

UP2DATE

ACCURATE CUTTING EDGE COOLING

**DirectCooling (DC) system
by CERATIZIT –
now for turning holders!**

... AND SOME MORE PRODUCTS

- ▲ Stationary 3-jaw chuck SBF-3 for
Clamping round components
- ▲ Inserts with wear detection for
turning ISO-P steels

TEAM CUTTING TOOLS



CUTTING SOLUTIONS BY
CERATIZIT



KOMET



KLENK

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

Tooling the Future

www.ceratzit.com

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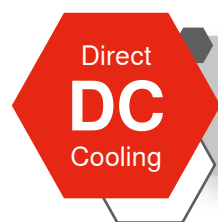
Tool holders with DirectCooling (DC)

Targeted coolant application on the cutting edge



Targeted action is half the battle

Machining without cutting fluids? It's hard to imagine in many cases because they are so efficient at cooling, lubricating and evacuating chips. But CERATIZIT has an even better alternative in the form of its DirectCooling system: two nozzles in the holder apply the coolant directly to the cutting edge – for cool machining results! Whereas a hose would typically direct liberal amounts of coolant towards the machining area, the DirectCooling (DC) system from CERATIZIT takes a different approach. Tool holders with DirectCooling (DC) are equipped with two inner holes that guide the coolant to where it has the greatest impact: directly on the cutting edge. Why is this so important? Targeted cooling improves both the service life and general process security.

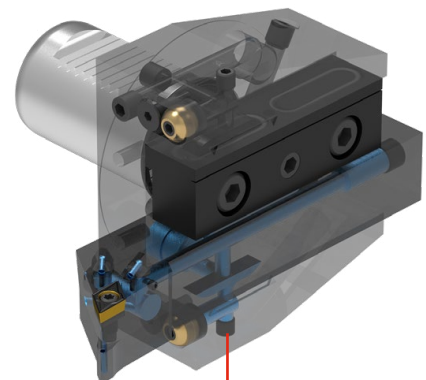


- ▲ Fewer trapped chips
- ▲ Reduced wear
- ▲ Universal application

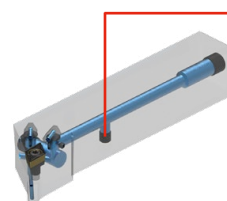
Advantage/benefit

The lengths of all CERATIZIT DirectCooling holders are ideally matched to one another. As a result...

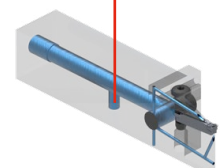
- ▲ Interference contours are eliminated
- ▲ A compact complete package is created
- ▲ Optimum stability is reached
- ▲ Unlimited flexibility is achieved



VDI square adapters – DC



Rotating holder:
MaxiLock – S-DC

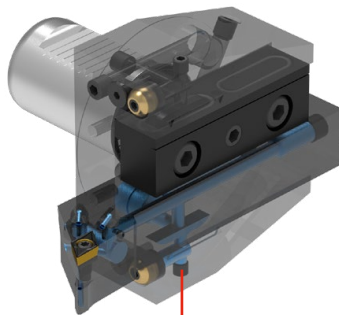


Grooving tool holder:
MonoClamp – GX-DC

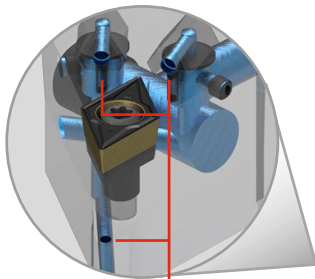


MaxiLock – S-DC rotating holder with DirectCooling

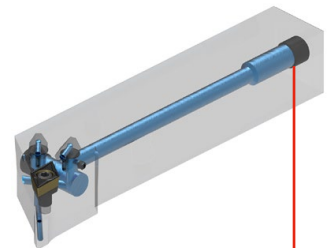
Three nozzles for the ultimate cooling effect



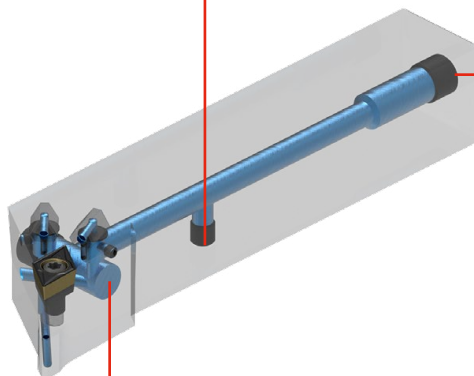
Coolant transfer from below via adapter possible



Triple cooling
(rake face and flank)



G1/8" rear coolant connection



G1/8" lateral coolant connection

Direct
DC
Cooling

- ▲ Fewer trapped chips
- ▲ Reduced wear
- ▲ Universal application



cuttingtools.ceratzit.com/en/gb/direct-cooling

Features

- ▲ The new MaxiLock – S-DC tool holders improve both your process security and the service life of the tool cutting edges with targeted cooling.
- ▲ The revamped insert seat ensures increased stability when clamping the indexable insert.
- ▲ In combination with our flexible VDI adapters, the coolant transfer of the machine occurs unseen, without the hassle of a connection.

Test Report

Material:

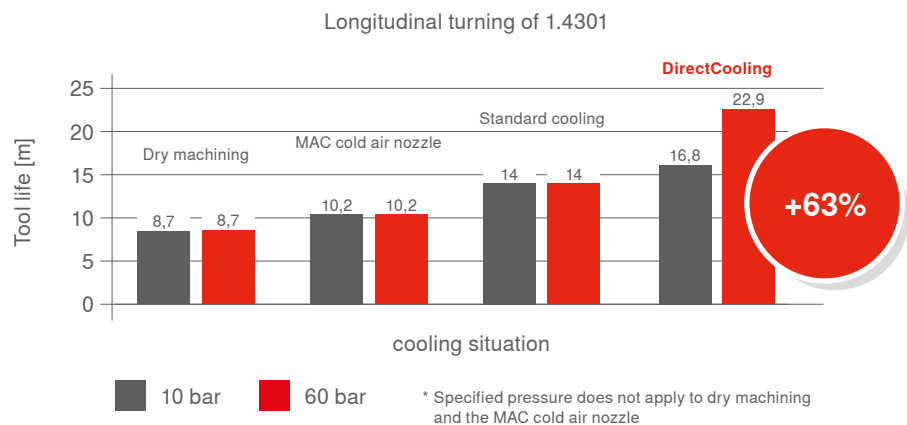
1.4301 – X5CrNi18-10

Cutting data:

f 0.25 mm/rev
 a_p 2.00 mm
 v_c 200 m/min

Insert:

CCMT 120408EN-M55 CTPM125



Result: With the DirectCooling cooling system, the tool life can be increased by **63 %** compared to a conventional cooling situation.

What's interesting here is that the lower coolant hole on the flank of the indexable insert has a considerable influence on the tool life. While cooling exclusively through the upper two nozzles gives rise to an improvement of just 22 %, flank cooling achieves an increase of 54 % compared to standard cooling!



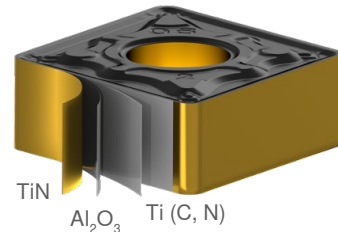
Further information can be found on → Pages 40–55

Steel machining made easy

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



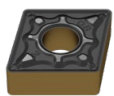
Machining with no compromises – with the CERATIZIT ISO-P carbide grades update



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:

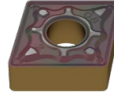
NEW



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

NEW



CTCP135-P

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

DRAGONSKIN

NEW



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

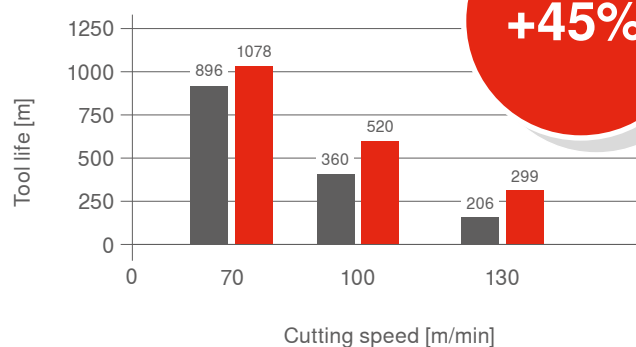
DRAGONSKIN



Test Report

Insert: CNMG 120408EN-M50
Material: 1.2343 – X37CrMoV 5-1 44 HRC
Cutting data:
 v_c 70-130 m/min
 f 0.35 mm/rev
 a_p 2 mm

cuttingtools.ceratizit.com/gb/en/iso-p-grades



Performance increase of the new grades:

Cutting speed v_c	Increase in %
70 m/min	20
100 m/min	44
130 m/min	45

Result: Depending on the cutting speed, an increase in performance of up to **45%** can be achieved with the new CTCP115-P grade.



CTCP115 → 10 cuts



CTCP115-P → 1 cut

Wear detection means that optimum utilisation of the multi-edged indexable insert can be identified with a quick glance at the cutting edges. Wear on the cutting edges is also easier to see and easier for the machine operator to identify.



Further information can be found on → Pages 16–39

DRAGONSKIN



Stationary 3-jaw chuck

Hotly anticipated – now also for round components



Further information can be
found on → Page 62–64

New SBF-3 stationary 3-jaw chuck from CERATIZIT

Machining round components has become daily routine for many companies. The right clamping system is often a game changer for a successful machining result. CERATIZIT now has a brand-new solution in the portfolio with its SBF-3 stationary 3-jaw chuck – fully compatible with the in-house MNG and PNG zero point clamping systems for rapid, uncomplicated handling.



SBF-3 Ø 200 mm

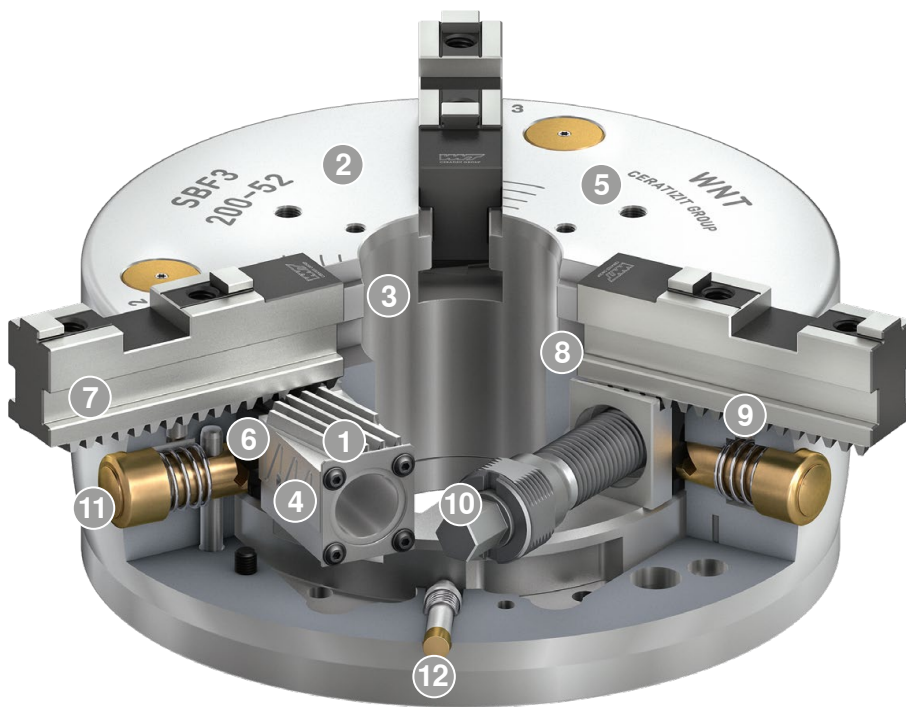


SBF-3 Ø 315 mm



cuttingtools.ceratizit.com/gb/en/sbf-3

Technical information – cross-section diagram



1 Wedge bar drive

Allows for excellent machining results

2 Hardened and extremely stiff base body

Longer service life with maximum precision as a result – even at the highest clamping force

3 Large through hole

For machining all common bar material diameters (optional: enlargement of through hole)

4 Optimised lubrication system

For high degree of efficiency

5 Mounting threads

For workpiece stops or cover plates

6 Quick jaw change system

Single release of jaws, meaning extremely short setup times

7 Base jaws with angled teeth (SFG)

8 Locking mechanism

Guarantees secure engagement of the base jaw teeth with the wedge bar teeth

9 Engagement pin

For pre-positioning the base jaw

10 Actuation via hex connection

Easier operation as a result

11 Pushbutton for jaw change

For extremely short setup times

12 Indicator pin

For visual stroke monitoring of the manual clamping chuck

Turning Holder with DirectCooling system

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KOMET Spindle Tooling

12+13 ABS adapters



Circular and Thread Milling

14+15 Type HR thread milling cutter



Turning Tools

16–39 CTCP135-P / CTCP125-P / CTCP115-P with indicator layer

40–55 MaxiLock – S rotating holder with DirectCooling



**Stationary
3-jaw chuck**



**ISO-P grades with
indicator layer**



Milling tools with indexable inserts

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Adapters and accessories

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61 Hydraulic chuck with ABS connection



Workpiece clamping

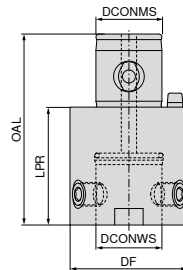
62–64 Stationary 3-jaw chuck

MicroKom – STM/ABS adapters

- ▲ using this adapter, STM core drilling and precision spindle systems can be accommodated reliably and precisely in ABS base adapters
- ▲ with thro' coolant supply

ABS

NEW



ABS Modular

62 359 ...

Adapter	SZID	DCONWS mm	DCONMS mm	DF mm	LPR mm	OAL mm	£ W4	
ABS 25	STM 14	14	13	25	30	50	204.57	02590
ABS 32	STM 18	18	16	32	40	63	205.92	03289
ABS 40	STM 22	22	20	40	40	66	235.71	04088
ABS 50	STM 28	28	28	50	50	81	255.78	05097
ABS 63	STM 36	36	34	63	60	98	277.83	06396



Positioning pin

84 950 ...



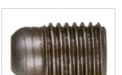
Pendulum bolt

84 950 ...



Coolant pipe

84 950 ...

Clamping screw
ST

62 950 ...

Spare parts DCONWS

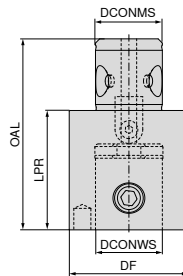
	£ XX		£ XX		£ XX		£ W7	
14	0.34	23600	19.69	26000	6.02	24400	M5x0,5x7,5	10.69 027
18	6.78	23700	14.64	26100	6.25	24500	M6x0,75x9,5	10.94 028
22	6.78	23800	20.54	26200	6.25	24600	M8x0,75x12	12.13 029
28	9.37	20200	25.63	20000	6.60	20100	M10x1x14,2	14.23 030
36	7.52	23900	23.95	26300	6.73	24700	M12x1x18	18.25 031

SpinTools – ABS/STM adapters

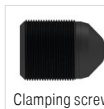
- ▲ using this adapter, ABS core drilling and precision spindle systems can be accommodated reliably and precisely in STM base adapters
- ▲ with thro' coolant supply

STM

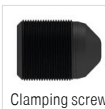
NEW

STM Modular
62 359 ...

Adapter	SZID	DCONWS mm	DCONMS mm	DF mm	LPR mm	OAL mm	£ W4	
STM 14	ABS 25	13	14	25	35	51	204.57	02519
STM 18	ABS 32	16	18	32	40	60	205.92	03218
STM 22	ABS 40	20	22	40	45	69	235.71	04017
STM 28	ABS 50	28	28	50	50	80	255.78	05016
STM 36	ABS 63	34	36	63	60	100	277.83	06315



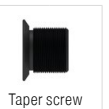
Clamping screw



Clamping screw



Driver

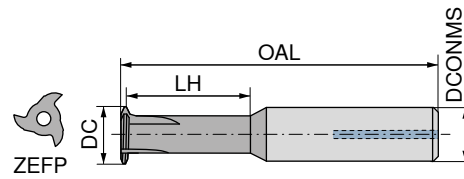
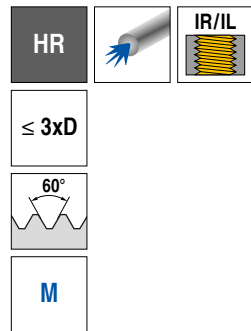


Taper screw

Spare parts

DCONWS	£ XX	62 950 ...	£ XX	84 950 ...	£ W7	62 950 ...	£ XX	84 950 ...
13			5.68	26800	30.22	036	8.22	27000
16	M8x1x12/SW4	9.47	13989		31.73	037	8.22	27100
20			6.43	26900	35.79	038	8.54	27200
28			8.63	20300	42.88	039	10.97	20400
34			8.22	25500	54.46	040	10.42	27300

Thread Milling Cutter



Solid carbide

Solid carbide

50 546 ...

50 547 ...

DC mm	Thread	TP mm	LH mm	DCONMS _{h6} mm	OAL mm	ZEFP	£ W1	£ W1
3.14	M4	0.70	9	6	55	3	150.50	152.80
3.95	M5	0.80	11	6	55	3	150.50	152.80
4.68	M6 - M7	1.00	16	8	60	3	153.80	156.20
6.22	M8 - M9	1.25	22	10	71	4	174.80	175.90
7.79	M10 - M12	1.50	26	10	76	4	175.90	178.20
9.38	M12	1.75	27	12	86	4	195.60	196.70
P							○	○
M							○	○
K							○	○
N							○	○
S							○	○
H							●	●
O							○	○



Other dimensions are available on request.

Cutting data approximate values

	Material sub-group	Index	Tensile strength N/mm ² / HB / HRC	HR thread milling cutter		
				50 546 ..., 50 547 ...		
				v_c	$< \varnothing 10$	$> \varnothing 10$
				m/min	f_z [mm/tooth]	
P	Unalloyed steel	P.1.1	420 N/mm ² / 125 HB	100	0,025	0,05
		P.1.2	640 N/mm ² / 190 HB	100	0,025	0,05
		P.1.3	840 N/mm ² / 250 HB	100	0,025	0,05
		P.1.4	910 N/mm ² / 270 HB	80	0,015	0,035
		P.1.5	1010 N/mm ² / 300 HB	80	0,015	0,035
	Low-alloy steel	P.2.1	610 N/mm ² / 180 HB	100	0,025	0,05
		P.2.2	930 N/mm ² / 275 HB	80	0,015	0,035
		P.2.3	1010 N/mm ² / 300 HB	80	0,015	0,035
		P.2.4	1200 N/mm ² / 375 HB	80	0,015	0,035
	High-alloy steel and high-alloy tool steel	P.3.1	680 N/mm ² / 200 HB	100	0,025	0,05
		P.3.2	1100 N/mm ² / 300 HB	80	0,015	0,035
		P.3.3	1300 N/mm ² / 400 HB	80	0,02	0,04
	Stainless steel	P.4.1	680 N/mm ² / 200 HB	80	0,02	0,04
		P.4.2	1010 N/mm ² / 300 HB	80	0,02	0,04
M	Stainless steel	M.1.1	610 N/mm ² / 180 HB	80	0,02	0,04
		M.2.1	300 HB	80	0,02	0,04
		M.3.1	780 N/mm ² / 230 HB	80	0,02	0,04
K	Grey cast iron	K.1.1	350 N/mm ² / 180 HB	120	0,03	0,09
		K.1.2	500 N/mm ² / 260 HB	120	0,03	0,09
	Spherulitic graphite cast iron	K.2.1	540 N/mm ² / 160 HB	100	0,02	0,05
		K.2.2	845 N/mm ² / 250 HB	100	0,02	0,05
	Malleable iron	K.3.1	440 N/mm ² / 130 HB	100	0,02	0,05
		K.3.2	780 N/mm ² / 230 HB	100	0,02	0,05
N	Aluminium wrought alloy	N.1.1	60 HB	350	0,05	0,1
		N.1.2	340 N/mm ² / 100 HB	350	0,05	0,1
	Cast aluminium alloy	N.2.1	250 N/mm ² / 75 HB	350	0,05	0,1
		N.2.2	300 N/mm ² / 90 HB	250	0,05	0,1
		N.2.3	440 N/mm ² / 130 HB	250	0,05	0,1
	Copper and copper alloys (bronze/brass)	N.3.1	375 N/mm ² / 110 HB	350	0,05	0,1
		N.3.2	300 N/mm ² / 90 HB	350	0,05	0,1
		N.3.3	340 N/mm ² / 100 HB	350	0,05	0,1
	Magnesium alloys	N.4.1	70 HB	350	0,05	0,1
S	Heat-resistant alloys	S.1.1	680 N/mm ² / 200 HB	40	0,02	0,05
		S.1.2	950 N/mm ² / 280 HB	20	0,02	0,05
		S.2.1	840 N/mm ² / 250 HB	20	0,02	0,05
		S.2.2	1180 N/mm ² / 350 HB			
		S.2.3	1080 N/mm ² / 320 HB			
	Titanium alloys	S.3.1	400 N/mm ²	100	0,02	0,05
		S.3.2	1050 N/mm ² / 320 HB	80	0,02	0,05
		S.3.3	1400 N/mm ² / 410 HB	80	0,02	0,05
H	Hardened steel	H.1.1	46–55 HRC	40	0,008	0,017
		H.1.2	56–60 HRC	25	0,005	0,012
		H.1.3	61–65 HRC			
		H.1.4	66–70 HRC			
	Chilled iron	H.2.1	400 HB	60	0,02	0,04
	Hardened cast iron	H.3.1	55 HRC	25	0,005	0,012
O	Non-metal materials	O.1.1	≤ 150 N/mm ²	120	0,04	0,1
		O.1.2	≤ 100 N/mm ²	120	0,04	0,1
		O.2.1	≤ 1000 N/mm ²	80	0,04	0,1
		O.2.2	≤ 1000 N/mm ²	80	0,04	0,1
		O.3.1		130	0,04	0,1

* Tensile strength

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CERATIZIT \ Performance

Premium quality tools for high performance.

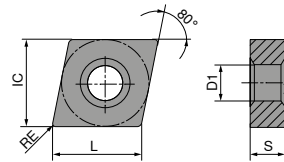
The premium quality tools from the **CERATIZIT Performance** product line have been designed for specific applications and are distinguished by their outstanding performance. If you make high demands on the performance of your production and want to achieve the very best results, we recommend the Premium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

Overview of inserts

			Material							Geometry								
			Steel	Stainless steel	Cast iron	Non-ferrous metals	Heat-resistant	Tempered steel	Non-metal materials									
			P	M	K	N	S	H	O	CN..	DN..	KN..	SN..	TN..	VN..	WN..		
Negative																		
Fine	-F40		●	○											27			
	-F50		●	○						17	20		22	25	27	28		
	-TFQ		●	○	○					17	20					28		
Medium	-XU		●	○						18	20				27	28		
	-M40		●	○											27			
	-M50		●	○	○					18	21		22	25	27	29		
	-TMQ		●	○						18	21					29		
	-M70		●	○	○					18	21		22+23	26		29		
Rough	-R28		●	○	○					19	21		23	26				
	-R58		●	○	○					19	21		24	26				
Positive																		
			P	M	K	N	S	H	O									
Fine	-SF		●	○	○					30	32		35		36		37	
Medium	-SMF		●	○	○					30	32		35		36		37	
	-SM		●	○	●					31	33	34	35		36		37	
	-SMQ		●	○	○					31	33							

CNMG / CNMM

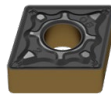
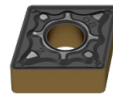
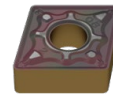
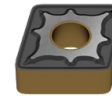
Designation	L mm	S mm	D1 mm	IC mm
CNMG 0903..	9.7	3.18	3.81	9.52
CNM. 1204..	12.9	4.76	5.16	12.70
CNM. 1606..	16.1	6.35	6.35	15.87
CNM. 1906..	19.3	6.35	7.94	19.05
CNMM 2509..	25.8	9.52	9.12	25.40



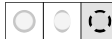
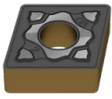
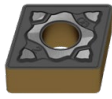
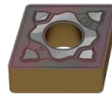
CNMG

		NEW		NEW		NEW		NEW		NEW	
		-F50 CTCP115-P		-F50 CTCP125-P		-F50 CTCP135-P		-TFQ CTCP115-P		-TFQ CTCP125-P	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
		F CNMG		F CNMG		F CNMG		F CNMG		F CNMG	
		76 132 ...		76 132 ...		76 132 ...		76 110 ...		76 110 ...	
		£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08	
ISO	RE mm										
090304EN	0.4	7.09	31601	7.11	51601	7.09	71601				
090308EN	0.8	7.09	31801	7.11	51801	7.09	71801				
120404EN	0.4	10.90	32801	10.90	52801	10.90	72801	12.50	32801	12.50	52801
120408EN	0.8	10.90	33001	10.90	53001	10.90	73001	12.50	33001	12.50	53001
120412EN	1.2	10.90	33201	10.90	53201	10.90	73201	12.50	32001	12.50	53201
P			•		•		•		•		•
M							○				
K			○		○				○		○
N											
S											
H											
O											

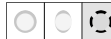
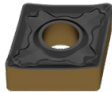
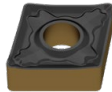
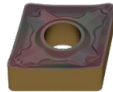
CNMG

		NEW		NEW		NEW		NEW		NEW		NEW	
		-XU CTCP115-P		-XU CTCP125-P		-M50 CTCP115-P		-M50 CTCP125-P		-M50 CTCP135-P		-TMQ CTCP115-P	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
													
													
		M CNMG		M CNMG		M CNMG		M CNMG		M CNMG		M CNMG	
		76 290 ...		76 290 ...		76 135 ...		76 135 ...		76 135 ...		76 196 ...	
ISO	RE mm	£		£		£		£		£		£	
120404EN	0.4	1A/08	32801	1A/08	52801	1A/08	32801	1A/08	52801	1A/08	72801		
120408EN	0.8	10.94	33001	10.94	53001	10.90	33001	10.90	53001	10.90	73001		
120412EN	1.2	10.94	33201	10.94	53201	10.90	32001	10.90	53201	10.90	73201	12.50	53001
120416EN	1.6					10.90	33401	10.90	53401	10.90	73401	12.50	53201
160608EN	0.8					17.62	34201	17.62	54201	17.62	74201		
160612EN	1.2					17.62	34401	17.62	54401	17.62	74401		
160616EN	1.6					17.62	34601	17.62	54601	17.62	74601		
P			•		•		•		•		•		•
M											○		
K			○		○		○		○			○	○
N													
S													
H													
O													

CNMG

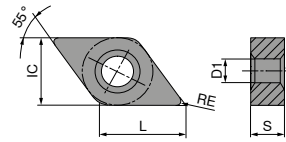
		NEW		NEW		NEW	
		-M70 CTCP115-P		-M70 CTCP125-P		-M70 CTCP135-P	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
							
							
		M CNMG		M CNMG		M CNMG	
		76 119 ...		76 119 ...		76 119 ...	
ISO	RE mm	£		£		£	
120408EN	0.8	1A/08	33001	1A/08	53001	1A/08	73001
120412EN	1.2	10.90	32001	10.90	53201	10.90	73201
120416EN	1.6	10.90	33401	10.90	53401	10.90	73401
160608EN	0.8	17.62	34201	17.62	54201	17.62	74201
160612EN	1.2	17.62	34401	17.62	54401	17.62	74401
160616EN	1.6	17.62	34601	17.62	54601	17.62	74601
160624EN	2.4	17.62	34801	17.62	54801	17.62	74801
190608EN	0.8	24.89	35401	24.89	55401	24.89	75401
190612EN	1.2	24.89	35601	24.89	55601	24.89	75601
190616EN	1.6	24.89	35801	24.89	55801	24.89	75801
190624EN	2.4	24.89	36001	24.89	56001	24.89	76001
P			•		•		•
M							○
K			○		○		
N							
S							
H							
O							

CNMM

		NEW		NEW		NEW		NEW		NEW		NEW	
		-R28 CTCP115-P		-R28 CTCP125-P		-R28 CTCP135-P		-R58 CTCP115-P		-R58 CTCP125-P		-R58 CTCP135-P	
		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin	
													
													
		R CNMM		R CNMM		R CNMM		R CNMM		R CNMM		R CNMM	
		76 114 ...		76 114 ...		76 114 ...		76 115 ...		76 115 ...		76 115 ...	
ISO	RE mm	£		£		£		£		£		£	
		1A/08		1A/08		1A/08		1A/08		1A/08		1A/08	
120408EN	0.8	11.10	33001	11.10	53001			11.10	33001	11.10	53001	11.10	73001
120412EN	1.2	11.10	33201	11.10	53201	11.10	73201	11.10	33201	11.10	53201	11.10	73201
120416EN	1.6	11.10	33401	11.10	53401	11.10	73401	11.10	33401	11.10	53401	11.10	73401
160612EN	1.2	17.62	34401	17.62	54401	17.62	74401	17.62	34401	17.62	54401	17.62	74401
160616EN	1.6	17.62	34601	17.62	54601	17.62	74601	17.62	34601	17.62	54601	17.62	74601
160624EN	2.4							17.62	34801	17.62	54801	17.62	74801
190612EN	1.2	24.89	35601	24.89	55601	24.89	75601	24.89	35601	24.89	55601	24.89	75601
190616EN	1.6	24.89	35801	24.89	55801	24.89	75801	24.89	35801	24.89	55801	24.89	75801
190624EN	2.4	24.89	36001	24.89	56001	24.89	76001	24.89	36001	24.89	52401	24.89	76001
250924EN	2.4	57.45	38401	57.45	58401	57.45	78401	57.45	38401	57.45	58401	57.45	78401
P			●		●		●		●		●		●
M							○						○
K			○		○				○		○		
N													
S													
H													
O													

DNMG / DNMM

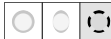
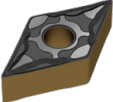
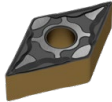
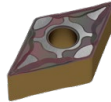
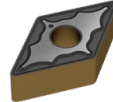
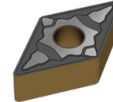
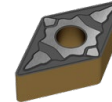
Designation	L mm	S mm	D1 mm	IC mm
DNMG 1104..	11.6	4.76	3.81	9.52
DNMG 1504..	15.5	4.76	5.16	12.70
DNM. 1506..	15.5	6.35	5.16	12.70



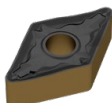
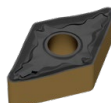
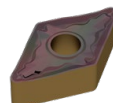
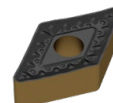
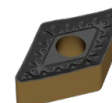
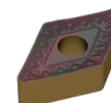
DNMG

		NEW		NEW		NEW		NEW		NEW		NEW	
		-F50		-F50		-F50		-TFQ		-TFQ		-XU	
		CTCP115-P		CTCP125-P		CTCP135-P		CTCP115-P		CTCP125-P		CTCP115-P	
		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin	
		F		F		F		F		F		M	
		DNMG		DNMG		DNMG		DNMG		DNMG		DNMG	
		76 134 ...		76 134 ...		76 134 ...		76 153 ...		76 153 ...		76 291 ...	
ISO	RE mm	£		£		£		£		£		£	
110402EN	0.2	11.63	30201	11.63	50201	11.63	70201						
110404EN	0.4	11.63	30401	11.63	50401	11.63	70401						
110408EN	0.8	11.63	30601	11.63	50601	11.63	70601						
110412EN	1.2	11.63	30801	11.63	50801	11.63	70801						
150404EN	0.4	14.10	31601	14.10	51601	14.10	71601						
150408EN	0.8	14.10	31801	14.10	51801	14.10	71801						
150412EN	1.2	14.10	32001	14.10	52001	14.10	72001						
150604EN	0.4	15.28	32801	15.28	52801	15.28	72801	17.62	32801	17.62	52801	15.28	32801
150608EN	0.8	15.28	33001	15.28	53001	15.28	73001	17.62	33001	17.62	53001	15.28	33001
150612EN	1.2	15.28	33201	15.28	53201	15.28	73201					15.28	33201
P			•		•		•		•		•		•
M							○						
K			○		○				○		○		○
N													
S													
H													
O													

DNMG

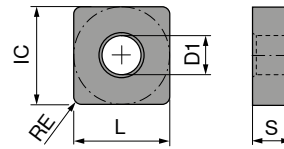
		NEW		NEW		NEW		NEW		NEW		NEW	
		-M50		-M50		-M50		-TMQ		-M70		-M70	
		CTCP115-P		CTCP125-P		CTCP135-P		CTCP125-P		CTCP115-P		CTCP125-P	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
													
													
		M		M		M		M		M		M	
		DNMG		DNMG		DNMG		DNMG		DNMG		DNMG	
		76 136 ...		76 136 ...		76 136 ...		76 197 ...		76 263 ...		76 263 ...	
ISO	RE	£		£		£		£		£		£	
	mm	1A/08		1A/08		1A/08		1A/08		1A/08		1A/08	
110404EN	0.4	11.63	30401	11.63	50401	11.63	70401			11.63	30601	11.63	50601
110408EN	0.8	11.63	30601	11.63	50601	11.63	70601			11.63	30801	11.63	50801
110412EN	1.2	11.63	30801	11.63	50801	11.63	70801			11.63	31001	11.63	51001
150404EN	0.4	14.10	31601	14.10	51401	14.10	71601			14.10	31801	14.10	51801
150408EN	0.8	14.10	31801	14.10	51801	14.10	71801			14.10	32001	14.10	52001
150412EN	1.2	14.10	32001	14.10	52001	14.10	72001			14.10	32201	14.10	52201
150416EN	1.6	14.10	32201	14.10	52201	14.10	72201			14.10	32401	14.10	52401
150604EN	0.4	15.28	32801	15.28	52801	15.28	72801			15.28	33001	15.28	53001
150608EN	0.8	15.28	33001	15.28	53001	15.28	73001	17.62	53001	15.28	33201	15.28	53201
150612EN	1.2	15.28	33201	15.28	53201	15.28	73201	17.62	53201	15.28	33401	15.28	53401
150616EN	1.6	15.28	33401	15.28	53401	15.28	73401			15.28	33601	15.28	53601
P			•		•		•		•		•		•
M							○						○
K			○		○				○		○		○
N													
S													
H													
O													

DNMM

		NEW		NEW		NEW		NEW		NEW		NEW	
		-R28		-R28		-R28		-R58		-R58		-R58	
		CTCP115-P		CTCP125-P		CTCP135-P		CTCP115-P		CTCP125-P		CTCP135-P	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
													
													
		R		R		R		R		R		R	
		DNMM		DNMM		DNMM		DNMM		DNMM		DNMM	
		76 165 ...		76 165 ...		76 165 ...		76 166 ...		76 166 ...		76 166 ...	
ISO	RE	£		£		£		£		£		£	
	mm	1A/08		1A/08		1A/08		1A/08		1A/08		1A/08	
150612EN	1.2	15.28	33201	15.28	53201	15.28	73201	15.28	33201	15.28	53201	15.28	73201
150616EN	1.6	15.28	33401	15.28	53401	15.28	73401	15.28	33401	15.28	53401	15.28	73401
P			•		•		•		•		•		•
M							○						○
K			○		○				○		○		○
N													
S													
H													
O													

SNMG / SNMM

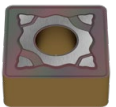
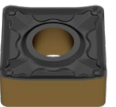
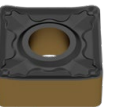
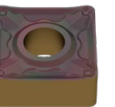
Designation	L mm	S mm	D1 mm	IC mm
SNMG 0903..	9.52	3.18	3.81	9.52
SNM. 1204..	12.70	4.76	5.16	12.70
SNM. 1506..	15.87	6.35	6.35	15.87
SNM. 1906..	19.05	6.35	7.94	19.05
SNMM 2507..	25.40	7.94	9.12	25.40
SNMM 2509..	25.40	9.52	9.12	25.40



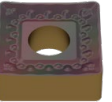
SNMG

		NEW		NEW		NEW		NEW		NEW		NEW	
		-F50 CTCP115-P		-F50 CTCP125-P		-F50 CTCP135-P		-M50 CTCP115-P		-M50 CTCP125-P		-M50 CTCP135-P	
		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin	
		F SNMG		F SNMG		F SNMG		M SNMG		M SNMG		M SNMG	
		76 140 ...		76 140 ...		76 140 ...		76 137 ...		76 137 ...		76 137 ...	
ISO	RE mm	£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08	
090308EN	0.8	7.09	30601	7.09	50601	7.09	70601						
120404EN	0.4	11.10	31601	11.10	51601	11.10	71601						
120408EN	0.8	11.10	31801	11.10	51801	11.10	71801	11.10	31801	11.10	51801	11.10	71801
120412EN	1.2	11.10	32001	11.10	52001	11.10	72001	11.10	32001	11.10	52001	11.10	72001
120416EN	1.6							11.10	32201	11.10	52201	11.10	72201
150608EN	0.8							17.62	53001	17.62	73001		
150608EN	1.6							17.62	33001				
150612EN	1.2							17.62	33201	17.62	53201	17.62	73201
150616EN	1.6							17.62	33401	17.62	53401	17.62	73401
190612EN	1.2											24.89	34401
190616EN	1.6											24.89	34601
190624EN	2.4											24.89	34801
P			•		•		•		•		•		•
M							○						○
K			○		○				○		○		○
N													
S													
H													
O													

SNMG / SNMM

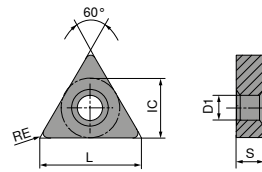
		NEW		NEW		NEW		NEW		NEW	
		-M70 CTCP125-P		-M70 CTCP135-P		-R28 CTCP115-P		-R28 CTCP125-P		-R28 CTCP135-P	
		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin	
											
											
		M SNMG		M SNMG		R SNMM		R SNMM		R SNMM	
		76 225 ...		76 225 ...		76 128 ...		76 128 ...		76 128 ...	
ISO	RE mm	£		£		£		£		£	
120408EN	0.8	1A/08		1A/08		1A/08		1A/08		1A/08	
120412EN	1.2	11.10	51801	11.10	71801						
120416EN	1.6	11.10	52001	11.10	72001						
		11.10	52201	11.10	72201						
150612EN	1.2	17.62	53201	17.62	73201	17.62	33201	17.62	53201	17.62	73201
150616EN	1.6	17.62	53401	17.62	73401	17.62	33401	17.62	53401	17.62	73401
190612EN	1.2	24.89	54401	24.89	74401						
190616EN	1.6	24.89	54601	24.89	74601	24.89	34601	24.89	54601	24.89	74601
190624EN	2.4	24.89	54801	24.89	74801						
250724EN	2.4									48.91	76001
250924EN	2.4					57.45	37001	57.45	57001	57.45	77001
P			•		•		•		•		•
M					○						○
K			○				○		○		
N											
S											
H											
O											

SNMM

		NEW		NEW		NEW	
		-R58 CTCP115-P		-R58 CTCP125-P		-R58 CTCP135-P	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
							
							
		R SNMM		R SNMM		R SNMM	
		76 129 ...		76 129 ...		76 129 ...	
ISO	RE mm	£ 1A/08		£ 1A/08		£ 1A/08	
120408EN	0.8	11.10	31801	11.10	51801	11.10	71801
120412EN	1.2	11.10	32001	11.10	52001	11.10	72001
150612EN	1.2	17.62	33201	17.62	53201	17.62	73201
150616EN	1.6	17.62	33401	17.62	53401	17.62	73401
190612EN	1.2	24.89	34401	24.89	54401	24.89	74401
190616EN	1.6	24.89	34601	24.89	54601	24.89	74601
190624EN	2.4	24.89	34801	24.89	54801	24.89	74801
250724EN	2.4	48.91	36001	48.91	56001	48.91	76001
250924EN	2.4	57.45	37001	57.45	57001	57.45	77001
P			●		●		●
M							○
K			○		○		○
N							
S							
H							
O							

TNMG / TNMM

Designation	L mm	S mm	D1 mm	IC mm
TNMG 1103..	11.0	3.18	2.26	6.35
TNMG 1604..	16.5	4.76	3.81	9.52
TNM. 2204..	22.0	4.76	5.16	12.70



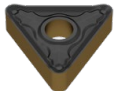
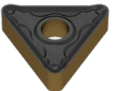
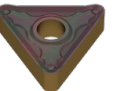
TNMG

		NEW		NEW		NEW		NEW		NEW	
		-F50		-F50		-F50		-M50		-M50	
		CTCP115-P		CTCP125-P		CTCP135-P		CTCP115-P		CTCP125-P	
		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin	
		F		F		F		M		M	
		TNMG		TNMG		TNMG		TNMG		TNMG	
		76 146 ...		76 146 ...		76 146 ...		76 138 ...		76 138 ...	
		£		£		£		£		£	
		1A/08		1A/08		1A/08		1A/08		1A/08	
ISO	RE mm										
110304EN	0.4	6.14	30401	6.14	50401	6.14	70401				
110308EN	0.8	6.14	30601	6.14	50601	6.14	70601				
160404EN	0.4	9.73	31601	9.73	51601	9.73	71601	9.73	31601	9.73	51601
160408EN	0.8	9.73	31801	9.73	51801	9.73	71801	9.73	31801	9.73	51801
160412EN	1.2	9.73	32001	9.73	52001	9.73	72001	9.73	32001	9.73	52001
220408EN	0.8							13.14	33001	13.14	53001
220412EN	1.2							13.14	33201	13.14	53201
P			•		•		•		•		•
M							○				○
K			○		○				○		○
N											
S											
H											
O											

TNMG

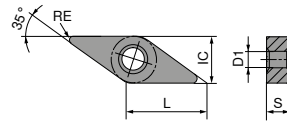
		NEW		NEW		NEW		NEW	
		-M70 CTCP115-P		-M70 CTCP125-P		-M70 CTCP135-P		CTCP125-P	
		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin	
									
		M TNMG		M TNMG		M TNMG		M TNMG	
		76 155 ...		76 155 ...		76 155 ...		76 142 ...	
ISO	RE mm	£		£		£		£	
160404ER	0.4	1A/08		1A/08		1A/08		1A/08	
160408EL	0.8							9.73	51601
160408EN	0.8	9.73	31801	9.73	51801	9.73	71801	9.73	51801
160408ER	0.8							9.73	51701
160412EN	1.2	9.73	32001	9.73	52001	9.73	72001		
220404EN	0.4			13.14	52801				
220408EN	0.8	13.14	33001	13.14	53001	13.14	73001		
220412EN	1.2	13.14	33201	13.14	53201	13.14	73201		
220416EN	1.6	13.14	33401	13.14	53401	13.14	73401		
P			•		•		•		•
M							○		
K			○		○				○
N									
S									
H									
O									

TNMM

		NEW		NEW		NEW		NEW		NEW	
		-R28 CTCP115-P		-R28 CTCP125-P		-R28 CTCP135-P		-R58 CTCP115-P		-R58 CTCP125-P	
		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin	
											
		R TNMM		R TNMM		R TNMM		R TNMM		R TNMM	
		76 154 ...		76 154 ...		76 154 ...		76 152 ...		76 152 ...	
ISO	RE mm	£		£		£		£		£	
220412EN	1.2	1A/08		1A/08		1A/08		1A/08		1A/08	
220416EN	1.6	13.14	33401	13.14	53401	13.14	73401	13.14	33201	13.14	53201
										13.14	73201
P			•		•		•		•		•
M							○				○
K			○		○				○		○
N											
S											
H											
O											

VNMG

Designation	L mm	S mm	D1 mm	IC mm
VNMG 1604..	16.6	4.76	3.81	9.52



VNMG

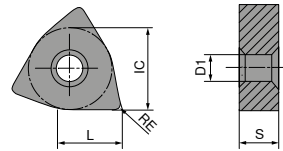
		NEW		NEW		NEW		NEW	
		-F40 CTCP125-P		-F50 CTCP115-P		-F50 CTCP125-P		-F50 CTCP135-P	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
		F VNMG		F VNMG		F VNMG		F VNMG	
		76 000 ...		76 156 ...		76 156 ...		76 156 ...	
		£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08	
		19.65 51601		19.65 31601		19.65 51601		19.65 71601	
		19.65 51801		19.65 31801		19.65 51801		19.65 71801	
ISO	RE mm								
160404EN	0.4								
160408EN	0.8								
P									
M									
K									
N									
S									
H									
O									

VNMG

		NEW		NEW		NEW		NEW		NEW	
		-XU CTCP115-P		-XU CTCP125-P		-M40 CTCP125-P		-M50 CTCP115-P		-M50 CTCP125-P	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
		M VNMG		M VNMG		M VNMG		M VNMG		M VNMG	
		76 294 ...		76 294 ...		76 001 ...		76 131 ...		76 131 ...	
		£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08	
		19.60 31601		19.60 51601		19.65 51601		19.65 31601		19.65 51601	
		19.60 31801		19.60 51801		19.65 51801		19.65 31801		19.65 51801	
								19.65 32001		19.65 52001	
ISO	RE mm										
160404EN	0.4										
160408EN	0.8										
160408EN	0.4										
160412EN	1.2										
P											
M											
K											
N											
S											
H											
O											

WNMG

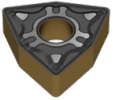
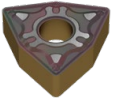
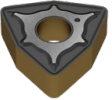
Designation	L mm	S mm	D1 mm	IC mm
WNMG 0604..	6.5	4.76	3.81	9.52
WNMG 0804..	8.6	4.76	5.16	12.70



WNMG

		NEW		NEW		NEW		NEW		NEW		NEW	
		-F50		-F50		-F50		-TFQ		-TFQ		-XU	
		CTCP115-P		CTCP125-P		CTCP135-P		CTCP115-P		CTCP125-P		CTCP115-P	
		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin	
		F		F		F		F		F		M	
		WNMG		WNMG		WNMG		WNMG		WNMG		WNMG	
		76 157 ...		76 157 ...		76 157 ...		76 177 ...		76 177 ...		76 295 ...	
		£		£		£		£		£		£	
		1A/08		1A/08		1A/08		1A/08		1A/08		1A/08	
ISO	RE mm												
060404EN	0.4	9.50	30401	9.50	50401	9.50	70401	10.99	30401	10.99	51401		
060408EN	0.8	9.50	30601	9.50	50601	9.50	70601	10.99	30601	10.99	50601		
080404EN	0.4	11.96	31601	11.96	51601	11.96	71601					11.97	31601
080408EN	0.8	11.96	31801	11.96	51801	11.96	71801	13.77	31801	13.77	51801	11.97	31801
080412EN	1.2	11.96	32001	11.96	52001	11.96	72001	13.77	32001	13.77	52001	11.97	32001
P			•		•		•		•		•		•
M							○						
K			○		○				○		○		○
N													
S													
H													
O													

WNMG

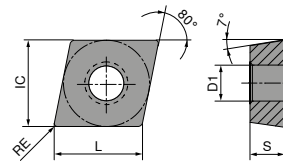
		NEW		NEW		NEW		NEW		NEW	
		-M50 CTCP115-P		-M50 CTCP125-P		-M50 CTCP135-P		-TMQ CTCP115-P		-TMQ CTCP125-P	
		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin	
											
											
		M WNMG		M WNMG		M WNMG		M WNMG		M WNMG	
		76 139 ...		76 139 ...		76 139 ...		76 198 ...		76 198 ...	
ISO	RE mm	£		£		£		£		£	
		1A/08		1A/08		1A/08		1A/08		1A/08	
060404EN	0.4	9.50	30401	9.50	50401	9.50	70401				
060408EN	0.8	9.50	30601	9.50	50601	9.50	70601				
060412EN	1.2	9.50	30801	9.50	50801	9.50	70801				
080404EN	0.4	11.96	31601	11.96	51601	11.96	71601				
080408EN	0.8	11.96	31801	11.96	51801	11.96	71801	13.77	31801	13.77	51801
080412EN	1.2	11.96	32001	11.96	52001	11.96	72001	13.77	32001	13.77	52001
080416EN	1.6	11.96	32201	11.96	52201	11.96	72201				
P			•		•		•		•		•
M							○				
K			○		○				○		○
N											
S											
H											
O											

WNMG

		NEW		NEW		NEW	
		-M70 CTCP115-P		-M70 CTCP125-P		-M70 CTCP135-P	
		DRAGONSkin		DRAGONSkin		DRAGONSkin	
							
							
		M WNMG		M WNMG		M WNMG	
		76 273 ...		76 273 ...		76 273 ...	
ISO	RE mm	£		£		£	
		1A/08		1A/08		1A/08	
060408EN	0.8	9.50	30601	9.50	50601	9.50	70601
060412EN	1.2	9.50	30801	9.50	50801	9.50	70801
080408EN	0.8	11.96	31801	11.96	51801	11.96	71801
080412EN	1.2	11.96	32001	11.96	52001	11.96	72001
080416EN	1.6	11.96	32201	11.96	52201	11.96	72201
P			•		•		•
M							○
K			○		○		
N							
S							
H							
O							

CCGT / CCMT

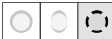
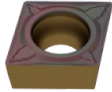
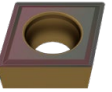
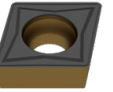
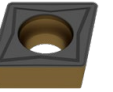
Designation	L mm	S mm	D1 mm	IC mm
CC.T 0602..	6.4	2.38	2.8	6.35
CCMT 09T3..	9.7	3.97	4.4	9.52
CCMT 09T3..	9.7	9.70	4.4	9.52
CCMT 1204..	12.9	4.76	5.5	12.70
CCMT 1204..	12.9	12.90	5.5	12.70



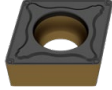
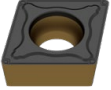
CCGT / CCMT

		NEW		NEW		NEW		NEW		NEW		NEW	
		-SF		-SF		-SF		-SF		-SF		-SMF	
		CTCP125-P		CTCP135-P		CTCP115-P		CTCP125-P		CTCP135-P		CTCP115-P	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
		F		F		F		F		F		F	
		CCGT		CCGT		CCMT		CCMT		CCMT		CCMT	
		76 251 ...		76 251 ...		76 253 ...		76 253 ...		76 253 ...		76 249 ...	
ISO	RE mm	£		£		£		£		£		£	
		1A/08		1A/08		1A/08		1A/08		1A/08		1A/08	
060202EN	0.2	13.23	50201	13.23	70201								
060204EN	0.4					7.42	30401	7.42	50401	7.42	70401		7.42 50401
060208EN	0.8												7.42 50601
09T304EN	0.4					9.26	31601	9.26	51601	9.26	71601	9.26	31601 51601
09T308EN	0.8					9.26	31801	9.26	51801			9.26	31801 51801
120404EN	0.4							13.04	52801				13.04 52801
120408EN	0.8							13.04	53001			13.04	33001
P			●		●		●		●		●		●
M					○						○		
K			○				○		○				○
N													
S													
H													
O													

CCMT / CCGT

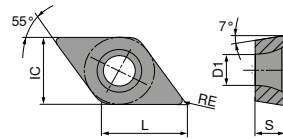
		NEW		NEW		NEW		NEW		NEW	
		-SMF CTCP135-P		-SM CTCP125-P		-SM CTCP135-P		-SM CTCP115-P		-SM CTCP125-P	
		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin		DRAGONSkin	
											
											
		F CCMT		M CCGT		M CCGT		M CCMT		M CCMT	
		76 249 ...		76 250 ...		76 250 ...		76 252 ...		76 252 ...	
ISO	RE mm	£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08	
060202EN	0.2			13.23 50201		13.23 70201		7.42 30401		7.42 50401	
060204EN	0.4	7.42 70401						7.42 30601		7.42 50601	
060208EN	0.8										
09T304EN	0.4	9.26 71601						9.26 31601		9.26 51601	
09T308EN	0.8							9.26 31801		9.26 51801	
120404EN	0.4							13.04 32801		13.04 52801	
120408EN	0.8	13.04 73001						13.04 33001		13.04 53001	
120412EN	1.2							13.04 53201			
P		●		●		●		●		●	
M		○		○		○		○		○	
K				○				○		○	
N											
S											
H											
O											

CCMT

		NEW		NEW	
		-SMQ CTCP115-P		-SMQ CTCP125-P	
		DRAGONSkin		DRAGONSkin	
					
					
		F CCMT		F CCMT	
		76 194 ...		76 194 ...	
ISO	RE mm	£ 1A/08		£ 1A/08	
09T304EN	0.4	10.42 31601		10.42 51601	
09T308EN	0.8	10.42 31801		10.42 51801	
120404EN	0.4	14.64 32801		14.64 52801	
120408EN	0.8	14.64 33001		14.64 53001	
P		●		●	
M					
K				○	
N					
S					
H					
O					

DCGT / DCMT

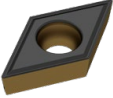
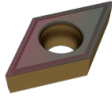
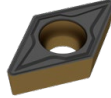
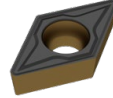
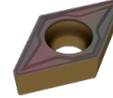
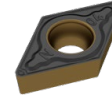
Designation	L mm	S mm	D1 mm	IC mm
DC.T 0702..	7.75	2.38	2.8	6.35
DCMT 11T3..	11.60	3.97	4.4	9.52



DCGT / DCMT

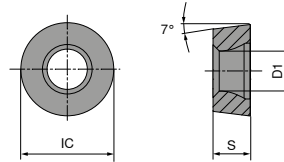
		NEW		NEW		NEW		NEW		NEW		NEW	
		-SF CTCP125-P		-SF CTCP115-P		-SF CTCP125-P		-SF CTCP135-P		-SMF CTCP115-P		-SMF CTCP125-P	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
		F DCGT		F DCMT		F DCMT		F DCMT		F DCMT		F DCMT	
		76 257 ...		76 259 ...		76 259 ...		76 259 ...		76 265 ...		76 265 ...	
		£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08	
ISO	RE mm	13.23		7.42		7.42		7.42		7.42		7.42	
070202EN	0.2	50201		30401		50401		70401		50401		70401	
070204EN	0.4									50401		70601	
070208EN	0.8												
11T304EN	0.4			31601		51601		71601		31601		51601	
11T308EN	0.8			31801		51801		71801		31801		51801	
P		●		●		●		●		●		●	
M								○					
K		○		○		○				○		○	
N													
S													
H													
O													

DCGT / DCMT

		NEW		NEW		NEW		NEW		NEW		NEW	
		-SM		-SM		-SM		-SM		-SMQ		-SMQ	
		CTCP125-P		CTCP135-P		CTCP115-P		CTCP125-P		CTCP135-P		CTCP115-P	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
													
													
		M		M		M		M		M		M	
		DCGT		DCGT		DCMT		DCMT		DCMT		DCMT	
		76 256 ...		76 256 ...		76 258 ...		76 258 ...		76 258 ...		76 195 ...	
		£		£		£		£		£		£	
		1A/08		1A/08		1A/08		1A/08		1A/08		1A/08	
ISO	RE												
	mm												
070202EN	0.2	13.23 50201		13.23 70201									
070204EN	0.4					7.42 30401		7.42 50401		7.42 70401		8.46 30401	
070208EN	0.8					7.42 30601		7.42 50601		7.42 70601			
11T304EL	0.4							10.44 51601		10.44 71601		11.63 51601	
11T304EN	0.4											11.63 51501	
11T304EN	0.4					10.44 31601							
11T304ER	0.4											11.63 51701	
11T308EN	0.8					10.44 31801		10.44 51801		10.44 71801		11.63 51801	
11T312EN	1.2							10.44 52001					
P		●		●		●		●		●		●	
M				○						○			
K		○				○		○				○	
N													
S													
H													
O													

RCMT / RCGT

Designation	S mm	D1 mm	IC mm
RCGT 0602..	2.38	2.8	6
RCGT 0803..	3.18	3.4	8
RCMT 1003..	3.18	4.0	10
RCMT 1204..	4.76	4.9	12
RCMT 1606..	6.35	5.3	16
RCMT 2006..	6.35	6.5	20
RCMT 2507..	7.94	7.2	25

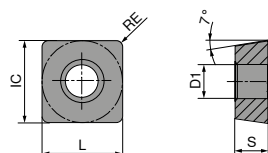


RCMT / RCGT

ISO	RE mm	NEW		NEW		NEW		NEW		NEW	
		-SM CTCP115-P	DRAGONS KIN	-SM CTCP125-P	DRAGONS KIN	-SM CTCP125-P	DRAGONS KIN	-SM CTCP135-P	DRAGONS KIN	-SM CTCP135-P	DRAGONS KIN
		M RCMT	M RCGT	M RCMT	M RCGT	M RCMT	M RCGT	M RCMT	M RCGT	M RCMT	M RCGT
		76 264 ...	76 262 ...	76 264 ...	76 262 ...	76 264 ...	76 262 ...	76 264 ...	76 262 ...	76 264 ...	76 262 ...
		£ 1A/08	£ 1A/08	£ 1A/08	£ 1A/08	£ 1A/08	£ 1A/08	£ 1A/08	£ 1A/08	£ 1A/08	£ 1A/08
0602M0EN	3.0		7.71 50201				7.71 70201				
0803M0EN	4.0		8.58 51201				8.58 71201				
1003M0SN	5.0			7.42 51401				7.42 71401			
1204M0SN	6.0	8.80 32801		8.80 52601				8.80 72601			
1606M0SN	8.0	17.30 34001		17.30 53801				17.30 73801			
2006M0SN	10.0			23.81 55001				23.81 75001			
2507M0SN	12.5	38.36 36201		38.36 56201				38.36 76201			
P		•	•	•	•	•	•	•	•	•	•
M								○	○		
K		○	○	○	○	○	○				
N											
S											
H											
O											

SCMT

Designation	L mm	S mm	D1 mm	IC mm
SCMT 09T3..	9.52	3.97	4.4	9.52
SCMT 1204..	12.70	4.76	5.5	12.70

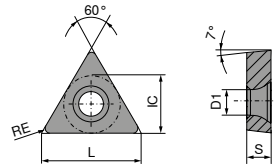


SCMT

		NEW		NEW		NEW		NEW		NEW	
		-SF CTCP125-P		-SMF CTCP115-P		-SMF CTCP135-P		-SM CTCP115-P		-SM CTCP125-P	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
		F SCMT		F SCMT		F SCMT		M SCMT		M SCMT	
		76 269 ...		76 267 ...		76 267 ...		76 268 ...		76 268 ...	
ISO	RE mm	£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08	
09T304EN	0.4	9.26	50401	9.26	30401			9.26	30401	9.26	50401
09T308EN	0.8	9.26	50601	9.26	30601			9.26	30601	9.26	50601
120408EN	0.8	13.04	51801			13.04	71801	13.04	31801	13.04	51801
120412EN	1.2									13.04	52001
P			•		•		•		•		•
M							○				○
K			○		○				○		○
N											
S											
H											
O											

TCMT / TCGT

Designation	L mm	S mm	D1 mm	IC mm
TCMT 0902..	9.6	2.38	2.50	5.56
TC.T 1102..	11.0	2.38	2.80	6.35
TCMT 16T3..	16.5	3.97	4.40	9.52
TCMT 2204..	22.0	4.76	5.16	12.70

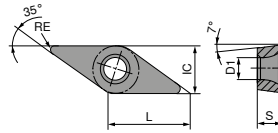


TCMT / TCGT

		NEW		NEW		NEW		NEW		NEW		NEW									
		-SF CTCP125-P		-SMF CTCP115-P		-SMF CTCP135-P		-SM CTCP135-P		-SM CTCP115-P		-SM CTCP125-P									
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN									
		F TCMT		F TCMT		F TCMT		M TCGT		M TCMT		M TCMT									
		76 275 ...		76 284 ...		76 284 ...		76 270 ...		76 274 ...		76 274 ...									
		£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08									
ISO	RE mm																				
090204EN	0.4									7.30 50401		7.30 70401									
110202EN	0.2							12.93 71401													
110204EN	0.4	7.30 51601						7.30 31601		7.30 51601		7.30 71601									
110208EN	0.8	7.30 51801		7.30 31801		7.30 71801		7.30 31801				7.30 71801									
16T304EN	0.4	10.54 52801		10.54 32801				10.54 32801		10.54 52801		10.54 72801									
16T308EN	0.8	10.54 53001		10.54 33001				10.54 33001		10.54 53001		10.54 73001									
220408EN	0.8									15.17 54201		15.17 74201									
P		●		●		●		●		●		●									
M						○		○													
K		○		○		○				○		○									
N																					
S																					
H																					
O																					

VCGT / VCMT

Designation	L mm	S mm	D1 mm	IC mm
VC.T 1103..	11.1	3.18	2.9	6.35
VCMT 1604..	16.6	4.76	4.4	9.52



VCGT / VCMT

		NEW		NEW		NEW		NEW		NEW	
		-SF CTCP115-P		-SF CTCP115-P		-SF CTCP125-P		-SF CTCP125-P		-SF CTCP135-P	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
		F VCGT		F VCMT		F VCGT		F VCMT		F VCGT	
		76 277 ...		76 279 ...		76 277 ...		76 279 ...		76 277 ...	
		£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08	
ISO	RE mm	110302EN	0.2	15.28	31401	15.28	51401	15.28	71401	15.28	71401
110304EN	0.4	15.28	31601	15.28	51601	15.28	71601	15.28	71601	15.28	71601
110308EN	0.8	15.28	31801	15.28	51801	15.28	71801	15.28	71801	15.28	71801
160404EN	0.4			15.28	32801			15.28	52801		
160408EN	0.8			15.28	33001			15.28	53001	15.28	72801
P			•		•		•		•		•
M										○	○
K			○		○		○		○		○
N											
S											
H											
O											

VCMT / VCGT

		NEW		NEW		NEW		NEW		NEW	
		-SMF CTCP115-P		-SMF CTCP125-P		-SMF CTCP135-P		-SM CTCP135-P		-SM CTCP115-P	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
		F VCMT		F VCMT		F VCGT		F VCMT		M VCMT	
		76 288 ...		76 288 ...		76 285 ...		76 288 ...		76 278 ...	
		£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08		£ 1A/08	
110302EN	0.2					15.28	71401				
110304EN	0.4	13.14	31601	13.14	51601			13.14	71601		
160404EN	0.4	15.28	32801	15.28	52801			15.28	72801	15.28	32801
160406EN	0.6							15.28	32901		
160408EN	0.8	15.28	33001	15.28	53001			15.28	33001	15.28	53001
160412EN	1.2							15.28	33201	15.28	53201
P			•		•		•		•		•
M										○	○
K			○		○		○		○		○
N											
S											
H											
O											

Material examples for cutting data tables

	Material sub-group	Index	Composition / Structure / Heat treatment	Tensile strength N/mm ² / HB / HRC	Material number	Material designation	Material number	Material designation
P	Unalloyed steel	P.1.1	< 0,15 % C	Annealed	420 N/mm ² / 125 HB	1.0401	C15	1.1141 Ck15
		P.1.2	< 0,45 % C	Annealed	640 N/mm ² / 190 HB	1.1191	C45E	1.0718 9SMnPb28
		P.1.3		Tempered	840 N/mm ² / 250 HB	1.1191	C45E	1.0535 C55
		P.1.4	< 0,75 % C	Annealed	910 N/mm ² / 270 HB	1.1223	C60R	1.0535 C55
		P.1.5		Tempered	1010 N/mm ² / 300 HB	1.1223	C60R	1.0727 45S20
	Low-alloy steel	P.2.1		Annealed	610 N/mm ² / 180 HB	1.7131	16MnCr5	1.6587 17CrNiMo6
		P.2.2		Tempered	930 N/mm ² / 275 HB	1.7131	16MnCr5	1.6587 17CrNiMo6
		P.2.3		Tempered	1010 N/mm ² / 300 HB	1.7225	42CrMo4	1.3505 100Cr6
		P.2.4		Tempered	1200 N/mm ² / 375 HB	1.7225	42CrMo4	1.3505 100Cr6
	High-alloy steel and high-alloy tool steel	P.3.1		Annealed	680 N/mm ² / 200 HB	1.4021	X20Cr13	1.4034 X46Cr13
		P.3.2		Hardened and tempered	1100 N/mm ² / 300 HB	1.2343	X38CrMoV5-1	1.4034 X46Cr13
		P.3.3		Hardened and tempered	1300 N/mm ² / 400 HB	1.2343	X38CrMoV5-1	1.4034 X46Cr13
	Stainless steel	P.4.1	Ferritic / martensitic	Annealed	680 N/mm ² / 200 HB	1.4016	X6Cr17	1.2316 X36CrMo16
		P.4.2	Martensitic	Tempered	1010 N/mm ² / 300 HB	1.4112	X90CrMoV18	1.2316 X36CrMo16
M	Stainless steel	M.1.1	Austenitic / austenitic-ferritic	Quenched	610 N/mm ² / 180 HB	1.4301	X5CrNi18-10	1.4571 X6CrNiMoTi17-12-2
		M.2.1	Austenitic	Tempered	300 HB	1.4841	X15CrNiSi25-21	1.4539 X1NiCrMoCu25-20-5
		M.3.1	Austenitic / ferritic (Duplex)		780 N/mm ² / 230 HB	1.4462	X2CrNiMoN22-5-3	1.4501 X2CrNiMoCuWN25-7-4
K	Grey cast iron	K.1.1	Pearlitic / ferritic		350 N/mm ² / 180 HB	0.6010	GG-10	0.6025 GG-25
		K.1.2	Pearlitic (martensitic)		500 N/mm ² / 260 HB	0.6030	GG-30	0.6045 GG-45
	Spherulitic graphite cast iron	K.2.1	Ferritic		540 N/mm ² / 160 HB	0.7040	GGG-40	0.7060 GGG-60
		K.2.2	Pearlitic		845 N/mm ² / 250 HB	0.7070	GGG-70	0.7080 GGG-80
	Malleable iron	K.3.1	Ferritic		440 N/mm ² / 130 HB	0.8035	GTW-35-04	0.8045 GTW-45
		K.3.2	Pearlitic		780 N/mm ² / 230 HB	0.8165	GTS-65-02	0.8170 GTS-70-02
N	Aluminium wrought alloy	N.1.1	Non-hardenable		60 HB	3.0255	Al99,5	3.3315 AlMg1
		N.1.2	Hardenable	Age-hardened	340 N/mm ² / 100 HB	3.1355	AlCuMg2	3.2315 AlMgSi1
	Cast aluminium alloy	N.2.1	≤ 12 % Si, non-hardenable		250 N/mm ² / 75 HB	3.2581	G-AlSi12	3.2163 G-AlSi9Cu3
		N.2.2	≤ 12 % Si, hardenable	Age-hardened	300 N/mm ² / 90 HB	3.2134	G-AlSi5Cu1Mg	3.2373 G-AlSi9Mg
		N.2.3	> 12 % Si, non-hardenable		440 N/mm ² / 130 HB		G-AlSi17Cu4Mg	G-AlSi18CuNiMg
	Copper and copper alloys (bronze/brass)	N.3.1	Free-machining alloys, PB > 1 %		375 N/mm ² / 110 HB	2.0380	CuZn39Pb2 (Ms58)	2.0410 CuZn44Pb2
		N.3.2	CuZn, CuSnZn		300 N/mm ² / 90 HB	2.0331	CuZn15	2.4070 CuZn28Sn1As
		N.3.3	CuSn, lead-free copper and electrolytic copper		340 N/mm ² / 100 HB	2.0060	E-Cu57	2.0590 CuZn40Fe
	Magnesium alloys	N.4.1	Magnesium and magnesium alloys		70 HB	3.5612	MgAl6Zn	3.5312 MgAl3Zn
S	Heat-resistant alloys	S.1.1	Fe - basis	Annealed	680 N/mm ² / 200 HB	1.4864	X12NiCrSi 36-16	1.4865 G-X40NiCrSi38-18
		S.1.2		Age-hardened	950 N/mm ² / 280 HB	1.4980	X6NiCrTiMoVB25-15-2	1.4876 X10NiCrAlTi32-20
		S.2.1	Ni or Co basis	Annealed	840 N/mm ² / 250 HB	2.4631	NiCr20TiAl (Nimonic80A)	3.4856 NiCr22Mo9Nb
		S.2.2		Age-hardened	1180 N/mm ² / 350 HB	2.4668	NiCr19Nb5Mo3 (Inconel 718)	2.4955 NiFe25Cr20NbTi
		S.2.3		Cast	1080 N/mm ² / 320 HB	2.4765	CoCr20W15Ni	1.3401 G-X120Mn12
	Titanium alloys	S.3.1	Pure titanium		400 N/mm ²	3.7025	Ti99,8	3.7034 Ti99,7
		S.3.2	Alpha + beta alloys	Age-hardened	1050 N/mm ² / 320 HB	3.7165	TiAl6V4	Ti-6246 Ti-6Al-2Sn-4Zr-6Mo
		S.3.3	Beta alloys		1400 N/mm ² / 410 HB	Ti555.3	Ti-5Al-5V-5Mo-3Cr	R56410 Ti-10V-2Fe-3Al
H	Hardened steel	H.1.1		Hardened and tempered	46-55 HRC			
		H.1.2		Hardened and tempered	56-60 HRC			
		H.1.3		Hardened and tempered	61-65 HRC			
		H.1.4		Hardened and tempered	66-70 HRC			
	Chilled iron	H.2.1		Cast	400 HB			
	Hardened cast iron	H.3.1		Hardened and tempered	55 HRC			
O	Non-metal materials	O.1.1	Plastics, duroplastic		≤ 150 N/mm ²			
		O.1.2	Plastics, thermoplastic		≤ 100 N/mm ²			
		O.2.1	Aramid fibre-reinforced		≤ 1000 N/mm ²			
		O.2.2	Glass/carbon-fibre reinforced		≤ 1000 N/mm ²			
		O.3.1	Graphite					

* Tensile strength

Cutting data standard values

	DRAGONSKIN		
	CTCP115-P	CTCP125-P	CTCP135-P
Index			
P.1.1	370	295	210
P.1.2	315	250	175
P.1.3	270	210	145
P.1.4	250	200	135
P.1.5	230	180	120
P.2.1	325	260	180
P.2.2	250	195	130
P.2.3	230	180	120
P.2.4	170	130	85
P.3.1	200	170	150
P.3.2	140	105	95
P.3.3	85	40	35
P.4.1	200	170	155
P.4.2	170	135	125
M.1.1			155
M.2.1			95
M.3.1			135
K.1.1	255	170	
K.1.2	235	160	
K.2.1	270	180	
K.2.2	205	160	
K.3.1	250	200	
K.3.2	210	160	
N.1.1			
N.1.2			
N.2.1			
N.2.2			
N.2.3			
N.3.1			
N.3.2			
N.3.3			
N.4.1			
S.1.1			
S.1.2			
S.2.1			
S.2.2			
S.2.3			
S.3.1			
S.3.2			
S.3.3			
H.1.1			
H.1.2			
H.1.3			
H.1.4			
H.2.1			
H.3.1			
O.1.1			
O.1.2			
O.2.1			
O.2.2			
O.3.1			



The cutting data is strongly influenced by external conditions, such as the stability of the tool and workpiece clamping, material and type of machine. The specified values represent guideline cutting data that can be adjusted by approx. **±20%** according to the usage conditions.

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Product programme	41-55

CERATIZIT \ Performance

Premium quality tools for high performance.

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

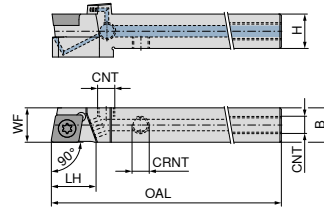
Overview of Clamping systems

Holders for positive inserts



Geometry	Tool holder	Page No.
 CC..	SCAC 90° DC	41
	SCDC 45° DC	42
	SCLC 95° DC	43
 DC..	SDAC 90° DC	44
	SDHC 107,5° DC	45
	SDJC 93° DC	46
	SDNC 62,5° DC	47
 RC..	SRDC 0° DC	48
 SC..	SSDC 45° DC	49
	SSSC 45° DC	50
 TC..	STGC 90° DC	51
 VC..	SVHC 107,5° DC	52
	SVJC 93° DC	53
	SVVC 72,5° DC	54
	SVZC 100° DC	55

MaxiLock-S – SCAC 90° DC – Tool holder with screw clamping



Illustrations show right-hand versions



ISO designation	H mm	B mm	OAL mm	LH mm	WF mm	CNT	CRNT	torque moment Nm	Insert	NEW Left-hand 70 766 ...		NEW Right-hand 70 766 ...	
										£		£	
SCAC R/L 1212 F09 DC	12	12	80	13	12	M6	M6	3,2	CC.. 09T3	132.50	01201	132.50	01200
SCAC R/L 1212 M09 DC	12	12	150	13	12	M6	M6	3,2	CC.. 09T3	141.60	11201	141.60	11200
SCAC R/L 1616 H09 DC	16	16	100	13	16	G1/8"	M6	3,2	CC.. 09T3	147.30	01601	147.30	01600
SCAC R/L 2020 K12 DC	20	20	125	17	20	G1/8"	M6	5	CC.. 1204	156.10	02001	156.10	02000

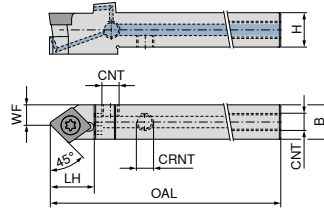
Spare parts for Article no.

	£		£		£		£		£
70 766 01200 / 70 766 01201	2A/28	859	2A/28		2A/28		2A/28	86700	2A/28
70 766 11200 / 70 766 11201	2.99	859						86700	
70 766 01600 / 70 766 01601	3.72	87900	9.23	165	1.70	88000	2.77	86700	4.43
70 766 02000 / 70 766 02001	2.85	820	11.81	166	1.70	88000	2.77	86700	4.43

Spare parts for Article no.

	£		£		£		£		£
70 766 01200 / 70 766 01201	2A/28		Y7	120	2A/28		2A/28		2A/28
70 766 11200 / 70 766 11201			12.65	120					
70 766 01600 / 70 766 01601	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40
70 766 02000 / 70 766 02001	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40

MaxiLock-S – SCDC 45° DC – Tool holder with screw clamping



NEW
Neutral
70 767 ...

ISO designation	H mm	B mm	OAL mm	LH mm	WF mm	CNT	CRNT	torque moment Nm	Insert
SCDC L 0808 K06 DC	8	8	125	13	4	M5	M5	1,2	CC.. 0602
SCDC L 1010 M06 DC	10	10	150	13	5	M6	M6	1,2	CC.. 0602
SCDC L 1212 M09 DC	12	12	150	18	6	M6	M6	3,2	CC.. 09T3
SCDC L 1414 M09 DC	14	14	150	18	7	G1/8"	M6	3,2	CC.. 09T3

£	
2A/24	
132.50	00801
132.50	01001
141.60	01201
141.60	01401

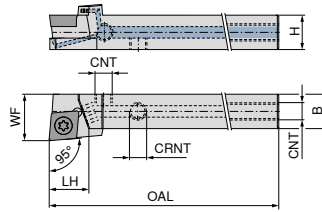
Spare parts for Article no.

70 767 00801		3.03	157	9.16	039			3.91	857		
70 767 01001				9.16	039			3.91	857	2.77	86700
70 767 01201				12.65	120			2.99	859	2.77	86700
70 767 01401				12.65	120	3.40	294	2.99	859	2.77	86700



83 950 ...	80 950 ...	70 950 ...	70 950 ...	70 950 ...
£	£	£	£	£
Y7	Y7	2A/28	2A/28	2A/28

MaxiLock-S – SCLC 95° DC – Tool holder with screw clamping



Illustrations show right-hand versions



ISO designation	H mm	B mm	OAL mm	LH mm	WF mm	CNT	CRNT	torque moment Nm	Insert	NEW Left-hand 70 770 ...		NEW Right-hand 70 770 ...	
										£ 2A/24		£ 2A/24	
SCLC R/L 1010 E06 DC	10	10	70	9	12	M6	M6	1,2	CC.. 0602	132.50	01001	132.50	01000
SCLC R/L 1212 F09 DC	12	12	80	15	16	M6	M6	3,2	CC.. 09T3	132.50	01201	132.50	01200
SCLC R/L 1616 H09 DC	16	16	100	17	20	G1/8"	M6	3,2	CC.. 09T3	147.30	11601	147.30	01600
SCLC R/L 2020 K09 DC	20	20	125	17	25	G1/8"	M6	3,2	CC.. 09T3	156.10	12001	156.10	02000
SCLC R/L 1616 H12 DC	16	16	100	20	20	G1/8"	M6	5	CC.. 1204	147.30	01601	147.30	11600
SCLC R/L 2020 K12 DC	20	20	125	20	25	G1/8"	M6	5	CC.. 1204	156.10	02001	156.10	12000
SCLC R/L 2525 M12 DC	25	25	150	20	32	G1/8"	M6	5	CC.. 1204	162.00	02501	162.00	02500
SCLC R/L 3225 P12 DC	32	25	170	20	32	G1/8"	G1/8"	5	CC.. 1204	170.10	03201	170.10	03200

Spare parts for Article no.

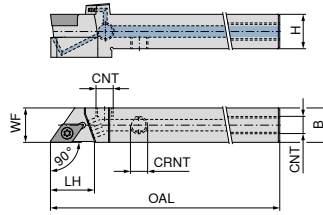
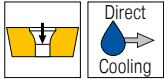
	70 950 ...		70 950 ...		70 950 ...		70 950 ...		70 950 ...	
	£ 2A/28		£ 2A/28		£ 2A/28		£ 2A/28		£ 2A/28	
70 770 01000 / 70 770 01001	3.91	857					2.77	86700		
70 770 01200 / 70 770 01201	2.99	859					2.77	86700		
70 770 01600 / 70 770 11601	3.72	87900	9.23	165	1.70	88000	2.77	86700	4.43	171
70 770 02000 / 70 770 12001	3.72	87900	9.23	165	1.70	88000	2.77	86700	4.43	171
70 770 11600 / 70 770 01601	2.85	820	11.81	166	1.70	88000	2.77	86700	4.43	170
70 770 12000 / 70 770 02001	2.85	820	11.81	166	1.70	88000	2.77	86700	4.43	170
70 770 02500 / 70 770 02501	2.85	820	11.81	166	1.70	88000	2.77	86700	4.43	170
70 770 03200 / 70 770 03201	2.85	820	11.81	166	1.70	88000			4.43	170

Spare parts for Article no.

	70 950 ...		80 950 ...		70 950 ...		70 950 ...		70 950 ...	
	£ 2A/28		£ Y7		£ 2A/28		£ 2A/28		£ 2A/28	
70 770 01000 / 70 770 01001			9.16	039						
70 770 01200 / 70 770 01201			12.65	120						
70 770 01600 / 70 770 11601	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294
70 770 02000 / 70 770 12001	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294
70 770 11600 / 70 770 01601	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294
70 770 12000 / 70 770 02001	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294
70 770 02500 / 70 770 02501	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294
70 770 03200 / 70 770 03201	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294

MaxiLock-S – SDAC 90° DC – Tool holder with screw clamping

▲ for sliding head lathes



Illustrations show right-hand versions



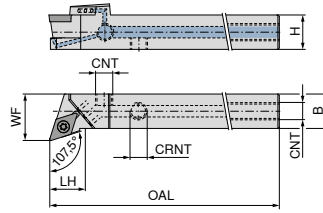
ISO designation	H mm	B mm	OAL mm	LH mm	WF mm	CNT	CRNT	torque moment Nm	Insert	NEW Left-hand 70 771 ...		NEW Right-hand 70 771 ...	
										£		£	
SDAC R/L 0808 K07 DC	8	8	125	14	8	M5	M5	1,2	DC.. 0702	132.50	00801	132.50	00800
SDAC R/L 1010 M07 DC	10	10	150	14	10	M6	M6	1,2	DC.. 0702	132.50	01001	132.50	01000
SDAC R/L 1212 M07 DC	12	12	150	14	12	M6	M6	1,2	DC.. 0702	141.60	01201	141.60	01200
SDAC R/L 1212 M11 DC	12	12	150	21	12	M6	M6	3,2	DC.. 11T3	141.60	11201	141.60	11200

Spare parts for Article no.

	£		£		£		£
70 771 00800 / 70 771 00801	Y7	157	Y7	039	2A/28	857	2A/28
70 771 01000 / 70 771 01001	3.03		9.16	039	3.91	857	2.77
70 771 01200 / 70 771 01201			9.16	039	3.91	857	2.77
70 771 11200 / 70 771 11201			12.65	120	2.99	859	2.77

Cylindrical screw	Key D	Clamping screw	Grubscrew
83 950 ...	80 950 ...	70 950 ...	70 950 ...
£	£	£	£
Y7	Y7	2A/28	2A/28
3.03	9.16	3.91	2.77
	039	857	86700
	9.16	857	86700
	12.65	2.99	86700

MaxiLock-S – SDHC 107.5° DC – Tool holder with screw clamping



Illustrations show right-hand versions



ISO designation	H mm	B mm	OAL mm	LH mm	WF mm	CNT	CRNT	torque moment Nm	Insert	NEW Left-hand 70 772 ...		NEW Right-hand 70 772 ...	
										£ 2A/24		£ 2A/24	
SDHC R/L 1212 F07 DC	12	12	80	12.2	16	M6	M6	1,2	DC.. 0702	132.50	01201	132.50	01200
SDHC R/L 1616 H11 DC	16	16	100	11.6	20	G1/8"	M6	3,2	DC.. 11T3	147.30	01601	147.30	01600
SDHC R/L 2020 K11 DC	20	20	125	14.1	25	G1/8"	M6	3,2	DC.. 11T3	156.10	02001	156.10	02000
SDHC R/L 2525 M11 DC	25	25	150	20.5	32	G1/8"	M6	3,2	DC.. 11T3	162.00	02501	162.00	02500

Spare parts
for Article no.

	70 950 ...		70 950 ...		70 950 ...		70 950 ...		70 950 ...	
	£ 2A/28		£ 2A/28		£ 2A/28		£ 2A/28		£ 2A/28	
70 772 01200 / 70 772 01201	3.91	857					2.77	86700		
70 772 01600 / 70 772 01601	3.72	87900	7.15	106	1.70	88000	2.77	86700	4.43	171
70 772 02000 / 70 772 02001	3.72	87900	7.15	106	1.70	88000	2.77	86700	4.43	171
70 772 02500 / 70 772 02501	3.72	87900	7.15	106	1.70	88000	2.77	86700	4.43	171

Spare parts
for Article no.

	70 950 ...		80 950 ...		70 950 ...		70 950 ...		70 950 ...	
	£ 2A/28		£ Y7		£ 2A/28		£ 2A/28		£ 2A/28	
70 772 01200 / 70 772 01201			9.16	039						
70 772 01600 / 70 772 01601	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294
70 772 02000 / 70 772 02001	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294
70 772 02500 / 70 772 02501	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294

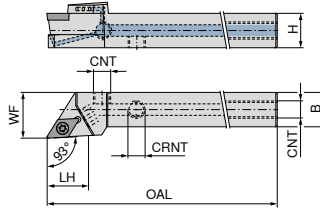


	70 950 ...		70 950 ...		70 950 ...		70 950 ...		70 950 ...	
	£ 2A/28		£ 2A/28		£ 2A/28		£ 2A/28		£ 2A/28	
70 772 01200 / 70 772 01201	3.91	857					2.77	86700		
70 772 01600 / 70 772 01601	3.72	87900	7.15	106	1.70	88000	2.77	86700	4.43	171
70 772 02000 / 70 772 02001	3.72	87900	7.15	106	1.70	88000	2.77	86700	4.43	171
70 772 02500 / 70 772 02501	3.72	87900	7.15	106	1.70	88000	2.77	86700	4.43	171



	70 950 ...		80 950 ...		70 950 ...		70 950 ...		70 950 ...	
	£ 2A/28		£ Y7		£ 2A/28		£ 2A/28		£ 2A/28	
70 772 01200 / 70 772 01201			9.16	039						
70 772 01600 / 70 772 01601	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294
70 772 02000 / 70 772 02001	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294
70 772 02500 / 70 772 02501	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294

MaxiLock-S – SDJC 93° DC – Tool holder with screw clamping



Illustrations show right-hand versions



ISO designation	H mm	B mm	OAL mm	LH mm	WF mm	CNT	CRNT	torque moment Nm	Insert	NEW Left-hand 70 773 ...		NEW Right-hand 70 773 ...	
										£ 2A/24		£ 2A/24	
SDJC R/L 1010 E07 DC	10	10	70	13.0	12	M6	M6	1,2	DC.. 0702	132.50	01001	132.50	01000
SDJC R/L 1212 F07 DC	12	12	80	14.3	16	M6	M6	1,2	DC.. 0702	132.50	01201	132.50	01200
SDJC R/L 1616 H11 DC	16	16	100	19.3	20	G1/8"	M6	3,2	DC.. 11T3	147.30	01601	147.30	01600
SDJC R/L 2020 K11 DC	20	20	125	19.9	25	G1/8"	M6	3,2	DC.. 11T3	156.10	02001	156.10	02000
SDJC R/L 2525 M11 DC	25	25	150	21.2	32	G1/8"	M6	3,2	DC.. 11T3	162.00	02501	162.00	02500

Spare parts for Article no.

	£ 2A/28	£ 2A/28	£ 2A/28	£ 2A/28	£ 2A/28
70 773 01000 / 70 773 01001	3.91 857			2.77 86700	
70 773 01200 / 70 773 01201	3.91 857			2.77 86700	
70 773 01600 / 70 773 01601	3.72 87900	7.15 106	1.70 88000	2.77 86700	4.43 171
70 773 02000 / 70 773 02001	3.72 87900	7.15 106	1.70 88000	2.77 86700	4.43 171
70 773 02500 / 70 773 02501	3.72 87900	7.15 106	1.70 88000	2.77 86700	4.43 171

Spare parts for Article no.

	£ 2A/28	£ Y7	£ 2A/28	£ 2A/28	£ 2A/28
70 773 01000 / 70 773 01001		9.16 039			
70 773 01200 / 70 773 01201		9.16 039			
70 773 01600 / 70 773 01601	1.20 87600	12.65 120	1.05 88100	23.31 87700	3.40 294
70 773 02000 / 70 773 02001	1.20 87600	12.65 120	1.05 88100	23.31 87700	3.40 294
70 773 02500 / 70 773 02501	1.20 87600	12.65 120	1.05 88100	23.31 87700	3.40 294

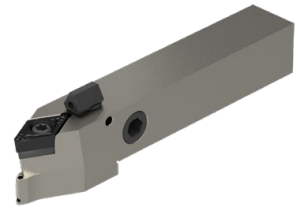
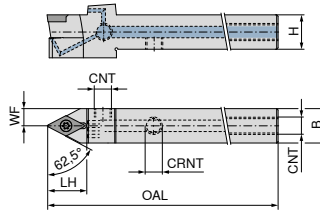


70 950 ...	70 950 ...	70 950 ...	70 950 ...	70 950 ...
£ 2A/28	£ 2A/28	£ 2A/28	£ 2A/28	£ 2A/28
3.91 857			2.77 86700	
3.91 857			2.77 86700	
3.72 87900	7.15 106	1.70 88000	2.77 86700	4.43 171
3.72 87900	7.15 106	1.70 88000	2.77 86700	4.43 171



70 950 ...	80 950 ...	70 950 ...	70 950 ...	70 950 ...
£ 2A/28	£ Y7	£ 2A/28	£ 2A/28	£ 2A/28
	9.16 039			
	9.16 039			
1.20 87600	12.65 120	1.05 88100	23.31 87700	3.40 294
1.20 87600	12.65 120	1.05 88100	23.31 87700	3.40 294
1.20 87600	12.65 120	1.05 88100	23.31 87700	3.40 294

MaxiLock-S – SDNC 62.5° DC – Tool holder with screw clamping



NEW

Neutral

70 774 ...

ISO designation	H mm	B mm	OAL mm	WF mm	CNT	CRNT	torque moment Nm	Insert	£ 2A/24	
SDNC N 1212 F07 DC	12	12	80	6.0	M6	M6	1,2	DC.. 0702	132.50	01200
SDNC N 1212 M07 DC	12	12	150	6.0	M6	M6	1,2	DC.. 0702	141.60	11200
SDNC N 1212 M11 DC	12	12	150	6.0	M6	M6	3,2	DC.. 11T3	141.60	21200
SDNC N 1616 H11 DC	16	16	100	8.0	G1/8"	M6	3,2	DC.. 11T3	147.30	01600
SDNC N 2020 K11 DC	20	20	125	10.0	G1/8"	M6	3,2	DC.. 11T3	156.10	02000
SDNC N 2525 M11 DC	25	25	150	12.5	G1/8"	M6	3,2	DC.. 11T3	162.00	02500

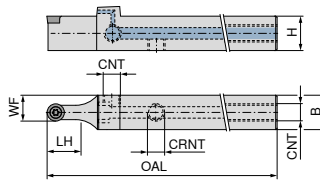
Spare parts
for Article no.

	£ 2A/28		£ 2A/28		£ 2A/28		£ 2A/28		£ 2A/28	
70 774 01200	3.91	857					2.77	86700		
70 774 11200	3.91	857					2.77	86700		
70 774 01600	3.72	87900	7.15	106	1.70	88000	2.77	86700	4.43	171
70 774 02000	3.72	87900	7.15	106	1.70	88000	2.77	86700	4.43	171
70 774 21200	2.99	859					2.77	86700		
70 774 02500	3.72	87900	7.15	106	1.70	88000	2.77	86700	4.43	171

Spare parts
for Article no.

	£ 2A/28		£ Y7		£ 2A/28		£ 2A/28		£ 2A/28	
70 774 01200			9.16	039						
70 774 11200			9.16	039						
70 774 01600	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294
70 774 02000	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294
70 774 21200			12.65	120						
70 774 02500	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294

MaxiLock-S – SRDC 0° DC – Tool holder with screw clamping

Direct
Cooling

NEW

Neutral

70 775 ...

ISO designation	H mm	B mm	OAL mm	LH mm	WF mm	CNT	CRNT	torque moment Nm	Insert	£ 2A/24	
SRDC N 1212 F06 DC	12	12	80	12.0	9.0	M6	M6	1,2	RC.. 0602 M0	164.30	01200
SRDC N 1616 H06 DC	16	16	100	12.0	11.0	G1/8"	M6	1,2	RC.. 0602 M0	166.20	01600
SRDC N 2020 K06 DC	20	20	125	12.0	13.0	G1/8"	M6	1,2	RC.. 0602 M0	156.10	02000
SRDC N 2525 M06 DC	25	25	150	12.4	15.5	G1/8"	M6	1,2	RC.. 0602 M0	162.00	02500
SRDC N 1616 H08 DC	16	16	100	16.0	12.0	G1/8"	M6	1,8	RC.. 0803 M0	166.20	11600
SRDC N 2020 K08 DC	20	20	125	16.5	14.0	G1/8"	M6	1,8	RC.. 0803 M0	156.10	12000
SRDC N 2525 M08 DC	25	25	150	16.5	16.5	G1/8"	M6	1,8	RC.. 0803 M0	162.00	12500
SRDC N 1616 H10 DC	16	16	100	20.9	13.0	G1/8"	M6	3,2	RC.. 1003 M0	166.20	21600
SRDC N 2020 K10 DC	20	20	125	20.0	15.0	G1/8"	M6	3,2	RC.. 1003 M0	156.10	22000
SRDC N 2525 M10 DC	25	25	150	20.9	17.5	G1/8"	M6	3,2	RC.. 1003 M0	162.00	22500

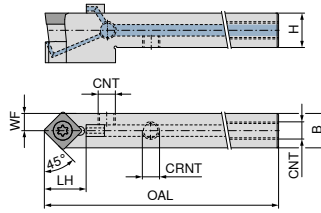
Spare parts
for Article no.

	£ 2A/28		£ 2A/28		£ 2A/28		£ 2A/28		£ 2A/28
70 775 01200	3.91	857					2.77	86700	
70 775 01600	3.91	857			1.70	88000	2.77	86700	
70 775 02000	3.91	857			1.70	88000	2.77	86700	
70 775 02500	3.91	857			1.70	88000	2.77	86700	
70 775 11600	2.99	819			1.70	88000	2.77	86700	
70 775 12000	2.99	819			1.70	88000	2.77	86700	
70 775 12500	2.99	819			1.70	88000	2.77	86700	
70 775 21600	3.72	87900	11.81	117	1.70	88000	2.77	86700	4.43 171
70 775 22000	3.72	87900	11.81	117	1.70	88000	2.77	86700	4.43 171
70 775 22500	3.72	87900	11.81	117	1.70	88000	2.77	86700	4.43 171

Spare parts
for Article no.

	£ 2A/28		£ Y7		£ 2A/28		£ 2A/28		£ 2A/28
70 775 01200			9.16	039					
70 775 01600	1.20	87600	9.16	039	1.05	88100	23.31	87700	3.40 294
70 775 02000	1.20	87600	9.16	039	1.05	88100	23.31	87700	3.40 294
70 775 02500	1.20	87600	9.16	039	1.05	88100	23.31	87700	3.40 294
70 775 11600	1.20	87600	11.88	118	1.05	88100	23.31	87700	3.40 294
70 775 12000	1.20	87600	11.88	118	1.05	88100	23.31	87700	3.40 294
70 775 12500	1.20	87600	11.88	118	1.05	88100	23.31	87700	3.40 294
70 775 21600	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40 294
70 775 22000	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40 294
70 775 22500	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40 294

MaxiLock-S – SSDC 45° DC – Tool holder with screw clamping



NEW

Neutral

70 776 ...

ISO designation	H mm	B mm	OAL mm	LH mm	WF mm	CNT	CRNT	torque moment Nm	Insert	£ 2A/24	
SSDC N 1212 F09 DC	12	12	80	16	6.0	M6	M6	3,2	SC.. 09T3..	132.50	01200
SSDC N 1616 H09 DC	16	16	100	20	8.0	G1/8"	M6	3,2	SC.. 09T3..	147.30	01600
SSDC N 2020 K09 DC	20	20	125	20	10.0	G1/8"	M6	3,2	SC.. 09T3..	156.10	02000
SSDC N 1616 H12 DC	16	16	100	25	8.0	G1/8"	M6	5	SC.. 1204..	147.30	11600
SSDC N 2020 K12 DC	20	20	125	25	10.0	G1/8"	M6	5	SC.. 1204..	156.10	12000
SSDC N 2525 M12 DC	25	25	150	25	12.5	G1/8"	M6	5	SC.. 1204..	162.00	02500

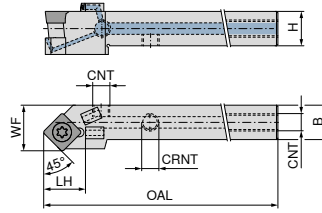
Spare parts
for Article no.

70 776 01200	3.72	87900					2.77	86700		
70 776 01600	3.72	87900	9.23	167	1.70	88000	2.77	86700	4.43	171
70 776 02000	3.72	87900	9.23	167	1.70	88000	2.77	86700	4.43	171
70 776 11600	2.85	820	11.81	168	1.70	88000	2.77	86700	4.43	170
70 776 12000	2.85	820	11.81	168	1.70	88000	2.77	86700	4.43	170
70 776 02500	2.85	820	11.81	168	1.70	88000	2.77	86700	4.43	170

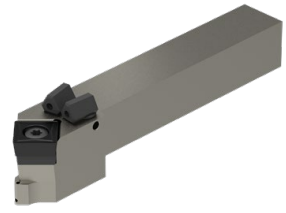
Spare parts
for Article no.

70 776 01200			12.65	120							
70 776 01600	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294	
70 776 02000	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294	
70 776 11600	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294	
70 776 12000	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294	
70 776 02500	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294	

MaxiLock-S – SSSC 45° DC – Tool holder with screw clamping



Illustrations show right-hand versions



ISO designation	H mm	B mm	OAL mm	LH mm	WF mm	CNT	CRNT	torque moment Nm	Insert	NEW Left-hand 70 777 ...		NEW Right-hand 70 777 ...	
										£ 2A/24		£ 2A/24	
SSSC R/L 1212 F09 DC	12	12	80	18	16	M6	M6	3,2	SC.. 09T3..	132.50	01201	132.50	01200
SSSC R/L 1616 H09 DC	16	16	100	20	20	G1/8"	M6	3,2	SC.. 09T3..	147.30	01601	147.30	01600
SSSC R/L 2020 K09 DC	20	20	125	20	25	G1/8"	M6	3,2	SC.. 09T3..	156.10	02001	156.10	02000
SSSC R/L 1616 H12 DC	16	16	100	25	20	G1/8"	M6	5	SC.. 1204..	147.30	11601	147.30	11600
SSSC R/L 2020 K12 DC	20	20	125	25	25	G1/8"	M6	5	SC.. 1204..	156.10	12001	156.10	12000
SSSC R/L 2525 M12 DC	25	25	150	25	32	G1/8"	M6	5	SC.. 1204..	162.00	02501	162.00	02500
SSSC L 3225 P 12 DC	32	25	170	25	32	G1/8"	G1/8"	5	SC.. 1204..	170.10	03201		

Spare parts
for Article no.

	£ 2A/28		£ 2A/28		£ 2A/28		£ 2A/28		£ 2A/28	
70 777 01200 / 70 777 01201	2.99	859					2.77	86700		
70 777 01600 / 70 777 01601	3.72	87900	9.23	167	1.70	88000	2.77	86700	4.43	171
70 777 02000 / 70 777 02001	3.72	87900	9.23	167	1.70	88000	2.77	86700	4.43	171
70 777 11600 / 70 777 11601	2.85	820	11.81	168	1.70	88000	2.77	86700	4.43	170
70 777 12000 / 70 777 12001	2.85	820	11.81	168	1.70	88000	2.77	86700	4.43	170
70 777 02500 / 70 777 02501	2.85	820	11.81	168	1.70	88000	2.77	86700	4.43	170
70 777 03201	2.85	820	11.81	168	1.70	88000			4.43	170

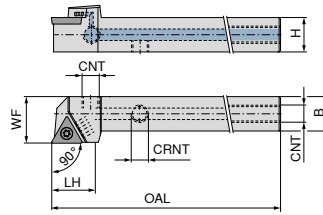
Spare parts
for Article no.

	£ 2A/28		£ Y7		£ 2A/28		£ 2A/28		£ 2A/28	
70 777 01200 / 70 777 01201			12.65	120						
70 777 01600 / 70 777 01601	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294
70 777 02000 / 70 777 02001	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294
70 777 11600 / 70 777 11601	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294
70 777 12000 / 70 777 12001	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294
70 777 02500 / 70 777 02501	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294
70 777 03201	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294

Clamping screw	Solid Carbide support S	Grubscrew	Grubscrew	Threaded sleeve
70 950 ...	70 950 ...	70 950 ...	70 950 ...	70 950 ...

Sealing plugs DC	Key D	O-Ring	Coolant nozzle DC	Coolant screw plug
70 950 ...	80 950 ...	70 950 ...	70 950 ...	70 950 ...

MaxiLock-S – STGC 90° DC – Tool holder with screw clamping



Illustrations show right-hand versions



NEW Left-hand		NEW Right-hand	
70 778 ...		70 778 ...	
£		£	
2A/24		2A/24	
132.50	01201	132.50	01200
147.30	01601	147.30	01600
156.10	02001	156.10	02000
162.00	02501	162.00	02500

ISO designation	H mm	B mm	OAL mm	LH mm	WF mm	CNT	CRNT	torque moment Nm	Insert
STGC R/L 1212 F11 DC	12	12	80	15	16	M6	M6	1,2	TC.. 1102
STGC R/L 1616 H16 DC	16	16	100	22	20	G1/8"	M6	3,2	TC.. 16T3
STGC R/L 2020 K16 DC	20	20	125	22	25	G1/8"	M6	3,2	TC.. 16T3
STGC R/L 2525 M16 DC	25	25	150	22	32	G1/8"	M6	3,2	TC.. 16T3

Spare parts for Article no.

	£		£		£		£		£
70 778 01200 / 70 778 01201	3.91	857	2A/28		2A/28		2A/28		2A/28
70 778 01600 / 70 778 01601	3.72	87900	7.40	169	1.70	88000	2.77	86700	4.43
70 778 02000 / 70 778 02001	3.72	87900	7.40	169	1.70	88000	2.77	86700	4.43
70 778 02500 / 70 778 02501	3.72	87900	7.40	169	1.70	88000	2.77	86700	4.43

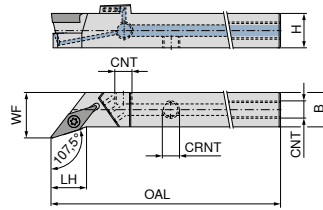
Spare parts for Article no.

	£		£		£		£		£
70 778 01200 / 70 778 01201	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40
70 778 01600 / 70 778 01601	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40
70 778 02000 / 70 778 02001	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40
70 778 02500 / 70 778 02501	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40

Clamping screw	Solid Carbide Seat T	Grubscrew	Grubscrew	Threaded sleeve
70 950 ...	70 950 ...	70 950 ...	70 950 ...	70 950 ...
£	£	£	£	£
2A/28	2A/28	2A/28	2A/28	2A/28

Sealing plugs DC	Key D	O-Ring	Coolant nozzle DC	Coolant screw plug
70 950 ...	80 950 ...	70 950 ...	70 950 ...	70 950 ...
£	£	£	£	£
2A/28	Y7	2A/28	2A/28	2A/28

MaxiLock-S – SVHC 107.5° DC – Tool holder with screw clamping



Illustrations show right-hand versions



ISO designation	H mm	B mm	OAL mm	LH mm	WF mm	CNT	CRNT	torque moment Nm	Insert	NEW Left-hand 70 779 ...		NEW Right-hand 70 779 ...	
										£ 2A/24		£ 2A/24	
SVHC R/L 1212 F11 DC	12	12	80	11.9	16	M6	M6	1,2	VC.. 1103	165.30	01201	165.30	01200
SVHC R/L 1616 H11 DC	16	16	100	11.9	20	G1/8"	M6	1,2	VC.. 1103	170.10	01601	170.10	01600
SVHC R/L 2020 K11 DC	20	20	125	14.7	25	G1/8"	M6	1,2	VC.. 1103	174.80	02001	174.80	02000
SVHC R/L 2525 M11 DC	25	25	150	20.1	32	G1/8"	M6	1,2	VC.. 1103	179.60	02501	179.60	02500
SVHC R/L 2020 K16 DC	20	20	125	13.7	25	G1/8"	M6	3,2	VC.. 1604	174.80	12001	174.80	12000
SVHC R/L 2525 M16 DC	25	25	150	20.0	32	G1/8"	M6	3,2	VC.. 1604	179.60	12501	179.60	12500
SVHC R/L 3225 P16 DC	32	25	170	20.0	32	G1/8"	M6	3,2	VC.. 1604	184.30	03201	184.30	03200
SVHC R/L 2525 M22 DC	25	25	150	21.9	32	G1/8"	M6	5	VC.. 2205	179.60	22501	179.60	22500

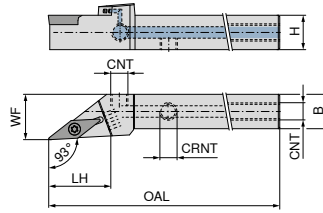
Spare parts for Article no.

	70 950 ...		70 950 ...		70 950 ...		70 950 ...		70 950 ...	
	£ 2A/28		£ 2A/28		£ 2A/28		£ 2A/28		£ 2A/28	
70 779 01200 / 70 779 01201	3.91	857					2.77	86700		
70 779 01600 / 70 779 01601	3.91	857			1.70	88000	2.77	86700		
70 779 02000 / 70 779 02001	3.91	857			1.70	88000	2.77	86700		
70 779 02500 / 70 779 02501	3.91	857			1.70	88000	2.77	86700		
70 779 12000 / 70 779 12001	3.72	87900	9.61	107	1.70	88000	2.77	86700	4.43	171
70 779 12500 / 70 779 12501	3.72	87900	9.61	107	1.70	88000	2.77	86700	4.43	171
70 779 03200 / 70 779 03201	3.72	87900	9.61	107	1.70	88000	2.77	86700	4.43	171
70 779 22500 / 70 779 22501	2.85	820	12.75	109	1.70	88000	2.77	86700	4.43	170

Spare parts for Article no.

	70 950 ...		80 950 ...		70 950 ...		70 950 ...		70 950 ...	
	£ 2A/28		£ Y7		£ 2A/28		£ 2A/28		£ 2A/28	
70 779 01200 / 70 779 01201			9.16	039						
70 779 01600 / 70 779 01601	1.20	87600	9.16	039	1.05	88100	23.31	87700	3.40	294
70 779 02000 / 70 779 02001	1.20	87600	9.16	039	1.05	88100	23.31	87700	3.40	294
70 779 02500 / 70 779 02501	1.20	87600	9.16	039	1.05	88100	23.31	87700	3.40	294
70 779 12000 / 70 779 12001	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294
70 779 12500 / 70 779 12501	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294
70 779 03200 / 70 779 03201	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294
70 779 22500 / 70 779 22501	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294

MaxiLock-S – SVJC 93° DC – Tool holder with screw clamping



Illustrations show right-hand versions



NEW Left-hand		NEW Right-hand	
70 780 ...		70 780 ...	
£		£	
2A/24		2A/24	
162.00	01201	162.00	01200
165.30	01601	165.30	01600
170.10	02001	170.10	02000
179.60	02501	179.60	02500
170.10	12001	170.10	12000
179.60	12501	179.60	12500
184.30	03201	184.30	03200

ISO designation	H mm	B mm	OAL mm	LH mm	WF mm	CNT	CRNT	torque moment Nm	Insert
SVJC R/L 1212 F11 DC	12	12	80	21.6	16	M6	M6	1,2	VC.. 1103
SVJC R/L 1616 H11 DC	16	16	100	21.6	20	G1/8"	M6	1,2	VC.. 1103
SVJC R/L 2020 K11 DC	20	20	125	23.0	25	G1/8"	M6	1,2	VC.. 1103
SVJC R/L 2525 M11 DC	25	25	150	25.5	32	G1/8"	M6	1,2	VC.. 1103
SVJC R/L 2020 K16 DC	20	20	125	29.4	25	G1/8"	M6	3,2	VC.. 1604
SVJC R/L 2525 M16 DC	25	25	150	32.5	32	G1/8"	M6	3,2	VC.. 1604
SVJC R/L 3225 P16 DC	32	25	170	32.5	32	G1/8"	G1/8"	3,2	VC.. 1604

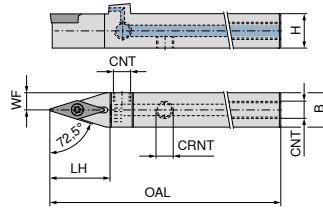
Spare parts for Article no.

	£		£		£		£		£
	2A/28		2A/28		2A/28		2A/28		2A/28
70 780 01200 / 70 780 01201	3.91	857					2.77	86700	
70 780 01600 / 70 780 01601	3.91	857			1.70	88000	2.77	86700	
70 780 02000 / 70 780 02001	3.91	857			1.70	88000	2.77	86700	
70 780 02500 / 70 780 02501	3.91	857			1.70	88000	2.77	86700	
70 780 12000 / 70 780 12001	3.72	87900	9.61	107	1.70	88000	2.77	86700	4.43 171
70 780 12500 / 70 780 12501	3.72	87900	9.61	107	1.70	88000	2.77	86700	4.43 171
70 780 03200 / 70 780 03201	3.72	87900	9.61	107	1.70	88000			4.43 171

Spare parts for Article no.

	£		£		£		£		£
	2A/28		Y7		2A/28		2A/28		2A/28
70 780 01200 / 70 780 01201			9.16	039					
70 780 01600 / 70 780 01601	1.20	87600	9.16	039	1.05	88100	23.31	87700	3.40 294
70 780 02000 / 70 780 02001	1.20	87600	9.16	039	1.05	88100	23.31	87700	3.40 294
70 780 02500 / 70 780 02501	1.20	87600	9.16	039	1.05	88100	23.31	87700	3.40 294
70 780 12000 / 70 780 12001	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40 294
70 780 12500 / 70 780 12501	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40 294
70 780 03200 / 70 780 03201	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40 294

MaxiLock-S – SVVC 72.5° DC – Tool holder with screw clamping



NEW

Neutral

70 781 ...

ISO designation	H mm	B mm	OAL mm	WF mm	CNT	CRNT	torque moment Nm	Insert	£ 2A/24	
SVVC N 1212 F11 DC	12	12	80	6.0	M6	M6	1,2	VC.. 1103	162.00	01200
SVVC N 1616 H11 DC	16	16	100	8.0	G1/8"	M6	1,2	VC.. 1103	165.30	01600
SVVC N 2020 K11 DC	20	20	125	10.0	G1/8"	M6	1,2	VC.. 1103	170.10	02000
SVVC N 2525 M11 DC	25	25	150	12.5	G1/8"	M6	1,2	VC.. 1103	179.60	02500
SVVC N 2020 K16 DC	20	20	125	10.0	G1/8"	M6	3,2	VC.. 1604	170.10	12000
SVVC N 2525 M16 DC	25	25	150	12.5	G1/8"	M6	3,2	VC.. 1604	179.60	12500
SVVC N 3225 P16 DC	32	25	170	12.5	G1/8"	G1/8"	3,2	VC.. 1604	184.30	03200

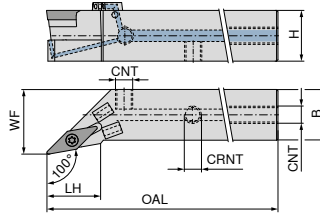
Spare parts
for Article no.

	£ 2A/28		£ 2A/28		£ 2A/28		£ 2A/28		£ 2A/28	
70 781 01200	3.91	857					2.77	86700		
70 781 01600	3.91	857			1.70	88000	2.77	86700		
70 781 02000	3.91	857			1.70	88000	2.77	86700		
70 781 02500	3.91	857			1.70	88000	2.77	86700		
70 781 12000	3.72	87900	9.61	107	1.70	88000	2.77	86700	4.43	171
70 781 12500	3.72	87900	9.61	107	1.70	88000	2.77	86700	4.43	171
70 781 03200	3.72	87900	9.61	107	1.70	88000			4.43	171

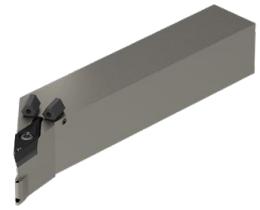
Spare parts
for Article no.

	£ 2A/28		£ Y7		£ 2A/28		£ 2A/28		£ 2A/28	
70 781 01200			9.16	039						
70 781 01600	1.20	87600	9.16	039	1.05	88100	23.31	87700	3.40	294
70 781 02000	1.20	87600	9.16	039	1.05	88100	23.31	87800	3.40	294
70 781 02500	1.20	87600	9.16	039	1.05	88100	23.31	87700	3.40	294
70 781 12000	1.20	87600	12.65	120	1.05	88100	23.31	87800	3.40	294
70 781 12500	1.20	87600	12.65	120	1.05	88100	23.31	87800	3.40	294
70 781 03200	1.20	87600	12.65	120	1.05	88100	23.31	87700	3.40	294

MaxiLock-S – SVZC 100° DC – Tool holder with screw clamping

Direct
Cooling

Illustrations show right-hand versions



NEW

Left-hand

70 783 ...

£

2A/24

179.60

02501

NEW

Right-hand

70 783 ...

£

2A/24

179.60

02500

ISO designation	H mm	B mm	OAL mm	LH mm	WF mm	CNT	CRNT	torque moment Nm	Insert
SVZC R/L 2525 M16 DC	25	25	150	27.3	32	G1/8"	M6	3,2	VC.. 1604

Spare parts
for Article no.

70 783 02500 / 70 783 02501



Clamping screw

70 950 ...

£

2A/28

3.72

87900

Solid Carbide
Seat V

70 950 ...

£

2A/28

9.61

107



Grubscrew

70 950 ...

£

2A/28

1.70

88000



Grubscrew

70 950 ...

£

2A/28

2.77

86700



Threaded sleeve

70 950 ...

£

2A/28

4.43

171

Spare parts
for Article no.

70 783 02500 / 70 783 02501



Sealing plugs DC

70 950 ...

£

2A/28

1.20

87600



Key D

80 950 ...

£

Y7

12.65

120



O-Ring

70 950 ...

£

2A/28

1.05

88100

Coolant nozzle
DC

70 950 ...

£

2A/28

23.31

87700

Coolant screw
plug

70 950 ...

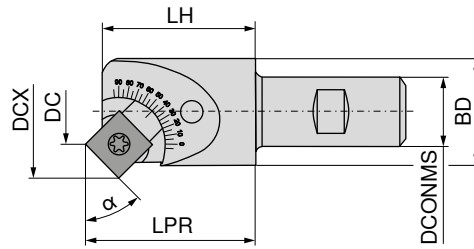
£

2A/28

3.40

294

MaxiMill – Adjustable single angle milling cutter C 490-09



B

50 690 ...

ISO designation	DC mm	DCX mm	ZNF	DCONMS mm	LH mm	torque moment Nm	Insert
C490.20.R.01	1,6 - 11,1	20,1 - 23,6	1	16	32	3,2	SD.. 09T3..

£
2B
143.45 01600

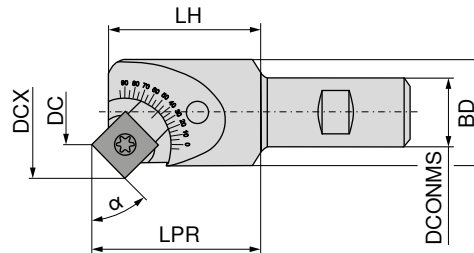
Spare parts

DCONMS

16	£ 2A 4.08	70 950 ...	£ 2B 17.15	70 950 ...	£ Y7 7.02	80 950 ...	£ Y7 12.87	80 950 ...	£ 2A/28 4.18	70 950 ...	£ 2A/28 2.99	70 950 ...	£ Y7 162.00	80 950 ...
		87500		87200		036		113		303		110		192

Other items for this system can be found in the main catalogue → chapter 15 from page 77

MaxiMill – Adjustable single angle milling cutter C 490-12



B

50 690 ...

ISO designation	DC mm	DCX mm	ZNF	DCONMS mm	LH mm	torque moment Nm	Insert
C490.26.R.01	1,1 - 14,1	26,6 - 31,5	1	20	37	5	SD.. 1205..

£
2B
168.34 02000

Spare parts

DCONMS

20	£ 2A 3.21	70 950 ...	£ 2B 17.15	70 950 ...	£ Y7 7.02	80 950 ...	£ Y7 13.77	80 950 ...	£ 2A/28 4.18	70 950 ...	£ 2A/28 2.99	70 950 ...	£ Y7 192.38	80 950 ...
		87400		87300		037		114		303		01200		193

Other items for this system can be found in the main catalogue → chapter 15 from page 77

Environmentally friendly, sustainable & cost-effective

Certified recycling of valuable carbide

By deliberately conserving limited primary resources, we aim to significantly increase the proportion of recovered materials using carbide recycling. Our certified recycling process allows us to transform our used carbide products into a reusable powder and, using extremely low amounts of energy, to completely convert the finished product back into its original form.

Join our sustainable material cycle

As part of our long-term partnership, we hope that we can together complete the cycle from the secondary raw material to a new finished product. Send us your used carbide. We will then process it in the approved manner. The price we offer for the returned carbide is always based on the current market price. Best of all: We take care of the entire process for you and also provide free, quantity-specific collection containers and transport solutions. Do you want to conserve valuable resources and make an important contribution to protecting the environment together with us? If so, our recycling process is just what you need.



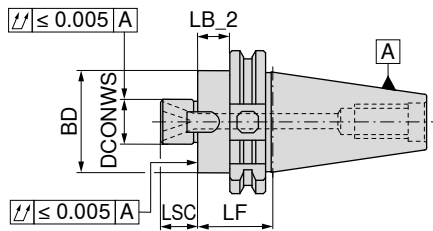
Shell mill adapter with reduced flange diameter

▲ Screwed drive dogs

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

Scope of supply:

Base body with retaining screw and drive dog



NEW



AD

G 2,5 n_{max} 18000

82 315 ...

£

Y8

97.37 12279

94.94 12779

133.98 12278

136.29 12778

	Adapter	DCONWS mm	LB_2 mm	LF mm	BD mm	LSC mm
short	SK 40	22	41	60	38	19
	SK 40	27	25	44	48	21
	SK 50	22	41	60	38	19
	SK 50	27	25	44	48	21



Screw for drivers



Driver



clamping screw

83 950 ...

£

Y8

0.63 51700

0.77 51800

83 950 ...

£

Y8

8.87 51500

10.11 51600

83 950 ...

£

Y8

6.70 124

7.40 125

Spare parts

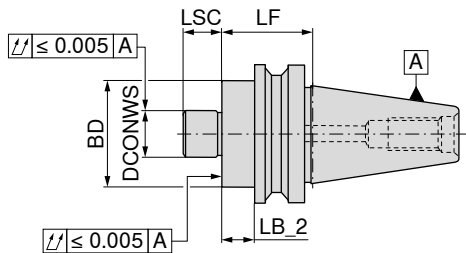
DCONWS									
22	M4x8	0.63	51700	10x7x20,5	8.87	51500	M10x25	6.70	124
27	M4x8	0.77	51800	12x9x24,3	10.11	51600	M12x30	7.40	125

Shell mill adapter with reduced flange diameter

- ▲ Screwed drive dogs
- ▲ also available with Balluff chip **on request**

Scope of supply:

Base body with retaining screw and drive dog



NEW



AD

G 2,5 n_{max} 18000

82 315 ...

£

Y8

93.15 12269

90.08 12769

129.36 12268

133.46 12768

Adapter	DCONWS mm	LB_2 mm	LF mm	BD mm	LSC mm
BT 40	22	33	60	38	19
BT 40	27	25	52	48	21
BT 50	22	22	60	38	19
BT 50	27	25	63	48	21

short



Screw for drivers



Driver



clamping screw

83 950 ...

£

Y8

0.63 51700

0.77 51800

83 950 ...

£

Y8

8.87 51500

10.11 51600

83 950 ...

£

Y8

6.70 124

7.40 125

Spare parts

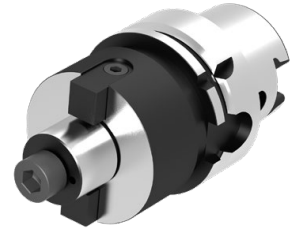
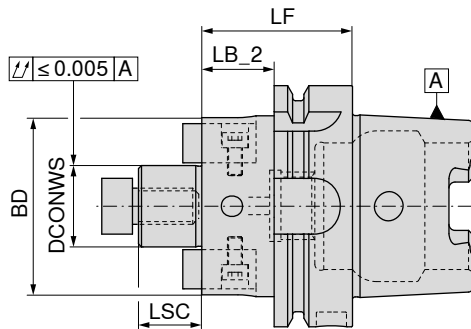
DCONWS	M4x8	10x7x20,5	M10x25
22	0.63 51700	8.87 51500	6.70 124
27	0.77 51800	10.11 51600	7.40 125

Shell mill adapter with reduced flange diameter

- ▲ Screwed drive dogs
- ▲ also available with Balluff chip **on request**

Scope of supply:

Base body with retaining screw and drive dog



G 2,5 n_{max} 25000

82 315 ...

£

Y8

203.49 12257

203.49 12757

206.22 12255

206.22 12755

short	Adapter	DCONWS mm	LB_2 mm	LF mm	BD mm	LSC mm		
	HSK-A 63	22	34	60	38	19		
	HSK-A 63	27	34	60	48	21		
	HSK-A 100	22	31	60	38	19		
	HSK-A 100	27	31	60	48	21		



Screw for drivers



Driver



clamping screw

83 950 ...

£

Y8

0.63 51700

0.77 51800

83 950 ...

£

Y8

8.87 51500

10.11 51600

83 950 ...

£

Y8

6.70 124

7.40 125

Spare parts

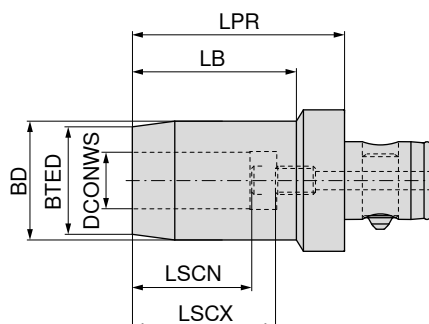
DCONWS								
22	M4x8	0.63	51700	10x7x20,5	8.87	51500	M10x25	6.70 124
27	M4x8	0.77	51800	12x9x24,3	10.11	51600	M12x30	7.40 125

Hydraulic chuck with ABS connection

▲ for solid carbide and HSS shanks to h6 tolerance or better

Scope of supply:

Base body including backstop screw



NEW



84 253 ...

Adapter	DCONWS mm	BTED mm	BD mm	LPR mm	LB mm	LSCX mm	LSCN mm	£ Y8	
ABS 40	6	22	26	55	36.5	37	27	759.00	00688
ABS 40	8	24	28	60	42.0	37	27	759.00	00888
ABS 40	10	26	30	65	47.5	41	31	759.00	01088
ABS 40	12	28	32	65	48.0	46	36	759.00	01288
ABS 50	6	22	26	55	33.5	37	27	850.00	00697
ABS 50	8	24	28	55	34.0	37	27	850.00	00897
ABS 50	10	26	30	65	45.0	41	31	850.00	01097
ABS 50	12	28	32	65	45.5	46	36	850.00	01297
ABS 50	14	30	34	65	46.0	46	36	850.00	01497
ABS 50	16	34	38	70	52.0	49	39	850.00	01697
ABS 50	18	36	40	70	52.5	49	39	850.00	01897
ABS 50	20	38	42	75	58.0	51	41	850.00	02097
ABS 63	20	38	42	78	56.0	51	41	1,080.00	02096
ABS 63	25	53	57	85	60.0	57	47	1,080.00	02596
ABS 63	32	60	64	90	61.0	61	51	1,080.00	03296



Stop screw IK

83 950 ...

Spare parts for Article no.

	£ Y7	
84 253 00688	M5x12,5 - SW2,5 19.83	418
84 253 00888	M6x12,5 - SW3 19.83	419
84 253 01088	M8x1x13,5 - SW3 19.83	420
84 253 01288	M10x1x13,5 - SW5 19.83	421
84 253 00697	M5x12,5 - SW2,5 19.83	418
84 253 00897	M6x12,5 - SW3 19.83	419
84 253 01097	M8x1x13,5 - SW3 19.83	420
84 253 01297	M10x1x13,5 - SW5 19.83	421
84 253 01497	M10x1x13,5 - SW5 19.83	421
84 253 01697	M10x1x13,5 - SW5 19.83	421
84 253 01897	M10x1x13,5 - SW5 19.83	421
84 253 02097	M16x1x13,5 - SW5 22.87	423
84 253 02096	M16x1x13,5 - SW5 22.87	423
84 253 02596	M16x1x13,5 - SW5 22.87	423
84 253 03296	M16x1x13,5 - SW5 22.87	423

SBF 3-jaw chuck (Ø 200 mm) with console

- ▲ Suitable for 5-axis machining of round components
- ▲ Compatible with PNG and MNG zero point clamping systems
- ▲ Quick change jaw system with single release of jaws
- ▲ Spindle with hex connection

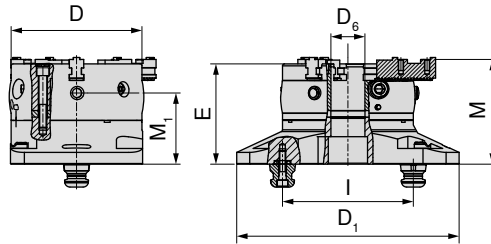
Scope of supply:

SBF 3-jaw chuck (Ø 200 mm) incl. console (PNG and MNG-compatible) without clamping bolt

1 set GBA base jaws

1 set SB-H stepped jaws

6 fixing screws and clamping key



NEW

80 913 ...

£

Y4

3,559.50 20000

D	D ₁	D ₆	E	I	M	M ₁	MXC	TQX	DRVS	Stroke / jaw	Tooth pitch	WT
mm	mm	mm	mm	mm	mm	mm	kN	Nm	mm	mm	mm	kg
200	340	52	153,3	200	160,1	108,8	100	120	12	7	4.8	49.5

SBF 3-jaw chuck (Ø 315 mm) with console

- ▲ Suitable for 5-axis machining of round components
- ▲ Compatible with PNG and MNG zero point clamping systems
- ▲ Quick change jaw system with single release of jaws
- ▲ Spindle with hex connection

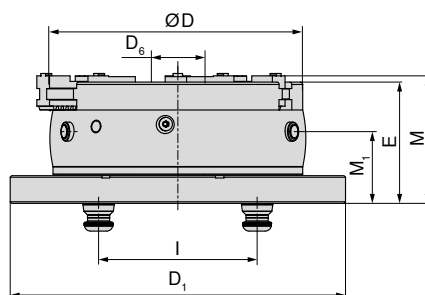
Scope of supply:

SBF 3-jaw chuck (Ø 315 mm) incl. console (PNG and MNG-compatible) without clamping bolt

1 set GBA base jaws

1 set SB-H stepped jaws

6 fixing screws and clamping key



NEW

80 913 ...

£

Y4

5,869.50 31500

D	D ₁	D ₆	E	I	M	M ₁	MXC	TQX	DRVS	Stroke / jaw	Tooth pitch	WT
mm	mm	mm	mm	mm	mm	mm	kN	Nm	mm	mm	mm	kg
315	423	92	153	200	160,86	90,5	180	220	16	9.9	7	95



The chuck is designed exclusively for stationary use – do not use while rotating!

System jaws overview

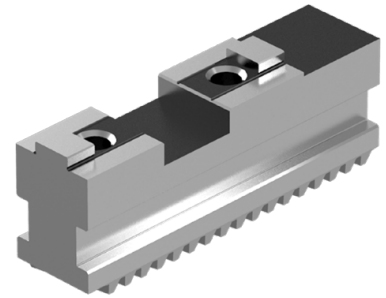
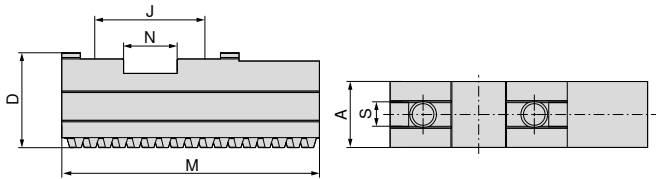
Base jaws (GBA) – set

- ▲ Base jaws with angled teeth
- ▲ Price per set of 3 pieces

Scope of supply:

3 base jaws with angled teeth
Including cylindrical screws

**SBF
3**



NEW

80 913 ...

£

Y4

215.25 50300

353.85 60300

for	A mm	D mm	J mm	M mm	N mm	S mm	G	WT kg
SBF-3.200	22	32	40	90	20	10	M8x1	1.2
SBF-3.315	32	43	54	125	26	12	M12x1,5	3.1

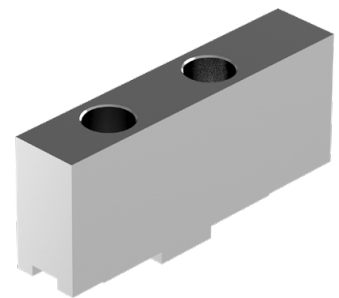
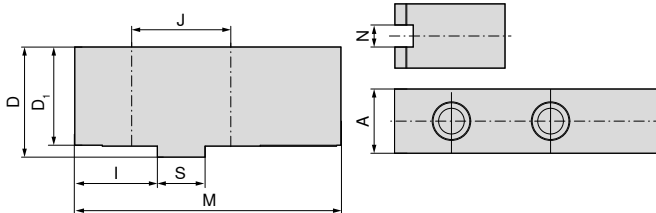
Soft top jaws (AB-W) – set

- ▲ Price per set of 3 pieces
- ▲ Material: 16MnCr5

Scope of supply:

3 soft top jaws

**SBF
3**



NEW

80 913 ...

£

Y4

41.90 50400

86.63 60400

for	A mm	D mm	D ₁ mm	I mm	J mm	M mm	N mm	S mm	Hole for	WT kg
SBF-3.200	22	47	43	35	40	105	10	20	M8	2.0
SBF-3.315	35	60	54	45	54	145	12	26	M12	5.6

System jaws overview

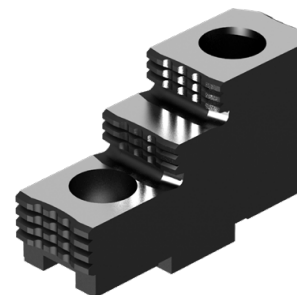
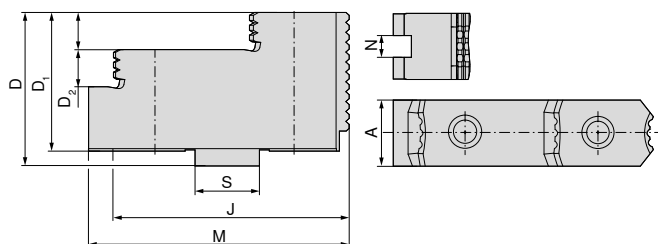
Hard stepped top jaws (AB-H) – set

▲ Price per set of 3 pieces

Scope of supply:

3 hard stepped top jaws

SBF
3



NEW

80 913 ...

for	A mm	D mm	D ₁ mm	D ₂ mm	J mm	M mm	N mm	S mm	Hole for	WT kg	£ Y4	
SBF-3.200	22	42	38	10	40	71,7	10	20	M8	2.4	180.60	50200
SBF-3.315	36	62	56	15	54	105	12	26	M12	3.3	265.65	60200

Hard stepped top jaws (SB-H) – set

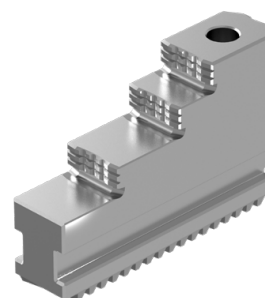
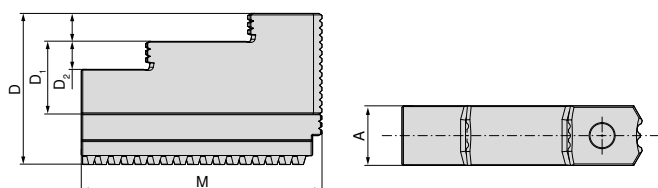
▲ Stepped block jaws with angled teeth

▲ Price per set of 3 pieces

Scope of supply:

3 hard stepped block jaws

SBF
3



NEW

80 913 ...

for	A mm	D mm	D ₁ mm	D ₂ mm	M mm	WT kg	£ Y4	
SBF-3.200	22	60	35	10	94	1.9	368.55	50100
SBF-3.315	32	81	46	15	129	5.5	581.70	60100



The CERATIZIT-WNT Pro Cycling Team

No other sport reflects the corporate values of CERATIZIT better than cycling. At the same time, it is directly related to the products that we develop, manufacture and sell every day, high-quality precision tools for the machining industry.



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TEAM CUTTING TOOLS



KOMET



klenk

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EFFICIENT BORE PRODUCTION**

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



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TOOL HOLDERS AND CLAMPING SOLUTIONS**

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FOR THE AEROSPACE INDUSTRY**

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