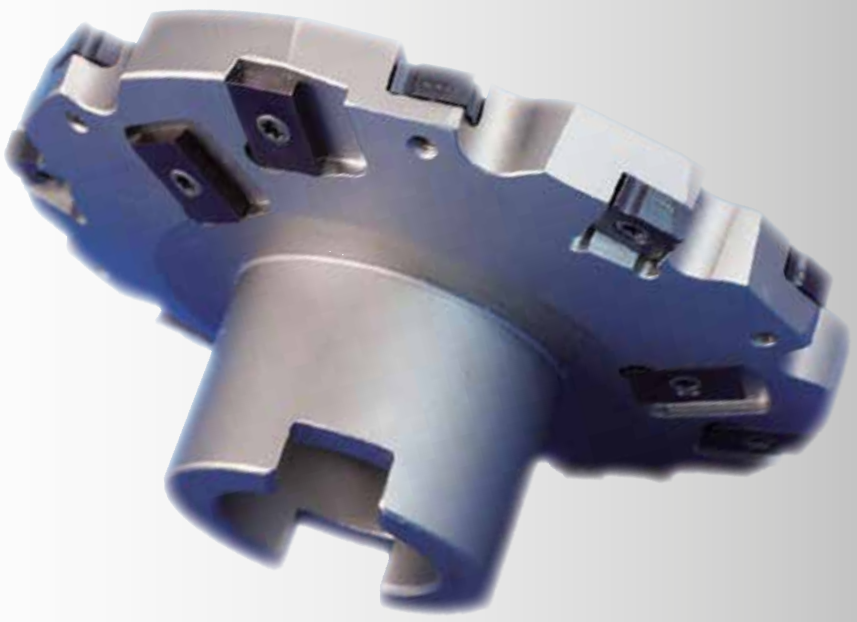


Side milling cutter

Special milling cutter for milling insert type FP 3377, JMS01 -94... R/L, JMB06-42...
Application area: processing of mold grooves

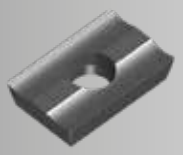


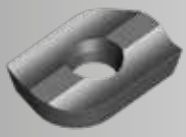




Profile milling cutter

Special milling cutter for milling insert type JMB06-42... with an extra large chip hollow
Application area: processing of mold grooves

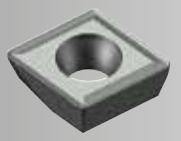


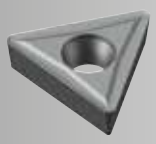


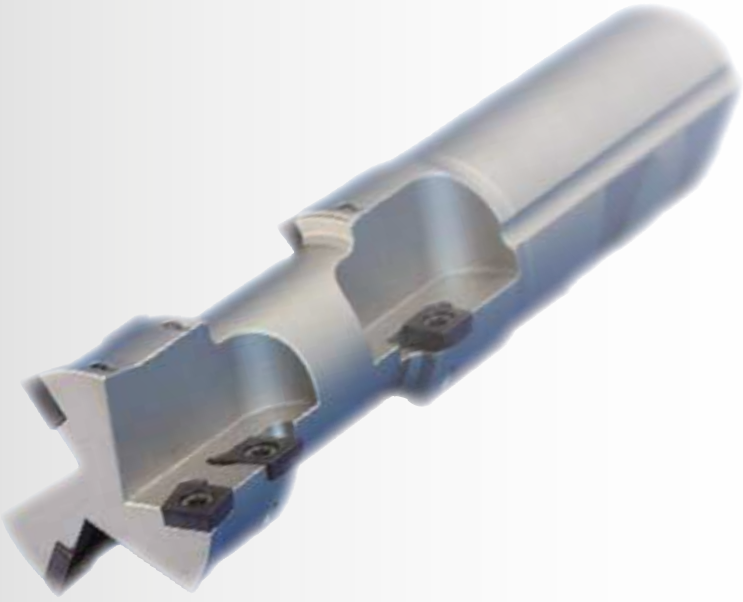


Profile milling cutter

Special milling cutter for milling insert type JMB09-65... and JML01-82...
Application area: pre-boring, helix milling by forward and backward motion







Profile milling cutter

Special milling cutter with cassettes for milling insert type JMB09-65... and JMB10-84...
Application area: pre-boring, spot-facing and chamfering

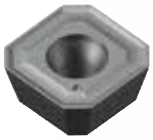






Slot milling cutter

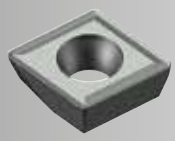
Special milling cutter for milling insert type JMA09-329...
Application area: processing of slot with simultaneous face milling

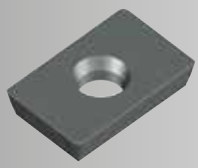


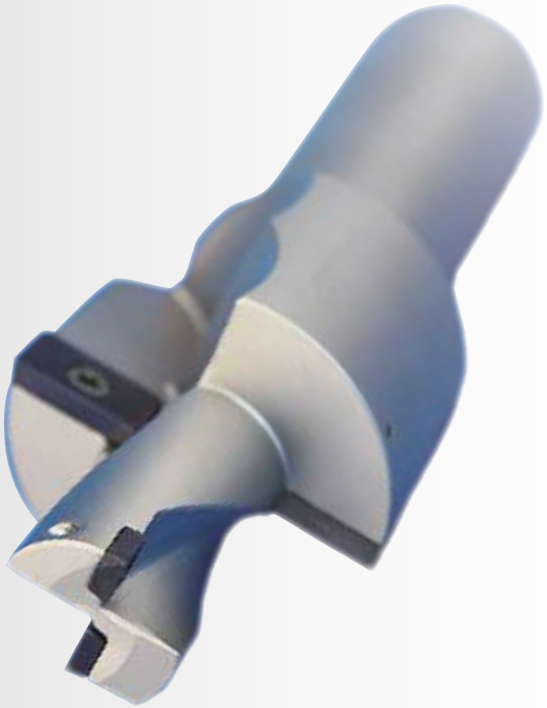


Profile milling cutter

Special milling cutter for milling insert type JMB09-65... and JMB06-42...
Application area: pre-boring and face milling

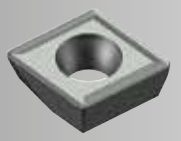


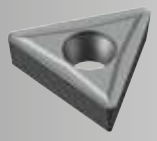




Stepped drilling tool

Special milling tool with cassettes for milling insert type JMB09-65... and JMB10-84...
Application area: pre-drilling at different steps









Profile milling cutter

Special milling cutter for milling insert type JMB01-227 and special inserts
Application area: processing of special forms



Spherical milling cutter

Special milling cutter in roughing and finishing version
Application area: processing of full slot milling



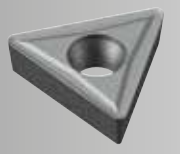
Profile milling cutter

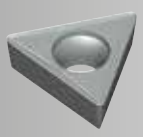
Special tool with special inserts
Application area: processing of special forms

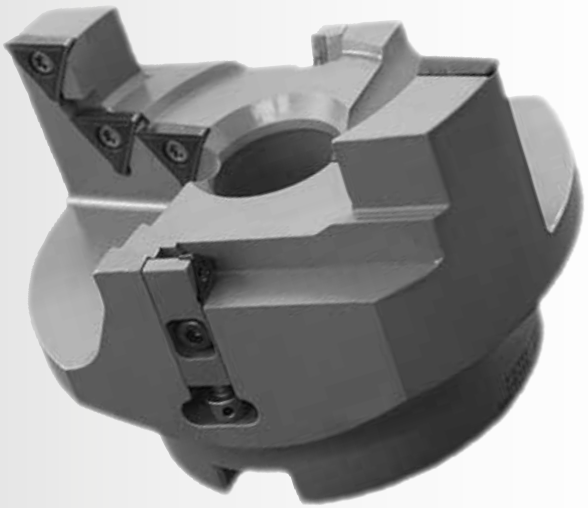


Stepped milling cutter

Special tool with cassette for insert type JMB09-65... and JMB10-84...
Application area: pre-boring and chamfering







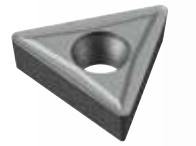
Profile milling cutter

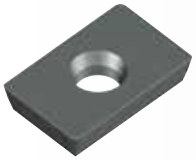
Special tool with special inserts
Application area: processing of full slot milling



Profile milling cutter

Special tools for insert type JML01-82... and JMB06-42...
Application area: spindle processing of outer diameter and chamfering

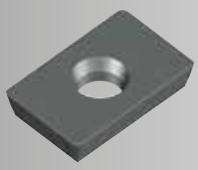


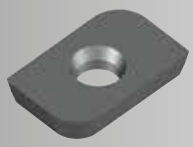




Profile milling cutter

Special tool for insert type JMB06-42...
Application area: processing of connecting flanges

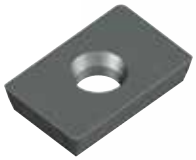






Profile milling cutter

Special tool for insert type JMB06-42...
Application area: processing of connecting flanges







Profile end mill - VHM

Profile milling cutter with concave full radiuses
Application area: metal sheets deburring



Full radiuses - side milling cutter VHM

Holders made to DIN 138
Application area: slot milling with full radius on the base of the grove



Special side-milling cutter

Special side-milling cutter with lateral chip breakers and full radius at the circumference
Conical outflows
Coupling made to DIN138



Profile end mill VHM

Form slitting cutter
Application area: processing of full slot milling



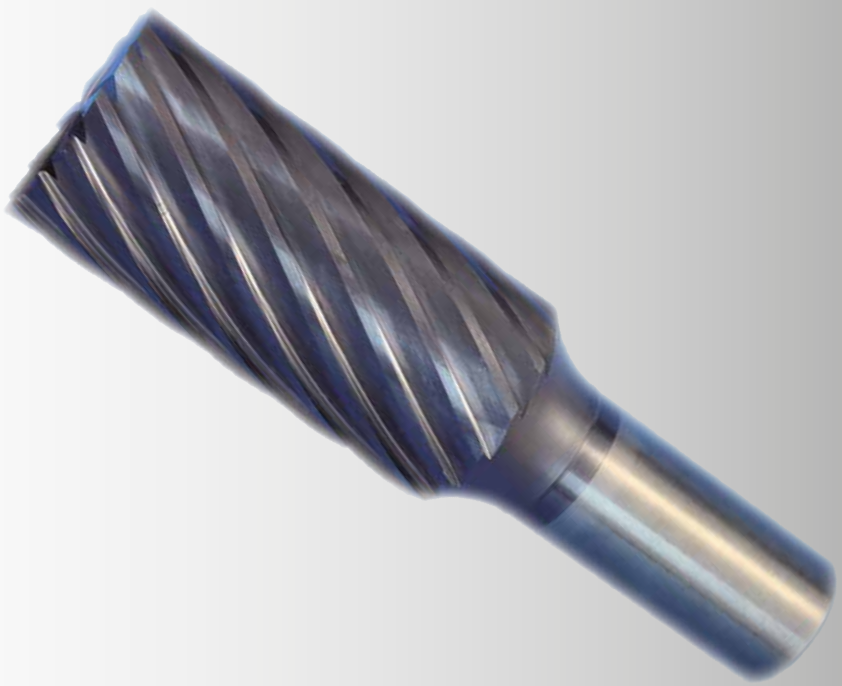
Profile milling cutter

Profile milling cutter with split contour
For processing of contour without inner radius



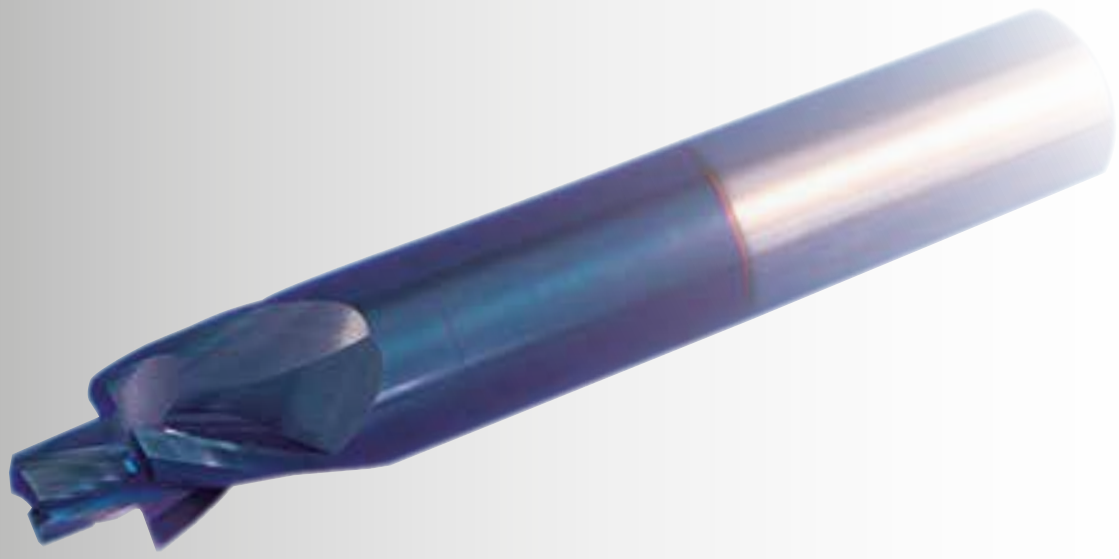
Special end mill - VHM

Finishing cutter
Shank diameter 25 h6 mm
Head diameter ø 50 mm



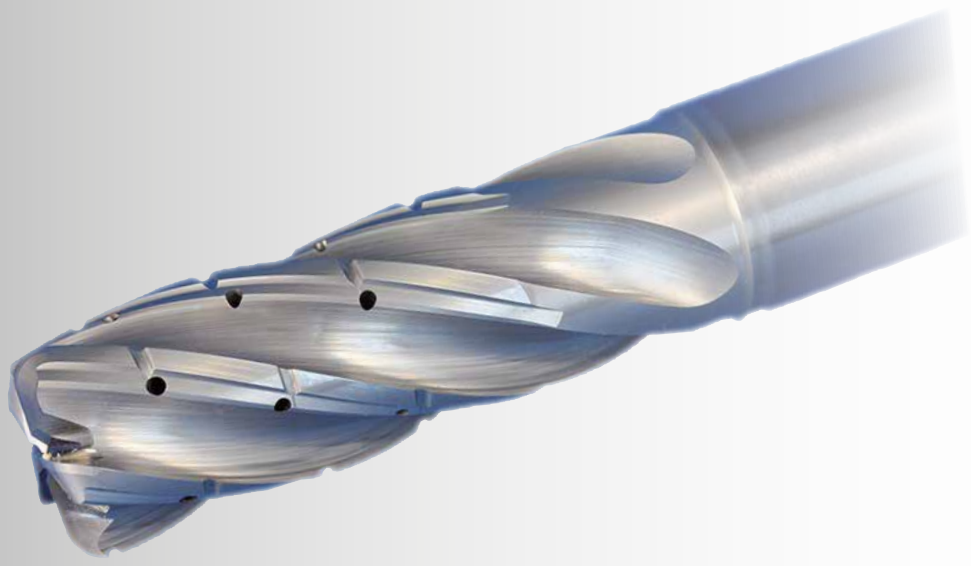
Profile milling cutter - VHM

90° stepped milling cutter with flat shaped

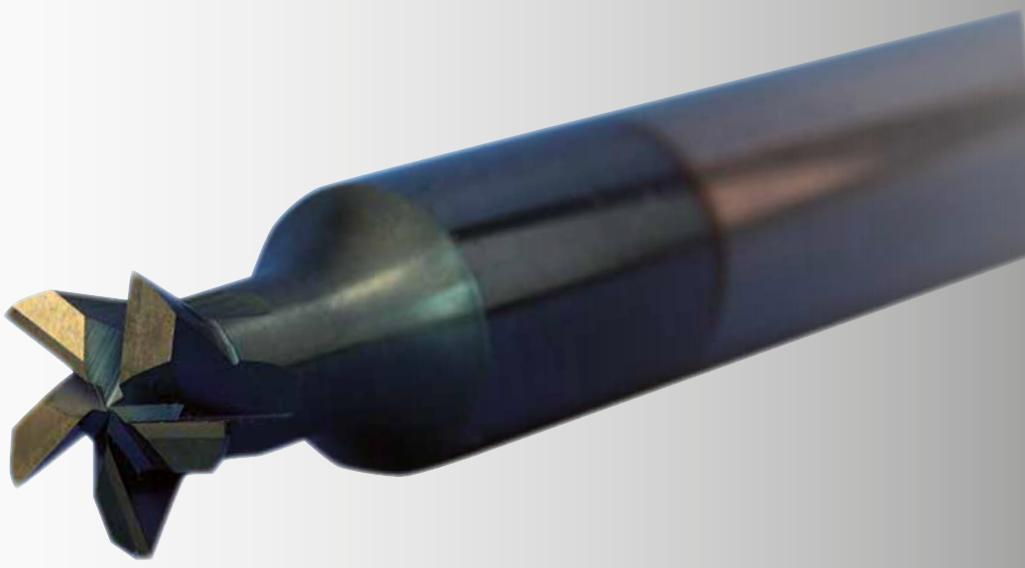


Profile milling cutter with internal coolant

Designed with smooth cutting edge and chip breaker
Front surface designed with edge radiuses
Internal coolant with lateral outlet bores at 3 levels



Dovetail milling cutter



Profile milling cutter

Profile milling cutter with contour determined by customer



Profile milling cutter

Profile milling cutter with contour determined by customer



Step drill

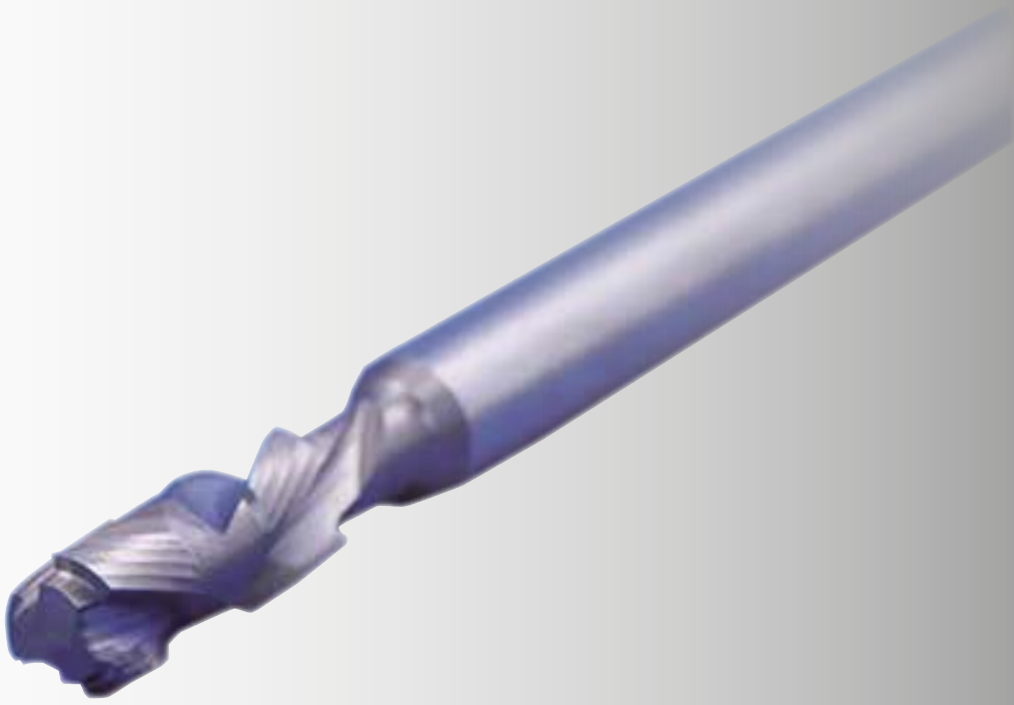


Slitting cutter



Profile milling cutter

Forward /reverse milling cutter
Burless milling



Special end mill type dropp-in heads (small-sized)

Form according to customer requirements
Secured by central screw and keyways
Holder with internal coolant



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E-Mail: export@jongen.de



02/2025