



It couldn't be easier
**Ordering via the
Online Shop**
<http://cuttingtools.ceratzit.com>



Competent advice also available on call
**Application engineers
with know-how**
Monday to Friday from 8:00 am – 6:00 pm
Freephone Number: 0800 073 2075
Email: techsupport.uk@ceratzit.com



Placing your order is quick and easy
Customer Service Centre
Freephone Number: 0800 073 2073
Email: info.uk@ceratzit.com

NEW Catalogue 2024

The new cutting tools
catalogue from CERATIZIT
available from July 2024

The e-catalogue



cutting.tools/gb/en/e-shelf



SPECIAL SELECTION

VALID: 01.06.2024 – 31.08.2024

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

Tooling a Sustainable Future

ceratzit.com



CERATIZIT
GROUP



JUST OUR THING

An extensive selection of high-quality products.

Precision machining with high-quality tools

Our tools promise to deliver quality, precision and process-security. More than 65,000 different items make up the largest range of cutting tools in the world. As a result you stand to benefit from longer service lives, increased process security and an enormous potential for cost savings. And above all: the right tool for every application.





With CERATIZIT you could deliver the job before other suppliers have delivered the tool!

With **CERATIZIT**, delivery from our UK stock is **free** and **guaranteed before 12 noon next day***. In fact we're so confident, that if we don't deliver by 12 noon next day, we'll give you a £10 credit on your account. We carry over 8,500 metal cutting tools ex-stock in our UK logistic centre all for same day dispatch, whenever you see the  Logo you can rely on next day before 12 noon delivery.

**At CERATIZIT we deliver the tools fast
so you can deliver the job first!**

Sustainability is part of your agenda?

We help you along the way:

- ▲ **CERATIZIT Packaging**
Recycled plastic protects high-quality tools and the environment
- ▲ **CERATIZIT Recycling**
for only Vending Customers
- ▲ **CERATIZIT ReStart**
Our regrinding service for cutting tools

Contact us today!

Discover more about our commitment to sustainability on our website

cutting.tools/gb/en/sustainability



cutting.tools/en/e-shelf

The e-catalogue

This catalogue contains our unique range of tools on the market. Our Toolfinder, located at the beginning of every tool chapter, helps you quickly find the ideal tool, setting you on the right course to increased efficiency in machining.

The catalogue for clamping technology

It has already proven itself time and time again in your production workshops – our division of catalogues into cutting tools and clamping technology (tool and workpiece clamping). For this reason, we are once again offering you the option to select the tool and suitable clamping device at the same time without searching through the entire catalogue.





TABLE OF CONTENTS

	Customer Case Study	
	Page 6+7	
	SPECIAL OFFERS	
	Page 8	
	HSS drilling	
	Page 10+11	Further tools can be found in the main catalogue, chapter 1
	Solid carbide drilling	
	Page 13–23	Further tools can be found in the main catalogue, chapter 2
	Indexable insert drills	
	Page 25–28	Further tools can be found in the main catalogue, chapter 3
	Reaming	
	Page 30+31	Further tools can be found in the main catalogue, chapter 4
	HSS Taps	
	Page 33	Further tools can be found in the main catalogue, chapter 6
	Thread milling cutters	
	Page 35	Further tools can be found in the main catalogue, chapter 7
	Thread turning	
	Page 37	Further tools can be found in the main catalogue, chapter 8

	Turning Tools	
	Page 39–45	Further tools can be found in the main catalogue, chapter 9
	EcoCut	
	Page 47	Further tools can be found in the main catalogue, chapter 10
	Grooving Tools	
	Page 49+50	Further tools can be found in the main catalogue, chapter 11
	Miniature turning tools	
	Page 52–54	Further tools can be found in the main catalogue, chapter 12
	Solid Carbide milling cutters	
	Page 56–69	Further tools can be found in the main catalogue, chapter 14
	Milling tools with indexable inserts	
	Page 71–79	Further tools can be found in the main catalogue, chapter 15
	Rotating toolholders	
	Page 81–87	Further tools can be found in the Catalogue – Clamping technology, chapter 16
	Toolholders, static + driven tools	
	Page 88–92	Further tools can be found in the Catalogue – Clamping technology, chapter 16
	CentriClamp – ZSG 4	
	Page 93	Further tools can be found in the Catalogue – Clamping technology, chapter 17

Colour code information

P	Steel
M	Stainless steel
K	Cast iron
N	Non-ferrous metals
S	Heat-resistant
H	Tempered steel
O	Non metal materials

SEE THE NEW SPECIAL SELECTION E-CATALOGUE

Download your e-Catalogue here

cts.ceratzit.com/gb/en/specialselection06-24



BASED IN ROCHDALE, GREATER MANCHESTER, VOLZ ENGINEERING IS A SUB-CONTRACT MACHINING COMPANY WHICH SERVICES THE AUTOMOTIVE, AEROSPACE AND AGRICULTURAL INDUSTRIES. WITH 6 CNC MACHINES RUNNING 18 HOURS A DAY, VOLZ SENDS OUT MORE THAN 500 PARTS A WEEK AND THERE IS NO SIGN OF THIS ENGINEERING FIRM SLOWING DOWN THE PACE ANYTIME SOON!

Volz, as it is today, began its journey just over three years ago by Managing Director, Alan Reeson. What started as a manufacturing company, Volz gained its reputation by making highly precise parts to exact specifications. Eventually expanding their services to also include engineering design, Volz now oversee every step of the manufacturing process: from idea, to design, to finished product.

Having worked with CERATIZIT UK & Ireland Ltd. prior to Volz, James Alletson, Operations Manager at Volz Engineering, was keen to have CERATIZIT involved in Volz's manufacturing processes. Regularly visited by Technical Sales Engineer, Matt Darbyshire, and Application Sales Engineer, Stuart Brooks, the engineers at Volz approach both CERATIZIT engineers with technical queries and tooling advice. Always looking to further optimize machine processes as tooling and cutting tool technology advances, the CERATIZIT engineers recommend tooling on a company-to-company basis, considering the best interests of each business above all else.

For Volz, a standout example of a tooling recommendation which had the greatest impact was for a bespoke step drill. Required for a job where one hole needed to be drilled, but with different diameters at different depths, Volz has previously been using multiple inserts to complete this job. Swapping tools throughout the process, however, meant that the overall reliability and accuracy of the finished product was reduced, and made it difficult for Volz to achieve the critical tolerance of 0.02mm. The machine process, with the necessary changes to tooling, took a total of 26 minutes. This is where Matt Darbyshire identified an opportunity to optimize this process for Volz.

Purposefully created to fulfil Volz's exact specifications and needs, CERATIZIT designed and manufactured a totally unique step drill. After installing the drill, there were instant positive implications from switching to the step drill. The total machine process had been reduced by more than 50%, taking the time needed to drill each part to just over 10 minutes. Moreover, the step drill allowed for just one machine process to achieve the different diameters needed. So, with no machine changes or tooling swaps needed, the overall accuracy of the final products increased, allowing Volz to easily achieve the precision they required.

James Alletson commended that 'the step drill was a game changer for us. Not only did the time taken to machine each part dramatically decrease, but with no machine interruptions we could achieve a greater level of precision. Since having the step drill delivered, we haven't had to replace the tool yet, despite the 500 parts a week it is drilling!'

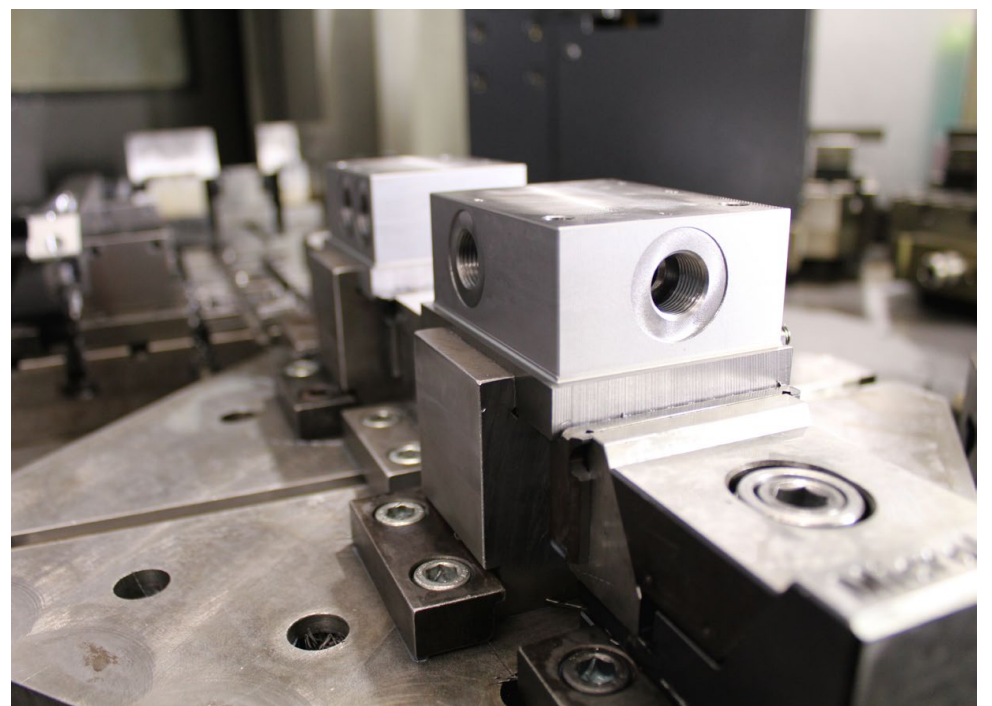
Impressed by the initial results of CERATIZIT tooling, Volz began to switch more tooling out for CERATIZIT's products. With an increased demand for CERATIZIT tooling, a vending machine was installed on their shop floor 18 months ago and the company has continued to be impressed by the results ever since.

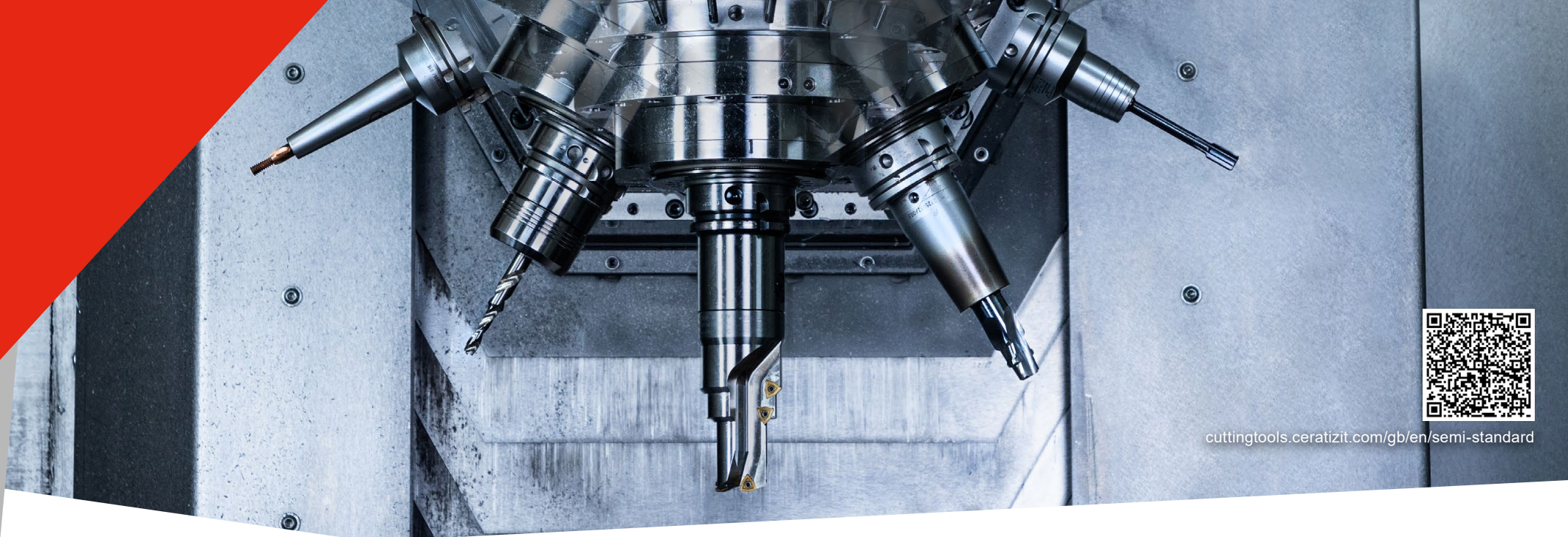
For Alan Reeson, Managing Director of Volz Engineering, 'the vending machine not only means that we are never in a situation where we have to stop running machines due to lack of tooling, but it also makes it easier for us to keep track of spending. The transparency of costs through the vending machine means that exact cost of jobs are really easy to calculate, and it means that we can see just how many tools we're using per machine.'

As well as having the machine regularly serviced and restocked, Volz have 24/7 access to technical support and advice. Regularly picking up the phone to Matt outside of his visits to Volz, the engineers have built a solid rapport with CERATIZIT that continues to benefit company.

Matt commented, 'I've worked with Volz for a while now, and with James for even longer, so I've gotten to know the company and their processes really well. Having such a good working relationship with a company is important as transparency and honesty means that I can make better tooling recommendations for them. The step drill was an example where this communication and great professional relationship really helped create something extremely beneficial for the company.'

With a professional relationship that continues to grow, engineers at Volz look optimistically toward the future. Aiming to expand their repertoire of what they can offer, Volz have their sights set on achieving more aerospace certifications and accreditations which would allow them to manufacture flying parts for aircraft. Hopefully expanding the whole operation to an additional site, Alan Reeson has big plans for the company and the engineers that continue to serve the precision engineering industry well.





cuttingtools.ceratzit.com/gb/en/semi-standard

WE DELIVER CUSTOM-MADE SEMI-STANDARD TOOLS

Do you want to be able to make reliable plans, even when the heat is on?

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.

If you decide on our custom-made semi-standard tools, you will benefit from the following advantages:

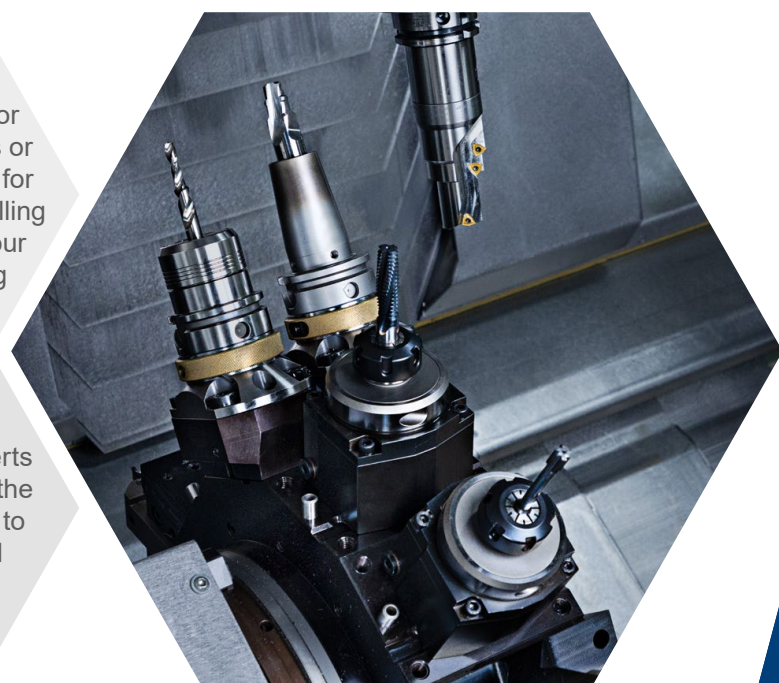
Fewer individual tools reduce non-machining time and save space in the tool magazine

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

The delivery time of max. 15 working days after receipt of order and technical release reduces your tool WIP and warehousing costs

Experienced experts in the field and in the office enable you to make additional savings



OUR FULL RANGE OF VENDING SOLUTIONS

ToolSupply

TOOL-O-MAT / CONSIGNMENT STOCK

TOM840

In conjunction with TOM840 Vending Solutions, you can now easily manage your regrinds yourself through our vending system.



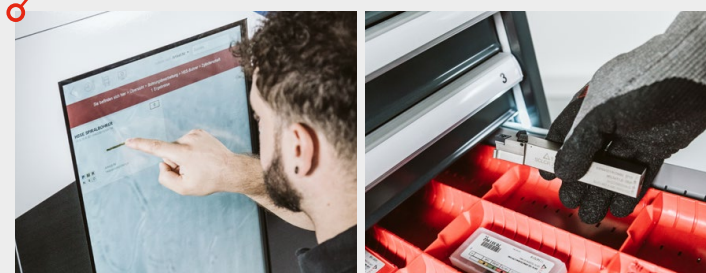
myTOM

OWN-ARTICLE MANAGEMENT

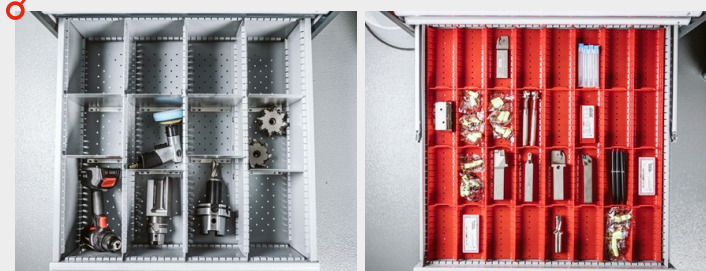
- ▲ Simple self-administration via your own portal
- ▲ Possibility to store and manage any of your own items
- ▲ Direct link to the interface of your Tool-O-Mat



Intuitive operation thanks to the proven ToolSupply user interface



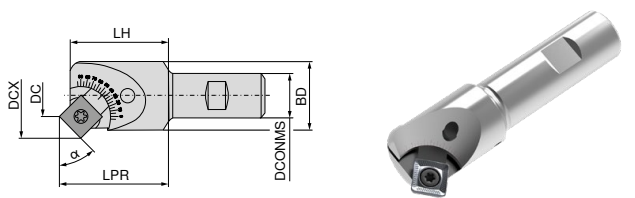
Drawers can be individually adapted to your needs



Full transparency and control



Adjustable single angle milling cutter C 4500



							UKS	
Designation	DCONMS	DC	DCX	LH	BD	LPR	50 690 ...	PG 2B/40
	mm	mm	mm	mm	mm	mm	£	£
C490.20.R.01	16.0	1.6-11.1	20.1-23.6	32.0	18.65	23.9-34.6	01600	104.90 104.90
C490.26.R.01	20.0	1.1-14.1	26.6-31.5	37.0	25.00	38.2-40.6	02000	125.88 125.88

Solid Carbide HPC End milling cutter Set

▲ Set consists of article numbers: 5407006200, 5407008200, 5407010200 and 5407012200



		UKS	
Designation	Height mm	95 070 ...	PG Y5
		£	£
Set	100	99900	120.00 61.89

UltraMini – Set

▲ internal turning, grooving and chamfering

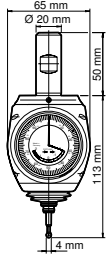


		UKS	
Designation	Height mm	73 085 ...	PG Y5
		£	£
Set	100	999	1,269.71 293.72

Universal 3D-tester

- ▲ Quick and accurate positioning
- ▲ For locating and/or setting the zero point of the workpiece
- ▲ with adjustable concentricity
- ▲ Usable in all 3 axes (x, y, z)
- ▲ For all CNC and erosion machines (insulation between stylus and case)
- ▲ Reading of actual dimensions is independent of direction
- ▲ Reading precision 0.01 mm

Scope of supply
3D tester including tracer insert and Allen key



		UKS	
Designation	Height mm	85 290 ...	PG XX
		£	£
Universal 3D-Tester HQ	100	100	420.04 283.23

Zero height setting gauge



		UKS	
Designation	Height mm	85 900 ...	PG Y7
		£	£
Zero height setting gauge	100	018	280.17 78.68

Assembly device for ISO adapters

▲ Aluminium



		UKS	
Designation	Height mm	80 720 ...	PG Y7
		£	£
Collet chuck		SK 30	030 265.76 57.70
		SK 40	040 265.76 62.94
		SK 50	050 442.43 68.19

Twist drill sets DIN 338 – Type N short

- ▲ In metal box
- ▲ In 0.1 mm steps



		UKS	
Designation	Height mm	10 158 ...	PG T2
		£	£
0.1 mm steps	1.0–5.9	050	96.04 45.00
0.1 mm steps	6.0–10	100	201.37 90.00

Set: MiniCut size 9

- ▲ 1 grooving insert
– 73 310 210 hole Ø 9 mm
- ▲ 1 NC fine turning insert
– 73 314 120 hole Ø 9 mm
- ▲ 2 inserts for copy turning
– 73 386 136 hole Ø 9 mm
– 73 322 236 hole Ø 9 mm
- ▲ 1 insert for chamfering and profiling
– 73 334 110 hole Ø 9 mm
- ▲ 1 tool holder>
– 73 522 125
- ▲ 1 clamping key
– 70 950 105



		UKS	
Designation	Height mm	73 528 ...	PG U1
		£	£
Set	125	125	347.20 104.90

Countersink 90°, DIN 335-C

- ▲ included in the set:
6.3 mm, 8.3 mm, 10.4 mm, 12.4 mm,
16.5 mm and 20.5 mm

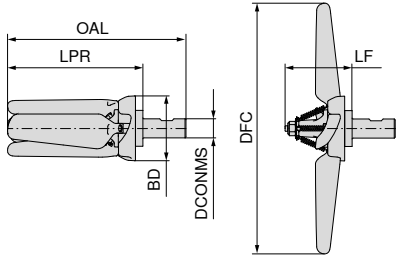


		UKS	
Designation	Height mm	30 100 ...	PG U1
		£	£
Set	999	999	456.74 31.47

Cleaning propeller

- ▲ Chip and emulsion removal or drying processes via the tool spindle
- ▲ Simple replacement of the rotor blades

WNT \ Standard



DCONMS	OAL	LPR	LF	DFC	BD	RPMX
mm	mm	mm	mm	mm	mm	1/min.
20	186.3	141.3	69.75	254	67.68	5000 - 8000

UKS

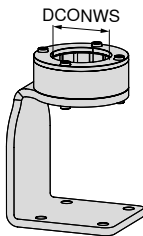


		UKS	
Designation	Height mm	80 399 ...	PG Y7
		£	£
Set	100	02000	571.13 141.62

Assembly fixture for tool holders

- ▲ gripping by roller
- ▲ secure clamping
- ▲ quick assembly, no additional clamping necessary

WNT \ Standard



		UKS	
Designation	Height mm	80 722 ...	PG Y7
		£	£
Adapter	DCONWS	mm	
HSK 32, PSC 32	32.0	032	383.66 125.88
HSK 40, PSC 40	40.0	040	383.66 125.88
MAS-BT 30	46.0	046	336.04 104.90
DIN 69871 / DIN 2080 - SK 30, HSK 50, PSC 50	50.0	050	336.04 104.90
DIN 69871 / DIN 2080 - SK 40, HSK 63, PSC 63, MAS-BT 40, ANSI-CAT 40	63.0	063	336.04 104.90
DIN 69871 - SK 50	97.5	097	670.44 209.80
HSK 100, MAS-BT 50, ANSI-CAT 50	100.0	100	670.44 209.80

SPECIAL OFFER
Twist Drill Sets
SAVE 70%
ONLY £10
PER SET



Art. Nr.: 10 107 999



Customer Service Centre
Freephone: 0800 073 2 073
Email: info.uk@ceratizit.com



Ordering via the Online Shop
<http://cuttingtools.ceratizit.com>





HSS DRILLING



UNI – universal geometry for all applications and materials up to 10xD.



WT – problem solver for difficult to machine materials and applications.



VX – high performance drill for all applications – nominal shank.

NC spot drills, factory standard and high-performance twist drills

		UKS		UKS		UKS		UKS		UKS		UKS		UKS	
		NC-A		UNI		WT		VX		UNI		VX		UNI	
															
		TiN		TiN		TiN		TiN		TiN		TiN		TiN	
		≤ 3xD		≤ 3xD		≤ 3xD		≤ 3xD		≤ 5xD		≤ 5xD		≤ 10xD	
		DIN 1897		DIN 1897		DIN 1897		≈DIN 1897		DIN 338		≈DIN 338		DIN 340	
															
		WNT \ Performance		WNT \ Performance		WNT \ Performance		WNT \ Performance		WNT \ Performance		WNT \ Performance		WNT \ Performance	
		10 520 ...		10 107 ...		10 110 ...		10 122 ...		10 171 ...		10 124 ...		10 270 ...	
		PG T2		PG T2		PG T2		PG T2		PG T2		PG T2		PG T2	
		£ £		£ £		£ £		£ £		£ £		£ £		£ £	
		mm		mm		mm		mm		mm		mm		mm	
		0.90		010		010				009				010	
		1.00		011		011				010				011	
		1.10		012		012				011				012	
		1.20								012					
		1.25								125					
		1.30		013		013				013				013	
		1.40		014		014				014				014	
		1.45								145					
		1.50		015		015				015				015	
		1.55								155					
		1.60		016		016				016				016	
		1.65								165					
		1.70		017		017				017				017	
		1.80		018		018				018				018	
		1.90		019		019				019				019	
		2.00		020		020		020		020		020		020	
		2.10		021		021		021		021		021		021	
		2.20		022		022		022		022		022		022	
		2.30		023		023		023		023		023		023	
		2.38		238						238					
		2.40		024		024		024		024		024		024	
		2.50		025		025		025		025		025		025	
		2.55								255					
		2.60		026		026		026		026		026		026	
		2.70		027		027		027		027		027		027	
		2.78		278						278					
		2.80		028		028		028		028		028		028	
		2.90		029		029		029		029		029		029	
		3.00		030		030		030		030		030		030	
		3.10		031		031		031		031		031		031	
		3.17		317						317					
		3.20		032		032		032		032		032		032	
		3.25								325					
		3.30		033		033		033		033		033		033	
		3.40		034		034		034		034		034		034	
		3.50		035		035		035		035		035		035	
		3.57		357						357					
		3.60		036		036		036		036		036		036	
		3.70		037		037		037		037		037		037	
		3.80		038		038		038		038		038		038	
		3.90		039		039		039		039		039		039	
		3.97		397						397					
		4.00		040		040		040		040		040		040	
		4.10		041		041		041		041		041		041	
		4.20		042		042		042		042		042		042	
		4.25								425					
		4.30		043		043		043		043		043		043	
		4.37		437						437					
		4.40		044		044		044		044		044		044	
		4.50		045		045		045		045		045		045	
		4.60		046		046		046		046		046		046	
		4.65				465				465					
		4.70		047		047		047		047		047		047	
		4.76		476						476					
		4.80		048		048		048		048		048		048	
		4.90		049		049		049		049		049		049	
		4.95								495					
		5.00		050		050		050		050		050		050	
		5.05								505					
		5.10		051		051		051		051		051		051	
		5.16		516						516					
		5.20		052		052		052		052		052		052	
		5.30		053		053		053		053		053		053	
		5.40		054		054		054		054		054		054	
		5.50		055		055		055		055		055		055	
		5.55				555				555					
		5.56		556						556					
		5.60		056		056		056		056		056		056	
		5.70		057		057		057		057		057		057	
		5.75								575					
		5.80		058		058		058		058		058		058	
		5.90		059		059		059		059		059		059	
		5.95		595						595					
		6.00		060		060		060		060		060		060	
		6.10		061		061		061		061		061		061	
		6.20		062		062		062		062		062		062	
		6.30		063		063		063		063		063		063	
		6.35		635						635					
		6.40		064		064		064		064		064		064	
		6.50		065		065		065		065		065		065	
		6.60		066		066		066		066		066		066	
		6.70		067		067		067		067		067		067	
		6.75		675						675					
		6.80		068		068		068		068		068		068	
		6.90		069		069		069		069		069		069	
		7.00		070		070		070		070		070		070	
		P		●		●		●		●		●		●	
		M		○		●		●		●		●		●	
		K		●		●		●		●		●		●	
		N		○		○		○		○		○		○	
		S		○		●		○		○		○		○	
		H				○		○		○		○		○	
		O		○		○		○		○		○		○	

NC spot drills, factory standard and high-performance twist drills

		UKS		UKS		UKS		UKS		UKS		UKS		UKS					
		NC-A		UNI		WT		VX		UNI		VX		UNI					
																			
		TiN		TiN		TiN		TiN		TiN		TiN		TiN					
		≤ 3xD		≤ 3xD		≤ 3xD		≤ 3xD		≤ 5xD		≤ 5xD		≤ 10xD					
		DIN 1897		DIN 1897		DIN 1897		≈DIN 1897		DIN 338		≈DIN 338		DIN 340					
																			
		WNT \ Performance		WNT \ Performance		WNT \ Performance		WNT \ Performance		WNT \ Performance		WNT \ Performance		WNT \ Performance					
		10 520 ...		10 107 ...		10 110 ...		10 122 ...		10 171 ...		10 124 ...		10 270 ...					
		PG T2		PG T2		PG T2		PG T2		PG T2		PG T2		PG T2					
		£ £		£ £		£ £		£ £		£ £		£ £		£ £					
DC h8/h6	mm																		
7.10				071	1) 23.60	20.07			071	1) 39.66	33.20	071	1) 45.39	13.08	071	1) 24.67	20.97		
7.14				714	1) 24.16	20.54			714	1) 22.98	19.53	714	1) 22.98	19.53					
7.20				072	1) 23.84	20.25			072	1) 39.67	33.73	072	1) 45.39	13.08	072	1) 28.25	24.01		
7.30				073	1) 23.96	20.36			073	1) 39.67	33.73	073	1) 45.39	13.08	073	1) 28.53	25.10		
7.40				074	1) 23.84	20.25	074	1) 47.67	14.85	074	1) 39.67	33.73	074	1) 45.39	13.08	074	1) 30.60	26.00	
7.45																			
7.50				075	1) 44.94	12.69	075	1) 43.49	11.47	075	1) 39.67	33.73	075	1) 42.36	10.50	075	1) 34.43	26.47	
7.55								075	1) 28.82	23.81	075	1) 28.82	23.81	075	1) 42.36	10.50			
7.60				076	1) 22.30	18.96	076	1) 49.48	16.30	076	1) 49.48	16.30	076	1) 49.48	15.36	076	1) 33.40	28.39	
7.70				077	1) 27.66	23.51	077	1) 49.48	16.30	077	1) 43.33	36.83	077	1) 48.59	15.80	077	1) 34.54	26.81	
7.80				078	1) 26.72	22.71	078	1) 49.48	16.30	078	1) 43.33	36.83	078	1) 48.59	15.36	078	1) 34.77	29.56	
7.90				079	1) 29.24	24.91	079	1) 49.48	16.30	079	1) 43.33	36.83	079	1) 48.59	15.80	079	1) 33.53	28.50	
7.94				794	1) 45.12	12.85			794	1) 48.06	15.36	794	1) 48.06	15.36					
8.00		080	49.20 15.47	080	1) 44.43	12.27	080	1) 43.88	11.80	080	1) 28.76	24.45	080	1) 48.59	41.23	080	1) 28.46	24.19	
8.10				081	1) 30.01	25.56	081	1) 49.47	16.30	081	1) 49.47	16.30	081	1) 48.06	15.36	081	1) 31.38	26.67	
8.20				082	1) 34.37	26.67	082	1) 49.47	16.30	082	1) 49.47	16.30	082	1) 49.47	16.44	082	1) 34.22	29.09	
8.30				083	1) 33.73	28.67	083	1) 49.47	16.30	083	1) 49.47	16.30	083	1) 49.47	16.44	083	1) 36.27	30.83	
8.40				084	1) 34.66	29.46	084	1) 49.47	16.30	084	1) 49.47	16.30	084	1) 49.47	16.44	084	1) 38.09	33.14	
8.50				085	1) 47.15	14.58	085	1) 46.69	14.18	085	1) 32.62	27.74	085	1) 44.84	12.59	085	1) 33.40	28.39	
8.60				086	1) 28.60	17.51	086	1) 51.00	43.43	086	1) 51.00	43.43	086	1) 33.42	28.14	086	1) 33.49	28.21	
8.70				087	1) 23.74	20.15	087	1) 20.72	17.61	087	1) 51.00	43.43	087	1) 33.42	28.14	087	1) 33.53	28.50	
8.73				873	1) 27.16	23.09			873	1) 21.76	18.49	873	1) 21.76	18.49					
8.80				088	1) 22.30	18.96	088	1) 20.72	17.61	088	1) 51.00	43.43	088	1) 23.05	19.58	088	1) 34.06	28.95	
8.90				089	1) 29.33	24.93	089	1) 51.00	43.43	089	1) 51.00	43.43	089	1) 28.45	24.18	089	1) 34.64	29.41	
9.00				090	1) 18.06	15.36	090	1) 16.93	14.39	090	1) 35.59	30.25	090	1) 18.62	15.83	090	1) 35.40	29.83	
9.10				091	1) 24.70	21.00	091	1) 64.05	54.44	091	1) 64.05	54.44	091	1) 20.04	26.30	091	1) 35.40	29.83	
9.20				092	1) 24.88	21.15	092	1) 27.12	23.05	092	1) 64.05	54.44	092	1) 31.75	26.99	092	1) 35.40	29.83	
9.30				093	1) 43.87	37.29	093	1) 27.12	23.05	093	1) 64.05	54.44	093	1) 20.20	23.97	093	1) 35.40	29.83	
9.35								935	1) 64.05	54.44	935	1) 64.05	54.44	935	1) 21.96	18.66			
9.40				094	1) 28.85	24.53	094	1) 27.12	23.05	094	1) 64.05	54.44	094	1) 34.84	29.61	094	1) 35.40	29.83	
9.50				095	1) 49.34	16.44	095	1) 22.83	18.72	095	1) 44.48	37.81	095	1) 21.96	18.66	095	1) 35.40	29.83	
9.55												955	1) 59.23	50.34	955	1) 59.23	50.34		
9.60				096	1) 28.17	25.65	096	1) 27.54	23.40	096	1) 47.99	40.80	096	1) 31.54	26.78	096	1) 37.18	31.60	
9.70				097	1) 29.33	24.93	097	1) 27.54	23.40	097	1) 47.99	40.80	097	1) 37.82	31.47	097	1) 38.09	33.14	
9.80				098	1) 45.47	38.39	098	1) 29.46	25.04	098	1) 47.99	40.80	098	1) 31.54	26.78	098	1) 41.68	35.40	
9.90				099	1) 34.34	26.64	099	1) 29.46	25.04	099	1) 47.99	40.80	099	1) 20.02	24.66	099	1) 45.26	38.48	
10.00		100	49.82 16.17	100	1) 22.49	19.11	100	1) 20.72	17.61	100	1) 42.79	36.37	100	1) 22.08	18.77	100	1) 48.94	41.59	
10.10				101	1) 30.47	25.65	101	1) 29.25	24.86	101	1) 28.49	24.22	101	1) 28.49	24.22	101	1) 53.47	45.44	
10.20				102	1) 35.75	30.39	102	1) 29.25	24.86	102	1) 63.32	53.82	102	1) 29.85	25.38	102	1) 57.11	48.54	
10.30				103	1) 28.02	23.81	103	1) 63.32	53.82	103	1) 64.42	54.76	103	1) 24.88	21.15	103	1) 61.61	52.37	
10.40				104	1) 32.80	27.88	104	1) 63.32	53.82	104	1) 64.42	54.76	104	1) 30.84	26.18	104	1) 61.61	52.37	
10.50				105	1) 38.72	32.91	105	1) 27.87	23.69	105	1) 61.50	52.28	105	1) 30.98	26.33	105	1) 62.55	53.17	
10.55												955	1) 33.95	28.86					
10.70								107	1) 67.23	57.15			107	1) 82.47	70.10				
10.80						108	1) 62.44	52.82	108	1) 64.63	54.94			108	1) 82.47	70.10			
11.00						110	1) 27.87	23.69	110	1) 64.63	54.94			110	1) 60.54	59.08	110	1) 74.25	63.11
11.10						111	1) 60.46	51.14	111	1) 60.46	51.14			111	1) 60.46	51.14			
11.11												111	1) 65.45	55.63					
11.20												112	1) 65.45	55.63	112	1) 74.42	63.25		
11.30												113	1) 65.79	55.92	113	1) 74.42	63.25		
11.4																			

SOLID CARBIDE DRILLING



UNI – for all materials and applications up to 12xD.



VA – for stainless and corrosion resistant steels up to 5xD.



TB – for all materials and applications from 16xD up to 50xD.

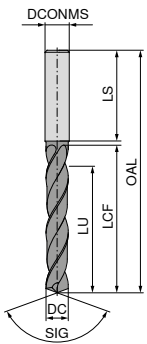


WTX Change – good solution for lathes with mis-alignment and lower powered machines. Cost effective solution in larger diameters above Ø 20 mm in 0.1 mm increments.



WPC Change Uni – High performance with low cost per hole in normal materials

High Performance Drill, DIN 6537



VA

TiAlN

≤ 3xD

DIN 6537

SIG 140°

WNT \ Standard

VA

TiAlN

≤ 3xD

DIN 6537

SIG 140°

WNT \ Standard

UKS UNI

TiAlN

≤ 3xD

DIN 6537

SIG 140°

WNT \ Standard

UKS UNI

TiAlN

≤ 3xD

DIN 6537

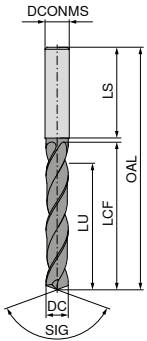
SIG 140°

WNT \ Standard

DC	DCONMS	OAL	LCF	LU	LS
h7/m7	h6				
mm	mm	mm	mm	mm	mm
1.00	4	45	7	5.5	28
1.10	4	45	7	5.3	28
1.20	4	45	7	5.2	28
1.30	4	45	7	5.0	28
1.40	4	45	7	4.9	28
1.50	4	55	14	11.7	28
1.60	4	55	14	11.6	28
1.70	4	55	14	11.4	28
1.80	4	55	14	11.3	28
1.90	4	55	14	11.1	28
2.00	4	55	20	17.0	28
2.10	4	55	20	16.8	28
2.20	4	55	20	16.7	28
2.30	4	55	20	16.5	28
2.40	4	55	20	16.4	28
2.50	4	55	20	16.2	28
2.60	4	55	20	16.1	28
2.70	4	55	20	15.9	28
2.80	4	55	20	15.8	28
2.90	4	55	20	15.6	28
3.00	6	62	20	15.5	36
3.10	6	62	20	15.3	36
3.20	6	62	20	15.2	36
3.25	6	62	20	15.1	36
3.30	6	62	20	15.0	36
3.40	6	62	20	14.9	36
3.50	6	62	20	14.7	36
3.60	6	62	20	14.6	36
3.70	6	62	20	14.4	36
3.80	6	66	24	18.3	36
3.90	6	66	24	18.1	36
4.00	6	66	24	18.0	36
4.10	6	66	24	17.8	36
4.20	6	66	24	17.7	36
4.30	6	66	24	17.5	36
4.40	6	66	24	17.4	36
4.50	6	66	24	17.2	36
4.60	6	66	24	17.1	36
4.65	6	66	24	17.0	36
4.70	6	66	24	16.9	36
4.80	6	66	28	20.8	36
4.90	6	66	28	20.6	36
5.00	6	66	28	20.5	36
5.10	6	66	28	20.3	36
5.20	6	66	28	20.2	36
5.30	6	66	28	20.0	36
5.40	6	66	28	19.9	36
5.50	6	66	28	19.7	36
5.55	6	66	28	19.6	36
5.60	6	66	28	19.6	36
5.65	6	66	28	19.5	36
5.70	6	66	28	19.4	36
5.80	6	66	28	19.3	36
5.90	6	66	28	19.1	36
6.00	6	66	28	19.0	36
6.10	8	79	34	24.8	36
6.20	8	79	34	24.7	36
6.30	8	79	34	24.5	36
6.40	8	79	34	24.4	36
6.50	8	79	34	24.2	36
6.60	8	79	34	24.1	36
6.70	8	79	34	23.9	36
6.80	8	79	34	23.8	36
6.90	8	79	34	23.6	36
7.00	8	79	34	23.5	36
7.10	8	79	41	30.3	36
7.20	8	79	41	30.2	36
7.30	8	79	41	30.0	36
7.40	8	79	41	29.9	36
7.50	8	79	41	29.7	36
7.55	8	79	41	29.6	36
7.60	8	79	41	29.6	36
7.65	8	79	41	29.5	36
7.70	8	79	41	29.4	36

11 713 ...	PG T1/9C		11 711 ...	PG T1/9C		11 700 ...	PG T1/9C		11 706 ...	PG T1/9C	
	£	£		£	£		£	£		£	£
01000	38.75	37.76	01000	33.48	32.52	01000	32.99	32.52	01000	29.47	28.32
01100	38.75	37.76	01100	33.48	32.52	01100	32.99	32.52	01100	29.47	28.32
01200	38.75	37.76	01200	33.48	32.52	01200	32.99	32.52	01200	29.47	28.32
01300	38.75	37.76	01300	33.48	32.52	01300	32.99	32.52	01300	29.47	28.32
01400	38.75	37.76	01400	33.48	32.52	01400	32.99	32.52	01400	29.47	28.32
01500	38.75	37.76	01500	33.48	32.52	01500	32.99	32.52	01500	29.47	28.32
01600	38.75	37.76	01600	33.48	32.52	01600	32.99	32.52	01600	29.47	28.32
01700	38.75	37.76	01700	33.48	32.52	01700	32.99	32.52	01700	29.47	28.32
01800	38.75	37.76	01800	33.48	32.52	01800	32.99	32.52	01800	29.47	28.32
01900	38.75	37.76	01900	33.48	32.52	01900	32.99	32.52	01900	29.47	28.32
02000	38.75	37.76	02000	30.43	30.42	02000	32.99	32.52	02000	26.64	26.23
02100	38.75	37.76	02100	30.43	30.42	02100	32.99	32.52	02100	26.64	26.23
02200	38.75	37.76	02200	30.43	30.42	02200	32.99	32.52	02200	26.64	26.23
02300	38.75	37.76	02300	30.43	30.42	02300	32.99	32.52	02300	26.64	26.23
02400	38.75	37.76	02400	30.43	30.42	02400	32.99	32.52	02400	26.64	26.23
02500	38.75	37.76	02500	30.43	30.42	02500	32.99	32.52	02500	26.64	26.23
02600	38.75	37.76	02600	30.43	30.42	02600	32.99	32.52	02600	26.64	26.23
02700	38.75	37.76	02700	30.43	30.42	02700	32.99	32.52	02700	26.64	26.23
02800	38.75	37.76	02800	30.43	30.42	02800	32.99	32.52	02800	26.64	26.23
02900	38.75	37.76	02900	30.43	30.42	02900	32.99	32.52	02900	26.64	26.23
03000	33.60	33.57	03000	29.50	29.37	03000	27.90	27.27	03000	25.38	25.18
03100	33.60	33.57	03100	29.50	29.37	03100	27.90	27.27	03100	25.38	25.18
03200	33.60	33.57	03200	29.50	29.37	03200	27.90	27.27	03200	25.38	25.18
						03250	27.90	27.27	03250	25.38	25.18
03300	33.60	33.57	03300	29.50	29.37	03300	27.90	27.27	03300	25.38	25.18
03400	33.60	33.57	03400	29.50	29.37	03400	27.90	27.27	03400	25.38	25.18
03500	33.60	33.57	03500	29.50	29.37	03500	27.90	27.27	03500	25.38	25.18
03600	33.60	33.57	03600	29.50	29.37	03600	27.90	27.27	03600	25.38	25.18
03700	33.60	33.57	03700	29.50	29.37	03700	27.90	27.27	03700	25.38	25.18
03800	33.60	33.57	03800	29.50	29.37	03800	27.90	27.27	03800	25.38	25.18
03900	33.60	33.57	03900	29.50	29.37	03900	27.90	27.27	03900	25.38	25.18
04000	33.60	33.57	04000	29.50	29.37	04000	27.90	27.27	04000	25.38	25.18
04100	33.60	33.57	04100	29.50	29.37	04100	27.90	27.27	04100	25.38	25.18
04200	33.60	33.57	04200	29.50	29.37	04200	27.90	27.27	04200	25.38	25.18
04300	33.60	33.57	04300	29.50	29.37	04300	27.90	27.27	04300	25.38	25.18
04400	33.60	33.57	04400	29.50	29.37	04400	27.90	27.27	04400	25.38	25.18
04500	33.60	33.57	04500	29.50	29.37	04500	27.90	27.27	04500	25.38	25.18
04600	33.60	33.57	04600	29.50	29.37	04600	27.90	27.27	04600	25.38	25.18
						04650	27.90	27.27	04650	25.38	25.18
04700	33.60	33.57	04700	29.50	29.37	04700	27.90	27.27	04700	25.38	25.18
04800	33.60	33.57	04800	29.50	29.37	04800	27.90	27.27	04800	25.38	25.18
04900	33.60	33.57	04900	29.50	29.37	04900	27.90	27.27	04900	25.38	25.18
05000	33.60	33.57	05000	29.50	29.37	05000	27.90	27.27	05000	25.38	25.18
05100	33.60	33.57	05100	29.50	29.37	05100	27.90	27.27	05100	25.38	25.18
05200	33.60	33.57	05200	29.50	29.37	05200	27.90	27.27	05200	25.38	25.18
05300	33.60	33.57	05300	29.50	29.37	05300	27.90	27.27	05300	25.38	25.18
05400	33.60	33.57	05400	29.50	29.37	05400	27.90	27.27	05400	25.38	25.18
05500	33.60	33.57	05500	29.50	29.37	05500	27.90	27.27	05500	25.38	25.18
						05550	27.90	27.27	05550	25.38	25.18
05600	33.60	33.57	05600	29.50	29.37	05600	27.90	27.27	05600	25.38	25.18
						05650	27.90	27.27	05650	25.38	25.18
05700	33.60	33.57	05700	29.50	29.37	05700	27.90	27.27	05700	25.38	25.18
05800	33.60	33.57	05800	29.50	29.37	05800	27.90	27.27	05800	25.38	25.18
05900	33.60	33.57	05900	29.50	29.37	05900	27.90	27.27	05900	25.38	25.18
06000	33.60	33.57	06000	29.50	29.37	06000	27.90	27.27	06000	25.38	25.18
06100	46.03	45.11	06100	29.60	29.37	06100	39.33	38.81	06100	25.38	25.18
06200	46.03	45.11	06200	29.60	29.37	06200	39.33	38.81	06200	25.38	25.18
06300	46.03	45.11	06300	29.60	29.37	06300	39.33	38.81	06300	25.38	25.18
06400	46.03	45.11	06400	29.60	29.37	06400	39.33	38.81	06400	25.38	25.18
06500	46.03	45.11	06500	29.60	29.37	06500	39.33	38.81	06500	25.38	25.18
06600	46.03	45.11	06600	29.60	29.37	06600	39.33	38.81	06600	25.38	25.18
06700	46.03	45.11	06700	29.60	29.37	06700	39.33	38.81	06700	25.38	25.18
06800	46.03	45.11	06800	29.60	29.37	06800	39.33	38.81	06800	25.38	25.18
06900	46.03	45.11	06900	29.60	29.37	06900	39.33	38.81	06900	25.38	25.18
07000	46.03	45.11	07000	29.60	29.37	07000	39.33	38.81	07000	25.38	25.18
07100	46.03	45.11	07100	29.60	29.37	07100	39.33	38.81	07100	25.38	25.18
07200	46.03	45.11	07200	29.60	29.37	07200	39.33	38.81	07200	25.38	25.18
07300	46.03	45.11	07300	29.60	29.37	07300	39.33	38.81	07300	25.38	25.18
07400	46.03	45.11	07400	29.60	29.37	07400	39.33	38.81	07400	25.38	25.18
07500	46.03	45.11	07500	29.60	29.37	07500	39.33	38.81	07500	25.38	25.18
						07550	39.33	38.81	07550	25.38	25.18
07600	46.03	45.11	07600	29.60	29.37	07600	39.33	38.81	07600	25.38	25.18
						07650	39.33	38.81	07650	25.38	25.18
07700	46.03	45.11	07700	29.60	29.37	07700	39.33	38.81	07700	25.38	25.18

High Performance Drill, DIN 6537



VA

TiAlN

≤ 3xD

DIN 6537

SIG 140°

WNT \ Standard

VA

TiAlN

≤ 3xD

DIN 6537

SIG 140°

WNT \ Standard

UKS UNI

TiAlN

≤ 3xD

DIN 6537

SIG 140°

WNT \ Standard

UKS UNI

TiAlN

≤ 3xD

DIN 6537

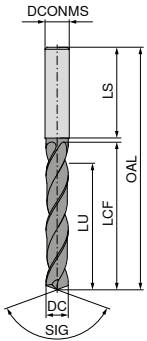
SIG 140°

WNT \ Standard

DC _{h7/m7}	DCONMS _{h6}	OAL	LCF	LU	LS
mm	mm	mm	mm	mm	mm
7.8	8	79	41	29.3	36
7.9	8	79	41	29.1	36
8.0	8	79	41	29.0	36
8.1	10	89	47	34.8	40
8.2	10	89	47	34.7	40
8.3	10	89	47	34.5	40
8.4	10	89	47	34.4	40
8.5	10	89	47	34.2	40
8.6	10	89	47	34.1	40
8.7	10	89	47	33.9	40
8.8	10	89	47	33.8	40
8.9	10	89	47	33.6	40
9.0	10	89	47	33.5	40
9.1	10	89	47	33.3	40
9.2	10	89	47	33.2	40
9.3	10	89	47	33.0	40
9.4	10	89	47	32.9	40
9.5	10	89	47	32.7	40
9.6	10	89	47	32.6	40
9.7	10	89	47	32.4	40
9.8	10	89	47	32.3	40
9.9	10	89	47	32.1	40
10.0	10	89	47	32.0	40
10.1	12	102	55	39.8	45
10.2	12	102	55	39.7	45
10.3	12	102	55	39.5	45
10.4	12	102	55	39.4	45
10.5	12	102	55	39.2	45
10.6	12	102	55	39.1	45
10.7	12	102	55	38.9	45
10.8	12	102	55	38.8	45
10.9	12	102	55	38.6	45
11.0	12	102	55	38.5	45
11.1	12	102	55	38.3	45
11.2	12	102	55	38.2	45
11.3	12	102	55	38.0	45
11.4	12	102	55	37.9	45
11.5	12	102	55	37.7	45
11.6	12	102	55	37.6	45
11.7	12	102	55	37.4	45
11.8	12	102	55	37.3	45
11.9	12	102	55	37.1	45
12.0	12	102	55	37.0	45
12.2	14	107	60	41.7	45
12.3	14	107	60	41.5	45
12.5	14	107	60	41.2	45
12.7	14	107	60	40.9	45
12.8	14	107	60	40.8	45
12.9	14	107	60	40.6	45
13.0	14	107	60	40.5	45
13.1	14	107	60	40.3	45
13.5	14	107	60	39.7	45
13.7	14	107	60	39.4	45
13.8	14	107	60	39.3	45
14.0	14	107	60	39.0	45
14.2	16	115	65	43.7	48
14.4	16	115	65	43.4	48
14.5	16	115	65	43.2	48
14.7	16	115	65	42.9	48
14.8	16	115	65	42.8	48
15.0	16	115	65	42.5	48
15.1	16	115	65	42.3	48
15.2	16	115	65	42.2	48
15.5	16	115	65	41.7	48
15.7	16	115	65	41.4	48
15.8	16	115	65	41.3	48
16.0	16	115	65	41.0	48
16.5	18	123	73	48.2	48
17.0	18	123	73	47.5	48
17.5	18	123	73	46.7	48
18.0	18	123	73	46.0	48
18.5	20	131	79	51.2	50
18.9	20	131	79	50.6	50
19.0	20	131	79	50.5	50
19.3	20	131	79	50.0	50
19.5	20	131	79	49.7	50
20.0	20	131	79	49.0	50

11 713 ...	PG T1/9C		11 711 ...	PG T1/9C		11 700 ...	PG T1/9C		11 706 ...	PG T1/9C	
	£	£		£	£		£	£		£	£
07800	46.03	45.11	07800	29.60	29.37	07800	39.33	38.81	07800	25.38	25.18
07900	46.03	45.11	07900	29.60	29.37	07900	39.33	38.81	07900	25.38	25.18
08000	46.03	45.11	08000	29.60	29.37	08000	39.33	38.81	08000	25.38	25.18
08100	52.17	51.40	08100	33.13	32.52	08100	44.40	44.06	08100	29.17	28.32
08200	52.17	51.40	08200	33.13	32.52	08200	44.40	44.06	08200	29.17	28.32
08300	52.17	51.40	08300	33.13	32.52	08300	44.40	44.06	08300	29.17	28.32
08400	52.17	51.40	08400	33.13	32.52	08400	44.40	44.06	08400	29.17	28.32
08500	52.17	51.40	08500	33.13	32.52	08500	44.40	44.06	08500	29.17	28.32
08600	52.17	51.40	08600	33.13	32.52	08600	44.40	44.06	08600	29.17	28.32
08700	52.17	51.40	08700	33.13	32.52	08700	44.40	44.06	08700	29.17	28.32
08800	52.17	51.40	08800	33.13	32.52	08800	44.40	44.06	08800	29.17	28.32
08900	52.17	51.40	08900	33.13	32.52	08900	44.40	44.06	08900	29.17	28.32
09000	52.17	51.40	09000	33.13	32.52	09000	44.40	44.06	09000	29.17	28.32
09100	52.17	51.40	09100	33.13	32.52	09100	44.40	44.06	09100	29.17	28.32
09200	52.17	51.40	09200	33.13	32.52	09200	44.40	44.06	09200	29.17	28.32
09300	52.17	51.40	09300	33.13	32.52	09300	44.40	44.06	09300	29.17	28.32
09400	52.17	51.40	09400	33.13	32.52	09400	44.40	44.06	09400	29.17	28.32
09500	52.17	51.40	09500	33.13	32.52	09500	44.40	44.06	09500	29.17	28.32
09600	52.17	51.40	09600	33.13	32.52	09600	44.40	44.06	09600	29.17	28.32
09700	52.17	51.40	09700	33.13	32.52	09700	44.40	44.06	09700	29.17	28.32
09800	52.17	51.40	09800	33.13	32.52	09800	44.40	44.06	09800	29.17	28.32
09900	52.17	51.40	09900	33.13	32.52	09900	44.40	44.06	09900	29.17	28.32
10000	52.17	51.40	10000	33.13	32.52	10000	44.40	44.06	10000	29.17	28.32
10100	75.17	74.48	10100	49.97	49.30	10100	63.43	62.94	10100	44.40	44.06
10200	75.17	74.48	10200	49.97	49.30	10200	63.43	62.94	10200	44.40	44.06
10300	75.17	74.48	10300	49.97	49.30	10300	63.43	62.94	10300	44.40	44.06
10400	75.17	74.48	10400	49.97	49.30	10400	63.43	62.94	10400	44.40	44.06
10500	75.17	74.48	10500	49.97	49.30	10500	63.43	62.94	10500	44.40	44.06
10600	75.17	74.48	10600	49.97	49.30	10600	63.43	62.94	10600	44.40	44.06
10700	75.17	74.48	10700	49.97	49.30	10700	63.43	62.94	10700	44.40	44.06
10800	75.17	74.48	10800	49.97	49.30	10800	63.43	62.94	10800	44.40	44.06
10900	75.17	74.48	10900	49.97	49.30	10900	63.43	62.94	10900	44.40	44.06
11000	75.17	74.48	11000	49.97	49.30	11000	63.43	62.94	11000	44.40	44.06
11100	75.17	74.48	11100	49.97	49.30	11100	63.43	62.94	11100	44.40	44.06
11200	75.17	74.48	11200	49.97	49.30	11200	63.43	62.94	11200	44.40	44.06
11300	75.17	74.48	11300	49.97	49.30	11300	63.43	62.94	11300	44.40	44.06
11400	75.17	74.48	11400	49.97	49.30	11400	63.43	62.94	11400	44.40	44.06
11500	75.17	74.48	11500	49.97	49.30	11500	63.43	62.94	11500	44.40	44.06
11600	75.17	74.48	11600	49.97	49.30	11600	63.43	62.94	11600	44.40	44.06
11700	75.17	74.48	11700	49.97	49.30	11700	63.43	62.94	11700	44.40	44.06
11800	75.17	74.48	11800	49.97	49.30	11800	63.43	62.94	11800	44.40	44.06
11900	75.17	74.48	11900	49.97	49.30	11900	63.43	62.94	11900	44.40	44.06
12000	75.17	74.48	12000	49.97	49.30	12000	63.43	62.94	12000	44.40	44.06
12200	100.71	100.70	12200	66.95	66.09	12200	85.00	84.97	12200	59.63	58.74
12300	100.71	100.70				12300	85.00	84.97			
12500	100.71	100.70	12500	66.95	66.09	12500	85.00	84.97	12500	59.63	58.74
12700	100.71	100.70	12700	66.95	66.09	12700	85.00	84.97	12700	65.57	55.73
12800	100.71	100.70	12800	66.95	66.09	12800	85.00	84.97	12800	59.63	58.74
12900	100.71	100.70				12900	85.00	84.97			
13000	100.71	100.70	13000	66.95	66.09	13000	85.00	84.97	13000	59.63	58.74
			13100	66.95	66.09				13100	59.63	58.74
13500	100.71	100.70	13500	66.95	66.09	13500	85.00	84.97	13500	59.63	58.74
13700	100.71	100.70	13700	66.95	66.09						
13800	100.71	100.70	13800	66.95	66.09	13800	85.00	84.97	13800	59.63	58.74
14000	100.71	100.70	14000	66.95	66.09	14000	85.00	84.97	14000	59.63	58.74
14200	130.06	129.03	14200	87.01	86.02	14200	110.38	110.15	14200	76.13	75.53
14400	130.06	129.03	14400	87.01	86.02	14400	110.38	110.15	14400	76.13	75.53
14500	130.06	129.03	14500	87.01	86.02	14500	110.38	110.15	14500	76.13	75.53
14700	130.06	129.03	14700	87.01	86.02						
14800	130.06	129.03	14800	87.01	86.02	14800	110.38	110.15	14800	76.13	75.53
15000	130.06	129.03	15000	87.01	86.02	15000	110.38	110.15	15000	76.13	75.53
15100	130.06	129.03	15100	87.01	86.02	15100	110.38	110.15	15100	76.13	75.53
15200	130.06	129.03	15200	87.01	86.02	15200	110.38	110.15	15200	76.13	75.53
15500	130.06	129.03	15500	87.01	86.02	15500	110.38	110.15	15500	76.13	75.53
15700	130.06	129.03	15700	87.01	86.02						
15800	130.06	129.03	15800	87.01	86.02	15800	110.38	110.15	15800	76.13	75.53
16000	130.06	129.03	16000	87.01	86.02	16000	110.38	110.15	16000	76.13	75.53
16500	197.32	197.21	16500	147.50	146.86	16500	166.10	165.74	16500	130.67	130.08
17000	197.32	197.21	17000	147.50	146.86	17000	166.10	165.74	17000	130.67	130.08
17500	197.32	197.21	17500	147.50	146.86	17500	166.10	165.74	17500	130.67	130.08
18000	197.32	197.21	18000	147.50	146.86	18000	166.10	165.74	18000	130.67	130.08
18500	217.41	217.14	18500	161.38	160.50	18500	183.95	183.58	18500	143.36	142.66
18900	217.41	217.14	18900	161.38	160.50	18900	183.95	183.58	18900	143.36	142.66
19000	217.41	217.14	19000	161.38	160.50	19000	183.95	183.58	19000	143.36	142.66
19300	217.41	217.14				19300	183.95	183.58			
19500	217.41	217.14	19500	161.38	160.50	19500	183.95	183.58	19500	143.36	142.66
20000	217.41	217.14	20000	161.38	160.50	20000	183.95	183.58	20000	143.36	142.66

High Performance Drill, DIN 6537



VA

TiAIN

≤ 5xD

DIN 6537

SIG 140°

WNT \ Standard

UKS UNI

TiAIN

≤ 5xD

DIN 6537

SIG 140°

WNT \ Standard

UKS UNI

TiAIN

≤ 5xD

DIN 6537

SIG 140°

WNT \ Standard

DC ^{h7/m7}	DCONMS ^{h6}	OAL	LCF	LU	LS
mm	mm	mm	mm	mm	mm
1.00	4	55	8	6.5	28
1.10	4	55	12	10.3	28
1.20	4	55	12	10.2	28
1.30	4	55	12	10.0	28
1.40	4	55	12	9.9	28
1.50	4	55	12	9.7	28
1.60	4	55	16	13.6	28
1.70	4	55	16	13.4	28
1.80	4	55	16	13.3	28
1.90	4	55	16	13.1	28
2.00	4	57	21	18.0	28
2.10	4	57	21	17.8	28
2.20	4	57	21	17.7	28
2.30	4	57	21	17.5	28
2.40	4	57	21	17.4	28
2.50	4	57	21	17.2	28
2.60	4	57	21	17.1	28
2.70	4	57	21	16.9	28
2.80	4	57	21	16.8	28
2.90	4	57	21	16.6	28
3.00	6	66	28	23.5	36
3.10	6	66	28	23.3	36
3.20	6	66	28	23.2	36
3.25	6	66	28	23.1	36
3.30	6	66	28	23.0	36
3.40	6	66	28	22.9	36
3.50	6	66	28	22.7	36
3.60	6	66	28	22.6	36
3.70	6	66	28	22.4	36
3.80	6	74	36	30.3	36
3.85	6	74	36	30.2	36
3.90	6	74	36	30.1	36
4.00	6	74	36	30.0	36
4.10	6	74	36	29.8	36
4.20	6	74	36	29.7	36
4.30	6	74	36	29.5	36
4.40	6	74	36	29.4	36
4.50	6	74	36	29.2	36
4.60	6	74	36	29.1	36
4.65	6	74	36	29.0	36
4.70	6	74	36	28.9	36
4.80	6	82	44	36.8	36
4.90	6	82	44	36.6	36
5.00	6	82	44	36.5	36
5.10	6	82	44	36.3	36
5.20	6	82	44	36.2	36
5.30	6	82	44	36.0	36
5.40	6	82	44	35.9	36
5.50	6	82	44	35.7	36
5.55	6	82	44	35.6	36
5.60	6	82	44	35.6	36
5.65	6	82	44	35.5	36
5.70	6	82	44	35.4	36
5.80	6	82	44	35.3	36
5.90	6	82	44	35.1	36
6.00	6	82	44	35.0	36
6.10	8	91	53	43.8	36
6.20	8	91	53	43.7	36
6.30	8	91	53	43.5	36
6.40	8	91	53	43.4	36
6.50	8	91	53	43.2	36
6.60	8	91	53	43.1	36
6.70	8	91	53	42.9	36
6.80	8	91	53	42.8	36
6.90	8	91	53	42.6	36
7.00	8	91	53	42.5	36
7.10	8	91	53	42.3	36
7.20	8	91	53	42.2	36
7.30	8	91	53	42.0	36
7.40	8	91	53	41.9	36
7.45	8	91	53	41.8	36
7.50	8	91	53	41.7	36
7.55	8	91	53	41.6	36
7.60	8	91	53	41.6	36
7.65	8	91	53	41.5	36
7.70	8	91	53	41.4	36
7.80	8	91	53	41.3	36
7.90	8	91	53	41.1	36
8.00	8	91	53	41.0	36
8.10	10	103	61	48.8	40
8.20	10	103	61	48.7	40
8.30	10	103	61	48.5	40

11 715 ...	PG T1/9C	11 702 ...	PG T1/9C	11 710 ...	PG T1/9C
	£ £		£ £		£ £
01000	45.15 45.11	01000	38.06 37.76		
01100	45.15 45.11	01100	38.06 37.76		
01200	45.15 45.11	01200	38.06 37.76		
01300	45.15 45.11	01300	38.06 37.76		
01400	45.15 45.11	01400	38.06 37.76		
01500	45.15 45.11	01500	38.06 37.76		
01600	45.15 45.11	01600	38.06 37.76		
01700	45.15 45.11	01700	38.06 37.76		
01800	45.15 45.11	01800	38.06 37.76		
01900	45.15 45.11	01900	38.06 37.76		
02000	45.15 45.11	02000	38.06 37.76		
02100	45.15 45.11	02100	38.06 37.76		
02200	45.15 45.11	02200	38.06 37.76		
02300	45.15 45.11	02300	38.06 37.76		
02400	45.15 45.11	02400	38.06 37.76		
02500	45.15 45.11	02500	38.06 37.76		
02600	45.15 45.11	02600	38.06 37.76		
02700	45.15 45.11	02700	38.06 37.76		
02800	45.15 45.11	02800	38.06 37.76		
02900	45.15 45.11	02900	38.06 37.76		
03000	44.41 44.06	03000	38.06 37.76	03000	31.72 31.47
03100	44.41 44.06	03100	38.06 37.76	03100	31.72 31.47
03200	44.41 44.06	03200	38.06 37.76	03200	31.72 31.47
		03250	38.06 37.76	03250	31.72 31.47
03300	44.41 44.06	03300	38.06 37.76	03300	31.72 31.47
03400	44.41 44.06	03400	38.06 37.76	03400	31.72 31.47
03500	44.41 44.06	03500	38.06 37.76	03500	31.72 31.47
03600	44.41 44.06	03600	38.06 37.76	03600	31.72 31.47
03700	44.41 44.06	03700	38.06 37.76	03700	31.72 31.47
03800	44.41 44.06	03800	38.06 37.76	03800	31.72 31.47
		03850	38.06 37.76		
03900	44.41 44.06	03900	38.06 37.76	03900	31.72 31.47
04000	44.41 44.06	04000	38.06 37.76	04000	31.72 31.47
04100	44.41 44.06	04100	38.06 37.76	04100	31.72 31.47
04200	44.41 44.06	04200	38.06 37.76	04200	31.72 31.47
04300	44.41 44.06	04300	38.06 37.76	04300	31.72 31.47
04400	44.41 44.06	04400	38.06 37.76	04400	31.72 31.47
04500	44.41 44.06	04500	38.06 37.76	04500	31.72 31.47
04600	44.41 44.06	04600	38.06 37.76	04600	31.72 31.47
		04650	38.06 37.76	04650	31.72 31.47
04700	44.41 44.06	04700	38.06 37.76	04700	31.72 31.47
04800	44.41 44.06	04800	38.06 37.76	04800	31.72 31.47
04900	44.41 44.06	04900	38.06 37.76	04900	31.72 31.47
05000	44.41 44.06	05000	38.06 37.76	05000	31.72 31.47
05100	44.41 44.06	05100	38.06 37.76	05100	31.72 31.47
05200	44.41 44.06	05200	38.06 37.76	05200	31.72 31.47
05300	44.41 44.06	05300	38.06 37.76	05300	31.72 31.47
05400	44.41 44.06	05400	38.06 37.76	05400	31.72 31.47
05500	44.41 44.06	05500	38.06 37.76	05500	31.72 31.47
		05550	38.06 37.76	05550	31.72 31.47
05600	44.41 44.06	05600	38.06 37.76	05600	31.72 31.47
		05650	38.06 37.76	05650	31.72 31.47
05700	44.41 44.06	05700	38.06 37.76	05700	31.72 31.47
05800	44.41 44.06	05800	38.06 37.76	05800	31.72 31.47
05900	44.41 44.06	05900	38.06 37.76	05900	31.72 31.47
06000	44.41 44.06	06000	38.06 37.76	06000	31.72 31.47
06100	51.03 50.35	06100	43.13 43.01	06100	31.72 31.47
06200	51.03 50.35	06200	43.13 43.01	06200	31.72 31.47
06300	51.03 50.35	06300	43.13 43.01	06300	31.72 31.47
06400	51.03 50.35	06400	43.13 43.01	06400	31.72 31.47
06500	51.03 50.35	06500	43.13 43.01	06500	31.72 31.47
06600	51.03 50.35	06600	43.13 43.01	06600	31.72 31.47
06700	51.03 50.35	06700	43.13 43.01	06700	31.72 31.47
06800	51.03 50.35	06800	43.13 43.01	06800	31.72 31.47
06900	51.03 50.35	06900	43.13 43.01	06900	31.72 31.47
07000	51.03 50.35	07000	43.13 43.01	07000	31.72 31.47
07100	51.03 50.35	07100	43.13 43.01	07100	31.72 31.47
07200	51.03 50.35	07200	43.13 43.01	07200	31.72 31.47
07300	51.03 50.35	07300	43.13 43.01	07300	31.72 31.47
07400	51.03 50.35	07400	43.13 43.01	07400	31.72 31.47
07450	51.03 50.35				
07500	51.03 50.35	07500	43.13 43.01	07500	31.72 31.47
07550	51.03 50.35	07550	43.13 43.01	07550	31.72 31.47
07600	51.03 50.35	07600	43.13 43.01	07600	31.72 31.47
		07650	43.13 43.01	07650	31.72 31.47
07700	51.03 50.35	07700	43.13 43.01	07700	31.72 31.47
07800	51.03 50.35	07800	43.13 43.01	07800	31.72 31.47
07900	51.03 50.35	07900	43.13 43.01	07900	31.72 31.47
08000	51.03 50.35	08000	43.13 43.01	08000	31.72 31.47
08100	58.35 57.70	08100	49.48 49.30	08100	34.25 33.57
08200	58.35 57.70	08200	49.48 49.30	08200	34.25 33.57
08300	58.35 57.70	08300	49.48 49.30	08300	34.25 33.57

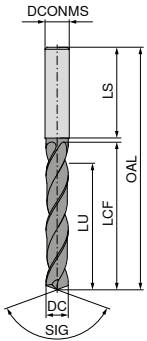
P	○	●	●
M	●	●	
K		●	●
N	●	○	
S	○		
H			
O	○		



Technical support: 0800 073 2 075
3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



High Performance Drill, DIN 6537



VA

TiAIN

≤ 5xD

DIN 6537

SIG 140°

WNT \ Standard

UKS

TiAIN

≤ 5xD

DIN 6537

SIG 140°

WNT \ Standard

UKS

TiAIN

≤ 5xD

DIN 6537

SIG 140°

WNT \ Standard

DC _{h7/m7}	DCONMS _{h6}	OAL	LCF	LU	LS
mm	mm	mm	mm	mm	mm
8.40	10	103	61	48.4	40
8.50	10	103	61	48.2	40
8.60	10	103	61	48.1	40
8.70	10	103	61	47.9	40
8.80	10	103	61	47.8	40
8.90	10	103	61	47.6	40
9.00	10	103	61	47.5	40
9.10	10	103	61	47.3	40
9.20	10	103	61	47.2	40
9.30	10	103	61	47.0	40
9.40	10	103	61	46.9	40
9.50	10	103	61	46.7	40
9.55	10	103	61	46.6	40
9.60	10	103	61	46.6	40
9.70	10	103	61	46.4	40
9.80	10	103	61	46.3	40
9.90	10	103	61	46.1	40
10.00	10	103	61	46.0	40
10.10	12	118	71	55.8	45
10.20	12	118	71	55.7	45
10.30	12	118	71	55.5	45
10.40	12	118	71	55.4	45
10.50	12	118	71	55.2	45
10.60	12	118	71	55.1	45
10.70	12	118	71	54.9	45
10.80	12	118	71	54.8	45
10.90	12	118	71	54.6	45
11.00	12	118	71	54.5	45
11.10	12	118	71	54.3	45
11.20	12	118	71	54.2	45
11.30	12	118	71	54.0	45
11.40	12	118	71	53.9	45
11.50	12	118	71	53.7	45
11.60	12	118	71	53.6	45
11.70	12	118	71	53.4	45
11.80	12	118	71	53.3	45
11.90	12	118	71	53.1	45
12.00	12	118	71	53.0	45
12.10	14	124	77	58.8	45
12.20	14	124	77	58.7	45
12.40	14	124	77	58.4	45
12.50	14	124	77	58.2	45
12.60	14	124	77	58.1	45
12.70	14	124	77	57.9	45
12.80	14	124	77	57.8	45
13.00	14	124	77	57.5	45
13.10	14	124	77	57.3	45
13.20	14	124	77	57.2	45
13.30	14	124	77	57.0	45
13.50	14	124	77	56.7	45
13.70	14	124	77	56.4	45
13.80	14	124	77	56.3	45
14.00	14	124	77	56.0	45
14.20	16	133	83	61.7	48
14.30	16	133	83	61.5	48
14.40	16	133	83	61.4	48
14.50	16	133	83	61.2	48
14.70	16	133	83	60.9	48
14.80	16	133	83	60.8	48
15.00	16	133	83	60.5	48
15.10	16	133	83	60.3	48
15.20	16	133	83	60.2	48
15.25	16	133	83	60.1	48
15.30	16	133	83	60.0	48
15.50	16	133	83	59.7	48
15.70	16	133	83	59.4	48
15.80	16	133	83	59.3	48
16.00	16	133	83	59.0	48
16.20	18	143	93	68.7	48
16.30	18	143	93	68.5	48
16.50	18	143	93	68.2	48
16.80	18	143	93	67.8	48
17.00	18	143	93	67.5	48
17.30	18	143	93	67.0	48
17.50	18	143	93	66.7	48
18.00	18	143	93	66.0	48
18.50	20	153	101	73.2	50
18.90	20	153	101	72.6	50
19.00	20	153	101	72.5	50
19.20	20	153	101	72.2	50
19.30	20	153	101	72.0	50
19.50	20	153	101	71.7	50
19.70	20	153	101	71.4	50
20.00	20	153	101	71.0	50

11 715 ...	PG T1/9C	11 702 ...	PG T1/9C	11 710 ...	PG T1/9C
£	£	£	£	£	£
08400	58.35 57.70	08400	49.48 49.30	08400	34.25 33.57
08500	58.35 57.70	08500	49.48 49.30	08500	34.25 33.57
08600	58.35 57.70	08600	49.48 49.30	08600	34.25 33.57
08700	58.35 57.70	08700	49.48 49.30	08700	34.25 33.57
08800	58.35 57.70	08800	49.48 49.30	08800	34.25 33.57
08900	58.35 57.70	08900	49.48 49.30	08900	34.25 33.57
09000	58.35 57.70	09000	49.48 49.30	09000	34.25 33.57
09100	58.35 57.70	09100	49.48 49.30	09100	34.25 33.57
09200	58.35 57.70	09200	49.48 49.30	09200	34.25 33.57
09300	58.35 57.70	09300	49.48 49.30	09300	34.25 33.57
09400	58.35 57.70	09400	49.48 49.30	09400	34.25 33.57
09500	58.35 57.70	09500	49.48 49.30	09500	34.25 33.57
09550	58.35 57.70	09550	49.48 49.30		
09600	58.35 57.70	09600	49.48 49.30	09600	34.25 33.57
09700	58.35 57.70	09700	49.48 49.30	09700	34.25 33.57
09800	58.35 57.70	09800	49.48 49.30	09800	34.25 33.57
09900	58.35 57.70	09900	49.48 49.30	09900	34.25 33.57
10000	58.35 57.70	10000	49.48 49.30	10000	34.25 33.57
10100	86.02 86.02	10100	73.58 73.43	10100	52.02 51.40
10200	86.02 86.02	10200	73.58 73.43	10200	52.02 51.40
10300	86.02 86.02	10300	73.58 73.43	10300	52.02 51.40
10400	86.02 86.02	10400	73.58 73.43	10400	52.02 51.40
10500	86.02 86.02	10500	73.58 73.43	10500	52.02 51.40
10600	86.02 86.02	10600	73.58 73.43	10600	52.02 51.40
10700	86.02 86.02	10700	73.58 73.43	10700	52.02 51.40
10800	86.02 86.02	10800	73.58 73.43	10800	52.02 51.40
10900	86.02 86.02	10900	73.58 73.43	10900	52.02 51.40
11000	86.02 86.02	11000	73.58 73.43	11000	52.02 51.40
11100	86.02 86.02	11100	73.58 73.43	11100	52.02 51.40
11200	86.02 86.02	11200	73.58 73.43	11200	52.02 51.40
11300	86.02 86.02	11300	73.58 73.43	11300	52.02 51.40
11400	86.02 86.02	11400	73.58 73.43	11400	52.02 51.40
11500	86.02 86.02	11500	73.58 73.43	11500	52.02 51.40
11600	86.02 86.02	11600	73.58 73.43	11600	52.02 51.40
11700	86.02 86.02	11700	73.58 73.43	11700	52.02 51.40
11800	86.02 86.02	11800	73.58 73.43	11800	52.02 51.40
11900	86.02 86.02	11900	73.58 73.43	11900	52.02 51.40
12000	86.02 86.02	12000	73.58 73.43	12000	52.02 51.40
12100	110.15 110.15	12100	93.99 93.36	12100	68.51 68.19
12200	110.15 110.15	12200	93.99 93.36	12200	68.51 68.19
12400	110.15 110.15	12400	93.99 93.36		
12500	110.15 110.15	12500	93.99 93.36	12500	68.51 68.19
12600	110.15 110.15	12600	93.99 93.36		
12700	110.15 110.15	12700	100.40 92.14	12700	75.77 64.41
12800	110.15 110.15	12800	93.99 93.36	12800	68.51 68.19
13000	110.15 110.15	13000	93.99 93.36	13000	68.51 68.19
13100	110.15 110.15	13100	93.99 93.36		
13200	110.15 110.15	13200	93.99 93.36	13200	68.51 68.19
13300	110.15 110.15	13300	93.99 93.36		
13500	110.15 110.15	13500	93.99 93.36	13500	68.51 68.19
13700	110.15 110.15				
13800	110.15 110.15	13800	93.99 93.36	13800	68.51 68.19
14000	110.15 110.15	14000	93.99 93.36	14000	68.51 68.19
14200	141.62 141.62	14200	120.52 119.59	14200	88.81 88.12
14300	141.62 141.62	14300	120.52 119.59		
14400	141.62 141.62	14400	120.52 119.59	14400	88.81 88.12
14500	141.62 141.62	14500	120.52 119.59	14500	88.81 88.12
14700	141.62 141.62				
14800	141.62 141.62	14800	120.52 119.59	14800	88.81 88.12
15000	141.62 141.62	15000	120.52 119.59	15000	88.81 88.12
15100	141.62 141.62	15100	120.52 119.59		
15200	141.62 141.62	15200	120.52 119.59	15200	88.81 88.12
		15250	120.52 119.59		
15300	141.62 141.62	15300	120.52 119.59		
15500	141.62 141.62	15500	120.52 119.59	15500	88.81 88.12
15700	141.62 141.62				
15800	141.62 141.62	15800	120.52 119.59	15800	88.81 88.12
16000	141.62 141.62	16000	120.52 119.59	16000	88.81 88.12
16200	219.24 219.24	16200	185.22 184.62		
16300	219.24 219.24	16300	185.22 184.62		
16500	219.24 219.24	16500	185.22 184.62	16500	144.64 143.71
16800	219.24 219.24	16800	185.22 184.62		
17000	219.24 219.24	17000	185.22 184.62	17000	144.64 143.71
17300	219.24 219.24	17300	185.22 184.62		
17500	219.24 219.24	17500	185.22 184.62	17500	144.64 143.71
18000	219.24 219.24	18000	185.22 184.62	18000	144.64 143.71
18500	238.12 238.12	18500	201.71 201.41	18500	154.78 154.20
18900	238.12 238.12	18900	201.71 201.41	18900	154.78 154.20
19000	238.12 238.12	19000	201.71 201.41	19000	154.78

High Performance Drill, factory standard

UKS

UNI

TiAIN

≤ 8xD

DIN 6537

SIG 135°

UKS

UNI

TiAIN

≤ 12xD

DIN 6537

SIG 135°

WNT \ Standard

WNT \ Standard

DC _{h7}	11 704 ... PG T1/9C		11 705 ... PG T1/9C	
	£	£	£	£
3.0	74.86	74.48	100.22	99.66
3.1	74.86	74.48	100.22	99.66
3.2	74.86	74.48	100.22	99.66
3.3	74.86	74.48	100.22	99.66
3.4	74.86	74.48	100.22	99.66
3.5	74.86	74.48	100.22	99.66
3.6	74.86	74.48	100.22	99.66
3.7	74.86	74.48	100.22	99.66
3.8	74.86	74.48	100.22	99.66
3.9	74.86	74.48	100.22	99.66
4.0	74.86	74.48	100.22	99.66
4.1	74.86	74.48	100.22	99.66
4.2	74.86	74.48	100.22	99.66
4.3	74.86	74.48	100.22	99.66
4.4	74.86	74.48	100.22	99.66
4.5	74.86	74.48	100.22	99.66
4.6	74.86	74.48	100.22	99.66
4.7	74.86	74.48	100.22	99.66
4.8	74.86	74.48	100.22	99.66
4.9	74.86	74.48	100.22	99.66
5.0	74.86	74.48	100.22	99.66
5.1	74.86	74.48	100.22	99.66
5.2	74.86	74.48	100.22	99.66
5.3	74.86	74.48	100.22	99.66
5.4	74.86	74.48	100.22	99.66
5.5	74.86	74.48	100.22	99.66
5.6	74.86	74.48	100.22	99.66
5.7	74.86	74.48	100.22	99.66
5.8	74.86	74.48	100.22	99.66
5.9	74.86	74.48	100.22	99.66
6.0	74.86	74.48	100.22	99.66
6.1	92.62	92.31	111.19	111.19
6.2	92.62	92.31	111.19	111.19
6.3	92.62	92.31	111.19	111.19
6.4	92.62	92.31	111.19	111.19
6.5	92.62	92.31	111.19	111.19
6.6	92.62	92.31	111.19	111.19
6.7	92.62	92.31	111.19	111.19
6.8	92.62	92.31	111.19	111.19
6.9	92.62	92.31	111.19	111.19
7.0	92.62	92.31	111.19	111.19
7.1	92.62	92.31	111.19	111.19
7.2	92.62	92.31	111.19	111.19
7.3	92.62	92.31	111.19	111.19
7.4	92.62	92.31	111.19	111.19
7.5	92.62	92.31	111.19	111.19
7.6	92.62	92.31	111.19	111.19
7.7	92.62	92.31	111.19	111.19
7.8	92.62	92.31	111.19	111.19
7.9	92.62	92.31	111.19	111.19
8.0	92.62	92.31	111.19	111.19
8.1	112.24	112.24	155.25	155.25
8.2	112.24	112.24	155.25	155.25
8.3	112.24	112.24	155.25	155.25
8.4	112.24	112.24	155.25	155.25
8.5	112.24	112.24	155.25	155.25
8.6	112.24	112.24	155.25	155.25
8.7	112.24	112.24	155.25	155.25
8.8	112.24	112.24	155.25	155.25
8.9	112.24	112.24	155.25	155.25
9.0	112.24	112.24	155.25	155.25
9.1	112.24	112.24	155.25	155.25
9.2	112.24	112.24	155.25	155.25
9.3	112.24	112.24	155.25	155.25
9.4	112.24	112.24	155.25	155.25
9.5	112.24	112.24	155.25	155.25
9.6	112.24	112.24	155.25	155.25
9.7	112.24	112.24	155.25	155.25
9.8	112.24	112.24	155.25	155.25
9.9	112.24	112.24	155.25	155.25
10.0	112.24	112.24	155.25	155.25
10.2	150.01	150.01	215.05	215.05
10.5	150.01	150.01	215.05	215.05
10.8	150.01	150.01	215.05	215.05
11.0	150.01	150.01	215.05	215.05
11.5	150.01	150.01	215.05	215.05
11.8	150.01	150.01	215.05	215.05
12.0	150.01	150.01	215.05	215.05
12.2	225.54	225.54	277.84	276.94
12.5	225.54	225.54	277.84	276.94
12.7	225.54	225.54	277.84	276.94
12.8	225.54	225.54	277.84	276.94
13.0	225.54	225.54	277.84	276.94
13.5	225.54	225.54	277.84	276.94
13.8	225.54	225.54	277.84	276.94
14.0	225.54	225.54	277.84	276.94
14.5	294.77	294.77	366.10	366.10
14.8	294.77	294.77	366.10	366.10
15.0	294.77	294.77	366.10	366.10
15.5	294.77	294.77	366.10	366.10
15.8	294.77	294.77	366.10	366.10
16.0	294.77	294.77	366.10	366.10
16.5	381.84	381.84	437.43	437.43
17.0	381.84	381.84	437.43	437.43
17.5	381.84	381.84	437.43	437.43
18.0	381.84	381.84	437.43	437.43
18.5	424.85	424.85	437.43	437.43
19.0	424.85	424.85	437.43	437.43
19.5	424.85	424.85	437.43	437.43
20.0	424.85	424.85	437.43	437.43
P	•	•	•	•
M	•	•	•	•
K	•	•	•	•
N	•	•	•	•
S	•	•	•	•
H	•	•	•	•
O	•	•	•	•

NC Spot Drill, factory standard

UKS

NC-A

TiAIN

≤ 12xD

DIN 6537

SIG 142°

UKS

NC-A

TiAIN

≤ 12xD

DIN 6537

SIG 142°

WNT \ Standard

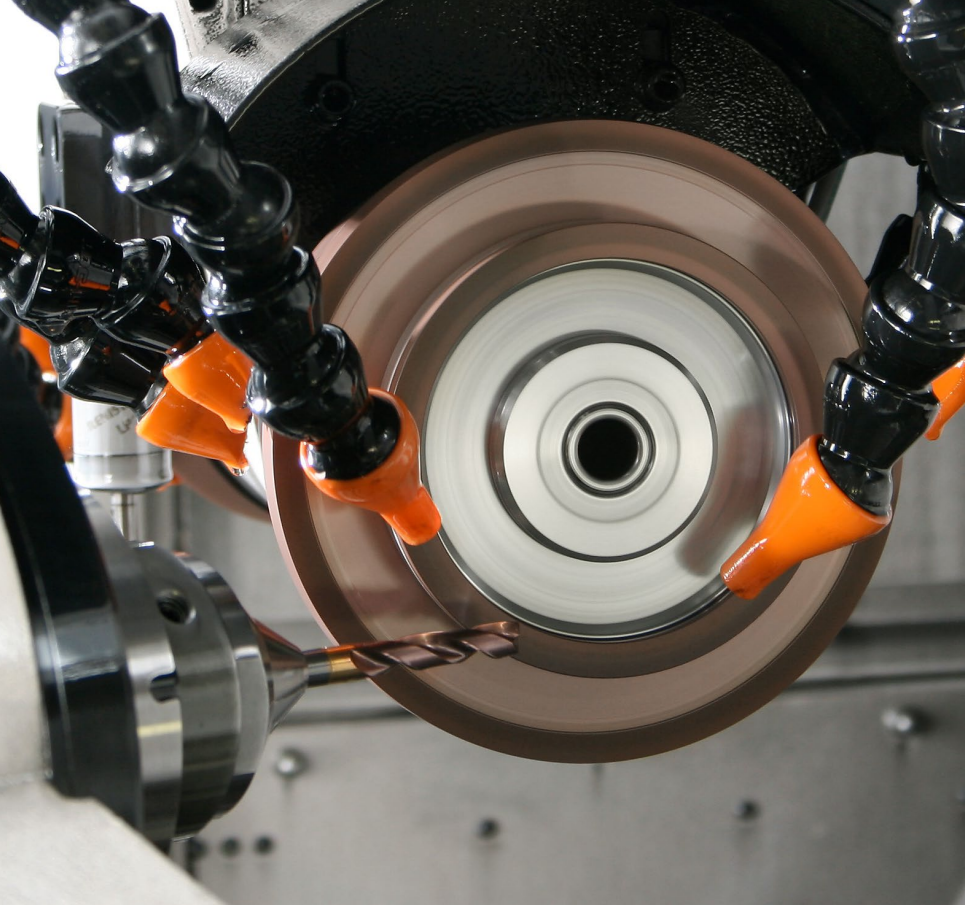
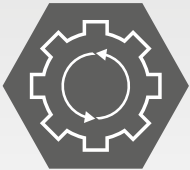
WNT \ Standard

DC _{h8}	OAL	LCF	10 704 ... PG T3	
			£	£
2	32	6	20.34	20.52
3	32	8	20.34	20.52
4	40	10	22.98	16.09
5	50	13	26.48	18.48
6	50	13	26.48	20.62
8	60	23	45.26	31.69
10	70	24	63.47	44.44
12	70	24	63.47	64.09
14	75	26	105.29	73.69
16	75	29	153.66	107.56
18	100	35	208.03	208.63
20	100	35	250.29	175.14
P			•	•
M			•	•
K			•	•
N			•	•
S			•	•
H			•	•
O			•	•

New for old

Regind instead of buying new

Your used precision tool is in the best possible hands with us. We return your tool to you with the original finish, coating and geometry – as good as new and ready for use back in the machine.

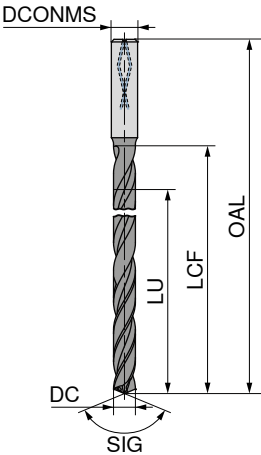


WTX – High performance deep hole drills

- ▲ Pilot hole necessary
- ▲ Excellent alignment precision
- ▲ Secure chip evacuation



WNT \ Performance



DC _{H7} mm	11 016 ... PG T7/9G		11 017 ... PG T7/9G		11 020 ... PG T7/9G		11 021 ... PG T7/9G	
	£	£	£	£	£	£	£	£
2.0	133.60	133.22	133.60	133.22	144.35	140.57	144.35	140.57
2.2	133.60	133.22	133.60	133.22	136.57	136.37	144.35	140.57
2.3	133.60	133.22	133.60	133.22	144.35	140.57	144.35	140.57
2.4	149.14	148.96	149.14	148.96	153.00	152.11	158.44	158.40
2.5	149.14	148.96	149.14	148.96	158.44	158.40	158.44	158.40
2.7	149.14	148.96	149.14	148.96	153.00	152.11	158.44	158.40
2.8	149.14	148.96	149.14	148.96	158.44	158.40	158.44	158.40
3.0	189.54	188.82	189.54	188.82	204.14	203.51	244.27	210.85
3.2	189.54	188.82	189.54	188.82	244.27	210.85	244.27	210.85
3.3	189.54	188.82	189.54	188.82	204.14	203.51	244.27	210.85
3.5	189.54	188.82	189.54	188.82	244.27	210.85	244.27	210.85
3.8	197.30	197.21	197.30	197.21	213.11	212.95	230.56	220.29
4.0	197.30	197.21	197.30	197.21	220.56	220.29	230.56	220.29
4.2	242.82	211.90	242.82	211.90	228.42	227.63	236.42	236.03
4.5	242.82	211.90	242.82	211.90	236.42	236.03	236.42	236.03
4.8	225.23	224.49	225.23	224.49	244.63	241.27	250.40	249.66
5.0	225.23	224.49	225.23	224.49	250.40	249.66	250.40	249.66
5.5	234.56	233.93	234.56	233.93	252.45	251.76	260.09	260.15
5.8	234.56	233.93	234.56	233.93	260.09	260.15	260.09	260.15
6.0	234.56	233.93	234.56	233.93	260.09	260.15	260.09	260.15
6.5	250.40	249.66	250.40	249.66	270.07	277.99	270.07	277.99
6.8	268.75	268.54	268.75	268.54	260.84	298.97	290.84	298.97
7.0	268.75	268.54	268.75	268.54	290.84	298.97	290.84	298.97
7.5	304.37	301.06	304.37	301.06	333.08	333.58	333.08	333.58
7.8	304.37	301.06	304.37	301.06	333.08	333.58	333.08	333.58
8.0	304.37	301.06	304.37	301.06	333.08	333.58	333.08	333.58
8.5	332.42	331.48	332.42	331.48	368.45	367.15	368.45	367.15
8.8	369.72	369.25	369.72	369.25	413.24	412.26	413.24	412.26
9.0	369.72	369.25	369.72	369.25	413.24	412.26	413.24	412.26
9.8	369.72	369.25	369.72	369.25	413.24	412.26	413.24	412.26
10.0	369.72	369.25	369.72	369.25	413.24	412.26	413.24	412.26
10.2	413.24	412.26	413.24	412.26	453.60	453.17	453.60	453.17
10.8	413.24	412.26	413.24	412.26	453.60	453.17	453.60	453.17
11.8	413.24	412.26	413.24	412.26	453.60	453.17	453.60	453.17
12.0	413.24	412.26	413.24	412.26	453.60	453.17	453.60	453.17
P	●		●		●		●	
M	●		●		●		●	
K	●		●		●		●	
N			●				●	
S	○				○			
H								
O								



Customer Service Centre
Freephone: 0800 073 2 073
Email: info.uk@ceratizit.com



Ordering via the Online Shop
<http://cuttingtools.ceratizit.com>

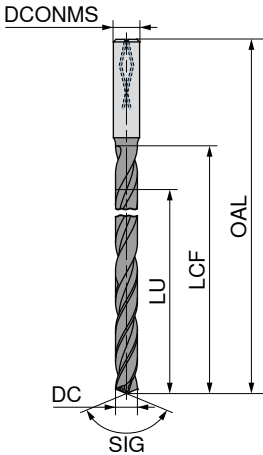


WTX – High performance deep hole drills

- ▲ Pilot hole necessary
- ▲ Excellent alignment precision
- ▲ Secure chip evacuation



WNT \ Performance



TB 25
UNI

TiAlN

≤ 25xD

SIG 135°
Solid carbide

TB 25
ALU

DLC

≤ 25xD

SIG 135°
Solid carbide

TB 30
UNI

TiAlN

≤ 30xD

SIG 135°
Solid carbide

TB 30
ALU

DLC

≤ 30xD

SIG 135°
Solid carbide

TB 40
UNI

TiAlN

≤ 40xD

SIG 135°
Solid carbide

TB 50
UNI

TiAlN

≤ 50xD

SIG 135°
Solid carbide

DC mm	11 025 ... PG T7/9G		11 026 ... PG T7/9G		11 030 ... PG T7/9G		11 031 ... PG T7/9G		11 040 ... PG T7/9G		11 050 ... PG T7/9G	
	£	£	£	£	£	£	£	£	£	£	£	£
2.0	020	150.00 150.01	020	150.00 150.01	020	150.00 159.45	020	150.00 159.45				
2.2	022	150.00 150.01	022	150.00 150.01	022	150.00 159.45	022	150.00 159.45				
2.3	023	150.00 150.01	023	150.00 150.01	023	150.00 159.45	023	150.00 159.45				
2.4	024	170.87 169.94	024	170.87 169.94	024	186.42 185.67	024	186.42 185.67				
2.5	025	170.87 169.94	025	170.87 169.94	025	186.42 185.67	025	186.42 185.67				
2.7	027	170.87 169.94	027	170.87 169.94	027	186.42 185.67	027	186.42 185.67				
2.8	028	170.87 169.94	028	170.87 169.94	028	186.42 185.67	028	186.42 185.67				
3.0	030	245.42 244.42	030	245.42 244.42	030	313.00 313.65	030	313.00 313.65	030	398.21 398.62	030	542.15 541.28
3.2	032	245.42 244.42	032	245.42 244.42	032	313.00 313.65	032	313.00 313.65				
3.3	033	271.69 271.69	033	270.31 269.59	033	323.12 323.09	033	323.12 323.09				
3.5	035	271.69 271.69	035	270.31 269.59	035	323.12 323.09	035	323.12 323.09				
3.8	038	270.61 279.03	038	270.61 279.03	038	323.12 323.09	038	323.12 323.09				
4.0	040	270.61 279.03	040	270.61 279.03	040	323.12 323.09	040	323.12 323.09	040	398.21 398.62	040	542.15 541.28
4.2	042	270.61 279.03	042	270.61 279.03	042	323.12 323.09	042	323.12 323.09	042	441.18 440.58	042	602.70 602.13
4.5	045	292.04 291.62	045	292.04 291.62	045	331.48 331.48	045	331.48 331.48	045	441.18 440.58	045	602.70 602.13
4.8	048	292.04 291.62	048	292.04 291.62	048	331.48 331.48	048	331.48 331.48	048	470.60 469.95	048	680.39 679.75
5.0	050	292.04 291.62	050	292.04 291.62	050	331.48 331.48	050	331.48 331.48	050	470.60 469.95	050	680.39 679.75
5.5	055	313.65 313.65	055	313.65 313.65	055	347.22 347.22	055	347.22 347.22	055	506.42 505.62	055	765.83 765.77
5.8	058	313.65 313.65	058	313.65 313.65	058	347.22 347.22	058	347.22 347.22	058	506.42 505.62	058	776.71 776.26
6.0	060	313.65 313.65	060	313.65 313.65	060	347.22 347.22	060	347.22 347.22	060	506.42 505.62	060	776.71 776.26
6.5	065	349.32 349.32	065	349.32 349.32	065	381.84 381.84	065	381.84 381.84	065	545.25 544.43	065	863.70 863.33
6.8	068	349.32 349.32	068	349.32 349.32	068	398.62 398.62	068	398.62 398.62	068	545.25 544.43	068	935.71 935.71
7.0	070	349.32 349.32	070	349.32 349.32	070	398.62 398.62	070	398.62 398.62	070	545.25 544.43		
7.5	075	388.13 388.13	075	388.13 388.13	075	398.62 398.62	075	398.62 398.62	075	605.80 605.27		
7.8	078	388.13 388.13	078	388.13 388.13	078	443.73 443.73	078	443.73 443.73	078	605.80 605.27		
8.0	080	388.13 388.13	080	388.13 388.13	080	443.73 443.73	080	443.73 443.73	080	605.80 605.27		
8.5	085	437.43 437.43	085	437.43 437.43	085	511.91 511.91	085	511.91 511.91	085	667.16 667.16		
8.8	088	475.20 475.20	088	475.20 475.20	088	538.14 538.14	088	538.14 538.14	088	667.16 667.16		
9.0	090	475.20 475.20	090	475.20 475.20	090	538.14 538.14	090	538.14 538.14	090	667.16 667.16		
9.8	098	475.20 475.20	098	475.20 475.20	098	538.14 538.14	098	538.14 538.14				
10.0	100	475.20 475.20	100	475.20 475.20	100	538.14 538.14	100	538.14 538.14				
10.2	102	571.66 570.66	102	571.66 570.66	102	688.14 688.14	102	688.14 688.14				
10.8	108	571.66 570.66	108	571.66 570.66	108	688.14 688.14	108	688.14 688.14				
11.8	118	571.66 570.66	118	571.66 570.66	118	688.14 688.14	118	688.14 688.14				
12.0	120	571.66 570.66	120	571.66 570.66	120	688.14 688.14	120	688.14 688.14				
P	●		●		●		●		●		●	
M	●		●		●		●		●		●	
K	●		●		●		●		●		●	
N		●				●						
S	○				○				○		○	
H												
O												



Technical support: 0800 073 2 075
3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



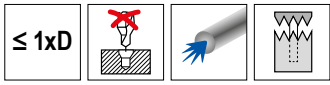
Order by 6:00 pm and get your
guaranteed free express delivery



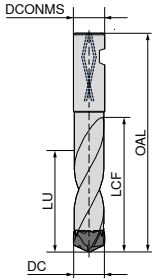
When you see this logo it's
in stock in Sheffield

WTX – Holder for Exchangeable drills

▲ with radial teeth



WNT \ Performance

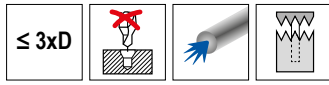


DC mm	DCONMS _{h6} mm	OAL mm	LCF mm	LU mm
12,00 - 12,49	14	81	29	12.5
12,50 - 12,99	14	81	29	13.0
13,00 - 13,49	14	81	31	13.5
13,50 - 13,99	16	86	32	14.0
14,00 - 14,49	16	86	33	14.5
14,50 - 14,99	16	91	34	15.0
15,00 - 15,49	16	91	36	15.5
15,50 - 16,49	20	97	38	16.5
15,50 - 16,49	18	92	38	16.5
16,50 - 17,49	20	99	40	17.5
16,50 - 17,49	18	94	40	17.5
17,50 - 18,49	20	104	43	18.5
17,50 - 18,49	18	99	43	18.5
18,50 - 19,49	20	99	45	19.5
19,50 - 20,49	20	104	47	20.5
20,50 - 21,49	25	111	49	21.5
21,50 - 22,49	25	116	52	22.5
22,50 - 23,49	25	116	54	23.5
23,50 - 24,49	25	121	56	24.5
24,50 - 25,49	25	123	59	25.5
25,50 - 26,49	25	123	61	26.5
26,50 - 27,49	25	128	63	27.5
27,50 - 28,49	25	128	66	28.5
28,50 - 29,49	32	134	68	29.5
29,50 - 30,49	32	139	70	30.5
30,50 - 31,49	32	139	75	31.5
31,50 - 32,49	32	139	75	32.5
32,50 - 33,49	32	150	78	33.5
33,50 - 34,49	32	150	79	34.5
34,50 - 35,49	32	150	82	35.5
35,50 - 37,49	32	152	86	37.5
37,50 - 39,49	32	157	91	39.5
39,50 - 41,00	32	167	95	41.5

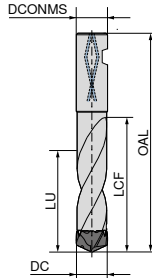
10 911 ...	PG	W1
	£	£
120	313.19	181.48
125	313.19	181.48
130	313.19	181.48
135	313.19	181.48
140	313.19	181.48
145	313.19	181.48
150	313.19	181.48
161	323.59	187.77
160	323.59	187.77
166	323.59	187.77
165	323.59	187.77
176	323.59	187.77
175	323.59	187.77
185	382.42	221.34
195	382.42	221.34
205	423.94	245.47
215	423.94	245.47
225	463.77	268.54
235	463.77	268.54
245	503.54	291.62
255	503.54	291.62
265	503.54	291.62
275	503.54	291.62
285	584.87	338.83
295	584.87	338.83
305	645.44	373.44
315	645.44	373.44
325	695.62	402.82
335	695.62	402.82
345	695.62	402.82
355	801.17	463.66
375	830.64	480.44
395	854.37	493.03

WTX – Holder for Exchangeable drills

▲ with radial teeth



WNT \ Performance

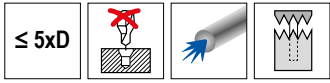


DC mm	DCONMS _{h6} mm	OAL mm	LCF mm	LU mm
12,00 - 12,49	14	100	53	38.0
12,50 - 12,99	14	105	55	39.0
13,00 - 13,49	14	105	57	40.0
13,50 - 13,99	16	110	59	42.0
14,00 - 14,49	16	115	61	43.0
14,50 - 14,99	16	115	63	45.0
15,00 - 15,49	16	115	65	46.0
15,50 - 16,49	20	125	70	50.0
15,50 - 16,49	18	120	70	50.0
16,50 - 17,49	20	130	74	50.0
16,50 - 17,49	18	125	74	53.0
17,50 - 18,49	20	135	78	50.0
17,50 - 18,49	18	130	78	55.0
18,50 - 19,49	20	135	82	58.0
19,50 - 20,49	20	140	87	62.0
20,50 - 21,49	25	150	91	65.0
21,50 - 22,49	25	155	95	67.0
22,50 - 23,49	25	160	99	70.0
23,50 - 24,49	25	165	103	73.0
24,50 - 25,49	25	165	108	77.0
25,50 - 26,49	25	175	112	80.0
26,50 - 27,49	25	175	116	82.0
27,50 - 28,49	25	180	120	85.0
28,50 - 29,49	32	190	124	88.0
29,50 - 30,49	32	195	129	92.0
30,50 - 31,49	32	195	133	94.0
31,50 - 32,49	32	200	137	97.0
32,50 - 33,49	32	210	144	100.5
33,50 - 34,49	32	215	148	103.5
34,50 - 35,49	32	220	153	106.5
35,50 - 37,49	32	227	161	112.5
37,50 - 39,49	32	237	170	118.5
39,50 - 41,00	32	247	178	124.5

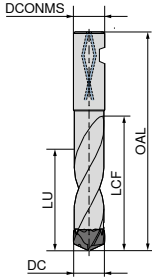
10 913 ...	PG	W1
	£	£
120	354.12	204.56
125	354.12	204.56
130	354.12	204.56
135	354.12	204.56
140	354.12	204.56
145	354.12	204.56
150	354.12	204.56
161	345.43	200.36
160	345.43	200.36
166	345.43	200.36
165	345.43	200.36
176	345.43	200.36
175	345.43	200.36
185	408.59	236.03
195	408.59	236.03
205	451.08	261.20
215	451.08	261.20
225	493.84	285.33
235	493.84	285.33
245	536.37	310.50
255	536.37	310.50
265	536.37	310.50
275	536.37	310.50
285	621.74	359.81
295	621.74	359.81
305	686.76	397.57
315	686.76	397.57
325	800.83	468.90
335	800.83	468.90
345	800.83	468.90
355	930.96	539.19
375	965.58	559.12
395	989.89	572.75

WTX – Holder for Exchangeable drills

▲ with radial teeth



WNT \ Performance



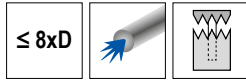
DC mm	DCONMS _{h6} mm	OAL mm	LCF mm	LU mm
12,00 - 12,49	14	125	78	62.0
12,50 - 12,99	14	130	81	65.0
13,00 - 13,49	14	130	84	67.0
13,50 - 13,99	16	140	88	70.0
14,00 - 14,49	16	140	90	72.0
14,50 - 14,99	16	145	94	75.0
15,00 - 15,49	16	145	96	77.0
15,50 - 16,49	20	160	103	82.0
15,50 - 16,49	18	155	103	82.0
16,50 - 17,49	20	165	109	87.0
16,50 - 17,49	18	160	109	87.0
17,50 - 18,49	20	170	115	92.0
17,50 - 18,49	18	165	115	92.0
18,50 - 19,49	20	175	121	97.0
19,50 - 20,49	20	180	128	102.0
20,50 - 21,49	25	195	134	107.0
21,50 - 22,49	25	200	140	112.0
22,50 - 23,49	25	205	146	117.0
23,50 - 24,49	25	210	152	122.0
24,50 - 25,49	25	220	159	127.0
25,50 - 26,49	25	225	165	132.0
26,50 - 27,49	25	230	171	137.0
27,50 - 28,49	25	240	177	142.0
28,50 - 29,49	32	250	183	146.0
29,50 - 30,49	32	255	190	152.0
30,50 - 31,49	32	260	196	157.0
31,50 - 32,49	32	265	202	162.0
32,50 - 33,49	32	275	210	167.5
33,50 - 34,49	32	285	217	172.5
34,50 - 35,49	32	290	224	177.5
35,50 - 37,49	32	302	236	187.5
37,50 - 39,49	32	317	249	197.5
39,50 - 41,00	32	327	261	207.5

10 915 ...	PG	W1
	£	£
120	398.64	230.78
125	398.64	230.78
130	398.64	230.78
135	398.64	230.78
140	398.64	230.78
145	398.64	230.78
150	398.64	230.78
161	408.59	236.03
160	408.59	236.03
166	408.59	236.03
165	408.59	236.03
176	408.59	236.03
175	408.59	236.03
185	473.54	273.79
195	473.54	273.79
205	514.16	297.92
215	514.16	297.92
225	558.84	323.09
235	558.84	323.09
245	601.43	348.27
255	601.43	348.27
265	601.43	348.27
275	601.43	348.27
285	686.76	397.57
295	686.76	397.57
305	749.81	434.29
315	749.81	434.29
325	815.38	529.75
335	815.38	529.75
345	815.38	529.75
355	1020.57	595.83
375	1067.68	617.86
395	1091.86	631.50

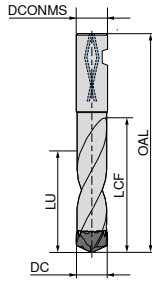
WTX – Holder for Exchangeable drills

▲ Pilot hole is recommended

▲ With radial teeth



WNT \ Performance

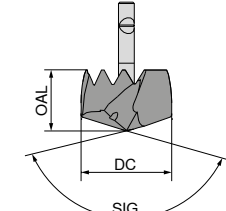
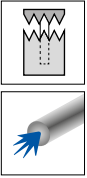


DC mm	DCONMS _{h6} mm	OAL mm	LCF mm	LU mm
12,00 - 12,49	14	165	116	100
12,50 - 12,99	14	170	121	104
13,00 - 13,49	14	175	126	108
13,50 - 13,99	16	180	129	111
14,00 - 14,49	16	185	134	115
14,50 - 14,99	16	190	139	120
15,00 - 15,49	16	195	144	124
15,50 - 16,49	20	210	152	131
15,50 - 16,49	18	205	152	131
16,50 - 17,49	20	220	161	138
16,50 - 17,49	18	215	161	138
17,50 - 18,49	20	225	171	147
17,50 - 18,49	18	220	171	147
18,50 - 19,49	20	235	180	155
19,50 - 20,49	20	240	189	163
20,50 - 21,49	25	260	198	170
21,50 - 22,49	25	270	207	178
22,50 - 23,49	25	275	217	187
23,50 - 24,49	25	285	226	194
24,50 - 25,49	25	295	235	202
25,50 - 26,49	25	305	244	210
26,50 - 27,49	25	315	253	218
27,50 - 28,49	25	325	263	226
28,50 - 29,49	32	340	272	234
29,50 - 30,49	32	345	281	242
30,50 - 31,49	32	355	290	249
31,50 - 32,00	32	360	299	257

10 918 ...	PG	W1
	£	£
120	506.99	293.72
125	506.99	293.72
130	506.99	293.72
135	506.99	293.72
140	506.99	293.72
145	506.99	293.72
150	506.99	293.72
161	516.66	298.97
160	516.66	298.97
166	516.66	298.97
165	516.66	298.97
176	516.66	298.97
175	516.66	298.97
185	594.07	344.07
195	594.07	344.07
205	646.34	374.49
210	646.34	374.49
225	725.66	419.60
235	725.66	419.60
245	830.13	480.44
255	830.13	480.44
265	830.13	480.44
275	830.13	480.44
285	959.78	555.97
295	959.78	555.97
305	1,064.29	615.76
315	1,064.29	615.76

WTX – Drilling Head for Exchangeable drills

▲ extra long head type





Change
UNI

DPX74S



SIG 140°
Solid carbide



Change
VA

Ti700



SIG 138°
Solid carbide



Change
AL

TiB



SIG 140°
Solid carbide

WNT \ Performance

WNT \ Performance

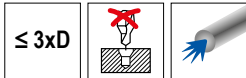
WNT \ Performance

DC h7/m7 mm	OAL mm	10 919 ... PG W2		10 921 ... PG W2		10 922 ... PG W2	
		£	£	£	£	£	£
12.0	10.7	12000	120.46	120	120.46	120	120.46
12.1	10.7	12100	120.46	121	120.46	121	120.46
12.2	10.7	12200	120.46	122	120.46	122	120.46
12.3	10.7	12300	120.46	123	120.46	123	120.46
12.4	10.7	12400	120.46	124	120.46	124	120.46
12.5	10.7	12500	120.46	125	120.46	125	120.46
12.6	10.7	12600	120.46	126	120.46	126	120.46
12.7	10.7	12700	120.46	127	120.46	127	120.46
12.8	10.7	12800	120.46	128	120.46	128	120.46
12.9	10.7	12900	120.46	129	120.46	129	120.46
13.0	10.7	13000	120.46	130	120.46	130	120.46
13.1	10.7	13100	120.46	131	120.46	131	120.46
13.2	10.7	13200	120.46	132	120.46	132	120.46
13.3	10.7	13300	120.46	133	120.46	133	120.46
13.4	10.7	13400	120.46	134	120.46	134	120.46
13.5	11.3	13500	120.46	135	120.46	135	120.46
13.6	11.3	13600	120.46	136	120.46	136	120.46
13.7	11.3	13700	120.46	137	120.46	137	120.46
13.8	11.3	13800	120.46	138	120.46	138	120.46
13.9	11.3	13900	120.46	139	120.46	139	120.46
14.0	11.3	14000	120.46	140	120.46	140	120.46
14.1	11.3	14100	120.46	141	120.46	141	120.46
14.2	11.3	14200	120.46	142	120.46	142	120.46
14.3	11.3	14300	120.46	143	120.46	143	120.46
14.4	11.3	14400	120.46	144	120.46	144	120.46
14.5	11.3	14500	120.46	145	120.46	145	120.46
14.6	11.3	14600	120.46	146	120.46	146	120.46
14.7	11.3	14700	120.46	147	120.46	147	120.46
14.8	11.3	14800	120.46	148	120.46	148	120.46
14.9	11.3	14900	120.46	149	120.46	149	120.46
15.0	11.3	15000	120.46	150	120.46	150	120.46
15.1	11.3	15100	120.46	151	120.46	151	120.46
15.2	11.3	15200	120.46	152	120.46	152	120.46
15.3	11.3	15300	120.46	153	120.46	153	120.46
15.4	11.3	15400	120.46	154	120.46	154	120.46
15.5	11.9	15500	120.46	155	120.46	155	120.46
15.6	11.9	15600	120.46	156	120.46	156	120.46
15.7	11.9	15700	120.46	157	120.46	157	120.46
15.8	11.9	15800	120.46	158	120.46	158	120.46
15.9	11.9	15900	120.46	159	120.46	159	120.46
16.0	11.9	16000	120.46	160	120.46	160	120.46
16.1	11.9	16100	120.46	161	120.46	161	120.46
16.2	11.9	16200	120.46	162	120.46	162	120.46
16.3	11.9	16300	120.46	163	120.46	163	120.46
16.4	11.9	16400	120.46	164	120.46	164	120.46
16.5	13.4	16500	120.46	165	120.46	165	120.46
16.6	13.4	16600	120.46	166	120.46	166	120.46
16.7	13.4	16700	120.46	167	120.46	167	120.46
16.8	13.4	16800	120.46	168	120.46	168	120.46
16.9	13.4	16900	120.46	169	120.46	169	120.46
17.0	13.4	17000	120.46	170	120.46	170	120.46
17.1	13.4	17100	120.46	171	120.46	171	120.46
17.2	13.4	17200	120.46	172	120.46	172	120.46
17.3	13.4	17300	120.46	173	120.46	173	120.46
17.4	13.4	17400	120.46	174	120.46	174	120.46
17.5	13.4	17500	120.46	175	120.46	175	120.46
17.6	13.4	17600	120.46	176	120.46	176	120.46
17.7	13.4	17700	120.46	177	120.46	177	120.46
17.8	13.4	17800	120.46	178	120.46	178	120.46
17.9	13.4	17900	120.46	179	120.46	179	120.46
18.0	13.4	18000	120.46	180	120.46	180	120.46
18.1	13.4	18100	131.07	181	131.07	181	131.07
18.2	13.4	18200	131.07	182	131.07	182	131.07
18.3	13.4	18300	131.07	183	131.07	183	131.07
18.4	13.4	18400	131.07	184	131.07	184	131.07
18.5	13.4	18500	131.07	185	131.07	185	131.07
18.6	13.4	18600	131.07	186	131.07	186	131.07
18.7	13.4	18700	131.07	187	131.07	187	131.07
18.8	13.4	18800	131.07	188	131.07	188	131.07
18.9	13.4	18900	131.07	189	131.07	189	131.07
19.0	13.4	19000	131.07	190	131.07	190	131.07
19.1	13.4	19100	131.07	191	131.07	191	131.07
19.2	13.4	19200	131.07	192	131.07	192	131.07
19.3	13.4	19300	131.07	193	131.07	193	131.07
19.4	13.4	19400	131.07	194	131.07	194	131.07
19.5	13.4	19500	131.07	195	131.07	195	131.07
19.6	13.4	19600	131.07	196	131.07	196	131.07
19.7	13.4	19700	131.07	197	131.07	197	131.07
19.8	13.4	19800	131.07	198	131.07	198	131.07
19.9	13.4	19900	131.07	199	131.07	199	131.07
20.0	13.4	20000	131.07	200	131.07	200	131.07
20.1	13.4	20100	144.85	201	144.85	201	144.85
20.2	13.4	20200	144.85	202	144.85	202	144.85
20.3	13.4	20300	144.85	203	144.85	203	144.85
20.4	13.4	20400	144.85	204	144.85	204	144.85
20.5	15.4	20500	144.85	205	144.85	205	144.85
20.6	15.4	20600	144.85	206	144.85	206	144.85
20.7	15.4	20700	144.85	207	144.85	207	144.85
20.8	15.4	20800	144.85	208	144.85	208	144.85
20.9	15.4	20900	144.85	209	144.85	209	144.85
21.0	15.4	21000	144.85	210	144.85	210	144.85
21.1	15.4	21100	144.85	211	144.85	211	144.85
21.2	15.4	21200	144.85	212	144.85	212	144.85
21.3	15.4	21300	144.85	213	144.85	213	144.85
21.4	15.4	21400	144.85	214	144.85	214	144.85
21.5	15.4	21500	144.85	215	144.85	215	144.85
21.6	15.4	21600	144.85	216	144.85	216	144.85
21.7	15.4	21700	144.85	217	144.85	217	144.85
21.8	15.4	21800	144.85	218	144.85	218	144.85
21.9	15.4	21900	144.85	219	144.85	219	144.85
22.0	15.4	22000	144.85	220	144.85	220	144.85
22.1	15.4	22100	155.45	221	155.45	221	155.45
22.2	15.4	22200	155.45	222	155.45	222	155.45
22.3	15.4	22300	155.45	223	155.45	223	155.45
22.4	15.4	22400	155.45	224	155.45	224	155.45
22.5	15.4	22500	155.45	225	155.45	225	155.45
22.6	15.4	22600	155.45	226	155.45	226	155.45
22.7	15.4	22700	155.45	227	155.45	227	155.45
22.8	15.4	22800	155.45	228	155.45	228	155.45
22.9	15.4	22900	155.45	229	155.45	229	155.45
23.0	15.4	23000	155.45	230	155.45	230	155.45
23.1	15.4	23100	155.45	231	155.45	231	155.45
23.2	15.4	23200	155.45	232	155.45	232	155.45
23.3	15.4	23300	155.45	233	155.45	233	155.45

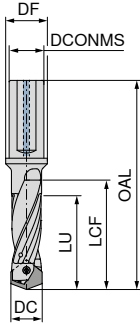
DC h7/m7 mm	OAL mm	10 919 ... PG W2		10 921 ... PG W2		10 922 ... PG W2	
		£	£	£	£	£	£
23.4	15.4	23400	155.45	234	155.45	234	155.45
23.5	15.4	23500	155.45	235	155.45	235	155.45
23.6	15.4	23600	155.45	236	155.45	236	155.45
23.7	15.4	23700	155.45	237	155.45	237	155.45
23.8	15.4	23800	155.45	238	155.45	238	155.45
23.9	15.4	23900	155.45	239	155.45	239	155.45
24.0	15.4	24000	155.45	240	155.45	240	155.45
24.1	15.4	24100	169.24	241	179.82	241	179.82
24.2	15.4	24200	169.24	242	179.82	242	179.82
24.3	15.4	24300	169.24	243	179.82	243	179.82
24.4	15.4	24400	169.24	244	179.82	244	179.82
24.5	17.4	24500	169.24	245	179.82	245	179.82
24.6	17.4	24600	169.24	246	179.82	246	179.82
24.7	17.4	24700	169.24	247	179.82	247	179.82
24.8	17.4	24800	169.24	248	179.82	248	179.82
24.9	17.4	24900	169.24	249	179.82	249	179.82
25.0	17.4	25000	169.24	250	179.82	250	179.82
25.1	17.4	25100	169.24	251	179.82	251	179.82
25.2	17.4	25200	169.24	252	179.82	252	179.82
25.3	17.4	25300	169.24	253	179.82	253	179.82
25.4	17.4	25400	169.24	254	179.82	254	179.82
25.5	17.4	25500	169.24	255	179.82	255	179.82
25.6	17.4	25600	179.82	256	179.82	256	179.82
25.7	17.4	25700	179.82	257	179.82	257	179.82
25.8	17.4	25800	179.82	258	179.82	258	179.82
25.9	17.4	25900	179.82	259	179.82	259	179.82
26.0	17.4	26000	179.82				

WPC – Holder for indexable insert drill

- ▲ Easy handling
- ▲ Insert can be changed in the machine
- ▲ Precise and stable insert seat, clamping via Torx Plus® screw



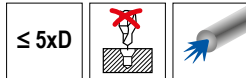
WNT \ Standard



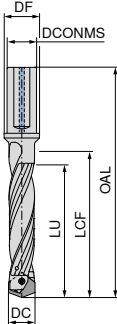
DC mm	DCONMS mm	OAL mm	LCF mm	LU mm	DF mm	torque moment Nm	11 903 ...		
								PG	TT
							£	£	
14,00 - 14,49	16	108.9	50.8	43.5	20	0.9	14000	263.49	132.17
14,50 - 14,99	16	111.0	52.5	45.0	20	0.9	14500	263.49	132.17
15,00 - 15,49	20	115.1	54.3	46.5	25	0.9	15000	263.49	132.17
15,50 - 15,99	20	117.2	56.0	48.0	25	0.9	15500	263.49	132.17
16,00 - 16,49	20	119.3	57.8	49.5	25	1.2	16000	289.10	144.76
16,50 - 16,99	20	121.4	59.5	51.0	25	1.2	16500	289.10	144.76
17,00 - 17,49	20	123.5	61.3	52.5	25	1.2	17000	289.10	144.76
17,50 - 17,99	20	125.6	63.0	54.0	25	1.2	17500	289.10	144.76
18,00 - 18,49	20	127.7	64.8	55.5	25	2.2	18000	308.22	154.20
18,50 - 18,99	20	129.8	66.5	57.0	25	2.2	18500	308.22	154.20
19,00 - 19,49	25	137.9	68.3	58.5	30	2.2	19000	308.22	154.20
19,50 - 19,99	25	140.0	70.0	60.0	30	2.2	19500	308.22	154.20
20,00 - 20,49	25	142.1	71.8	61.5	30	2.2	20000	327.33	163.64
20,50 - 20,99	25	144.2	73.5	63.0	30	2.2	20500	327.33	163.64
21,00 - 21,49	25	146.3	75.3	64.5	30	2.2	21000	366.04	178.33
21,50 - 21,99	25	148.4	77.0	66.0	30	2.2	21500	361.16	180.43
22,00 - 22,49	25	150.5	78.8	67.5	30	3.2	22000	366.20	183.58
22,50 - 22,99	25	152.6	80.5	69.0	30	3.2	22500	371.24	185.67
23,00 - 23,49	25	154.7	82.3	70.5	30	3.2	23000	376.18	187.77
23,50 - 23,99	25	156.8	84.0	72.0	30	3.2	23500	381.51	190.92
24,00 - 24,49	32	162.9	85.8	73.5	39	5	24000	386.54	193.02
24,50 - 24,99	32	165.0	87.5	75.0	39	5	24500	391.67	196.16
25,00 - 25,49	32	167.1	89.3	76.5	39	5	25000	396.69	198.26
25,50 - 25,99	32	169.2	91.0	78.0	39	5	25500	401.85	201.41
26,00 - 26,49	32	171.3	92.8	79.5	39	6	26000	406.88	203.51
26,50 - 26,99	32	173.4	94.5	81.0	39	6	26500	412.02	205.60
27,00 - 27,49	32	175.5	96.3	82.5	39	6	27000	417.04	208.75
27,50 - 27,99	32	177.6	98.0	84.0	39	6	27500	422.07	210.85
28,00 - 28,49	32	179.7	99.8	85.5	39	6	28000	427.33	214.00
28,50 - 28,99	32	181.8	101.5	87.0	39	6	28500	432.37	216.09
29,00 - 29,49	32	183.9	103.3	88.5	39	6	29000	437.38	218.19
29,50 - 30,00	32	186.0	105.0	90.0	39	6	29500	442.53	221.34

WPC – Holder for indexable insert drill

- ▲ Easy handling
- ▲ Insert can be changed in the machine
- ▲ Precise and stable insert seat, clamping via Torx Plus® screw



WNT \ Standard



DC mm	DCONMS mm	OAL mm	LCF mm	LU mm	DF mm	torque moment Nm	11 905 ...		
								PG	TT
							£	£	
14,00 - 14,49	16	137.9	79.8	72.5	20	0.9	14000	285.55	142.66
14,50 - 14,99	16	141.0	82.5	75.0	20	0.9	14500	285.55	142.66
15,00 - 15,49	20	146.1	85.3	77.5	25	0.9	15000	285.55	142.66
15,50 - 15,99	20	149.2	88.0	80.0	25	0.9	15500	285.55	142.66
16,00 - 16,49	20	152.3	90.8	82.5	25	1.2	16000	310.90	155.25
16,50 - 16,99	20	155.4	93.5	85.0	25	1.2	16500	310.90	155.25
17,00 - 17,49	20	158.5	96.3	87.5	25	1.2	17000	310.90	155.25
17,50 - 17,99	20	161.6	99.0	90.0	25	1.2	17500	310.90	155.25
18,00 - 18,49	20	164.7	101.8	92.5	25	2.2	18000	330.77	165.74
18,50 - 18,99	20	167.8	104.5	95.0	25	2.2	18500	330.77	165.74
19,00 - 19,49	25	176.9	107.3	97.5	30	2.2	19000	330.77	165.74
19,50 - 19,99	25	180.0	110.0	100.0	30	2.2	19500	330.77	165.74
20,00 - 20,49	25	183.1	112.8	102.5	30	2.2	20000	340.39	175.18
21,00 - 21,49	25	189.3	118.3	107.5	30	2.2	21000	370.17	189.87
21,50 - 21,99	25	192.4	121.0	110.0	30	2.2	21500	384.20	191.97
22,00 - 22,49	25	195.5	123.8	112.5	30	3.2	22000	389.22	195.11
22,50 - 22,99	25	198.6	126.5	115.0	30	3.2	22500	394.38	197.21
23,00 - 23,49	25	201.7	129.3	117.5	30	3.2	23000	399.51	199.31
23,50 - 23,99	25	204.8	132.0	120.0	30	3.2	23500	404.54	202.46
24,00 - 24,49	32	211.9	134.8	122.5	39	5	24000	409.79	204.56
24,50 - 24,99	32	215.0	137.5	125.0	39	5	24500	414.72	207.70
25,00 - 25,49	32	218.1	140.3	127.5	39	5	25000	419.85	209.80
25,50 - 25,99	32	221.2	143.0	130.0	39	5	25500	425.01	212.95
26,00 - 26,49	32	224.3	145.8	132.5	39	6	26000	430.04	215.05
26,50 - 26,99	32	227.4	148.5	135.0	39	6	26500	435.06	217.14
27,00 - 27,49	32	230.5	151.3	137.5	39	6	27000	440.20	220.29
27,50 - 27,99	32	233.6	154.0	140.0	39	6	27500	445.35	222.39
28,00 - 28,49	32	236.7	156.8	142.5	39	6	28000	450.38	225.54
28,50 - 28,99	32	239.8	159.5	145.0	39	6	28500	455.40	227.63
29,00 - 29,49	32	242.9	162.3	147.5	39	6	29000	460.56	230.78
29,50 - 30,00	32	246.0	165.0	150.0	39	6	29500	465.58	232.88

UK LOGISTICS

WHEN YOU SEE THIS LOGO

IT'S IN STOCK IN SHEFFIELD



WPC – Indexable insert for indexable insert drill

Scope of supply:

Indexable insert (clamping screws can be ordered separately, if necessary)

NEW

Change UNI

TPX74S

SIG 135°
HM

WNT \ Standard

DC _{mt}	OAL	LPR	S	11 910 ...	PG	TS
mm	mm	mm	mm	£	£	
14.0	12.8	7.73	5.00	14000	89.44	80.77
14.1	12.8	7.73	5.00	14100	89.44	80.77
14.2	12.8	7.73	5.00	14200	89.44	80.77
14.3	12.8	7.73	5.00	14300	89.44	80.77
14.4	12.8	7.73	5.00	14400	89.44	80.77
14.5	13.1	7.84	5.00	14500	89.44	80.77
14.6	13.1	7.84	5.00	14600	89.44	80.77
14.7	13.1	7.84	5.00	14700	89.44	80.77
14.8	13.1	7.84	5.00	14800	90.82	81.82
14.9	13.1	7.84	5.00	14900	90.82	81.82
15.0	13.4	7.95	5.00	15000	90.82	81.82
15.1	13.4	7.95	5.00	15100	90.82	81.82
15.2	13.4	7.95	5.00	15200	90.82	81.82
15.3	13.4	7.95	5.00	15300	90.82	81.82
15.4	13.4	7.95	5.00	15400	90.82	81.82
15.5	13.7	8.05	5.00	15500	90.82	81.82
15.6	13.7	8.05	5.00	15600	90.82	81.82
15.7	13.7	8.05	5.00	15700	90.82	81.82
15.8	13.7	8.05	5.00	15800	96.34	87.07
15.9	13.7	8.05	5.00	15900	96.34	87.07
16.0	14.4	9.06	5.80	16000	96.34	87.07
16.1	14.4	9.06	5.80	16100	96.34	87.07
16.2	14.4	9.06	5.80	16200	96.34	87.07
16.3	14.4	9.06	5.80	16300	96.34	87.07
16.4	14.4	9.06	5.80	16400	96.34	87.07
16.5	14.7	9.17	5.80	16500	96.34	87.07
16.6	14.7	9.17	5.80	16600	96.34	87.07
16.7	14.7	9.17	5.80	16700	96.34	87.07
16.8	14.7	9.17	5.80	16800	98.64	89.17
16.9	14.7	9.17	5.80	16900	98.64	89.17
17.0	15.0	9.28	5.80	17000	98.64	89.17
17.1	15.0	9.28	5.80	17100	98.64	89.17
17.2	15.0	9.28	5.80	17200	98.64	89.17
17.3	15.0	9.28	5.80	17300	98.64	89.17
17.4	15.0	9.28	5.80	17400	98.64	89.17
17.5	15.3	9.39	5.80	17500	98.64	89.17
17.6	15.3	9.39	5.80	17600	98.64	89.17
17.7	15.3	9.39	5.80	17700	98.64	89.17
17.8	15.3	9.39	5.80	17800	100.95	91.26
17.9	15.3	9.39	5.80	17900	100.95	91.26
18.0	16.3	10.19	6.50	18000	100.95	91.26
18.1	16.3	10.19	6.50	18100	100.95	91.26
18.2	16.3	10.19	6.50	18200	100.95	91.26
18.3	16.3	10.19	6.50	18300	100.95	91.26
18.4	16.3	10.19	6.50	18400	100.95	91.26
18.5	16.6	10.30	6.50	18500	100.95	91.26
18.6	16.6	10.30	6.50	18600	100.95	91.26
18.7	16.6	10.30	6.50	18700	100.95	91.26
18.8	16.6	10.30	6.50	18800	103.04	93.36
18.9	16.6	10.30	6.50	18900	103.04	93.36
19.0	16.9	10.41	6.50	19000	103.04	93.36
19.1	16.9	10.41	6.50	19100	103.04	93.36
19.2	16.9	10.41	6.50	19200	103.04	93.36
19.3	16.9	10.41	6.50	19300	103.04	93.36
19.4	16.9	10.41	6.50	19400	103.04	93.36
19.5	17.2	10.52	6.50	19500	103.04	93.36
19.6	17.2	10.52	6.50	19600	103.04	93.36
19.7	17.2	10.52	6.50	19700	103.04	93.36
19.8	17.2	10.52	6.50	19800	107.34	96.51

DC _{mt}	OAL	LPR	S	11 910 ...	PG	TS
mm	mm	mm	mm	£	£	
19.9	17.2	10.52	6.50	19900	107.34	96.51
20.0	18.2	11.33	7.20	20000	107.34	96.51
20.1	18.2	11.33	7.20	20100	107.34	96.51
20.2	18.2	11.33	7.20	20200	107.34	96.51
20.3	18.2	11.33	7.20	20300	107.34	96.51
20.4	18.2	11.33	7.20	20400	107.34	96.51
20.5	18.5	11.43	7.20	20500	107.34	96.51
20.6	18.5	11.43	7.20	20600	107.34	96.51
20.7	18.5	11.43	7.20	20700	107.34	96.51
20.8	18.5	11.43	7.20	20800	110.35	99.66
20.9	18.5	11.43	7.20	20900	110.35	99.66
21.0	18.8	11.54	7.20	21000	110.35	99.66
21.1	18.8	11.54	7.20	21100	110.35	99.66
21.2	18.8	11.54	7.20	21200	110.35	99.66
21.3	18.8	11.54	7.20	21300	110.35	99.66
21.4	18.8	11.54	7.20	21400	110.35	99.66
21.5	19.1	11.65	7.20	21500	110.35	99.66
21.6	19.1	11.65	7.20	21600	110.35	99.66
21.7	19.1	11.65	7.20	21700	110.35	99.66
21.8	19.1	11.65	7.20	21800	112.94	101.75
21.9	19.1	11.65	7.20	21900	112.94	101.75
22.0	20.2	12.56	7.90	22000	112.94	101.75
22.1	20.2	12.56	7.90	22100	112.94	101.75
22.2	20.2	12.56	7.90	22200	112.94	101.75
22.3	20.2	12.56	7.90	22300	112.94	101.75
22.4	20.2	12.56	7.90	22400	112.94	101.75
22.5	20.5	12.67	7.90	22500	112.94	101.75
22.6	20.5	12.67	7.90	22600	112.94	101.75
22.7	20.5	12.67	7.90	22700	112.94	101.75
22.8	20.5	12.67	7.90	22800	117.28	105.95
22.9	20.5	12.67	7.90	22900	117.28	105.95
23.0	20.8	12.78	7.90	23000	117.28	105.95
23.1	20.8	12.78	7.90	23100	117.28	105.95
23.2	20.8	12.78	7.90	23200	117.28	105.95
23.3	20.8	12.78	7.90	23300	117.28	105.95
23.4	20.8	12.78	7.90	23400	117.28	105.95
23.5	21.1	12.88	7.90	23500	117.28	105.95
23.6	21.1	12.88	7.90	23600	117.28	105.95
23.7	21.1	12.88	7.90	23700	117.28	105.95
23.8	21.1	12.88	7.90	23800	123.53	111.19
23.9	21.1	12.88	7.90	23900	123.53	111.19
24.0	22.1	13.69	8.60	24000	123.53	111.19
24.1	22.1	13.69	8.60	24100	123.53	111.19
24.2	22.1	13.69	8.60	24200	123.53	111.19
24.3	22.1	13.69	8.60	24300	123.53	111.19
24.4	22.1	13.69	8.60	24400	123.53	111.19
24.5	22.4	13.80	8.60	24500	123.53	111.19
24.6	22.4	13.80	8.60	24600	123.53	111.19
24.7	22.4	13.80	8.60	24700	123.53	111.19
24.8	22.4	13.80	8.60	24800	130.62	117.49
24.9	22.4	13.80	8.60	24900	130.62	117.49
25.0	22.7	13.91	8.60	25000	130.62	117.49
25.1	22.7	13.91	8.60	25100	130.62	117.49
25.2	22.7	13.91	8.60	25200	130.62	117.49
25.3	22.7	13.91	8.60	25300	130.62	117.49
25.4	22.7	13.91	8.60	25400	130.62	117.49
25.5	23.0	14.02	8.60	25500	130.62	117.49
25.6	23.0	14.02	8.60	25600	130.62	117.49
25.7	23.0	14.02	8.60	25700	130.62	117.49
25.8	23.0	14.02	8.60	25800	137.35	123.78
25.9	23.0	14.02	8.60	25900	137.35	123.78
26.0	24.1	14.92	9.40	26000	137.35	123.78
27.0	24.7	15.14	9.40	27000	147.75	133.22
27.5	25.0	15.25	9.40	27500	147.75	133.22
28.0	25.3	15.36	9.40	28000	147.75	133.22
28.5	25.6	15.47	9.40	28500	154.07	138.47
29.0	25.9	15.57	9.40	29000	154.07	138.47
29.5	26.2	15.68	9.40	29500	159.82	143.71
30.0	26.2	15.49	9.40	30000	159.82	143.71

P

M

K

N

S

H

O

Application notes for WPC – Change indexable insert drill

Assembly of the indexable insert

1

Loosen the clamping screw anti-clockwise using a TORX PLUS® screwdriver (screwdriver not included in the scope of supply).

2

Remove the indexable insert from the insert seat.

3

Clean the insert seat and screw thread with compressed air.

4

Insert the new indexable insert in the insert seat.

5

Insert clamping screw from correct side and tighten clockwise with the specified torque. Observe the change interval of the clamping screw!

Notes

- ▲ Only insert indexable inserts in the diameter range designated for the respective holder.
- ▲ The clamping screw must also be replaced upon every fifth replacement of the indexable insert.
- ▲ The tightening torque and item number of the clamping screw are labelled on the holder.
- ▲ Use only original spare parts.

Clamping screws and tightening torques

Diameter range	Article no. Clamping screw	Drive	Torque moment TQ
14,00–15,99 mm	11 950 00100	08IP	0,9 Nm
16,00–17,99 mm	11 950 00200	08IP	1,2 Nm
18,00–21,99 mm	11 950 00300	10IP	2,2 Nm
22,00–23,99 mm	11 950 00400	10IP	3,2 Nm
24,00–25,99 mm	11 950 00500	15IP	5,0 Nm
26,00–30,00 mm	11 950 00600	20IP	6,0 Nm

Notes on drilling technology

Solid drilling

Stack plate drilling: stable clamping of closely spaced stack plates required.

When drilling into angled surfaces < 3°, reduce the feed by approx. 50%. For an angled drill entrance > 3°, prior spot facing is required.

When exiting at an angle < 3°, reduce the feed by approx. 50%. Machining angled drill exits > 3° is not recommended.

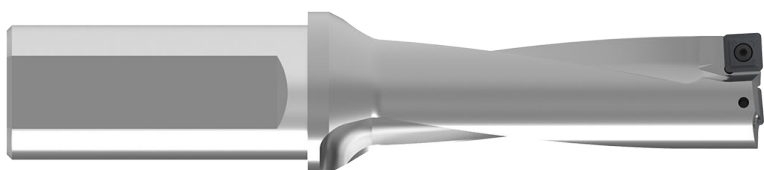
When machining with a stationary tool (turning machines), a precise centre position of the tool in relation to the rotational axis of the workpiece must be ensured. Maximum permissible offset ± 0.02 mm.

To achieve the optimal results, it is recommended to use the tool with thro' coolant only. The recommended minimum coolant pressure should be 12 bar.

INDEXABLE INSERT DRILLS



MaxiDrill 900 – the first choice for the vast majority of indexable insert drilling applications in all materials.

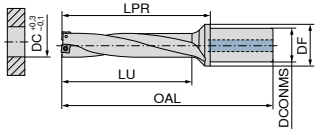


KUB Pentron – high performance problem solver with large selection of diameters and grades.



MaxiDrill 900 – Indexable insert drill

Scope of supply:
Indexable Insert Drill including clamping screws and key



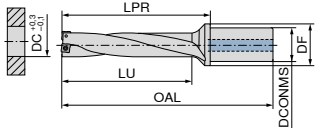
≤ 2xD

 KOMET \ Standard

Designation	DC mm	DF mm	DCONMS mm	OAL mm	LU mm	LPR mm	Insert	10 852 ... PG 2B/41	
								£	£
MD900.2D.120.R.03-C20	12.0	28	20	90	24	40	SONT 031804	120	295.24 121.68
MD900.2D.125.R.03-C20	12.5	28	20	91	25	41	SONT 031804	125	295.24 121.68
MD900.2D.130.R.03-C20	13.0	28	20	92	26	42	SONT 031804	130	295.24 121.68
MD900.2D.135.R.03-C20	13.5	28	20	93	27	43	SONT 031804	135	295.24 121.68
MD900.2D.140.R.04-C20	14.0	30	20	96	28	46	SONT 042105	140	344.26 130.08
MD900.2D.145.R.04-C20	14.5	30	20	97	29	47	SONT 042105	145	344.26 130.08
MD900.2D.150.R.04-C20	15.0	30	20	98	30	48	SONT 042105	150	344.26 130.08
MD900.2D.155.R.04-C20	15.5	30	20	99	31	49	SONT 042105	155	344.26 130.08
MD900.2D.160.R.05-C20	16.0	30	20	100	32	50	SONT 052306	160	344.26 130.08
MD900.2D.165.R.05-C20	16.5	30	20	101	33	51	SONT 052306	165	344.26 130.08
MD900.2D.170.R.05-C20	17.0	30	20	102	34	52	SONT 052306	170	334.46 138.47
MD900.2D.175.R.05-C20	17.5	30	20	103	35	53	SONT 052306	175	334.46 138.47
MD900.2D.180.R.06-C25	18.0	32	25	111	36	55	SONT 062506	180	334.46 138.47
MD900.2D.185.R.06-C25	18.5	32	25	112	37	56	SONT 062506	185	334.46 138.47
MD900.2D.190.R.06-C25	19.0	32	25	113	38	57	SONT 062506	190	359.43 148.96
MD900.2D.195.R.06-C25	19.5	32	25	114	39	58	SONT 062506	195	359.43 148.96
MD900.2D.200.R.06-C25	20.0	32	25	115	40	59	SONT 062506	200	359.43 148.96
MD900.2D.205.R.06-C25	20.5	32	25	116	41	60	SONT 062506	205	359.43 148.96
MD900.2D.210.R.07-C25	21.0	32	25	118	42	62	SONT 072907	210	359.43 148.96
MD900.2D.220.R.07-C25	22.0	32	25	120	44	64	SONT 072907	220	359.43 148.96
MD900.2D.230.R.07-C25	23.0	32	25	122	46	66	SONT 072907	230	370.67 153.15
MD900.2D.240.R.08-C32	24.0	40	32	132	48	72	SONT 083308	240	370.67 153.15
MD900.2D.250.R.08-C32	25.0	40	32	134	50	74	SONT 083308	250	370.67 153.15
MD900.2D.260.R.08-C32	26.0	40	32	136	52	76	SONT 083308	260	410.39 169.94
MD900.2D.270.R.08-C32	27.0	40	32	138	54	78	SONT 083308	270	410.39 169.94
MD900.2D.280.R.09-C32	28.0	40	32	140	56	80	SONT 093808	280	410.39 169.94
MD900.2D.290.R.09-C32	29.0	40	32	142	58	82	SONT 093808	290	410.39 169.94
MD900.2D.300.R.09-C32	30.0	40	32	144	60	84	SONT 093808	300	410.39 169.94
MD900.2D.310.R.09-C32	31.0	40	32	146	62	86	SONT 093808	310	445.15 183.58
MD900.2D.320.R.09-C32	32.0	40	32	148	64	88	SONT 093808	320	445.15 183.58
MD900.2D.330.R.10-C40	33.0	50	40	163	66	93	SONT 104408	330	445.15 183.58
MD900.2D.340.R.10-C40	34.0	50	40	165	68	95	SONT 104408	340	445.15 183.58

MaxiDrill 900 – Indexable insert drill

Scope of supply:
Indexable Insert Drill including clamping screws and key



≤ 3xD

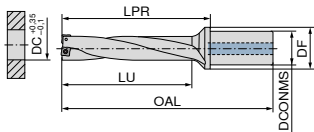
 KOMET \ Standard

Designation	DC mm	DF mm	DCONMS mm	OAL mm	LU mm	LPR mm	Insert	10 853 ... PG 2B/41	
								£	£
MD900.3D.120.R.03-C20	12.0	28	20	102	36.0	52	SONT 031804	120	344.48 130.08
MD900.3D.125.R.03-C20	12.5	28	20	104	37.5	54	SONT 031804	125	344.48 130.08
MD900.3D.130.R.03-C20	13.0	28	20	105	39.0	55	SONT 031804	130	344.48 130.08
MD900.3D.135.R.03-C20	13.5	28	20	107	40.5	57	SONT 031804	135	344.48 130.08
MD900.3D.140.R.04-C20	14.0	30	20	109	42.0	59	SONT 042105	140	334.26 137.42
MD900.3D.145.R.04-C20	14.5	30	20	111	44.0	61	SONT 042105	145	334.26 137.42
MD900.3D.150.R.04-C20	15.0	30	20	112	45.0	62	SONT 042105	150	334.26 137.42
MD900.3D.155.R.04-C20	15.5	30	20	114	47.0	64	SONT 042105	155	339.66 140.57
MD900.3D.160.R.05-C20	16.0	30	20	115	48.0	65	SONT 052306	160	339.66 140.57
MD900.3D.165.R.05-C20	16.5	30	20	117	50.0	67	SONT 052306	165	339.66 140.57
MD900.3D.170.R.05-C20	17.0	30	20	118	51.0	68	SONT 052306	170	352.15 145.81
MD900.3D.175.R.05-C20	17.5	30	20	120	53.0	70	SONT 052306	175	352.15 145.81
MD900.3D.180.R.06-C25	18.0	32	25	128	54.0	72	SONT 062506	180	352.15 145.81
MD900.3D.185.R.06-C25	18.5	32	25	130	56.0	74	SONT 062506	185	352.15 145.81
MD900.3D.190.R.06-C25	19.0	32	25	131	57.0	75	SONT 062506	190	378.34 156.30
MD900.3D.195.R.06-C25	19.5	32	25	133	59.0	77	SONT 062506	195	378.34 156.30
MD900.3D.200.R.06-C25	20.0	32	25	134	60.0	78	SONT 062506	200	378.34 156.30
MD900.3D.205.R.06-C25	20.5	32	25	136	62.0	80	SONT 062506	205	378.34 156.30
MD900.3D.210.R.07-C25	21.0	32	25	138	63.0	82	SONT 072907	210	378.34 156.30
MD900.3D.215.R.07-C25	21.5	32	25	140	65.0	84	SONT 072907	215	378.34 156.30
MD900.3D.220.R.07-C25	22.0	32	25	141	66.0	85	SONT 072907	220	378.34 156.30
MD900.3D.225.R.07-C25	22.5	32	25	143	68.0	87	SONT 072907	225	390.66 161.55
MD900.3D.230.R.07-C25	23.0	32	25	144	69.0	88	SONT 072907	230	390.66 161.55
MD900.3D.235.R.07-C25	23.5	32	25	146	71.0	90	SONT 072907	235	390.66 161.55
MD900.3D.240.R.08-C32	24.0	40	32	155	72.0	95	SONT 083308	240	390.66 161.55
MD900.3D.245.R.08-C32	24.5	40	32	157	74.0	97	SONT 083308	245	390.66 161.55
MD900.3D.250.R.08-C32	25.0	40	32	158	75.0	98	SONT 083308	250	390.66 161.55
MD900.3D.255.R.08-C32	25.5	40	32	160	77.0	100	SONT 083308	255	390.66 161.55
MD900.3D.260.R.08-C32	26.0	40	32	161	78.0	101	SONT 083308	260	431.95 178.33
MD900.3D.265.R.08-C32	26.5	40	32	163	80.0	103	SONT 083308	265	431.95 178.33
MD900.3D.270.R.08-C32	27.0	40	32	164	81.0	104	SONT 083308	270	431.95 178.33
MD900.3D.275.R.08-C32	27.5	40	32	166	83.0	106	SONT 083308	275	431.95 178.33
MD900.3D.280.R.09-C32	28.0	40	32	167	84.0	107	SONT 093808	280	431.95 178.33
MD900.3D.285.R.09-C32	28.5	40	32	169	86.0	109	SONT 093808	285	431.95 178.33
MD900.3D.290.R.09-C32	29.0	40	32	170	87.0	110	SONT 093808	290	431.95 178.33
MD900.3D.295.R.09-C32	29.5	40	32	172	89.0	112	SONT 093808	295	431.95 178.33
MD900.3D.300.R.09-C32	30.0	40	32	173	90.0	113	SONT 093808	300	431.95 178.33
MD900.3D.305.R.09-C32	30.5	40	32	175	92.0	115	SONT 093808	305	431.95 178.33

Designation	DC mm	DF mm	DCONMS mm	OAL mm	LU mm	LPR mm	Insert	10 852 ... PG 2B/41	
								£	£
MD900.2D.350.R.10-C40	35.0	50	40	167	70	97	SONT 104408	350	455.24 187.77
MD900.2D.360.R.10-C40	36.0	50	40	169	72	99	SONT 104408	360	455.24 187.77
MD900.2D.370.R.12-C40	37.0	56	40	174	74	104	SONT 124810	370	469.98 194.07
MD900.2D.380.R.12-C40	38.0	56	40	176	76	106	SONT 124810	380	469.98 194.07
MD900.2D.390.R.12-C40	39.0	56	40	178	78	108	SONT 124810	390	469.98 194.07
MD900.2D.400.R.12-C40	40.0	56	40	180	80	110	SONT 124810	400	469.98 194.07
MD900.2D.410.R.12-C40	41.0	56	40	182	82	112	SONT 124810	410	469.98 194.07
MD900.2D.420.R.13-C40	42.0	60	40	187	84	117	SONT 135012	420	493.72 204.56
MD900.2D.430.R.13-C40	43.0	60	40	189	86	119	SONT 135012	430	493.72 204.56
MD900.2D.440.R.13-C40	44.0	60	40	191	88	121	SONT 135012	440	493.72 204.56
MD900.2D.450.R.13-C40	45.0	60	40	193	90	123	SONT 135012	450	493.72 204.56
MD900.2D.460.R.13-C40	46.0	60	40	195	92	125	SONT 135012	460	493.72 204.56
MD900.2D.470.R.15-C40	47.0	60	40	198	94	128	SONT 155312	470	548.66 214.00
MD900.2D.480.R.15-C40	48.0	60	40	200	96	130	SONT 155312	480	548.66 214.00
MD900.2D.490.R.15-C40	49.0	60	40	202	98	132	SONT 155312	490	559.58 231.83
MD900.2D.500.R.15-C40	50.0	60	40	204	100	134	SONT 155312	500	559.58 231.83
MD900.2D.510.R.15-C40	52.0	60	40	208	104	138	SONT 155312	520	574.64 237.07
MD900.2D.520.R.15-C40	51.0	60	40	206	102	136	SONT 155312	510	574.64 237.07
MD900.2D.530.R.15-C40	53.0	60	40	210	106	140	SONT 155312	530	574.64 237.07
MD900.2D.540.R.15-C40	54.0	60	40	212	108	142	SONT 155312	540	574.64 237.07
MD900.2D.550.R.17-C40	55.0	60	40	215	110	145	SONT 175612	550	574.64 237.07
MD900.2D.560.R.17-C40	56.0	60	40	217	112	147	SONT 175612	560	595.69</

MaxiDrill 900 – Indexable insert drill

Scope of supply:
Indexable Insert Drill including clamping screws and key



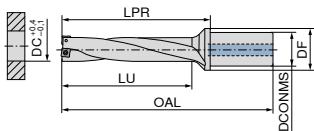
Designation	DC	DF	DCONMS	OAL	LU	LPR	Insert	10 854 ...	PG 2B/41
	mm	mm	mm	mm	mm	mm		£	£
MD900.4D.120.R.03-C20	12	28	20	114	48	64	SONT 031804	120	433.78 179.38
MD900.4D.130.R.03-C20	13	28	20	118	52	68	SONT 031804	130	433.78 179.38
MD900.4D.140.R.04-C20	14	30	20	123	56	73	SONT 042105	140	446.36 184.62
MD900.4D.150.R.04-C20	15	30	20	127	60	77	SONT 042105	150	446.36 184.62
MD900.4D.160.R.05-C20	16	30	20	131	64	81	SONT 052306	160	456.78 188.82
MD900.4D.170.R.05-C20	17	30	20	135	68	85	SONT 052306	170	473.08 196.16
MD900.4D.180.R.06-C25	18	32	25	146	72	90	SONT 062506	180	473.08 196.16
MD900.4D.190.R.06-C25	19	32	25	150	76	94	SONT 062506	190	509.22 210.85
MD900.4D.200.R.06-C25	20	32	25	154	80	98	SONT 062506	200	509.22 210.85
MD900.4D.210.R.07-C25	21	32	25	159	84	103	SONT 072907	210	509.22 210.85
MD900.4D.220.R.07-C25	22	32	25	163	88	107	SONT 072907	220	509.22 210.85
MD900.4D.230.R.07-C25	23	32	25	167	92	111	SONT 072907	230	526.48 217.14
MD900.4D.240.R.08-C32	24	40	32	179	96	119	SONT 083308	240	526.48 217.14
MD900.4D.250.R.08-C32	25	40	32	183	100	123	SONT 083308	250	526.48 217.14
MD900.4D.260.R.08-C32	26	40	32	187	104	127	SONT 083308	260	584.27 240.22
MD900.4D.270.R.08-C32	27	40	32	191	108	131	SONT 083308	270	584.27 240.22
MD900.4D.280.R.09-C32	28	40	32	195	112	135	SONT 093808	280	584.27 240.22
MD900.4D.290.R.09-C32	29	40	32	199	116	139	SONT 093808	290	584.27 240.22
MD900.4D.300.R.09-C32	30	40	32	203	120	143	SONT 093808	300	584.27 240.22
MD900.4D.310.R.09-C32	31	40	32	207	124	147	SONT 093808	310	630.93 261.20
MD900.4D.320.R.09-C32	32	40	32	211	128	151	SONT 093808	320	630.93 261.20
MD900.4D.330.R.10-C40	33	50	40	228	132	158	SONT 104408	330	630.93 261.20



Designation	DC	DF	DCONMS	OAL	LU	LPR	Insert	10 854 ...	PG 2B/41
	mm	mm	mm	mm	mm	mm		£	£
MD900.4D.340.R.10-C40	34	50	40	232	136	162	SONT 104408	340	630.93 261.20
MD900.4D.350.R.10-C40	35	50	40	236	140	166	SONT 104408	350	644.14 266.45
MD900.4D.360.R.10-C40	36	50	40	240	144	170	SONT 104408	360	644.14 266.45
MD900.4D.370.R.12-C40	37	56	40	248	148	178	SONT 124810	370	666.28 275.89
MD900.4D.380.R.12-C40	38	56	40	252	152	182	SONT 124810	380	666.28 275.89
MD900.4D.390.R.12-C40	39	56	40	256	156	186	SONT 124810	390	666.28 275.89
MD900.4D.400.R.12-C40	40	56	40	260	160	190	SONT 124810	400	666.28 275.89
MD900.4D.410.R.12-C40	41	56	40	264	164	194	SONT 124810	410	666.28 275.89
MD900.4D.420.R.13-C40	42	60	40	271	168	201	SONT 135012	420	698.99 288.48
MD900.4D.430.R.13-C40	43	60	40	275	172	205	SONT 135012	430	698.99 288.48
MD900.4D.440.R.13-C40	44	60	40	279	176	209	SONT 135012	440	698.99 288.48
MD900.4D.450.R.13-C40	45	60	40	283	180	213	SONT 135012	450	698.99 288.48
MD900.4D.460.R.13-C40	46	60	40	287	184	217	SONT 135012	460	698.99 288.48
MD900.4D.470.R.15-C40	47	60	40	292	188	222	SONT 155312	470	737.04 304.21
MD900.4D.480.R.15-C40	48	60	40	296	192	226	SONT 155312	480	737.04 304.21
MD900.4D.490.R.15-C40	49	60	40	300	196	230	SONT 155312	490	737.04 304.21
MD900.4D.500.R.15-C40	50	60	40	304	200	234	SONT 155312	500	737.04 304.21
MD900.4D.510.R.15-C40	51	60	40	308	204	238	SONT 155312	510	737.04 304.21
MD900.4D.520.R.15-C40	52	60	40	312	208	242	SONT 155312	520	737.04 304.21
MD900.4D.530.R.15-C40	53	60	40	316	212	246	SONT 155312	530	737.04 304.21
MD900.4D.540.R.15-C40	54	60	40	320	216	250	SONT 155312	540	737.04 304.21

MaxiDrill 900 – Indexable insert drill

Scope of supply:
Indexable Insert Drill including clamping screws and key



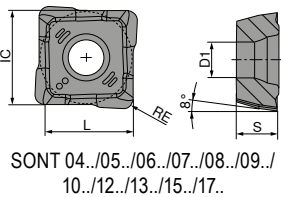
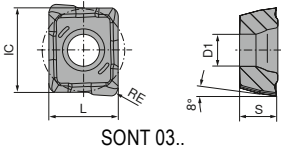
Designation	DC	DF	DCONMS	OAL	LU	LPR	Insert	10 855 ...	PG 2B/41
	mm	mm	mm	mm	mm	mm		£	£
MD900.5D.120.R.03-C20	12	28	20	126	60	76	SONT 031804	120	548.54 214.00
MD900.5D.130.R.03-C20	13	28	20	131	65	81	SONT 031804	130	548.54 214.00
MD900.5D.140.R.04-C20	14	30	20	137	70	87	SONT 042105	140	530.48 219.24
MD900.5D.150.R.04-C20	15	30	20	142	75	92	SONT 042105	150	530.48 219.24
MD900.5D.160.R.05-C20	16	30	20	147	80	97	SONT 052306	160	543.25 224.49
MD900.5D.170.R.05-C20	17	30	20	152	85	102	SONT 052306	170	562.07 232.88
MD900.5D.180.R.06-C25	18	32	25	164	90	108	SONT 062506	180	562.07 232.88
MD900.5D.190.R.06-C25	19	32	25	169	95	113	SONT 062506	190	604.78 249.66
MD900.5D.200.R.06-C25	20	32	25	174	100	118	SONT 062506	200	604.78 249.66
MD900.5D.210.R.07-C25	21	32	25	180	105	124	SONT 072907	210	604.78 249.66
MD900.5D.220.R.07-C25	22	32	25	184	110	128	SONT 072907	220	604.78 249.66
MD900.5D.230.R.07-C25	23	32	25	189	115	133	SONT 072907	230	626.32 259.10
MD900.5D.240.R.08-C32	24	40	32	203	120	143	SONT 083308	240	626.32 259.10
MD900.5D.250.R.08-C32	25	40	32	208	125	148	SONT 083308	250	626.32 259.10
MD900.5D.260.R.08-C32	26	40	32	212	130	152	SONT 083308	260	694.23 285.33
MD900.5D.270.R.08-C32	27	40	32	217	135	157	SONT 083308	270	694.23 285.33



Designation	DC	DF	DCONMS	OAL	LU	LPR	Insert	10 855 ...	PG 2B/41
	mm	mm	mm	mm	mm	mm		£	£
MD900.5D.280.R.09-C32	28	40	32	221	140	161	SONT 093808	280	694.23 285.33
MD900.5D.290.R.09-C32	29	40	32	226	145	166	SONT 093808	290	694.23 285.33
MD900.5D.300.R.09-C32	30	40	32	230	150	170	SONT 093808	300	694.23 285.33
MD900.5D.310.R.09-C32	31	40	32	235	155	175	SONT 093808	310	748.76 309.46
MD900.5D.320.R.09-C32	32	40	32	239	160	179	SONT 093808	320	748.76 309.46
MD900.5D.330.R.10-C40	33	50	40	259	165	191	SONT 104408	330	748.76 309.46
MD900.5D.340.R.10-C40	34	50	40	264	170	196	SONT 104408	340	748.76 309.46
MD900.5D.350.R.10-C40	35	50	40	269	175	201	SONT 104408	350	766.74 316.80
MD900.5D.360.R.10-C40	36	50	40	274	180	206	SONT 104408	360	766.74 316.80
MD900.5D.370.R.12-C40	37	56	40	285	185	215	SONT 124810	370	792.08 327.29
MD900.5D.380.R.12-C40	38	56	40	290	190	220	SONT 124810	380	792.08 327.29
MD900.5D.390.R.12-C40	39	56	40	295	195	225	SONT 124810	390	792.08 327.29
MD900.5D.400.R.12-C40	40	56	40	300	200	230	SONT 124810	400	792.08 327.29
MD900.5D.410.R.12-C40	41	56	40	305	205	235	SONT 124810	410	792.08 327.29

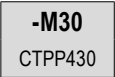
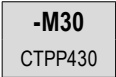
SONT

Designation	IC	D1	L	S
	mm	mm	mm	mm
SONT 0318..	5.4	2.10	3.8	1.80
SONT 0421..	4.6	2.25	4.2	2.10
SONT 0523..	5.3	2.25	4.8	2.30
SONT 0625..	5.9	2.50	5.5	2.50
SONT 0729..	6.5	2.50	6.1	2.90
SONT 0833..	7.7	2.90	7.3	3.30
SONT 0938..	8.9	3.50	8.5	3.80
SONT 1044..	10.1	4.10	9.6	4.40
SONT 1248..	11.6	4.10	11.0	4.80
SONT 1350..	13.0	5.30	12.2	5.00
SONT 1553..	15.2	5.30	14.4	5.30
SONT 1756..	17.5	5.30	16.7	5.60



SONT

KOMET \ Standard



ISO	RE	10 830 ...	PG 1A/08	10 830 ...	PG 1A/08
	mm		£		£
031804	0.4	103 1)	14.67 11.00	104	16.08 12.61
042105	0.5			105	17.04 12.78
052306	0.6			106	17.34 12.99
062506	0.6			107	17.74 13.28
072907	0.7			108	18.08 13.56
083308	0.8			109	18.54 13.90
093808	0.8			110	19.42 14.56
104408	0.8			112	20.56 15.42
124810	1.0			113	21.78 16.33
135012	1.2			115	24.08 18.53
155312	1.2			117	26.17 19.63
175612	1.2				

P	●	●
M	●	●
K	○	○
N	○	○
S	○	○
H		
O		

1) two usable cutting edges



Customer Service Centre
Freephone: 0800 073 2 073
Email: info.uk@ceratizit.com

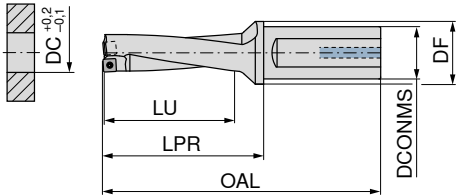


Ordering via the Online Shop
<http://cuttingtools.ceratizit.com>



KUB Pentron – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws



≤ 3xD

C

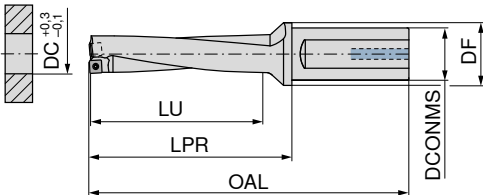
KOMET \ Performance

Designation	DC mm	DCONMS mm	DF mm	OAL mm	LU mm	LPR mm	torque moment Nm	Insert	10 873 ...	PG 2B/6#
									£	£
KUB-P.3D.140.R.04-C20	14.0	20	30	105	42	55	0,38	SOGX 040204	14001	384.25 154.20
KUB-P.3D.145.R.04-C20	14.5	20	30	109	45	59	0,38	SOGX 040204	14501	384.25 154.20
KUB-P.3D.150.R.04-C20	15.0	20	30	109	45	59	0,38	SOGX 040204	15001	384.25 154.20
KUB-P.3D.155.R.04-C20	15.5	20	30	114	48	64	0,38	SOGX 040204	15501	384.25 154.20
KUB-P.3D.160.R.04-C20	16.0	20	30	114	48	64	0,38	SOGX 040204	16001	384.25 154.20
KUB-P.3D.165.R.05-C20	16.5	20	30	118	51	68	0,62	SOGX 050204	16501	384.25 154.20
KUB-P.3D.170.R.05-C20	17.0	20	30	118	51	68	0,62	SOGX 050204	17001	384.25 154.20
KUB-P.3D.175.R.05-C25	17.5	25	30	127	54	71	0,62	SOGX 050204	17501	384.25 154.20
KUB-P.3D.180.R.05-C25	18.0	25	30	127	54	71	0,62	SOGX 050204	18001	384.25 154.20
KUB-P.3D.185.R.06-C25	18.5	25	30	131	57	75	1,01	SOGX 060206	18501	384.25 154.20
KUB-P.3D.190.R.06-C25	19.0	25	30	131	57	75	1,01	SOGX 060206	19001	384.25 154.20
KUB-P.3D.195.R.06-C25	19.5	25	30	134	60	78	1,01	SOGX 060206	19501	384.25 154.20
KUB-P.3D.200.R.06-C25	20.0	25	30	134	60	78	1,01	SOGX 060206	20001	384.25 154.20
KUB-P.3D.205.R.07-C25	20.5	25	30	138	63	82	1,01	SOGX 07T208	20501	384.25 154.20
KUB-P.3D.210.R.07-C25	21.0	25	30	138	63	82	1,01	SOGX 07T208	21001	384.25 154.20
KUB-P.3D.215.R.07-C25	21.5	25	30	141	66	85	1,01	SOGX 07T208	21501	384.25 154.20
KUB-P.3D.220.R.07-C25	22.0	25	30	141	66	85	1,01	SOGX 07T208	22002	384.25 154.20
KUB-P.3D.225.R.07-C25	22.5	25	30	145	69	89	1,01	SOGX 07T208	22502	384.25 154.20
KUB-P.3D.230.R.07-C25	23.0	25	30	145	69	89	1,01	SOGX 07T208	23002	384.25 154.20
KUB-P.3D.235.R.08-C32	23.5	32	39	152	72	92	1,28	SOGX 080308	23503	384.25 154.20
KUB-P.3D.240.R.08-C32	24.0	32	39	152	72	92	1,28	SOGX 080308	24003	384.25 154.20
KUB-P.3D.245.R.08-C32	24.5	32	39	156	75	96	1,28	SOGX 080308	24503	384.25 154.20
KUB-P.3D.250.R.08-C32	25.0	32	39	156	75	96	1,28	SOGX 080308	25003	384.25 154.20
KUB-P.3D.255.R.08-C32	25.5	32	39	159	78	99	1,28	SOGX 080308	25503	384.25 154.20
KUB-P.3D.260.R.08-C32	26.0	32	39	159	78	99	1,28	SOGX 080308	26003	384.25 154.20
KUB-P.3D.265.R.09-C32	26.5	32	39	163	81	103	2,25	SOGX 09T308	26503	384.25 154.20
KUB-P.3D.270.R.09-C32	27.0	32	39	163	81	103	2,25	SOGX 09T308	27003	384.25 154.20
KUB-P.3D.275.R.09-C32	27.5	32	39	166	84	106	2,25	SOGX 09T308	27503	384.25 154.20
KUB-P.3D.280.R.09-C32	28.0	32	39	166	84	106	2,25	SOGX 09T308	28003	384.25 154.20
KUB-P.3D.285.R.09-C32	28.5	32	39	170	87	110	2,25	SOGX 09T308	28503	384.25 154.20
KUB-P.3D.290.R.09-C32	29.0	32	39	170	87	110	2,25	SOGX 09T308	29003	384.25 154.20
KUB-P.3D.295.R.09-C32	29.5	32	39	173	90	113	2,25	SOGX 09T308	29503	384.25 154.20
KUB-P.3D.300.R.09-C32	30.0	32	39	173	90	113	2,25	SOGX 09T308	30003	384.25 154.20
KUB-P.3D.305.R.10-C40	30.5	40	50	185	93	117	2,8	SOGX 100408	30504	384.25 154.20

Designation	DC mm	DCONMS mm	DF mm	OAL mm	LU mm	LPR mm	torque moment Nm	Insert	10 873 ...	PG 2B/6#
									£	£
KUB-P.3D.310.R.10-C40	31.0	40	50	185	93	117	2,8	SOGX 100408	31004	537.41 215.05
KUB-P.3D.315.R.10-C40	31.5	40	50	188	96	120	2,8	SOGX 100408	31504	537.41 215.05
KUB-P.3D.320.R.10-C40	32.0	40	50	188	96	120	2,8	SOGX 100408	32004	537.41 215.05
KUB-P.3D.325.R.10-C40	32.5	40	50	192	99	124	2,8	SOGX 100408	32504	537.41 215.05
KUB-P.3D.330.R.10-C40	33.0	40	50	192	99	124	2,8	SOGX 100408	33004	537.41 215.05
KUB-P.3D.335.R.11-C40	33.5	40	50	195	102	127	2,8	SOGX 110408	33504	537.41 215.05
KUB-P.3D.340.R.11-C40	34.0	40	50	195	102	127	2,8	SOGX 110408	34004	537.41 215.05
KUB-P.3D.345.R.11-C40	34.5	40	50	199	105	131	2,8	SOGX 110408	34504	537.41 215.05
KUB-P.3D.350.R.11-C40	35.0	40	50	199	105	131	2,8	SOGX 110408	35004	537.41 215.05
KUB-P.3D.355.R.11-C40	35.5	40	50	202	108	134	2,8	SOGX 110408	35504	537.41 215.05
KUB-P.3D.360.R.11-C40	36.0	40	50	202	108	134	2,8	SOGX 110408	36004	537.41 215.05
KUB-P.3D.365.R.11-C40	36.5	40	50	206	111	138	2,8	SOGX 110408	36504	537.41 215.05
KUB-P.3D.370.R.11-C40	37.0	40	50	206	111	138	2,8	SOGX 110408	37004	537.41 215.05
KUB-P.3D.375.R.12-C40	37.5	40	50	209	114	141	6,25	SOGX 120408	37504	537.41 215.05
KUB-P.3D.380.R.12-C40	38.0	40	50	209	114	141	6,25	SOGX 120408	38004	537.41 215.05
KUB-P.3D.385.R.12-C40	38.5	40	50	213	117	145	6,25	SOGX 120408	38504	537.41 215.05
KUB-P.3D.390.R.12-C40	39.0	40	50	213	117	145	6,25	SOGX 120408	39004	537.41 215.05
KUB-P.3D.395.R.12-C40	39.5	40	50	216	120	148	6,25	SOGX 120408	39504	537.41 215.05
KUB-P.3D.400.R.12-C40	40.0	40	50	216	120	148	6,25	SOGX 120408	40004	537.41 215.05
KUB-P.3D.405.R.12-C40	40.5	40	50	220	123	152	6,25	SOGX 120408	40504	537.41 215.05
KUB-P.3D.410.R.12-C40	41.0	40	50	220	123	152	6,25	SOGX 120408	41004	537.41 215.05
KUB-P.3D.415.R.12-C40	41.5	40	50	223	126	155	6,25	SOGX 120408	41504	537.41 215.05
KUB-P.3D.420.R.12-C40	42.0	40	50	223	126	155	6,25	SOGX 120408	42004	537.41 215.05
KUB-P.3D.425.R.13-C40	42.5	40	50	227	129	159	6,25	SOGX 130508	42504	537.41 215.05
KUB-P.3D.430.R.13-C40	43.0	40	50	227	129	159	6,25	SOGX 130508	43004	537.41 215.05
KUB-P.3D.435.R.13-C40	43.5	40	50	230	132	162	6,25	SOGX 130508	43504	537.41 215.05
KUB-P.3D.440.R.13-C40	44.0	40	50	230	132	162	6,25	SOGX 130508	44004	537.41 215.05
KUB-P.3D.445.R.13-C40	44.5	40	50	234	135	166	6,25	SOGX 130508	44504	537.41 215.05
KUB-P.3D.450.R.13-C40	45.0	40	50	234	135	166	6,25	SOGX 130508	45004	537.41 215.05
KUB-P.3D.455.R.13-C40	45.5	40	50	237	138	169	6,25	SOGX 130508	45504	537.41 215.05
KUB-P.3D.460.R.13-C40	46.0	40	50	237	138	169	6,25	SOGX 130508	46004	537.41 215.05

KUB Pentron – Indexable insert drill

Scope of supply:
Indexable Insert Drill incl. clamping screws



≤ 4xD

C

KOMET \ Performance

Designation	DC	DCONMS	DF	OAL	LU	LPR	torque moment	Insert		10 874 ...	PG 2B/6#
	mm	mm	mm	mm	mm	mm	Nm			£	£
KUB-P.4D.140.R.04-C20	14.0	20	30	119	56	69	0,38	SOGX 040204		14001	488.28 196.16
KUB-P.4D.145.R.04-C20	14.5	20	30	124	60	74	0,38	SOGX 040204		14501	488.28 196.16
KUB-P.4D.150.R.04-C20	15.0	20	30	124	60	74	0,38	SOGX 040204		15001	488.28 196.16
KUB-P.4D.155.R.04-C20	15.5	20	30	130	64	80	0,38	SOGX 040204		15501	488.28 196.16
KUB-P.4D.160.R.04-C20	16.0	20	30	130	64	80	0,38	SOGX 040204		16001	488.28 196.16
KUB-P.4D.165.R.05-C20	16.5	20	30	135	68	85	0,62	SOGX 050204		16501	488.28 196.16
KUB-P.4D.170.R.05-C20	17.0	20	30	135	68	85	0,62	SOGX 050204		17001	503.40 201.41
KUB-P.4D.175.R.05-C25	17.5	25	30	145	72	89	0,62	SOGX 050204		17502	503.40 201.41
KUB-P.4D.180.R.05-C25	18.0	25	30	145	72	89	0,62	SOGX 050204		18002	503.40 201.41
KUB-P.4D.185.R.06-C25	18.5	25	30	150	76	94	1,01	SOGX 060206		18502	503.40 201.41
KUB-P.4D.190.R.06-C25	19.0	25	30	150	76	94	1,01	SOGX 060206		19002	517.88 206.65
KUB-P.4D.195.R.06-C25	19.5	25	30	154	80	98	1,01	SOGX 060206		19502	517.88 206.65
KUB-P.4D.200.R.06-C25	20.0	25	30	154	80	98	1,01	SOGX 060206		20002	517.88 206.65
KUB-P.4D.205.R.07-C25	20.5	25	30	159	84	103	1,01	SOGX 07T208		20502	537.44 215.05
KUB-P.4D.210.R.07-C25	21.0	25	30	159	84	103	1,01	SOGX 07T208		21002	537.44 215.05
KUB-P.4D.215.R.07-C25	21.5	25	30	163	88	107	1,01	SOGX 07T208		21502	537.44 215.05
KUB-P.4D.220.R.07-C25	22.0	25	30	163	88	107	1,01	SOGX 07T208		22002	537.44 215.05
KUB-P.4D.225.R.07-C25	22.5	25	30	168	92	112	1,01	SOGX 07T208		22502	537.44 215.05
KUB-P.4D.230.R.07-C25	23.0	25	30	168	92	112	1,01	SOGX 07T208		23002	537.44 215.05
KUB-P.4D.235.R.08-C32	23.5	32	39	176	96	116	1,28	SOGX 080308		23503	557.64 223.44
KUB-P.4D.240.R.08-C32	24.0	32	39	176	96	116	1,28	SOGX 080308		24003	557.64 223.44
KUB-P.4D.245.R.08-C32	24.5	32	39	181	100	121	1,28	SOGX 080308		24503	557.64 223.44
KUB-P.4D.250.R.08-C32	25.0	32	39	181	100	121	1,28	SOGX 080308		25003	557.64 223.44
KUB-P.4D.255.R.08-C32	25.5	32	39	185	104	125	1,28	SOGX 080308		25503	557.64 223.44
KUB-P.4D.260.R.08-C32	26.0	32	39	185	104	125	1,28	SOGX 080308		26003	557.64 223.44
KUB-P.4D.265.R.09-C32	26.5	32	39	190	108	130	2,25	SOGX 09T308		26503	629.85 251.76
KUB-P.4D.270.R.09-C32	27.0	32	39	190	108	130	2,25	SOGX 09T308		27003	629.85 251.76
KUB-P.4D.275.R.09-C32	27.5	32	39	194	112	134	2,25	SOGX 09T308		27503	629.85 251.76
KUB-P.4D.280.R.09-C32	28.0	32	39	194	112	134	2,25	SOGX 09T308		28003	629.85 251.76
KUB-P.4D.285.R.09-C32	28.5	32	39	199	116	139	2,25	SOGX 09T308		28503	629.85 251.76
KUB-P.4D.290.R.09-C32	29.0	32	39	199	116	139	2,25	SOGX 09T308		29003	629.85 251.76
KUB-P.4D.295.R.09-C32	29.5	32	39	203	120	143	2,25	SOGX 09T308		29503	629.85 251.76
KUB-P.4D.300.R.09-C32	30.0	32	39	203	120	143	2,25	SOGX 09T308		30003	629.85 251.76
KUB-P.4D.305.R.10-C40	30.5	40	50	216	124	148	2,8	SOGX 100408		30504	667.27 266.45



-01

Allrounder chip breaker for normal materials.



-03

Best swarf control for tough to machine materials including super alloys.



-13

Good swarf control and low power/cutting forces.

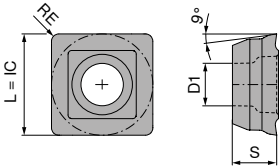


-21

Lowest power/cutting forces. For larger diameters on low power machines.

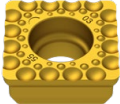
SOGX

Designation	L mm	IC mm	D1 mm	S mm
SOGX 0402..	4.8	4.8	2.05	2.20
SOGX 0502..	5.5	5.5	2.30	2.40
SOGX 0602..	6.2	6.2	2.60	2.75
SOGX 07T2..	7.1	7.1	2.60	2.97
SOGX 0803..	8.0	8.0	2.85	3.40
SOGX 09T3..	8.9	8.9	3.40	3.90
SOGX 1004..	9.8	9.8	4.10	4.20
SOGX 1104..	10.9	10.9	4.10	4.50
SOGX 1204..	12.0	12.0	5.20	4.80
SOGX 1305..	13.2	13.2	5.20	5.20



SOGX

KOMET \ Performance

		-21 BK8430		-13 BK8425		-03 BK8430		-01 BK8425		-01 BK7935	
											
ISO	RE mm	10 820 ... PG 1A/3#		10 820 ... PG 1A/3#		10 820 ... PG 1A/3#		10 820 ... PG 1A/3#		10 820 ... PG 1A/3#	
		£	£	£	£	£	£	£	£	£	£
040204	0.4	00421	19.84 14.87	30413	18.66 13.99	00403	18.66 13.99	30401	18.66 7.34	50401	18.67 14.00
050204	0.4	00521	19.95 14.97	30513	18.79 14.09	00503	18.79 14.09	30501	18.79 7.34	50501	18.81 14.11
060206	0.6	00621	20.10 15.07	30613	18.91 14.18	00603	18.91 14.18	30601	18.91 7.34	50601	18.93 14.20
07T208	0.8	00721	20.21 15.16	30713	19.03 14.28	00703	19.03 14.28	30701	19.03 7.34	50701	19.08 14.31
080308	0.8	00821	20.35 15.26	30813	19.15 14.37	00803	19.15 14.37	30801	19.15 7.34	50801	19.14 14.36
09T308	0.8			30913	19.87 14.91	00903	19.87 14.91	30901	19.87 8.39	50901	19.86 14.90
100408	0.8	01021	21.76 16.32	31013	20.17 15.35	01003	20.17 15.35	31001	20.17 8.39	51001	20.52 15.39
110408	0.8	01121	22.10 16.79	31113	21.08 15.82	01103	21.08 15.82	31101	21.08 8.39	51101	21.08 15.82
120408	0.8	01221	23.55 17.67	31213	22.17 16.63	01203	22.17 16.63	31201	22.17 8.39	51201	22.14 16.61
130508	0.8	01321	27.40 20.55	31313	25.77 19.33	01303	25.77 19.33	31301	25.77 10.49	51301	25.85 19.39
P		●		●		●		●		●	
M		●		●		●		●		●	
K		●		●		●		●		●	
N		○		○		○		○		○	
S		●		●		●		●		●	
H		○		○		○		○		○	
O										○	





UK LOGISTICS
WHEN YOU SEE THIS LOGO
IT'S IN STOCK IN SHEFFIELD





REAMING



Fullmax – high performance solid carbide machine reamer for through and blind hole reaming in all materials.



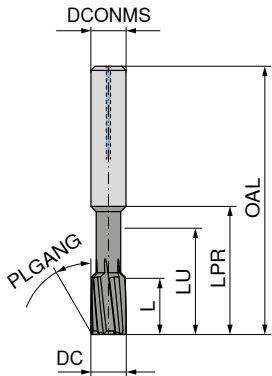
Type N – for all standard low volume applications.

Fullmax – High-performance machine reamers, short

- ▲ extremely irregular pitch
- ▲ designed for high-speed machining
- ▲ specialised geometry and coating for universal use
- ▲ tolerance: Ø 2,96 – 6,03 mm = +0,004 mm
- ▲ tolerance: Ø 6,04 – 20,05 mm = +0,005 mm



KOMET \ Performance



51P.57
Left Hand Helix
PLGANG 30°
ASG2210
Solid carbide
Through hole

DC +0,004/+0,005 mm	OAL mm	L mm	LU mm	DCONMS _{h6} mm	ZEFP
3,97	50	12	24	4	4
3,98	50	12	24	4	4
3,99	50	12	24	4	4
4,00	50	12	24	4	4
4,01	50	12	24	4	4
4,02	50	12	24	4	4
4,03	50	12	24	4	4
4,97	64	12	31	6	4
4,98	64	12	31	6	4
4,99	64	12	31	6	4
5,00	64	12	31	6	4
5,01	64	12	31	6	4
5,02	64	12	31	6	4
5,03	64	12	31	6	4
5,97	64	12	31	6	4
5,98	64	12	31	6	4
5,99	64	12	31	6	4
6,00	64	12	31	6	4
6,01	64	12	31	6	4
6,02	64	12	31	6	4
6,03	64	12	31	6	4
7,97	70	16	31	8	6
7,98	70	16	31	8	6
7,99	70	16	31	8	6
8,00	70	16	31	8	6
8,01	70	16	31	8	6
8,02	70	16	31	8	6
8,03	70	16	31	8	6
9,97	80	16	35	10	6
9,98	80	16	35	10	6
9,99	80	16	35	10	6
10,00	80	16	35	10	6
10,01	80	16	35	10	6
10,02	80	16	35	10	6
10,03	80	16	35	10	6
11,97	90	20	40	12	6
11,98	90	20	40	12	6
11,99	90	20	40	12	6
12,00	90	20	40	12	6
12,01	90	20	40	12	6
12,02	90	20	40	12	6
12,03	90	20	40	12	6

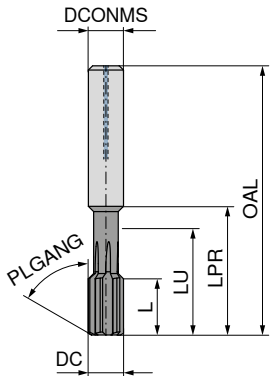
P	●
M	●
K	●
N	○
S	○
H	○
O	

Fullmax – High-performance machine reamers, short

- ▲ extremely irregular pitch
- ▲ designed for high-speed machining
- ▲ specialised geometry and coating for universal use
- ▲ tolerance: Ø 2,96 – 6,03 mm = +0,004 mm
- ▲ tolerance: Ø 6,04 – 20,05 mm = +0,005 mm



KOMET \ Performance



51M.57
straight flute
PLGANG 60°
ASG2110
Solid carbide
Blind hole

DC +0,004/+0,005 mm	OAL mm	L mm	LU mm	DCONMS _{h6} mm	ZEFP
3,97	50	12	24	4	4
3,98	50	12	24	4	4
3,99	50	12	24	4	4
4,00	50	12	24	4	4
4,01	50	12	24	4	4
4,02	50	12	24	4	4
4,03	50	12	24	4	4
4,97	64	12	31	6	4
4,98	64	12	31	6	4
4,99	64	12	31	6	4
5,00	64	12	31	6	4
5,01	64	12	31	6	4
5,02	64	12	31	6	4
5,03	64	12	31	6	4
5,97	64	12	31	6	4
5,98	64	12	31	6	4
5,99	64	12	31	6	4
6,00	64	12	31	6	4
6,01	64	12	31	6	4
6,02	64	12	31	6	4
6,03	64	12	31	6	4
7,97	70	16	31	8	6
7,98	70	16	31	8	6
7,99	70	16	31	8	6
8,00	70	16	31	8	6
8,01	70	16	31	8	6
8,02	70	16	31	8	6
8,03	70	16	31	8	6
9,97	80	16	35	10	6
9,98	80	16	35	10	6
9,99	80	16	35	10	6
10,00	80	16	35	10	6
10,01	80	16	35	10	6
10,02	80	16	35	10	6
10,03	80	16	35	10	6
11,97	90	20	40	12	6
11,98	90	20	40	12	6
11,99	90	20	40	12	6
12,00	90	20	40	12	6
12,01	90	20	40	12	6
12,02	90	20	40	12	6
12,03	90	20	40	12	6

P	●
M	●
K	●
N	○
S	○
H	○
O	



Connect with us on

facebook



cutting.tools/facebook/ct-uk



Customer Service Centre
Freephone: 0800 073 2 073
Email: info.uk@ceratizit.com



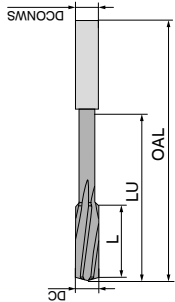
Ordering via the Online Shop
http://cuttingtools.ceratizit.com



Machine reamers, similar to DIN 8093-A / -B

▲ extremely irregular pitch

N



DC _{H7}	OAL	L	LU	DCONMS _{H7}	ZEFP	40 405 ...	PG U4/4R	40 415 ...	PG U4/4R
mm	mm	mm	mm	mm		£	£	£	£
2.0	49	11	31	2.0	4	02000	59.83 20.26	02000	59.83 20.26
2.1	49	11	31	2.0	4	02100	70.59 24.33	02100	70.59 24.33
2.2	53	12	35	2.2	4	02200	70.59 24.33	02200	70.59 24.33
2.3	53	12	35	2.2	4	02300	70.59 24.33	02300	70.59 24.33
2.4	57	14	34	2.5	4	02400	70.59 24.33	02400	70.59 24.33
2.5	57	14	34	2.5	4	02500	63.40 21.72	02500	63.40 21.72
2.6	57	14	34	2.5	4	02600	75.83 26.07	02600	75.83 26.07
2.7	61	15	36	3.0	4	02700	75.83 26.07	02700	75.83 26.07
2.8	61	15	36	3.0	4	02800	75.83 26.07	02800	75.83 26.07
2.9	61	15	36	3.0	4	02900	75.83 26.07	02900	75.83 26.07
3.0	61	15	36	3.0	4	03000	68.31 23.33	03000	68.31 23.33
3.1	61	15	36	3.0	4	03100	81.92 28.05	03100	81.92 28.05
3.2	70	18	40	3.5	4	03200	81.92 28.05	03200	81.92 28.05
3.3	70	18	40	3.5	4	03300	81.92 28.05	03300	81.92 28.05
3.4	70	18	40	3.5	4	03400	81.92 28.05	03400	81.92 28.05
3.5	70	18	40	3.5	4	03500	77.86 26.70	03500	77.86 26.70
3.6	70	18	40	3.5	4	03600	93.49 32.02	03600	93.49 32.02
3.7	70	18	40	3.5	4	03700	93.49 32.02	03700	93.49 32.02
3.8	75	19	43	4.0	4	03800	93.49 32.02	03800	93.49 32.02
3.9	75	19	43	4.0	4	03900	93.49 32.02	03900	93.49 32.02
4.0	75	19	43	4.0	4	04000	83.66 28.72	04000	83.66 28.72
4.1	75	19	43	4.0	4	04100	100.75 34.45	04100	100.75 34.45
4.2	75	19	43	4.0	4	04200	100.75 34.45	04200	100.75 34.45
4.3	75	21	42	4.5	4	04300	100.75 34.45	04300	100.75 34.45
4.4	75	21	42	4.5	4	04400	100.75 34.45	04400	100.75 34.45
4.5	75	21	42	4.5	4	04500	91.28 31.23	04500	91.28 31.23
4.6	75	21	42	4.5	4	04600	109.40 37.48	04600	109.40 37.48
4.7	75	21	42	4.5	4	04700	109.40 37.48	04700	109.40 37.48
4.8	86	23	52	5.0	6	04800	109.40 37.48	04800	109.40 37.48
4.9	86	23	52	5.0	6	04900	109.40 37.48	04900	109.40 37.48
5.0	86	23	52	5.0	6	05000	102.75 35.28	05000	102.75 35.28
5.1	86	23	52	5.0	6	05100	118.38 40.60	05100	118.38 40.60
5.2	86	23	52	5.0	6	05200	118.38 40.60	05200	118.38 40.60
5.3	86	23	52	5.0	6	05300	118.38 40.60	05300	118.38 40.60
5.4	93	26	57	5.6	6	05400	118.38 40.60	05400	118.38 40.60
5.5	93	26	57	5.6	6	05500	108.79 37.34	05500	108.79 37.34
5.6	93	26	57	5.6	6	05600	125.31 42.90	05600	125.31 42.90
5.7	93	26	57	5.6	6	05700	125.31 42.90	05700	125.31 42.90
5.8	93	26	57	5.6	6	05800	125.31 42.90	05800	125.31 42.90
5.9	93	26	57	5.6	6	05900	125.31 42.90	05900	125.31 42.90
6.0	93	26	57	5.6	6	06000	130.24 44.67	06000	130.24 44.67
6.1	93	26	57	5.6	6	06100	149.92 51.34	06100	149.92 51.34
6.2	93	26	57	5.6	6	06200	149.92 51.34	06200	149.92 51.34
6.3	101	28	63	6.3	6	06300	149.92 51.34	06300	149.92 51.34
6.4	101	28	63	6.3	6	06400	149.92 51.34	06400	149.92 51.34

DC _{H7}	OAL	L	LU	DCONMS _{H7}	ZEFP	40 405 ...	PG U4/4R	40 415 ...	PG U4/4R
mm	mm	mm	mm	mm		£	£	£	£
6.5	101	28	63	6.3	6	06500	145.88 50.14	06500	145.88 50.14
6.6	101	28	63	6.3	6	06600	168.14 57.65	06600	168.14 57.65
6.7	101	28	63	6.3	6	06700	168.14 57.65	06700	168.14 57.65
6.8	109	31	69	7.1	6	06800	168.14 57.65	06800	168.14 57.65
6.9	109	31	69	7.1	6	06900	168.14 57.65	06900	168.14 57.65
7.0	109	31	69	7.1	6	07000	163.23 55.97	07000	163.23 55.97
7.1	109	31	69	7.1	6	07100	187.55 64.38	07100	187.55 64.38
7.2	109	31	69	7.1	6	07200	187.55 64.38	07200	187.55 64.38
7.3	109	31	69	7.1	6	07300	187.55 64.38	07300	187.55 64.38
7.4	109	31	69	7.1	6	07400	187.55 64.38	07400	187.55 64.38
7.5	109	31	69	7.1	6	07500	176.57 60.51	07500	176.57 60.51
7.6	117	33	75	8.0	6	07600	203.18 69.57	07600	203.18 69.57
7.7	117	33	75	8.0	6	07700	203.18 69.57	07700	203.18 69.57
7.8	117	33	75	8.0	6	07800	203.18 69.57	07800	203.18 69.57
7.9	117	33	75	8.0	6	07900	203.18 69.57	07900	203.18 69.57
8.0	117	33	75	8.0	6	08000	187.55 64.42	08000	187.55 64.42
8.1	117	33	75	8.0	6	08100	206.68 70.87	08100	206.68 70.87
8.2	117	33	75	8.0	6	08200	206.68 70.87	08200	206.68 70.87
8.3	117	33	75	8.0	6	08300	206.68 70.87	08300	206.68 70.87
8.4	117	33	75	8.0	6	08400	206.68 70.87	08400	206.68 70.87
8.5	117	33	75	8.0	6	08500	203.76 69.85	08500	203.76 69.85
8.6	125	36	81	9.0	6	08600	223.74 76.81	08600	223.74 76.81
8.7	125	36	81	9.0	6	08700	223.74 76.81	08700	223.74 76.81
8.8	125	36	81	9.0	6	08800	223.74 76.81	08800	223.74 76.81
8.9	125	36	81	9.0	6	08900	223.74 76.81	08900	223.74 76.81
9.0	125	36	81	9.0	6	09000	210.23 74.90	09000	210.23 74.90
9.1	125	36	81	9.0	6	09100	239.96 82.36	09100	239.96 82.36
9.2	125	36	81	9.0	6	09200	239.96 82.36	09200	239.96 82.36
9.3	125	36	81	9.0	6	09300	239.96 82.36	09300	239.96 82.36
9.4	125	36	81	9.0	6	09400	239.96 82.36	09400	239.96 82.36
9.5	125	36	81	9.0	6	09500	233.86 80.31	09500	233.86 80.31
9.6	133	38	87	10.0	6	09600	257.36 88.34	09600	257.36 88.34
9.7	133	38	87	10.0	6	09700	257.36 88.34	09700	257.36 88.34
9.8	133	38	87	10.0	6	09800	257.36 88.34	09800	257.36 88.34
9.9	133	38	87	10.0	6	09900	257.36 88.34	09900	257.36 88.34
10.0	133	38	87	10.0	6	10000	251.84 86.42	10000	251.84 86.42
10.1	133	38	87	10.0	6	10100	277.37 95.07	10100	277.37 95.07
10.2	133	38	87	10.0	6	10200	277.37 95.07	10200	277.37 95.07
10.3	133	38	87	10.0	6	10300	277.37 95.07	10300	277.37 95.07
10.4	133	38	87	10.0	6	10400	277.37 95.07	10400	277.37 95.07
10.5	133	38	87	10.0	6	10500	263.61 90.32	10500	263.61 90.32
10.6	133	38	87	10.0	6	10600	289.38 99.37	10600	289.38 99.37
10.7	142	41	96	10.0	6	10700	289.38 99.37	10700	289.38 99.37
10.8	142	41	96	10.0	6	10800	289.38 99.37	10800	289.38 99.37
10.9	142	41	96	10.0	6	10900	289.38 99.37	10900	289.38 99.37
11.0	142	41	96	10.0	6	11000	285.12 97.89	11000	285.12 97.89
11.1	142	41	96	10.0	6	11100	315.37 107.68	11100	315.37 107.68
11.2	142	41	96	10.0	6	11200	315.37 107.68	11200	315.37 107.68
11.3	142	41	96	10.0	6	11300	315.37 107.68	11300	315.37 107.68
11.4	142	41	96	10.0	6	11400	315.37 107.68	11400	315.37 107.68
11.5	142	41	96	10.0	6	11500	304.14 103.85	11500	304.14 103.85
11.6	142	41	96	10.0	6	11600	332.89 114.29	11600	332.89 114.29
11.7	142	41	96	10.0	6	11700	332.89 114.29	11700	332.89 114.29
11.8	142	41	96	10.0	6	11800	332.89 114.29	11800	332.89 114.29
11.9	151	44	100	10.0	6	11900	332.89 114.29	11900	332.89 114.29
12.0	151	44	100	10.0	6	12000	327.14 112.57	12000	327.14 112.57

P

M

K

N

S

H

O



Connect with us on

LinkedIn



cutting.tools/linkedin/ct-uk





HSS TAPS



UNI – universal taps for all standard materials.



VA – problem solver for stainless and difficult to machine materials.

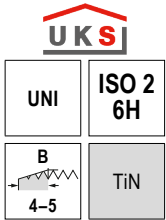
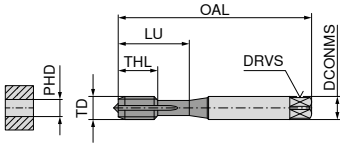


Roll tapping – 23-810 range. For all suitable applications and materials.

Through hole – Machine taps, right hand



WNT \ Standard



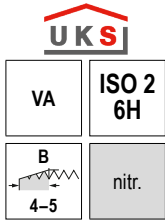
POWDERSTEEL

HSS-PM

FHA 0°

≤ 1000 N/mm²

≤ 3xD



POWDERSTEEL

HSS-PM

FHA 0°

≤ 1200 N/mm²

≤ 3xD

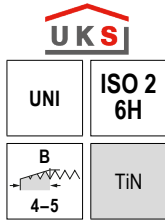
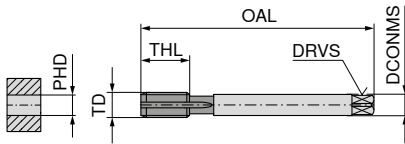
TD	TP	OAL	DCONMS	DRVS	PHD	THL	LU	Flutes	23 010 ...	PG	T9
mm	mm	mm	mm	mm	mm	mm	mm			£	£
M2	0.40	45	2.8	2.1	1.6	4	13.5	2	020	12.23	10.40
M3	0.50	56	3.5	2.7	2.5	11	18.0	3	030	15.97	13.06
M4	0.70	63	4.5	3.4	3.3	13	21.0	3	040	14.91	11.92
M5	0.80	70	6.0	4.9	4.2	15	25.0	3	050	15.67	13.32
M6	1.00	80	6.0	4.9	5.0	17	30.0	3	060	18.79	15.97
M8	1.25	90	8.0	6.2	6.8	20	35.0	3	080	29.85	17.73
M10	1.50	100	10.0	8.0	8.5	22	39.0	3	100	27.59	23.46

TD	TP	OAL	DCONMS	DRVS	PHD	THL	LU	Flutes	23 450 ...	PG	T9
mm	mm	mm	mm	mm	mm	mm	mm			£	£
M2	0.40	45	2.8	2.1	1.6	4	13.5	2	030	14.92	12.17
M3	0.50	56	3.5	2.7	2.5	11	18.0	3	040	14.46	12.28
M4	0.70	63	4.5	3.4	3.3	13	21.0	3	050	15.67	13.32
M5	0.80	70	6.0	4.9	4.2	15	25.0	3	060	15.79	13.42
M6	1.00	80	6.0	4.9	5.0	17	30.0	3	080	17.75	15.08
M8	1.25	90	8.0	6.2	6.8	20	35.0	3	100	28.43	17.11

Through hole – Machine taps, right hand



WNT \ Standard



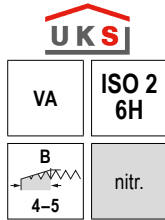
POWDERSTEEL

HSS-PM

FHA 0°

≤ 1000 N/mm²

≤ 3xD



POWDERSTEEL

HSS-PM

FHA 0°

≤ 1200 N/mm²

≤ 3xD

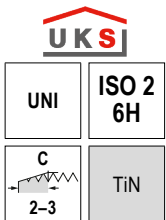
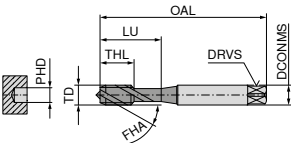
TD	TP	OAL	DCONMS	DRVS	PHD	THL	Flutes	23 021 ...	PG	T9
mm	mm	mm	mm	mm	mm	mm			£	£
M12	1.75	110	9	7	10.2	24	3	120	32.95	28.01
M14	2.00	110	11	9	12.0	26	3	140	49.94	42.45
M16	2.00	110	12	9	14.0	27	3	160	46.38	39.42
M18	2.50	125	14	11	15.5	25	4	180	81.23	69.05
M20	2.50	140	16	12	17.5	32	3	200	89.93	71.34

TD	TP	OAL	DCONMS	DRVS	PHD	THL	Flutes	23 451 ...	PG	T9
mm	mm	mm	mm	mm	mm	mm			£	£
M12	1.75	110	9	7	10.2	24	3	120	35.94	30.55
M14	2.00	110	11	9	12.0	26	3	140	47.56	40.43
M16	2.00	110	12	9	14.0	27	3	160	58.26	42.72
M18	2.50	125	14	11	15.5	25	4	180	75.13	63.86

Blind hole – Machine taps, right hand



WNT \ Standard

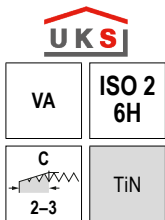


HSS-PM

FHA 50°

≤ 1000 N/mm²

≤ 2,5xD



HSS-PM

FHA 40°

≤ 1200 N/mm²

≤ 2,5xD

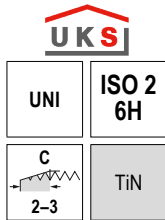
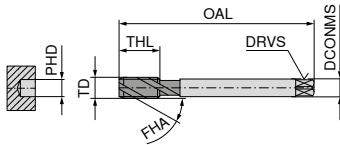
TD	TP	OAL	DCONMS	DRVS	PHD	THL	LU	Flutes	23 026 ...	PG	T9
mm	mm	mm	mm	mm	mm	mm	mm			£	£
M3	0.50	56	3.5	2.7	2.5	6	18	3	030	17.43	14.82
M4	0.70	63	4.5	3.4	3.3	7	21	3	040	17.43	14.82
M5	0.80	70	6.0	4.9	4.2	8	25	3	050	19.70	15.97
M6	1.00	80	6.0	4.9	5.0	10	30	3	060	21.76	18.49
M8	1.25	90	8.0	6.2	6.8	14	35	3	080	25.82	21.95
M10	1.50	100	10.0	8.0	8.5	16	39	3	100	32.51	27.63

TD	TP	OAL	DCONMS	DRVS	PHD	THL	LU	Flutes	23 456 ...	PG	T9
mm	mm	mm	mm	mm	mm	mm	mm			£	£
M3	0.50	56	3.5	2.7	2.5	6	18	3	030	17.43	14.82
M4	0.70	63	4.5	3.4	3.3	7	21	3	040	19.88	16.22
M5	0.80	70	6.0	4.9	4.2	8	25	3	050	19.38	16.48
M6	1.00	80	6.0	4.9	5.0	10	30	3	060	24.83	21.16
M8	1.25	90	8.0	6.2	6.8	14	35	3	080	26.69	22.68
M10	1.50	100	10.0	8.0	8.5	16	39	3	100	36.81	31.29

Blind hole – Machine taps, right hand



WNT \ Standard

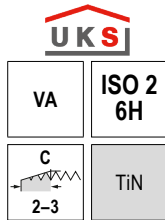


HSS-PM

FHA 50°

≤ 1000 N/mm²

≤ 2,5xD



HSS-PM

FHA 40°

≤ 1200 N/mm²

≤ 2,5xD

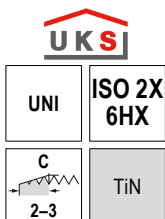
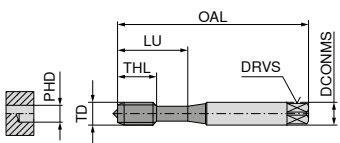
TD	TP	OAL	DCONMS	DRVS	PHD	THL	Flutes	23 027 ...	PG	T9
mm	mm	mm	mm	mm	mm	mm			£	£
M12	1.75	110	9	7	10.2	18	4	120	38.46	32.69
M12	1.75	110	9	7	10.2	18	3	140	55.31	47.02
M14	2.00	110	11	9	12.0	20	4	160	55.31	47.02
M16	2.00	110	12	9	14.0	22	4	180	66.33	56.38
M16	2.00	110	12	9	14.0	22	3	200	63.37	53.87

TD	TP	OAL	DCONMS	DRVS	PHD	THL	Flutes	23 457 ...	PG	T9
mm	mm	mm	mm	mm	mm	mm			£	£
M12	1.75	110	9	7	10.2	18	3	120	52.78	44.86
M14	2.00	110	11	9	12.0	20	4	140	55.31	47.02
M16	2.00	110	12	9	14.0	22	4	160	66.33	56.38
M16	2.00	110	12	9	14.0	22	3	180	131.76	112.00

Through hole / Blind hole – Machine thread formers, right hand



WNT \ Standard



POWDERSTEEL

HSS-E

≤ 850 N/mm²

≤ 3xD

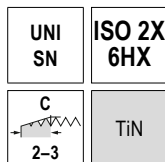
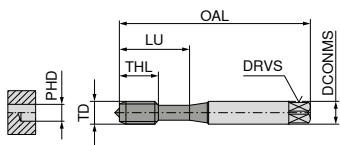
TD	TP	OAL	DCONMS	DRVS	PHD	THL	LU
mm	mm	mm	mm	mm	mm	mm	mm
M2	0.40	45	2.8	2.1	1.85	7	12
M2,5	0.45	50	2.8	2.1	2.33	9	14
M3	0.50	56	3.5	2.7	2.80	11	18
M4	0.70	63	4.5	3.4	3.70	13	21
M5	0.80	70	6.0	4.9	4.65	15	25
M6	1.00	80	6.0	4.9	5.60	17	30
M8	1.25	90	8.0	6.2	7.45	20	35
M10	1.50	100	10.0	8.0	9.35	22	39

TD	TP	OAL	DCONMS	DRVS	PHD	THL	LU	23 810 ...	PG	T9
mm	mm	mm	mm	mm	mm	mm	mm		£	£
M2	0.40	45	2.8	2.1	1.85	7	12	020	52.82	44.90
M2,5	0.45	50	2.8	2.1	2.33	9	14	025	47.85	39.99
M3	0.50	56	3.5	2.7	2.80	11	18	030	34.25	29.11
M4	0.70	63	4.5	3.4	3.70	13	21	040	34.74	29.53
M5	0.80	70	6.0	4.9	4.65	15	25	050	37.24	31.66
M6	1.00	80	6.0	4.9	5.60	17	30	060	44.78	37.99
M8	1.25	90	8.0	6.2	7.45	20	35	080	49.92	42.43
M10	1.50	100	10.0	8.0	9.35	22	39	100	66.57	56.58

Through hole / Blind hole – Machine thread formers, right hand



WNT \ Standard



POWDERSTEEL

HSS-E

≤ 850 N/mm²

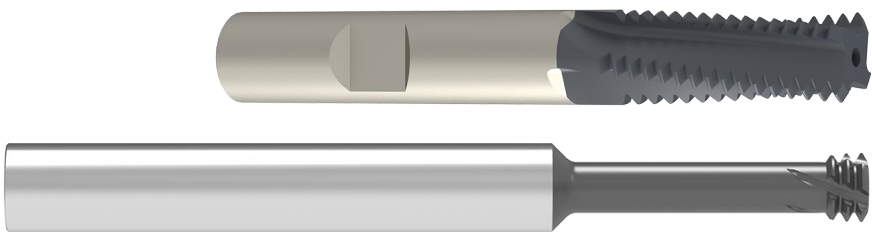
≤ 3xD

TD	TP	OAL	DCONMS	DRVS	PHD	THL	LU
mm	mm	mm	mm	mm	mm	mm	mm
M2	0.40	45	2.8	2.1	1.85	7	12
M2,5	0.45	50	2.8	2.1	2.33	9	14
M3	0.50	56	3.5	2.7	2.80	11	18
M4	0.70	63	4.5	3.4	3.70	13	21
M5	0.80	70	6.0	4.9	4.65	15	25
M6	1.00	80	6.0	4.9	5.60	17	30
M8	1.25	90	8.0	6.2	7.45	20	35
M10	1.50	100	10.0	8.0	9.35	22	39

23 814 ...		PG	T9
	£	£	
020	60.01	45.11	
025	54.48	40.91	
030	36.47	27.27	
040	78.14	58.74	
050	82.48	61.89	
060	94.58	71.33	
080	98.79	74.48	
100	63.75	48.25	

A close-up photograph of a thread milling cutter in operation. The cutter, a multi-fluted metal tool, is positioned above a workpiece. As it rotates, it removes metal chips, creating a series of parallel threads in the workpiece. The background is dark, and the lighting highlights the metallic surfaces and the sparks from the cutting process.

THREAD MILLING CUTTERS



SGF

- ▲ universal application for all materials.
- ▲ 2xD
- ▲ 3xD and 4xD
- ▲ metric fine version available in 2xD.

MonoThread – Thread milling cutter

- ▲ Profile corrected
- ▲ Hard machining from Ø DC = 4 mm possible

SGF



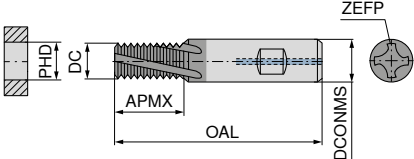
IR/IL



≤ 2xD



M



UKS

Ti500





Solid carbide

DC mm	Thread	TP mm	APMX mm	DCONMS _{h6} mm	OAL mm	ZEFP	PHD mm	54 821 ...	PG W8/W
								£	£
2.40	M3	0.50	7.0	4	42	2	2.50	03000 ¹⁾	125.68 115.39
3.15	M4	0.70	10.0	6	55	3	3.30	04000 ²⁾	125.68 115.39
4.00	M5	0.80	12.2	6	55	3	4.20	05000 ²⁾	125.68 115.39
4.80	M6	1.00	14.3	6	55	3	5.00	06000 ²⁾	125.68 115.39
6.00	M8	1.25	19.0	6	60	3	6.75	08000	131.94 125.88
8.00	M10	1.50	23.0	8	70	3	8.50	10000	159.52 157.35
9.90	M12	1.75	28.6	10	75	4	10.25	12000	192.87 188.82
11.60	M14	2.00	32.6	12	85	4	12.00	14000	223.34 220.29
12.00	M16	2.00	36.6	12	85	4	14.00	16000	233.45 230.78
14.00	M18	2.50	43.3	14	90	4	15.50	18000	276.46 272.74
16.00	M20	2.50	43.3	16	90	4	17.50	20000	287.48 283.23

P

M

K

N

S

H

O

1) DIN 6535 HA Shank / Without Through Coolant

2) Without Through Coolant

MonoThread – Circular shank thread milling cutter

- ▲ Available on request from M1
- ▲ Profile corrected

SGF



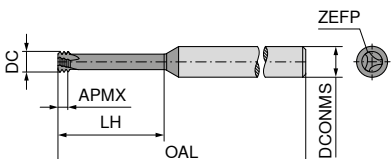
IR/IL



≤ 3xD



M



UKS

Ti600





Solid carbide

DC mm	Thread	TP mm	OAL mm	APMX mm	LH mm	DCONMS _{h6} mm	ZEFP	50 802 ...	PG W1
								£	£
1.53	M2	0.40	39	0.80	6.0	3	3	02000	96.94 96.51
2.37	M3	0.50	58	1.35	9.5	6	3	03000	96.94 96.51
3.10	M4	0.70	58	1.95	12.5	6	3	04000	96.94 96.51
3.80	M5	0.80	58	2.30	16.0	6	3	05000	96.94 96.51
4.65	M6	1.00	58	2.70	20.0	6	3	06000	96.94 96.51
6.00	M8	1.25	58	3.20	24.0	6	3	08000	96.94 96.51
7.80	M10	1.50	64	3.80	31.5	8	3	10000	120.79 120.64
9.00	M12	1.75	73	4.55	37.8	10	3	12000	135.78 135.32

≤ 4xD



M

UKS



Solid carbide

DC mm	Thread	TP mm	OAL mm	APMX mm	LH mm	DCONMS _{h6} mm	ZEFP	50 803 ...	PG W1
								£	£
1.53	M2	0.40	39	1.00	10.4	3	3	02000	109.48 109.10
2.40	M3	0.50	39	1.30	12.5	3	3	03000	104.25 103.85
3.10	M4	0.70	58	1.80	16.7	6	3	04000	104.25 103.85
4.00	M5	0.80	58	2.10	20.8	6	3	05000	104.25 103.85
4.80	M6	1.00	58	2.55	25.0	6	3	06000	104.25 103.85
6.40	M8	1.25	64	3.15	33.5	8	3	08000	129.22 129.03
8.00	M10	1.50	76	3.85	41.5	8	3	10000	129.22 129.03

P

M

K

N

S

H

O

MonoThread – Thread milling cutter

- ▲ Profile corrected
- ▲ Hard machining from Ø DC = 4 mm possible

SGF



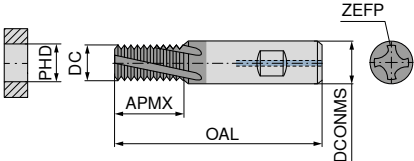
IR/IL



≤ 2xD



MF



UKS

Ti500





Solid carbide

DC mm	Thread	TP mm	APMX mm	DCONMS _{h6} mm	OAL mm	ZEFP	PHD mm	54 822 ...	PG W8/W
								£	£
4.0	M 5x0,5	0.50	11.6	6	55	3	4.50	05000 ¹⁾	125.68 115.39
4.8	M 6x0,75	0.75	14.5	6	55	3	5.25	06000 ¹⁾	125.68 115.39
6.0	M 8x1	1.00	19.3	6	60	3	7.00	08000	131.94 125.88
8.0	M 10x1,25	1.25	21.6	8	70	3	8.75	10000	159.52 157.35
9.9	M 12x1	1.00	27.3	10	75	4	11.00	12000	192.87 188.82
9.9	M 12x1,25	1.25	27.9	10	75	4	10.75	12100	192.87 188.82
9.9	M 12x1,5	1.50	27.5	10	75	4	10.50	12200	192.87 188.82
11.6	M 14x1	1.00	31.3	12	85	4	13.00	14000	223.34 220.29
11.6	M 14x1,5	1.50	32.0	12	85	4	12.50	14100	223.34 220.29
12.0	M 16x1,5	1.50	35.0	12	85	4	14.50	16000	233.45 230.78
14.0	M 18x1,5	1.50	42.5	14	90	4	16.50	18000	276.46 272.74
16.0	M 20x1,5	1.50	42.5	16	90	4	18.50	20000	287.48 283.23

P

M

K

N

S

H

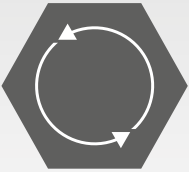
O

1) DIN 6535 HA Shank / Without Through Coolant

 Please Note: G, UNF, UNC, NPT, BSF, BSW, Pg, Tr and UN also available in the main catalogue.

Our recycling service

Our joint contribution for the good of the environment:
we take back your carbide and process it appropriately.
You receive a credit from us that you can redeem with
your next tool purchase.



Technical support: 0800 073 2 075
3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com

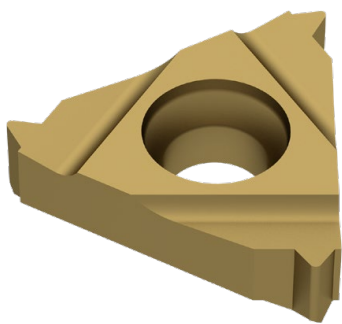


Order by 6:00 pm and get your
guaranteed free express delivery

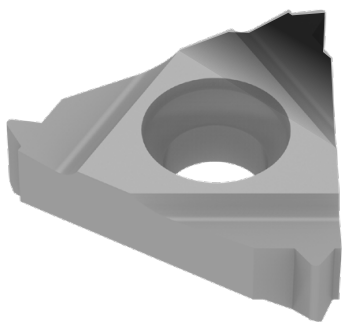


When you see this logo it's
in stock in Sheffield

THREAD TURNING



CWN1525 – for small batch and manual machining in all materials.



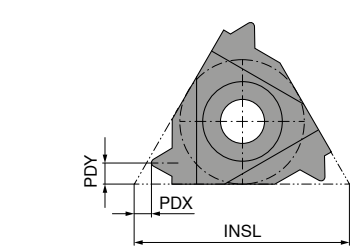
HCN2525 – for high performance and volume production in all materials.

Right hand external thread turning insert

▲ Full profile



WNT \ Performance



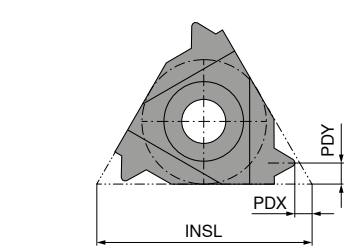
Designation	TP	INSL	PDX	PDY	ER			ER		
					71 220 ...	PG	X3	71 220 ...	PG	X3
16 ER 0,35	0.35	16	0.8	0.4		£	£	734	20.06	20.34
16 ER 0,4	0.40	16	0.7	0.4				736	20.06	20.34
16 ER 0,5	0.50	16	0.6	0.6	140	19.95	13.96	740	22.64	15.85
16 ER 0,7	0.70	16	0.6	0.6	141	22.00	15.46	741	23.37	16.36
16 ER 0,75	0.75	16	0.6	0.6	142	20.79	14.51	742	22.64	15.85
16 ER 0,8	0.80	16	0.6	0.6	143	20.73	14.51	743	22.64	15.85
16 ER 1,0	1.00	16	0.7	0.7	144	19.35	13.55	744	22.08	15.46
16 ER 1,25	1.25	16	0.8	0.9	146	19.35	13.55	746	22.08	15.46
16 ER 1,5	1.50	16	0.8	1.0	148	19.35	13.55	748	22.08	15.46
16 ER 1,75	1.75	16	0.9	1.2	150	19.35	13.55	750	22.08	15.46
16 ER 2,0	2.00	16	1.0	1.3	152	19.35	13.55	752	22.08	15.46
16 ER 2,5	2.50	16	1.1	1.5	154	19.35	13.55	754	22.08	15.46
16 ER 3,0	3.00	16	1.2	1.6	156	19.35	13.55	756	22.08	15.46
P					●			○		
M					○			●		
K					●			○		
N					●			○		
S								○		
H								○		
O					○					

Right hand internal thread turning insert

▲ Full profile



WNT \ Performance

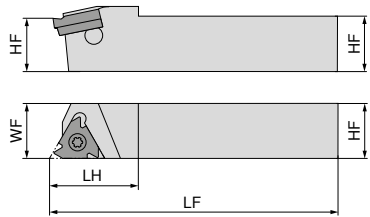


Designation	TP	INSL	PDX	PDY	IR			IR		
					71 224 ...	PG	X3	71 224 ...	PG	X3
16 IR 0,75	0.75	16	0.6	0.6	142	24.32	17.03	742	27.42	18.99
16 IR 1,0	1.00	16	0.6	0.7	144	19.35	13.55	744	22.08	15.46
16 IR 1,25	1.25	16	0.8	0.9				746	23.24	16.27
16 IR 1,5	1.50	16	0.8	1.0	148	19.35	13.55	748	22.08	15.46
16 IR 1,75	1.75	16	0.9	1.2				750	27.42	18.99
16 IR 2,0	2.00	16	1.0	1.3	152	19.35	13.55	752	22.08	15.46
16 IR 2,5	2.50	16	1.1	1.5	154	19.35	13.55	754	22.08	15.46
16 IR 3,0	3.00	16	1.1	1.5	156	19.35	13.55	756	22.08	15.46
P					●			○		
M					○			●		
K					●			○		
N					●			○		
S								○		
H								○		
O					○					

Standard External Thread Turning Holder

▲ Tool Holder with Approach Angle β = 1,5°

WNT \ Performance



Illustrations show right-hand versions

ISO designation	HF	WF	LF	LH	H	Insert	torque moment
SE R 12 12 F16	12	16	80	22	12	16 ..	3,5
SE R 16 16 H16	16	16	100	25	16	16 ..	3,5
SE R 20 20 K16	20	20	125	30	20	16 ..	3,5
SE R 25 25 M16	25	25	150	30	25	16 ..	3,5
SE R 32 32 P16	32	32	170	30	32	16 ..	3,5

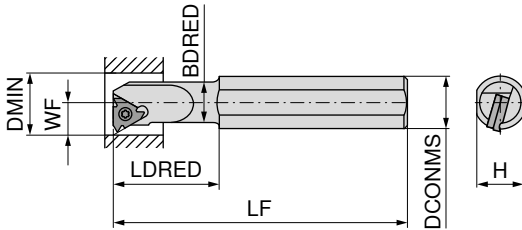


Right-hand		
71 280 ...	PG	Y2
	£	£
012	142.49	49.30
016	175.03	60.84
020	175.03	60.84
025	199.75	69.23
032	219.52	76.58

Standard Internal Thread Turning Holder

▲ Tool Holder with Approach Angle β = 1,5°

WNT \ Performance



Illustrations show right-hand versions

ISO designation	H	LF	LDRED	DCONMS	BDRED	WF	DMIN	Insert	torque moment
SI L 0013 M16	14.0	150	32	16	13.0	10.2	16	16 ..	3,5
SI L 0016 P16	18.0	170	40	20	15.0	11.7	19	16 ..	3,5
SI L 0020 P16	18.0	170	40	20	19.5	13.7	24	16 ..	3,5
SI L 0032 S16	28.8	250	50	32	31.5	19.7	36	16 ..	3,5
SI R 0013 M16	14.0	150	32	16	13.0	10.2	16	16 ..	3,5
SI R 0016 P16	18.0	170	40	20	15.0	11.7	19	16 ..	3,5
SI R 0020 P16	18.0	170	40	20	19.5	13.7	24	16 ..	3,5
SI R 0025 R16	22.6	200	40	25	24.5	16.2	29	16 ..	3,5
SI R 0032 S16	28.8	250	50	32	31.5	19.7	36	16 ..	3,5
SI R 0040 T16	36.0	300	50	40	39.5	23.7	44	16 ..	3,5



Left-hand			Right-hand		
71 283 ...	PG	Y2	71 282 ...	PG	Y2
	£	£		£	£
015 ¹⁾	166.92	57.70			
016 ¹⁾	166.92	57.70			
020	196.78	68.19			
032	257.09	89.17			
			015 ¹⁾	166.92	57.70
			016 ¹⁾	166.92	57.70
			020	196.78	68.19
			026	239.25	82.87
			032	257.09	89.17
			040	381.69	132.17

1) without shim



Technical support: 0800 073 2 075
3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



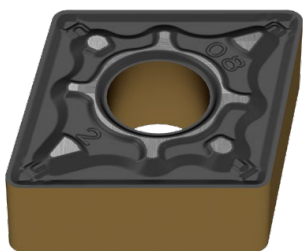
Order by 6:00 pm and get your
guaranteed free express delivery



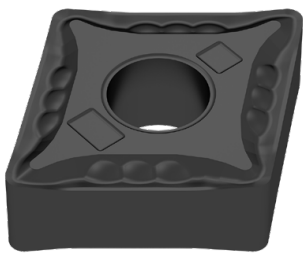
When you see this logo it's
in stock in Sheffield



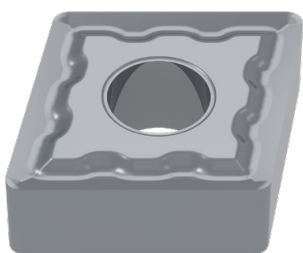
TURNING



CTCP115 / CTCP125 / CTCP135 – P
High performance turning of steels
with wear detection feature.



CTCM120 / CTCM130
High performance turning of
stainless steels.



CTPX710 / CTPX715
High performance universal grade
on difficult to machine materials.

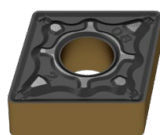
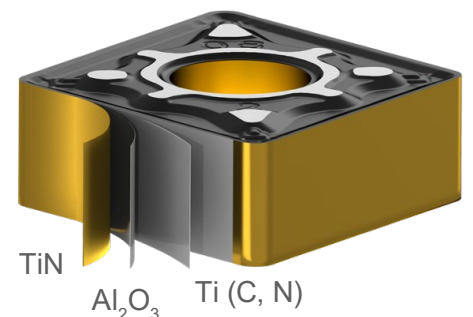
Steel machining made easy

The new ISO-P grades with indicator layer for high-performance turning processes!



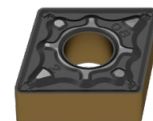
Machining with no compromises – with the CERATIZIT ISO-P carbide grades update

Thanks to a CVD multilayer coating with the latest Dragonskin coating technology, the indexable inserts are ideally suited to versatile steel machining. In combination with a balanced carbide base substrate, the new grades in the ISO-P category boast a wide application area with improved wear resistance. Depending on the cutting conditions, the perfect cutting material can be selected from three grades:



CTCP115-P

- ▲ ISO-P15
- ▲ Wear-resistant grade with high degree of elevated-temperature resistance for steel machining with optimum tool life
- ▲ High cutting speeds
- ▲ Maximum productivity
- ▲ For a smooth cut

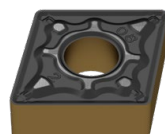


CTCP135-P

- ▲ ISO-P35
- ▲ Tough carbide grade for interrupted cuts
- ▲ Guaranteed process security
- ▲ For low cutting speeds and unstable conditions

DRAGONSKIN

DRAGONSKIN



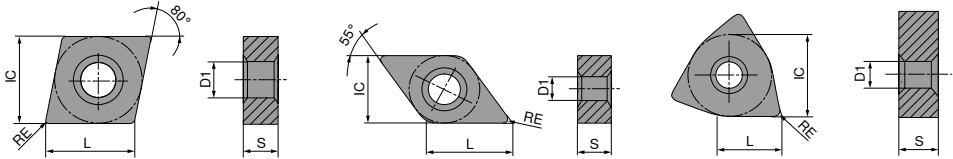
CTCP125-P

- ▲ ISO-P25
- ▲ Universal carbide grade for steel machining
- ▲ Excellent balance between toughness and elevated-temperature resistance
- ▲ High level of reliability for machining general steel
- ▲ Excellent for fluctuating cutting conditions, from finishing to roughing

DRAGONSKIN

CNMG / DNMG / WNMG

Designation	L	S	D1	IC
	mm	mm	mm	mm
CNMG 1204..	12.9	4.76	5.16	12.70
CNMG 1606..	16.1	6.35	6.35	15.87
DNMG 1104..	11.6	4.76	3.81	9.52
DNMG 1504..	15.5	4.76	5.16	12.70
DNMG 1506..	15.5	6.35	5.16	12.70
WNMG 0604..	6.5	4.76	3.81	9.52
WNMG 0804..	8.6	4.76	5.16	12.70



CNMG

CERATIZIT \ Performance

ISO	RE mm
120404EN	0.4
120408EN	0.8
120412EN	1.2
120416EN	1.6
160608EN	0.8
160612EN	1.2
160616EN	1.6

UKS		UKS		UKS	
-M50		-M50		-M50	
CTCP115-P		CTCP125-P		CTCP135-P	
DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
M		M		M	
76 135 ...	PG 1A/08	76 135 ...	PG 1A/08	76 135 ...	PG 1A/08
£	£	£	£	£	£
32801	13.84 10.37	52801	13.84 10.37	72801	13.84 10.37
33001	13.84 10.37	53001	13.84 10.37	73001	13.84 10.37
32001	13.84 10.37	53201	13.84 10.37	73201	13.84 10.37
33401	13.84 10.37	53401	13.84 10.37	73401	13.84 10.37
34201	22.35 16.76	54201	22.35 16.76	74201	22.35 16.76
34401	22.35 16.76	54401	22.35 16.76	74401	22.35 16.76
34601	22.35 16.76	54601	22.35 16.76	74601	22.35 16.76

P	●	●	●
M			○
K	○	○	
N			
S			
H			
O			

DNMG

CERATIZIT \ Performance

ISO	RE mm
110404EN	0.4
110408EN	0.8
110412EN	1.2
150404EN	0.4
150408EN	0.8
150412EN	1.2
150416EN	1.6
150604EN	0.4
150608EN	0.8
150612EN	1.2
150616EN	1.6

UKS		UKS		UKS	
-M50		-M50		-M50	
CTCP115-P		CTCP125-P		CTCP135-P	
DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
M		M		M	
76 136 ...	PG 1A/08	76 136 ...	PG 1A/08	76 136 ...	PG 1A/08
£	£	£	£	£	£
30401	14.76 11.07	50401	14.76 11.07	70401	14.76 11.07
30601	14.76 11.07	50601	14.76 11.07	70601	14.76 11.07
30801	14.76 11.07	50801	14.76 11.07	70801	14.76 11.07
31601	17.98 13.43	51401	17.98 13.43	71601	17.98 13.43
31801	17.98 13.43	51801	17.98 13.43	71801	17.98 13.43
32001	17.98 13.43	51601	17.98 13.43	72001	17.98 13.43
32201	17.98 13.43	52201	17.98 13.43	72201	17.98 13.43
32801	19.39 14.54	52801	19.39 14.54	72801	19.39 14.54
33001	19.39 14.54	53001	19.39 14.54	73001	19.39 14.54
33201	19.39 14.54	53201	19.39 14.54	73201	19.39 14.54
33401	19.39 14.54	53401	19.39 14.54	73401	19.39 14.54

P	●	●	●
M			○
K	○	○	
N			
S			
H			
O			

WNMG

CERATIZIT \ Performance

ISO	RE mm
060404EN	0.4
060408EN	0.8
060412EN	1.2
080404EN	0.4
080408EN	0.8
080412EN	1.2
080416EN	1.6

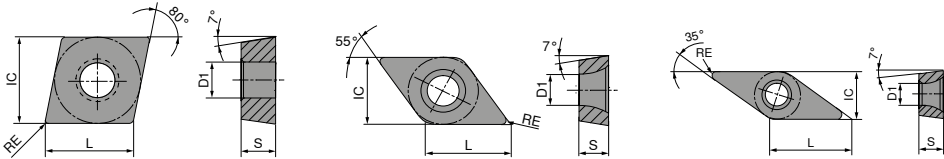
UKS		UKS		UKS	
-M50		-M50		-M50	
CTCP115-P		CTCP125-P		CTCP135-P	
DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
M		M		M	
76 139 ...	PG 1A/08	76 139 ...	PG 1A/08	76 139 ...	PG 1A/08
£	£	£	£	£	£
30401	12.06 9.05	50401	12.06 9.05	70401	12.06 9.05
30601	12.06 9.05	50601	12.06 9.05	70601	12.06 9.05
30801	12.06 9.05	50801	12.06 9.05	70801	12.06 9.05
31601	15.18 11.38	51601	15.18 11.38	71601	15.18 11.38
31801	15.18 11.38	51801	15.18 11.38	71801	15.18 11.38
32001	15.18 11.38	52001	15.18 11.38	72001	15.18 11.38
32201	15.18 11.38	52201	15.18 11.38	72201	15.18 11.38

P	●	●	●
M			○
K	○	○	
N			
S			
H			
O			



CCMT / DCMT / VCMT

Designation	L	S	D1	IC
	mm	mm	mm	mm
CCMT 0602..	6.40	2.38	2.8	6.35
CCMT 09T3..	9.70	3.97	4.4	9.52
CCMT 1204..	12.90	4.76	5.5	12.70
DCMT 0702..	7.75	2.38	2.8	6.35
DCMT 0702..	11.60	3.97	4.4	9.52
DCMT 11T3..	11.60	3.97	4.4	9.52
VCMT 1604..	16.60	4.76	4.4	9.52



CCMT

CERATIZIT \ Performance

ISO	RE mm
060204EN	0.4
060208EN	0.8
09T304EN	0.4
09T308EN	0.8
120404EN	0.4
120408EN	0.8
120412EN	1.2

UKS		UKS		UKS	
-SM		-SM		-SM	
CTCP115-P		CTCP125-P		CTCP135-P	
DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
M		M		M	
76 252 ...	PG 1A/08	76 252 ...	PG 1A/08	76 252 ...	PG 1A/08
30401	£ 7.06	50401	£ 7.06	70401	£ 7.06
30601	£ 7.06			70601	£ 7.06
31601	£ 8.81	51601	£ 8.81	71601	£ 8.81
31801	£ 8.81	51801	£ 8.81	71801	£ 8.81
32801	£ 12.41	52801	£ 12.41	72801	£ 12.41
33001	£ 12.41	53001	£ 12.41	73001	£ 12.41
33001	£ 12.41	53201	£ 12.41		

P	●	●	●
M			○
K	○	○	
N			
S			
H			
O			

DCMT

CERATIZIT \ Performance

ISO	RE mm
070204EN	0.4
070208EN	0.8
11T304EN	0.4
11T308EN	0.8
11T312EN	1.2

UKS		UKS		UKS	
-SM		-SM		-SM	
CTCP115-P		CTCP125-P		CTCP135-P	
DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
M		M		M	
76 258 ...	PG 1A/08	76 258 ...	PG 1A/08	76 258 ...	PG 1A/08
30401	£ 7.06	50401	£ 7.06	70401	£ 7.06
30601	£ 7.06	50601	£ 7.06	70601	£ 7.06
31601	£ 9.93	51601	£ 9.93	71601	£ 9.93
31801	£ 9.93	51801	£ 9.93	71801	£ 9.93
		52001	£ 9.93		

P	●	●	●
M			○
K	○	○	
N			
S			
H			
O			

VCMT

CERATIZIT \ Performance

ISO	RE mm
160404EN	0.4
160406EN	0.6
160408EN	0.8
160412EN	1.2

UKS		UKS		UKS	
-SM		-SM		-SM	
CTCP115-P		CTCP125-P		CTCP135-P	
DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
M		M		M	
76 278 ...	PG 1A/08	76 278 ...	PG 1A/08	76 278 ...	PG 1A/08
32801	£ 14.54	52801	£ 14.54	72801	£ 14.54
32901	£ 14.54				
33001	£ 14.54	53001	£ 14.54	73001	£ 14.54
33201	£ 14.54	53201	£ 14.54	73201	£ 14.54

P	●	●	●
M			○
K	○	○	
N			
S			
H			
O			



Technical support: 0800 073 2 075
3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



Order by 6:00 pm and get your
guaranteed free express delivery

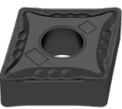


When you see this logo it's
in stock in Sheffield

STAINLESS STEEL
MACHINING
MADE EASY

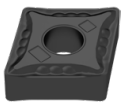
Dragonskin – new grades with the high-performance coating technology from CERATIZIT

Always the right solution for machining austenitic, stainless steels. In addition to the established CTPM125, two new grades now round off our product range: the more wear-resistant CTCM120 and the tougher CTCM130. Thanks to the Dragonskin coating, both grades are high performers and process-secure.



CTCM120

- ▲ Wear-resistant grade for austenitic steels
- ▲ High cutting speeds
- ▲ For a smooth cut

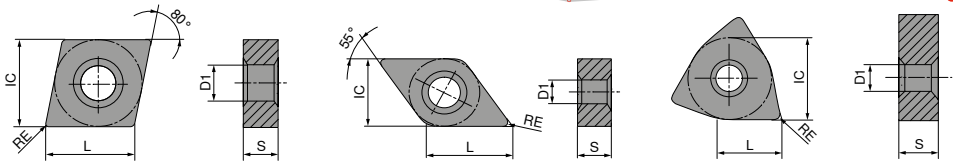


CTCM130

- ▲ Tough carbide grade for interrupted cuts
- ▲ Guaranteed process security
- ▲ For lower cutting speeds and unstable conditions

CNMG / DNMG / WNMG

Designation	L	S	D1	IC
CNMG 1204..	mm	mm	mm	mm
DNMG 1104..	12.9	4.76	5.16	12.70
DNMG 1104..	11.6	4.76	3.81	9.52
DNMG 1506..	15.5	6.35	5.16	12.70
WNMG 0604..	6.5	4.76	3.81	9.52
WNMG 0804..	8.6	4.76	5.16	12.70



CNMG

CERATIZIT \ Performance

ISO	RE mm
120408EN	0.8
120412EN	1.2
120416EN	1.6

P					
M					
K					
N					
S					
H					
O					

UKS		UKS	
-M30		-M30	
CTCM120		CTCM130	
DRAGONSKIN		DRAGONSKIN	
M		M	
75 011 ...	PG 1A/08	75 011 ...	PG 1A/08
£	£	£	£
13000	13.84 10.37	33000	13.84 10.37
13200	13.84 10.37	33200	13.84 10.37
13400	13.84 10.37	33400	13.84 10.37

DNMG

CERATIZIT \ Performance

ISO	RE mm
110408EN	0.8
110412EN	1.2
150608EN	0.8
150612EN	1.2

P					
M					
K					
N					
S					
H					
O					

UKS		UKS	
-M30		-M30	
CTCM120		CTCM130	
DRAGONSKIN		DRAGONSKIN	
M		M	
75 014 ...	PG 1A/08	75 014 ...	PG 1A/08
£	£	£	£
10600	14.76 11.07	30600	14.76 11.07
10800	14.76 11.07	30800	14.76 11.07
13000	19.39 14.54	33000	19.39 14.54
13200	19.39 14.54	33200	19.39 14.54

WNMG

CERATIZIT \ Performance

ISO	RE mm
060408EN	0.8
060412EN	1.2
080408EN	0.8
080412EN	1.2

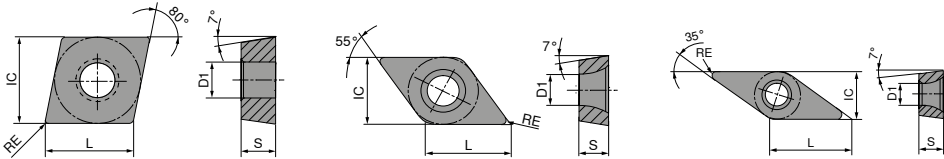
P					
M					
K					
N					
S					
H					
O					

UKS		UKS	
-M30		-M30	
CTCM120		CTCM130	
DRAGONSKIN		DRAGONSKIN	
M		M	
75 025 ...	PG 1A/08	75 025 ...	PG 1A/08
£	£	£	£
10600	12.06 9.05	30600	12.06 9.05
10800	12.06 9.05	30800	12.06 9.05
11800	15.18 11.38	31800	15.18 11.38
12000	15.18 11.38	32000	15.18 11.38



CCMT / DCMT / VCMT

Designation	L	S	D1	IC
	mm	mm	mm	mm
CCMT 0602..	6.40	2.38	2.8	6.35
CCMT 09T3..	9.70	3.97	4.4	9.52
DCMT 0702..	7.75	2.38	2.8	6.35
DCMT 11T3..	11.60	3.97	4.4	9.52
VCMT 1604..	16.60	4.76	4.4	9.52



CCMT

CERATIZIT \ Performance

ISO	RE				
	mm				
060204EN	0.4				
09T304EN	0.4				
09T308EN	0.8				
P					
M					
K					
N					
S					
H					
O					

UKS

-M25

CTCM120

DRAGONSKIN

F

75 210 ...

PG 1A/08

£

£

10400

9.44

7.06

11600

11.75

8.81

11800

11.75

8.81

UKS

-M25

CTCM130

DRAGONSKIN

F

75 210 ...

PG 1A/08

£

£

30400

9.44

7.06

31600

11.75

8.81

31800

11.75

8.81

DCMT

CERATIZIT \ Performance

ISO	RE				
	mm				
070202EN	0.2				
070204EN	0.4				
11T302EN	0.2				
11T304EN	0.4				
11T308EN	0.8				
P					
M					
K					
N					
S					
H					
O					

UKS

-M25

CTCM120

DRAGONSKIN

F

75 213 ...

PG 1A/08

£

£

10200

9.44

7.06

10400

9.44

7.06

11400

13.25

9.93

11600

13.25

9.93

11800

13.25

9.93

UKS

-M25

CTCM130

DRAGONSKIN

F

75 213 ...

PG 1A/08

£

£

30200

9.44

7.06

30400

9.44

7.06

31400

13.25

9.93

31600

13.25

9.93

31800

13.25

9.93

VCMT

CERATIZIT \ Performance

ISO	RE				
	mm				
160404EN	0.4				
160408EN	0.8				
P					
M					
K					
N					
S					
H					
O					

UKS

-M25

CTCM120

DRAGONSKIN

F

75 219 ...

PG 1A/08

£

£

12800

19.39

14.54

13000

19.39

14.54

UKS

-M25

CTCM130

DRAGONSKIN

F

75 219 ...

PG 1A/08

£

£

32800

19.39

14.54

33000

19.39

14.54



Technical support: 0800 073 2 075
3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



Order by 6:00 pm and get your
guaranteed free express delivery



When you see this logo it's
in stock in Sheffield

X7-Line

HRSA and Ti
machining
made easy

Grade description

CTP **X7** 10/15

Degree of
hardness

10 ISO 10

15 ISO 15

...

Main application – material

- P Steel
- M Stainless steel
- K Cast iron
- N Light and non ferrous metals
- S Super alloys, titanium
- H Hard materials

X Universal application

Application

- 1 Turning
- 2 Milling
- 3 Grooving
- 4 Drilling
- 5 Thread turning
- 6 Others
- 7 Multiple procedures*

Universal application range

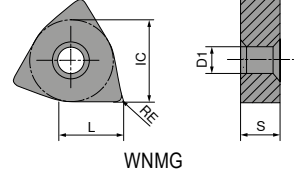
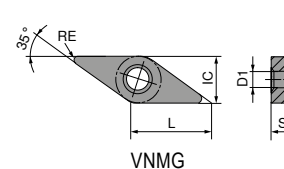
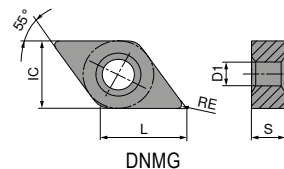
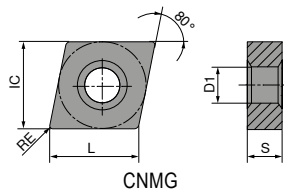
P M K N S

*In future multiple
procedures possible
turning | grooving | milling

1 Further information on the product can be found in our
main catalogue → **Chapter 9, Turning tools**

CNMG / DNMG / VNMG / WNMG

Designation	L mm	S mm	D1 mm	IC mm
CNMG 1204..	12.9	4.76	5.16	12.70
DNMG 1504..	15.5	4.76	5.16	12.70
DNMG 1506..	15.5	6.35	5.16	12.70
VNMG 1604..	16.6	4.76	3.81	9.52
WNMG 0804..	8.6	4.76	5.16	12.70



CNMG

CERATIZIT \ Performance



ISO	RE mm	M	75 003 ...	PG 1A/08
120404EN	0.4		62800	£ 9.77
120408EN	0.8		63000	£ 9.77
120412EN	1.2		63200	£ 9.77
120416EN	1.6		63400	£ 9.77
P		●		
M		●		
K		●		
N		○		
S		●		
H				
O				

DNMG

CERATIZIT \ Performance



ISO	RE mm	M	75 004 ...	PG 1A/08
150404EN	0.4		61600	£ 14.03
150408EN	0.8		61800	£ 14.03
150412EN	1.2		62000	£ 14.03
150608EN	0.8		63000	£ 15.36
150612EN	1.2		63200	£ 15.36
P		●		
M		●		
K		●		
N		○		
S		●		
H				
O				

VNMG

CERATIZIT \ Performance



ISO	RE mm	M	75 009 ...	PG 1A/08
160404EN	0.4		61600	£ 17.77
160408EN	0.8		61800	£ 17.77
160412EN	1.2		62000	£ 17.77
P		●		
M		●		
K		●		
N		○		
S		●		
H				
O				

WNMG

CERATIZIT \ Performance

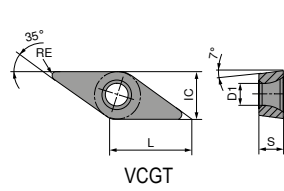
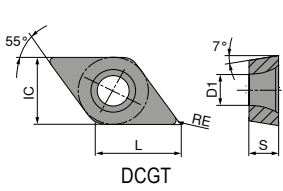
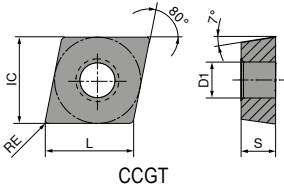


ISO	RE mm	M	75 008 ...	PG 1A/08
080408EN	0.8		61800	£ 11.90
080412EN	1.2		62000	£ 11.90
P		●		
M		●		
K		●		
N		○		
S		●		
H				
O				



CCGT / DCGT / VCGT

Designation	L	S	D1	IC
	mm	mm	mm	mm
CCGT 0602..	6.40	2.38	2.8	6.35
CCGT 09T3..	9.70	3.97	4.4	9.52
CCGT 1204..	12.90	4.76	5.5	12.70
DCGT 0702..	7.75	2.38	2.8	6.35
DCGT 11T3..	11.60	3.97	4.4	9.52
VCGT 1103..	11.10	3.18	2.9	6.35
VCGT 1604..	16.60	4.76	4.4	9.52
VCGT 2205..	22.10	5.56	5.5	12.70



CCGT

CERATIZIT \ Performance



ISO	RE mm	M 70 248 ...	PG 1A/90
		£	£
060202FN	0.2	70200	15.74 11.80
060204FN	0.4	70400	15.74 11.80
09T302FN	0.2	71400	16.11 12.08
09T304FN	0.4	71600	16.11 12.08
09T308FN	0.8	71800	16.11 12.08
120404FN	0.4	72800	20.57 15.43
120408FN	0.8	73000	20.57 15.43
P		•	
M		•	
K		•	
N		•	
S		•	
H			
O			

VCGT

CERATIZIT \ Performance



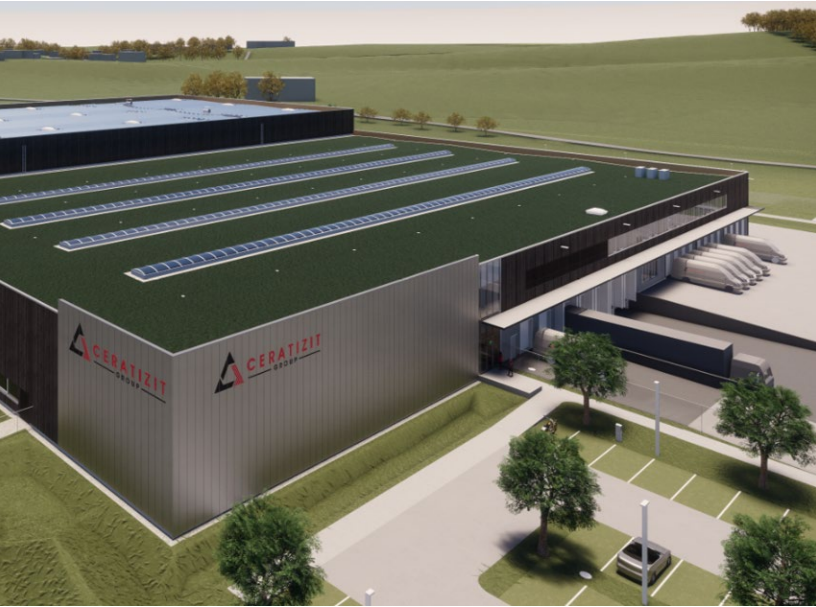
ISO	RE mm	M 70 282 ...	PG 1A/90
		£	£
110302FN	0.2	71400	21.08 15.76
110304FN	0.4	71600	21.08 15.76
160404FN	0.4	72800	26.03 19.52
160408FN	0.8	73000	26.03 19.52
160412FN	1.2	73200	26.03 19.52
220530FN	3.0	75000	34.68 26.02
P		•	
M		•	
K		•	
N		•	
S		•	
H			
O			

DCGT

CERATIZIT \ Performance



ISO	RE mm	M 70 263 ...	PG 1A/90
		£	£
070202FN	0.2	70200	14.25 10.69
070204FN	0.4	70400	14.25 10.69
11T302FN	0.2	71400	17.28 12.90
11T304FN	0.4	71600	17.28 12.90
11T308FN	0.8	71800	17.28 12.90
P		•	
M		•	
K		•	
N		•	
S		•	
H			
O			



High product availability thanks to state-of-the-art logistics

Why own stock? We take care of that for you! With the cutting-edge logistics center of the cutting tools industry, we guarantee that your order will be delivered promptly.



Technical support: 0800 073 2 075
3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



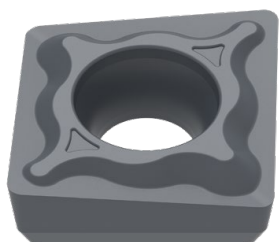
Order by 6:00 pm and get your
guaranteed free express delivery



When you see this logo it's
in stock in Sheffield



ECOCUT



CTPP430 – universal grade for all materials.

The Original Multi Function Tool

The trend in machining is unmistakable: Workpieces are becoming increasingly complex and technically challenging. Production often requires a variety of tools, which can not be economically accommodated with the existing turret locations. The answer to this challenge from CERATIZIT is the multi-function tool EcoCut.



=

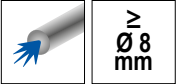


EcoCut – Classic 1.5xD

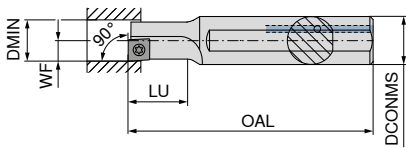
▲ Drilling and turning tool

Scope of supply:

Toolholder with 1 clamping screw + 2 spare screws and screwdriver



CERATIZIT \ Performance



Illustrations show right-hand versions

ISO designation	DMIN	DCONMS	OAL	LU	WF	torque moment	Insert
	mm	mm	mm	mm	mm	Nm	
ECC 10 R/L 1,5D 05	10	12	90	15.0	5.0	0,7	XC.T 0502..
ECC 12 R/L 1,5D 06	12	16	100	18.0	6.0	1,0	XC.T 0602..
ECC 14 R/L 1,5D 07	14	16	110	21.0	7.0	1,2	XC.T 0703..
ECC 16 R/L 1,5D 08	16	20	125	24.0	8.0	2,2	XC.T 0803..
ECC 18 R/L 1,5D 09	18	25	135	27.0	9.0	2,2	XC.T 09T3..
ECC 20 R/L 1,5D 10	20	25	150	30.0	10.0	3,2	XC.T 10T3..
ECC 25 R/L 1,5D 13	25	32	180	37.5	12.5	5,0	XC.T 1304..
ECC 32 R/L 1,5D 17	32	40	200	48.0	16.0	5,0	XC.T 1705..



Steel
Left-hand



Steel
Right-hand

70 805 ...	PG 2B/20	
	£	£
010	192.66	63.99
012	195.82	65.04
014	200.54	66.09
016	203.69	67.14
018	204.93	77.63
020	264.94	88.12
025	305.42	100.70
032	346.23	114.34

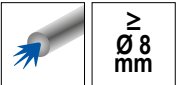
70 804 ...	PG 2B/20	
	£	£
010	192.66	63.99
012	195.82	65.04
014	200.54	66.09
016	203.69	67.14
018	204.93	77.63
020	264.94	88.12
025	305.42	100.70
032	346.23	114.34

EcoCut – Classic 2.25xD

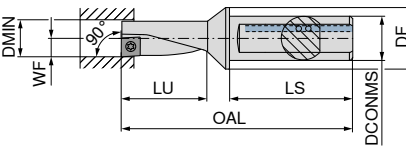
▲ Drilling and turning tool

Scope of supply:

Toolholder with 1 clamping screw + 2 spare screws and screwdriver



CERATIZIT \ Performance



Illustrations show right-hand versions



Steel
Left-hand



Steel
Right-hand

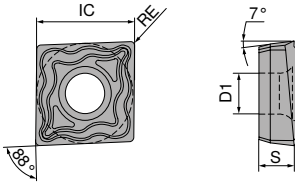
ISO designation	DMIN	DCONMS	OAL	LU	LS	WF	torque moment	Insert
	mm	mm	mm	mm	mm	mm	Nm	
ECC 10 R/L 2,25D 05	10	12	69.5	22.5	42	5.0	0,7	XC.T 0502..
ECC 12 R/L 2,25D 06	12	16	78.0	27.0	45	6.0	1,0	XC.T 0602..
ECC 14 R/L 2,25D 07	14	16	83.5	31.5	45	7.0	1,2	XC.T 0703..
ECC 16 R/L 2,25D 08	16	20	94.0	36.0	50	8.0	2,2	XC.T 0803..
ECC 18 R/L 2,25D 09	18	25	109.5	40.5	56	9.0	2,2	XC.T 09T3..
ECC 20 R/L 2,25D 10	20	25	111.0	45.0	56	10.0	3,2	XC.T 10T3..
ECC 25 R/L 2,25D 13	25	32	129.0	56.5	60	12.5	5,0	XC.T 1304..
ECC 32 R/L 2,25D 17	32	40	158.0	72.0	70	16.0	5,0	XC.T 1705..

70 805 ...	PG 2B/20	
	£	£
110	286.64	94.41
112	294.54	97.56
114	300.93	99.66
116	307.23	101.75
118	338.47	112.24
120	368.39	121.68
125	427.72	141.62
132	488.88	159.45

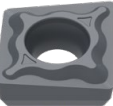
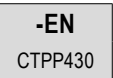
70 804 ...	PG 2B/20	
	£	£
110	286.64	94.41
112	294.54	97.56
114	300.93	99.66
116	307.23	101.75
118	338.47	112.24
120	368.39	121.68
125	427.72	141.62
132	488.88	159.45

XCNT

CERATIZIT \ Performance



ISO designation	RE	S	D1	IC
XCNT 050202EN	0.2	2.10	2.25	5.8
XCNT 050204EN	0.4	2.10	2.25	5.8
XCNT 060202EN	0.2	2.38	2.50	6.5
XCNT 060204EN	0.4	2.38	2.50	6.5
XCNT 070304EN	0.4	3.18	2.80	7.6
XCNT 080304EN	0.4	3.18	3.40	8.5
XCNT 09T304EN	0.4	3.97	3.40	9.6
XCNT 10T304EN	0.4	3.97	4.40	10.6
XCNT 10T308EN	0.8	3.97	4.40	10.6
XCNT 130404EN	0.4	4.76	5.30	13.5
XCNT 130408EN	0.8	4.76	5.30	13.5
XCNT 170508EN	0.8	5.56	5.30	17.5



XCNT

70 386 ...	PG 1D/19	
	£	£
923	18.74	14.06
903	18.74	14.06
924	18.74	14.06
904	18.74	14.06
905	18.74	14.06
906	19.02	14.27
907	19.25	14.47
908	20.27	15.20
938	20.27	15.20
910	23.18	17.39
940	23.18	17.39
912	24.44	18.34

P	●
M	●
K	○
N	○
S	○
H	○
O	○



Technical support: 0800 073 2 075

3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



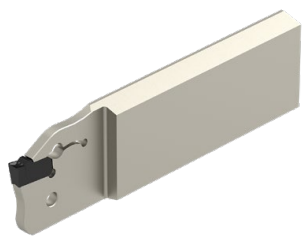
Order by 6:00 pm and get your
guaranteed free express delivery



When you see this logo it's
in stock in Sheffield



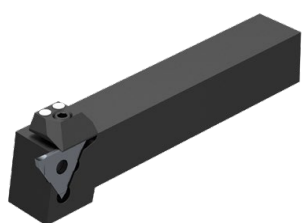
GROOVING TOOLS



SX System – first choice system for parting off.



M1 – first choice chipbreaker for parting off.

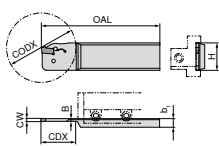


TX System – first choice grooving system for all materials and applications.



MonoClamp – Radial Blade SX reinforced

CERATIZIT \ Performance



Illustrations show right-hand versions

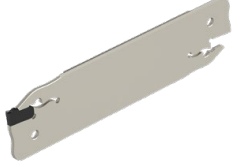
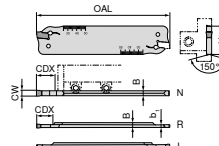
ISO designation	CW mm	H mm	B mm	OAL mm	b ₁ mm	CODX mm	CDX mm	for grooving inserts
XLCF R 2608-SX3	3	26	2.5	110	8	44	22	SX .3..
XLCF R 3208-SX3	3	32	2.5	110	8	66	33	SX .3..
XLCF L 3208-SX3	3	32	2.5	110	8	66	33	SX .3..
XLCF L 2608-SX3	3	26	2.5	110	8	44	22	SX .3..
XLCF L 3208-SX4	4	32	3.4	110	8	66	33	SX 4..
XLCF R 3208-SX4	4	32	3.4	110	8	66	33	SX 4..

1) can be used in both directions

70 879 ...	PG 2A/25
£	£
013 1)	164.08 54.55
003	154.29 51.40
203	154.29 51.40
213 1)	164.08 54.55
204	154.29 51.40
004	154.29 51.40

MonoClamp – Radial Blade SX Standard

CERATIZIT \ Performance

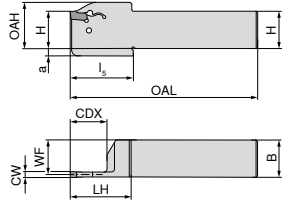


ISO designation	CW mm	H mm	B mm	b ₁ mm	OAL mm	CDX mm	for grooving inserts
XLCF L 2602-SX2	2	26	2.4	1.5	110	25	SX .2..
XLCF L 3202-SX2	2	32	2.4	1.5	150	25	SX .2..
XLCF R 2602-SX2	2	26	2.4	1.5	110	25	SX .2..
XLCF R 3202-SX2	2	32	2.4	1.5	150	25	SX .2..
XLCF N 2603-SX3	3	26	2.4		110	35	SX .3..
XLCF N 3203-SX3	3	32	2.4		150	50	SX .3..
XCLF N 2604-SX4	4	26	3.2		110	40	SX 4..
XLCF N 3204-SX4	4	32	3.2		150	50	SX 4..

70 884 ...	PG 2A/25
£	£
212	107.17 35.67
202	112.13 36.72
012	107.17 35.67
002	112.13 36.72
113	107.17 35.67
103	112.13 36.72
114	107.17 35.67
104	112.13 36.72

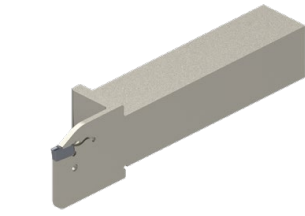
MonoClamp – Radial Monoholder SX

CERATIZIT \ Performance



Illustrations show right-hand versions

ISO designation	H mm	B mm	CW mm	WF mm	OAL mm	LH mm	l ₅ mm	OAH mm	CDX mm	a mm
E20 R/L 0026-2020K-K-SX3	20	20	3	18.75	125	32	33	31	26	5
E16 R/L 0026-1616K-K-SX2	16	16	2	15.20	125	32	33	26	26	4
E16 R/L 0026-1616K-K-SX3	16	16	3	14.75	125	32	33	26	26	4
E20 R/L 0026-2020K-K-SX2	20	20	2	19.20	125	32	33	31	26	5
E20 R/L 0033-2020K-K-SX4	20	20	4	18.30	125	39	40	32	33	5
E25 R/L 0026-2525M-K-SX3	25	25	3	23.75	150	33		31	26	
E25 R/L 0033-2525M-K-SX4	25	25	4	23.30	150	41	42	37	33	5



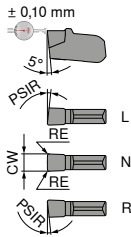
Left-hand	Right-hand
70 846 ...	70 846 ...
PG 2C/71	PG 2C/71
£	£
32001	143.27 47.21
21601	122.07 39.86
31601	122.07 39.86
22001	143.27 47.21
42001	143.27 47.21
32501	154.97 50.35
42501	154.97 50.35

Insert SX

▲ Specially developed geometry with negative edge-chamfers available in right, left and neutral types



CERATIZIT \ Performance



Designation	IH	CW +/-0,05 mm
SX E2.00 L 6	L	2
SX E3.00 L 6	L	3
SX E4.00 L 6	L	4
SX E2.00 N 0.20	N	2
SX E3.00 N 0.20	N	3
SX E4.00 N 0.30	N	4
SX E2.00 R 6	R	2
SX E3.00 R 6	R	3
SX E4.00 R 6	R	4

P	●
M	●
K	●
N	○
S	●
H	
O	○

UKS

-M1

CTP1340

DRAGONSKIN



70 342 ...	PG 1C/72
£	£
612	14.62 10.97
613	15.56 11.66
614	16.42 12.32
622	15.35 11.51
623	16.32 12.24
624	17.25 12.92
602	14.62 10.97
603	15.56 11.66
604	16.42 12.32

SX-M1

Parting / Grooving



SX-M1	
Cutting width in mm	Feed rate f in mm/rev.
2	0,05–0,15
3	0,10–0,20
4	0,10–0,25
5	0,15–0,30
6	0,15–0,35



Technical support: 0800 073 2 075

3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



Order by 6:00 pm and get your
guaranteed free express delivery

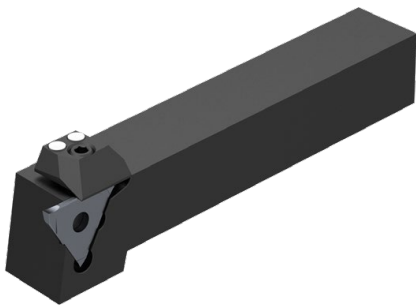
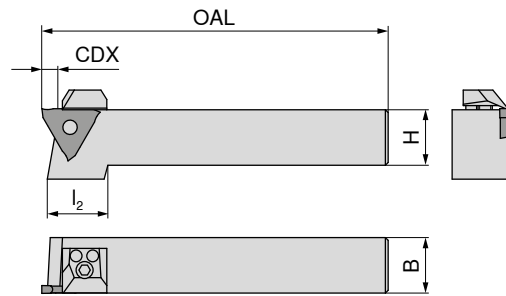


When you see this logo it's
in stock in Sheffield

MonoClamp – Radial/Axial TX Grooving Holder 0° 6 mm cutting depth

- ▲ For radial and axial grooving
- ▲ Cutting width 0.5–6.3 mm

CERATIZIT \ Performance



Illustrations show right-hand versions

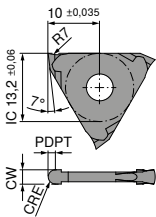
ISO designation	H mm	B ± 0.1 mm	OAL mm	I ₂ mm	CDX mm	for grooving inserts
R 207.1212.1	12	12	100	24	4	TX R/N/L ...1
R 207.1616.1	16	16	125	22	4	TX R/N/L ...1
R 207.2020.1	20	20	125	21	4	TX R/N/L ...1
R 207.2525.1	25	25	150		4	TX R/N/L ...1
R 207.1212.2	12	12	100	24	6	TX R/N/L ...2
R 207.1616.2	16	16	125	22	6	TX R/N/L ...2
R 207.2020.2	20	20	125	21	6	TX R/N/L ...2
R 207.2525.2	25	25	150		6	TX R/N/L ...2
R 207.1212.3	12	12	100	24	6	TX R/N/L ...3
R 207.1616.3	16	16	125	22	6	TX R/N/L ...3
R 207.2020.3	20	20	125	21	6	TX R/N/L ...3
R 207.2525.3	25	25	150		6	TX R/N/L ...3
R 207.3232.3	32	32	170		6	TX R/N/L ...3

Right-hand		
73 500 ...	PG	Y6
£		£
112	258.13	141.97
116	230.38	126.71
120	178.67	98.27
125	188.01	103.41
212	258.13	141.97
216	230.38	126.71
220	178.67	98.27
225	188.01	103.41
312	258.13	141.97
316	230.38	126.71
320	178.67	98.27
325	188.01	103.41
332	218.52	120.18

Radial TX insert for corner recessing

- ▲ Full radius for cutting width 0.5–5.0 mm

CERATIZIT \ Performance



Neutral

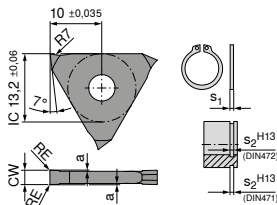
Designation	CRE mm	CW ± 0.05 mm	PDPT mm
TX N 0010.20.2	1.0	2	0.7
TX N 0015.30.3	1.5	3	1.0

73 304 ...	PG	Y6
£		£
204	61.92	34.06
206	65.48	36.01

TX insert for circlip grooves

- ▲ For circlip grooves according to DIN 471 / 472

CERATIZIT \ Performance



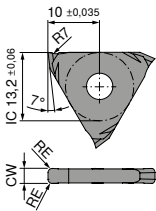
Neutral

Designation	CW ± 0.05 mm	a ± 0.02 mm
TX N 0050.00.1	0.57	0.07
TX N 0060.00.1	0.67	0.07
TX N 0070.00.1	0.77	0.08
TX N 0080.00.1	0.87	0.08
TX N 0090.00.1	0.97	0.08
TX N 0100.00.1	1.07	0.09
TX N 0110.00.1	1.24	0.15
TX N 0130.00.1	1.44	0.15
TX N 0160.00.1	1.74	0.20
TX N 0185.00.1	1.99	0.20
TX N 0215.00.2	2.29	0.20
TX N 0265.00.2	2.79	0.20
TX N 0315.00.3	3.29	0.20

73 300 ...	PG	Y6
£		£
204	40.80	22.44
206	40.80	22.44
208	40.80	22.44
210	40.80	22.44
212	40.80	22.44
214	40.80	22.44
216	40.80	22.44
218	40.80	22.44
220	40.80	22.44
222	40.80	22.44
224	40.80	22.44
226	40.80	22.44
228	46.54	25.60

TX insert for fine and copy turning

CERATIZIT \ Performance



Neutral

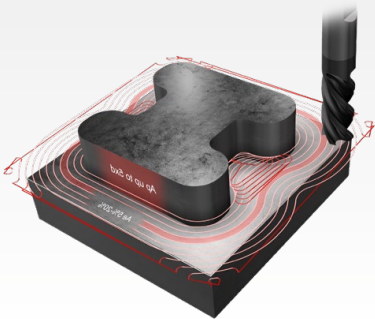
Designation	CW ± 0.03 mm
TX N 0150.02.1	1.5
TX N 0200.02.1	2.0
TX N 0200.04.1	2.0
TX N 0300.06.2	3.0
TX N 0300.02.2	3.0
TX N 0300.08.2	3.0
TX N 0400.08.3	4.0
TX N 0400.02.3	4.0
TX N 0400.12.3	4.0

73 303 ...	PG	Y6
£		£
204	50.93	28.01
206	50.93	28.01
208	50.93	28.01
212	53.71	29.54
210	53.71	29.54
214	53.71	29.54
218	54.46	29.79
216	54.46	29.79
220	54.46	29.79

Tool data always at your fingertips

Cutting data and CAD models for day-to-day assistance

In addition to detailed cutting data we also offer 2D and 3D models to assist you with your tool management or for simulating an operation. All data for this Service is available for you in our Online Shop.





MINIATURE TURNING TOOLS



Ultra mini system – for micro diameter internal features from 2 mm up to 8 mm.



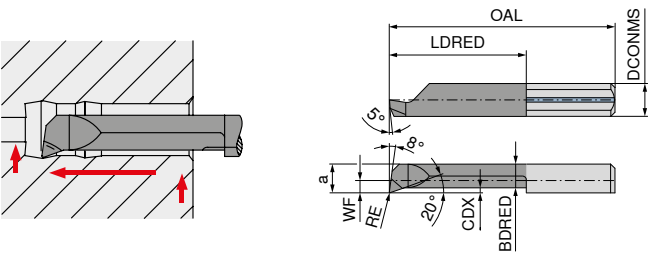
MiniCut system – for small diameter internal features from 8 mm onwards.

UltraMini – Inserts for internal turning and profiling

▲ CDX = Maximum depth of cut when turning outwards



WNT \ Performance



ISO designation	DCONMS _{h6}	WF	DMIN	a	OAL	LDRED	CDX	BDRED	RE
	mm	mm	mm	mm	mm	mm	mm	mm	mm
R 050.2-5	4		2.0	1.7	19	5	0.1	1.5	0.05
R 050.2-10	4		2.0	1.7	24	10	0.1	1.5	0.05
R 050.2-15	4		2.0	1.7	29	15	0.1	1.5	0.05
R 050.3-10	4	0.6	2.8	2.6	24	10	0.2	2.3	0.10
R 050.3-16	4	0.6	2.8	2.6	30	16	0.2	2.3	0.10
R 050.3-20	4	0.6	2.8	2.6	34	20	0.2	2.3	0.10
R 050.4-10	4	1.5	4.0	3.5	24	10	0.3	3.0	0.10
R 050.4-16	4	1.5	4.0	3.5	30	16	0.3	3.0	0.10
R 050.4-20	4	1.5	4.0	3.5	34	20	0.3	3.0	0.10
R 050.4-24	4	1.5	4.0	3.5	38	24	0.3	3.0	0.10
R 050.4-28	4	1.5	4.0	3.5	42	28	0.3	3.0	0.10
R 050.5-10	5	1.9	5.0	4.4	25	10	0.5	3.8	0.15
R 050.5-15	5	1.9	5.0	4.4	30	15	0.5	3.8	0.15
R 050.5-20	5	1.9	5.0	4.4	35	20	0.5	3.8	0.15
R 050.5-25	5	1.9	5.0	4.4	40	25	0.5	3.8	0.15
R 050.5-30	5	1.9	5.0	4.4	45	30	0.5	3.8	0.15
R 050.5-35	5	1.9	5.0	4.4	50	35	0.5	3.8	0.15
R 050.6-15	6	2.3	6.0	5.3	30	15	0.5	4.5	0.15
R 050.6-22	6	2.3	6.0	5.3	37	22	0.5	4.5	0.15
R 050.6-25	6	2.3	6.0	5.3	40	25	0.5	4.5	0.15
R 050.6-30	6	2.3	6.0	5.3	45	30	0.5	4.5	0.15
R 050.6-35	6	2.3	6.0	5.3	50	35	0.5	4.5	0.15
R 050.6-42	6	2.3	6.0	5.3	57	42	0.5	4.5	0.15
R 050.7-20	7	2.8	6.8	6.3	35	20	0.6	5.5	0.15
R 050.7-25	7	2.8	6.8	6.3	40	25	0.6	5.5	0.15
R 050.7-30	7	2.8	6.8	6.3	45	30	0.6	5.5	0.15
R 050.7-35	7	2.8	7.0	6.3	50	35	0.6	5.5	0.15
R 050.7-40	7	2.8	7.0	6.3	55	40	0.6	5.5	0.15
R 050.7-45	7	2.8	7.0	6.3	60	45	0.6	5.5	0.15
R 050.7-50	7	2.8	7.0	6.3	65	50	0.6	5.5	0.15

P	●
M	●
K	●
N	●
S	○
H	○
O	●

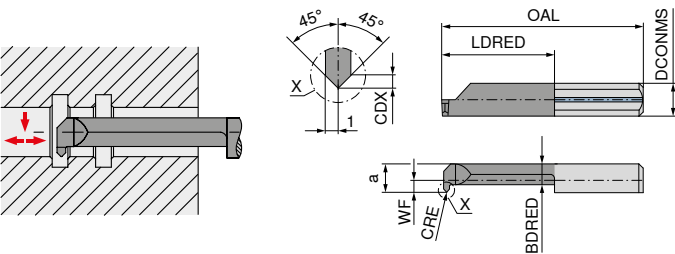
Right-hand	
73 004 ...	PG Y5
£	£
520	61.43 33.62
521	66.63 36.65
522	66.07 36.34
531	70.26 38.65
530	77.08 42.39
532	76.07 42.33
541	69.28 38.10
540	69.28 38.10
542	73.84 40.61
545	86.55 47.60
546	94.08 52.14
551	65.55 36.05
552	69.83 38.40
550	71.78 39.43
553	80.98 44.54
554	89.04 48.97
556	103.35 56.85
561	68.54 37.70
560	74.63 41.05
562	79.36 43.65
563	90.48 49.60
564	103.35 56.85
565	117.53 64.64
572	76.45 41.88
573	84.45 51.78
574	95.47 52.51
575	110.08 60.55
576	122.62 67.44
577	127.56 70.16
578	139.08 76.93

UltraMini – Inserts for internal turning and chamfering

▲ CDX = Maximum depth of cut when turning outwards



WNT \ Performance



ISO designation	DCONMS _{h6}	WF	DMIN	a	OAL	LDRED	CDX	BDRED	CRE
	mm	mm	mm	mm	mm	mm	mm	mm	mm
R 060.5-15	5	1.9	5.0	4.4	30	15	0.7	3.3	0.2
R 060.5-20	5	1.9	5.0	4.4	35	20	0.7	3.3	0.2
R 060.7-20	7	2.7	6.8	6.3	35	20	0.7	3.8	0.2

P	●
M	●
K	●
N	●
S	○
H	○
O	●

Right-hand	
73 006 ...	PG Y5
£	£
551	62.63 34.45
550	69.74 38.34
570	72.73 40.00



Stock around the clock!

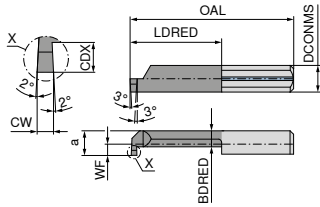
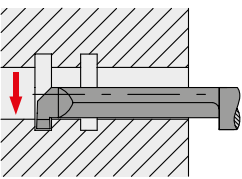
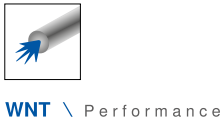


Tool Supply 24/7

If you install a Tool-O-Mat it means that we take on all the procurement and stocking costs for you. You have 100 % availability of all tools at all times and without expenditure.



UltraMini – Inserts for Internal Grooving

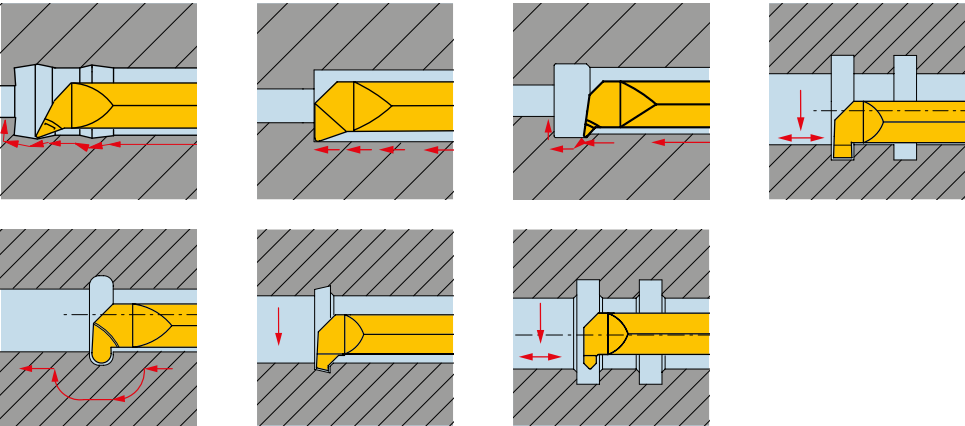


ISO designation	DCONMS _{g6}	WF	DMIN	a	OAL	LDRED	CDX	BDRED	CW
R 004.0100-10	4	1.5	4.0	3.5	24	10	0.8	2.4	1.0
R 004.0100-16	4	1.5	4.0	3.5	30	16	0.8	2.4	1.0
R 004.0100-20	4	1.5	4.0	3.5	34	20	0.8	2.4	1.0
R 005.0100-10	5	1.9	5.0	4.4	25	10	1.0	3.3	1.0
R 005.0150-10	5	1.9	5.0	4.4	25	10	1.0	3.3	1.5
R 005.0200-10	5	1.9	5.0	4.4	25	10	1.0	3.3	2.0
R 005.0100-15	5	1.9	5.0	4.4	30	15	1.0	3.3	1.0
R 005.0150-15	5	1.9	5.0	4.4	30	15	1.0	3.3	1.5
R 005.0200-15	5	1.9	5.0	4.4	30	15	1.0	3.3	2.0
R 005.0150-20	5	1.9	5.0	4.4	35	20	1.0	3.3	1.5
R 005.0100-20	5	1.9	5.0	4.4	35	20	1.0	3.3	1.0
R 005.0200-20	5	1.9	5.0	4.4	35	20	1.0	3.3	2.0
R 005.0100-25	5	1.9	5.0	4.4	40	25	1.0	3.3	1.0
R 005.0150-25	5	1.9	5.0	4.4	40	25	1.0	3.3	1.5
R 005.0200-25	5	1.9	5.0	4.4	40	25	1.0	3.3	2.0
R 005.0100-30	5	1.9	5.0	4.4	45	30	1.0	3.3	1.0
R 005.0150-30	5	1.9	5.0	4.4	45	30	1.0	3.3	1.5
R 005.0200-30	5	1.9	5.0	4.4	45	30	1.0	3.3	2.0
R 005.0100-35	5	1.9	5.0	4.4	50	35	1.0	3.3	1.0
R 006.0100-10	6	2.3	6.0	5.3	25	10	1.8	3.4	1.0
R 006.0150-10	6	2.3	6.0	5.3	25	10	1.8	3.4	1.5
R 006.0200-10	6	2.3	6.0	5.3	25	10	1.8	3.4	2.0
R 006.0100-15	6	2.3	6.0	5.3	30	15	1.8	3.4	1.0
R 006.0150-15	6	2.3	6.0	5.3	30	15	1.8	3.4	1.5
R 006.0200-15	6	2.3	6.0	5.3	30	15	1.8	3.4	2.0
R 006.0150-22	6	2.3	6.0	5.3	37	22	1.8	3.4	1.5
R 006.0100-22	6	2.3	6.0	5.3	37	22	1.8	3.4	1.0
R 006.0200-22	6	2.3	6.0	5.3	37	22	1.8	3.4	2.0
R 006.0100-25	6	2.3	6.0	5.3	40	25	1.8	3.4	1.0
R 006.0150-25	6	2.3	6.0	5.3	40	25	1.8	3.4	1.5
R 006.0200-25	6	2.3	6.0	5.3	40	25	1.8	3.4	2.0
R 006.0150-30	6	2.3	6.0	5.3	45	30	1.8	3.4	1.5
R 006.0100-30	6	2.3	6.0	5.3	45	30	1.8	3.4	1.0
R 006.0200-30	6	2.3	6.0	5.3	45	30	1.8	3.4	2.0
R 006.0150-35	6	2.3	6.0	5.3	50	35	1.8	3.4	1.5
R 006.0100-35	6	2.3	6.0	5.3	50	35	1.8	3.4	1.0
R 006.0100-42	6	2.3	6.0	5.3	57	42	1.8	3.4	1.0
R 007.0200-10	7	2.7	6.8	6.3	25	10	2.5	3.8	2.0
R 007.0100-10	7	2.7	6.8	6.3	25	10	2.5	3.8	1.0
R 007.0150-10	7	2.7	6.8	6.3	25	10	2.5	3.8	1.5
R 007.0150-15	7	2.7	6.8	6.3	30	15	2.5	3.8	1.5
R 007.0100-15	7	2.7	6.8	6.3	30	15	2.5	3.8	1.0
R 007.0200-15	7	2.7	6.8	6.3	30	15	2.5	3.8	2.0
R 007.0200-22	7	2.7	6.8	6.3	37	22	2.5	3.8	2.0
R 007.0100-22	7	2.7	6.8	6.3	37	22	2.5	3.8	1.0
R 007.0150-22	7	2.7	6.8	6.3	37	22	2.5	3.8	1.5
R 007.0150-25	7	2.7	6.8	6.3	40	25	2.5	3.8	1.5
R 007.0100-25	7	2.7	6.8	6.3	40	25	2.5	3.8	1.0
R 007.0200-25	7	2.7	6.8	6.3	40	25	2.5	3.8	2.0
R 007.0150-30	7	2.7	6.8	6.3	45	30	2.5	3.8	1.5
R 007.0100-30	7	2.7	6.8	6.3	45	30	2.5	3.8	1.0
R 007.0200-30	7	2.7	6.8	6.3	45	30	2.5	3.8	2.0
R 007.0100-35	7	2.7	7.0	6.3	50	35	2.5	3.8	1.0
R 007.0150-35	7	2.7	7.0	6.3	50	35	2.5	3.8	1.5
R 007.0200-35	7	2.7	7.0	6.3	50	35	2.5	3.8	2.0
R 007.0150-40	7	2.7	7.0	6.3	55	40	2.5	3.8	1.5
R 007.0100-40	7	2.7	7.0	6.3	55	40	2.5	3.8	1.0
R 007.0100-45	7	2.7	7.0	6.3	60	45	2.5	3.8	1.0
R 007.0100-50	7	2.7	7.0	6.3	65	50	2.5	3.8	1.0

P	●
M	●
K	●
N	●
S	○
H	○
O	●

Internal turning and profiling, grooving and chamfering

From Diameter 2.0 mm onwards up to a turning depth of 15.0 mm

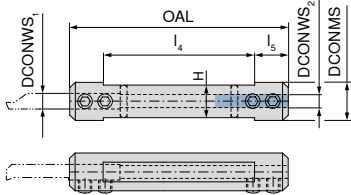


Miniature turning tools guide (Main catalogue 2024)	
Cutting Data	58–61
Symbol explanation, coatings and thread types	63
Broaching – Recommendations for Correct Use	62

UltraMini – Standard tool holder for cutting inserts

- ▲ double ended
- ▲ Machining diameter from Ø 0.5 mm

Scope of supply:
Tool holder with allen key

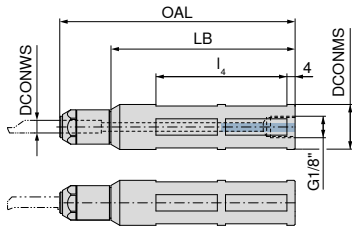


Designation	DCONWS ₁	DCONWS ₂	DCONMS	OAL	I ₄	I ₅	H
645.0012-D	4	5	12	75	55	10	10.3
645.0016-D	4	5	16	75	55	10	14.0
645.0020-D	4	5	20	90	70	10	18.0
676.0016-D	6	7	16	75	55	10	14.0
676.0020-D	6	7	20	90	70	10	18.0

73 080 ...	PG	Y5
£	£	
163	230.44	126.74
164	242.05	133.13
165	260.65	143.36
166	242.05	133.13
167	260.65	143.36

UltraMini – Quick change tool holder for cutting inserts

Scope of supply:
Tool holder, lock nut and clamping wedge

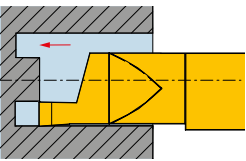


Designation	DCONWS	DCONMS _{g6}	OAL	LB	I ₄
UM600H.0012.4	4	12.00	115	90	64
UM600H.0016.4	4	16.00	115	90	64
UM600H.001905.4	4	19.05	115	90	64
UM600H.0020.4	4	20.00	115	90	64
UM600H.0022.4	4	22.00	115	90	64
UM600H.0025.4	4	25.00	115	90	64
UM600H.00254.4	4	25.40	115	90	64
UM600H.0028.4	4	28.00	115	90	64
UM600H.0012.5	5	12.00	115	90	64
UM600H.0016.5	5	16.00	115	90	64
UM600H.001905.5	5	19.05	115	90	64
UM600H.0020.5	5	20.00	115	90	64
UM600H.0022.5	5	22.00	115	90	64
UM600H.0025.5	5	25.00	115	90	64
UM600H.00254.5	5	25.40	115	90	64
UM600H.0028.5	5	28.00	115	90	64
UM600H.0012.6	6	12.00	115	90	64
UM600H.0016.6	6	16.00	115	90	64
UM600H.001905.6	6	19.05	115	90	64
UM600H.0020.6	6	20.00	115	90	64
UM600H.0022.6	6	22.00	115	90	64
UM600H.0025.6	6	25.00	115	90	64
UM600H.00254.6	6	25.40	115	90	64
UM600H.0028.6	6	28.00	115	90	64
UM600H.0012.7	7	12.00	115	90	64
UM600H.0016.7	7	16.00	115	90	64
UM600H.001905.7	7	19.05	115	90	64
UM600H.0020.7	7	20.00	115	90	64
UM600H.0022.7	7	22.00	115	90	64
UM600H.0025.7	7	25.00	115	90	64
UM600H.00254.7	7	25.40	115	90	64
UM600H.0028.7	7	28.00	115	90	64

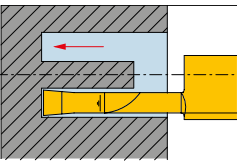
73 089 ...	PG	Y5
£	£	
124	424.99	239.25
164	394.64	217.06
194	423.47	232.91
204	447.74	229.74
224	424.04	233.70
254	433.55	238.46
264	442.20	243.21
284	442.20	243.21
125	434.09	239.25
165	394.64	217.06
195	423.47	232.91
205	447.74	229.74
225	424.04	233.70
255	433.55	238.46
265	442.20	243.21
285	442.20	243.21
126	434.09	239.25
166	394.64	217.06
196	423.47	232.91
206	447.74	229.74
226	424.04	233.70
256	433.55	238.46
266	442.20	243.21
286	442.20	243.21
127	434.09	239.25
167	394.64	217.06
197	423.47	232.91
207	447.74	229.74
227	424.04	233.70
257	433.55	238.46
267	442.20	243.21
287	442.20	243.21

Avoid pulling cuts. When using thro' coolant supply, tighten using key!

Axial grooving

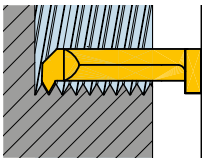


Minimum external diameter of groove 6.0 mm
At 1.5 mm grooving width
Up to 2.0 mm grooving depth



Minimum external diameter of groove 15.0 mm
At 3.0 mm grooving width
Up to 30.0 mm grooving depth

Thread turning



Turning of external threads from diameter 4.0 mm onwards
▲ Metric standard and fine thread
▲ Whitworth pipe threads

The rest of the comprehensive UltraMini range is available in the main catalogue.



Technical support: 0800 073 2 075
3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



Order by 6:00 pm and get your
guaranteed free express delivery

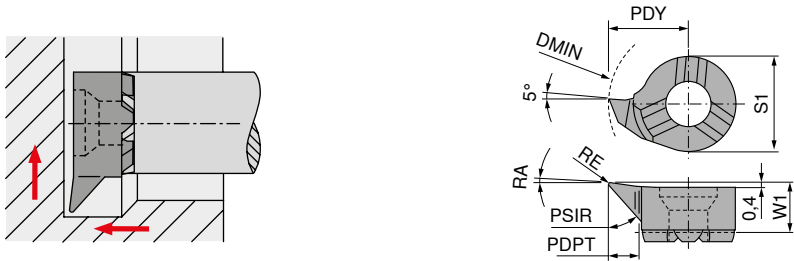


When you see this logo it's
in stock in Sheffield

MiniCut – Internal undercut insert

▲ CDX = ap_{max}

WNT \ Performance



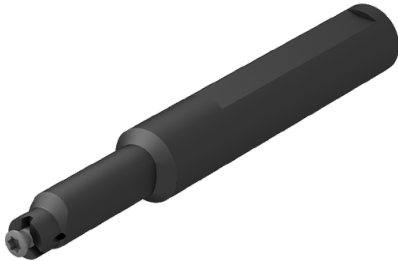
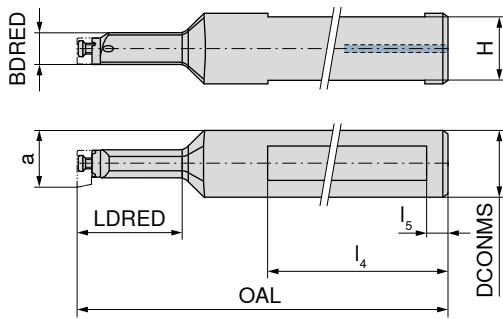
Size	ISO designation	DMIN mm	PDPT mm	W1 mm	PDY mm	S1 mm	RE mm	CDX mm	PSIR °	RA °
08	8,00. R .30°1,0	7.8	1.0	3.5	4.65	6	0.2	0.4	30	3
	8,00. R .47°1,2	7.8	1.2	3.5	4.65	6	0.2	0.4	47	3
11	11,00. R .30°2,3	11.0	2.3	4.2	6.70	8	0.2	0.6	30	3
	11,00. R .47°2,3	11.0	2.3	4.2	6.70	8	0.2	0.6	47	3
14	13,70. R .47°3,0	13.7	3.0	5.3	8.70	9	0.2	0.8	47	3
	13,70. R .30°4,0	13.7	4.0	5.3	8.70	9	0.2	0.8	30	3

P	●
M	●
K	●
N	●
S	●
H	●
O	●

Right-hand		
73 326 ...	PG	Y5
	£	£
010	57.04	31.35
012	49.52	27.24
423	55.68	30.62
323	48.22	26.52
530	48.52	27.24
540	57.04	31.35

MiniCut – Steel Tool holder

WNT \ Performance



Designation	a mm	DCONMS ₁₇ mm	OAL mm	l ₄ mm	LDRED mm	BDRED mm	H mm	l ₅ mm
8,00/16.N.12.1,0	7.8	16	80	60	12		15.0	5
8,00/16.N.22.1,0	7.8	16	90	60	22	7.0	15.0	5
11,00/16.N.16.2,3	10.7	16	97	60	16		14.5	5
11,00/16.N.29.2,3	10.7	16	110	60	29	9.5	14.5	5
14,00/16.N.18.4,0	13.8	16	100	60	18	11.0	14.5	5
14,00/16.N.38.4,0	13.8	16	120	60	38	11.0	14.5	5

73 522 ...		
	PG	Y5
	£	£
012	255.44	140.30
122	292.72	161.00
016	255.44	140.30
129	292.72	161.00
018	292.72	161.00
138	292.72	161.00





UK LOGISTICS
WHEN YOU SEE THIS LOGO
IT'S IN STOCK IN SHEFFIELD





SOLID CARBIDE MILLING CUTTERS



SilverLine – first choice for high performance solid carbide milling applications in all materials.



AluLine – first choice for high performance solid carbide milling of aluminium.



CircularLine – first choice for high performance trochoidal milling and modern CAM machining strategies.



Ti1000 Standard Line – cost effective solution for all standard applications and materials.

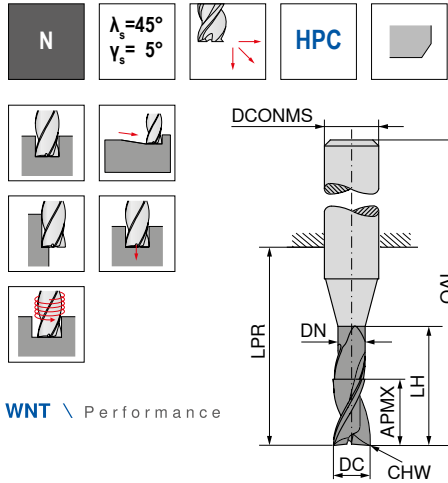
FIRST CHOICE FOR HIGH PERFORMANCE SOLID CARBIDE MILLING APPLICATIONS



- Optimised core geometry
- ▲ Less vibration even with high angles of contact
 - ▲ Significantly increased fracture resistance
- Latest Dragonskin coating
- ▲ Processing of almost all materials
 - ▲ Increased temperature resistance
 - ▲ Wet and dry machining
- Improved chip clearance
- ▲ Smoother processing
 - ▲ Lower forces during chip formation
 - ▲ Reduced heat generation
- Expanded product range
- ▲ Greater range of diameters
 - ▲ Increased range of flute options
 - ▲ HA shank options
 - ▲ Versions with thro' coolant
 - ▲ Roughing-finishing milling cutters
 - ▲ Rough milling cutters
 - ▲ Full slot milling cutters



SilverLine – End milling cutter



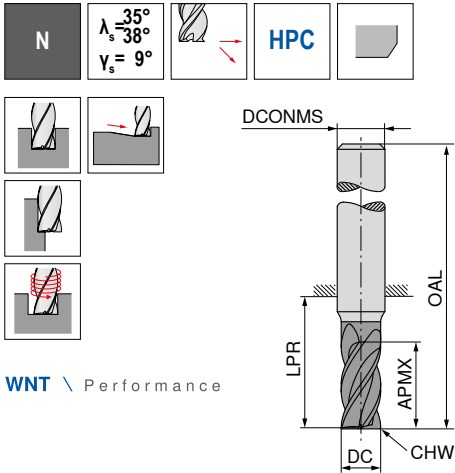
DC ₁₈	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	CHW	ZEFP
3.0	8	2.9	15	21	57	6	0.1	3
3.5	11	3.4	16	21	57	6	0.1	3
4.0	8	3.9	15	18	54	6	0.1	3
4.0	11	3.9	16	21	57	6	0.1	3
4.0	16			26	62	6	0.1	3
4.5	13	4.4	19	21	57	6	0.1	3
5.0	9	4.9	16	18	54	6	0.1	3
5.0	13	4.9	19	21	57	6	0.1	3
5.0	17			26	62	6	0.1	3
5.5	13	5.4	19	21	57	6	0.1	3
6.0	10	5.9	17	18	54	6	0.2	3
6.0	13	5.9	19	21	57	6	0.2	3
6.0	18			26	62	6	0.2	3
6.5	19	6.3	25	27	63	8	0.2	3
7.0	19	6.8	25	27	63	8	0.2	3
7.5	19	7.3	25	27	63	8	0.2	3
8.0	12	7.8	20	22	58	8	0.2	3
8.0	19	7.8	25	27	63	8	0.2	3
8.0	24			32	68	8	0.2	3
8.5	22	8.2	30	32	72	10	0.2	3
9.0	22	8.7	30	32	72	10	0.2	3
9.5	22	9.2	30	32	72	10	0.2	3
10.0	14	9.7	24	26	66	10	0.2	3
10.0	22	9.7	30	32	72	10	0.2	3
10.0	30			40	80	10	0.2	3
12.0	16	11.7	26	28	73	12	0.2	3
12.0	26	11.7	36	38	83	12	0.2	3
12.0	36			48	93	12	0.2	3
14.0	18	13.7	28	30	75	14	0.2	3
14.0	26	13.7	36	38	83	14	0.2	3
14.0	42			54	99	14	0.2	3
16.0	22	15.5	32	34	82	16	0.2	3
16.0	32	15.5	42	44	92	16	0.2	3
16.0	48			60	108	16	0.2	3
18.0	24	17.5	34	36	84	18	0.2	3
18.0	32	17.5	42	44	92	18	0.2	3
18.0	54			66	114	18	0.2	3
20.0	26	19.5	40	42	92	20	0.2	3
20.0	38	19.5	52	54	104	20	0.2	3
20.0	60			76	126	20	0.2	3

P	•	•	•
M	•	•	•
K	•	•	•
N	○	○	○
S	•	•	•
H			
O			

UKS	UKS	UKS
DPB72S	DPB72S	DPB72S
DRAGONSKIN	DRAGONSKIN	DRAGONSKIN
≈DIN 6527	≈DIN 6527	≈DIN 6527
50 966 ... PG V0/5A	50 966 ... PG V0/5A	50 966 ... PG V0/5A
£ £	£ £	£ £
04100	03200 79.95 55.96 03700 79.95 55.96	
05100	04200 77.10 53.97 04700 79.95 55.96	04400 81.25 56.90
06100	05200 77.10 53.97 05700 83.91 58.73	05400 81.25 56.90
08100	06200 81.14 56.80 06700 87.55 68.28 07200 87.55 68.28 07700 87.55 68.28	06400 90.15 63.11
10100	08200 94.72 66.31 08700 162.56 113.80 09200 162.56 113.80 09700 162.56 113.80	08400 101.27 70.89
12100	10200 159.58 111.71 12200 216.11 151.28	10400 180.28 126.19
14100	14200 285.03 199.52	12400 244.68 171.28
16100	16200 483.65 338.55	14400 316.99 221.83
18100	18200 498.56 348.99	16400 480.03 342.32
20100	20200 581.68 407.18	18400 630.52 441.37
		20400 728.01 509.60



SilverLine – End milling cutter



DC ₁₈	APMX	LPR	OAL	DCONMS ₁₆	CHW	ZEFP
mm	mm	mm	mm	mm	mm	
3.0	5	14	50	6	0.1	4
3.0	8	21	57	6	0.1	4
3.5	8	18	54	6	0.1	4
3.5	11	21	57	6	0.1	4
4.0	8	18	54	6	0.1	4
4.0	11	21	57	6	0.1	4
4.5	9	18	54	6	0.1	4
4.5	13	21	57	6	0.1	4
5.0	9	18	54	6	0.1	4
5.0	13	21	57	6	0.1	4
5.5	10	18	54	6	0.1	4
5.5	13	21	57	6	0.1	4
6.0	10	18	54	6	0.1	4
6.0	13	21	57	6	0.1	4
7.0	12	22	58	8	0.2	4
7.0	21	27	63	8	0.2	4
8.0	12	22	58	8	0.2	4
8.0	21	27	63	8	0.2	4
9.0	14	26	66	10	0.2	4
9.0	22	32	72	10	0.2	4
10.0	14	26	66	10	0.2	4
10.0	22	32	72	10	0.2	4
11.0	16	28	73	12	0.3	4
11.0	26	38	83	12	0.3	4
12.0	16	28	73	12	0.3	4
12.0	26	38	83	12	0.3	4
14.0	16	28	73	14	0.3	4
14.0	26	38	83	14	0.3	4
15.0	22	34	82	16	0.3	4
15.0	36	44	92	16	0.3	4
16.0	22	34	82	16	0.3	4
16.0	36	44	92	16	0.3	4
17.0	22	34	82	18	0.3	4
17.0	36	44	92	18	0.3	4
18.0	22	34	82	18	0.3	4
18.0	36	44	92	18	0.3	4
19.0	26	42	92	20	0.3	4
19.0	41	54	104	20	0.3	4
20.0	26	42	92	20	0.3	4
20.0	41	54	104	20	0.3	4

P	●	●	●	●
M	●	●	●	●
K	●	●	●	●
N	○	○	○	○
S	●	●	●	●
H				
O				

UKS

DPB72S

DRAGONSKIN



≈DIN 6527

UKS

DPB72S

DRAGONSKIN



≈DIN 6527

UKS

DPB72S

DRAGONSKIN



≈DIN 6527

UKS

DPB72S

DRAGONSKIN



≈DIN 6527

50 972 ... PG V0/5A

	£	£
03100	66.16	46.31
03600	66.16	46.31
04100	66.16	46.31
04600	67.55	47.28
05100	67.55	47.28
05600	65.34	45.74
06100	65.34	45.74
07100	86.88	60.81
08100	86.88	60.81
09100	113.40	79.38
10100	113.40	79.38
11100	179.23	125.46
12100	179.23	125.46
14100	230.33	161.23
15100	284.52	199.16
16100	284.52	199.16
17100	386.87	270.81
18100	386.87	270.81
19100	438.99	307.29
20100	438.99	307.29

50 973 ... PG V0/5A

	£	£
03100	66.16	46.31
03600	66.16	46.31
04100	66.16	46.31
04600	67.55	47.28
05100	67.55	47.28
05600	65.34	45.74
06100	65.34	45.74
07100	86.88	60.81
08100	86.88	60.81
09100	113.40	79.38
10100	113.40	79.38
11100	179.23	125.46
12100	179.23	125.46
14100	230.33	161.23
15100	284.52	199.16
16100	284.52	199.16
17100	386.87	270.81
18100	386.87	270.81
19100	438.99	307.29
20100	438.99	307.29

50 972 ... PG V0/5A

	£	£
03200	66.16	46.31
03700	66.16	46.31
04200	66.16	46.31
04700	67.55	47.28
05200	67.55	47.28
05700	65.34	45.74
06200	65.34	45.74
07200	86.88	60.81
08200	86.88	60.81
09200	113.40	79.38
10200	113.40	79.38
11200	179.23	125.46
12200	179.23	125.46
14200	230.33	161.23
15200	284.52	199.16
16200	284.52	199.16
17200	386.87	270.81
18200	386.87	270.81
19200	438.99	307.29
20200	438.99	307.29

50 973 ... PG V0/5A

	£	£
03200	66.16	46.31
03700	66.16	46.31
04200	66.16	46.31
04700	67.55	47.28
05200	67.55	47.28
05700	65.34	45.74
06200	65.34	45.74
07200	86.88	60.81
08200	86.88	60.81
09200	113.40	79.38
10200	113.40	79.38
11200	179.23	125.46
12200	179.23	125.46
14200	230.33	161.23
15200	284.52	199.16
16200	284.52	199.16
17200	386.87	270.81
18200	386.87	270.81
19200	438.99	307.29
20200	438.99	307.29

CERATIZIT worldwide

- CERATIZIT Group**
- ▲ Headquarters
 - ▲ Production & Sales
 - △ Production
 - ▲ Sales
- CB-CERATIZIT**
- ▲ Production & Sales
 - △ Production
 - ▲ Sales



Technical support: 0800 073 2 075
3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



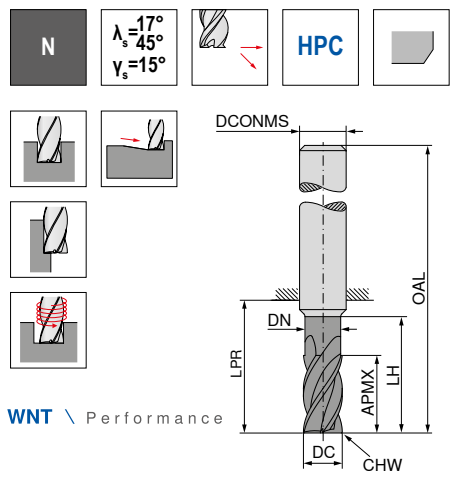
Order by 6:00 pm and get your
guaranteed free express delivery



When you see this logo it's
in stock in Sheffield

SilverLine – End milling cutter

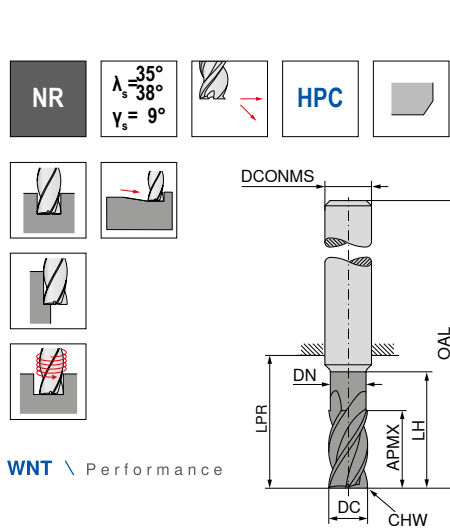
▲ Especially for high-volume milling



DC _{fl}	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	CHW	ZEFP	50 976 ... PG V0/5A			50 977 ... PG V0/5A		
										£	£		£	£
3	8	2.8	13	21	57	6	0.1	4	03200	92.41	64.68	03200	92.41	64.68
4	11	3.8	17	21	57	6	0.1	4	04200	92.41	64.68	04200	92.41	64.68
5	13	4.8	19	21	57	6	0.1	4	05200	92.41	64.68	05200	92.41	64.68
6	13	5.8	19	21	57	6	0.1	4	06200	97.08	67.96	06200	97.08	67.96
8	21	7.7	25	27	63	8	0.2	4	08200	111.38	77.91	08200	111.38	77.91
10	22	9.7	30	32	72	10	0.2	4	10200	191.19	133.83	10200	191.19	133.83
12	26	11.6	36	38	83	12	0.3	4	12200	259.06	181.34	12200	259.06	181.34
14	26	13.6	36	38	83	14	0.3	4	14200	381.58	267.05	14200	381.58	267.05
16	36	15.5	42	44	92	16	0.3	4	16200	483.84	338.69	16200	483.84	338.69
18	36	17.5	42	44	92	18	0.3	4	18200	667.92	467.54	18200	667.92	467.54
20	41	19.5	52	54	104	20	0.3	4	20200	695.29	486.70	20200	695.29	486.70
P									●			●		
M									●			●		
K									●			●		
N									○			○		
S														
H														
O														

SilverLine – Rough milling cutter

▲ With roughing profile



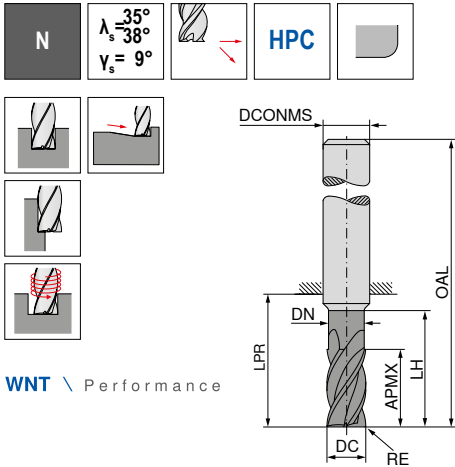
DC d11	APMX	DN	LH	LPR	OAL	DCONMS h6	CHW	ZEFP		50 979 ...	PG V0/5A
mm	mm	mm	mm	mm	mm	mm	mm				
3.0	8	2.8	13	21	57	6	0.1	4		03200	190.59 133.35
3.5	11	3.3	17	21	57	6	0.1	4		03700	190.59 133.35
4.0	11	3.8	17	21	57	6	0.1	4		04200	190.59 133.35
4.5	13	4.3	19	21	57	6	0.1	4		04700	190.59 133.35
5.0	13	4.8	19	21	57	6	0.1	4		05200	190.59 133.35
5.5	13	5.3	19	21	57	6	0.1	4		05700	190.59 133.35
6.0	13	5.8	19	21	57	6	0.1	4		06200	190.59 133.35
7.0	21	6.7	25	27	63	8	0.2	4		07200	205.21 143.64
8.0	21	7.7	25	27	63	8	0.2	4		08200	205.21 143.64
9.0	22	8.7	30	32	72	10	0.2	4		09200	215.59 150.91
10.0	22	9.7	30	32	72	10	0.2	4		10200	215.59 150.91
11.0	26	10.6	36	38	83	12	0.3	4		11200	300.98 210.68
12.0	26	11.6	36	38	83	12	0.3	4		12200	300.98 210.68
14.0	26	13.6	36	38	83	14	0.3	4		14200	430.85 301.59
15.0	36	14.5	42	44	92	16	0.3	4		15200	430.85 301.59
16.0	36	15.5	42	44	92	16	0.3	4		16200	430.85 301.59
17.0	36	16.5	42	44	92	18	0.3	4		17200	504.28 352.99
18.0	36	17.5	42	44	92	18	0.3	4		18200	504.28 352.99
19.0	41	18.5	52	54	104	20	0.3	4		19200	678.65 475.06
20.0	41	19.5	52	54	104	20	0.3	4		20200	678.65 475.06
P											●
M											●
K											●
N											○
S											●
H											
O											



Get the most out of your solid carbide tools by using Centro-P
→ see page 81



SilverLine – End milling cutter with corner radius

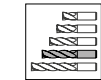


DC ₁₈	RE _{±0,05}	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	ZEFP
mm	mm	mm	mm	mm	mm	mm	mm	
3	0.10	8.0	2.8	13	21	57	6	4
3	0.40	8.0	2.8	13	21	57	6	4
3	0.50	8.0	2.8	13	21	57	6	4
3	1.00	8.0	2.8	13	21	57	6	4
3	0.50	6.5	2.8	15	22	58	6	4
3	0.30	6.5	2.8	15	22	58	6	4
3	0.80	6.5	2.8	15	22	58	6	4
4	0.40	11.0	3.8	17	21	57	6	4
4	0.10	11.0	3.8	17	21	57	6	4
4	0.50	11.0	3.8	17	21	57	6	4
4	1.00	11.0	3.8	17	21	57	6	4
4	0.50	8.5	3.8	20	26	62	6	4
4	0.40	8.5	3.8	20	26	62	6	4
4	0.80	8.5	3.8	20	26	62	6	4
5	1.00	13.0	4.8	19	21	57	6	4
5	0.10	13.0	4.8	19	21	57	6	4
5	0.50	13.0	4.8	19	21	57	6	4
5	0.80	10.5	4.8	25	34	70	6	4
5	0.50	10.5	4.8	25	34	70	6	4
6	1.00	13.0	5.8	19	21	57	6	4
6	0.10	13.0	5.8	19	21	57	6	4
6	0.50	13.0	5.8	19	21	57	6	4
6	1.50	13.0	5.8	19	21	57	6	4
6	0.80	13.0	5.8	30	34	70	6	4
6	0.60	13.0	5.8	30	34	70	6	4
6	1.00	13.0	5.8	30	34	70	6	4
8	0.50	21.0	7.7	25	27	63	8	4
8	0.15	21.0	7.7	25	27	63	8	4
8	1.00	21.0	7.7	25	27	63	8	4
8	1.50	21.0	7.7	25	27	63	8	4
8	2.00	21.0	7.7	25	27	63	8	4
8	1.50	17.0	7.7	40	44	80	8	4
8	0.80	17.0	7.7	40	44	80	8	4
8	1.00	17.0	7.7	40	44	80	8	4
8	2.00	17.0	7.7	40	44	80	8	4
10	0.15	22.0	9.7	30	32	72	10	4
10	0.50	22.0	9.7	30	32	72	10	4
10	1.00	22.0	9.7	30	32	72	10	4
10	1.50	22.0	9.7	30	32	72	10	4
10	2.00	22.0	9.7	30	32	72	10	4
10	1.50	21.0	9.7	50	54	94	10	4
10	0.50	21.0	9.7	50	54	94	10	4
10	1.00	21.0	9.7	50	54	94	10	4
10	2.00	21.0	9.7	50	54	94	10	4
12	0.20	26.0	11.6	36	38	83	12	4
12	0.50	26.0	11.6	36	38	83	12	4
12	1.00	26.0	11.6	36	38	83	12	4
12	1.50	26.0	11.6	36	38	83	12	4
12	2.00	26.0	11.6	36	38	83	12	4
12	3.00	26.0	11.6	36	38	83	12	4
12	4.00	26.0	11.6	36	38	83	12	4
12	2.00	25.0	11.6	60	64	109	12	4
12	0.50	25.0	11.6	60	64	109	12	4
12	1.00	25.0	11.6	60	64	109	12	4
12	1.50	25.0	11.6	60	64	109	12	4
12	3.00	25.0	11.6	60	64	109	12	4
12	4.00	25.0	11.6	60	64	109	12	4
14	0.30	26.0	13.6	36	38	83	14	4
14	1.00	26.0	13.6	36	38	83	14	4
14	2.00	26.0	13.6	36	38	83	14	4
14	3.00	26.0	13.6	36	38	83	14	4
14	4.00	26.0	13.6	36	38	83	14	4
14	3.00	29.0	13.6	70	74	119	14	4
14	1.00	29.0	13.6	70	74	119	14	4
14	2.00	29.0	13.6	70	74	119	14	4
14	4.00	29.0	13.6	70	74	119	14	4
16	1.00	36.0	15.5	42	44	92	16	4
16	0.30	36.0	15.5	42	44	92	16	4
16	2.00	36.0	15.5	42	44	92	16	4
16	3.00	36.0	15.5	42	44	92	16	4
16	4.00	36.0	15.5	42	44	92	16	4
16	3.00	33.0	15.5	80	84	132	16	4
16	1.00	33.0	15.5	80	84	132	16	4
16	2.00	33.0	15.5	80	84	132	16	4
16	4.00	33.0	15.5	80	84	132	16	4
18	1.00	36.0	17.5	42	44	92	18	4
18	2.00	36.0	17.5	42	44	92	18	4
18	3.00	36.0	17.5	42	44	92	18	4
18	4.00	36.0	17.5	42	44	92	18	4
18	3.00	38.0	17.5	90	94	142	18	4
18	1.00	38.0	17.5	90	94	142	18	4
18	2.00	38.0	17.5	90	94	142	18	4
18	4.00	38.0	17.5	90	94	142	18	4
20	0.30	41.0	19.5	52	54	104	20	4
20	1.00	41.0	19.5	52	54	104	20	4
20	2.00	41.0	19.5	52	54	104	20	4
20	3.00	41.0	19.5	52	54	104	20	4
20	4.00	41.0	19.5	52	54	104	20	4
20	3.00	42.0	19.5	100	104	154	20	4
20	1.00	42.0	19.5	100	104	154	20	4
20	2.00	42.0	19.5	100	104	154	20	4
20	4.00	42.0	19.5	100	104	154	20	4

P	•	•	•	•
M	•	•	•	•
K	•	•	•	•
N	○	○	○	○
S	•	•	•	•
H				
O				



DPB72S



Factory standard



DPB72S



Factory standard



DPB72S



Factory standard



DPB72S



Factory standard



50 970 ... PG V0/5A

	£	£
03201	89.18	62.43
03204	89.18	62.43
03205	89.18	62.43
03210	89.18	62.43

04204	89.18	62.43
04201	89.18	62.43
04205	89.18	62.43
04210	89.18	62.43

05210	90.62	63.43
05201	90.62	63.43
05205	90.62	63.43

06210	88.43	61.90
06201	88.43	61.90
06205	88.43	61.90
06215	88.43	61.90

08205	110.87	77.61
08202	110.87	77.61
08210	110.87	77.61
08215	110.87	77.61
08220	110.87	77.61

10202	138.54	96.98
10205	138.54	96.98
10210	138.54	96.98
10215	138.54	96.98
10220	138.54	96.98

12202	213.87	149.71
12205	213.87	149.71
12210	213.87	149.71
12215	213.87	149.71
12220	213.87	149.71
12230	213.87	149.71
12240	213.87	149.71

14203	323.48	226.44
14210	323.48	226.44
14220	323.48	226.44
14230	323.48	226.44
14240	323.48	226.44

16210	323.48	226.44
16203	323.48	226.44
16220	323.48	226.44
16230	323.48	226.44
16240	323.48	226.44

18210	430.32	301.22
18220	430.32	301.22
18230	430.32	301.22
18240	430.32	301.22

20203	484.54	339.18
20210	484.54	339.18
20220	484.54	339.18
20230	484.54	339.18
20240	484.54	339.18

50 971 ... PG V0/5A

	£	£
03201	89.18	62.43
03204	89.18	62.43
03205	89.18	62.43
03210	89.18	62.43

04204	89.18	62.43
04201	89.18	62.43
04205	89.18	62.43
04210	89.18	62.43

05210	90.62	63.43
05201	90.62	63.43
05205	90.62	63.43

06210	88.43	61.90
06201	88.43	61.90
06205	88.43	61.90
06215	88.43	61.90

08205	110.87	77.61
08202	110.87	77.61
08210	110.87	77.61
08215	110.87	77.61
08220	110.87	77.61

10202	138.54	96.98
10205	138.54	96.98
10210	138.54	96.98
10215	138.54	96.98
10220	138.54	96.98

12202	213.87	149.71
12205	213.87	149.71
12210	213.87	149.71
12215	213.87	149.71
12220	213.87	149.71
12230	213.87	149.71
12240	213.87	149.71

14203	323.48	226.44
14210	323.48	226.44
14220	323.48	226.44
14230	323.48	226.44
14240	323.48	226.44

16210	323.48	226.44
16203	323.48	226.44
16220	323.48	226.44
16230	323.48	226.44
16240	323.48	226.44

SilverLine – End milling cutter

N

$\lambda_s=37^\circ$
 $\gamma_s=38^\circ$
 $\gamma_s=9^\circ$

DCONMS
LPR
OAL
APMX
DC
CHW

UKS

DPB72S

DRAGONSKIN

LPR
OAL
APMX
DC
CHW

UKS

DPB72S

DRAGONSKIN

LPR
OAL
APMX
DC
CHW

50 993 ...

PG V0/5A

£

£

50 995 ...

PG V0/5A

£

£

DC es	APMX	LPR	OAL	DCONMS h6	α°	ZEFP
6	10	18	54	6	45	5
8	12	22	58	8	45	5
10	14	26	66	10	45	5
12	16	28	73	12	45	5
16	22	34	82	16	45	5
20	26	42	92	20	45	5

P

M

K

N

S

H

O

SilverLine – End milling cutter

N

$\lambda_s=37^\circ$
 $\gamma_s=38^\circ$
 $\gamma_s=9^\circ$

DCONMS
LPR
OAL
APMX
DC
CHW

UKS

DPB72S

DRAGONSKIN

LPR
OAL
APMX
DC
CHW

UKS

DPB72S

DRAGONSKIN

LPR
OAL
APMX
DC
CHW

50 994 ...

PG V0/5A

£

£

50 996 ...

PG V0/5A

£

£

DC es	APMX	DN	LH	LPR	OAL	DCONMS h6	α°	ZEFP
6	13	5.8	19	21	57	6	45	5
8	21	7.7	25	27	63	8	45	5
10	22	9.7	30	32	72	10	45	5
12	26	11.6	36	38	83	12	45	5
16	36	15.5	42	44	92	16	45	5
20	41	19.5	52	54	104	20	45	5

P

M

K

N

S

H

O

SilverLine – End milling cutter with corner radius

N

$\lambda_s=37^\circ$
 $\gamma_s=38^\circ$
 $\gamma_s=9^\circ$

DCONMS
LPR
OAL
APMX
DC
RE

UKS

DPB72S

DRAGONSKIN

LPR
OAL
APMX
DC
RE

UKS

DPB72S

DRAGONSKIN

LPR
OAL
APMX
DC
RE

50 997 ...

PG V0/5A

£

£

50 998 ...

PG V0/5A

£

£

DC es	RE ±0.05	APMX	LPR	OAL	DCONMS h6	ZEFP
6	0.2	13	21	57	6	5
6	0.5	13	21	57	6	5
6	1.0	13	21	57	6	5
8	0.2	21	27	63	8	5
8	0.5	21	27	63	8	5
8	1.0	21	27	63	8	5
8	1.5	21	27	63	8	5
10	0.2	22	32	72	10	5
10	0.5	22	32	72	10	5
10	1.0	22	32	72	10	5
10	1.5	22	32	72	10	5
10	1.6	22	32	72	10	5
10	2.0	22	32	72	10	5
12	0.3	26	38	83	12	5
12	0.5	26	38	83	12	5
12	1.0	26	38	83	12	5
12	1.5	26	38	83	12	5
12	1.6	26	38	83	12	5
12	2.0	26	38	83	12	5
12	2.5	26	38	83	12	5
16	0.3	36	44	92	16	5
16	0.5	36	44	92	16	5
16	1.0	36	44	92	16	5
16	1.5	36	44	92	16	5
16	1.6	36	44	92	16	5
16	2.0	36	44	92	16	5
16	2.5	36	44	92	16	5
16	3.0	36	44	92	16	5
20	0.3	41	54	104	20	5
20	0.5	41	54	104	20	5
20	1.0	41	54	104	20	5
20	1.5	41	54	104	20	5
20	1.6	41	54	104	20	5
20	2.0	41	54	104	20	5
20	2.5	41	54	104	20	5
20	3.0	41	54	104	20	5
20	4.0	41	54	104	20	5

P

M

K

N

S

H

O

SilverLine – High Accuracy Finish Milling Cutter

N

$\lambda_s=48^\circ$
 $\gamma_s=50^\circ$
 $\gamma_s=13^\circ$

DCONMS
LPR
OAL
APMX
DC

UKS

DPB72S

DRAGONSKIN

LPR
OAL
APMX
DC

UKS

DPB72S

DRAGONSKIN

LPR
OAL
APMX
DC

50 991 ...

PG V0/5A

£

£

50 991 ...

PG V0/5A

£

£

DC es	APMX	DN	LH	LPR	OAL	DCONMS h6	ZEFP
6	13	5.6	19	21	57	6	6
6	10	5.8	18	22	58	6	6
6	13	5.8	27	31	67	6	6
6	13	5.8	36	40	76	6	6
6	15	5.6	42	44	80	6	6
8	19	7.6	25	27	63	8	6
8	13	7.7	24	28	64	8	6
8	17	7.7	36	40	76	8	6
8	17	7.7	48	53	89	8	6
8	20	7.6	62	64	100	8	6
10	22	9.6	30	32	72	10	6
10	16	9.7	30	34	74	10	6
10	21	9.7	45	49	89	10	6
10	21	9.7	60	64	104	10	6
12	26	11.5	36	38	83	12	6
12	19	11.6	36	40	85	12	6
12	25	11.6	54	58	103	12	6
12	30	11.5	73	75	120	12	6
12	25	11.6	72	76	121	12	6
16	32	15.0	42	44	92	16	6
16	25	15.5	48	52	100	16	6
16	33	15.5	72	76	124	16	6
16	33	15.5	96	100	148	16	6
16	40	15.0	100	102	150	16	6
20	38	19.0	52	54	104	20	6
20	32	19.5	60	64	114	20	6
20	42	19.5	90	94	144	20	6
20	50	19.0	98	100	150	20	6
25	40	24.5	75	80	136	25	6
25	52	24.5	113	118	174	25	6
25	52	24.5	150	154	210	25	6

P

M

K

N

S

H

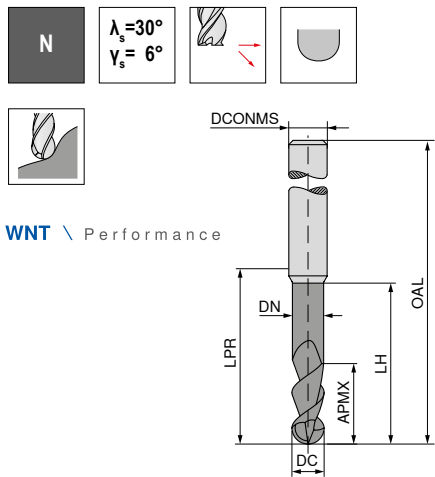
O

60

Customer Service Centre
Freephone: 0800 073 2 073
Email: info.uk@ceratizit.com

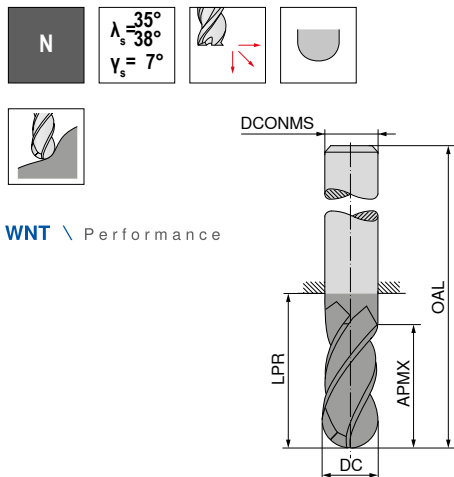
Ordering via the Online Shop
<http://cuttingtools.ceratizit.com>

SilverLine – Ball Nosed Cutter



Factory standard								50 963 ...			PG V0/5A		
DC _{rs}	APMX	DN	LH	LPR	OAL	DCONMS _{ns}	ZEFP		£	£		£	£
3	4	2.8	10.0	14	50	6	2	03115	84.02	58.82			
3	7	3.0	8.8	24	60	6	2	04120	84.02	58.82			
4	8	3.8	12.0	18	54	6	2	05125	84.02	58.82			
4	10	4.0	12.5	39	75	6	2	06130	84.02	58.82			
5	9	4.8	16.0	18	54	6	2	07135	102.28	71.59			
5	12	5.0	15.0	39	75	6	2	08140	102.28	71.59			
6	10	5.7	16.0	18	54	6	2	10150	127.89	89.52			
6	12	6.0	15.0	64	100	6	2	12160	185.04	130.07			
7	11	6.6	20.0	22	58	8	2	14170	245.77	151.04			
8	12	7.6	20.0	22	58	8	2	16180	273.78	191.64			
8	14	8.0	17.5	64	100	8	2	18190	454.10	315.77			
10	14	9.6	24.0	26	66	10	2	20110	454.10	315.77			
10	18	10.0	22.5	60	100	10	2	20410	792.43	554.70			
12	16	11.5	26.0	28	73	12	2						
12	22	12.0	27.5	55	100	12	2						
14	18	13.3	28.0	30	75	14	2						
14	26	14.0	32.5	75	120	14	2						
16	22	15.2	32.0	34	82	16	2						
16	30	16.0	37.5	102	150	16	2						
18	24	17.1	34.0	36	84	18	2						
20	26	19.0	40.0	42	92	20	2						
20	38	20.0	47.5	100	150	20	2						
P													
M													
K													
N													
S													
H													
O													

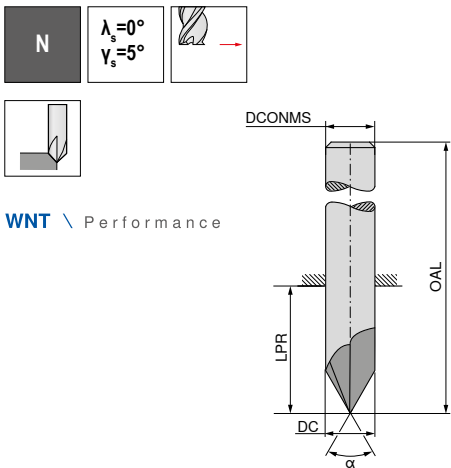
SilverLine – Ball Nosed Cutter



Factory standard								50 990 ...			PG V0/5A		
DC _{rs}	APMX	LPR	OAL	DCONMS _{ns}	ZEFP				£	£		£	£
4	11	21	57	6	4			04220	84.80	57.26			
5	13	21	57	6	4			05225	84.80	57.26			
6	13	21	57	6	4			06230	95.70	66.99			
8	19	36	72	8	4			08280	148.58	83.01			
10	22	32	72	10	4			10250	149.74	104.80			
12	26	38	83	12	4			12260	236.04	165.84			
16	32	44	92	16	4			16280	349.63	244.74			
20	38	54	104	20	4			20210	506.70	354.69			
P													
M													
K													
N													
S													
H													
O													

SilverLine – NC deburring cutter

▲ High performance 5 flute chamfering tool



Factory standard					50 562 ...			50 563 ...			50 560 ...			50 561 ...		
DC _{ns}	OAL	LPR	DCONMS _{ns}	ZEFP		£	£		£	£		£	£		£	£
4	50	22	4	5	04000	47.50	30.87	06000	52.24	33.94	04000	47.50	30.87	06000	52.24	33.94
6	55	19	6	5	08000	68.02	44.22	08000	68.02	44.22	08000	68.02	44.22	08000	68.02	44.22
8	58	22	8	5	10000	88.87	52.57	10000	88.87	52.57	10000	88.87	52.57	10000	88.87	52.57
10	60	20	10	5	12000	103.32	67.16	12000	103.32	67.16	12000	103.32	67.16	12000	103.32	67.16
12	70	25	12	5	16000	160.85	104.55	16000	160.85	104.55	16000	160.85	104.55	16000	160.85	104.55
16	80	32	16	5												
P																
M																
K																
N																
S																
H																
O																

AluLine

With optimised coating and geometry for the effective machining of aluminium and non-ferrous metals

First Choice for high performance Aluminium Milling

Solid carbide milling tools from CERATIZIT ensure you always do a good job: We have added milling tools for machining aluminium and non-ferrous metals to our product portfolio. This means you will now be able to find the ideal product for any application.

This AluLine milling cutter allows you to master even the toughest demands when working with aluminium and non-ferrous metals. This is all made possible thanks to the special geometry and the specifically tailored coating.

Advantages/benefits

- ▲ **Economical and process-secure machining of aluminium and non-ferrous metals.**
Optimal performance thanks to the perfectly coordinated combination of geometry, substrate and coating.
- ▲ **Optimal/versatile tool selection for almost all applications in the machining of non-ferrous metals**
The product portfolio has increased in size following the program extension and now offers access to around 2500 items.
- ▲ **Extremely long tool service life possible**
Thanks to the wear-resistant DLC coating.

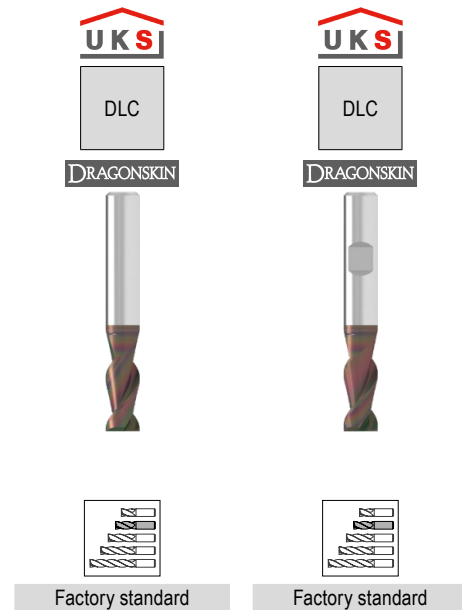
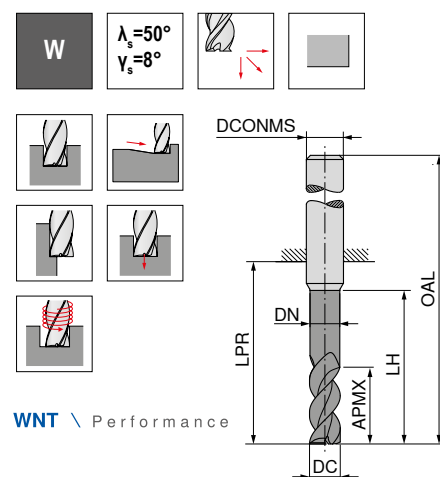
Our AluLine milling cutter impresses with its outstanding coating. It achieves first-rate results even in dry machining.

Product Manager CERATIZIT, Michael Wucher

Cutting datas can be found in our main catalogue, Chapter 14 Solid Carbide milling cutters on page 414-417

AluLine – End milling cutter

▲ With polished chip flutes

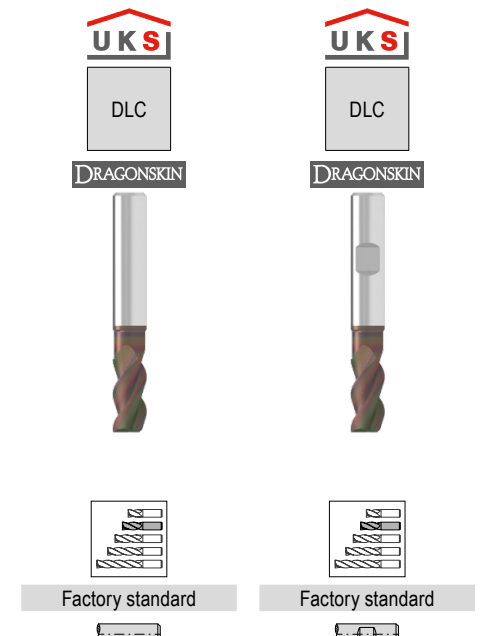
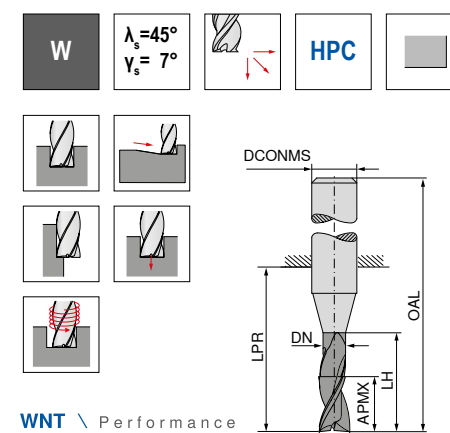


DC _{h6}	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	ZEFP	53 625 ...	PG V1/5B	53 626 ...	PG V1/5B		
mm	mm	mm	mm	mm	mm	mm		£	£	£	£		
5.0	10.5	4.8	15	22	58	6	2	05100	65.73	42.73	05100	65.73	42.73
5.5	13.0	5.3	18	22	58	6	2	05600	76.91	50.00	05600	76.91	50.00
6.0	13.0	5.8	18	22	58	6	2	06100	74.72	48.18	06100	74.72	48.18
6.5	17.0	6.2	24	28	64	8	2	06600	82.51	53.64	06600	82.51	53.64
7.0	17.0	6.7	24	28	64	8	2	07100	81.41	52.72	07100	81.41	52.72
7.5	17.0	7.2	24	28	64	8	2	07600	79.70	51.81	07600	79.70	51.81
8.0	17.0	7.7	24	28	64	8	2	08100	78.32	50.91	08100	78.32	50.91
8.5	21.0	8.2	30	34	74	10	2	08600	121.66	79.08	08600	121.66	79.08
9.0	21.0	8.7	30	34	74	10	2	09100	118.85	77.26	09100	118.85	77.26
9.5	21.0	9.2	30	34	74	10	2	09600	116.07	75.44	09600	116.07	75.44
10.0	21.0	9.7	30	34	74	10	2	10100	113.26	73.62	10100	113.26	73.62
10.5	25.0	10.1	36	40	85	12	2	10600	162.22	105.45	10600	162.22	105.45
11.0	25.0	10.6	36	40	85	12	2	11100	159.42	103.62	11100	159.42	103.62
11.5	25.0	11.1	36	40	85	12	2	11600	155.24	100.90	11600	155.24	100.90
12.0	25.0	11.6	36	40	85	12	2	12100	159.42	103.62	12100	159.42	103.62
12.5	29.0	12.1	42	46	91	14	2	12600	218.46	141.80	12600	218.46	141.80
13.0	29.0	12.6	42	46	91	14	2	13100	216.75	140.89	13100	216.75	140.89
13.5	29.0	13.1	42	46	91	14	2	13600	215.35	139.98	13600	215.35	139.98
14.0	29.0	13.6	42	46	91	14	2	14100	226.55	147.26	14100	226.55	147.26
14.5	33.0	14.0	48	52	100	16	2	14600	296.46	192.70	14600	296.46	192.70
15.0	33.0	14.5	48	52	100	16	2	15100	290.89	189.07	15100	290.89	189.07
15.5	33.0	15.0	48	52	100	16	2	15600	293.89	184.52	15600	293.89	184.52
16.0	33.0	15.5	48	52	100	16	2	16100	293.47	197.25	16100	293.47	197.25
16.5	38.0	16.0	54	58	106	18	2	16600	388.38	247.25	16600	388.38	247.25
17.0	38.0	16.5	54	58	106	18	2	17100	370.69	240.88	17100	370.69	240.88
17.5	38.0	17.0	54	58	106	18	2	17600	360.79	234.51	17600	360.79	234.51
18.0	38.0	17.5	54	58	106	18	2	18100	360.79	234.51	18100	360.79	234.51
18.5	42.0	18.0	60	64	114	20	2	18600	462.86	300.86	18600	462.86	300.86
19.0	42.0	18.5	60	64	114	20	2	19100	451.60	293.59	19100	451.60	293.59
19.5	42.0	19.0	60	64	114	20	2	19600	440.50	286.32	19600	440.50	286.32
20.0	42.0	19.5	60	64	114	20	2	20100	444.70	289.05	20100	444.70	289.05
P													
M													
K													
N													
S													
H													
O													

P
M
K
N
S
H
O

AluLine – End milling cutter

▲ With polished chip flutes



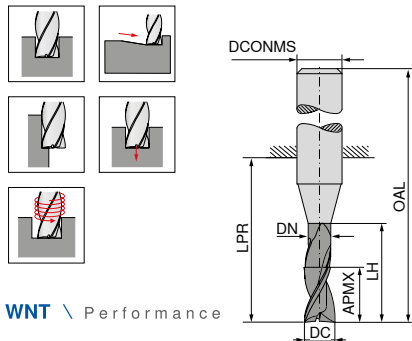
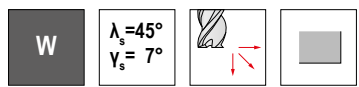
DC _{h6}	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	ZEFP	53 617 ...	PG V1/5B	53 618 ...	PG V1/5B		
mm	mm	mm	mm	mm	mm	mm		£	£	£	£		
2.0	4.5	1.8	6.0	14	50	6	3	02100	61.54	40.01	02100	61.54	40.01
2.5	5.5	2.3	7.5	19	55	6	3	02600	60.14	39.09	02600	60.14	39.09
3.0	6.5	2.8	9.0	19	55	6	3	03100	61.54	40.01	03100	61.54	40.01
3.5	8.5	3.3	12.0	19	55	6	3	03600	64.32	41.81	03600	64.32	41.81
4.0	8.5	3.8	12.0	19	55	6	3	04100	64.32	41.81	04100	64.32	41.81
4.5	10.5	4.3	15.0	22	58	6	3	04600	78.32	50.91	04600	78.32	50.91
5.0	10.5	4.8	15.0	22	58	6	3	05100	69.93	45.45	05100	69.93	45.45
5.5	13.0	5.3	18.0	22	58	6	3	05600	79.70	51.81	05600	79.70	51.81
6.0	13.0	5.8	18.0	22	58	6	3	06100	74.72	48.18	06100	74.72	48.18
6.5	17.0	6.2	24.0	28	64	8	3	06600	86.71	56.36	06600	86.71	56.36
7.0	17.0	6.7	24.0	28	64	8	3	07100	82.91	54.54	07100	82.91	54.54
7.5	17.0	7.2	24.0	28	64	8	3	07600	82.51	53.64	07600	82.51	53.64
8.0	17.0	7.7	24.0	28	64	8	3	08100	81.41	52.72	08100	81.41	52.72
8.5	21.0	8.2	30.0	34	74	10	3	08600	125.85	81.80	08600	125.85	81.80
9.0	21.0	8.7	30.0	34	74	10	3	09100	123.06	79.99	09100	123.06	79.99
9.5	21.0	9.2	30.0	34	74	10	3	09600	120.26	78.17	09600	120.26	78.17
10.0	21.0	9.7	30.0	34	74	10	3	10100	117.46	76.35	10100	117.46	76.35
10.5	25.0	10.1	36.0	40	85	12	3	10600	169.24	109.99	10600	169.24	109.99
11.0	25.0	10.6	36.0	40	85	12	3	11100	166.42	108.17	11100	166.42	108.17
11.5	25.0	11.1	36.0	40	85	12	3	11600	160.82	104.53	11600	160.82	104.53
12.0	25.0	11.6	36.0	40	85	12	3	12100	166.42	108.17	12100	166.42	108.17
12.5	29.0	12.1	42.0	46	91	14	3				12600	218.46	141.80
13.0	29.0	12.6	42.0	46	91	14	3				13100	216.75	140.89
13.5	29.0	13.1	42.0	46	91	14	3				13600	215.35	139.98
14.0	29.0	13.6	42.0	46	91	14	3				14100	226.55	147.26
14.5	33.0	14.0	48.0	52	100	16	3				14600	296.46	192.70
15.0	33.0	14.5	48.0	52	100	16	3				15100	290.88	189.07
15.5	33.0	15.0	48.0	52	100	16	3				15600	289.88	184.52
16.0	33.0	15.5	48.0	52	100	16	3				16100	293.47	197.25
16.5	38.0	16.0	54.0	58	106	18	3				16600	280.38	247.25
17.0	38.0	16.5	54.0	58	106	18	3				17100	270.59	240.88
17.5	38.0	17.0	54.0	58	106	18	3				17600	260.79	234.51
18.0	38.0	17.5	54.0	58	106	18	3				18100	260.79	234.51
18.5	42.0	18.0	60.0	64	114	20	3				18600	462.86	300.86
19.0	42.0	18.5	60.0	64	114	20	3				19100	451.60	293.59
19.5	42.0	19.0	60.0	64	114	20	3				19600	440.50	286.32
20.0	42.0	19.5	60.0	64	114	20	3				20100	444.70	289.05

P
M
K
N
S
H
O

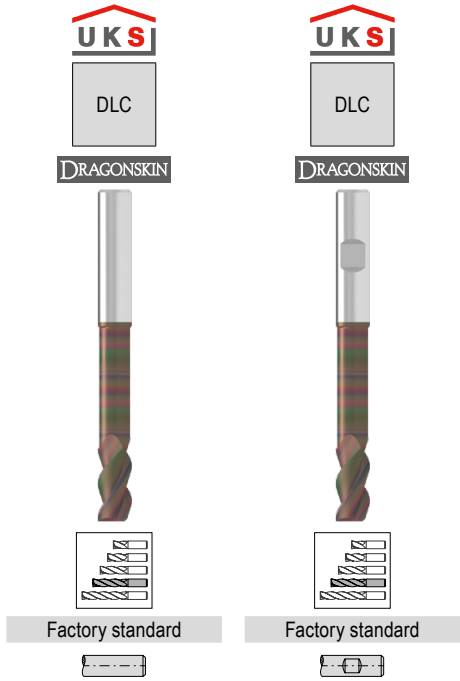


AluLine – End milling cutter

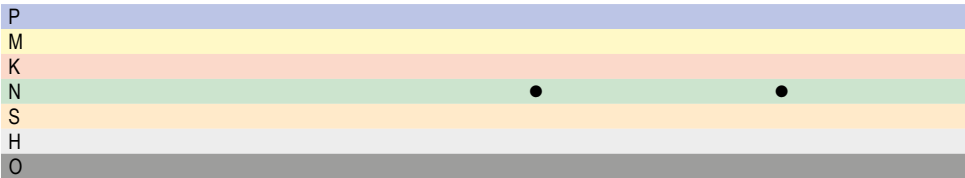
▲ With polished chip flutes



WNT \ Performance

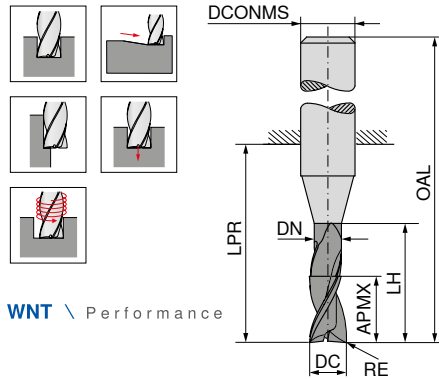
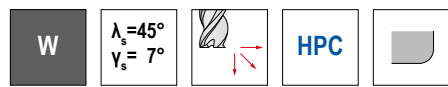


DC _{h6}	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	ZEFP	53 617 ...	PG V1/5B	53 618 ...	PG V1/5B
mm	mm	mm	mm	mm	mm	mm		£	£	£	£
2.0	5.5	1.8	10.0	19	55	6	3	02200	69.93 45.45	02200	69.93 45.45
2.5	6.5	2.3	12.5	22	58	6	3	02700	69.93 45.45	02700	69.93 45.45
3.0	8.0	2.8	15.0	22	58	6	3	03200	74.32 46.36	03200	74.32 46.36
3.5	10.5	3.3	20.0	26	62	6	3	03700	74.32 48.18	03700	74.32 48.18
4.0	10.5	3.8	20.0	26	62	6	3	04200	75.54 49.08	04200	75.54 49.08
4.5	13.0	4.3	25.0	34	70	6	3	04700	86.98 59.08	04700	86.98 59.08
5.0	13.0	4.8	25.0	34	70	6	3	05200	82.54 53.64	05200	82.54 53.64
5.5	16.0	5.3	30.0	34	70	6	3	05700	93.70 60.90	05700	93.70 60.90
6.0	16.0	5.8	30.0	34	70	6	3	06200	85.30 55.45	06200	85.30 55.45
6.5	21.0	6.2	40.0	44	80	8	3	06700	100.69 65.45	06700	100.69 65.45
7.0	21.0	6.7	40.0	44	80	8	3	07200	97.99 63.63	07200	97.99 63.63
7.5	21.0	7.2	40.0	44	80	8	3	07700	96.49 62.72	07700	96.49 62.72
8.0	21.0	7.7	40.0	44	80	8	3	08200	93.79 60.90	08200	93.79 60.90
8.5	26.0	8.2	50.0	54	94	10	3	08700	140.22 96.35	08700	140.22 96.35
9.0	26.0	8.7	50.0	54	94	10	3	09200	144.05 93.63	09200	144.05 93.63
9.5	26.0	9.2	50.0	54	94	10	3	09700	144.25 91.81	09700	144.25 91.81
10.0	26.0	9.7	50.0	54	94	10	3	10200	137.04 89.08	10200	137.04 89.08
10.5	31.0	10.1	60.0	64	109	12	3	10700	190.97 129.98	10700	190.97 129.98
11.0	31.0	10.6	60.0	64	109	12	3	11200	194.30 126.35	11200	194.30 126.35
11.5	31.0	11.1	60.0	64	109	12	3	11700	190.18 123.62	11700	190.18 123.62
12.0	31.0	11.6	60.0	64	109	12	3	12200	194.30 126.35	12200	194.30 126.35
12.5	36.0	12.1	70.0	74	119	14	3			12700	255.04 166.34
13.0	36.0	12.6	70.0	74	119	14	3			13200	254.50 165.43
13.5	36.0	13.1	70.0	74	119	14	3			13700	253.12 164.54
14.0	36.0	13.6	70.0	74	119	14	3			14200	264.34 171.79
14.5	41.0	14.0	80.0	84	132	16	3			14700	348.24 226.33
15.0	41.0	14.5	80.0	84	132	16	3			15200	341.22 221.79
15.5	41.0	15.0	80.0	84	132	16	3			15700	334.22 217.25
16.0	41.0	15.5	80.0	84	132	16	3			16200	355.20 230.88
16.5	47.0	16.0	90.0	94	142	18	3			16700	447.54 290.89
17.0	47.0	16.5	90.0	94	142	18	3			17200	436.34 283.60
17.5	47.0	17.0	90.0	94	142	18	3			17700	425.13 276.34
18.0	47.0	17.5	90.0	94	142	18	3			18200	423.74 275.41
18.5	52.0	18.0	100.0	104	154	20	3			18700	588.74 382.69
19.0	52.0	18.5	100.0	104	154	20	3			19200	573.35 372.68
19.5	52.0	19.0	100.0	104	154	20	3			19700	557.96 362.68
20.0	52.0	19.5	100.0	104	154	20	3			20200	560.76 364.50

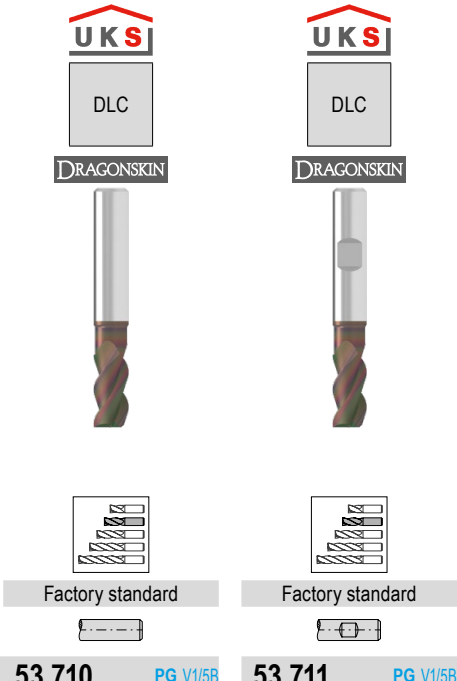


AluLine – End milling cutter with corner radius

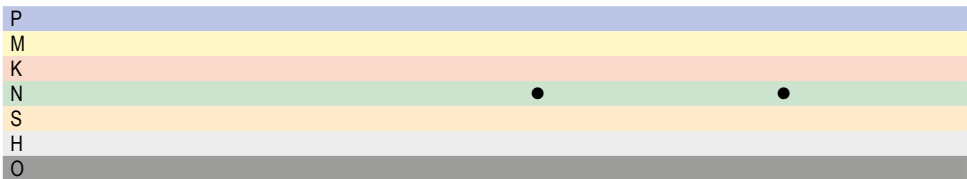
▲ With polished chip flutes



WNT \ Performance

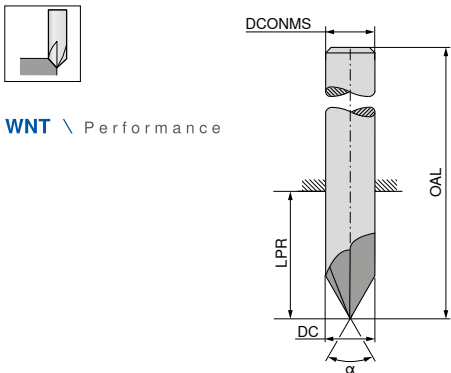
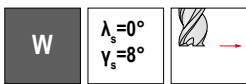


DC _{h6}	RE _{±0.05}	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	ZEFP	53 710 ...	PG V1/5B	53 711 ...	PG V1/5B
mm	mm	mm	mm	mm	mm	mm	mm		£	£	£	£
2	0.5	4.5	1.8	6	14	50	6	3	02105	62.92 40.90	02105	62.92 40.90
2	0.3	4.5	1.8	6	14	50	6	3	02103	62.92 40.90	02103	62.92 40.90
3	1.0	6.5	2.7	9	19	55	6	3	03110	64.32 41.81	03110	64.32 41.81
3	0.3	6.5	2.7	9	19	55	6	3	03103	64.32 41.81	03103	64.32 41.81
3	0.5	6.5	2.7	9	19	55	6	3	03105	64.32 41.81	03105	64.32 41.81
4	0.5	8.5	3.7	12	19	55	6	3	04105	68.52 44.54	04105	68.52 44.54
4	0.3	8.5	3.7	12	19	55	6	3	04103	68.52 44.54	04103	68.52 44.54
4	1.0	8.5	3.7	12	19	55	6	3	04110	68.52 44.54	04110	68.52 44.54
5	1.0	10.5	4.7	15	22	58	6	3	05110	74.12 49.08	05110	74.12 48.18
5	0.3	10.5	4.7	15	22	58	6	3	05103	74.12 49.08	05103	74.12 48.18
5	0.5	10.5	4.7	15	22	58	6	3	05105	74.12 49.08	05105	74.12 48.18
6	1.0	13.0	5.7	18	22	58	6	3	06110	78.32 50.91	06110	78.32 50.91
6	0.3	13.0	5.7	18	22	58	6	3	06103	78.32 50.91	06103	78.32 50.91
6	0.5	13.0	5.7	18	22	58	6	3	06105	78.32 50.91	06105	78.32 50.91
6	1.5	13.0	5.7	18	22	58	6	3	06115	78.32 50.91	06115	78.32 50.91
8	0.3	17.0	7.4	24	28	64	8	3	08103	85.30 55.45	08103	85.30 55.45
8	0.5	17.0	7.4	24	28	64	8	3	08105	85.30 55.45	08105	85.30 55.45
8	1.0	17.0	7.4	24	28	64	8	3	08110	85.30 55.45	08110	85.30 55.45
8	1.5	17.0	7.4	24	28	64	8	3	08115	85.30 55.45	08115	85.30 55.45
8	2.0	17.0	7.4	24	28	64	8	3	08120	85.30 55.45	08120	85.30 55.45
10	1.5	21.0	9.2	30	34	74	10	3	10115	124.46 80.90	10115	124.46 80.90
10	0.3	21.0	9.2	30	34	74	10	3	10103	124.46 80.90	10103	124.46 80.90
10	0.5	21.0	9.2	30	34	74	10	3	10105	124.46 80.90	10105	124.46 80.90
10	1.0	21.0	9.2	30	34	74	10	3	10110	124.46 80.90	10110	124.46 80.90
10	2.0	21.0	9.2	30	34	74	10	3	10120	124.46 80.90	10120	124.46 80.90
10	3.0	21.0	9.2	30	34	74	10	3	10130	124.46 80.90	10130	124.46 80.90
12	1.5	25.0	11.0	36	40	85	12	3	12115	176.19 114.52	12115	176.19 114.52
12	0.3	25.0	11.0	36	40	85	12	3	12103	176.19 114.52	12103	176.19 114.52
12	0.5	25.0	11.0	36	40	85	12	3	12105	176.19 114.52	12105	176.19 114.52
12	1.0	25.0	11.0	36	40	85	12	3	12110	176.19 114.52	12110	176.19 114.52
12	2.0	25.0	11.0	36	40	85	12	3	12120	176.19 114.52	12120	176.19 114.52
12	3.0	25.0	11.0	36	40	85	12	3	12130	176.19 114.52	12130	176.19 114.52
12	4.0	25.0	11.0	36	40	85	12	3	12140	176.19 114.52	12140	176.19 114.52
16	1.5	33.0	15.0	48	52	100	16	3			16115	291.09 182.70
16	0.3	33.0	15.0	48	52	100	16	3			16103	291.09 182.70
16	0.5	33.0	15.0	48	52	100	16	3			16105	291.09 182.70
16	1.0	33.0	15.0	48	52	100	16	3			16110	291.09 182.70
16	2.0	33.0	15.0	48	52	100	16	3			16120	291.09 182.70
16	3.0	33.0	15.0	48	52	100	16	3			16130	291.09 182.70
16	4.0	33.0	15.0	48	52	100	16	3			16140	291.09 182.70
20	2.0	42.0	19.0	60	64	114	20	3			20120	434.90 282.68
20	0.5	42.0	19.0	60	64	114	20	3			20105	434.90 282.68
20	1.0	42.0	19.0	60	64	114	20	3			20110	434.90 282.68
20	1.5	42.0	19.0	60	64	114	20	3			20115	434.90 282.68
20	3.0	42.0	19.0	60	64	114	20	3			20130	434.90 282.68
20	4.0	42.0	19.0	60	64	114	20	3			20140	434.90 282.68



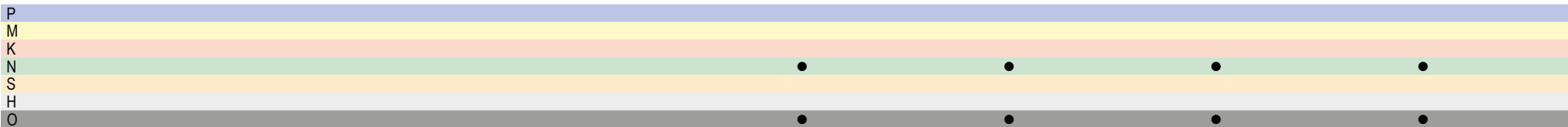
AluLine – NC deburring cutter

▲ Point angle α = 90°



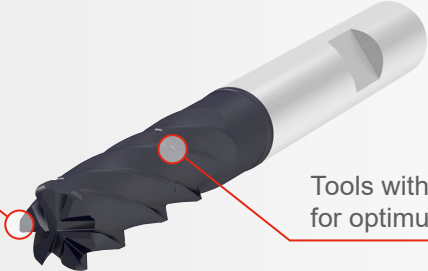
WNT \ Performance

DC _{h6}	OAL	LPR	DCONMS _{h6}	ZEFP
mm	mm	mm	mm	
4	50	22	4	4
6	55	19	6	4
8	58	22	8	4
10	60	20	10	4
12	70	25	12	4
16	80	32	16	4



CircularLine

Universal tool with 5 or 6 flutes for smooth operation and high material removal rate



Tools with chip breakers for optimum chip removal





DRAGONSKIN

CircularLine – End milling cutter with corner radius

- ▲ Chip breaker 0.9 x DC
- ▲ Cutting depth: 5 x DC

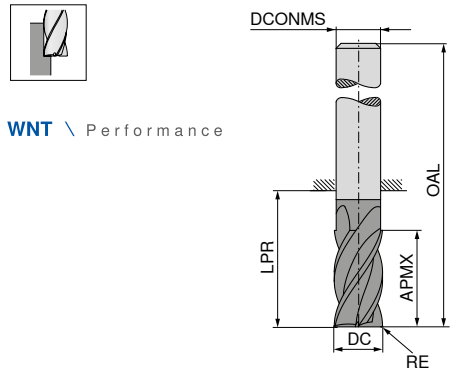
CCR
UNI

$\lambda_s = 35^\circ$
 $\gamma_s = 36^\circ$
 $\gamma_s = 9^\circ$



HPC





WNT \ Performance

DPX72S

DRAGONSKIN



Factory standard



DC _{e8}	RE _{±0.05}	APMX	LPR	OAL	DCONMS _{h6}	ZEFP	53 593 ...	PG V1/5B
mm	mm	mm	mm	mm	mm		£	£
6	0.2	31	39	75	6	5	06402	106.14 68.99
6	1.0	31	39	75	6	5	06410	106.14 68.99
6	1.5	31	39	75	6	5	06415	106.14 68.99
8	0.2	41	49	85	8	5	08402	122.36 79.54
8	1.0	41	49	85	8	5	08410	122.36 79.54
8	1.5	41	49	85	8	5	08415	122.36 79.54
8	2.0	41	49	85	8	5	08420	122.36 79.54
10	0.2	51	60	100	10	5	10402	168.04 109.81
10	1.0	51	60	100	10	5	10410	168.04 109.81
10	1.5	51	60	100	10	5	10415	168.04 109.81
10	1.6	51	60	100	10	5	10416	168.04 109.81
10	2.0	51	60	100	10	5	10420	168.04 109.81
12	0.2	61	70	115	12	5	12402	209.41 136.12
12	1.0	61	70	115	12	5	12410	209.41 136.12
12	1.5	61	70	115	12	5	12415	209.41 136.12
12	1.6	61	70	115	12	5	12416	209.41 136.12
12	2.0	61	70	115	12	5	12420	209.41 136.12
12	3.0	61	70	115	12	5	12430	209.41 136.12
14	0.2	71	81	126	14	5	14402	209.41 136.12
14	1.0	71	81	126	14	5	14410	430.15 279.60
14	1.5	71	81	126	14	5	14415	430.15 279.60
14	1.6	71	81	126	14	5	14416	430.15 279.60
14	2.0	71	81	126	14	5	14420	430.15 279.60
14	3.0	71	81	126	14	5	14430	430.15 279.60
16	0.2	81	92	140	16	5	16402	425.56 276.61
16	1.0	81	92	140	16	5	16410	425.56 276.61
16	1.5	81	92	140	16	5	16415	425.56 276.61
16	1.6	81	92	140	16	5	16416	425.56 276.61
16	2.0	81	92	140	16	5	16420	425.56 276.61
16	3.0	81	92	140	16	5	16430	425.56 276.61
16	4.0	81	92	140	16	5	16440	425.56 276.61
18	0.2	91	102	150	18	5	18402	486.68 316.35
18	1.0	91	102	150	18	5	18410	486.68 316.35
18	1.5	91	102	150	18	5	18415	486.68 316.35
18	1.6	91	102	150	18	5	18416	486.68 316.35
18	2.0	91	102	150	18	5	18420	486.68 316.35
18	3.0	91	102	150	18	5	18430	486.68 316.35
18	4.0	91	102	150	18	5	18440	486.68 316.35
20	0.2	102	113	163	20	5	20402	587.66 381.98
20	1.0	102	113	163	20	5	20410	587.66 381.98
20	1.5	102	113	163	20	5	20415	587.66 381.98
20	1.6	102	113	163	20	5	20416	587.66 381.98
20	2.0	102	113	163	20	5	20420	587.66 381.98
20	3.0	102	113	163	20	5	20430	587.66 381.98
20	4.0	102	113	163	20	5	20440	587.66 381.98

P

M

K

N

S

H

O

●

○

●

○

CircularLine – End milling cutter with corner radius

- ▲ Chip breaker 0.9 x DC
- ▲ Cutting depth: 3 x DC

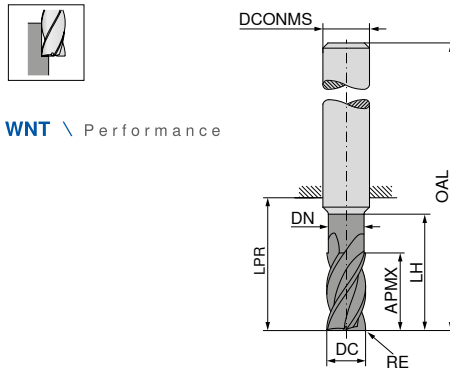
CCR
UNI

$\lambda_s = 30^\circ$
 $\gamma_s = 31^\circ$
 $\gamma_s = 8^\circ$



HPC





WNT \ Performance

UKS

DPX72S

DRAGONSKIN



Factory standard



DC _{e8}	RE _{±0.05}	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	ZEFP	53 642 ...	PG V1/5B
mm	mm	mm	mm	mm	mm	mm	mm		£	£
6	0.2	19	5.8	25	27	63	6	6	06202	70.07 45.55
6	1.0	19	5.8	25	27	63	6	6	06210	71.56 46.51
6	1.5	19	5.8	25	27	63	6	6	06215	71.56 46.51
8	0.2	25	7.7	33	35	71	8	6	08202	90.04 59.11
8	1.0	25	7.7	33	35	71	8	6	08210	93.04 61.06
8	1.5	25	7.7	33	35	71	8	6	08215	93.04 61.06
8	2.0	25	7.7	33	35	71	8	6	08220	93.04 61.06
10	0.2	31	9.7	41	43	83	10	6	10202	108.21 83.33
10	1.0	31	9.7	41	43	83	10	6	10210	131.18 85.26
10	1.5	31	9.7	41	43	83	10	6	10215	131.18 85.26
10	1.6	31	9.7	41	43	83	10	6	10216	131.18 85.26
10	2.0	31	9.7	41	43	83	10	6	10220	131.18 85.26
12	0.2	37	11.6	47	49	94	12	6	12202	150.57 97.87
12	1.0	37	11.6	47	49	94	12	6	12210	155.04 100.78
12	1.5	37	11.6	47	49	94	12	6	12215	155.04 100.78
12	1.6	37	11.6	47	49	94	12	6	12216	155.04 100.78
12	2.0	37	11.6	47	49	94	12	6	12220	155.04 100.78
12	3.0	37	11.6	47	49	94	12	6	12230	155.04 100.78
16	0.2	49	15.5	61	63	111	16	6	16202	311.59 202.54
16	1.0	49	15.5	61	63	111	16	6	16210	314.56 204.47
16	1.5	49	15.5	61	63	111	16	6	16215	314.56 204.47
16	1.6	49	15.5	61	63	111	16	6	16216	314.56 204.47
16	2.0	49	15.5	61	63	111	16	6	16220	314.56 204.47
16	3.0	49	15.5	61	63	111	16	6	16230	314.56 204.47
16	4.0	49	15.5	61	63	111	16	6	16240	314.56 204.47
20	0.2	61	19.5	75	77	127	20	6	20202	436.04 283.94
20	1.0	61	19.5	75	77	127	20	6	20210	441.26 286.82
20	1.5	61	19.5	75	77	127	20	6	20215	441.26 286.82
20	1.6	61	19.5	75	77	127	20	6	20216	441.26 286.82
20	2.0	61	19.5	75	77	127	20	6	20220	441.26 286.82
20	3.0	61	19.5	75	77	127	20	6	20230	441.26 286.82
20	4.0	61	19.5	75	77	127	20	6	20240	441.26 286.82

P

M

K

N

S

H

O

●

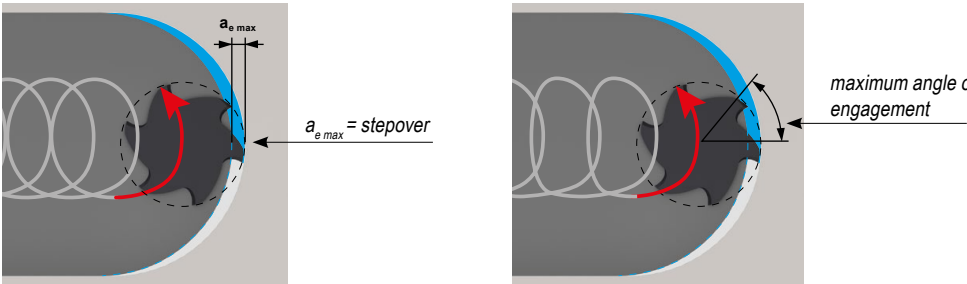
○

●

○

Trochoidal milling

When programming the various CAM systems different information is required.



Features & benefits of trochoidal milling

- ▲ reduced tool wear
- ▲ higher material removal rate than HPC machining possible
- ▲ spindle and machine-friendly
- ▲ suitable for low-power machines
- ▲ suitable for thin-walled components and unstable workpiece clamping

Calculation of the average chip thickness

$$h_m \approx f_z \sqrt{\frac{a_e}{DC}}$$

$$f_z \approx h_m \sqrt{\frac{DC}{a_e}}$$

- $a_{e \max}$ = maximum lateral infeed (depending on the material to be machined)
- f_z = maximum feed per tooth
- h_m = average chip thickness
- DC = tool diameter



Customer Service Centre
Freephone: 0800 073 2 073
Email: info.uk@ceratizit.com

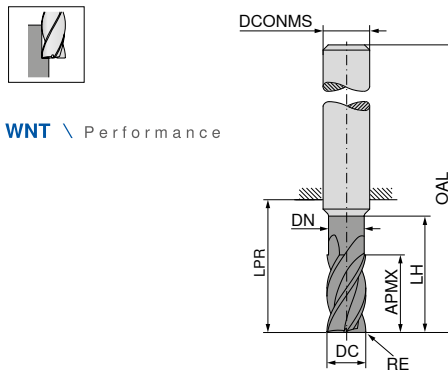
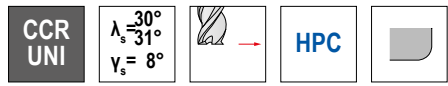


Ordering via the Online Shop
<http://cuttingtools.ceratizit.com>



CircularLine – End milling cutter with corner radius

▲ Chip breaker 0.9 x DC
▲ Cutting depth: 2 x DC



WNT \ Performance



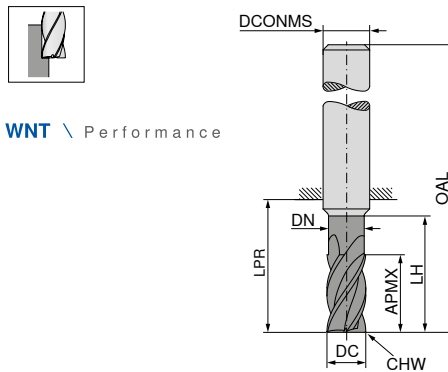
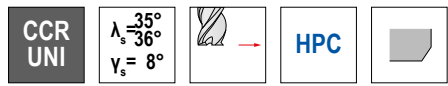
Factory standard

DC _{e8}	OAL	RE _{±0.05}	APMX	DN	LH	LPR	DCONMS _{h6}	ZEFP
6	57	1.0	13	5.8	19	21	6	6
6	57	0.2	13	5.8	19	21	6	6
6	57	1.5	13	5.8	19	21	6	6
8	63	1.5	21	7.7	25	27	8	6
8	63	0.2	21	7.7	25	27	8	6
8	63	1.0	21	7.7	25	27	8	6
8	63	2.0	21	7.7	25	27	8	6
10	72	1.5	22	9.7	30	32	10	6
10	72	0.2	22	9.7	30	32	10	6
10	72	1.0	22	9.7	30	32	10	6
10	72	1.6	22	9.7	30	32	10	6
10	72	2.0	22	9.7	30	32	10	6
12	83	1.5	26	11.6	36	38	12	6
12	83	0.2	26	11.6	36	38	12	6
12	83	1.0	26	11.6	36	38	12	6
12	83	1.6	26	11.6	36	38	12	6
12	83	2.0	26	11.6	36	38	12	6
12	83	3.0	26	11.6	36	38	12	6
16	92	4.0	36	15.5	42	44	16	6
16	92	0.2	36	15.5	42	44	16	6
16	92	1.0	36	15.5	42	44	16	6
16	92	1.5	36	15.5	42	44	16	6
16	92	1.6	36	15.5	42	44	16	6
16	92	2.0	36	15.5	42	44	16	6
16	92	3.0	36	15.5	42	44	16	6
20	104	1.6	41	19.5	52	54	20	6
20	104	0.2	41	19.5	52	54	20	6
20	104	1.0	41	19.5	52	54	20	6
20	104	1.5	41	19.5	52	54	20	6
20	104	2.0	41	19.5	52	54	20	6
20	104	3.0	41	19.5	52	54	20	6
20	104	4.0	41	19.5	52	54	20	6

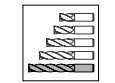
P	●
M	○
K	●
N	○
S	○
H	○
O	○

CircularLine – End milling cutter

▲ Chip breaker 0.9 x DC
▲ Cutting depth: 4 x DC



WNT \ Performance



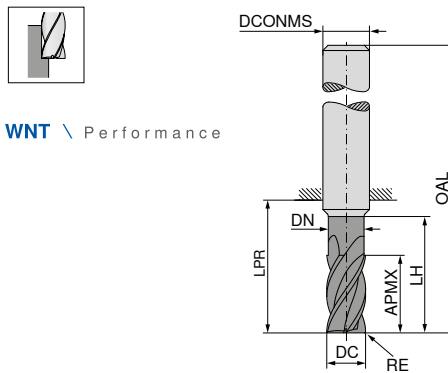
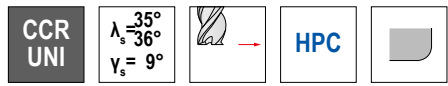
Factory standard

DC _{e8}	OAL	APMX	DN	LH	LPR	DCONMS _{h6}	CHW	ZEFP
6	67	25	5.8	29	31	6	0.2	5
8	76	33	7.7	38	40	8	0.2	5
10	89	41	9.7	47	49	10	0.2	5
12	102	49	11.6	55	57	12	0.2	5
16	123	65	15.5	73	75	16	0.2	5
20	143	82	19.5	91	93	20	0.2	5

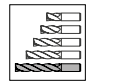
P	●
M	○
K	●
N	○
S	○
H	○
O	○

CircularLine – End milling cutter with corner radius

▲ Chip breaker 0.9 x DC
▲ Cutting depth: 4 x DC



WNT \ Performance



Factory standard

DC _{e8}	OAL	RE _{±0.05}	APMX	DN	LH	LPR	DCONMS _{h6}	ZEFP
6	67	1.5	25	5.8	29	31	6	5
6	67	1.0	25	5.8	29	31	6	5
6	67	0.2	25	5.8	29	31	6	5
8	76	1.5	33	7.7	38	40	8	5
8	76	1.0	33	7.7	38	40	8	5
8	76	2.0	33	7.7	38	40	8	5
8	76	0.2	33	7.7	38	40	8	5
10	89	1.5	41	9.7	47	49	10	5
10	89	1.0	41	9.7	47	49	10	5
10	89	1.6	41	9.7	47	49	10	5
10	89	2.0	41	9.7	47	49	10	5
10	89	0.2	41	9.7	47	49	10	5
12	102	1.0	49	11.6	55	57	12	5
12	102	1.5	49	11.6	55	57	12	5
12	102	1.6	49	11.6	55	57	12	5
12	102	2.0	49	11.6	55	57	12	5
12	102	3.0	49	11.6	55	57	12	5
12	102	0.2	49	11.6	55	57	12	5
16	123	1.6	65	15.5	73	75	16	5
16	123	1.0	65	15.5	73	75	16	5
16	123	1.5	65	15.5	73	75	16	5
16	123	2.0	65	15.5	73	75	16	5
16	123	3.0	65	15.5	73	75	16	5
16	123	4.0	65	15.5	73	75	16	5
16	123	0.2	65	15.5	73	75	16	5
20	143	2.0	82	19.5	91	93	20	5
20	143	1.0	82	19.5	91	93	20	5
20	143	1.5	82	19.5	91	93	20	5
20	143	1.6	82	19.5	91	93	20	5
20	143	3.0	82	19.5	91	93	20	5
20	143	4.0	82	19.5	91	93	20	5
20	143	0.2	82	19.5	91	93	20	5

P	●
M	○
K	●
N	○
S	○
H	○
O	○



Technical support: 0800 073 2 075

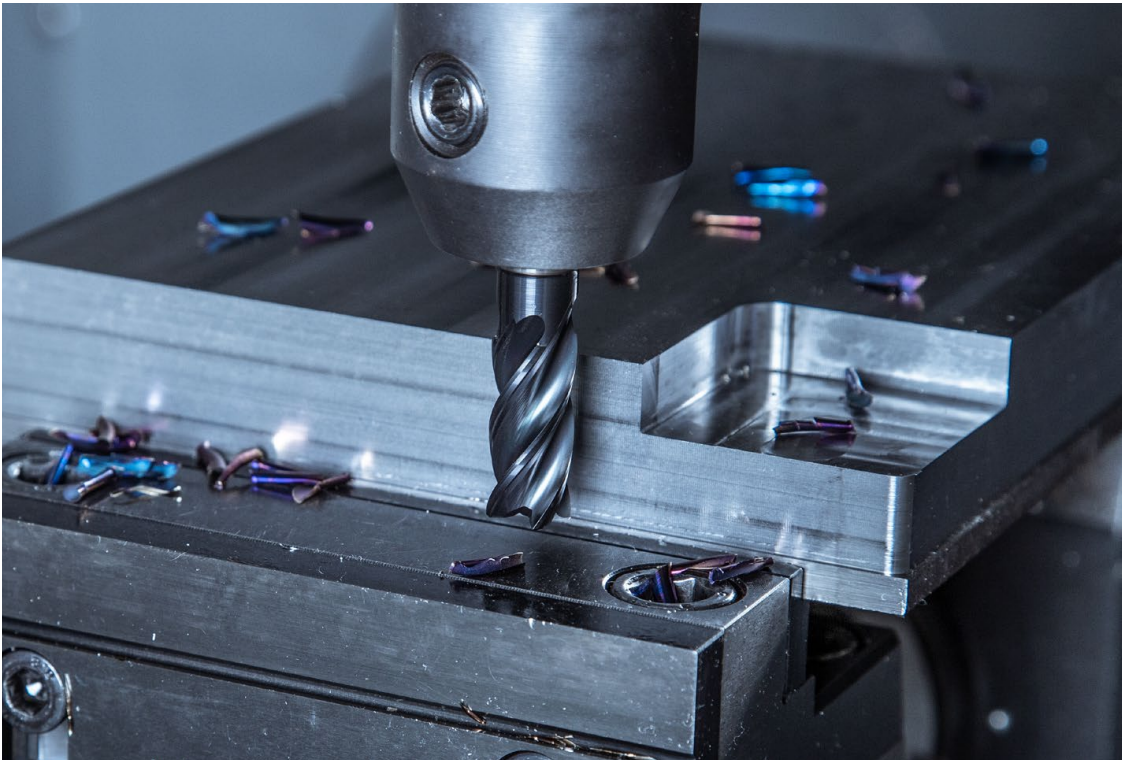
3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



Order by 6:00 pm and get your
guaranteed free express delivery



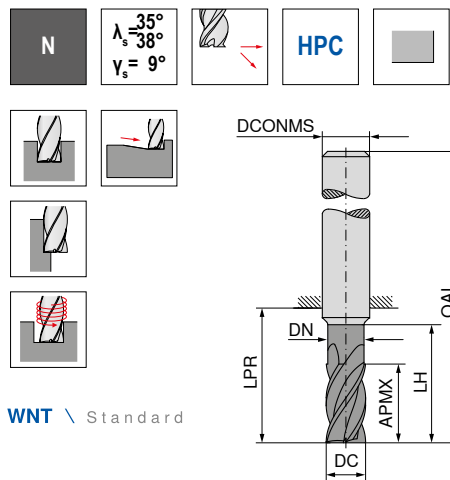
When you see this logo it's
in stock in Sheffield



TI 1000
STANDARD
LINE



End milling cutter



DC _{h10}	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	ZEFP
3	5			14	50	6	4
3	8	2.8	13	21	57	6	4
3	8	2.8	15	22	69	6	4
4	8			18	54	6	4
4	11	3.8	17	21	57	6	4
4	11	3.8	20	26	69	6	4
5	9			18	54	6	4
5	13	4.8	19	21	57	6	4
5	13	4.8	25	34	69	6	4
6	10			18	54	6	4
6	13	5.8	19	21	57	6	4
6	13	5.8	30	34	69	6	4
8	12			22	58	8	4
8	19	7.7	25	27	63	8	4
8	17	7.7	40	44	79	8	4
10	14			26	66	10	4
10	22	9.7	30	32	72	10	4
10	21	9.7	50	54	93	10	4
12	16			28	73	12	4
12	26	11.6	36	38	83	12	4
12	25	11.6	60	64	108	12	4
16	22			34	82	16	4
16	32	15.5	42	44	92	16	4
16	33	15.5	80	84	132	16	4
20	26			42	92	20	4
20	38	19.5	52	54	104	20	4
20	42	19.5	100	104	154	20	4

P	●	●	●
M	●	●	○
K	●	●	●
N	○	○	○
S	○	○	○
H	○	○	○
O	○	○	○

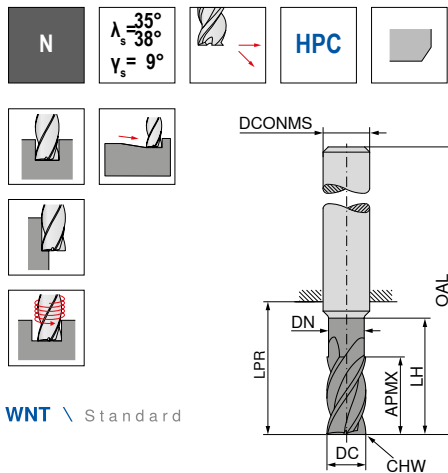
UKS	UKS	UKS
Ti1000	Ti1000	Ti1000
≈DIN 6527	≈DIN 6527	≈DIN 6527
54 070 ... PG V3/5C	54 070 ... PG V3/5C	54 070 ... PG V3/5C
£	£	£
03100	03200	03400
04100	04200	04400
05100	05200	05400
06100	06200	06400
08100	08200	08400
10100	10200	10400
12100	12200	12400
16100	16200	16400
20100	20200	20400

DRAGONSKIN

by CERATIZIT

For more information
cuttingtools/en/dragonskin

End milling cutter



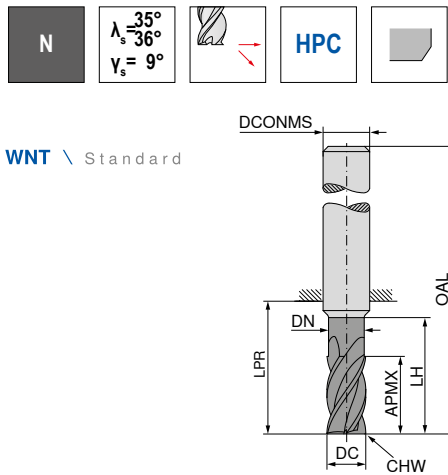
DC _{h10} mm	APMX mm	DN mm	LH mm	LPR mm	OAL mm	DCONMS _{h6} mm	CHW mm	ZEFP
3	5			14	50	6	0.1	4
3	8	2.8	13	21	57	6	0.1	4
3	8	2.8	15	22	69	6	0.1	4
4	8			18	54	6	0.1	4
4	11	3.8	17	21	57	6	0.1	4
4	11	3.8	20	26	69	6	0.1	4
5	9			18	54	6	0.1	4
5	13	4.8	19	21	57	6	0.1	4
5	13	4.8	25	34	69	6	0.1	4
6	10			18	54	6	0.1	4
6	13	5.8	19	21	57	6	0.1	4
6	13	5.8	30	34	69	6	0.1	4
8	12			22	58	8	0.2	4
8	21	7.7	25	27	63	8	0.2	4
8	17	7.7	40	44	79	8	0.2	4
10	14			26	66	10	0.2	4
10	22	9.7	30	32	72	10	0.2	4
10	21	9.7	50	54	93	10	0.2	4
12	16			28	73	12	0.3	4
12	26	11.6	36	38	83	12	0.3	4
12	25	11.6	60	64	108	12	0.3	4
16	22			34	82	16	0.3	4
16	36	15.5	42	44	92	16	0.3	4
16	33	15.5	80	84	132	16	0.3	4
20	26			42	92	20	0.3	4
20	41	19.5	52	54	104	20	0.3	4
20	42	19.5	100	104	154	20	0.3	4

P	●	●	●
M	●	●	○
K	●	●	●
N	○	○	○
S	○	○	○
H			
O			

	UKS	UKS	UKS
	Ti1000	Ti1000	Ti1000
	≈DIN 6527	≈DIN 6527	≈DIN 6527
54 071 ...	PG V3/5C	PG V3/5C	PG V3/5C
03100	£ 15.74	£ 15.74	£ 23.08
04100	£ 15.74	£ 15.74	£ 23.08
05100	£ 15.74	£ 15.74	£ 26.23
06100	£ 15.74	£ 19.93	£ 30.42
08100	£ 23.08	£ 25.18	£ 37.76
10100	£ 30.42	£ 33.57	£ 52.45
12100	£ 44.06	£ 52.45	£ 65.04
16100	£ 76.58	£ 81.82	£ 122.73
20100	£ 115.39	£ 123.78	£ 167.84

End milling cutter

▲ Cutting depth: 3 x DC



DC _{h8} mm	APMX mm	DN mm	LH mm	LPR mm	OAL mm	DCONMS _{h6} mm	CHW mm	ZEFP
6	19	5.8	24	26	62	6	0.1	4
8	25	7.7	30	32	68	8	0.2	4
10	31	9.7	38	40	80	10	0.2	4
12	37	11.6	46	48	93	12	0.2	4
16	49	15.5	58	60	108	16	0.3	4
20	61	19.5	74	76	126	20	0.3	4

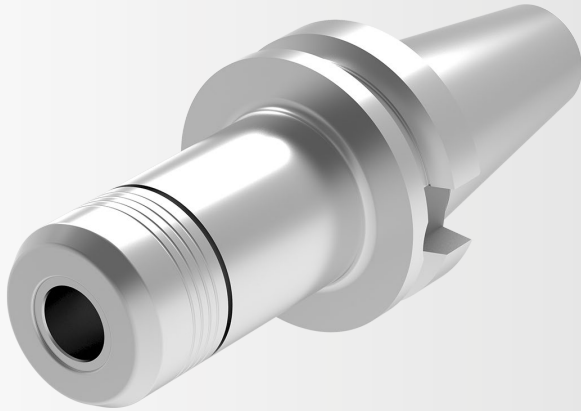
P	●
M	●
K	●
N	○
S	○
H	
O	



54 078 ...	PG V3/5C
06200	£ 33.57
08200	£ 44.06
10200	£ 57.70
12200	£ 92.31
16200	£ 142.66
20200	£ 215.05



Get the most out of your solid carbide tools by using Centro-P
→ see page 81



Technical support: 0800 073 2 075
3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com

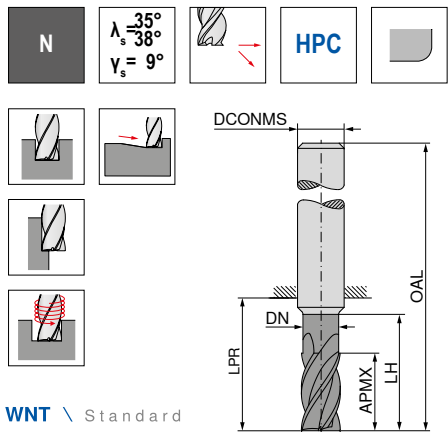


Order by 6:00 pm and get your
guaranteed free express delivery



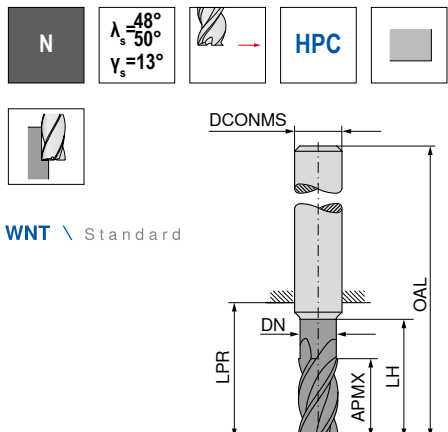
When you see this logo it's
in stock in Sheffield

End milling cutter with corner radius



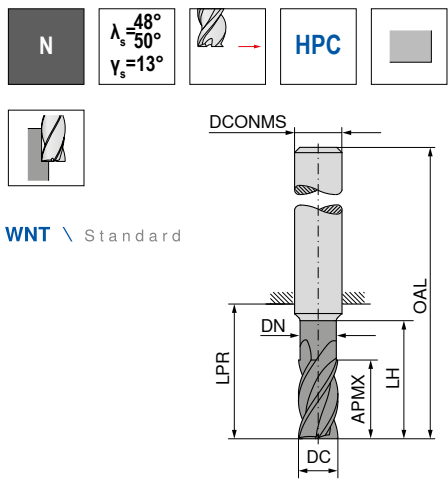
DC _{h10}	RE	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	ZEFP	54 072 ...	PG V3/5C	
mm	±0.05 mm	mm	mm	mm	mm	mm	mm		£	£	
3	0.1	8	2.8	13	21	57	6	4	03201	24.56	20.98
3	0.3	8	2.8	13	21	57	6	4	03203	24.56	20.98
3	0.5	8	2.8	13	21	57	6	4	03205	24.56	20.98
3	1.0	8	2.8	13	21	57	6	4	03210	24.56	20.98
3	0.5	8	2.8	15	22	69	6	4			
3	0.3	8	2.8	15	22	69	6	4			
3	1.0	8	2.8	15	22	69	6	4			
4	0.1	11	3.8	17	21	57	6	4	04201	24.56	20.98
4	0.3	11	3.8	17	21	57	6	4	04203	24.56	20.98
4	0.5	11	3.8	17	21	57	6	4	04205	24.56	20.98
4	1.0	11	3.8	17	21	57	6	4	04210	24.56	20.98
4	0.5	11	3.8	20	26	69	6	4			
4	0.3	11	3.8	20	26	69	6	4			
4	1.0	11	3.8	20	26	69	6	4			
5	0.5	13	4.8	19	21	57	6	4	05205	24.56	20.98
5	0.1	13	4.8	19	21	57	6	4	05201	24.56	20.98
5	0.3	13	4.8	19	21	57	6	4	05203	24.56	20.98
5	1.0	13	4.8	19	21	57	6	4	05210	24.56	20.98
5	0.5	13	4.8	25	34	69	6	4			
5	0.3	13	4.8	25	34	69	6	4			
5	1.0	13	4.8	25	34	69	6	4			
6	0.3	13	5.8	19	21	57	6	4	06203	24.41	23.08
6	0.1	13	5.8	19	21	57	6	4	06201	24.41	23.08
6	0.5	13	5.8	19	21	57	6	4	06205	24.41	23.08
6	1.0	13	5.8	19	21	57	6	4	06210	24.41	23.08
6	1.5	13	5.8	19	21	57	6	4	06215	24.41	23.08
6	2.0	13	5.8	19	21	57	6	4	06220	24.41	23.08
6	0.3	13	5.8	30	34	69	6	4			
6	0.5	13	5.8	30	34	69	6	4			
6	1.5	13	5.8	30	34	69	6	4			
6	2.0	13	5.8	30	34	69	6	4			
8	0.1	21	7.7	25	27	63	8	4	08201	31.72	31.47
8	0.3	21	7.7	25	27	63	8	4	08203	31.72	31.47
8	0.5	21	7.7	25	27	63	8	4	08205	31.72	31.47
8	1.0	21	7.7	25	27	63	8	4	08210	31.72	31.47
8	1.5	21	7.7	25	27	63	8	4	08215	31.72	31.47
8	2.0	21	7.7	25	27	63	8	4	08220	31.72	31.47
8	1.0	17	7.7	40	44	79	8	4			
8	0.3	17	7.7	40	44	79	8	4			
8	0.5	17	7.7	40	44	79	8	4			
8	1.5	17	7.7	40	44	79	8	4			
8	2.0	17	7.7	40	44	79	8	4			
10	1.0	22	9.7	30	32	72	10	4	10210	40.60	39.86
10	0.1	22	9.7	30	32	72	10	4	10201	40.60	39.86
10	0.3	22	9.7	30	32	72	10	4	10203	40.60	39.86
10	0.5	22	9.7	30	32	72	10	4	10205	40.60	39.86
10	1.5	22	9.7	30	32	72	10	4	10215	40.60	39.86
10	2.0	22	9.7	30	32	72	10	4	10220	40.60	39.86
10	1.0	21	9.7	50	54	93	10	4			
10	0.3	21	9.7	50	54	93	10	4			
10	0.5	21	9.7	50	54	93	10	4			
10	1.5	21	9.7	50	54	93	10	4			
10	2.0	21	9.7	50	54	93	10	4			
12	0.5	26	11.6	36	38	83	12	4	12205	62.46	61.89
12	0.1	26	11.6	36	38	83	12	4	12201	62.46	61.89
12	0.3	26	11.6	36	38	83	12	4	12203	62.46	61.89
12	1.0	26	11.6	36	38	83	12	4	12210	62.46	61.89
12	1.5	26	11.6	36	38	83	12	4	12215	62.46	61.89
12	2.0	26	11.6	36	38	83	12	4	12220	62.46	61.89
12	3.0	26	11.6	36	38	83	12	4	12230	62.46	61.89
12	1.5	25	11.6	60	64	108	12	4			
12	0.3	25	11.6	60	64	108	12	4			
12	0.5	25	11.6	60	64	108	12	4			
12	1.0	25	11.6	60	64	108	12	4			
12	2.0	25	11.6	60	64	108	12	4			
12	3.0	25	11.6	60	64	108	12	4			
16	0.3	36	15.5	42	44	92	16	4	16203	95.45	94.41
16	0.1	36	15.5	42	44	92	16	4	16201	95.45	94.41
16	0.5	36	15.5	42	44	92	16	4	16205	95.45	94.41
16	1.0	36	15.5	42	44	92	16	4	16210	95.45	94.41
16	1.5	36	15.5	42	44	92	16	4	16215	95.45	94.41
16	2.0	36	15.5	42	44	92	16	4	16220	95.45	94.41
16	3.0	36	15.5	42	44	92	16	4	16230	95.45	94.41
16	4.0	36	15.5	42	44	92	16	4	16240	95.45	94.41
16	1.5	33	15.5	80	84	132	16	4			
16	0.3	33	15.5	80	84	132	16	4			
16	0.5	33	15.5	80	84	132	16	4			
16	1.0	33	15.5	80	84	132	16	4			
16	2.0	33	15.5	80	84	132	16	4			
16	3.0	33	15.5	80	84	132	16	4			
16	4.0	33	15.5	80	84	132	16	4			
20	0.1	41	19.5	52	54	104	20	4	20201	137.02	136.37
20	0.3	41	19.5	52	54	104	20	4	20203	137.02	136.37
20	0.5	41	19.5	52	54	104	20	4	20205	137.02	136.37
20	1.0	41	19.5	52	54	104	20	4	20210	137.02	136.37
20	1.5	41	19.5	52	54	104	20	4	20215	137.02	136.37
20	2.0	41	19.5	52	54	104	20	4	20220	137.02	136.37
20	3.0	41	19.5	52	54	104	20	4	20230	137.02	136.37
20	4.0	41	19.5	52	54	104	20	4	20240	137.02	136.37
20	4.0	42	19.5	100	104	154	20	4			
20	0.3	42	19.5	100	104	154	20	4			
20	0.5	42	19.5	100	104	154	20	4			
20	1.0	42	19.5	100	104	154	20	4			
20	1.5	42	19.5	100	104	154	20	4			
20	2.0	42	19.5	100	104	154	20	4			
20	3.0	42	19.5	100	104	154	20	4			
P									●	●	
M									●	○	
K									●	●	
N									○		
S									○		
H											
O											

Finish milling cutter



DC _{h10}	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	ZEFP	54 076 ...	PG V3/5C	
mm	mm	mm	mm	mm	mm	mm		£	£	
6	13	5.6	19	21	57	6	6	06200	24.41	23.08
8	19	7.6	25	27	63	8	6	08200	31.72	31.47
10	22	9.6	30	32	72	10	6	10200	41.87	40.91
12	26	11.5	36	38	83	12	6	12200	67.24	67.14
16	32	15.0	42	44	92	16	6	16200	102.76	101.75
20	38	19.0	52	54	104	20	6	20200	156.05	155.25
P								●	●	
M								●	●	
K								○	○	
N								○	○	
S								○	○	
H										
O										

Finish milling cutter



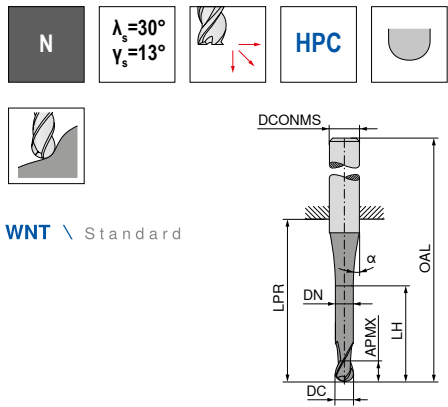
DC _{h10}	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	ZEFP	54 076 ...	PG V3/5C	
mm	mm	mm	mm	mm	mm	mm		£	£	
6	15	5.6	42	44	80	6	6	06400	38.06	37.76
8	20	7.6	62	64	100	8	6	08400	48.24	47.21
10	25	9.6	58	60	100	10	6	10400	65.07	65.04
12	30	11.5	73	75	120	12	6	12400	84.40	80.77
16	40	15.0	100	102	150	16	6	16400	154.78	154.20
20	50	19.0	98	100	150	20	6	20400	241.87	210.85
P								●	●	
M								●	●	
K								○	○	
N								○	○	
S								○	○	
H										
O										



CERATIZ

Ball Nosed Cutter

▲ Radius accuracy: ± 0,01 mm



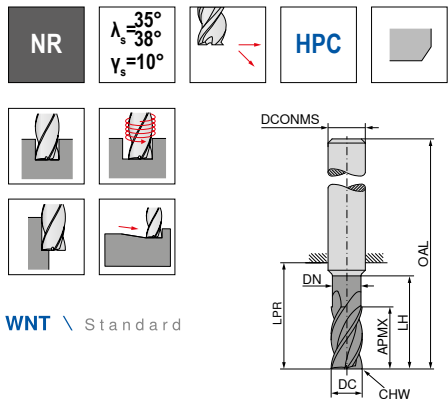
WNT \ Standard

DC _{h10} mm	APMX mm	DN mm	LH mm	LPR mm	OAL mm	DCONMS _{h6} mm	α°	ZEFP
3	5	2.9	9	14	50	6	15	2
4	8	3.9	12	18	54	6	45	2
5	9	4.9	15	18	54	6	45	2
6	10	5.9	17	18	54	6	45	2
8	12	7.8	20	22	58	8	45	2
10	14	9.8	26	26	66	10	45	2
12	16	11.8	28	28	73	12	45	2
16	22	15.7	32	34	82	16	45	2
20	26	19.7	40	42	92	20	45	2

P	●
M	○
K	●
N	●
S	○
H	
O	

Rough milling cutter

▲ With roughing profile

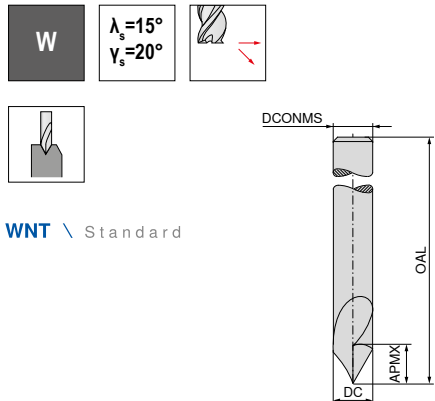


WNT \ Standard

DC _{h6} mm	APMX mm	DN mm	LH mm	LPR mm	OAL mm	DCONMS _{h6} mm	CHW mm	ZEFP
4	11	3.8	17	21	57	6	0.1	4
5	13	4.8	19	21	57	6	0.1	4
6	13	5.8	19	21	57	6	0.1	4
8	21	7.7	25	27	63	8	0.2	4
10	22	9.7	30	32	72	10	0.2	4
12	26	11.6	36	38	83	12	0.3	4
16	36	15.5	42	44	92	16	0.3	4
20	41	19.5	52	54	104	20	0.3	4

P	●
M	●
K	●
N	○
S	○
H	
O	

Engraving cutter 60°



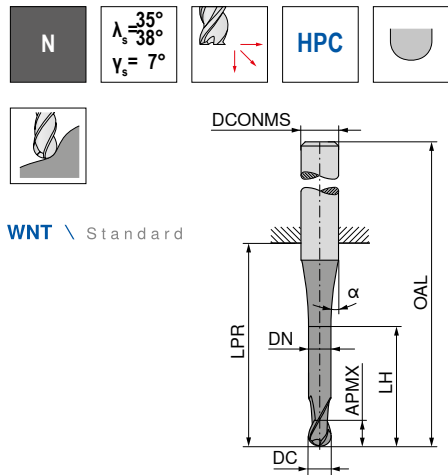
WNT \ Standard

DC _{h6} mm	APMX mm	OAL mm	DCONMS _{h6} mm	ZEFP
3	15	50	3	1
4	18	50	4	1
6	20	54	6	1

P	○
M	○
K	○
N	●
S	○
H	
O	●

Ball Nosed Cutter

▲ Radius accuracy: ± 0,01 mm

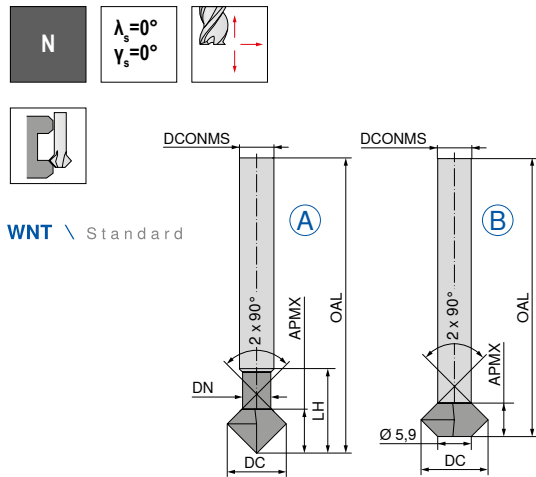


WNT \ Standard

DC _{h10} mm	APMX mm	DN mm	LH mm	LPR mm	OAL mm	DCONMS _{h6} mm	α°	ZEFP
3	8			21	57	6	30	4
3	8	2.9	15	21	57	6	45	4
4	11			21	57	6	30	4
4	11	3.9	16	21	57	6	45	4
5	13			21	57	6	30	4
5	13	4.9	19	21	57	6	45	4
6	13			21	57	6	30	4
6	13	5.9	19	21	57	6	45	4
8	19			36	72	8	30	4
8	19	7.8	25	27	72	8	45	4
10	22			32	72	10	30	4
10	22	9.7	30	32	72	10	45	4
12	26			38	83	12	30	4
12	26	11.7	36	38	83	12	45	4
16	32			44	92	16	30	4
16	32	15.5	42	44	92	16	45	4
20	38			54	104	20	30	4
20	38	19.5	52	54	104	20	30	4

P	●
M	●
K	●
N	○
S	
H	
O	

NC front and rear chamfer milling cutter



WNT \ Standard

DC mm	APMX mm	DN mm	LH mm	OAL mm	DCONMS _{h6} mm	ZEFP	Fig.
3	2.0	2.2	12.0	75	4	4	A
4	2.7	2.9	17.7	75	4	4	A
5	3.0	3.9	18.0	75	5	4	A
6	4.0	3.9	19.0	100	6	4	A
8	2.0			100	6	4	B
10	4.0			100	6	4	B
12	6.0			100	6	4	B

P	●
M	○
K	●
N	○
S	○
H	○
O	●



Technical support: 0800 073 2 075
3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



Order by 6:00 pm and get your
guaranteed free express delivery



When you see this logo it's
in stock in Sheffield

MILLING TOOLS WITH INDEXABLE INSERTS

SYSTEM



MaxiMill 491 – first choice indexable shoulder milling system with 8 edges.



MaxiMill C 211-11 – first choice indexable end milling system.



MaxiMill A 271-12 – first choice indexable face milling system also with high feed geometry option.



MaxiMill A HFC – first choice indexable high feed milling system.



MaxiMill 252 – New generation heavy duty button milling system.



MaxiMill 251 – first choice indexable button milling system.



WPS – first choice indexable chamfer milling cutter.

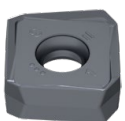


MaxiMill Slot-SX – New side and face milling cutters deliver maximum process security and optimum performance thanks to thro' coolant.

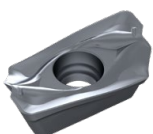


MaxiMill 242 – first choice chamfer milling system.

GRADES



CTPM240 – first choice for stainless steel and other corrosion resistant materials.



CTPP235 – first choice for steels with or without coolant.



CTWN215 – first choice for aluminium and other non ferrous materials.

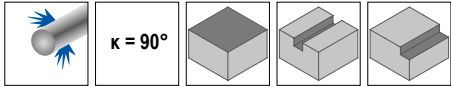


CTC5240 – first choice for titanium and heat resistant super alloys.

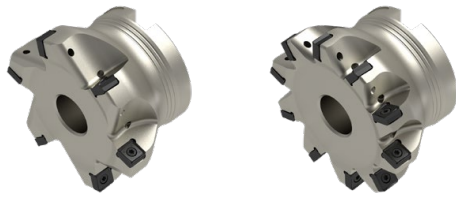
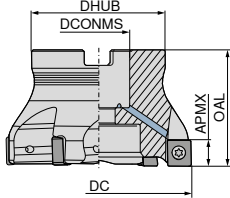


M1 – first choice chipbreaker for parting off.

MaxiMill – 491-09 Shell mill



CERATIZIT \ Performance

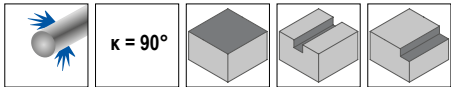


Designation	DC mm	OAL mm	DHUB mm	DCONMS _{H6} mm	APMX mm	Insert	ZNF
A491.40.R.03-09	40	40	38	16	6	SNHU 09T3	3
A491.40.R.05-09	40	40	38	16	6	SNHU 09T3	5
A491.50.R.04-09	50	40	43	22	6	SNHU 09T3	4
A491.50.R.06-09	50	40	43	22	6	SNHU 09T3	6
A491.63.R.05-09	63	40	48	22	6	SNHU 09T3	5
A491.63.R.08-09	63	40	48	22	6	SNHU 09T3	8
A491.80.R.06-09	80	50	58	27	6	SNHU 09T3	6
A491.80.R.10-09	80	50	58	27	6	SNHU 09T3	10

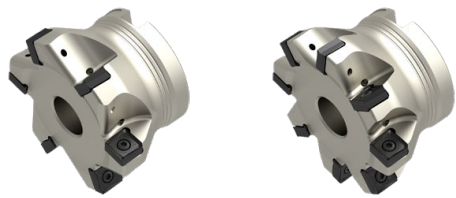
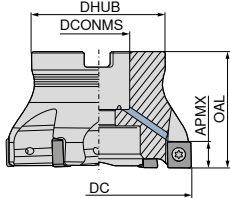
50 775 ...	PG 2B/40
£	£
240	469.74 58.74
250	520.61 65.04
263	622.10 77.63
280	660.37 81.82

50 776 ...	PG 2B/40
£	£
240	546.04 68.19
250	596.79 74.48
263	736.40 91.26
280	842.69 100.70

MaxiMill – 491-12 Shell mill



CERATIZIT \ Performance



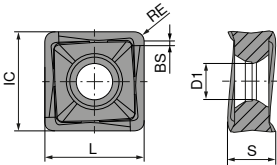
Designation	DC mm	OAL mm	DHUB mm	DCONMS _{H6} mm	APMX mm	RPMX 1/min.	torque moment Nm	Insert	ZNF
A491.50.R.04-12	50	40	43	22	8	9800	3.2	SNHU 1204	4
A491.50.R.05-12	50	40	43	22	8	9800	3.2	SNHU 1204	5
A491.63.R.05-12	63	40	48	22	8	8500	3.2	SNHU 1204	5
A491.63.R.06-12	63	40	48	22	8	8500	3.2	SNHU 1204	6
A491.80.R.06-12	80	50	58	27	8	7400	3.2	SNHU 1204	6
A491.80.R.08-12	80	50	58	27	8	7400	3.2	SNHU 1204	8
A491.100.R.07-12	100	50	78	32	8	6500	3.2	SNHU 1204	7
A491.100.R.10-12	100	50	78	32	8	6500	3.2	SNHU 1204	10

50 775 ...	PG 2B/40
£	£
050	520.61 77.63
063	622.10 93.36
080	660.37 98.61
100	837.99 125.88

50 776 ...	PG 2B/40
£	£
050	558.74 83.92
063	660.37 98.61
080	761.85 114.34
100	952.45 142.66

SNHU

Designation	IC mm	L mm	S mm	D1 mm
SNHU 09T3..	9.15	9.15	3.70	3.85
SNHU 1204..	12.20	12.20	5.00	4.40



SNHU

CERATIZIT \ Performance

-M50

CTPM240

DRAGONSKIN

SNHU

-M50

CTPP235

DRAGONSKIN

SNHU

-F10

CTWN215

SNHU

-F40

CTC5240

DRAGONSKIN

SNHU

ISO	RE mm
09T308ER	0.8
09T308FR	0.8
09T308SR	0.8
09T312FR	1.2
09T312SR	1.2
09T316FR	1.6
09T316SR	1.6

51 120 ...	PG 1B/61
£	£
408	26.58 19.94
41200	26.58 19.94
41600	26.58 19.94

51 120 ...	PG 1B/61
£	£
108	26.58 19.94
11200	26.58 19.94
11600	26.58 19.94

51 118 ...	PG 1B/61
£	£
358	26.58 19.94
36200	26.58 19.94
36600	26.58 19.94

51 126 ...	PG 1H/17
£	£
15800	23.25 24.95

SNHU

CERATIZIT \ Performance

-M50

CTPM240

DRAGONSKIN

SNHU

-M50

CTPP235

DRAGONSKIN

SNHU

-F10

CTWN215

SNHU

-F40

CTC5240

DRAGONSKIN

SNHU

ISO	RE mm
120408ER	0.8
120408FR	0.8
120408SR	0.8
120412FR	1.2
120412SR	1.2
120416FR	1.6
120416SR	1.6
120420FR	2.0
120420SR	2.0

51 100 ...	PG 1B/61
£	£
408	32.47 24.35

51 100 ...	PG 1B/61
£	£
108	32.47 24.35
112	32.47 24.35
116	32.47 24.35
120	32.47 24.35

51 101 ...	PG 1B/61
£	£
358	32.47 24.35
362	32.47 24.35
366	32.47 24.35
370	32.47 24.35

51 128 ...	PG 1H/17
£	£
15800	29.02 29.95



Technical support: 0800 073 2 075

3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



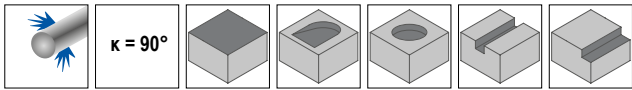
Order by 6:00 pm and get your
guaranteed free express delivery



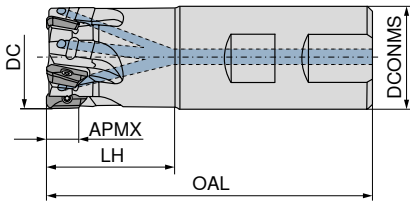
When you see this logo it's
in stock in Sheffield

MaxiMill – 211-11 End milling cutter

▲ Insert radius >1,6 mm: Modify cutter body



CERATIZIT \ Performance

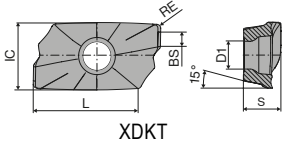


ISO designation	DC mm	OAL mm	LH mm	DCONMS _{h6} mm	APMX mm	RPMX 1/min.	Insert	ZNF
C211.16.R.02-11-A-25	16	75	25	16	10	42000	XD.T 11T3	2
C211.16.R.02-11-B-25	16	75	25	16	10	42000	XD.T 11T3	2
C211.16.R.02-11-A15-32-165	16	165	32	15	10	14800	XD.T 11T3	2
C211.16.R.02-11-A-32-165	16	165	32	16	10	14800	XD.T 11T3	2
C211.20.R.03-11-A-25	20	77	25	20	10	36900	XD.T 11T3	3
C211.20.R.03-11-B-25	20	77	25	20	10	36900	XD.T 11T3	3
C211.20.R.02-11-A-25	20	77	25	20	10	36900	XD.T 11T3	2
C211.20.R.03-11-A-32-165	20	165	32	20	10	15800	XD.T 11T3	3
C211.20.R.02-11-A19-40-200	20	200	40	19	10	10500	XD.T 11T3	2
C211.20.R.02-11-A-40-200	20	200	40	20	10	10500	XD.T 11T3	2
C211.25.R.03-11-A-32	25	90	32	25	10	33200	XD.T 11T3	3
C211.25.R.04-11-B-32	25	90	32	25	10	33200	XD.T 11T3	4
C211.25.R.04-11-A-32	25	90	32	25	10	33200	XD.T 11T3	4
C211.25.R.04-11-A-40-165	25	165	40	25	10	19900	XD.T 11T3	4
C211.25.R.03-11-A-50-225	25	225	50	25	10	9400	XD.T 11T3	3
C211.25.R.03-11-A24-50-225	25	225	50	24	10	9400	XD.T 11T3	3
C211.25.R.02-11-A-50-225	25	225	50	25	10	9400	XD.T 11T3	2
C211.32.R.04-11-A-40	32	102	40	32	10	30200	XD.T 11T3	4
C211.32.R.05-11-B-40	32	102	40	32	10	30200	XD.T 11T3	5
C211.32.R.05-11-A-40	32	102	40	32	10	30200	XD.T 11T3	5
C211.32.R.04-11-A25-40	32	102	40	25	10	30200	XD.T 11T3	4
C211.32.R.05-11-A-50-165	32	165	50	32	10	20900	XD.T 11T3	5
C211.32.R.04-11-A-64-250	32	250	64	32	10	8500	XD.T 11T3	4

50 737 ...	PG 2B/40	50 737 ...	PG 2B/40
116	£ 34.62	016	£ 34.62
316	£ 34.62		
216	£ 34.62		
120	£ 38.81	020	£ 38.81
12002	£ 38.81		
320	£ 38.81		
620	£ 36.72		
420	£ 36.72		
625	£ 40.91	025	£ 44.06
125	£ 44.06		
325	£ 44.06		
425	£ 40.91		
825	£ 40.91		
02502	£ 39.86		
13204	£ 48.25	032	£ 48.25
132	£ 48.25		
53204	£ 48.25		
332	£ 48.25		
432	£ 46.16		

XDKT

Designation	IC mm	D1 mm	L mm	BS mm	S mm
XDKT 11T302..	6.8	2.8	10.6	2	3.80
XDKT 11T304..	6.8	2.8	10.6	1.8	3.80
XDKT 11T308..	6.8	2.8	10.6	1.4	3.80
XDKT 11T312..	6.8	2.8	10.6	1.4	3.80
XDKT 11T316..	6.8	2.8	10.6	1.4	3.80
XDKT 11T320..	6.8	2.8	10.6	1.4	3.80
XDKT 11T325..	6.8	2.8	10.6	1.4	3.80
XDKT 11T332..	6.8	2.8	10.6	1.4	3.80
XDKT 11T332..	6.8	2.8	10.6	0.8	3.80
XDKT 11T340..	6.8	2.8	10.6	-	3.80



XDKT

CERATIZIT \ Performance

UKS		UKS		UKS		UKS	
-F20 CTWN215		-F40 CTC5240 DRAGONSKIN		-M50 CTPP235 DRAGONSKIN		-M50 CTPM240 DRAGONSKIN	
XDKT		XDKT		XDKT		XDKT	
478 ... PG 1A/90		50 463 ... PG 1H/17		51 037 ... PG 1B/61		51 037 ... PG 1B/61	
£ £		£ £		£ £		£ £	
21.39 16.04		21.00 18.62		17.03 12.77		17.03 12.77	
21.39 16.04		504 21.00 18.62		104 17.03 12.77		404 17.03 12.77	
21.39 16.04		500 21.00 18.62		108 17.03 12.77		408 17.03 12.77	
21.39 16.04		512 21.00 18.62		112 17.03 12.77		412 17.03 12.77	
21.39 16.04		516 21.00 18.62		120¹⁾ 17.03 12.77		420¹⁾ 17.03 12.77	
¹⁾ 21.39 16.04		520¹⁾ 21.00 18.62		125¹⁾ 17.03 12.77		432¹⁾ 17.03 12.77	
¹⁾ 21.39 16.04		525¹⁾ 21.00 18.62					
		532¹⁾ 21.00 18.62					
		540¹⁾ 21.00 18.62					

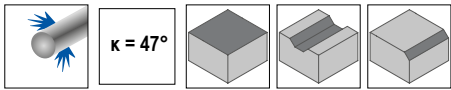
P	●	○
M	○	●
K	○	○
N	●	
S		●
H		
O	○	

1) Insert radius >1.6 mm: Modify cutter body

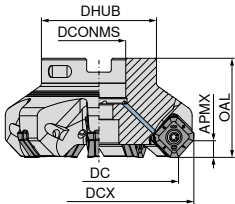


MaxiMill – 271-12 Face mill

▲ 8 cutting edges per insert



CERATIZIT \ Performance

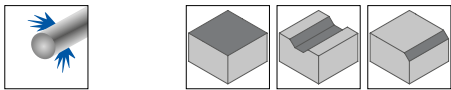


ISO designation	DC mm	DCX mm	ZNF	APMX mm	OAL mm	DHUB mm	DCONMS _{H6} mm	RPMX 1/min.	torque moment Nm	Insert
A271.40.R.04-12	40	53	4	6.8	40	38	16	17900	3,2	SOHU 1204.. / XOHU 1204..
A271.50.R.05-12	50	63	5	6.8	40	43	22	15200	3,2	SOHU 1204.. / XOHU 1204..
A271.63.R.07-12	63	76	7	6.8	40	48	22	13100	3,2	SOHU 1204.. / XOHU 1204..
A271.80.R.06-12	80	93	6	6.8	50	58	27	11300	3,2	SOHU 1204.. / XOHU 1204..
A271.80.R.08-12	80	93	8	6.8	50	58	27	11300	3,2	SOHU 1204.. / XOHU 1204..
A271.100.R.07-12	100	113	7	6.8	63	78	32	9900	3,2	SOHU 1204.. / XOHU 1204..
A271.100.R.10-12	100	113	10	6.8	63	78	32	9900	3,2	SOHU 1204.. / XOHU 1204..

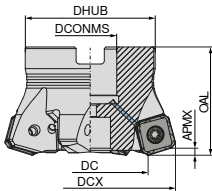
50 787 ...	PG 2B/40
£	£
04004	193.61 60.84
05005	505.95 62.94
06307	641.70 79.72
08008	740.41 92.31
10010	925.56 114.34

50 787 ...	PG 2B/40
£	£
08006	641.70 79.72
10007	844.39 100.70

MaxiMill – 271-12 HFC Face mill



CERATIZIT \ Performance

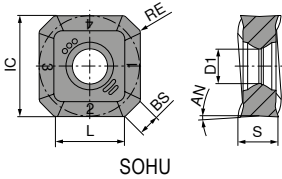


ISO designation	DC mm	ZNF	APMX mm	OAL mm	DHUB mm	DCONMS _{H6} mm	RPMX 1/min.	torque moment Nm	Insert
A271.50.R.04-12-HFC	30	4	2.6	40	43	22	14600	3,2	SOHU 1204..
A271.63.R.06-12-HFC	43	6	2.6	40	48	22	12500	3,2	SOHU 1204..
A271.80.R.07-12-HFC	60	7	2.6	50	58	27	10800	3,2	SOHU 1204..

50 788 ...	PG 2B/40
£	£
05004	505.95 62.94
06306	641.70 79.72
08007	740.41 92.31

SOHU

Designation	IC mm	D1 mm	L mm	BS mm	S mm
SOHU 1204AB..	13.36	4.4	8.8	1.7	5.00



SOHU

CERATIZIT \ Performance

UKS	UKS	UKS
-F50 CTC5240	-M50 CTPP235	-M50 CTPM240
DRAGONSKIN	DRAGONSKIN	DRAGONSKIN
SOHU	SOHU	SOHU
51 140 ...	51 138 ...	51 138 ...
PG 1H/17	PG 1B/61	PG 1B/61
£	£	£
17000	12000	42000
38.39 32.63	34.23 23.42	34.23 23.42

P	●	○
M	○	○
K	○	●
N	○	○
S	●	○
H	○	○
O	○	○

Complex Components. Precision Metal Cutting.

We understand the requirements of the market. Those who wish to get ahead of the competition need to be able to machine complex components with precision. We supply you with the right high-quality tools together with a machining strategy from a single source.

www.just-our-thing.uk

JUST
OUR
THING

THE Cutting Tool Solution



Technical support: 0800 073 2 075
3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com

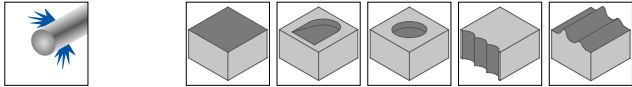


Order by 6:00 pm and get your
guaranteed free express delivery



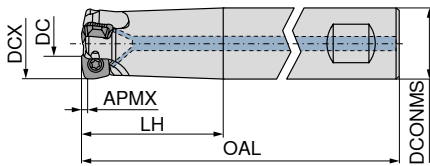
When you see this logo it's
in stock in Sheffield

MaxiMill – HFC high-feed end mill



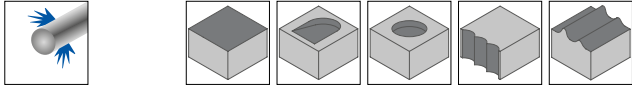
CERATIZIT \ Performance

ISO designation	DC	OAL	LH	DCONMS _{h6}	APMX	RPMX	Insert	ZNF
	mm	mm	mm	mm	mm	1/min.		
CHFC.16.R.02-06-A-40-200	7.0	200	40	16	0.8	4600	XPLX 0603..	2
CHFC.16.R.02-06-B-40	7.0	89	40	16	0.8	17300	XPLX 0603..	2
CHFC.20.R.03-06-A-50-225	11.0	225	50	20	0.8	4200	XPLX 0603..	3
CHFC.20.R.03-06-B-50	11.0	101	50	20	0.8	14500	XPLX 0603..	3
CHFC.25.R.02-09-A-50-225	12.3	225	50	25	1.0	9000	XDLX 09T3..	2
CHFC.25.R.03-09-A-50-225	12.3	225	50	25	1.0	9000	XDLX 09T3..	3
CHFC.32.R.02-12-A-63-250	14.8	250	63	32	2.0	6480	XOLX 1204..	2
CHFC.25.R.04-06-A-50-225	16.0	225	50	25	0.8	4600	XPLX 0603..	4
CHFC.25.R.04-06-B-50	16.0	107	50	25	0.8	15600	XPLX 0603..	4
CHFC.35.R.03-12-A-63-250	17.8	250	63	32	2.0	6480	XOLX 1204..	3
CHFC.32.R.03-09-A-63-250	19.3	250	63	32	1.0	8100	XDLX 09T3..	3
CHFC.32.R.05-06-A-25-60-225	23.0	225	60	25	0.8	3900	XPLX 0603..	5
CHFC.32.R.05-06-B-25-60	23.0	117	60	25	0.8	11000	XPLX 0603..	5



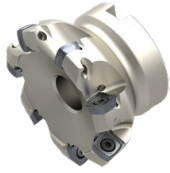
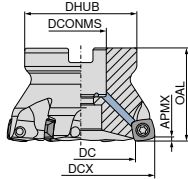
	50 681 ...	PG 2B/40		50 681 ...	PG 2B/40
	£	£		£	£
716	279.14	36.72	616	279.14	36.72
720	316.04	40.91	620	316.04	40.91
025	331.23	41.96			
125	358.81	44.06			
132	350.50	43.01			
725	354.60	46.16	625	354.60	46.16
035	374.80	46.16			
032	374.80	46.16			
732	392.46	51.40	632	392.46	51.40

MaxiMill – HFC high-feed face mill



CERATIZIT \ Performance

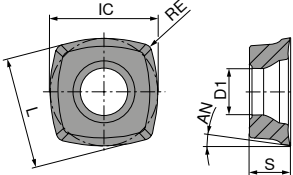
ISO designation	DC	OAL	DCONMS _{h6}	DHUB	APMX	RPMX	Insert	ZNF
	mm	mm	mm	mm	mm	1/min.		
AHFC.32.R.03-09	19.3	40	16	38	1	27700	XDLX 09T3..	3
AHFC.35.R.04-09	19.3	40	16	38	1	26700	XDLX 09T3..	4
AHFC.40.R.04-09	27.3	40	16	38	1	26400	XDLX 09T3..	4
AHFC.42.R.05-09	29.3	40	16	38	1	26100	XDLX 09T3..	5
AHFC.50.R.05-09	37.3	40	22	43	1	23500	XDLX 09T3..	5
AHFC.52.R.06-09	39.3	40	22	43	1	23000	XDLX 09T3..	6
AHFC.63.R.06-09	50.3	40	22	48	1	20500	XDLX 09T3..	6
AHFC.66.R.07-09	53.3	40	22	48	1	20000	XDLX 09T3..	7
AHFC.40.R.03-12	22.8	40	16	38	2	21120	XOLX 1204..	3
AHFC.42.R.04-12	24.8	40	16	38	2	20880	XOLX 1204..	4
AHFC.50.R.04-12	32.8	40	22	43	2	18800	XOLX 1204..	4
AHFC.52.R.05-12	34.8	40	22	43	2	18400	XOLX 1204..	5
AHFC.63.R.05-12	45.8	40	22	48	2	16400	XOLX 1204..	5
AHFC.66.R.06-12	48.8	40	22	48	2	16000	XOLX 1204..	6



	50 683 ...	PG 2B/40
	£	£
032	374.80	46.16
035	399.27	49.30
140	416.61	51.40
142	439.04	54.55
150	488.08	60.84
152	513.45	63.99
163	562.25	69.23
16600	586.71	76.58
040	391.28	48.25
042	416.61	51.40
050	464.48	57.70
052	488.08	60.84
063	537.69	67.14
066	562.25	69.23

XPLX

CERATIZIT \ Performance



ISO	RE	IC	D1	L	AN	S
	mm	mm	mm	mm	°	mm
060305ER	0.5	6.35	2.8	6	11	2.75
060305SR	0.5	6.35	2.8	6	11	2.75



-F40
CTC5240
DRAGONSKIN



	50 518 ...	PG 1H/17
	£	£
558	18.23	15.49



-M50
CTPP235
DRAGONSKIN



	51 019 ...	PG 1B/61
	£	£
105	14.95	11.21



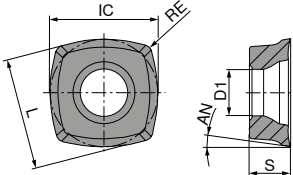
-M50
CTPM240
DRAGONSKIN



	51 019 ...	PG 1B/61
	£	£
405	14.05	11.21

XDLX

CERATIZIT \ Performance



ISO	RE	IC	D1	L	AN	S
	mm	mm	mm	mm	°	mm
09T308ER	0.8	9.52	4.4	9	15	3.97
09T308SR	0.8	9.52	4.4	9	15	3.97



-F40
CTC5240
DRAGONSKIN



	50 503 ...	PG 1H/17
	£	£
558	18.59	15.80



-M50
CTPP235
DRAGONSKIN



	51 016 ...	PG 1B/61
	£	£
108	15.40	11.55



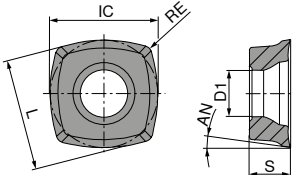
-M50
CTPM240
DRAGONSKIN



	51 016 ...	PG 1B/61
	£	£
408	15.40	11.55

XOHX / XOLX

CERATIZIT \ Performance



ISO	RE	IC	D1	L	AN	S
	mm	mm	mm	mm	°	mm
120410SR	1.0	12.7	5.5	12	10	4.76



-F50
CTC5240
DRAGONSKIN



	51 124 ...	PG 1H/17
	£	£
16000	28.28	24.04



-M50
CTPP235
DRAGONSKIN



	51 017 ...	PG 1B/61
	£	£
110	18.47	13.86



-M50
CTPM240
DRAGONSKIN

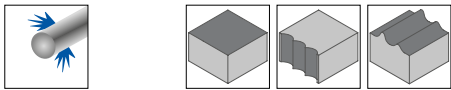


	51 017 ...	PG 1B/61
	£	£
410	18.47	13.86

P	●	○
M	○	●
K	○	○
N		
S	●	
H		
O		

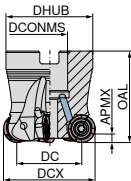


MaxiMill – 252 Shell mill



CERATIZIT \ Performance

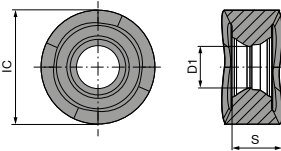
ISO designation	DC mm	DCX mm	ZNF	APMX mm	OAL mm	DHUB mm	DCONMS mm	torque moment Nm	Insert
A252.40.R.04-12	28	40	4	3	40	38	16	3,2	RNHU 1205..
A252.50.R.05-12	38	50	5	3	40	43	22	3,2	RNHU 1205..
A252.52.R.05-12	40	52	5	3	40	43	22	3,2	RNHU 1205..
A252.63.R.06-12	51	63	6	3	40	48	22	3,2	RNHU 1205..



50 689 ...	PG 28/40
£	£
240	455.68 68.19
250	553.47 82.87
252	554.56 82.87
263	683.35 102.80

RNHU

Designation	IC mm	D1 mm	S mm
RNHU 1205..	12	4.4	5.30



RNHU

CERATIZIT \ Performance

-M32
CTPM245

-M31
CTC5240

DRAGONSKIN

DRAGONSKIN



RNHU

RNHU

ISO	51 107 ...	PG 1H/17	50 521 ...	PG 1H/17
1205M4ER	£	£	£	£
	475	32.90 27.96	552	32.90 27.96
P				
M				
K				
N				
S				
H				
O				

UK LOGISTICS

WHEN YOU SEE THIS LOGO

IT'S IN STOCK IN SHEFFIELD



Technical support: 0800 073 2 075
3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com

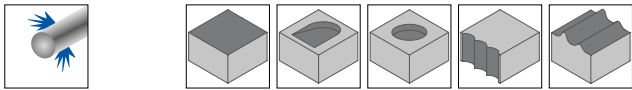


Order by 6:00 pm and get your
guaranteed free express delivery

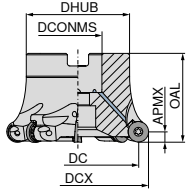


When you see this logo it's
in stock in Sheffield

MaxiMill – 251 RS Shell mill



CERATIZIT \ Performance

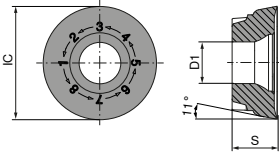


ISO designation	DCX mm	DC mm	OAL mm	APMX mm	DHUB mm	DCONMS _{H6} mm	RPMX 1/min.	Insert	ZNF
A251.40.R.05-10-RS	40	30	40	5	38	16	16000	RP.X 10T3..	5
A251.42.R.06-10-RS	42	32	40	5	38	16	16000	RP.X 10T3..	6
A251.50.R.06-10-RS	50	40	40	5	43	22	12500	RP.X 10T3..	6
A251.52.R.06-10-RS	52	42	40	5	43	22	12500	RP.X 10T3..	6
A251.40.R.04-12-RS	40	28	40	6	38	16	15900	RP.X 1204..	4
A251.50.R.05-12-RS	50	38	40	6	43	22	12500	RP.X 1204..	5
A251.52.R.05-12-RS	52	40	40	6	43	22	12500	RP.X 1204..	5
A251.63.R.06-12-RS	63	51	40	6	48	22	10000	RP.X 1204..	6
A251.66.R.07-12-RS	66	54	40	6	48	22	9000	RP.X 1204..	7
A251.80.R.07-12-RS	80	68	50	6	58	27	8000	RP.X 1204..	7

50 686 ...	PG 2B/40	
	£	£
140	430.75	53.50
142	495.05	61.89
150	542.25	63.99
152	542.25	63.99
340	396.23	49.30
050	400.88	59.79
052	504.39	66.09
063	593.75	73.43
166	625.97	81.82
080	669.89	82.87

RPHX / RPNX

Designation	IC mm	D1 mm	S mm
RP.X 10T3..	10	3.4	3.97
RP.X 1204..	12	4.4	4.76



RPHX / RPNX

CERATIZIT \ Performance



-M31
CTC5240
DRAGONSKIN



RPHX



-M50
CTPP235
DRAGONSKIN



RPNX



-F50
CTPP235
DRAGONSKIN



RPHX



-M50
CTPM240
DRAGONSKIN



RPHX

ISO	50 493 ...	PG 1H/17		51 054 ...	PG 1B/61		51 051 ...	PG 1B/61		51 050 ...	PG 1B/61	
		£	£		£	£		£	£		£	£
10T3M4EN	550 ¹⁾	49.62	16.68									
10T3M8EN	551	49.62	16.68									
10T3M8SN				12000	41.83	8.87	12000	45.53	11.64	420	45.53	11.64
1204M4EN	552 ¹⁾	24.64	18.37									
1204M6EN	56200	24.64	18.37									
1204M8EN	582	24.64	18.37									
1204M8SN				125	43.60	10.20	125	47.03	12.77	425	47.03	12.77
P				●			●			○		
M				○			○					
K				○			○					
N												
S												
H				●								
O												

1) Insert with 4 indexes

Technical Support.
When You Need it Most.

As engineers, we know our craft and have a thorough understanding of production processes. If you need us, we are on hand to help with extensive expertise.

www.just-our-thing.uk

JUST
OUR
THING

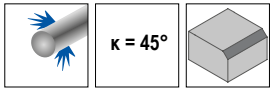


THE Cutting Tool Solution

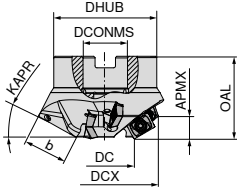


MaxiMill – 242 Chamfer Cutter

▲ Caution: Use only inserts with a corner radius of less than 1.6 mm
▲ ZEFP = number of inserts
▲ ZNP = tooth rows



CERATIZIT \ Performance



KAPR °	DC mm	DCX mm	ZNF	APMX mm	ZEFP	b ±0,3 mm	OAL mm	DCONMS mm	DHUB mm	ZNP	torque moment Nm	Insert
30	35	83.60	3	13.6	6	27.6	50	27	62.5	2	3,2	LD.. 15...
45	35	74.60	3	19.3	6	27.6	50	27	62.5	2	3,2	LD.. 15...
15	35	89.60	3	7.0	6	27.6	50	27	62.5	2	3,2	LD.. 15...
60	35	62.70	3	23.6	6	27.6	50	22	49.0	2	3,2	LD.. 15...
75	35	49.48	3	26.7	6	27.6	60	22	49.0	2	3,2	LD.. 15...

50 768 ...	PG 2B/40	
	£	£
13003	455.81	68.19
14503	455.81	68.19
11503	455.81	68.19
16003	455.81	68.19
17503 1)	455.81	68.19

1) Version with Powerscrew

LDFT

CERATIZIT \ Performance



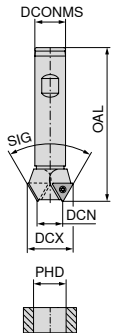
ISO designation	IC mm	D1 mm	L mm	BS mm	S mm	ISO	RE mm
LDFT 150408FR	9.52	4.4	15	1.2	4.76	150408FR	0.8

51 157 ...	PG 1A/90	
	£	£
00802	29.75	22.31

Indexable chamfer milling 90°

Scope of supply:
Indexable insert countersink including clamping screws

KOMET \ Performance

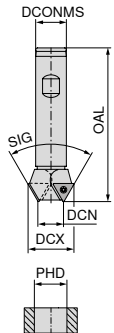


DCX mm	DCN mm	PHD mm	ZEFP	DCONMS mm	OAL mm	Insert	30 196 ...	PG U1/4D	
								£	£
19	7	9.5	2	16	100	TOHX 090204	19000	489.25	52.45
23	11	12.0	2	16	100	TOHX 090204	23000	496.88	52.45
26	11	12.0	1	16	100	TOHX 090204	26000	500.69	52.45
30	12	13.0	2	20	100	TOHX 140305	30000	523.53	52.45
34	16	17.0	2	20	100	TOHX 140305	34000	532.57	52.45
37	19	20.0	2	20	100	TOHX 140305	37000	532.57	52.45

Indexable chamfer milling 60°

Scope of supply:
Indexable insert countersink including clamping screws

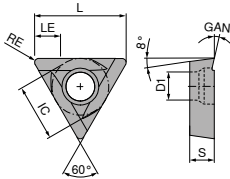
KOMET \ Performance



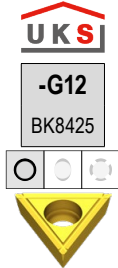
DCX mm	DCN mm	PHD mm	ZEFP	DCONMS mm	OAL mm	Insert	30 197 ...	PG U1/4D	
								£	£
16.5	8.1	8.5	1	16	100	TOHX 090204	16500	496.88	52.45
20.0	11.6	12.0	2	16	100	TOHX 090204	20000	500.69	52.45
22.0	13.6	14.0	2	16	100	TOHX 090204	22000	523.53	52.45
23.5	15.1	15.5	2	16	100	TOHX 090204	23500	532.57	52.45
25.5	17.1	17.5	2	16	100	TOHX 090204	25500	532.57	52.45

TOHX

KOMET \ Performance



ISO designation	L mm	S mm	D1 mm	IC mm	ISO	RE mm
TOHX 06T103EL	6.50	1.80	2.2	4.0	06T103EL	0.3
TOHX 090204EL	9.12	2.50	2.8	5.6	090204EL	0.4
TOHX 090204EN	9.12	2.50	2.8	5.6	090204EN	0.4
TOHX 140304EL	13.62	3.00	3.8	8.2	140304EL	0.4



P	●	●
M	●	●
K	●	●
N	○	○
S	●	●
H	○	○
O		



Technical support: 0800 073 2 075
3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



Order by 6:00 pm and get your
guaranteed free express delivery

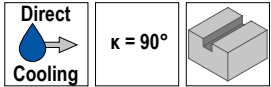


When you see this logo it's
in stock in Sheffield

MaxiMill – Slot-SX slot milling and parting off cutter

Scope of supply:

Slot milling and parting off cutters **without** assembly key, **without** clamping screws

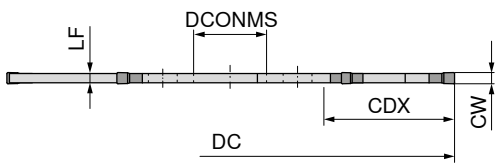


CERATIZIT \ Performance

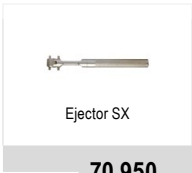
Designation	DC mm	CW mm	CDX mm	DCONMS _{H6} mm	DHUB mm	OAL mm	ZEFP	Insert	Adapter
ASLOT.80.R.6.13.DC-SX2	80	2	23	13	32	2.675	6	SX E2 ..	AD.SLOT.13...
ASLOT.80.R.6.13.DC-SX3	80	3	23	13		2.750	6	SX E3 ..	AD.SLOT.13...
ASLOT.80.R.4.13.DC-SX4	80	4	23	13		3.750	4	SX E4 ..	AD.SLOT.13...
ASLOT.80.R.4.13.DC-SX5	80	5	23	13		4.750	4	SX E5 ..	AD.SLOT.13...

Spare parts
for Article no.

50 383 08002
50 383 08003
50 383 08004
50 383 08005



50 383 ...	PG 2B/40
£	£
08002	614.07 76.58
08003	614.07 76.58
08004	614.07 76.58
08005	614.07 76.58

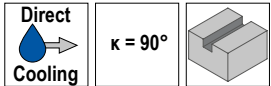


£	70 950 ...
26.23	836
26.23	836
26.23	837
26.23	837

MaxiMill – Slot-SX slot milling and parting off cutter

Scope of supply:

Slot milling and parting off cutters **without** assembly key, **without** clamping screws

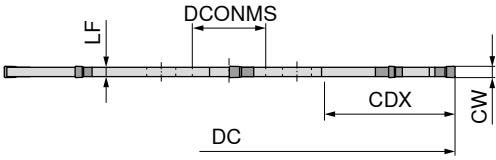


CERATIZIT \ Performance

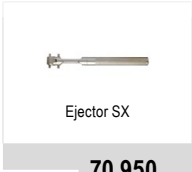
Designation	DC mm	CW mm	CDX mm	DCONMS _{H6} mm	DHUB mm	OAL mm	ZEFP	Insert	Adapter
ASLOT.100.R.8.22.DC-SX2	100	2	29	22	40	2.675	8	SX E2 ..	AD.SLOT.22...
ASLOT.100.R.8.22.DC-SX3	100	3	29	22		2.750	8	SX E3 ..	AD.SLOT.22...
ASLOT.100.R.6.22.DC-SX4	100	4	29	22		3.750	6	SX E4 ..	AD.SLOT.22...
ASLOT.100.R.6.22.DC-SX5	100	5	29	22		4.750	6	SX E5 ..	AD.SLOT.22...
ASLOT.100.R.4.22.DC-SX6	100	6	29	22		5.700	4	SX E6 ..	AD.SLOT.22...

Spare parts
for Article no.

50 384 10002
50 384 10003
50 384 10004
50 384 10005
50 384 10006



50 384 ...	PG 2B/40
£	£
10002	818.75 101.75
10003	818.75 101.75
10004	818.75 101.75
10005	818.75 101.75
10006	818.75 101.75

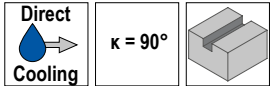


£	70 950 ...
26.23	836
26.23	836
26.23	837
26.23	837
26.23	837

MaxiMill – Slot-SX slot milling and parting off cutter

Scope of supply:

Slot milling and parting off cutters **without** assembly key, **without** clamping screws

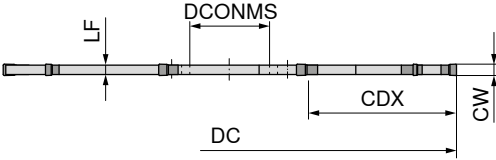


CERATIZIT \ Performance

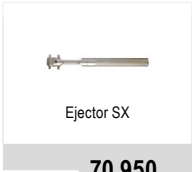
Designation	DC mm	CW mm	CDX mm	DCONMS _{H6} mm	DHUB mm	OAL mm	ZEFP	Insert	Adapter
ASLOT.125.R.10.22.DC-SX2	125	2	42	22	40	2.675	10	SX E2 ..	AD.SLOT.22...
ASLOT.125.R.10.22.DC-SX3	125	3	42	22		2.750	10	SX E3 ..	AD.SLOT.22...

Spare parts
for Article no.

50 385 12502
50 385 12503



50 385 ...	PG 2B/40
£	£
12502	1,023.47 126.93
12503	1,023.47 126.93



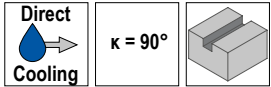
£	70 950 ...
26.23	836
26.23	836



MaxiMill – Slot-SX slot milling and parting off cutter

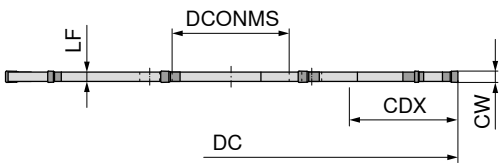
Scope of supply:

Slot milling and parting off cutters **without** assembly key, **without** clamping screws



CERATIZIT \ Performance

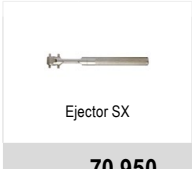
Designation	DC mm	CW mm	CDX mm	DCONMS _{H6} mm	DHUB mm	OAL mm	ZEFP	Insert	Adapter
ASLOT.125.R.10.32.DC-SX2	125	2	30	32	63	2.675	10	SX E2 ..	AD.SLOT.32...
ASLOT.125.R.10.32.DC-SX3	125	3	30	32		2.750	10	SX E3 ..	AD.SLOT.32...
ASLOT.125.R.8.32.DC-SX4	125	4	30	32		3.750	8	SX E4 ..	AD.SLOT.32...
ASLOT.125.R.8.32.DC-SX5	125	5	30	32		4.750	8	SX E5 ..	AD.SLOT.32...
ASLOT.125.R.8.32.DC-SX6	125	6	30	32		5.700	8	SX E6 ..	AD.SLOT.32...



50 386 ...	PG 2B/40
£	£
12502	1,023.47 126.93
12503	1,023.47 126.93
12504	1,023.47 126.93
12505	1,023.47 126.93
12506	1,023.47 126.93

Spare parts
for Article no.

50 386 12502	£	70 950 ...
50 386 12503	26.23	836
50 386 12504	26.23	836
50 386 12505	26.23	837
50 386 12506	26.23	837



MaxiMill – Slot-SX multipurpose milling cutter adapter

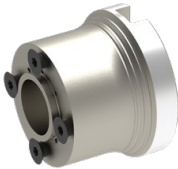
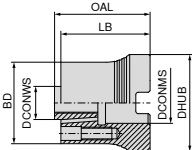
Scope of supply:

Multipurpose milling cutter adapter including screws



CERATIZIT \ Performance

Designation	DCONMS mm	DCONWS _{H6} mm	LB mm	OAL mm	BD mm
AD.SLOT.13.32.A16	16	13	35	37.5	32
AD.SLOT.22.40.A22	22	22	35	37.5	40
AD.SLOT.32.63.A27	27	32	45	47.5	63
AD.SLOT.40.80.A32.SK	32	40	55	57.5	80
AD.SLOT.40.80.A32.ZK	32	40	55	57.5	80



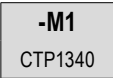
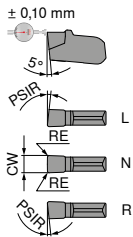
50 395 ...	PG 2E/45
£	£
01300	191.68 24.13
02200	196.75 24.13
03200	211.80 26.23
04000	272.12 33.57
04100	272.12 33.57

Insert SX

▲ Specially developed geometry with negative edge-chamfers available in right, left and neutral types



CERATIZIT \ Performance



Designation	IH	CW +/-0,05 mm	for tool holder
SX E2.00 N 0.20	N	2	-SX2
SX E3.00 N 0.20	N	3	-SX3
SX E4.00 N 0.30	N	4	-SX4
SX E5.00 N 0.30	N	5	-SX5
SX E6.00 N 0.40	N	6	-SX6

70 342 ...	PG 10/72
£	£
622	15.35 11.51
623	16.32 12.24
624	17.22 12.92
625	18.33 13.74
626	19.75 14.81

P	●
M	●
K	●
N	○
S	●
H	
O	○



Technical support: 0800 073 2 075

3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



Order by 6:00 pm and get your
guaranteed free express delivery



When you see this logo it's
in stock in Sheffield



CLAMPING TECHNOLOGY



Centro-P – highest performance and accuracy for all milling and drilling applications.



VDI – Full range



Standard Line – range of tools to support all standard applications.



BMT – Full range of BMT toolholding for lathe turrets



BT-FC – face and taper contact. For highest stability and process security in compatible machines.



HSK-T – Full range of HSK-T toolholding for multi-tasking lathes



CentriClamp ZSG4 – High performance, cost effective workholding solution.

ER Precision Collet chuck – Centro-P

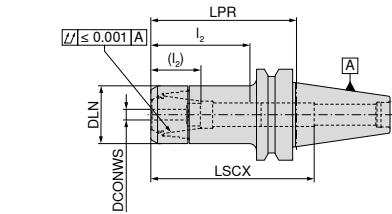
- ▲ for standard or sealed nuts
- ▲ maximum size collet to ISO tolerance field H10
- ▲ for clamping a roll key is required
- ▲ p_{max} = 80 bar
- ▲ also available with Balluff chip **on request**

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P

WNT \ Performance



G 2,5 n_{max} 25000

Adapter	DCONWS	LPR	DLN	LSCX	l ₂ (l ₂)	for collet	84 524 ...	PG	Y8
	mm	mm	mm	mm	mm		£		£
BT 40	1 - 10	75	30	90	38 - 53 (29 - 39)	426E (ER16)	210		186.04 61.89
BT 40	1 - 10	90	30	120	30 - 50 (29 - 36)	426E (ER16)	310		220.42 72.38
BT 40	1 - 10	120	30	140	29 - 45 (29 - 35)	426E (ER16)	410		260.14 99.66
BT 40	1 - 10	150	30	180	29 - 45 (29 - 32)	426E (ER16)	510		323.57 107.00
BT 40	2 - 16	60	40	92	44 - 64 (36 - 46)	430E (ER25)	116		211.05 70.28
BT 40	2 - 16	75	40	100	42 - 59 (36 - 41)	430E (ER25)	216		186.04 61.89
BT 40	2 - 16	90	40	91	42 - 59 (36 - 41)	430E (ER25)	316		220.42 72.38
BT 40	2 - 16	120	40	91	40 - 65 (36 - 47)	430E (ER25)	416		260.14 107.00
BT 40	2 - 16	150	40	100	40 - 64 (36 - 45)	430E (ER25)	516		323.57 114.34
BT 40	2 - 16	200	40	150	40 - 64 (36 - 45)	430E (ER25)	616		360.60 132.17
BT 40	2 - 20	60	50	55	45 - 64 (42 - 46)	470E (ER32)	120		211.05 70.28
BT 40	2 - 20	75	50	100	42 - 76 (42 - 52)	470E (ER32)	220		186.04 61.89
BT 40	2 - 20	90	50	100	42 - 76 (42 - 52)	470E (ER32)	320		220.42 72.38
BT 40	2 - 20	120	50	110	42 - 71 (42 - 53)	470E (ER32)	420		263.57 107.00
BT 40	2 - 20	150	50	110	42 - 71 (42 - 53)	470E (ER32)	520		347.03 114.34

- 1 LSCX = clamping depth without back stop screw for shanks
l₂ = with back stop screw 1, dimension in brackets () = with back stop screw 2
dimension LPR when using tightening nuts with seals 4 mm longer

Roll key

- ▲ Version CP = for Centro-P lock nuts
- ▲ Version STD = for standard lock nuts
- ▲ Version HDC = for HDC lock nuts

WNT \ Performance



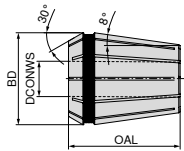
for lock nut	DLN	84 950 ...	PG	Y8
	mm	£		£
426E / ER 16 CP	30	027		145.89 48.25
430E / ER 25 CP	40	054		171.03 56.65
470E / ER 32 CP + STD	50	056		160.34 53.50

ER precision collet for precision collet chucks – Centro-P

- ▲ DIN ISO 15488-B (old DIN 6499-B)
- ▲ 12 times slotted
- ▲ Double taper collet
- ▲ Coloured ring as identification of precision collet
- ▲ ER08: 5 µm runout and repeatability
- ▲ Coated precision collet

ER-B
2 µm

WNT \ Performance



DCONWS	BD = 17 OAL = 27.5 426 E / ER16	BD = 26 OAL = 34 430 E / ER25	BD = 33 OAL = 40 470 E / ER32
	84 596 ...	84 597 ...	84 598 ...
	PG Y8	PG Y8	PG Y8
mm	£	£	£
1.0	010		
1.1	011		
1.2	012		
1.4	014		
1.5	015		
1.6	016		
1.8	018		
2.0	020		
2.2	022		
2.4	024		
2.5	025		
2.6	026		
2.8	028		
3.0	030		
3.2	032		
3.4	034		
3.5	035		
3.6	036		
3.8	038		
4.0	040		
4.5	045		
5.0	050		
5.5	055		
5.6	056		
6.0	060		
6.3	063		
6.5	065		
		020	020
		025	030
		035	040
		045	050
		055	060
		065	

ER Precision Collet chuck – Centro-P

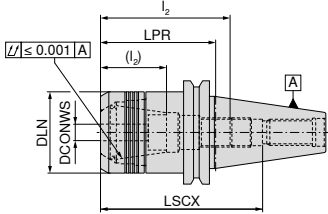
- ▲ for standard or sealed nuts
- ▲ maximum size collet to ISO tolerance field H10
- ▲ for clamping a roll key is required
- ▲ p_{max} = 80 bar
- ▲ also available with Balluff chip **on request**

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P

WNT \ Performance

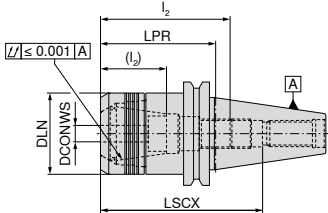


G 2,5 n_{max} 25000

Adapter	DCONWS	LPR	DLN	LSCX	l ₂ (l ₂)	for collet	84 414 ...	PG	Y8
	mm	mm	mm	mm	mm		£		£
SK 40	1 - 10	130	30	140	28 - 50 (14 - 34)	426E (ER16)	510		304.86 100.70
SK 40	1 - 10	160	30	200	28 - 45 (16 - 31)	426E (ER16)	910		336.47 111.19
SK 40	2 - 16	45	40	85	35 - 60 (20 - 42)	430E (ER25)	816		276.06 91.26
SK 40	2 - 16	130	40	140	38 - 67 (21 - 49)	430E (ER25)	516		331.33 109.10
SK 40	2 - 16	160	40	118	35 - 60 (20 - 42)	430E (ER25)	916		340.05 115.39
SK 40	2 - 20	130	50	114	50 - 74 (36 - 55)	470E (ER32)	620		331.33 109.10
SK 40	2 - 20	160	50	119	52 - 70 (32 - 52)	470E (ER32)	920		340.05 115.39
SK 50	2 - 20	100	50	150	53 - 81 (35 - 63)	470E (ER32)	520		567.05 187.77
SK 50	2 - 20	160	50	200	53 - 83 (35 - 65)	470E (ER32)	720		923.74 305.26

Centro-P

WNT \ Performance



G 2,5 n_{max} 25000

Adapter	DCONWS	LPR	DLN	LSCX	l ₂ (l ₂)	for collet	84 424 ...	PG	Y8
	mm	mm	mm	mm	mm		£		£
SK 40	1 - 10	70	30	110	28 - 45 (16 - 31)	426E (ER16)	102		244.02 73.82
SK 40	1 - 10	100	30	140	28 - 45 (16 - 31)	426E (ER16)	103		301.49 82.04
SK 40	2 - 16	70	40	110	35 - 60 (20 - 42)	430E (ER25)	162		226.23 73.82
SK 40	2 - 16	100	40	113	35 - 60 (20 - 42)	430E (ER25)	163		301.49 82.04
SK 40	2 - 20	50	50	85	52 - 70 (26 - 52)	470E (ER32)	201		207.62 77.92
SK 40	2 - 20	70	50	111	55 - 75 (42 - 62)	470E (ER32)	202		241.43 73.82
SK 40	2 - 20	100	50	114	52 - 70 (32 - 52)	470E (ER32)	203		301.49 82.04
SK 40	3 - 26	70	63	105	48 - 55	472E (ER40)	261 ¹⁾		330.04 98.42
SK 50	2 - 16	100	40	150	35 - 64 (20 - 48)	430E (ER25)	167		565.05 163.19

- 1) Non standard groove before tool change collar not according to DIN, not suitable for automatic tool change

- 1 Clamping range covered: H10 corresponding to shank Ø DCONWS



Technical support: 0800 073 2 075

3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



Order by 6:00 pm and get your
guaranteed free express delivery



When you see this logo it's
in stock in Sheffield

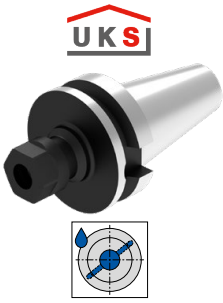
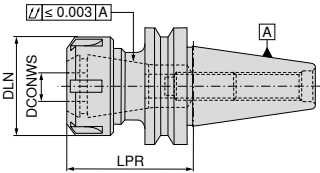
ER-Collet chuck

▲ also available with Balluff chip **on request**

Scope of supply:

Holder with lock nut and adjustable back stop

WNT \ Standard



AD/B
G 2,5 n_{max} 25000

82 743 ... PG Y8

Version	Adapter	DCONWS mm	LPR mm	DLN mm	TQX Nm	for collet			
short	BT 40	1 - 10	60	28	56	426E (ER16)	11069 ¹⁾	417.72	36.72
	BT 40	1 - 16	70	42	104	430E (ER25)	11669	423.05	38.81
	BT 40	2 - 20	70	50	136	470E (ER32)	12069	423.43	38.81
	BT 40	3 - 26	70	63	176	472E (ER40)	12669	420.34	40.91
medium length	BT 40	1 - 10	120	28	56	426E (ER16)	21069 ¹⁾	420.00	41.96
	BT 40	1 - 16	120	42	104	430E (ER25)	21669	434.44	41.96
	BT 40	2 - 20	120	50	136	470E (ER32)	22069	434.78	41.96

1) with 6 position lock nut

Shell mill adapter

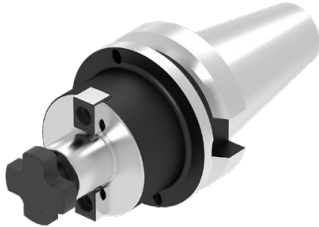
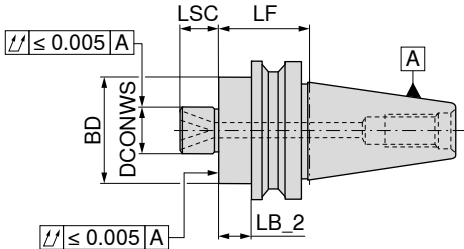
▲ With fixed drive dogs and enlarged contact face for milling cutters with transverse groove

▲ also available with Balluff chip **on request**

Scope of supply:

Toolholder with clamping screw

WNT \ Standard



NEW



AD/B
G 2,5 n_{max} 25000

82 745 ... PG Y8

Version	Adapter	DCONWS mm	LB_2 mm	LF mm	BD mm	LSC mm			
short	BT 40	16	25	52	38	17	11669	446.42	48.25
	BT 40	22	25	52	48	19	12269	433.23	52.45
	BT 40	27	25	52	58	21	12769	425.60	52.45
	BT 40	32	23	50	78	24	13269	432.34	55.60
	BT 40	40	23	50	88	27	14069 ¹⁾	443.06	60.84

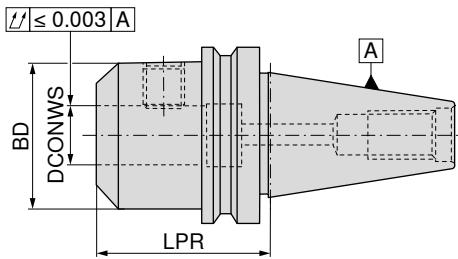
1) with cross screw and 4 holes M12, Pitch Circle diameter = 66.7 mm, coolant outlet on the outer diameter of the spigot (DCONWS)!

Cylindrical shank adapter (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat

▲ also available with Balluff chip **on request**

WNT \ Standard



NEW



AD/B
G 2,5 n_{max} 25000

82 740 ... PG Y8

Version	Adapter	DCONWS _{H4} mm	LPR mm	BD mm					
short	BT 40	6	50	25	10669	84.34	36.72		
	BT 40	8	50	28	10869	84.34	36.72		
	BT 40	10	63	35	11069	79.58	36.72		
	BT 40	12	63	42	11269	79.58	36.72		
	BT 40	14	63	44	11469	79.58	36.72		
	BT 40	16	63	48	11669	86.16	36.72		
	BT 40	18	63	50	11869	86.16	36.72		
	BT 40	20	63	52	12069	86.16	36.72		
	BT 40	25	100	65	12569	84.53	36.72		
	BT 40	32	100	72	13269 ¹⁾	102.03	41.96		
medium length	BT 40	6	100	25	20669	87.00	39.86		
	BT 40	8	100	28	20869	87.00	39.86		
	BT 40	10	100	35	21069	82.07	39.86		
	BT 40	12	100	42	21269	82.07	39.86		
	BT 40	14	100	44	21469	82.44	39.86		
	BT 40	16	100	48	21669	84.12	54.55		
	BT 40	18	100	50	21869	80.72	39.86		
	BT 40	20	100	52	22069	84.12	54.55		
extra-long	BT 40	6	160	25	40669	104.12	41.96		
	BT 40	8	160	28	40869	104.12	41.96		
	BT 40	10	160	35	41069	95.82	41.96		
	BT 40	12	160	42	41269	95.82	41.96		
	BT 40	14	160	44	41469	95.82	41.96		
	BT 40	16	160	48	41669	96.20	41.96		
	BT 40	18	160	50	41869	96.20	41.96		
	BT 40	20	160	52	42069	96.20	41.96		
	BT 40	25	160	65	42569 ¹⁾	102.03	41.96		

1) Version with two grub screws

 Spare parts can be found in → **Chapter 16 Adapters and accessoires in the clamping technology catalogue.**



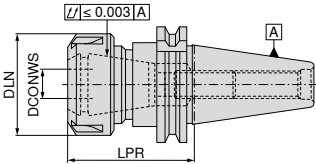
ER Collet chuck

▲ also available with Balluff chip **on request**

Scope of supply:

Holder with lock nut and adjustable back stop

WNT \ Standard



AD/B
G 2,5 n_{max} 25000

82 743 ... PG Y8

Version	Adapter	DCONWS mm	LPR mm	DLN mm	TQX Nm	for collet
short	SK 40	1 - 10	60	28	56	426E (ER16)
	SK 40	1 - 16	70	42	104	430E (ER25)
	SK 40	2 - 20	70	50	136	470E (ER32)
	SK 40	3 - 26	70	63	176	472E (ER40)

medium length	SK 40	1 - 10	120	28	56	426E (ER16)
	SK 40	1 - 16	120	42	104	430E (ER25)
	SK 40	2 - 20	120	50	136	470E (ER32)

1) with 6 position lock nut

Shell mill adapter

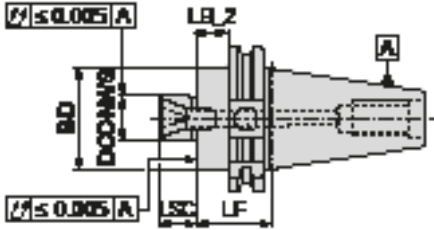
▲ Screwed drive dogs

▲ also available with Balluff chip **on request**

Scope of supply:

Toolholder with clamping screw

WNT \ Standard



NEW



AD/B
G 2,5 n_{max} 25000

82 745 ... PG Y8

Version	Adapter	DCONWS mm	LB_2 mm	LF mm	BD mm	LSC mm
short	SK 40	16	25	44	38	17
	SK 40	22	25	44	48	19
	SK 40	27	36	55	58	21
	SK 40	32	31	50	78	24
	SK 40	40	31	50	88	27

		£	£
11679	1)	416.42	48.25
12279		423.43	52.45
12779		426.68	52.45
13279		432.34	55.60
14079	1)	443.86	60.84

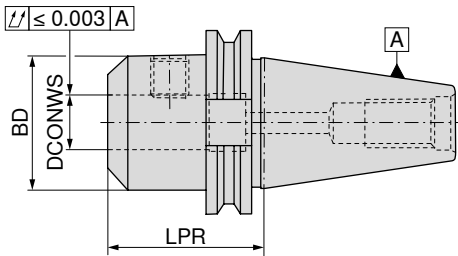
1) with cross screw and 4 holes M12, Pitch Circle diameter = 66.7 mm, coolant outlet on the outer diameter of the spigot (DCONWS)!

Cylindrical shank adapter (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat

▲ also available with Balluff chip **on request**

WNT \ Standard



NEW



AD/B
G 2,5 n_{max} 25000

82 740 ... PG Y8

Version	Adapter	DCONWS _{H4} mm	LPR mm	BD mm
short	SK 40	6	50	25
	SK 40	8	50	28
	SK 40	10	50	35
	SK 40	12	50	42
	SK 40	14	50	44
	SK 40	16	63	48
	SK 40	18	63	50
	SK 40	20	63	52
	SK 40	25	100	65
	SK 40	32	100	72

medium length	SK 40	6	100	25
	SK 40	8	100	28
	SK 40	10	100	35
	SK 40	12	100	42
	SK 40	14	100	44
	SK 40	16	100	48
	SK 40	18	100	50
	SK 40	20	100	52

extra-long	SK 40	6	160	25
	SK 40	8	160	28
	SK 40	10	160	35
	SK 40	12	160	42
	SK 40	14	160	44
	SK 40	16	160	48
	SK 40	18	160	50
	SK 40	20	160	52
	SK 40	25	160	65

1) Version with two grub screws

		£	£
10679		84.34	36.72
10879		84.34	36.72
11079		79.58	36.72
11279		79.58	36.72
11479		79.58	36.72
11679		86.16	36.72
11879		86.16	36.72
12079		86.16	36.72
12579	1)	94.53	36.72
13279	1)	102.83	41.96
20679		87.89	39.86
20879		87.89	39.86
21079		82.07	39.86
21279		82.07	39.86
21479		82.44	39.86
21679		94.12	54.55
21879		88.72	39.86
22079		94.12	54.55
40679		101.12	41.96
40879		101.12	41.96
41079		95.82	41.96
41279		95.82	41.96
41479		95.82	41.96
41679		96.29	41.96
41879		96.29	41.96
42079		96.29	41.96
42579	1)	102.83	41.96

 Spare parts can be found in → **Chapter 16 Adapters and accessoires in the clamping technology catalogue.**



Technical support: 0800 073 2 075

3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



Order by 6:00 pm and get your
guaranteed free express delivery

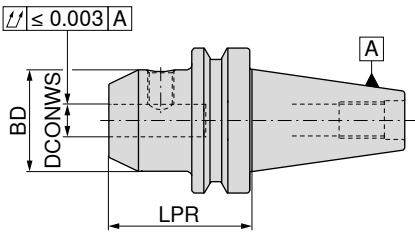


When you see this logo it's
in stock in Sheffield

Cylindrical shank adapter (Weldon) – BT-FC

- ▲ with face contact
- ▲ for shanks according to DIN 6535 / 1835 B with lateral clamping flat
- ▲ also available with Balluff chip **on request**

WNT \ Standard



G 2,5 n_{max} 25000

Version	Adapter	DCONWS _{H4} mm	LPR mm	BD mm	84 552 ... PG Y8	
					£	£
short	BT-FC 30	6	50	25	006	140.14 46.16
	BT-FC 30	8	50	28	008	140.14 46.16
	BT-FC 30	10	50	35	010	140.14 46.16
	BT-FC 30	12	50	42	012	140.14 46.16
	BT-FC 30	16	63	48	016	150.36 49.30
	BT-FC 30	20	63	52	020	150.36 49.30
	BT-FC 40	6	50	25	106	177.60 58.74
	BT-FC 40	8	50	28	108	171.84 56.65
	BT-FC 40	10	63	35	110	171.84 56.65
	BT-FC 40	12	63	42	112	171.84 56.65
	BT-FC 40	16	63	48	116	171.84 56.65
	BT-FC 40	20	63	52	120	171.84 56.65
	BT-FC 40	25	90	65	125 ¹⁾	220.45 75.53
	BT-FC 40	32	100	72	132 ¹⁾	220.45 75.53
	BT-FC 50	6	63	25	306	260.50 87.07
	BT-FC 50	8	63	28	308	255.80 84.97
	BT-FC 50	10	63	35	310	255.80 84.97
	BT-FC 50	12	80	42	312	255.80 84.97
	BT-FC 50	16	80	48	316	255.80 84.97
	BT-FC 50	20	80	52	320	255.80 84.97
	BT-FC 50	25	100	65	325 ¹⁾	292.04 96.51
	BT-FC 50	32	105	72	332 ¹⁾	292.04 96.51

1) Version with two grub screws

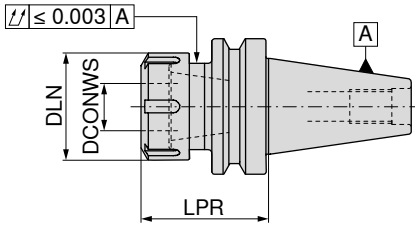
ER Collet chuck – BT-FC

- ▲ with face contact
- ▲ also available with Balluff chip **on request**

Scope of supply:

Toolholder including nut

WNT \ Standard



G 2,5 n_{max} 20000

Version	Adapter	DCONWS mm	LPR mm	DLN mm	TQX Nm	for collet	84 557 ... PG Y8	
							£	£
short	BT-FC 30	1 - 10	63	28	56	426E (ER16)	010 ¹⁾	150.15 52.45
	BT-FC 30	1 - 16	60	42	104	430E (ER25)	016	150.15 52.45
	BT-FC 30	2 - 20	60	50	136	470E (ER32)	020	150.15 52.45
	BT-FC 40	1 - 10	63	28	56	426E (ER16)	110 ¹⁾	190.21 66.09
	BT-FC 40	1 - 16	60	42	104	430E (ER25)	116	190.21 66.09
	BT-FC 40	2 - 20	60	50	136	470E (ER32)	120	190.21 66.09
	BT-FC 50	1 - 16	70	42	104	430E (ER25)	316	271.38 90.21
	BT-FC 50	2 - 20	70	50	136	470E (ER32)	320	271.38 90.21
medium length	BT-FC 50	1 - 10	100	28	56	426E (ER16)	310 ¹⁾	271.38 90.21

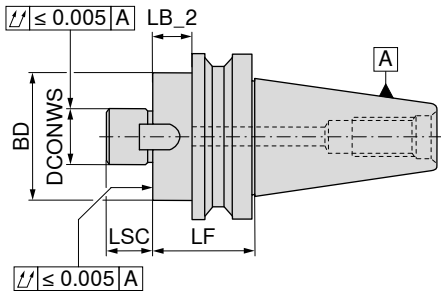
1) with 6 position lock nut

Spare parts can be found in → Chapter 16 Adaptors and accessoires in the clamping technology catalogue.

Shell mill adapter – BT-FC

- ▲ with face contact
- ▲ with fixed drive dogs and enlarged contact face for milling cutters with transverse slot
- ▲ also available with Balluff chip **on request**

WNT \ Standard



G 6,3 n_{max} 15000

Version	Adapter	DCONWS mm	LB_2 mm	LF mm	BD mm	LSC mm	84 562 ... PG Y8	
							£	£
short	BT-FC 30	16	18	39.0	40	17	016	154.27 51.40
	BT-FC 30	22	18	39.0	50	19	022	154.27 51.40
	BT-FC 30	27	18	39.0	60	21	027	154.27 51.40
	BT-FC 30	32	28	49.0	80	24	032	154.27 51.40
	BT-FC 40	16	8	34.0	40	17	116	185.51 60.84
	BT-FC 40	22	8	34.0	50	19	122	185.51 60.84
	BT-FC 40	27	8	34.0	60	21	127	185.51 60.84
	BT-FC 40	32	23	49.0	80	24	132	185.51 60.84
	BT-FC 40	40	23	49.0	89	27	140	185.51 60.84
	BT-FC 50	22	12	48.5	50	19	322	214.75 71.33
	BT-FC 50	27	12	48.5	60	21	327	214.75 71.33
	BT-FC 50	32	12	48.5	80	24	332	220.45 75.53
	BT-FC 50	40	17	53.5	89	27	340	220.45 75.53

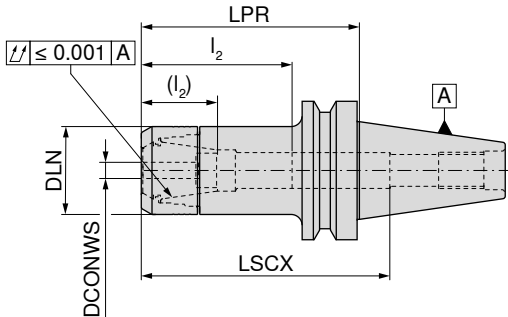
ER Precision Collet chuck – Centro-P – BT-FC

- ▲ with face contact
- ▲ for standard or sealed nuts
- ▲ maximum clamping range covered according to ISO tolerance field H10
- ▲ for clamping a roll key is required
- ▲ p_{max} = 80 bar
- ▲ also available with Balluff chip **on request**

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P WNT \ Performance



G 2,5 n_{max} 25000

Adapter	DCONWS mm	LPR mm	BD mm	LSCX mm	l ₂ (l ₂) mm	for collet	84 525 ... PG Y8	
							£	£
BT-FC 30	1 - 10	75	30	97	28 - 45 (14 - 31)	426E (ER16)	002	302.64 107.00
BT-FC 30	2 - 16	75	40	72	38 - 56 (23 - 39)	430E (ER25)	012	327.25 108.05
BT-FC 30	2 - 20	75	45	84	42 - 62 (24 - 45)	470E (ER32)	022	327.25 108.05
BT-FC 40	1 - 10	75	30	90	38 - 53 (29 - 39)	426E (ER16)	102	350.51 118.54
BT-FC 40	2 - 16	75	40	100	42 - 59 (36 - 41)	430E (ER25)	112	364.13 120.64
BT-FC 40	2 - 20	75	50	100	42 - 76 (42 - 52)	470E (ER32)	122	364.13 120.64

LSCX = clamping depth without back stop screw for shanks
l₂ = with back stop screw 1, dimension in brackets () = with back stop screw 2
dimension LPR when using tightening nuts with seals 4 mm longer



Customer Service Centre
Freephone: 0800 073 2 073
Email: info.uk@ceratizit.com



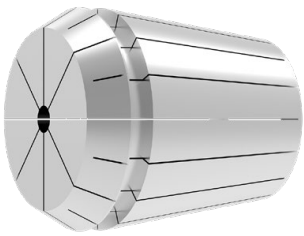
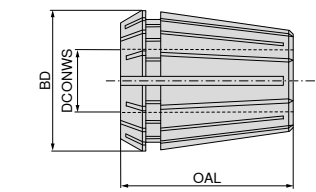
Ordering via the Online Shop
<http://cuttingtools.ceratizit.com>



ER precision collet

- ▲ DIN ISO 15488-B (old DIN 6499-B)
- ▲ Double taper collet
- ▲ 16 times slotted

ER-B
20 µm WNT \ Standard



DCONWS mm	UKS			UKS			UKS			UKS			UKS		
	BD = 17 OAL = 27.5 426 E / ER16			BD = 21 OAL = 31.5 428 E / ER20			BD = 26 OAL = 34 430 E / ER25			BD = 33 OAL = 40 470 E / ER32			BD = 41 OAL = 46 472 E / ER40		
	82 687 ... PG Y8			82 688 ... PG Y8			82 689 ... PG Y8			82 690 ... PG Y8			82 691 ... PG Y8		
	£	£		£	£		£	£		£	£		£	£	
1	01000	30.59	11.54	01000	34.62	10.49	02000	32.83	11.54				03000	33.48	10.49
2	02000	30.59	11.54	02000	34.62	10.49	03000	24.64	7.34	03000	26.53	8.39	04000	33.48	10.49
3	03000	24.67	9.44	03000	22.99	7.34	04000	24.64	7.34	04000	26.53	8.39	05000	33.48	10.49
4	04000	24.67	9.44	04000	22.99	7.34	05000	24.64	7.34	05000	26.53	8.39	06000	33.48	10.49
5	05000	24.67	9.44	05000	22.99	7.34	06000	24.64	7.34	06000	26.53	8.39	07000	33.48	10.49
6	06000	24.67	9.44	06000	22.99	7.34	07000	24.64	7.34	07000	26.53	8.39	08000	33.48	10.49
7	07000	24.67	9.44	07000	22.99	7.34	08000	24.64	7.34	08000	26.53	8.39	09000	33.48	10.49
8	08000	24.67	9.44	08000	22.99	7.34	09000	24.64	7.34	09000	26.53	8.39	10000	33.48	10.49
9	09000	24.67	9.44	09000	22.99	7.34	10000	24.64	7.34	10000	26.53	8.39	11000	33.48	10.49
10	10000	24.67	9.44	10000	22.99	7.34	11000	24.64	7.34	11000	26.53	8.39	12000	33.48	10.49
11				11000	22.99	7.34	12000	24.64	7.34	12000	26.53	8.39	13000	33.48	10.49
12				12000	22.99	7.34	13000	24.64	7.34	13000	26.53	8.39	14000	33.48	10.49
13				13000	22.99	7.34	14000	24.64	7.34	14000	26.53	8.39	15000	33.48	10.49
14							15000	24.64	7.34	15000	26.53	8.39	16000	33.48	10.49
15							16000	24.64	7.34	16000	26.53	8.39	17000	33.48	10.49
16										17000	26.53	8.39	18000	33.48	10.49
17										18000	26.53	8.39	19000	33.48	10.49
18										19000	26.53	8.39	20000	33.48	10.49
19										20000	26.53	8.39	21000	33.48	10.49
20													22000	33.48	10.49
21													23000	33.48	10.49
22													24000	33.48	10.49
23													25000	33.48	10.49
24													26000	33.48	10.49
25															
26															

Collet Set

Scope of supply

- 82 687 01000 DCONWS 1,0
82 687 02000 DCONWS 2,0
82 687 03000 DCONWS 3,0
82 687 04000 DCONWS 4,0
82 687 05000 DCONWS 5,0
- 82 687 06000 DCONWS 6,0
82 687 07000 DCONWS 7,0
82 687 08000 DCONWS 8,0
82 687 09000 DCONWS 9,0
82 687 10000 DCONWS 10,0



Set	BD mm	OAL mm	82 687 ... PG Y8	
			£	£
426 E / ER16	17	27.5	99900	275.43 147.91

Collet Set

Scope of supply

- 82 688 01000 DCONWS 1,0
82 688 02000 DCONWS 2,0
82 688 03000 DCONWS 3,0
82 688 04000 DCONWS 4,0
82 688 05000 DCONWS 5,0
82 688 06000 DCONWS 6,0
82 688 07000 DCONWS 7,0
- 82 688 08000 DCONWS 8,0
82 688 09000 DCONWS 9,0
82 688 10000 DCONWS 10,0
82 688 11000 DCONWS 11,0
82 688 12000 DCONWS 12,0
82 688 13000 DCONWS 13,0



Set	BD mm	OAL mm	82 688 ... PG Y8	
			£	£
428 E / ER20	21	31.5	99900	295.76 147.91

Collet Set

Scope of supply

- 82 689 02000 DCONWS 2,0
82 689 03000 DCONWS 3,0
82 689 04000 DCONWS 4,0
82 689 05000 DCONWS 5,0
82 689 06000 DCONWS 6,0
82 689 07000 DCONWS 7,0
82 689 08000 DCONWS 8,0
82 689 09000 DCONWS 9,0
- 82 689 10000 DCONWS 10,0
82 689 11000 DCONWS 11,0
82 689 12000 DCONWS 12,0
82 689 13000 DCONWS 13,0
82 689 14000 DCONWS 14,0
82 689 15000 DCONWS 15,0
82 689 16000 DCONWS 16,0



Set	BD mm	OAL mm	82 689 ... PG Y8	
			£	£
430 E / ER25	26	34	99900	388.42 147.91

Collet Set

Scope of supply

- 82 690 03000 DCONWS 3,0
82 690 04000 DCONWS 4,0
82 690 05000 DCONWS 5,0
82 690 06000 DCONWS 6,0
82 690 07000 DCONWS 7,0
82 690 08000 DCONWS 8,0
82 690 09000 DCONWS 9,0
82 690 10000 DCONWS 10,0
82 690 11000 DCONWS 11,0
- 82 690 12000 DCONWS 12,0
82 690 13000 DCONWS 13,0
82 690 14000 DCONWS 14,0
82 690 15000 DCONWS 15,0
82 690 16000 DCONWS 16,0
82 690 17000 DCONWS 17,0
82 690 18000 DCONWS 18,0
82 690 19000 DCONWS 19,0
82 690 20000 DCONWS 20,0



Set	BD mm	OAL mm	82 690 ... PG Y8	
			£	£
470 E / ER32	33	40	99900	476.68 157.35

Collet Set

Scope of supply

- 82 691 03000 DCONWS 3,0
82 691 04000 DCONWS 4,0
82 691 05000 DCONWS 5,0
82 691 06000 DCONWS 6,0
82 691 07000 DCONWS 7,0
82 691 08000 DCONWS 8,0
82 691 09000 DCONWS 9,0
82 691 10000 DCONWS 10,0
82 691 11000 DCONWS 11,0
82 691 12000 DCONWS 12,0
82 691 13000 DCONWS 13,0
82 691 14000 DCONWS 14,0
- 82 691 15000 DCONWS 15,0
82 691 16000 DCONWS 16,0
82 691 17000 DCONWS 17,0
82 691 18000 DCONWS 18,0
82 691 19000 DCONWS 19,0
82 691 20000 DCONWS 20,0
82 691 21000 DCONWS 21,0
82 691 22000 DCONWS 22,0
82 691 23000 DCONWS 23,0
82 691 24000 DCONWS 24,0
82 691 25000 DCONWS 25,0
82 691 26000 DCONWS 26,0

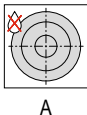
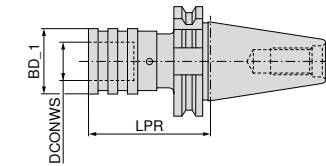


Set	BD mm	OAL mm	82 691 ... PG Y8	
			£	£
472 E / ER40	41	46	99900	805.36 251.76

Quick change tap chuck with length compensation

- ▲ With length compensation under tension and compression (LZD)
- ▲ also available with Balluff chip **on request**

WNT \ Standard

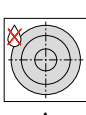
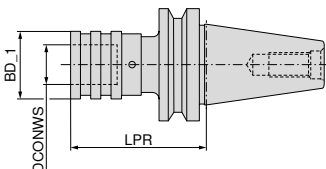


Adapter	cutting range	SZID	LPR mm	BD_1 mm	DCONWS mm	LZD± mm	83 428 ... PG Y8	
							£	£
SK 30	M6 - M20	02	101	55	31	15	320	688.00 230.78
SK 30	M3 - M12	01	60	38	19	9	312	644.38 203.51
SK 40	M6 - M20	02	100	55	31	15	420	544.46 169.94
SK 40	M3 - M12	01	60	38	19	9	412	474.48 157.35
SK 50	M6 - M20	02	83	55	31	15	520	767.62 253.86
SK 50	M3 - M12	01	62	38	19	9	512	788.64 233.93

Quick change tap chuck with length compensation

- ▲ With length compensation under tension and compression (LZD)
- ▲ also available with Balluff chip **on request**

WNT \ Standard



Adapter	cutting range	SZID	LPR mm	BD_1 mm	DCONWS mm	LZD± mm	83 528 ... PG Y8	
							£	£
BT 30	M3 - M12	01	63	38	19	9	312	647.65 204.56
BT 30	M6 - M20	02	96	55	31	15	320	774.59 255.96
BT 40	M3 - M12	01	68	38	19	9	412	495.59 163.64
BT 40	M6 - M20	02	93	55	31	15	420	544.46 169.94
BT 50	M3 - M12	01	80	38	19	9	512	830.59 274.84
BT 50	M6 - M20	02	102	55	31	15	520	956.49 315.75



Technical support: 0800 073 2 075

3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



Order by 6:00 pm and get your
guaranteed free express delivery

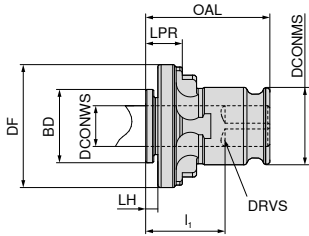


When you see this logo it's
in stock in Sheffield

Quick change tap adapter

- ▲ Normal version without overload clutch
- ▲ For mounting taps
- ▲ For right-hand and left-hand threads

WNT \ Standard



AD

SZID	DCONWS	DRVS	DIN 371	DIN 374 / 376	DF	DCONMS	OAL	LPR
	mm	mm			mm	mm	mm	mm
01	11.0	9.0		M14	30.2	19	31	9.5
01	3.5	2.7	M3		30.2	19	31	9.5
01	4.5	3.4	M4		30.2	19	31	9.5
01	4.0	3.0	M3,5		30.2	19	31	9.5
01	2.8	2.1	M2 - M2,6		30.2	19	31	9.5
01	5.5	4.3		M7	30.2	19	31	9.5
01	6.0	4.9	M4,5 - M6	M8	30.2	19	31	9.5
01	7.0	5.5	M7	M10	30.2	19	31	9.5
01	8.0	6.2	M8	M11	30.2	19	31	9.5
01	9.0	7.0	M9	M12	30.2	19	31	9.5
01	10.0	8.0	M10		30.2	19	31	9.5
02	11.0	9.0		M14	46.3	31	46	11.0
02	6.0	4.9	M4,5 - M6		46.3	31	46	11.0
02	7.0	5.5	M7		46.3	31	46	11.0
02	8.0	6.2	M8		46.3	31	46	11.0
02	9.0	7.0	M9		46.3	31	46	11.0
02	10.0	8.0	M10		46.3	31	46	11.0
02	12.0	9.0		M16	46.3	31	46	11.0
02	14.0	11.0		M18	46.3	31	46	11.0
02	16.0	12.0		M20	46.3	31	46	11.0
02	18.0	14.5		M22 - M24	46.3	31	46	11.0

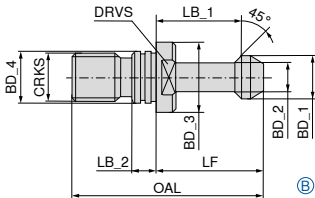
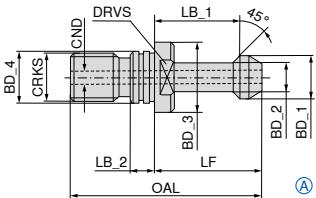
83 610 ...	PG	Y8
	£	£
110	51.10	16.78
100	51.10	16.78
101	51.10	16.78
102	51.10	16.78
103	51.10	16.78
104	51.10	16.78
105	51.10	16.78
106	51.10	16.78
107	51.10	16.78
108	51.10	16.78
109	51.10	16.78
205	70.27	23.08
200	70.27	23.08
201	70.27	23.08
202	70.27	23.08
203	70.27	23.08
204	70.27	23.08
206	70.27	23.08
207	70.27	23.08
208	70.27	23.08
209	70.27	23.08

Pull stud for tool holders according to ISO 7388-2

- ▲ MAS-BT 45° Form A and B

Scope of supply:
including O-Ring

WNT \ Standard



Adapter	BD_1	BD_2	BD_3	BD_4	CRKS	OAL	LF	LB_1	LB_2	CND	DRVS	TQX
	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	Nm
BT 30	11	7	16.5	12.5	M12	43	23	18	4.0		13	20
BT 30	11	7	16.5	12.5	M12	43	23	18	4.0	2.2	13	20
BT 40	15	10	23.0	17.0	M16	60	35	28	5.5		19	50
BT 40	15	10	23.0	17.0	M16	60	35	28	5.5	4.0	19	50
BT 50	23	17	38.0	25.0	M24	85	45	35	8.0		30	150
BT 50	23	17	38.0	25.0	M24	85	45	35	8.0	6.0	30	150

82 530 ...	PG	Y8
	£	£
030	23.07	7.34
040	19.75	6.29
050	20.02	9.44

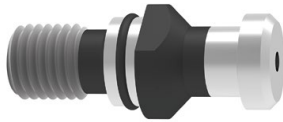
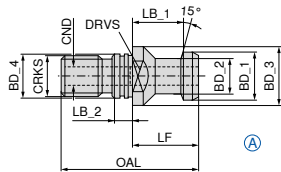
82 534 ...	PG	Y8
	£	£
030	23.07	7.34
040	23.07	7.34
050	20.67	9.44

Pull studs for tool holders according to ISO 7388-1

- ▲ ISO 7388-3 AD
- ▲ For tools with or without axial coolant supply

Scope of supply:
including O-Ring

WNT \ Standard



Adapter	BD_1	BD_2	BD_3	BD_4	CRKS	OAL	LF	LB_1	LB_2	CND	DRVS	TQX
	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	Nm
SK 30	13	9	17	13	M12	44	24	19	5	3.5	14	20
SK 40	19	14	23	17	M16	54	26	20	7	7.0	19	50
SK 50	28	21	36	25	M24	74	34	25	10	11.5	30	150

82 468 ...	PG	Y8
	£	£
030	10.00	6.29
040	16.00	5.25
050	20.75	7.34



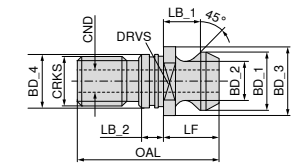
Pull studs for tool holders according to ISO 7388-1

- ▲ CAT Mazak
- ▲ Face ground flat

Scope of supply:

SK 50 including O-ring
SK 40 without O-ring groove

WNT \ Standard



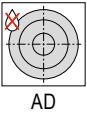
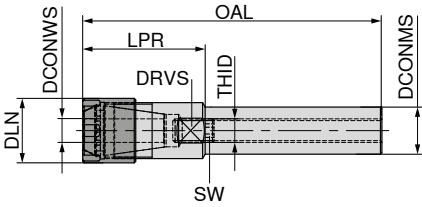
Adapter	BD_1	BD_2	BD_3	BD_4	CRKS	OAL	LF	LB_1	LB_2	CND	DRVS	TQX
SK 40	18.79	12.44	21.8	17	M16	41.26	16.25	11.17	4.0	7.0	19	50
SK 50	29.10	19.60	37.0	25	M24	65.50	25.55	17.95	5.5	11.5	30	150

82 487 ...	PG	Y8
£	£	
040	16.00	5.25
050	25.10	8.39

ER collet chuck with mini clamping nut

- ▲ with cylindrical shank

WNT \ Standard



DCONMS h6	DCONWS	OAL	LPR	DLN	THID	DRVS	for collet
mm	mm	mm	mm	mm		mm	
8	1 - 5	81	26	12		9	4004E (ER08)
12	1 - 5	157	20	12	M5x0,8	10	4004E (ER08)
16	1 - 7	185	25	16	M7,5x0,5	14	4008E (ER11)
16	1 - 10	117	37	22	M11x1	17	426E (ER16)
16	1 - 10	199	39	22	M8x1,25	17	426E (ER16)
20	1 - 10	168	28	22	M11x1	17	426E (ER16)
25	1 - 13	168	28	28	M14x1	22	428E (ER20)
25	1 - 16	189	39	35	M18x1	27	430E (ER25)

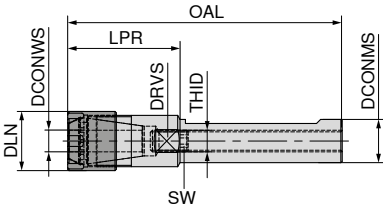
83 453 ...	PG	Y8
£	£	
081 ¹⁾	164.61	54.55
122	348.14	115.39
163	342.04	113.29
164	348.14	115.39
165	342.04	113.29
204	245.32	80.77
254	283.82	93.36
256	357.53	118.54

1) without coolant supply (form A)

ER collet chuck with mini clamping nut

- ▲ with cylindrical shank and clamping flat

WNT \ Standard



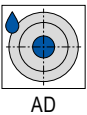
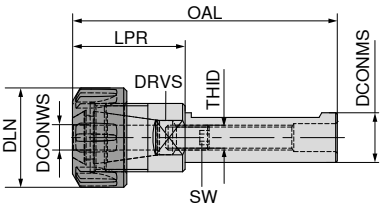
DCONMS h6	DCONWS	OAL	LPR	DLN	THID	DRVS	for collet
mm	mm	mm	mm	mm		mm	
20	1 - 10	168	28	22	M11x1	17	426E (ER16)
20	1 - 13	138	38	28	M11x1	22	428E (ER20)
20	1 - 16	146	46	35	M14x1	27	430E (ER25)
25	1 - 13	168	28	28	M14x1	22	428E (ER20)
25	1 - 16	189	39	35	M18x1	27	430E (ER25)

83 454 ...	PG	Y8
£	£	
204	245.32	80.77
206	476.38	58.74
208	266.67	68.19
254	283.82	93.36
256	357.53	118.54

ER Collet Chuck

- ▲ with cylindrical shank and clamping flat

WNT \ Standard



DCONMS h6	DCONWS	OAL	LPR	DLN	THID	DRVS	for collet
mm	mm	mm	mm	mm		mm	
40	2 - 20	100	35	50	M22x1,5	36	470E (ER32)
40	2 - 20	160	35	50	M22x1,5	36	470E (ER32)
40	3 - 30	139	59	63	M28x1,5	40	472E (ER40)

83 455 ...	PG	Y8
£	£	
401	288.08	69.23
402	258.02	84.97
405	299.57	79.72

Note: Spanner to be ordered separately.



Technical support: 0800 073 2 075
3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



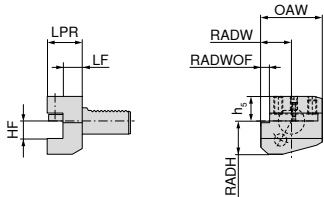
Order by 6:00 pm and get your
guaranteed free express delivery



When you see this logo it's
in stock in Sheffield

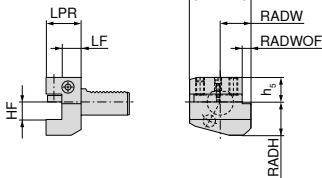
Radial tool holders, short

WNT \ Performance



B2

DCONMS _{h6}	HF _{0/-0.1}	OAW	RADW	RADWOF	h ₅	RADH	LF _{0/+0.5}	LPR
mm	mm	mm	mm	mm	mm	mm	mm	mm
16	12	42	23.0	5.0	20.0	22	13.0	24
20	16	55	30.0	7.0	25.0	30	16.0	30
20	16	55	30.0	7.0	25.0	30	26.0	40
30	20	70	35.0	10.0	28.0	38	18.5	40
30	20	70	35.0	10.0	28.0	38	42.0	60
40	25	85	42.5	12.5	32.5	48	18.5	44
50	32	100	50.0	16.0	35.0	60	30.0	55



B1



Left-hand

82 189 ...	PG	Y8
£	£	
200	200.87	66.09
201	264.83	87.07
300	247.51	72.38
301	243.91	113.29
400	220.44	72.38
500	344.74	113.29

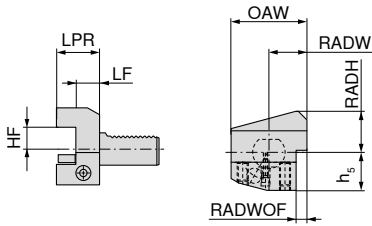


Right-hand

82 185 ...	PG	Y8
£	£	
160	235.26	77.63
200	244.43	71.33
201	247.44	81.82
300	197.26	65.04
301	326.36	108.05
400	204.23	66.09
500	336.13	111.19

Radial tool holders, overhead, short

WNT \ Performance



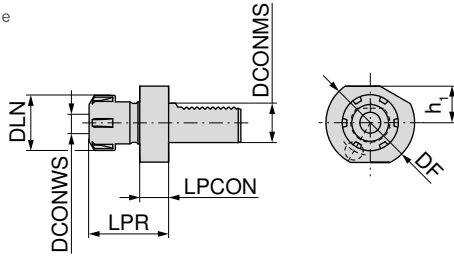
Right-hand

DCONMS _{h6}	HF _{0/-0.1}	OAW	RADW	RADWOF	h ₅	RADH	LF _{0/+0.5}	LPR
mm	mm	mm	mm	mm	mm	mm	mm	mm
16	12	42	23.0	5.0	20.0	22	13.0	24
20	16	55	30.0	7.0	25.0	30	26.0	40
30	20	70	35.0	10.0	35.0	38	18.5	40
40	25	85	42.5	12.5	42.5	48	18.5	44
50	32	100	50.0	16.0	50.0	60	30.0	55

82 193 ...	PG	Y8
£	£	
160	248.04	81.82
201	344.29	102.80
300	263.49	67.14
400	244.88	71.33
500	344.74	113.29

ER Collet chucks

WNT \ Performance

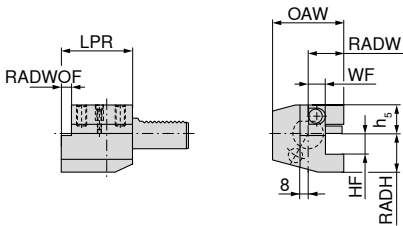


DCONMS _{h6}	DCONWS	DF	DLN	h ₁	LPR	LPCON	for collet
mm	mm	mm	mm	mm	mm	mm	
16	1 - 10	40	28	18.0	43.5	14	426E (ER16)
16	1 - 13	40	34	18.0	44.0	14	428E (ER20)
20	1 - 16	50	42	23.0	57.0	18	430E (ER25)
20	2 - 20	50	50	23.0	62.0	18	470E (ER32)
30	1 - 16	68	42	28.0	57.0	22	430E (ER25)
30	2 - 20	68	50	28.0	75.0	22	470E (ER32)
40	1 - 16	83	42	32.5	75.0	22	430E (ER25)
40	2 - 20	83	50	32.5	75.0	22	470E (ER32)
40	3 - 26	83	63	32.5	75.0	22	472E (ER40)
50	2 - 20	94	50	35.0	75.0	30	470E (ER32)
50	3 - 26	94	63	35.0	63.0	30	472E (ER40)

82 286 ...	PG	Y8
£	£	
160	330.24	112.24
161	335.69	111.19
202	276.34	91.26
203	288.02	95.46
300	272.77	90.21
301	273.62	90.21
400	295.76	97.56
401	295.76	97.56
402	298.46	96.51
500	430.76	142.66
501	430.76	142.66

Axial tool holders

WNT \ Performance



Right-hand

DCONMS _{h6}	HF _{0/-0.1}	OAW	RADW	WF _{0/+0.3}	h ₅	RADH	LPR	RADWOF
mm	mm	mm	mm	mm	mm	mm	mm	mm
30	20	70	35.0	17.0	28.0	38	70	10.0
40	25	85	42.5	20.5	32.5	48	85	12.5
50	32	100	50.0	25.5	35.0	60	100	16.0

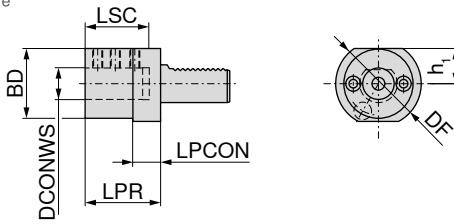
82 211 ...	PG	Y8
£	£	
300	228.74	75.53
400	266.09	88.12
500	387.97	127.98

Boring bar holder

▲ for turning tools with cylindrical shank

▲ Coolant supply either through the tool or via the ball-shaped spray nozzle

WNT \ Performance



DCONMS _{h6}	DCONWS _{h7}	DF	BD	h ₁	LPR	LPCON	LSC
mm	mm	mm	mm	mm	mm	mm	mm
16	6	40	32	18.0	44	13	34
16	8	40	32	18.0	44	13	34
16	10	40	32	18.0	44	13	34
16	12	40	40	18.0	44	13	34
16	16	40	40	18.0	44	13	34
20	8	50	40	23.0	50	18	41
20	10	50	40	23.0	50	18	41
20	12	50	40	23.0	50	18	41
20	16	50	40	23.0	50	18	41
20	20	50	50	23.0	50	18	41
20	25	50	50	23.0	60	18	51
30	8	68	55	28.0	60	22	51
30	10	68	55	28.0	60	22	51
30	12	68	55	28.0	60	22	51
30	16	68	55	28.0	60	22	51
30	20	68	55	28.0	60	22	51
30	25	68	55	28.0	60	22	51
30	32	68	68	28.0	75	22	61
40	8	83	55	32.5	75	22	61
40	10	83	55	32.5	75	22	61
40	12	83	55	32.5	75	22	61
40	16	83	55	32.5	75	22	61
40	20	83	55	32.5	75	22	61
40	25	83	55	32.5	75	22	61
40	32	83	83	32.5	75	22	61
40	40	83	83	32.5	90	22	76
50	12	98	68	35.0	90	30	76
50	16	98	68	35.0	90	30	76
50	20	98	68	35.0	90	30	76
50	25	98	68	35.0	90	30	76
50	32	98	68	35.0	90	30	76
50	40	98	98	35.0	90	30	76
50	50	98	98	35.0	100	30	86

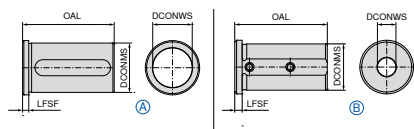
82 268 ...	PG	Y8
£	£	
160 ¹⁾	204.06	96.51
161 ¹⁾	222.08	73.43
162 ¹⁾	222.08	73.43
163 ¹⁾	222.08	73.43
164 ¹⁾	222.08	73.43
200	206.47	68.19
201	206.47	68.19
202	206.47	68.19
203	206.47	68.19
204	206.47	68.19
205	206.47	68.19
300	204.23	66.09
301	204.23	66.09
302	204.23	66.09
303	204.23	66.09
304	204.23	66.09
305	204.23	66.09
306	204.23	66.09
400	205.14	68.19
401	205.14	68.19
402	205.14	68.19
403	205.14	68.19
404	205.14	68.19
405	205.14	68.19
406	205.14	68.19
407	205.14	68.19
500	205.49	97.56
501	205.49	97.56
502	205.49	97.56
503	283.34	93.36
504	283.34	93.36
505	283.34	93.36
506	283.34	93.36

1) Coolant supply through pipe joint

Reduction sleeves for direct clamping

▲ For tools with cylindrical shank

WNT \ Performance



A

B

DCONMS	DCONWS	OAL	LFSF	Fig.
mm	mm	mm	mm	
25	12	50	4	B
25	6	50	4	B
25	8	50	4	B
25	10	50	4	B
25	16	50	4	A
25	20	50	4	A
32	6	58	5	B
32	8	58	5	B
32	10	58	5	B
32	12	58	5	B
32	16	58	5	A
32	20	58	5	A
32	25	58	5	A
40	8	58	5	B
40	10	58	5	B
40	12	58	5	B
40	16	58	5	A
40	20	58	5	A
40	25	58	5	A
40	32	58	5	A
50	25	75	5	A
50	12	75	5	B
50	16	75	5	A
50	20	75	5	A
50	32	75	5	A
50	40	75	5	A

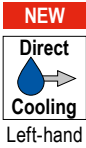
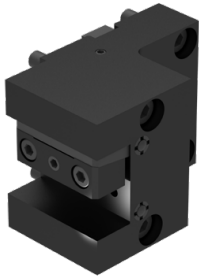
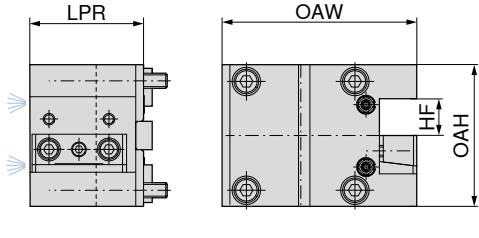
83 272 ...	PG	Y8
£	£	
262	133.05	44.06
258	176.54	57.70
256	133.05	44.06
260	133.05	44.06
266	133.05	44.06
270	133.05	44.06
326	181.13	59.79
328	181.13	59.79
330	187.63	45.11
332	187.63	45.11
336	187.63	45.11
340	187.63	45.11
345	187.63	45.11
408	220.04	72.38
410	181.13	59.79
412	181.13	59.79
416	181.13	59.79
420	181.13	59.79
425	181.13	59.79
432	181.13	59.79
525	204.35	67.14
512	204.35	67.14
516	204.35	67.14
520	204.35	67.14
532	204.35	67.14
540	204.35	67.14



Doosan/Spinner – BMT 45 – Axial square section tool holder

▲ directly screwed version

WNT \ Performance



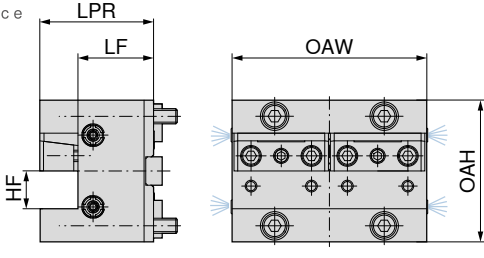
Adapter	Hole pattern	HF mm	LPR mm	OAH mm	OAW mm
BMT 45	58 x 58	20	60	75	99.5

82 480 ...	PG Y7
£	£
00006	923.84 324.14

Doosan/Spinner – BMT 45 – Radial square section tool holder

▲ directly screwed version

WNT \ Performance



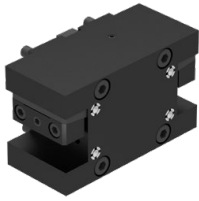
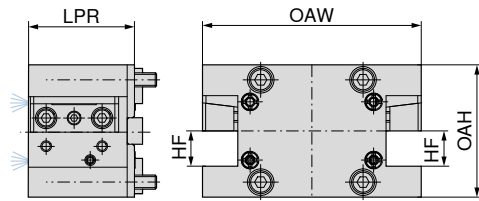
Adapter	Hole pattern	HF mm	LF mm	LPR mm	OAH mm	OAW mm
BMT 45	58 x 58	20	40	60	75	80

82 480 ...	PG Y7
£	£
01007	972.00 340.93

Doosan/Spinner – BMT 45 – Multi square section tool holder

▲ directly screwed version

WNT \ Performance



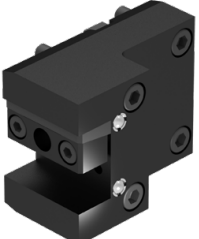
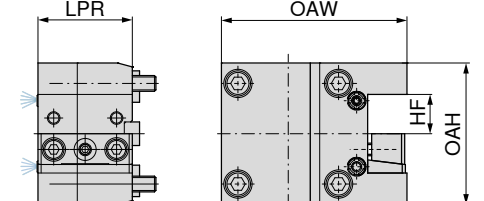
Adapter	Hole pattern	HF mm	LPR mm	OAH mm	OAW mm
BMT 45	58 x 58	20	60	75	124

82 480 ...	PG Y7
£	£
02008	1,291.48 452.12

Doosan – BMT 55 – Axial square section tool holder

▲ directly screwed version

WNT \ Performance



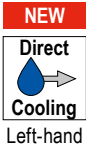
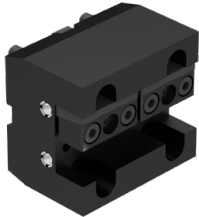
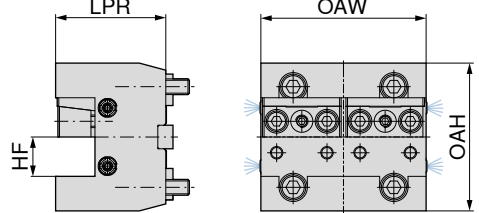
Adapter	Hole pattern	HF mm	LPR mm	OAH mm	OAW mm
BMT 55	64 x 64	25	60	90	118

82 481 ...	PG Y7
£	£
00005	1,159.21 587.44

Doosan – BMT 55 – Radial square section tool holder

▲ directly screwed version

WNT \ Performance



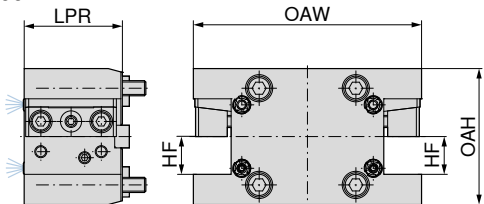
Adapter	Hole pattern	HF mm	LPR mm	OAH mm	OAW mm
BMT 55	64 x 64	25	95	94	105

82 481 ...	PG Y7
£	£
01006	1,656.43 405.96

Doosan – BMT 55 – Multi square section tool holder

▲ directly screwed version

WNT \ Performance



Adapter	Hole pattern	HF mm	LPR mm	OAH mm	OAW mm
BMT 55	64 x 64	25	60	90	151

82 481 ...	PG Y7
£	£
02007	1,629.81 581.15



The Catalogue 2024

Cutting Tools



cutting.tools/gb/en/e-shelf



Technical support: 0800 073 2 075
3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



Order by 6:00 pm and get your
guaranteed free express delivery

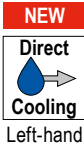
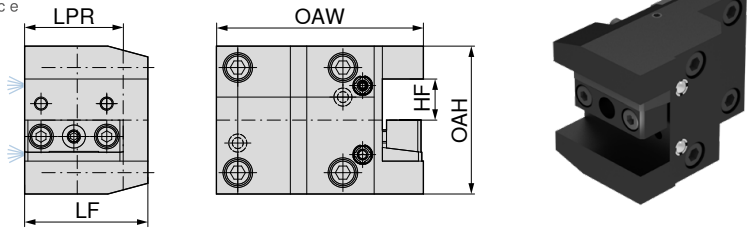


When you see this logo it's
in stock in Sheffield

EMAG – BMT 55 – Axial square section tool holder

▲ directly screwed version

WNT \ Performance

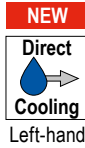
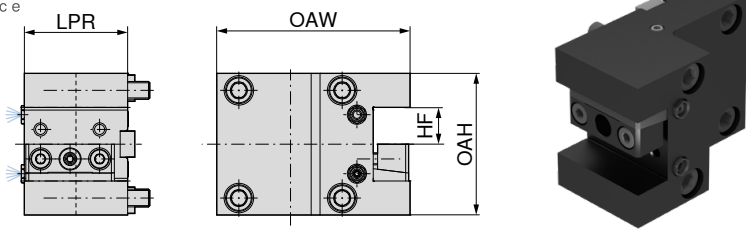


Adapter	Hole pattern	HF mm	LPR mm	LF mm	OAH mm	OAW mm	82 482 ... PG Y7
BMT 55	64 X 64	25	60	75	90	126	00004 1,134.86 397.57

HAAS/Doosan – BMT 65 – Axial square section tool holder

▲ directly screwed version

WNT \ Performance

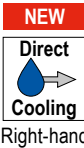
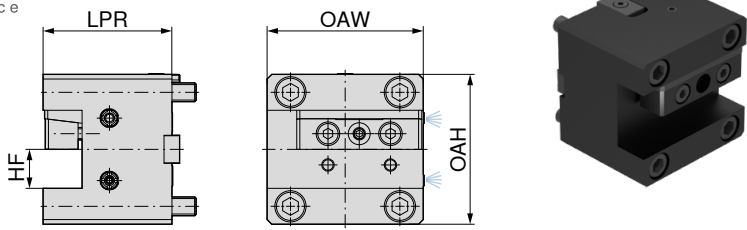


Adapter	Hole pattern	HF mm	LPR mm	OAH mm	OAW mm	82 483 ... PG Y7
BMT 65	70 x 73	25	75	97	131	00005 1,384.68 485.69

HAAS/Doosan – BMT 65 – Radial square section tool holder

▲ directly screwed version

WNT \ Performance



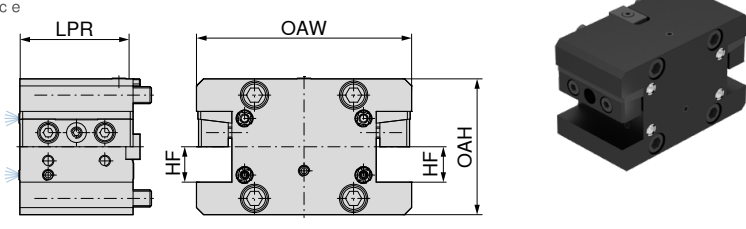
Adapter	Hole pattern	HF mm	LPR mm	OAH mm	OAW mm	82 483 ... PG Y7
BMT 65	70 x 73	25	82.5	96	100	05006 1,354.85 474.15

HAAS/Doosan – BMT 65 – Multi square section tool holder

▲ directly screwed version

▲ For right and left direction of rotation

WNT \ Performance

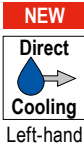
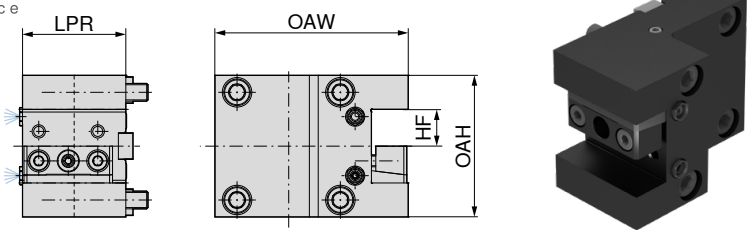


Adapter	Hole pattern	HF mm	LPR mm	OAH mm	OAW mm	82 483 ... PG Y7
BMT 65	70 x 73	25	80	96	152	02007 1,704.71 597.93

HAAS/Doosan – BMT 65 – Axial square section tool holder

▲ directly screwed version

WNT \ Performance



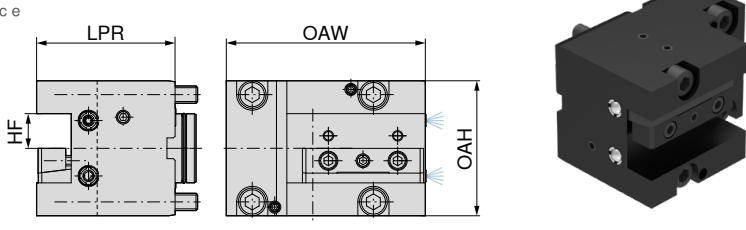
Adapter	Hole pattern	HF mm	LPR mm	OAH mm	OAW mm	82 483 ... PG Y7
BMT 65	70 x 73	25	75	97	131	00005 1,384.68 485.69

Mori/Seiki – BMT 40 – Radial square section tool holder

▲ directly screwed version

▲ For right and left direction of rotation

WNT \ Performance



Adapter	Hole pattern	HF mm	LPR mm	OAH mm	OAW mm	82 484 ... PG Y7
BMT 40	70 x 62	20	80	78	115	01006 1,127.14 394.42

JUST OUR THING

EVERYTHING FOR METAL CUTTING

www.just-our-thing.uk

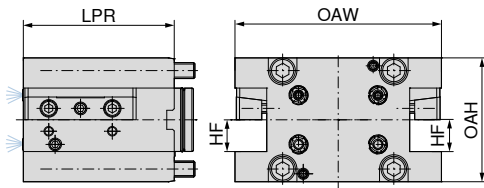
THE Cutting Tool Solution



Mori/Seiki – BMT 40 – Multi square section tool holder

- ▲ directly screwed version
- ▲ For right and left direction of rotation

WNT \ Performance



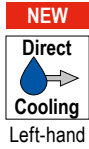
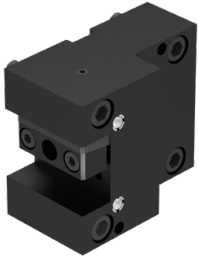
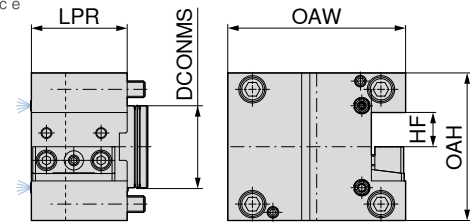
Adapter	Hole pattern	HF mm	LPR mm	OAH mm	OAW mm
BMT 40	70 x 62	20	95	78	130

82 484 ...	PG Y7
02007	£ 411.21

Mori/Seiki – BMT 60 – Axial square section tool holder

- ▲ directly screwed version
- ▲ For right and left direction of rotation

WNT \ Performance



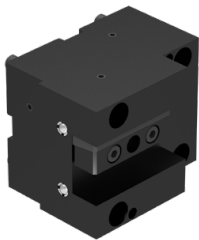
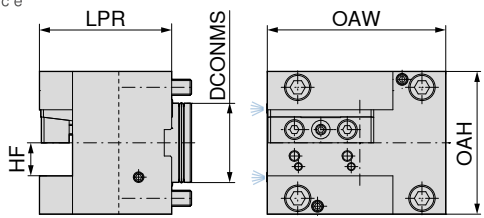
Adapter	Hole pattern	HF mm	DCONMS mm	LPR mm	OAH mm	OAW mm
BMT 60	94 x 84	25	60	70	108	130

82 485 ...	PG Y7
00005	£ 378.69

Mori/Seiki – BMT 60 – Radial square section tool holder

- ▲ directly screwed version
- ▲ For right and left direction of rotation

WNT \ Performance



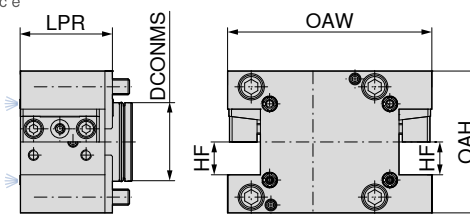
Adapter	Hole pattern	HF mm	DCONMS mm	LPR mm	OAH mm	OAW mm
BMT 60	94 x 84	25	60	100	108	135

82 485 ...	PG Y7
01006	£ 394.42

Mori/Seiki – BMT 60 – Multi square section tool holder

- ▲ directly screwed version
- ▲ For right and left direction of rotation

WNT \ Performance



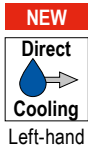
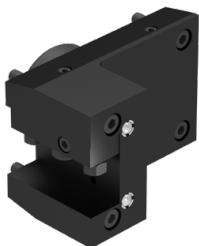
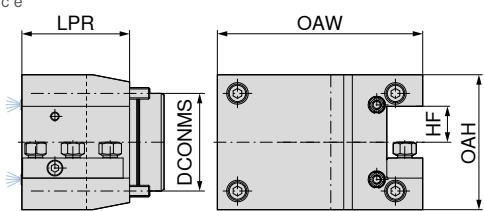
Adapter	Hole pattern	HF mm	DCONMS mm	LPR mm	OAH mm	OAW mm
BMT 60	94 x 84	25	60	70	108	155.5

82 485 ...	PG Y7
02007	£ 445.83

Mazak – BMT 68 – Axial square section tool holder

- ▲ directly screwed version
- ▲ For right and left direction of rotation

WNT \ Performance



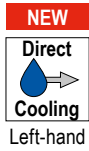
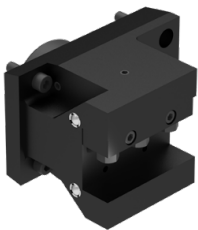
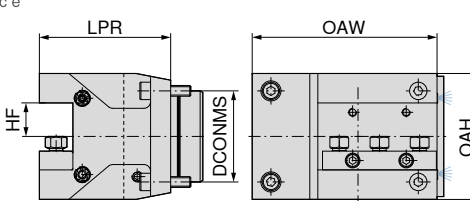
Adapter	Hole pattern	HF mm	DCONMS mm	LPR mm	OAH mm	OAW mm
BMT 68	110 x 68	25	68	75	94	143

82 486 ...	PG Y7
00005	£ 364.00

Mazak – BMT 68 – Radial square section tool holder

- ▲ directly screwed version
- ▲ For right and left direction of rotation

WNT \ Performance



Adapter	Hole pattern	HF mm	DCONMS mm	LPR mm	OAH mm	OAW mm
BMT 68	110 x 68	25	68	98	94	143

82 486 ...	PG Y7
01006	£ 369.25

The Catalogue 2024

Clamping Technology

cutting.tools/gb/en/e-shelf



Technical support: 0800 073 2 075
3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



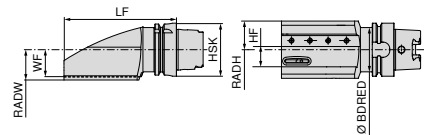
Order by 6:00 pm and get your
guaranteed free express delivery



When you see this logo it's
in stock in Sheffield

MonoClamp – HSK-T parting blade holder GX/LX/FX/SX with DirectCooling

WNT \ Performance



Illustrations show right-hand versions



Left-hand



Right-hand

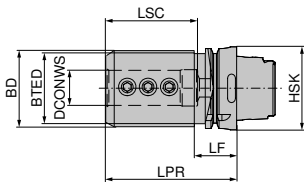
Adapter	LF	BDRED	WF	HF	RADW	RADH	for parting blades
mm	mm	mm	mm	mm	mm	mm	
HSK-T 63	155	52.6	32	26	36	34	XLCF R/L 26...
HSK-T 63	155	52.6	32	32	37.5	35	XLCF R/L 32...

74 585 ...	PG 2D/80
£	£
02637	471.61 330.44
03237	471.61 330.44

74 584 ...	PG 2D/80
£	£
02637	471.61 330.44
03237	471.61 330.44

HSK-T Boring bar holder

WNT \ Performance



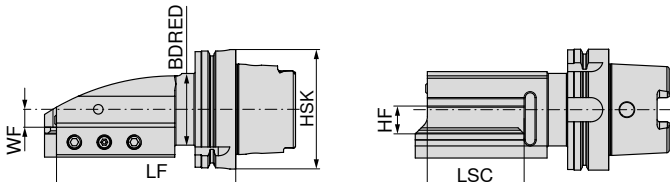
ISO designation	Adapter	LPR	DCONWS	BD	LSC	LF	BTED
mm		mm	mm	mm	mm	mm	mm
HSK T63 BH08 80	HSK-T 63	80	8	32	41		
HSK T63 BH10 80	HSK-T 63	80	10	40	41		
HSK T63 BH12 80	HSK-T 63	80	12	40	41		
HSK T63 BH16 80	HSK-T 63	80	16	40	51		
HSK T63 BH20 80	HSK-T 63	80	20	50	51		
HSK T100 BH20 90	HSK-T 100	90	20	55	56		
HSK T100 BH25 95	HSK-T 100	95	25	55	61		
HSK T63 BH25 90	HSK-T 63	90	25	53	61		
HSK T63 BH32 95	HSK-T 63	95	32	68	61	42	53
HSK T100 BH32 110	HSK-T 100	110	32	68	61		
HSK T100 BH40 120	HSK-T 100	120	40	83	81		
HSK T100 BH50 125	HSK-T 100	125	50	98	91	45	88

74 577 ...	PG 2D/80
£	£
508	417.85 292.67
510	417.85 292.67
512	417.85 292.67
516	417.85 292.67
520	417.85 292.67
720	592.46 372.40
725	592.46 372.40
525	417.85 292.67
532	417.85 292.67
732	592.46 372.40
740	592.46 372.40
750	592.46 372.40

HSK-T square shank holder 0° with DirectCooling

- ▲ Suitable for stationary tool holder HF = 20 / 25 / 32 mm
- ▲ These HF values can be achieved by removing the mounting adapter and clamping block

WNT \ Performance



Illustrations show right-hand versions



Left-hand



Right-hand

ISO designation	Adapter	LF	l ₂	BDRED	WF	LSC	b ₃	HF
mm		mm	mm	mm	mm	mm	mm	mm
ISO 12164-3 T63	HSK-T 63	145	46	52.6	15	80	25	25
ISO 12164-3 T100	HSK-T 100	150	51	60.0	15	80	32	32

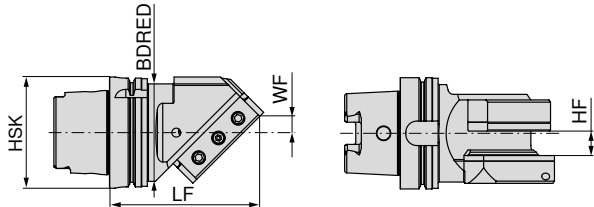
74 571 ...	PG 2D/80
£	£
02537	368.74 258.05
02535	486.92 340.93

74 570 ...	PG 2D/80
£	£
02537	368.74 258.05
02535	486.92 340.93

HSK-T square shank holder 45° with DirectCooling

- ▲ Suitable for stationary tool holder HF = 20 / 25 / 32 mm
- ▲ These HF values can be achieved by removing the mounting adapter and clamping block

WNT \ Performance



Illustrations show right-hand versions



Left-hand



Right-hand

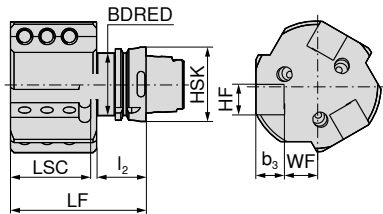
ISO designation	Adapter	LF	l ₂	BDRED	WF	b ₃	HF
mm		mm	mm	mm	mm	mm	mm
ISO 12164-3 T63	HSK-T 63	130	40	52.6	14.6	25	25
ISO 12164-3 T100	HSK-T 100	135	58	87.6	14.6	32	32

74 573 ...	PG 2D/80
£	£
02537	368.74 288.48
02535	501.15 350.37

74 572 ...	PG 2D/80
£	£
02537	368.74 258.05
02535	501.15 350.37

HSK-T square shank adapter 3-face 0°

WNT \ Performance



Left-hand

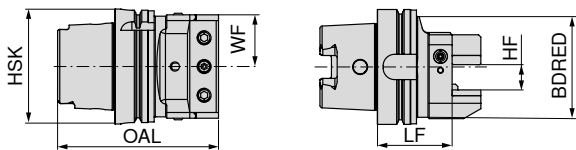
ISO designation	Adapter	LF	l ₂	BDRED	WF	LSC	b ₃	HF
mm		mm	mm	mm	mm	mm	mm	mm
HSK T63 SH3 L 00 2525	HSK-T 63	115	42	53	28	68	25	25
HSK T100 SH3 L 00 2525	HSK-T 100	120	45	88	33	70	25	25

74 576 ...	PG 2D/80
£	£
525	986.76 686.05
725	1390.23 973.47

HSK-T square shank holder 90° with DirectCooling

- ▲ Suitable for stationary tool holder HF = 20 / 25 / 32 mm
- ▲ These HF values can be achieved by removing the mounting adapter and clamping block

WNT \ Performance



Neutral

ISO designation	Adapter	LF	l ₂	BDRED	WF	OAL	b ₃	HF
mm		mm	mm	mm	mm	mm	mm	mm
ISO 12164-3 T63	HSK-T 63	60	40	52.6	45	117	25	25
ISO 12164-3 T100	HSK-T 100	65	45	87.6	45	140	32	32

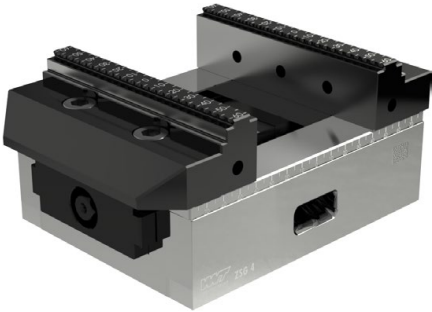
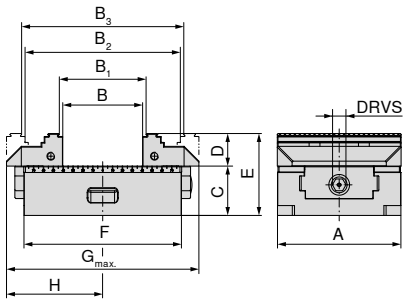
74 575 ...	PG 2D/80
£	£
02537	368.74 258.05
02535	486.92 340.93



CentriClamp – ZSG 4

- ▲ Sealed centric vice
- ▲ With grip jaws, 3 mm
- ▲ Ball bearing mounted spindle
- ▲ ± 0.01 mm repeatability
- ▲ Suitable for PNG and MNG

ZSG 4 WNT \ Standard



A	B	B ₁	B ₂	B ₃	C _{±0.01}	D	E	F	G _{max}	H	DRVS	MXC	WT
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg
80	0 - 59	4 - 63	59 - 117	63 - 121	50	28	78	130	157	81	12	25	3.9
80	0 - 123	4 - 127	59 - 181	63 - 185	50	28	78	190	206	104	12	25	5.5
125	0 - 80	8 - 87	77 - 156	84 - 163	50	33	83	160	208	111	12	35	8.7

80 878 ...	PG	Y4
	£	£
08700	747.04	681.85
08800	854.04	786.75
15300	943.05	891.65

Base plate, round



80 899 ...	PG	Y4
	£	£
125	549.63	398.62

MNG indexing bolt



80 899 ...	PG	Y4
	£	£
51500	46.78	11.54

MNG pull studs



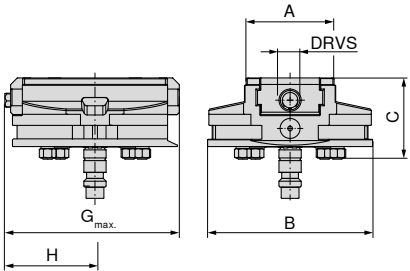
80 899 ...	PG	Y4
	£	£
025	47.24	33.57

It is not possible to fit top jaws with a height of 40 mm, if this height is required, please use the reversible jaws with D = 40 mm (Article No. 80 878 520).

CentriClamp – ZSG 4

- ▲ Sealed centric vice for Erowa ITS 148
- ▲ Ball bearing mounted spindle
- ▲ ± 0.01 mm repeatability

ZSG 4 WNT \ Standard



A	C	F	G _{max}	DRVS	MXC	WT
mm	mm	mm	mm	mm	kN	kg
80	73	148	130	12	25	5,6

80 878 ...	PG	Y4
	£	£
08900	1,315.45	1,153.90



MADE IN SHEFFIELD

Talk to us about your special workholding requirements



Technical support: 0800 073 2 075
3 time served engineers,
available from 8:00 am to 6:00 pm, Monday to Friday
Email: techsupport.uk@ceratizit.com



Order by 6:00 pm and get your
guaranteed free express delivery



When you see this logo it's
in stock in Sheffield

CERATIZIT
TECH CENTRE



BESPOKE FIXTURING
ALL MADE IN TECH CENTRE SHEFFIELD

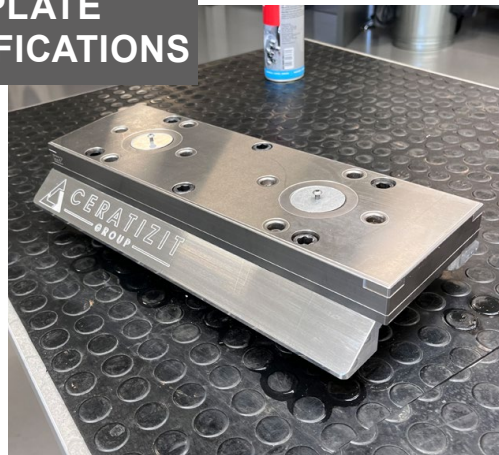
PYRAMIDS



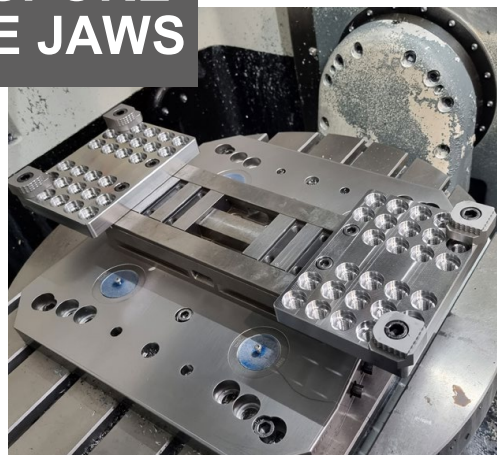
TOMBSTONE



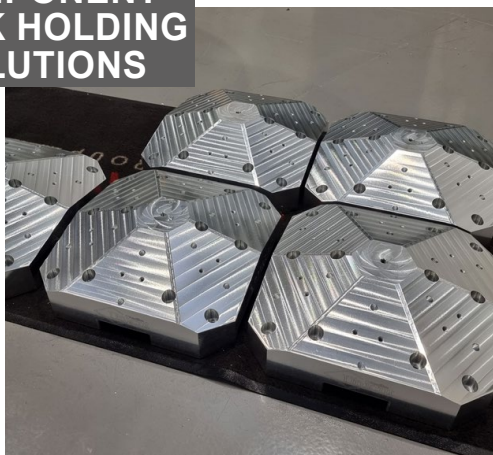
ZERO POINT
PLATE
MODIFICATIONS



BESPOKE
VICE JAWS



MULTIPLE
COMPONENT
WORK HOLDING
SOLUTIONS



TALK TO US ABOUT
YOUR SPECIAL
WORKHOLDING
REQUIREMENTS



CERATIZIT
GROUP
Welcome to the
Sheffield Technical Centre



Sustainability is not a goal, it's a mission

Together for sustainability

Leading in sustainability by 2025

Our mission is just as clear as it is difficult to accomplish. By 2025, we aim to be the sustainability leader for the hard metals and cutting tool industry. To meet this ambitious objective and become truly sustainable, we are implementing an array of sustainability measures along the entire value chain. However, we're not just keeping our sustainability ethos in-house, it will help set new standards for cooperating with partners moving forward.



Climate neutral by 2025

We recognise our responsibility to be good stewards to the climate and are going to great lengths to keep our carbon footprint to a minimum. The United Nations' Sustainable Development Goals aim to achieve net-zero carbon emissions by 2050. We think we can do better and are striving to be net-zero by 2040.

- ▲ **By 2025:** Carbon neutral, emissions reduced by 35%
- ▲ **By 2030:** Combined reduction of 60%
- ▲ **By 2040:** Net zero, emissions reduced by 75%



Minimise the use of virgin raw materials

To reduce the mining of virgin raw materials, our goal is to increase the share of raw materials remaining in the carbide production chain to over 95% by 2030 (based on scrap recycling rates of sintered products).



Read more about our sustainability approach on our website:

ceratizit.com

Our warehouse in your machine shop...

Access to cutting tools 24/7

With full control.

Major cashflow benefits

You only pay for the tools you use.

Zero obsolete stock

You don't get left with old cutting tool technology.

Major purchasing cost reduction

Only one consolidated invoice per month, with no management fee.

For all vending customers

We will collect your used carbide, recycle it back into our system and pay you a 10% premium on market rate for it, current rate £17 per Kg.



CERATIZIT UK & IRELAND LTD
Europa Link \ UK-Sheffield S9 1XU
Tel.: 0800 073 2 073
info.uk@ceratizit.com \ www.ceratizit.com

