Turning Tools

- *Tool holder bits*
- *Cutting-off and grooving tools*
- *Threading turning tools*
- *Lathe tools*
- *Tool holders*
- *Boring bars*
- *Indexable inserts*
- *Knurling tools*

18

18.3 – 18.126

- *Circle cutters*
- *Minimum quantity lubrication systems*
- *Coolant hoses*
- *Lubricants and concentrates*
- *Emulsion mixing devices*
- *Refractometers*
- *Thread lubricant*
- *Chip guards*
- *Chip hooks*

19

19.1 – 19.10

Our suppliers for TURNING TOOLS:

ATORN®

HHW

CERATIZIT

KOMET®

LOC-LINE® FLEXI
DAS ORIGINAL

microjet® GmbH
Minimalmengenschmiersysteme

TAPMATIC

testo

zeus

zeus ECO

Info — Overview - outside tool holders

Clamping system “S”

Type	SCLCR/L 95°	SDJCR/L 93°	SDNCN 62,5°	SRDCN 90°	SSDCN 45°
For indexable inserts	CC..	DC..	DC..	RC..	SC..
Article number	18405 - 18406	18407 - 18410	18411	18400	18402
Catalogue page	18.34	18.34	18.35	18.35	18.35

Type	STGCR/L 90°	SVJBR/L 93°	SVJCR/L 93°	SVHCR/L 107,5°	SVVCN 72,5°
For indexable inserts	TC..	VB..	VC..	VC..	VC..
Article number	18416 - 18417	18420 - 18421	18418 - 18419	18424 - 18425	18428
Catalogue page	18.36	18.36	18.36	18.37	18.37

Clamping system “C”

Type	CKJNR/L 93°
For indexable inserts	KNUX
Article number	18430 - 18431
Catalogue page	18.38

Clamping system “P”

Type	PCBNR/L 75°	PCKNR/L 75°	PCLNR/L 95°	PWLNR/L 95°	PSSNR/L 45°
For indexable inserts	CN..	CN..	CN..	WN..	SN..
Article number	18440 - 18441	18442 - 18443	18444 - 18445	18446 - 18447	18448 - 18449
Catalogue page	18.38	18.39	18.39	18.39	18.40

Type	PSDNN 45°	PTGNR/L 90°	PDJNR/L 93°
For indexable inserts	SN..	TN..	DN..
Article number	18450	18451 - 18452	18453 - 18454
Catalogue page	18.40	18.40	18.41

Clamping system “M”

Type	MTJNR/L 93°	MVJNR/L 93°	MWLNR/L 95°
For indexable inserts	TN..	VN..	WN..
Article number	18460 - 18461	18464 - 18465	18462 - 18463
Catalogue page	18.41	18.41	18.42

Info — Overview - boring bars

Clamping system “S”

Type	SCLCR/L 95°	STFCR/L 90°	SDUCR/L 93°	SDQCR/L 107,5°	SVUCR/L 93°
For indexable inserts	CC..	TC..	DC..	DC..	VC..
Article number	18482 - 18487	18490 - 18491	18494 - 18519	18498 - 18501	18512 - 18513
Catalogue page	18.46 - 18.47	18.48	18.48 - 18.49	18.50	18.50

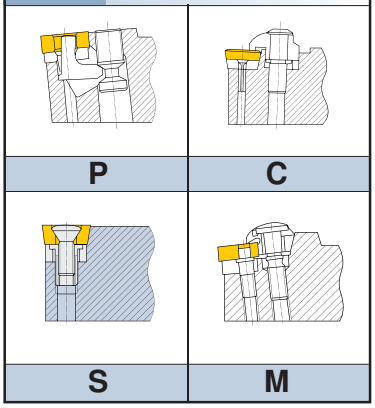
Type	SVQCR/L 107,5°
For indexable inserts	VC..
Article number	18516 - 18517
Catalogue page	18.51

Clamping system “P”

Type	PCLNR/L 95°	PDUNR/L 93°	PWLNR/L 95°
For indexable inserts	CN..	DN..	WN..
Article number	18522 - 18523	18526 - 18527	18530 - 18531
Catalogue page	18.51	18.51	18.52

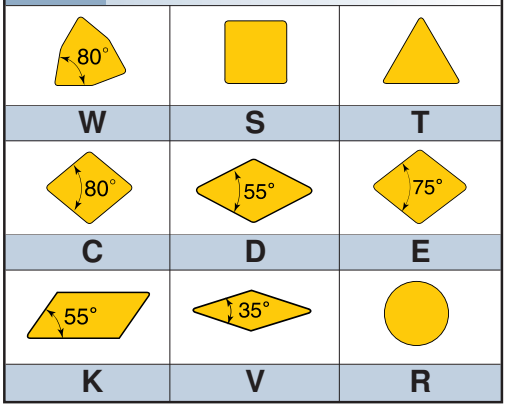
Standard designation for ISO tool holders (I)

1 CLAMPING SYSTEM



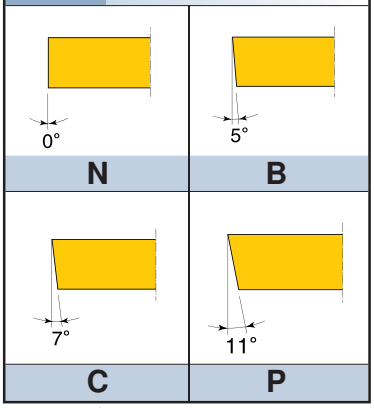
P	C
S	M

2 TIP SHAPE



W	S	T
C	D	E
K	V	R

4 RELIEF ANGLE



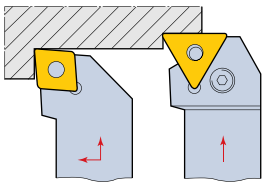
N	B
C	P

P	C	L	N	R
1	2	3	4	5

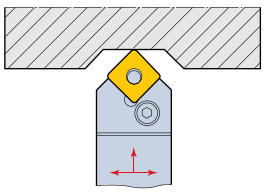
3 SETTING ANGLE

Symbol	Form	Symbol	Form	Symbol	Form
A	90°	J	93°	V	72.5°
	90°	K	75°	W	60°
B	75°	L	95°	X	Special
	75°	M	50°	C	90°
D	45°	N	63°	H	85°
E	60°	R	75°	Q	45°
F	90°	S	45°		
G	90°	T	60°		
	90°	U	93°		

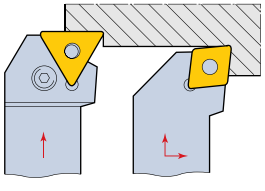
5 CUTTING DIRECTION



R



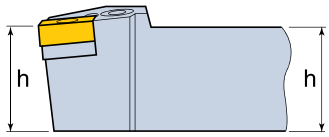
N



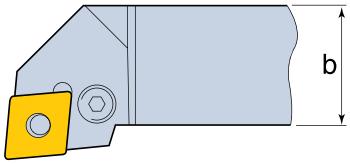
L

Standard designation for ISO tool holders (II)

6 SHANK HEIGHT



7 SHANK WIDTH

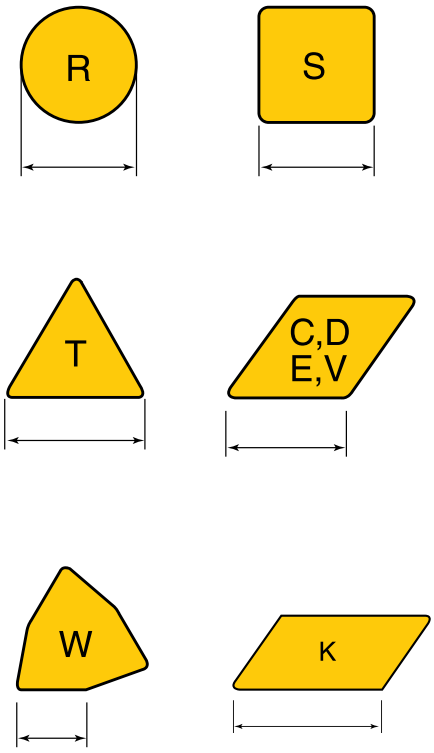


25	25	M	12
6	7	8	9

8 LENGTH OF THE HOLDER

L (mm)	Symbol	L (mm)	Symbol
32	A	160	N
40	B	170	P
50	C	180	Q
60	D	200	R
70	E	250	S
80	F	300	T
90	G	350	U
100	H	400	V
110	J	450	W
125	K	500	Y
140	L	Special	X
150	M		

9 CUTTING EDGE LENGTH

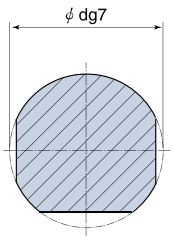


Standard designation for ISO boring bars

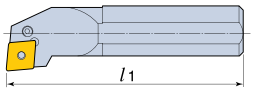
1 BORING BAR

S	Steel shank
A	Steel shank with IKZ
AH	HSS shank with IKZ
C	Solid carbide Shank
E	Solid carbide Shank with IKZ

2 SHANK Ø

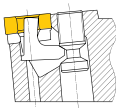


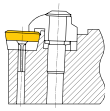
3 LENGTH OF THE HOLDER

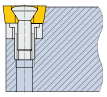


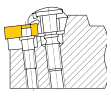
K	125	**U**	350
M	150	**V**	400
Q	180	**W**	450
R	200	**Y**	500
S	250	**X**	Special
T	300		

4 CLAMPING SYSTEM









S	32	S	-	C	T	F	P	R	-	16	-	
1	2	3		4	5	6	7	8		9		10

5 TIP FORM

W

S

T

C

D

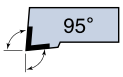
E

K

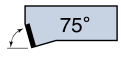
V

R

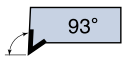
6 SETTING ANGLE



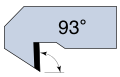
L



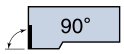
K



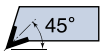
U



Z

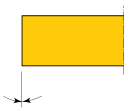


F

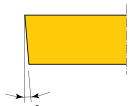


Q

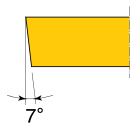
7 RELIEF ANGLE



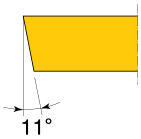
N



B



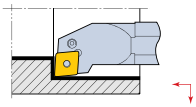
C



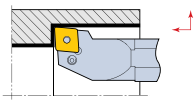
P

8 CUTTING DIRECTION

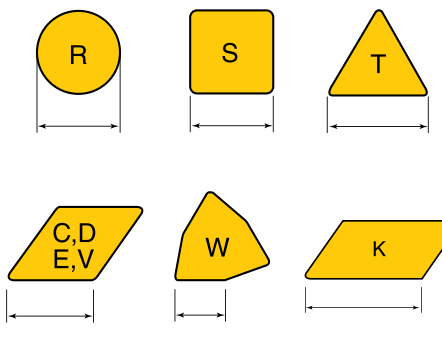
R



L



9 CUTTING EDGE LENGTH



10 SUPPLEMENTAL INFORMATION

This information is not a component of the standard and thus is left to the discretion of the supplier.

In compliance with ISO, for external and internal machining. For NC and CNC controlled machine tools, but also suitable for standard lathes.

Machining tools, which can be equipped with carbide blades of different kinds and shapes or with TiN, TiC and Al-O-N-coated carbide tools, offer special solutions for almost all machining tasks. Cutting rates and machine performances are improved.

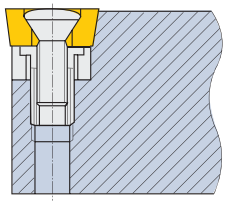
A broad spectrum of chip deflection steps enables short, broken chips – a prerequisite for use on modern machine tools with encapsulated workspaces.

ISO indexable inserts and boring bars are available with 4 clamping systems:

System S

For indexable inserts with centre bore.

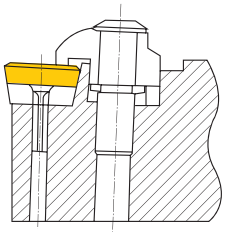
Mounting by means of centre screw.



System C

For indexable inserts without bore (tips DIN 4968).

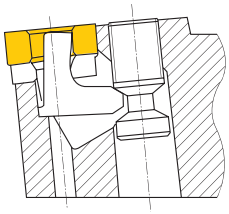
Mounting only by means of clamping claw.



System P

For indexable inserts with centre bore.

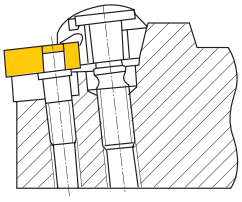
Mounting by means of clamping lever.



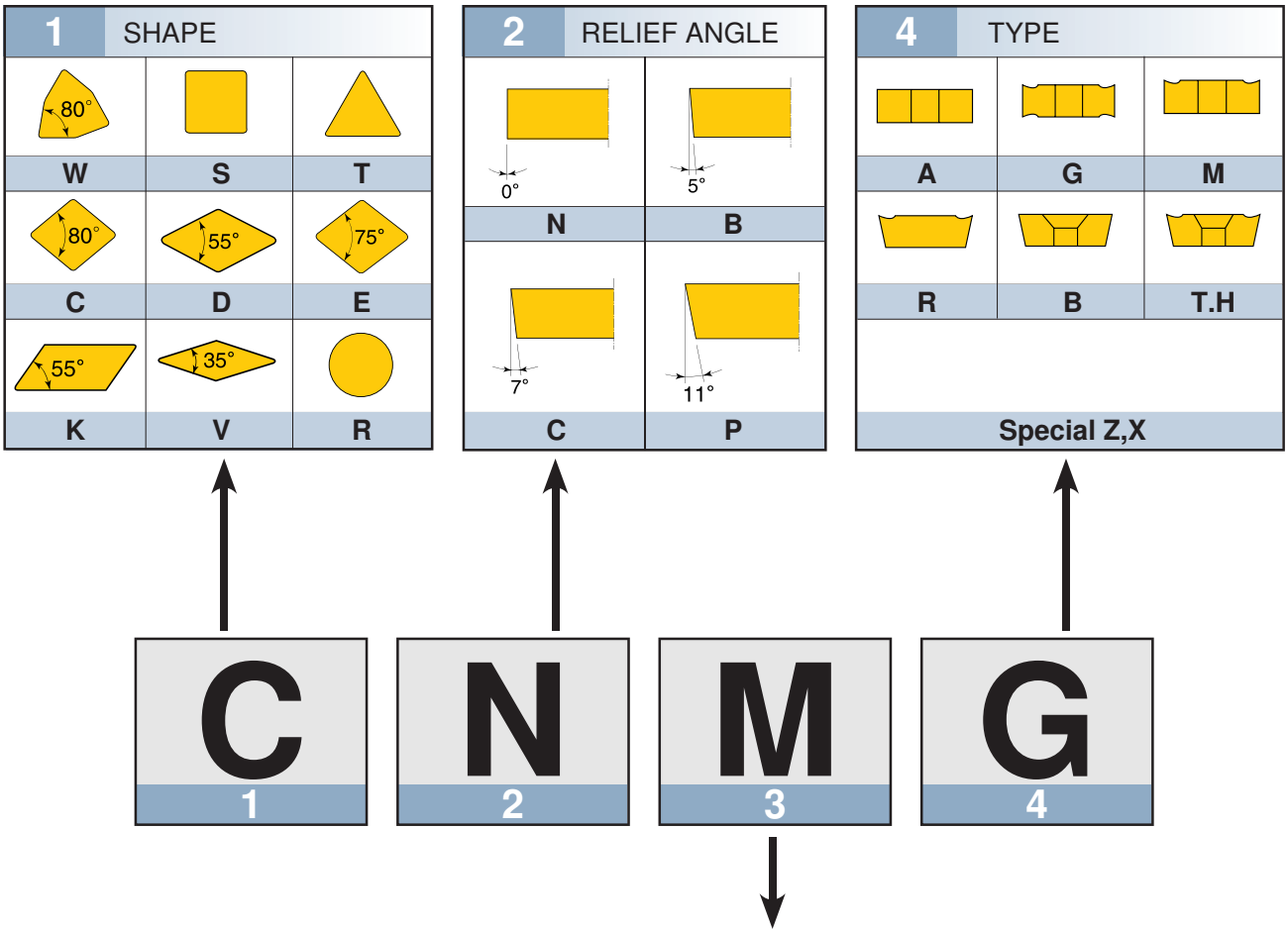
System M

For indexable inserts with centre bore.

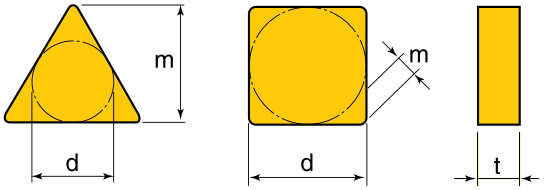
Mounting by means of wedge type clamping claw.



Standard designation for ISO indexable inserts (I)



3 TOLERANCE

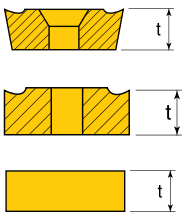


Tolerance class	m	t	d
A	± 0.005	± 0.025	± 0.025
A	± 0.13	± 0.025	± 0.025
U	± 0.08 - ± 0.18	± 0.13	± 0.05 - ± 0.13
U	± 0.13 - ± 0.38	± 0.13	± 0.08 - ± 0.25

Incircle Diameter	Tolerance			
	m		d	
	M	U	M	U
6.35	± 0.08	± 0.13	± 0.05	± 0.08
9.52	± 0.08	± 0.13	± 0.05	± 0.08
12.70	± 0.13	± 0.20	± 0.08	± 0.13
15.87	± 0.15	± 0.27	± 0.10	± 0.18
19.05	± 0.15	± 0.27	± 0.10	± 0.18
25.40	± 0.18	± 0.38	± 0.13	± 0.25
31.75	± 0.18	± 0.38	± 0.13	± 0.25

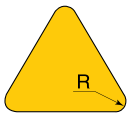
Standard designation for ISO indexable inserts (II)

6 THICKNESS



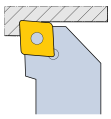
01 = 1.59
T1 = 1.98
02 = 2.38
03 = 3.18
T3 = 3.97
04 = 4.76
05 = 5.56
06 = 6.35
07 = 7.94
09 = 9.52

7 CORNER RADIUS

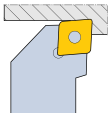


00 = Sharp
02 = 0.2 mm
04 = 0.4 mm
05 = 0.5 mm
08 = 0.8 mm
12 = 1.2 mm
16 = 1.6 mm
20 = 2.0 mm
24 = 2.4 mm
32 = 3.2 mm

8 CUTTING DIRECTION



R Right-hand version



L Left-hand version

9 CHIP FORMING DESIGNATION

12	04	08	(R)	
5	6	7	8	9

5 CUTTING EDGE LENGTH

Incircle (mm)	C	D	E	R	S	T	V	W	K
5.56	05	06			05	09	09	03	
6.35	06	07			06	11	11	04	
8.00				08					
9.52	09	11		09	09	16	16	06	16
10.00		12		10					
12.00				12					
12.70	12	15	13		12	22	22	08	
15.88	16	19		15	15	27	27	10	
16.00				16					16
19.05	19	23		19	19	33	33	13	
20.00				20					
25.00				25					
25.40	25	31		25	25	44			

ATORN®

Selection carbide metal qualities

ISO	Type	Material	ISO range	Recommended application area
P	HC7610	Steel	P01-P20	Highly wear-resistant type for small to medium chip sections,
K		GG, GGG	K15-K25	High cutting speeds under good conditions
P	HC7620	Steel	P10-P30	Wear-resistant type for medium to large chip sections,
K		GG, GGG	K25-K35	Medium to high cutting speeds under good to medium conditions
P	HC7630	Steel	P20-P40	Extremely ductile type for medium to large chip sections, medium cutting speeds under moderate and poor conditions
M	HC7510	VA-steel	M01-M20	Highly wear-resistant type for small to medium chip sections,
P		Steel	P15-P25	High cutting speeds under good conditions
M	HC7520	VA-steel	M10-M30	Wear-resistant type for medium to large chip sections,
S		Materials that are difficult to machine	S15-S25	Medium to high cutting speeds under good to medium conditions
M	HC7530	VA-steel	M20-M40	Highly wear-resistant type for small to medium chip sections,
S		Materials that are difficult to machine	S25-S35	High cutting speeds under good conditions
N	HC6310	Aluminium, copper	N05-N15	Wear-resistant type for small to medium chip sections,
M		VA-steel	M01-M05	Medium cutting speeds under good conditions
N	HW6310	Aluminium, copper, plastics	N05-N15	Wear-resistant type for small to medium chip sections, Medium cutting speeds under good conditions

Geometry - selection aid

ISO	Machining	Cutting depth mm	Feed mm / revolution	Geometry negative indexable insert	Geometry positive indexable insert
P	Finishing	0,5-2,0	0,10-0,30	FP	FP
	Medium machining	1,5-5,0	0,20-0,50	MP	MP
	Roughing	5,0-15,0	0,50-1,5	RP	-
K	Finishing	0,5-2,0	0,10-0,30	MP	-
	Medium machining	1,5-5,0	0,20-0,50	RP	MP
	Roughing	5,0-15,0	0,50-1,5	RP	MP
M	Finishing	0,5-2,0	0,10-0,30	FM	-
	Medium machining	1,5-5,0	0,20-0,50	MM	MP
	Roughing	5,0-15,0	0,50-1,5	RM	-
N	Finishing	0,5-2,0	0,10-0,30	-	MN
	Medium machining	1,5-5,0	0,20-0,50	-	MN
	Roughing	5,0-15,0	0,50-1,5	-	-
S	Finishing	0,5-2,0	0,10-0,30	FM	-
	Medium machining	1,5-5,0	0,20-0,50	MM	MP
	Roughing	5,0-15,0	0,50-1,5	RM	-

		Geometry negative indexable insert	Geometry positive indexable insert
Other influences	Cut interruption	RP	MP
	Vibration tendency	FP/FM	FP
	Unstable machine conditions	FP/FM	FP
	Copy milling	FP/MP/FM/MM	FP/MP

Wiper geometry

- For high feed values with excellent surfaces
- Double feed at the same surface quality is possible

Geometry - wiper selection aid

ISO	Machining	Cutting depth mm	Feed mm / revolution	Geometry negative indexable insert	Geometry positive indexable insert
P	Finishing	0,8-2,0	0,15-0,40	WP	WP
	Medium machining	1,5-4,0	0,30-0,70	WP	WP
K	Finishing	0,8-2,0	0,15-0,40	WP	WP
	Medium machining	1,5-4,0	0,30-0,70	WP	WP

		Geometry negative indexable insert	Geometry positive indexable insert
Other influences	Cut interruption	WP	WP
	Vibration tendency	-	-
	Unstable machine conditions	-	-
	Copy milling	-	-

Please pay attention to the install position of the indexable inserts and the alignment of the holder:
Only use CNMG, CCMT and WNMG in holders with a setting angle of 95°!
The WIPER effect is only effective for longitudinal turning and facing!

ATORN®

Cutting data, approximate values

ISO	Material	Conditions		Cutting speed v_c (m/min)												
				Negative reversible cutting insert						Positive reversible cutting insert						
				HC7610	HC7620	HC7630	HC7510	HC7520	HC7530	HC7610	HC7620	HC7630	HC7520	HC7530	HC6310	HC6310
P	Unalloyed carbon steel	0,05-0,25% C		340-590	300-500	240-430	300-500	–	–	410-530	330-450	290-430	–	–	–	–
		0,25-0,55% C		230-360	180-300	140-240	180-300	–	–	250-320	210-270	190-240	–	–	–	–
		0,55-0,80% C		280-400	220-320	170-260	220-320	–	–	290-360	240-290	210-260	–	–	–	–
				210-300	160-250	110-200	160-250	–	–	210-270	160-230	140-200	–	–	–	–
	Low-alloy steel	unhardened		280-440	220-370	190-300	220-370	–	–	290-400	240-330	210-300	–	–	–	–
		Quenched and tempered		190-300	140-250	110-190	140-250	–	–	210-270	160-230	140-190	–	–	–	–
	High alloy Steel	Annealed		210-460	160-380	120-300	160-380	–	–	290-420	240-340	210-300	–	–	–	–
	Tool steel			210-460	160-380	120-300	160-380	–	–	290-420	240-340	210-300	–	–	–	–
				100-230	80-170	60-110	80-170	–	–	120-210	100-150	80-110	–	–	–	–
M	Stainless Steel	Martensitic/ferritic		150-270	110-210	100-160	110-210	130-190	110-150	170-240	130-190	110-160	130-170	110-140	–	–
		Austenitic		–	–	–	130-310	110-260	90-220	–	–	–	110-240	90-200	200-220	–
K	GG	Low tensile strength		210-500	180-440	–	–	–	–	260-450	230-400	–	–	–	–	–
		High tensile strength		130-270	110-240	–	–	–	–	170-250	150-220	–	–	–	–	–
	GGG	Ferritic		150-290	140-260	–	–	–	–	190-260	160-230	–	–	–	–	–
		Pearlitic		130-210	110-180	–	–	–	–	140-190	130-160	–	–	–	–	–
	Malleable cast iron	Short-chipping		230-330	200-300	–	–	–	–	250-300	230-270	–	–	–	–	–
		Long-chipping		110-240	100-220	–	–	–	–	140-220	130-260	–	–	–	–	–
N	Aluminium wrought alloys	Not heat-treatable		–	–	–	–	–	–	–	–	–	–	–	1560-2880	1300-2400
		Heat-treatable		–	–	–	–	–	–	–	–	–	–	–	360-900	300-750
	Aluminium cast iron alloys	to 12% Si, cannot be heat-treated		–	–	–	–	–	–	–	–	–	–	–	360-960	300-800
		to 12% Si, heat treatable		–	–	–	–	–	–	–	–	–	–	–	240-600	200-500
	Copper and copper alloys (bronze/brass)	Machine st. alloy, Pb > 1%		–	–	–	–	–	–	–	–	–	–	–	320-720	270-600
		Brass, red brass		–	–	–	–	–	–	–	–	–	–	–	300-480	250-400
		Bronze, lead-free copper electrolytic copper		–	–	–	–	–	–	–	–	–	–	–	160-340	130-280
	Non-ferrous materials	Thermoset plastics, fibre-reinforced plastics		–	–	–	–	–	–	–	–	–	–	–	240-360	200-300
		Hard rubber		–	–	–	–	–	–	–	–	–	–	–	360-540	300-450
S	Heat-resistant alloy	Fe-based	Annealed	–	–	–	–	–	–	–	–	–	60-90	50-80	90-110	–
			Hardened	–	–	–	–	–	–	–	–	–	50-70	40-60	70-80	–
		Ni-based Co-based	Annealed	–	–	–	–	–	–	–	–	–	40-70	30-60	50-60	–
			Hardened	–	–	–	–	–	–	–	–	–	50-70	30-80	25-60	–
			Cast	–	–	–	–	–	–	–	–	–	30-50	20-40	25-50	–
	Titanium alloy	Pure titanium		–	–	–	–	–	–	–	–	–	–	–	160-220	–
		Alpha + beta alloys, hardened		–	–	–	–	–	–	–	–	–	40-60	–	60-100	–

= Sales are restricted to the packaging units mentioned in the catalogue. Purchase orders must be in units.

Technical information for ISO indexable inserts

Coated carbide types:

H 42 (HC - P30) Multi-layer coated, outstanding ductility. Medium to rough machining, also stainless steel, also higher cutting speeds.

H 45 (HC - P25) TiCN coated. Carbon steel, stainless steel, alloyed steel, tool steel.

H 60 (HC - P15) Ceramic Al-O-N multi-layer coating. Excellent wear-resistance and lime scale resistance. Multi-purpose type for general machining.

Uncoated carbide types:

H 12 (HW - P25) Balance ratio of wear resistance and ductility in the medium work range of steel machining.

H 20 (HW - K15) Good ductility and stability.
Gen. Machining of short-chipping cast-iron materials, turning of non-ferrous metals (Al and Cu alloys) and plastics.

H 25-ALU Extremely well-suited for finish machining to medium machining of aluminium.

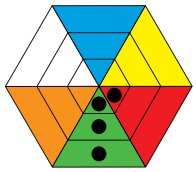
Cermet:

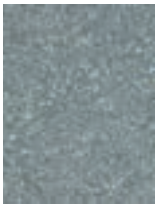
H 05 (HT - P10) For smoothing and finish turning of steel and spheroidal cast iron at medium to high speeds and feeds. Minimal tendency to adhere, thus also well suited for machining of stainless steel.

	P Unalloyed and alloyed steel and cast steel stainless, ferritic steel and cast steel						**M** Stainless, austenitic steel and cast steel				**K** Grey cast iron, malleable cast iron, spheroidal graphite cast iron, NF metals, plastics			
DIN ISO 513	**P01**	**P10**	**P20**	**P30**	**P40**	**P50**	**M10**	**M20**	**M30**	**M40**	**K01**	**K10**	**K20**	**K30**
HC Carbide coated			H 42					H 42					H 42	
			H 45									H 45		
HW Carbide uncoated		H 12												
												H 20		
												H 25		
HT Cermet	H 05						H 05							

Type description and chip deflection overview

H10T
HW-K15





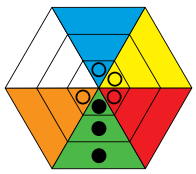
Ductility
0 2 4 6 8 10

Wear resistance
0 2 4 6 8 10

Characteristics/application:

- Ideally suited for aluminium
- High wear resistance
- High temperature stability
- Minimal adhesion tendency

AMZ
HC-K10



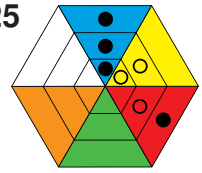
Ductility
0 2 4 6 8 10

Wear resistance
0 2 4 6 8 10

Characteristics/application:

- Ideally suited for aluminium, cast iron
- Minimal adhesion tendency

CTCP125
HC-P25
HC-M20
HC-K30



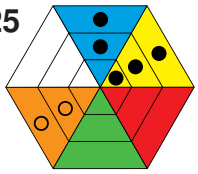
Ductility
0 2 4 6 8 10

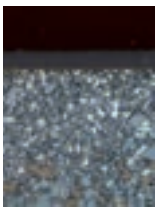
Wear resistance
0 2 4 6 8 10

Characteristics/application:

- Ideally suited for steel and cast iron materials
- High wear resistance
- High ductility

CTPM125
HC-P35
HC-M25





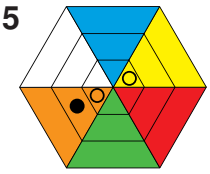
Ductility
0 2 4 6 8 10

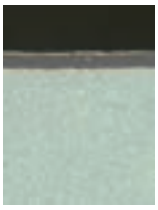
Wear resistance
0 2 4 6 8 10

Characteristics/application:

- Ideally suited for stainless steels and high-alloy materials
- High wear resistance
- High ductility

CTP5115
HC-M15
HC-S15





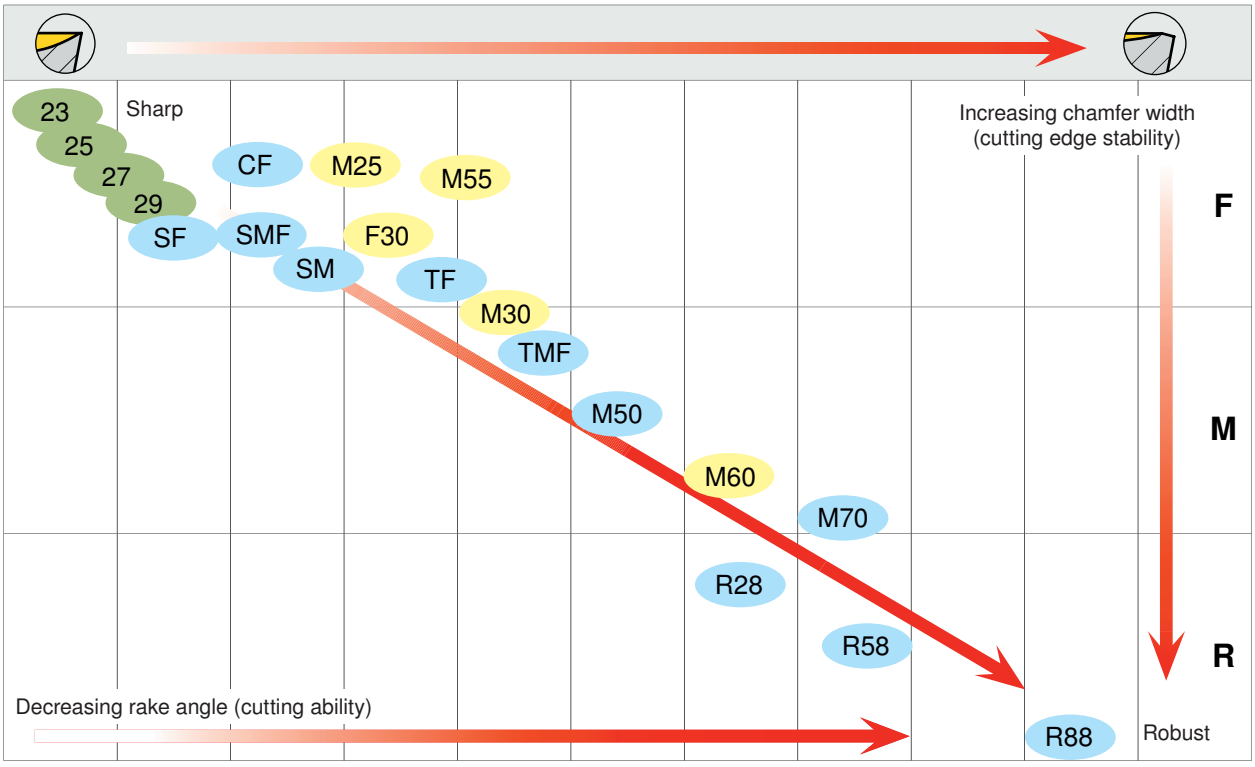
Ductility
0 2 4 6 8 10

Wear resistance
0 2 4 6 8 10

Characteristics/application:

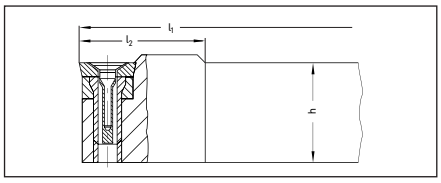
- Ideally suited for titanium, titanium alloys, heat-resistant and high-temperature steels
- Extremely high wear resistance

Chip deflection step overview - turning



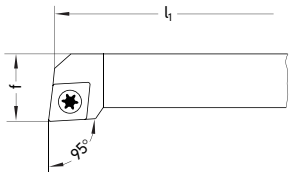
Info — Tool holders system S

Tool holder for indexable inserts
with central bore
Mounting by means of central bolt.



18405 - 18406 Tool holders SCLCR/L

Type
Setting angle 95°.
Use
For indexable inserts CC..



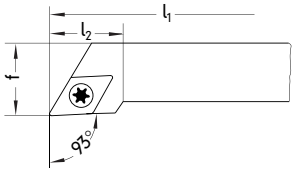
18405

ISO designation	l_1 mm	f mm	for indexable inserts	Right-hand 18405	...	Left-hand 18406	...
SCLCR/L 1010 E06	70	12	CC.. 0602..		102		102
SCLCR/L 1212 F09-T3	80	16	CC.. 09T3..		103		103
SCLCR/L 1616 H09-T3	100	20	CC.. 09T3..		104		104
SCLCR/L 2020 K09-T3	125	20	CC.. 09T3..		105		105
SCLCR/L 1616 H12	100	20	CC.. 1204..		106		106
SCLCR/L 2020 K12	125	25	CC.. 1204..		107		107
SCLCR/L 2525 M12	150	32	CC.. 1204..		108		108

Spare parts		Clamping screw 10		Screwdriver		Support plate		Threaded bush		Wrench	
Insert size	TORX® size T	18470	...	52529	...	18471	...	18472	...	51809	...
6 mm	8	723		403							
9 mm	15	724		406		712		720		107	
12 mm	15	722		406		741		723		109	

18407 - 18410 Tool holders SDJCR/L

Type
Setting angle 93°.
Use
For indexable inserts DC..



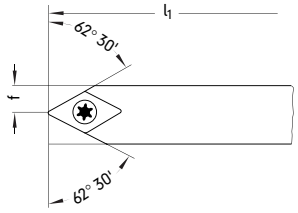
18407

ISO designation	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 18407	...	Left-hand 18410	...
SDJCR/L 1010 E07	70	17	12	DC.. 0702..		102		102
SDJCR/L 1212 F11	80	29	16	DC.. 11T3..		103		103
SDJCR/L 1616 H11	100	29	20	DC.. 11T3..		104		104
SDJCR/L 2020 K11	125	29	25	DC.. 11T3..		105		105
SDJCR/L 2525 M11	150	33	32	DC.. 11T3..		106		106

Spare parts		Clamping screw 10		Screwdriver		Support plate		Threaded bush		Wrench	
Insert size	TORX® size T	18470	...	52529	...	18471	...	18472	...	51809	...
7 mm	8	723		403							
11 mm	15	724		406		713		720		108	

18411 Tool holders SDNCN

Type
Setting angle 62° 30'.
Use
For indexable inserts DC..



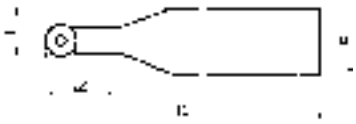
18411

ISO designation	l_1 mm	f mm	for indexable inserts	neutral 18411 ...
SDNCN 1010 E07	70	5,0	DC.. 0702..	102
SDNCN 1212 F11	80	6,0	DC.. 11T3..	103
SDNCN 1616 H11	100	8,0	DC.. 11T3..	104
SDNCN 2020 K11	125	10,0	DC.. 11T3..	105
SDNCN 2525 M11	150	12,5	DC.. 11T3..	106

Spare parts		Clamping screw 10	Screwdriver	Support plate	Threaded bush	Wrench
Insert size	TORX® size T	18470 ...	52529 ...	18471 ...	18472 ...	51809 ...
7 mm	8	723	403			107
11 mm	15	724	406	713	720	107

18400 Tool holders SRDCN

Use
For indexable inserts RC..



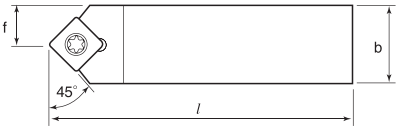
18400

ISO designation	b mm	l_1 mm	l_2 mm	f mm	for indexable inserts	neutral 18400 ...
SRDCN 1010 E06	10	70	10	8,0	RC.. 0602..	098
SRDCN 1212 F06	12	80	12	9,0	RC.. 0602..	099
SRDCN 1616 H06	16	100	12	11,0	RC.. 0602..	100
SRDCN 1010 E08	10	70	12	9,0	RC.. 0803..	101
SRDCN 1616 H08	16	100	16	12,0	RC.. 0803..	103

Spare parts		Clamping screw 10	Screwdriver
Insert size	TORX® size T	18470 ...	52529 ...
6 mm	8	726	403
8 mm	8	721	403

18402 Tool holders SSDCN

Type
Setting angle 45°.
Use
For indexable inserts SCM..



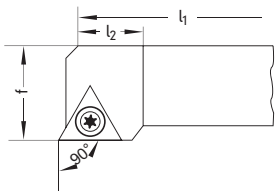
18402

ISO designation	b mm	l mm	f mm	for indexable inserts	neutral 18402 ...
SSDCN 1212 F09	12	80	6,0	SCM. 09T3	098
SSDCN 1616 H09	16	100	8,0	SCM. 09T3	099
SSDCN 2020 K09	20	125	10,0	SCM. 09T3	100
SSDCN 1616 H12	16	100	8,0	SCM. 1204..	101
SSDCN 2020 K12	20	125	10,0	SCM. 1204..	102
SSDCN 2525 M12	25	150	12,5	SCM. 1204..	103

Spare parts		Clamping screw 10	Screwdriver	Support plate	Threaded bush	Wrench
Insert size	TORX® size T	18470 ...	52529 ...	18471 ...	18472 ...	51809 ...
9 mm	15	738	406			
12 mm	15	722	406	716	723	109

18416 - 18417 Tool holders STGCR/L

Type
Setting angle 90°.
Use
For indexable inserts TC..



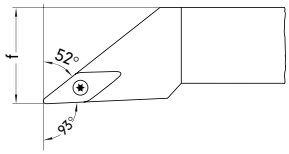
18416

ISO designation	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 18416 ...	Left-hand 18417 ...
STGCR/L 1616 H11	100	16	20	TC.. 1102..	100	100
STGCR/L 1616 H16	100	20	20	TC.. 16T3..	101	101
STGCR/L 2020 K16	125	20	25	TC.. 16T3..	102	102
STGCR/L 2525 M16	150	20	32	TC.. 16T3..	103	103

Spare parts		Clamping screw 10	Screwdriver	Support plate	Threaded bush	Wrench
Insert size	TORX® size T	18470 ...	52529 ...	18471 ...	18472 ...	51809 ...
11 mm	8	726	403			
16 mm	15	724	406	721	720	107

18420 - 18421 Tool holders SVJBR/L

Type
Setting angle 93°.
Use
For indexable inserts VB..



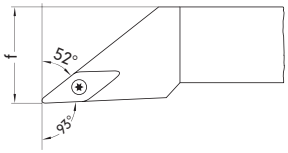
18420

ISO designation	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 18420 ...	Left-hand 18421 ...
SVJBR/L 2020 K16	125	36	25	VB.. 1604..	102	102
SVJBR/L 2525 M16	150	36	32	VB.. 1604..	103	103

Spare parts		Clamping screw 10	Screwdriver	Support plate	Threaded bush	Wrench
Insert size	TORX® size T	18470 ...	52529 ...	18471 ...	18472 ...	51809 ...
16 mm	15	724	406	733	720	107

18418 - 18419 Tool holders SVJCR/L

Type
Setting angle 93°.
Use
For indexable inserts VC..



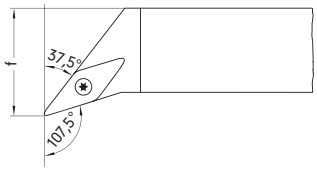
18418

ISO designation	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 18418 ...	Left-hand 18419 ...
SVJCR/L 1212 F11	80	23	16	VC.. 1103..	102	102
SVJCR/L 1616 H11	100	23	20	VC.. 1103..	103	103
SVJCR/L 2020 K11	125	23	25	VC.. 1103..	104	104
SVJCR/L 1616 H16	100	34	20	VC.. 1604..	107	107
SVJCR/L 2020 K16	125	34	25	VC.. 1604..	108	108
SVJCR/L 2525 M16	150	35	32	VC.. 1604..	109	109

Spare parts		Clamping screw 10	Screwdriver	Support plate	Threaded bush	Wrench
Insert size	TORX® size T	18470 ...	52529 ...	18471 ...	18472 ...	51809 ...
11 mm	8	726	403			
16 mm	15	737	406	719	719	106

18424 - 18425 Tool holders SVHCR/L

Type
Setting angle 107,5°.
Use
For indexable inserts VC..



18424

ISO designation	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 18424 ...	Left-hand 18425 ...
SVHCR/L 2020 K16	125	27	25	VC.. 1604..	201	201
SVHCR/L 2525 M16	150	27	32	VC.. 1604..	202	202

Spare parts		Clamping screw 18470 ...	Screwdriver 52529 ...	Support plate 18471 ...	Threaded bush 18472 ...	Wrench 51809 ...
Insert size	TORX® size T					
16 mm	15	724	406	733	720	107

18428 Tool holders SVVCN

Type
Setting angle 72,5°.
Use
For indexable inserts VC..

18428

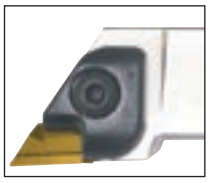
ISO designation	l_1 mm	f mm	for indexable inserts	neutral 18428 ...
SVVCN 1212 F11	80	6,0	VC.. 1103..	101
SVVCN 1616 H11	100	8,0	VC.. 1103..	102
SVVCN 2020 K11	125	10,0	VC.. 1103..	103
SVVCN 2020 K16	125	10,0	VC.. 1604..	105
SVVCN 2525 M16	150	12,5	VC.. 1604..	106

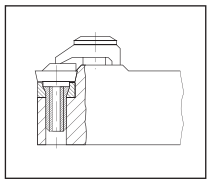
Spare parts		Clamping screw 18470 ...	Screwdriver 52529 ...	Support plate 18471 ...	Threaded bush 18472 ...	Wrench 51809 ...
Insert size	TORX® size T					
11 mm	8	726	403			
16 mm	15	737	406	729	720	107

Info — Tool holders system C

HW

For indexable inserts without bore.
Fastening only with clamp claw for
DIN 4968 indexable inserts.

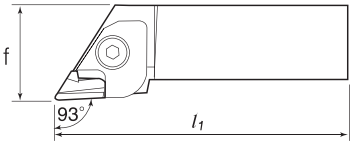




18430 - 18431 Tool holders CKJNR/L

HW

Type
Setting angle 93°.
Use
For indexable inserts
KNUX 1604.



18430

ISO designation	l_1 mm	f mm	for indexable inserts	Right-hand 18430 ...	Left-hand 18431 ...
CKJNR/L 2525 M16	150	32	KNUX 1604..	101	101
CKJNR/L 3225 P16	170	32	KNUX 1604..	102	

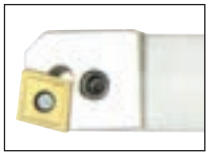
Spare parts	Claw	Wrench
Insert size	18470 ...	51809 ...
16 mm right-hand	801	109
16 mm left-hand	802	109

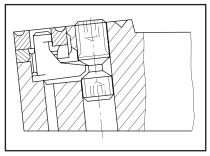
Spare parts	Spacer	Screw for spacer	Wrench
Insert size	18474 ...	18475 ...	51809 ...
16 mm right-hand	801	801	106
16 mm left-hand	802	801	106

Info — Tool holders system P

HW

For indexable inserts with central bore.
Mounting by means of clamping lever.

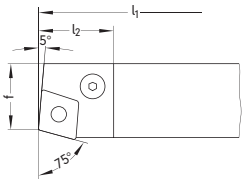




18440 - 18441 Tool holders PCBNR/L

HW

Type
Setting angle 75°.
Use
For indexable inserts CN..



18440

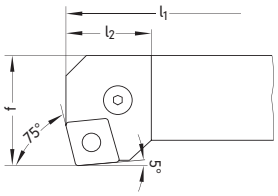
ISO designation	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 18440 ...	Left-hand 18441 ...
PCBNR/L 2020 K12	125	24	17	CN .. 1204..	301	301
PCBNR/L 2525 M12	150	25	22	CN .. 1204..	302	302

Spare parts	TORX® size T	Clamping screw 10	Screwdriver	Support plate	Sleeve 10	Clamping lever
Insert size		18470 ...	52529 ...	18471 ...	18474 ...	18475 ...
12 mm	15	730	406	725	720	720

= Sales are restricted to the packaging units mentioned in the catalogue. Purchase orders must be in units.

18442 - 18443 Tool holders PCKNR/L

Type
Setting angle 75°.
Use
For indexable inserts CN..



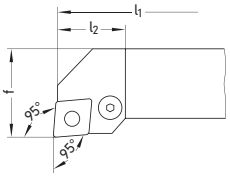
18442

ISO designation	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 18442	...	Left-hand 18443	...
PCKNR/L 2020 K12	125	25	25	CN .. 1204..		301		301
PCKNR/L 2525 M12	150	25	32	CN .. 1204..		302		302

Spare parts		Clamping screw 10	18470	...	Screwdriver 52529	...	Support plate 18471	...	Sleeve 10 18474	...	Clamping lever 18475	...
Insert size	TORX® size T											
12 mm	15		730		406		725		720		720	

18444 - 18445 Tool holders PCLNR/L

Type
Setting angle 95°.
Use
For indexable inserts CN..



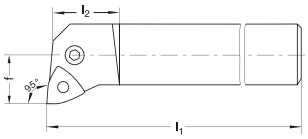
18444

ISO designation	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 18444	...	Left-hand 18445	...
PCLNR/L 2020 K12	125	28	25	CN .. 1204..		301		301
PCLNR/L 2525 M12	150	33	32	CN .. 1204..		302		302
PCLNR/L 3225 P12	170	33	32	CN .. 1204..		303		303
PCLNR/L 2525 M16	150	33	32	CN .. 1606..		304		304
PCLNR/L 3225 P16	170	33	32	CN .. 1606..		305		305

Spare parts		Clamping screw 10	18470	...	Screwdriver 52529	...	Support plate 18471	...	Sleeve 10 18474	...	Clamping lever 18475	...
Insert size	TORX® size T											
12 mm	15		730		406		725		720		720	
16 mm	10		734		405		739		726		727	

18446 - 18447 Tool holders PWLNR/L

Type
Setting angle 95°.
Use
For indexable inserts WN..



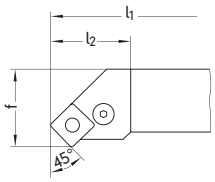
18446

ISO designation	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 18446	...	Left-hand 18447	...
PWLNR/L 2020 K06	125	28	25	WN .. 0604..		299		299
PWLNR/L 2525 M06	150	33	32	WN .. 0604..		300		300
PWLNR/L 2020 K08	125	28	25	WN .. 0804..		301		301
PWLNR/L 2525 M08	150	33	32	WN .. 0804..		302		302
PWLNR/L 3225 P08	170	33	32	WN .. 0804..		304		304

Spare parts		Clamping screw 10	18470	...	Screwdriver 52529	...	Support plate 18471	...	Sleeve 10 18474	...	Clamping lever 18475	...
Insert size	TORX® size T											
6 mm	10		733		405		738		725		726	
8 mm	15		730		406		734		720		720	

18448 - 18449 Tool holders PSSNR/L

Type
Setting angle 45°.
Use
For indexable inserts SN..



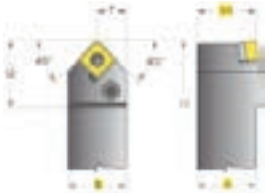
18448

ISO designation	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 18448	...	Left-hand 18449	...
PSSNR/L 2020 K12	125	30	25	SN .. 1204..	301		301	
PSSNR/L 2525 M12	150	30	32	SN .. 1204..	302		302	
PSSNR/L 3225 P12	170	32	32	SN .. 1204..	303		303	

Spare parts		Clamping screw 10	...	Screwdriver	...	Support plate	...	Sleeve 10	...	Clamping lever	...
Insert size	TORX® size T	18470		52529		18471		18474		18475	
12 mm	15	730		406		730		720		720	

18450 Tool holders PSDNN

Type
Setting angle 45°.
Use
For indexable inserts SN..



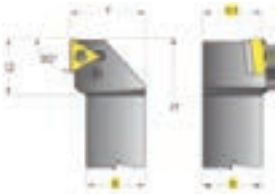
18450

ISO designation	l_1 mm	l_2 mm	f mm	for indexable inserts	neutral 18450	...
PSDNN 2020 K12	125	28	10,3	SN .. 1204..	301	
PSDNN 2525 M12	150	29	12,8	SN .. 1204..	302	

Spare parts		Clamping screw 10	...	Screwdriver	...	Support plate	...	Sleeve 10	...	Clamping lever	...
Insert size	TORX® size T	18470		52529		18471		18474		18475	
12 mm	15	730		406		730		720		720	

18451 - 18452 Tool holders PTGNR/L

Type
Setting angle 90°.
Use
For indexable inserts TN..



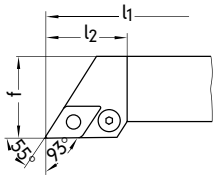
18451

ISO designation	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 18451	...	Left-hand 18452	...
PTGNR/L 2020 K16	125	20	25	TN .. 1604..	301		301	
PTGNR/L 2525 M16	150	21	32	TN .. 1604..	302		302	

Spare parts		Clamping screw 10	...	Screwdriver	...	Support plate	...	Sleeve 10	...	Clamping lever	...
Insert size	TORX® size T	18470		52529		18471		18474		18475	
16 mm	9	731		404		731		721		721	

18453 - 18454 Tool holders PDJNR/L

Type
Setting angle 93°.
Use
For indexable inserts DN..



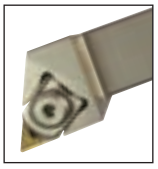
18453

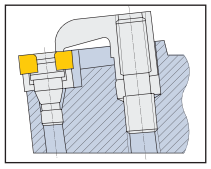
ISO designation	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 18453 ...	Left-hand 18454 ...
PDJNR/L 1616 H11	100	31	20	DN .. 1104..	298	298
PDJNR/L 2020 K11	125	28	25	DN .. 1104..	299	299
PDJNR/L 2020 K15	125	35	25	DN .. 1506..	301	301
PDJNR/L 2525 M15	150	39	32	DN .. 1506..	302	302
PDJNR/L 3225 P15	170	33	32	DN .. 1506..	303	303

Spare parts		Clamping screw 10	Screwdriver	Support plate	Sleeve 10	Clamping lever
Insert size	TORX® size T	18470 ...	52529 ...	18471 ...	18474 ...	18475 ...
11 mm	10	733	405	737	725	725
15 mm	15	732	406	732	720	722

Info Tool holders system M

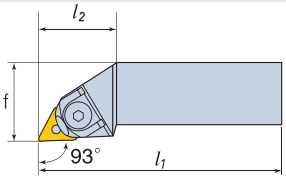
For indexable inserts with central bore.
Mounting by means of clamping claw.





18460 - 18461 Tool holders MTJNR/L

Type
Setting angle 93°.
Use
For indexable inserts TNM..



18460

ISO designation	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 18460 ...	Left-hand 18461 ...
MTJNR/L 2020-K16	125	32	25	TNM .. 16..	201	201
MTJNR/L 2525-M16	150	32	32	TNM .. 16..	202	202

Spare parts	Wrench	Clamping pin	Screw	Spacer
Insert size	51809 ...	18471 ...	18472 ...	18473 ...
16 mm	106	601	601	601

18464 - 18465 Tool holders MVJNR/L

Type
Setting angle 93°.
Use
For indexable inserts VN..

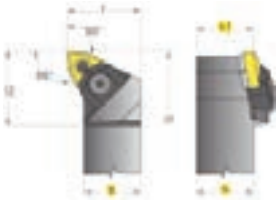
18464

ISO designation	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 18464 ...	Left-hand 18465 ...
MVJNR/L 2020-K16	125	32	25	VN .. 16..	101	101
MVJNR/L 2525-M16	150	32	32	VN .. 16..	102	102

Spare parts	Wrench	Clamping pin	Claw	Spacer
Insert size	51809 ...	18471 ...	18472 ...	18473 ...
16 mm	107	601	604	604

18462 - 18463 Tool holders MWLNR/L

Type
Setting angle 95°.
Use
For indexable inserts WN..



18462

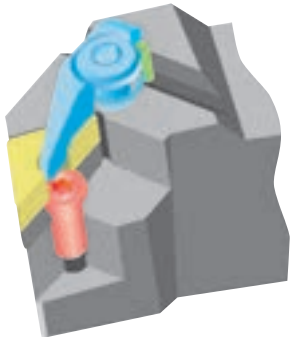
ISO designation	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 18462 ...	Left-hand 18463 ...
MWLNR/L 2020-K08	125	34	25	WN .. 08..	204	204
MWLNR/L 2525-M08	150	34	32	WN .. 08..	205	205
MWLNR/L 3232-P08	170	35	40	WN .. 08..	206	206

Spare parts	Wrench	Clamping pin	Claw	Spacer
Insert size	51809 ...	18471 ...	18472 ...	18473 ...
8 mm	107	602	603	603

Info Tool holders system Maxilock D

CERATIZIT

The 1st choice for machining with negative centre hole inserts.
Secure and precise positioning of the indexable insert through **double clamping effect** of the clamp element.
Delivery incl. 1 spare spacer.

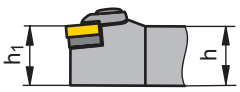


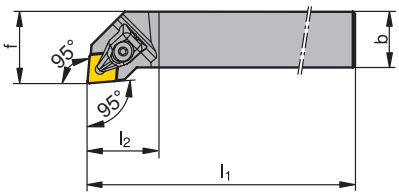
- Clamping element
- Indexable insert
- Spacer
- Pin
- Screw

19500 Tool holders MaxiLock D DCLN

CERATIZIT

Type
- Setting angle 95°.
Use
For indexable inserts CN..





NEW

19500

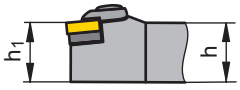
ISO designation	h_1 mm	h mm	b mm	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 19500 ...	Left-hand 19500 ...
DCLNR/L 2020 K12	20	20	20	125	32	25	CN.. 1204..	101	201
DCLNR/L 2525 M12	25	25	25	150	32	32	CN.. 1204..	102	202
DCLNR/L 3225 P12	32	32	25	170	32	32	CN.. 1204..	103	203

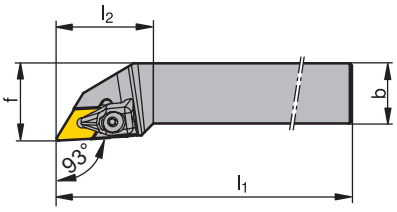
Spare parts					Screw	Spacer	Claw	Wrench
For indexable inserts Size	Screw	Spacer	Wrench	Claw	19990 ...	19991 ...	19992 ...	51932 ...
CN.. 1204..	M 4,5 x 12,0	U-CN12T3	IP 15	SET-02-D	102	101	102	407

19501 Tool holders MaxiLock D DDJN

CERATIZIT

Type
- Setting angle 93°.
Use
For indexable inserts DN..





NEW

19501

ISO designation	h_1 mm	h mm	b mm	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 19501	...	Left-hand 19501	...
DDJNR/L 1616 H11	16	16	16	100	33	20	DN.. 1104..		101		201
DDJNR/L 2020 K11	20	20	20	125	40	25	DN.. 1104..		102		202
DDJNR/L 2020 K15	20	20	20	125	40	25	DN.. 1506..		103		203
DDJNR/L 2525 M15	25	25	25	150	40	32	DN.. 1506..		104		204
DDJNR/L 3225 P15	32	32	25	170	40	32	DN.. 1506..		105		205

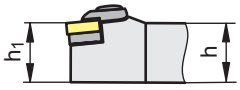
Spare parts

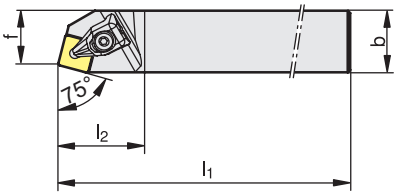
For indexable inserts Size	Screw	Spacer	Wrench	Claw	Screw 19990	...	Spacer 19991	...	Claw 19992	...	Wrench 51932	...
DN.. 1104..	M 3,0 x 7,0	U-DN1103-D	IP 9	SET-01L-D		101		102		101		405
DN.. 1506..	M 4,5 x 12,0	U-DN15T3-D	IP 15	SET-02-D		102		103		102		407

19502 Tool holders MaxiLock D DSBN

CERATIZIT

Type
- Setting angle 75°.
Use
For indexable inserts SN..





NEW

19502

ISO designation	h_1 mm	h mm	b mm	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 19502	...	Left-hand 19502	...
DSBNR/L 2020 K12	20	20	20	125	35	17	SN.. 1204..		101		201
DSBNR/L 2525 M12	25	25	25	150	35	22	SN.. 1204..		102		202
DSBNR/L 3232 P15	32	32	32	170	42	27	SN.. 1506..		103		203

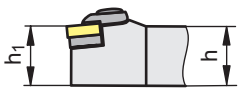
Spare parts

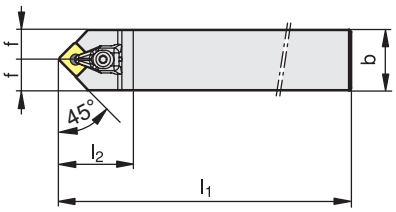
For indexable inserts Size	Screw	Spacer	Wrench	Claw	Screw 19990	...	Spacer 19991	...	Claw 19992	...	Wrench 51932	...
SN.. 1204..	M 4,5 x 12,0	U-SN12T3-D	IP 15	SET-02-D		102		104		102		407
SN.. 1506..	M 5,0 x 14,0	U-SN1504-D	IP 20	SET-03-D		103		105		103		408

19503 Tool holders MaxiLock D DSDN

CERATIZIT

Type
- Setting angle 45°.
Use
For indexable inserts SN..





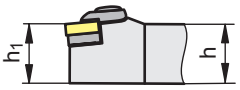
ISO designation	h_1 mm	h mm	b mm	l_1 mm	l_2 mm	f mm	for indexable inserts	neutral 19503	...
DSDNN 2020 K12	20	20	20	125	38	10	SN.. 1204..		101
DSDNN 2525 M12	25	25	25	150	38	13	SN.. 1204..		102

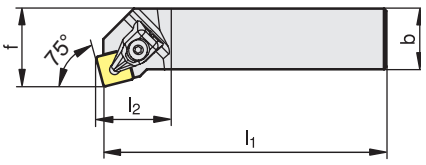
Spare parts					Screw	...	Spacer	...	Claw	...	Wrench	...
For indexable inserts Size	Screw	Spacer	Wrench	Claw	19990		19991		19992		51932	
SN.. 1204..	M 4,5 x 12,0	U-SN12T3-D	IP 15	SET-02-D		102		104		102		407

19504 Tool holders MaxiLock D DSKN

CERATIZIT

Type
- Setting angle 75°.
Use
For indexable inserts SN..





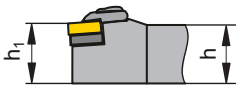
ISO designation	h_1 mm	h mm	b mm	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 19504	...	Left-hand 19504	...
DSKNR/L 2525 M12	25	25	25	150	31	32	SN.. 1204..		101		201

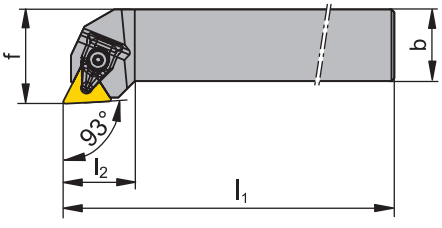
Spare parts					Screw	...	Spacer	...	Claw	...	Wrench	...
For indexable inserts Size	Screw	Spacer	Wrench	Claw	19990		19991		19992		51932	
SN.. 1204..	M 4,5 x 12,0	U-SN12T3-D	IP 15	SET-02-D		102		104		102		407

19505 Tool holders MaxiLock D DTJN

CERATIZIT

Type
- Setting angle 93°.
Use
For indexable inserts TN..





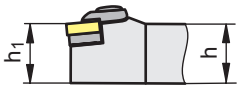
ISO designation	h_1 mm	h mm	b mm	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 19505	...	Left-hand 19505	...
DTJNR/L 2020 K16	20	20	20	125	23	25	TN.. 1604..		101		201
DTJNR/L 2525 M16	25	25	25	150	24	32	TN.. 1604..		102		202

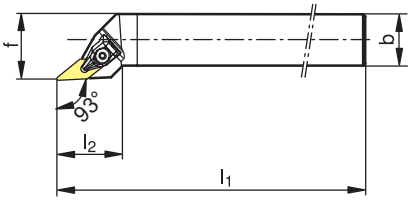
Spare parts					Screw	...	Spacer	...	Claw	...	Wrench	...
For indexable inserts Size	Screw	Spacer	Wrench	Claw	19990		19991		19992		51932	
TN.. 1604..	M 3,0 x 7,0	U-TN1603-D	IP 9	SET-01-D		101		106		104		405

19506 Tool holders MaxiLock D DVJN

CERATIZIT

Type
- Setting angle 93°.
Use
For indexable inserts VN..





NEW 19506

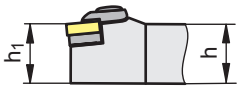
ISO designation	h_1 mm	h mm	b mm	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 19506	...	Left-hand 19506	...
DVJNR/L 2020 K16	20	20	20	125	39	25	VN.. 1604..		101		201
DVJNR/L 2525 M16	25	25	25	150	39	32	VN.. 1604..		102		202

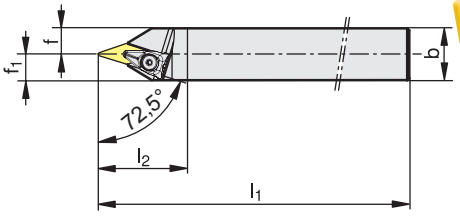
Spare parts					Screw		Spacer		Claw		Wrench	
For indexable inserts Size	Screw	Spacer	Wrench	Claw	19990	...	19991	...	19992	...	51932	...
VN.. 1604..	M 3,0 x 7,0	U-VN1603-D	IP 9	SET-01L-D		101		107		101		405

19507 Tool holders MaxiLock D DVVN

CERATIZIT

Type
- Setting angle 72°.
Use
For indexable inserts VN..





NEW 19507

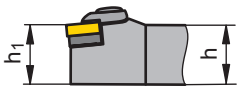
ISO designation	h_1 mm	h mm	b mm	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 19507	...
DVVNN 2020 K16	20	20	20	125	43	7,5	VN.. 1604..	93,50	101
DVVNN 2525 M16	25	25	25	150	43	13,0	VN.. 1604..	99,50	102

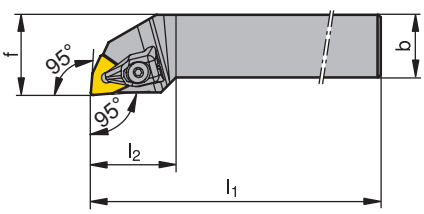
Spare parts					Screw		Spacer		Claw		Wrench	
For indexable inserts Size	Screw	Spacer	Wrench	Claw	19990	...	19991	...	19992	...	51932	...
VN.. 1604..	M 3,0 x 7,0	U-VN1603-D	IP 9	SET-01L-D		101		107		101		405

19508 Tool holders MaxiLock D DWLN

CERATIZIT

Type
- Setting angle 95°.
Use
For indexable inserts WN..





NEW 19508

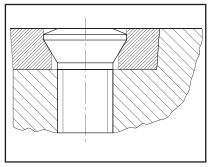
ISO designation	h_1 mm	h mm	b mm	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 19508	...	Left-hand 19508	...
DWLNR/L 1616 H06	16	16	16	100	25	20	WN.. 0604..		101		201
DWLNR/L 2020 K06	20	20	20	125	27	25	WN.. 0604..		102		202
DWLNR/L 2020 K08	20	20	20	125	34	25	WN.. 0804..		103		203
DWLNR/L 2525 M06	25	25	25	150	27	32	WN.. 0604..		104		204
DWLNR/L 2525 M08	25	25	25	150	34	32	WN.. 0804..		105		205

Spare parts					Screw		Spacer		Claw		Wrench	
For indexable inserts Size	Screw	Spacer	Wrench	Claw	19990	...	19991	...	19992	...	51932	...
WN.. 0604..	M 3,0 x 7,0	U-WN0603-D	IP 9	SET-01-D		101		108		104		405
WN.. 0804..	M 4,5 x 12,0	U-WN08T3-D	IP 15	SET-02-D		102		109		102		407

Info — Boring bars system S

ATORN® HW

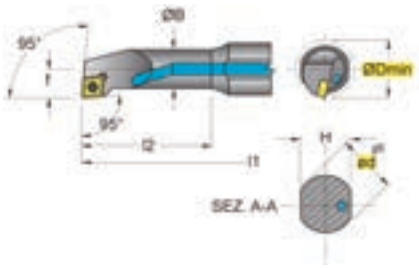
Fastening of the indexable insert with central screw.



18482 Boring bar sets SCLCR/L with ICF

ATORN®

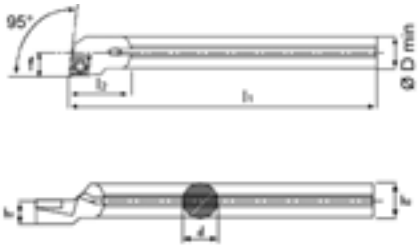
Type
Setting angle 95°, with 1 ea. boring bar, in case.
Use
For indexable inserts CCMT 0602...



18482 201-302

18482 201-302 Set contents	Ø D mm	d mm	f mm	Ø B mm	l1 mm	l2 mm	H mm
0608H-SCLCR/L-06	8,5	8	4	6	100	20	7
0810J-SCLCR/L-06	10,5	10	6	8	110	26	9
1012K-SCLCR/L-06	12,5	12	7	10	125	32	11
1216M-SCLCR/L-06	15,5	16	9	12	150	40	15

18482 401-402



18482 401-402 Set contents	d mm	f mm	l_1 mm	l_2 mm	h_1 mm	h_2 mm	Ø D min. mm
E 08K SCLCR/L -06	8	5	125	-	3,5	7,5	11,0
E 10K SCLCR/L -06	10	6	125	10	4,5	9,5	14,0
E 12M SCLCR/L -06	12	8	150	10	5,5	11,5	17,0

Set	Shank	Type	Contents	18482 ...
A-SCLCR-06	Steel	Right-hand	4-part	201
A-SCLCL-06	Steel	Left-hand	4-part	202
AH-SCLCR-06	HSS	Right-hand	4-part	301
AH-SCLCL-06	HSS	Left-hand	4-part	302
E-SCLCR-06	Solid carbide	Right-hand	3-part	401
E-SCLCL-06	Solid carbide	Left-hand	3-part	402

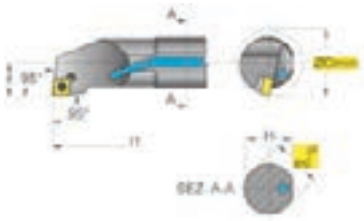
18484 - 18485 Boring bars SCLCR/L with ICF (steel + HSS)

ATORN®

Type
Setting angle 95°.
Use
For indexable inserts CC..

18484 197-207 + 18485 197-207
Quality
Steel.

18484 297-306 + 18485 297-306
Quality
HSS.



18484

ISO designation	Ø D mm	Ø d mm	f mm	l_1 mm	H mm	for indexable inserts	Steel/right-hand 18484	...	HSS/right-hand 18484	...	Steel/left-hand 18485	...	HSS/left-hand 18485	...
A/AH0608H-SCLCR/L-06	8,5	8	4,0	100	7,00	CC .. 0602..		197		297		197		297
A/AH0810J-SCLCR/L-06	10,5	10	6,0	110	9,00	CC .. 0602..		198		298		198		298
A/AH1012K-SCLCR/L-06	12,5	12	7,0	125	11,00	CC .. 0602..		199		299		199		299
A/AH1216M-SCLCR/L-06	15,5	16	9,0	150	15,00	CC .. 0602..		200		300		200		300
A08H-SCLCR/L-06	10,0	8	5,0	100	7,60	CC .. 0602..		201				201		
A10K-SCLCR/L-06	12,0	10	7,0	125	9,50	CC .. 0602..		202				202		
A12L-SCLCR/L-06	16,0	12	9,0	150	11,50	CC .. 0602..		203				203		
A16Q-SCLCR/L-09	20,0	16	11,0	180	15,25	CC .. 09T3..		204				204		
A20R-SCLCR/L-09	25,0	20	13,0	200	19,00	CC .. 09T3..		205				205		
A25R-SCLCR/L-12	32,0	25	17,0	200	24,00	CC .. 1204..		207				207		
AH08K-SCLCR/L-06	10,0	8	5,0	125	7,60	CC .. 0602..				301				301
AH10K-SCLCR/L-06	12,0	10	6,0	125	9,50	CC .. 0602..				302				302
AH12M-SCLCR/L-06	14,0	12	7,0	150	11,50	CC .. 0602..				303				303
AH16Q-SCLCR/L-09	18,0	16	11,0	180	15,25	CC .. 09T3..				304				304
AH20R SCLCR/L-09	23,0	20	13,0	200	19,00	CC .. 09T3..				305				305
AH25R-SCLCR/L-12	28,0	25	15,5	200	24,00	CC .. 1204..				306				306

Spare parts

Insert size	TORX® size T	Clamping screw 18470	...	Screwdriver 52529	...
6 mm / bar 0608/0810	7		740		402
6 mm / bar 1012/1216	8		741		403
6 mm / bar 08	7		740		402
6 mm / bar 10/12	8		741		403
9 mm / bar 16/20	15		742		406
12 mm / bar 25	15		722		406

18486 - 18487 Solid carbide boring bars SCLCR/L with ICF

ATORN®

Type
Setting angle 95°.
Use
For indexable inserts CC..

18486 - 18487

ISO designation	Ø d mm	l_1 mm	l_2 mm	f mm	Ø D min. mm	for indexable inserts	Right-hand 18486	...	Left-hand 18487	...
E08K-SCLCR/L-06	8	125	10	5	9,0	CC.. 0602..		101		101
E10K-SCLCR/L-06	10	125	10	6	11,0	CC.. 0602..		102		102
E12M-SCLCR/L-06	12	150	10	8	13,0	CC.. 0602..		103		103
E16R-SCLCR/L-09	16	200	16	10	18,0	CC.. 09T3..		104		104
E20S-SCLCR/L-09	20	250	16	12	23,0	CC.. 09T3..		105		105

Spare parts

Insert size	TORX® size T	Clamping screw 18470	...	Screwdriver 52529	...
6 mm / bar 08	7		740		402
6 mm / bar 10/12	8		741		403
9 mm / bar 9/12/16	15		742		406

18490 - 18491 Boring bars STFCR/L with ICF

ATORN®

Type
Setting angle 90°.
Use
For indexable inserts TC..

18490

ISO designation	Ø D mm	d mm	l_1 mm	l_2 mm	f mm	for indexable inserts	Right-hand 18490	...	Left-hand 18491	...
A10K-STFCR/L-11	14	10	125	16	7	TC.. 1102..		201		201
A12L-STFCR/L-11	18	12	140	20	9	TC.. 1102..		202		202
A16Q-STFCR/L-11	22	16	180	25	11	TC.. 1102..		203		203
A20R-STFCR/L-16	26	20	200	32	13	TC.. 16T3..		204		204
A25R-STFCR/L-16	34	25	200	40	17	TC.. 16T3..		205		205
A32S-STFCR/L-16	40	32	250	21	22	TC.. 16T3..		206		206
A40T-STFCR/L-16	49	40	300	21	27	TC.. 16T3..		207		207

Clamping screw 10

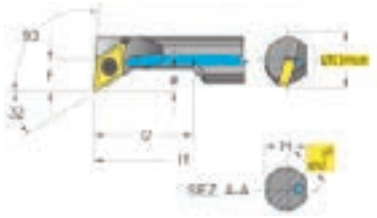
Screwdriver

Spare parts Insert size	TORX® size T	Clamping screw 18470	...	Screwdriver 52529	...
11 mm	8		715		403
16 mm	15		723		406

18494 Boring bar sets SDUCR/L with ICF

ATORN®

Type
Setting angle 93,5°, with 1 ea. boring bar, in case.
Use
For indexable inserts DCMT 0702...



18494

18494 101-201 Set content	Ø D mm	Ø d mm	f mm	a mm	l_1 mm	l_2 mm	AR	H mm
A0810H-SDUCR/L-07	12,5	10	7	4	100	22	15°	9
A1012K-SDUCR/L-07	15,5	12	9	5	125	28	13°	11
A1216M-SDUCR/L-07	19,5	16	11	5	150	36	10°	15

18494 301-302 Set contents	Ø D mm	Ø d mm	f mm	a mm	l_1 mm	l_2 mm	AR	H mm
E0810H-SDUCR/L-07	12,5	10	7	4	100	22	15°	9
E1012K-SDUCR/L-07	15,5	12	9	5	125	28	13°	11

Set	Shank	Type	Contents	18494	...
A-SDUCR-07	Steel	Right-hand	3-part		101
A-SDUCL-07	Steel	Left-hand	3-part		102
AH-SDUCR-07	HSS	Right-hand	3-part		201
AH-SDUCL-07	HSS	Left-hand	3-part		202
E-SDUCR-07	Solid carbide	Right-hand	2-part		301
E-SDUCL-07	Solid carbide	Left-hand	2-part		302

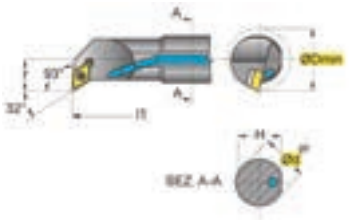
18496 - 18497 Boring bars SDUCR/L with ICF (steel + HSS)

Type
Setting angle 93°.
Use
For indexable inserts DC..

18496 197-207 + 18497 102-197
Quality
Steel.

18496 297-304 + 18497 297-304
Quality
HSS.

18496



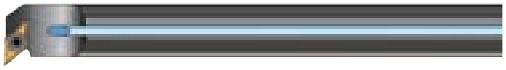
							Steel/right-hand		HSS/right-hand		Steel/left-hand		HSS/left-hand	
ISO designation	Ø D mm	Ø d mm	f mm	l_1 mm	H mm	for indexable Inserts	18496	...	18496	...	18497	...	18497	...
A/AH0810H-SDUCR/L-07	12,5	10	7,0	100	9,00	DC .. 0702..		197		297		197		297
A/AH1012K-SDUCR/L-07	15,5	12	9,0	125	11,00	DC .. 0702..		198		298		198		298
A/AH1216M-SDUCR/L-07	19,5	16	11,0	150	15,00	DC .. 0702..		199		299		199		299
A12L-SDUCR/L-07	16,0	12	9,0	125	11,50	DC .. 0702..		202				102		
A16Q-SDUCR/L-07	20,0	16	11,0	150	15,25	DC .. 0702..		203				103		
A20R-SDUCR/L-11	25,0	20	13,0	180	19,00	DC .. 11T3..		205				105		
A25R-SDUCR/L-11	32,0	25	17,0	200	24,00	DC .. 11T3..		206				106		
A32S-SDUCR/L-11	40,0	32	22,0	250	31,00	DC .. 11T3..		207				107		
AH10K-SDUCR/L-07	14,0	10	8,3	125	9,00	DC .. 0702..				301				301
AH12M-SDUCR/L-07	16,0	12	9,3	150	11,00	DC .. 0702..				302				302
AH16Q-SDUCR/L-07	20,0	16	11,3	180	15,00	DC .. 0702..				303				303
AH20R-SDUCR/L-11	26,0	20	16,1	200	19,00	DC .. 11T3..				304				304

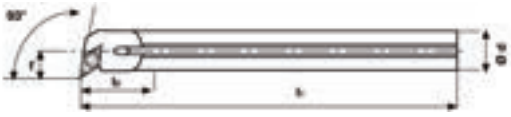
Spare parts		Clamping screw 10		Screwdriver		Support plate		Threaded bush		Wrench	
Insert size	TORX®-Size T	18470	...	52529	...	18471	...	18472	...	51809	...
7 mm / bar 0810/1012/1216	7		740		402						
7 mm / bar 12	8		715		403						
7 mm / bar 16	8		720		403						
11 mm / bar 20/25	15		723		406						
11 mm / bar 32 mm	15		724		406		715		720		107

18518 - 18519 Solid carbide boring bars SDUCR/L with ICF

Type
Setting angle 93°.
Use
For indexable inserts DC..

18518 - 18519





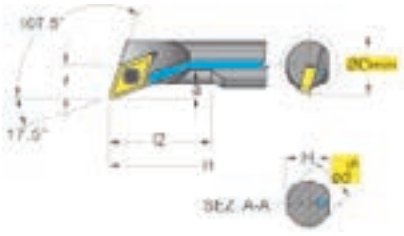
							Right-hand		Left-hand	
ISO designation	Ø d mm	l_1 mm	l_2 mm	f mm	Ø D min. mm	for indexable inserts	18518	...	18519	...
E10K-SDUCR/L-07	10	125	10,0	7	12,0	DC.. 0702..		101		101
E12M-SDUCR/L-07	12	150	12,5	9	15,0	DC.. 0702..		102		102
E16R-SDUCR/L-07	16	200	16,5	11	19,0	DC.. 0702..		103		103
E20S-SDUCR/L-11	20	250	20,5	13	23,0	DC.. 11T3..		104		104

Spare parts		Clamping screw 10		Screwdriver	
Insert size	TORX® size T	18470	...	52529	...
7 mm	8		741		403
11 mm	15		723		406

18498 Boring bar sets SDQCR/L with ICF

ATORN®

Set ADQ 0812 R/L 07
Type
3-part, setting angle 107,5°, with 1 ea. boring bar, in case.
Use
For indexable inserts DCMT 0702…



18498

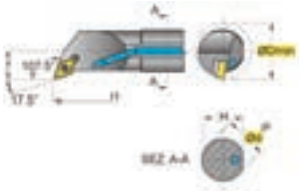
Type	18498	...
Right-hand		201
Left-hand		202

Set contents	Ø D mm	Ø d mm	f mm	a mm	l_1 mm	l_2 mm	AR	H mm
A0810H-SDQCR/L-07	12,5	10	7	3	100	22	15°	9
A1012K-SDQCR/L-07	15,5	12	9	4	125	28	13°	11
A1216M-SDQCR/L-07	19,5	16	11	5	150	36	10°	15

18500 - 18501 Boring bars SDQCR/L with ICF

ATORN®

Type
Setting angle 107,5°.
Use
For indexable inserts DC..



18500

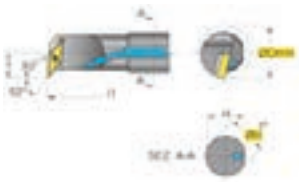
ISO designation	Ø D mm	Ø d mm	f mm	l_1 mm	H mm	for indexable inserts	Right-hand 18500 ...	Left-hand 18501 ...
A0810H-SDQCR/L-07	12,5	10	7	100	9,00	DC .. 0702..	098	098
A1012K-SDQCR/L-07	15,5	12	9	125	11,00	DC .. 0702..	099	099
A1216M-SDQCR/L-07	19,5	16	11	150	15,00	DC .. 0702..	100	100
A12L-SDQCR/L-07	16,0	12	9	140	11,50	DC .. 0702..	102	102
A16Q-SDQCR/L-07	20,0	16	11	180	15,25	DC .. 0702..	103	103
A20Q-SDQCR/L-07	25,0	20	13	180	19,00	DC .. 0702..	104	104
A20R-SDQCR/L-11	25,0	20	13	200	19,00	DC .. 11T3..	105	105
A25R-SDQCR/L-11	32,0	25	17	200	24,00	DC .. 11T3..	106	106

Spare parts Insert size	TORX® size T	Clamping screw 10 18470 ...	Screwdriver 52529 ...
7 mm / bar 0810/1012/1216	7	740	402
7 mm / bar 12/16/20	8	741	403
11 mm / bar 20	15	742	406
11 mm / bar 25	15	742	406

18512 - 18513 Boring bars SVUCR/L with ICF

ATORN®

Type
Setting angle 93°.
Use
For indexable inserts VC..



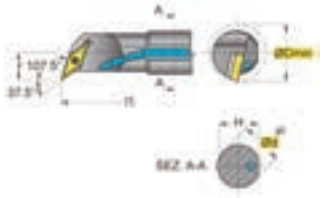
18512

ISO designation	Ø D mm	Ø d mm	f mm	l_1 mm	H mm	for indexable inserts	Right-hand 18512 ...	Left-hand 18513 ...
A25R-SVUCR/L-16	32	25	17	200	24	VC .. 1604..	103	103
A32S-SVUCR/L-16	40	32	22	250	31	VC .. 1604..	104	104

Spare parts Insert size	TORX® size T	Clamping screw 10 18470 ...	Screwdriver 52529 ...
16 mm	8	741	403

18516 - 18517 Boring bars SVQCR/L with ICF

Type
Setting angle 107,5°.
Use
For indexable inserts VC..



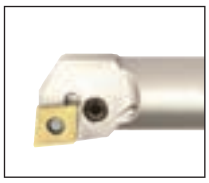
18516

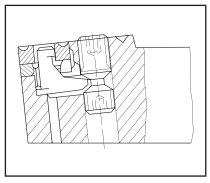
ISO designation	Ø D mm	Ø d mm	f mm	l_1 mm	H mm	for indexable inserts	Right-hand 18516	...	Left-hand 18517	...
A25R-SVQCR/L-16	32	25	17	200	24	VC .. 1604..	103		103	

Spare parts		Clamping screw 18470	...	Screwdriver 52529	...
Insert size	TORX® size T				
16 mm / bar 25	15	743		406	

Info Boring bars system P

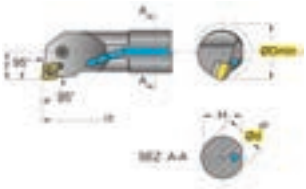
Fastening of the indexable insert with clamping lever.





18522 - 18523 Boring bars PCLNR/L with ICF

Type
Setting angle 95°.
Use
For indexable inserts CN..



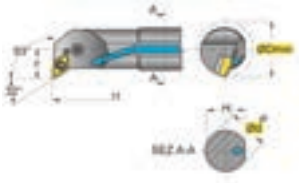
18522

ISO designation	Ø d mm	f mm	l_1 mm	H mm	for indexable inserts	Right-hand 18522	...	Left-hand 18523	...
A25S-PCLNR/L-12	25	17	250	23,0	CN .. 1204..	201		201	
A32S-PCLNR/L-12	32	22	250	30,0	CN .. 1204..	202		202	

Spare parts		Clamping screw 18470	...	Screwdriver 52529	...	Support plate 18471	...	Sleeve 18474	...	Clamping lever 18475	...
Insert size	TORX® size T										
12 mm / bar 25	10	745		405		605		605		605	

18526 - 18527 Boring bars PDUNR/L with ICF

Type
Setting angle 93°.
Use
For indexable inserts DN..



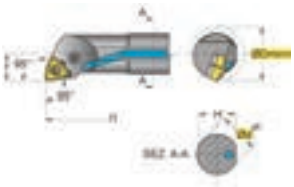
18526

ISO designation	Ø D mm	Ø d mm	f mm	l_1 mm	H mm	for indexable inserts	Right-hand 18526	...	Left-hand 18527	...
A32S-PDUNR/L-15	40	32	22	250	31,0	DN .. 1506..	204		204	
A40T-PDUNR/L-15	50	40	27	300	38,5	DN .. 1506..	205		205	

Spare parts		Clamping screw 18470	...	Screwdriver 52529	...	Support plate 18471	...	Sleeve 18474	...	Clamping lever 18475	...
Insert size	TORX® size T										
15 mm	10	605		405		606		605		606	

18530 - 18531 Boring bars PWLNR/L with ICF

Type
Setting angle 95°.
Use
For indexable inserts WN..



18530

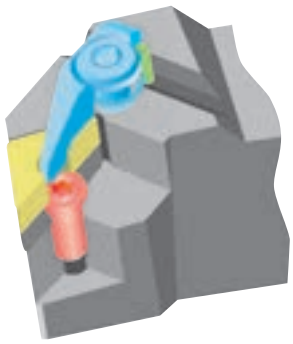
ISO designation	Ø D mm	Ø d mm	f mm	l_1 mm	H mm	for indexable inserts	Right-hand 18530 ...	Left-hand 18531 ...
A25S-PWLNR/L-08	32	25	17	250	23,0	WN .. 0804..	201	201
A32S-PWLNR/L-08	40	32	22	250	30,0	WN .. 0804..	202	202

Spare parts		Clamping screw 18470 ...	Screwdriver 52529 ...	Support plate 18471 ...	Sleeve 18474 ...	Clamping lever 18475 ...
Insert size	TORX® size T					
8 mm	10	605	405	607	605	605

Info Boring bars MaxiLock D

CERATIZIT

The 1st choice for machining with negative centre hole inserts.
Secure and precise positioning of the indexable insert through **double clamping effect** of the clamp element.
Delivery incl. 1 spare spacer.

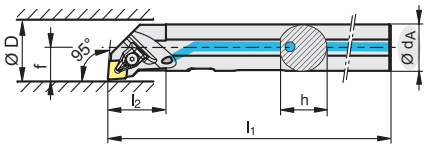


- Clamping element
- Indexable insert
- Spacer
- Pin
- Screw

19550 Boring bars MaxiLock D DCLN

CERATIZIT

Type
- Setting angle 95°.
Use
For indexable inserts CN..



19550

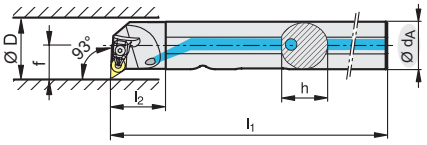
ISO designation	Ø d_A mm	h mm	l_1 mm	l_2 mm	f mm	Ø Dmin mm	for indexable inserts	Right-hand 19550 ...	Left-hand 19550 ...
A25R DCLNR/L 12	25	24	200	36	17	32	CN.. 1204..	101	201
A32S DCLNR/L 12	32	31	250	40	22	40	CN.. 1204..	102	202
A40T DCLNR/L 12	40	39	300	45	27	50	CN.. 1204..	103	203

Spare parts					Screw 19990 ...	Spacer 19991 ...	Claw 19992 ...	Wrench 51932 ...
For indexable inserts Size	Screw	Spacer	Wrench	Claw				
CN.. 1204..	M 4,5 x 12,0	U-CN12T3	IP 15	SET-02-D	102	101	102	407

19551 Boring bars MaxiLock D DDUN

CERATIZIT

Type
- Setting angle 93°.
Use
For indexable inserts DN..



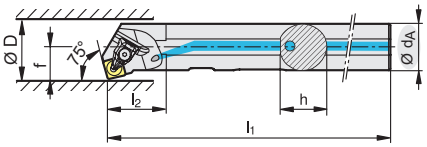
ISO designation	Ø d_A mm	h mm	l_1 mm	l_2 mm	f mm	Ø Dmin mm	for indexable inserts	Right-hand 19551	...	Left-hand 19551	...
A25R DDUNR/L 11	25	24	200	30	17	32	DN.. 1104..		101		201
A32S DDUNR/L 11	32	31	250	40	22	40	DN.. 1104..		102		202
A40T DDUNR/L 15	40	39	300	45	27	50	DN.. 1505..		103		203

Spare parts For indexable inserts Size	Screw	Spacer	Wrench	Claw	Screw 19990	...	Spacer 19991	...	Claw 19992	...	Wrench 51932	...
DN.. 1104..	M 3,0 x 7,0	U-DN1103-D	IP 9	SET-01L-D		101		102		101		405
DN.. 1506..	M 4,5 x 12,0	U-DN15T3-D	IP 15	SET-02-D		102		103		102		407

19552 Boring bars MaxiLock D DSKN

CERATIZIT

Type
- Setting angle 75°.
Use
For indexable inserts SN..



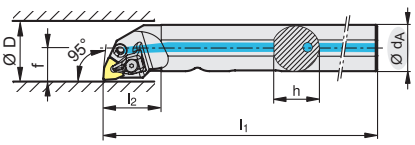
ISO designation	Ø d_A mm	h mm	l_1 mm	l_2 mm	f mm	Ø Dmin mm	for indexable inserts	Right-hand 19552	...	Left-hand 19552	...
A32S DSKNR/L 12	32	31	250	44	22	40	SN.. 1204..		101		201

Spare parts For indexable inserts Size	Screw	Spacer	Wrench	Claw	Screw 19990	...	Spacer 19991	...	Claw 19992	...	Wrench 51932	...
SN.. 1204..	M 4,5 x 12,0	U-SN12T3-D	IP 15	SET-02-D		102		104		102		407

19553 Boring bars MaxiLock D DWLN

CERATIZIT

Type
- Setting angle 95°.
Use
For indexable inserts WN..



ISO designation	Ø d_A mm	h mm	l_1 mm	l_2 mm	f mm	Ø Dmin mm	for indexable inserts	Right-hand 19553	...	Left-hand 19553	...
A25R DWLNR/L 06	25	24	200	32	17	32	WN.. 0604..		101		201
A32S DWLNR/L 08	32	31	250	40	22	40	WN.. 0804..		102		202
A40T DWLNR/L 08	40	39	300	45	27	50	WN.. 0804..		103		203

Spare parts For indexable inserts Size	Screw	Spacer	Wrench	Claw	Screw 19990	...	Spacer 19991	...	Claw 19992	...	Wrench 51932	...
WN.. 0604..	M 3,0 x 7,0	U-WN0603-D	IP 9	SET-01-D		101		108		104		405
WN.. 0804..	M 4,5 x 12,0	U-WN08T3-D	IP 15	SET-02-D		102		109		102		407

18550 Indexable inserts CCGT

ATORN®

Type
- Positive 7°
- 80° point angle
- Depth of cut approx. 0,2 - 4,0 mm for aluminium and NF metals

18550 301-308
Type
- Polished chip deflection step for the reduction of built-up edges when machining aluminium.

Use
For turning of aluminium and other NF metals.

18550 401-408
Use
For turning of aluminium and other NF metals.
For finishing corrosion-resistant materials.

18550 401-408

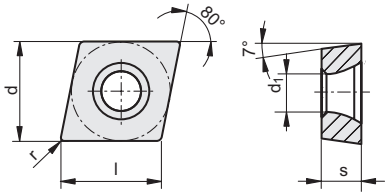
Use					N	N
Carbide type					HW 6310	HC 6310
Coating					Uncoated	Coated
ISO designation	Depth of cut approx. mm	Thickness mm	r mm		18550 ...	18550 ...
CCGT 060202-MN	0,2 - 1,5	2,38	0,2	10 pcs.	301	401
CCGT 060204-MN	0,3 - 1,8	2,38	0,4	10 pcs.	302	402
CCGT 09T302-MN	0,2 - 2,0	3,97	0,2	10 pcs.	303	403
CCGT 09T304-MN	0,3 - 2,5	3,97	0,4	10 pcs.	304	404
CCGT 09T308-MN	0,5 - 3,0	3,97	0,8	10 pcs.	305	405
CCGT 120402-MN	0,2 - 3,5	4,76	0,2	10 pcs.	306	406
CCGT 120404-MN	0,2 - 4,0	4,76	0,4	10 pcs.	307	407
CCGT 120408-MN	0,5 - 5,0	4,76	0,8	10 pcs.	308	408

19600 Indexable inserts CCGT

CERATIZIT

Type
- Positive 7°
- 80° point angle
- Polished indexable insert for reduction of built-up edges

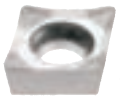
19600 101-108
Use
For machining of aluminium and NF metals.



19600 201-307
Use
Coated type for machining aluminium and rust-resistant and acid-resistant materials.

NEW

19600


- 27


- 25P

Use							N	N M	N M
Carbide type							H10T	AMZ	AMZ
Coating							Uncoated	PVD	PVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19600 ...	19600 ...	19600 ...
CCGT 060202FN-27	6,4	6,35	2,38	2,8	0,2	10 pcs.	101	201	
CCGT 060202FN-25P	6,4	6,35	2,38	2,8	0,2	10 pcs.			301
CCGT 060204FN-27	6,4	6,35	2,38	2,8	0,4	10 pcs.	102	202	
CCGT 060204FN-25P	6,4	6,35	2,38	2,8	0,4	10 pcs.			302
CCGT 09T302FN-27	9,7	9,52	3,97	4,4	0,2	10 pcs.	103	203	
CCGT 09T302FN-25P	9,7	9,52	3,97	4,4	0,2	10 pcs.			303
CCGT 09T304FN-27	9,7	9,52	3,97	4,4	0,4	10 pcs.	104	204	
CCGT 09T304FN-25P	9,7	9,52	3,97	4,4	0,4	10 pcs.			304
CCGT 09T308FN-25P	9,7	9,52	3,97	4,4	0,8	10 pcs.			305
CCGT 09T308FN-27	9,7	9,52	3,97	4,4	0,8	10 pcs.	105	205	
CCGT 120402FN-27	12,9	12,70	4,76	5,5	0,2	10 pcs.	106	206	
CCGT 120404FN-27	12,9	12,70	4,76	5,5	0,4	10 pcs.	107	207	
CCGT 120404FN-25P	12,9	12,70	4,76	5,5	0,4	10 pcs.			306
CCGT 120408FN-27	12,9	12,70	4,76	5,5	0,8	10 pcs.	108	208	
CCGT 120408FN-25P	12,9	12,70	4,76	5,5	0,8	10 pcs.			307

18551 Indexable inserts CCMT

ATORN®

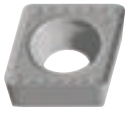
Positive 7°, 80° point angle.

CCMT .....-WP
With WIPER cutting edge geometry (same surface quality at double feed, double surface quality at same feed).

CCMT .....-FP
Use
For finishing.

CCMT .....-MP
Use
For medium machining.

18551 210-624


– WP


– FP


– MP

Use					P K	P K	P	M	M
Carbide type					HC 7610	HC 7620	HC 7630	HC 7520	HC 7530
Coating					Coated	Coated	Coated	Coated	Coated
ISO designation	Depth of cut approx. mm	Thickness mm	r mm		18551 ...	18551 ...	18551 ...	18551 ...	18551 ...
CCMT 09T304-WP	0,5 - 4,0	3,97	0,4	10 pcs.		305	405		
CCMT 09T308-WP	0,7 - 4,0	3,97	0,8	10 pcs.		306	406		
CCMT 120404-WP	0,5 - 4,0	4,76	0,4	10 pcs.		307	407		
CCMT 120408-WP	0,7 - 4,0	4,76	0,8	10 pcs.		308	408		
CCMT 060202-FP	0,1 - 1,0	2,38	0,2	10 pcs.	210	310			
CCMT 060204-FP	0,1 - 1,5	2,38	0,4	10 pcs.	211	311			
CCMT 09T302-FP	0,1 - 1,0	3,97	0,2	10 pcs.	212	312			
CCMT 09T304-FP	0,1 - 1,5	3,97	0,4	10 pcs.	213	313			
CCMT 120404-FP	0,1 - 1,5	4,76	0,4	10 pcs.	214	314			
CCMT 120408-FP	0,1 - 2,5	4,76	0,8	10 pcs.	215	315			
CCMT 060204-MP	0,5 - 2,5	2,38	0,4	10 pcs.		320	420	520	620
CCMT 09T304-MP	0,4 - 3,0	3,97	0,4	10 pcs.		321	421	521	621
CCMT 09T308-MP	0,6 - 4,0	3,97	0,8	10 pcs.		322	422	522	622
CCMT 120408-MP	0,6 - 5,0	4,76	0,8	10 pcs.		323	423	523	623
CCMT 120412-MP	0,8 - 5,0	4,76	1,2	10 pcs.				524	624

19601 Indexable inserts CCMT

CERATIZIT

Type
- Positive 7°
- 80° point angle

19601 101-108
Use
For machining of steel materials, as well as rust-resistant and acid-resistant materials.

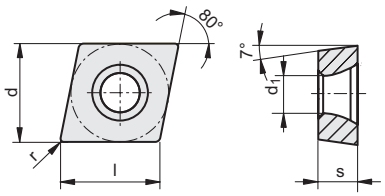
NEW

19601 101-108


- M25


- M55

Use							P M
Carbide type							CTPM125
Coating							PVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19601 ...
CCMT 060204EN-M25	6,4	6,35	2,38	2,8	0,4	10 pcs.	101
CCMT 060204EN-M55	6,4	6,35	2,38	2,8	0,4	10 pcs.	102
CCMT 09T304EN-M25	9,7	9,52	3,97	4,4	0,4	10 pcs.	103
CCMT 09T308EN-M25	9,7	9,52	3,97	4,4	0,8	10 pcs.	104
CCMT 09T308EN-M55	9,7	9,52	3,97	4,4	0,8	10 pcs.	105
CCMT 09T304EN-M55	9,7	9,52	3,97	4,4	0,4	10 pcs.	106
CCMT 120404EN-M55	12,9	12,70	4,76	5,5	0,4	10 pcs.	107
CCMT 120408EN-M55	12,9	12,70	4,76	5,5	0,8	10 pcs.	108



19601 201-214
Use
For machining of steel materials and cast iron.

NEW

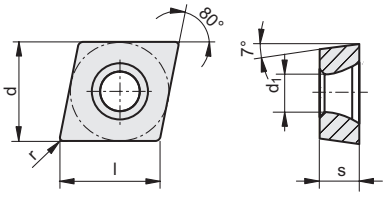
19601 201-214


- SF


- SM


- SMF

Use							P K
Carbide type							CTCP125
Coating							CVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19601 ...
CCMT 060204EN-SF	6,4	6,35	2,38	2,8	0,4	10 pcs.	201
CCMT 060204EN-SM	6,4	6,35	2,38	2,8	0,4	10 pcs.	202
CCMT 060204EN-SMF	6,4	6,35	2,38	2,8	0,4	10 pcs.	203
CCMT 09T304EN-SF	9,7	9,52	3,97	4,4	0,4	10 pcs.	204
CCMT 09T304EN-SM	9,7	9,52	3,97	4,4	0,4	10 pcs.	205
CCMT 09T304EN-SMF	9,7	9,52	3,97	4,4	0,4	10 pcs.	206
CCMT 09T308EN-SF	9,7	9,52	3,97	4,4	0,8	10 pcs.	207
CCMT 09T308EN-SM	9,7	9,52	3,97	4,4	0,8	10 pcs.	208
CCMT 09T308EN-SMF	9,7	9,52	3,97	4,4	0,8	10 pcs.	209
CCMT 120404EN-SF	12,9	12,70	4,76	5,5	0,4	10 pcs.	210
CCMT 120404EN-SM	12,9	12,70	4,76	5,5	0,4	10 pcs.	211
CCMT 120404EN-SMF	12,9	12,70	4,76	5,5	0,4	10 pcs.	212
CCMT 120408EN-SF	12,9	12,70	4,76	5,5	0,8	10 pcs.	213
CCMT 120408EN-SM	12,9	12,70	4,76	5,5	0,8	10 pcs.	214



18554 Indexable inserts CNMG

ATORN®

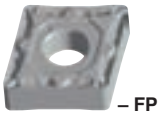
Type
Negative 0°, 80° point angle.

CNMG .....-FP + CNMG .....-FM
Use
For finishing.

CNMG .....-MP + CNMG .....-MM
Use
For medium machining.

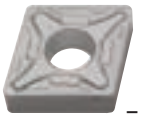
CNMG .....-RP + CNMG .....-RM
Use
For roughing.

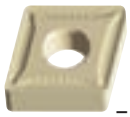
CNMG .....-WP
Type
With WIPER cutting edge geometry (same surface quality at double feed, double surface quality at same feed).


– FP


– FM


– MP
– MM


– RP


– RM


– WP

Use					PK		PK		P		M		M		M	
Carbide type					HC 7610		HC 7620		HC 7630		HC 7510		HC 7520		HC 7530	
Coating					Coated		Coated		Coated		Coated		Coated		Coated	
ISO designation	Depth of cut approx. mm	Thickness mm	r mm		18554	...	18554	...	18554	...	18554	...	18554	...	18554	...
CNMG 120404-FP	0,1 - 1,5	4,76	0,4	10 pcs.	105		205									
CNMG 120408-FP	0,2 - 2,0	4,76	0,8	10 pcs.	106		206									
CNMG 120404-FM	0,2 - 1,0	4,76	0,4	10 pcs.							505		605			
CNMG 120408-FM	0,4 - 1,5	4,76	0,8	10 pcs.							506		606			
CNMG 120404-MP	0,5 - 2,0	4,76	0,4	10 pcs.			211		411							
CNMG 120408-MP	0,8 - 3,0	4,76	0,8	10 pcs.			212		412							
CNMG 120412-MP	0,8 - 3,5	4,76	1,2	10 pcs.					413							
CNMG 120404-MM	0,5 - 4,0	4,76	0,4	10 pcs.									610		710	
CNMG 120408-MM	0,6 - 5,0	4,76	0,8	10 pcs.									611		711	
CNMG 120412-MM	1,0 - 5,0	4,76	1,2	10 pcs.											712	
CNMG 120408-RP	1,0 - 6,0	4,76	0,8	10 pcs.			221		420							
CNMG 120412-RP	1,0 - 6,0	4,76	1,2	10 pcs.			222		421							
CNMG 120408-RM	1,2 - 4,0	4,76	0,8	10 pcs.									615		715	
CNMG 120412-RM	1,5 - 4,5	4,76	1,2	10 pcs.											716	
CNMG 120408-WP	0,8 - 3,0	4,76	0,8	10 pcs.			227									

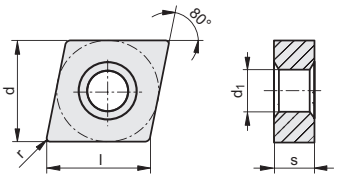
19603 Indexable inserts CNMG

CERATIZIT

Type
- Negative 0°
- 80° point angle

19603 101-108
Use
For machining of steel materials, as well as rust-resistant and acid-resistant materials.

19603 201-203
Use
For the processing of materials that are difficult to machine, such as titanium and titanium alloys, heat-resistant and high-temperature materials.



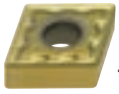
NEW

19603 101-203


- F30

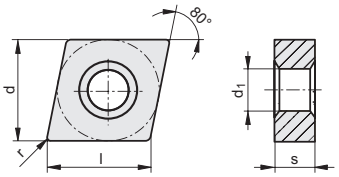

- M30


- M60


- M34

Use							PM	S
Carbide type							CTPM125	CTP5115
Coating							PVD	PVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19603 ...	19603 ...
CNMG 120404EN-F30	12,9	12,7	4,76	5,16	0,4	10 pcs.	101	
CNMG 120408EN-F30	12,9	12,7	4,76	5,16	0,8	10 pcs.	102	
CNMG 120408EN-M30	12,9	12,7	4,76	5,16	0,8	10 pcs.	103	
CNMG 120412EN-M30	12,9	12,7	4,76	5,16	1,2	10 pcs.	104	
CNMG 120416EN-M30	12,9	12,7	4,76	5,16	1,6	10 pcs.	105	
CNMG 120408EN-M60	12,9	12,7	4,76	5,16	0,8	10 pcs.	106	
CNMG 120412EN-M60	12,9	12,7	4,76	5,16	1,2	10 pcs.	107	
CNMG 120416EN-M60	12,9	12,7	4,76	5,16	1,6	10 pcs.	108	
CNMG 120404EN-M34	12,9	12,7	4,76	5,16	0,4	10 pcs.		201
CNMG 120408EN-M34	12,9	12,7	4,76	5,16	0,8	10 pcs.		202
CNMG 120412EN-M34	12,9	12,7	4,76	5,16	1,2	10 pcs.		203

19603 301-311
Use
For machining of steel materials and cast iron.



NEW

19603 301-311


- TMF


- M50


- M70

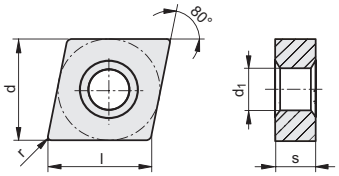
Use							PK
Carbide type							CTCP125
Coating							CVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19603 ...
CNMG 120404EN-TMF	12,9	12,70	4,76	5,16	0,4	10 pcs.	301
CNMG 120404EN-M50	12,9	12,70	4,76	5,16	0,4	10 pcs.	302
CNMG 120408EN-TMF	12,9	12,70	4,76	5,16	0,8	10 pcs.	303
CNMG 120408EN-M50	12,9	12,70	4,76	5,16	0,8	10 pcs.	304
CNMG 120412EN-M50	12,9	12,70	4,76	5,16	1,2	10 pcs.	305
CNMG 120408EN-M70	12,9	12,70	4,76	5,16	0,8	10 pcs.	306
CNMG 120412EN-M70	12,9	12,70	4,76	5,16	1,2	10 pcs.	307
CNMG 160612EN-M70	16,1	15,88	6,35	6,35	1,2	10 pcs.	308
CNMG 160616EN-M70	16,1	15,88	6,35	6,35	1,6	10 pcs.	309
CNMG 190612EN-M70	19,3	19,05	6,35	7,94	1,2	10 pcs.	310
CNMG 190616EN-M70	19,3	19,05	6,35	7,94	1,6	10 pcs.	311

19604 Indexable inserts CNMM

CERATIZIT

Type
- Negative 0°
- 80° point angle
- Single-sided roughing insert for extreme tasks

Use
For machining of steel materials and cast iron.



NEW

19604


- R28


- R58

Use							PK
Carbide type							CTCP125
Coating							CVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19604 ...
CNMM 120408EN-R28	12,9	12,7	4,76	5,16	0,8	10 pcs.	101
CNMM 120412EN-R28	12,9	12,7	4,76	5,16	1,2	10 pcs.	102
CNMM 120416EN-R28	12,9	12,7	4,76	5,16	1,6	10 pcs.	103
CNMM 120412EN-R58	12,9	12,7	4,76	5,16	1,2	10 pcs.	104
CNMM 120416EN-R58	12,9	12,7	4,76	5,16	1,6	10 pcs.	105

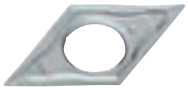
18560 Indexable inserts DCMT

ATORN®

Type
Positive 7°, 55° point angle.

DCMT .....-FP
Use
For finishing.

DCMT .....-MP
Use
For medium machining.


– FP


– MP

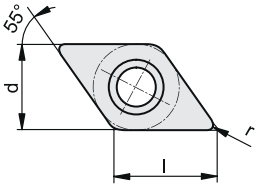
18560

Use						P M	P K	P K	P	M	M
Carbide type						H 05	HC 7610	HC 7620	HC 7630	HC 7520	HC 7530
Coating						Uncoated	Coated	Coated	Coated	Coated	Coated
ISO designation	Cutting depth approx. mm	Thickness mm	r mm			18560 ...	18560 ...	18560 ...	18560 ...	18560 ...	18560 ...
DCMT 11T304-MT	-	3,97	0,4	10 pcs.		324					
DCMT 070202-FP	0,1 - 1,0	2,38	0,2	10 pcs.			101	201			
DCMT 070204-FP	0,1 - 1,5	2,38	0,4	10 pcs.			102	202			
DCMT 11T302-FP	0,1 - 1,0	3,97	0,2	10 pcs.			103	203			
DCMT 11T304-FP	0,1 - 1,5	3,97	0,4	10 pcs.			104	204			
DCMT 070204-MP	0,4 - 2,0	2,38	0,4	10 pcs.				210	410	510	610
DCMT 070208-MP	0,6 - 2,0	2,38	0,8	10 pcs.				211	411	511	
DCMT 11T304-MP	0,4 - 3,0	3,97	0,4	10 pcs.				212	412	512	612
DCMT 11T308-MP	0,6 - 4,0	3,97	0,8	10 pcs.				213	413	513	613

19608 Indexable inserts DCMT

CERATIZIT

Type
- Positive 7°
- 55° point angle



NEW

19608 101-109

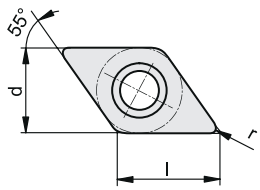

- M25


- M55

19608 101-109
Use
For machining of steel materials, as well as rust-resistant and acid-resistant materials.

Use							P M
Carbide type							CTPM125
Coating							PVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19608 ...
DCMT 070202EN-M25	7,75	6,35	2,38	2,8	0,2	10 pcs.	101
DCMT 070204EN-M25	7,75	6,35	2,38	2,8	0,4	10 pcs.	102
DCMT 070204EN-M55	7,75	6,35	2,38	2,8	0,4	10 pcs.	103
DCMT 070208EN-M55	7,75	6,35	2,38	2,8	0,8	10 pcs.	104
DCMT 11T302EN-M25	11,60	9,52	3,97	4,4	0,2	10 pcs.	105
DCMT 11T304EN-M25	11,60	9,52	3,97	4,4	0,4	10 pcs.	106
DCMT 11T304EN-M55	11,60	9,52	3,97	4,4	0,4	10 pcs.	107
DCMT 11T308EN-M25	11,60	9,52	3,97	4,4	0,8	10 pcs.	108
DCMT 11T308EN-M55	11,60	9,52	3,97	4,4	0,8	10 pcs.	109

19608 201-206
Use
For machining of steel materials and cast iron.



NEW

19608 201-206


- SF


- SM


- SMF

Use							P K
Carbide type							CTCP125
Coating							CVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19608 ...
DCMT 11T304EN-SF	11,6	9,52	3,97	4,4	0,4	10 pcs.	201
DCMT 11T304EN-SM	11,6	9,52	3,97	4,4	0,4	10 pcs.	202
DCMT 11T304EN-SMF	11,6	9,52	3,97	4,4	0,4	10 pcs.	203
DCMT 11T308EN-SF	11,6	9,52	3,97	4,4	0,8	10 pcs.	204
DCMT 11T308EN-SM	11,6	9,52	3,97	4,4	0,8	10 pcs.	205
DCMT 11T308EN-SMF	11,6	9,52	3,97	4,4	0,8	10 pcs.	206

18564 Indexable inserts DCGT

ATORN®

Type
- Positive 7°
- 55° point angle
- Depth of cut approx. 0,2 - 4,0 mm for aluminium and NF metals

18564 301-305
Type
- Polished chip deflection step for the reduction of built-up edges when machining aluminium.

Use
For turning of aluminium and other NF metals.

18564 401-405
Use
For turning of aluminium and other NF metals. For finishing corrosion-resistant materials.

18564 401-405

Use					N		N	
Carbide type					HW 6310		HC 6310	
Coating					Uncoated		Coated	
ISO designation	Depth of cut approx. mm	Thickness mm	r mm		18564	...	18564	...
DCGT 070202-MN	0,2 - 1,5	2,38	0,2	10 pcs.		301		401
DCGT 070204-MN	0,3 - 1,8	2,38	0,4	10 pcs.		302		402
DCGT 11T302-MN	0,2 - 2,0	3,97	0,2	10 pcs.		303		403
DCGT 11T304-MN	0,3 - 2,5	3,97	0,4	10 pcs.		304		404
DCGT 11T308-MN	0,5 - 3,0	3,97	0,8	10 pcs.		305		405

19607 Indexable inserts DCGT

CERATIZIT

Type
- Positive 7°
- 55° point angle
- Polished indexable insert for reduction of built-up edges

19607 101-105
Use
For machining of aluminium and NF metals.

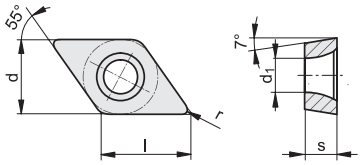
19607 201-304
Use
Coated type for machining aluminium and rust-resistant and acid-resistant materials.

NEW

19607

- 27

- 25P



Use							N		N M		N M	
Carbide type							H10T		AMZ		AMZ	
Coating							Uncoated		PVD		PVD	
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19607	...	19607	...	19607	...
DCGT 070202FN-27	7,75	6,35	2,38	2,8	0,2	10 pcs.		101		201		
DCGT 070202FN-25P	7,75	6,35	2,38	2,8	0,2	10 pcs.						301
DCGT 070204FN-27	7,75	6,35	2,38	2,8	0,4	10 pcs.		102		202		
DCGT 070204FN-25P	7,75	6,35	2,38	2,8	0,4	10 pcs.						302
DCGT 11T302FN-27	11,60	9,52	3,97	4,4	0,2	10 pcs.		103		203		
DCGT 11T304FN-25P	11,60	9,52	3,97	4,4	0,4	10 pcs.						303
DCGT 11T304FN-27	11,60	9,52	3,97	4,4	0,4	10 pcs.		104		204		
DCGT 11T308FN-27	11,60	9,52	3,97	4,4	0,8	10 pcs.		105		205		
DCGT 11T308FN-25P	11,60	9,52	3,97	4,4	0,8	10 pcs.						304

18566 Indexable inserts DNMG

ATORN®

Type
Negative 0°, 55° point angle.

DNMG .....-FP
DNMG .....-FM
Use
For finishing.

DNMG .....-MP
DNMG .....-MM
Use
For medium machining.

DNMG .....-RP
DNMG .....-RM
Use
For roughing.


– FP


– FM

18566


– MP
– MM


– RP


– RM

Use					P K		P		M		M		M	
Carbide type					HC 7620		HC 7630		HC 7510		HC 7520		HC 7530	
Coating					Coated		Coated		Coated		Coated		Coated	
ISO designation	Depth of cut approx. mm	Thickness mm	r mm		18566	...	18566	...	18566	...	18566	...	18566	...
DNMG 110408-FP	0,2 - 2,0	4,76	0,8	10 pcs.	202									
DNMG 150604-FP	0,1 - 1,5	6,35	0,4	10 pcs.	203									
DNMG 110408-FM	0,4 - 1,5	4,76	0,8	10 pcs.					506					
DNMG 150604-FM	0,2 - 1,0	6,35	0,4	10 pcs.					507		607			
DNMG 110404-MP	0,5 - 4,0	4,76	0,4	10 pcs.	210		410							
DNMG 110408-MP	0,6 - 4,0	4,76	0,8	10 pcs.	211									
DNMG 150604-MP	0,5 - 4,0	6,35	0,4	10 pcs.	212		412							
DNMG 150608-MP	0,6 - 5,0	6,35	0,8	10 pcs.	213		413							
DNMG 150604-MM	0,5 - 4,0	6,35	0,4	10 pcs.							615		715	
DNMG 150608-MM	0,6 - 5,0	6,35	0,8	10 pcs.							616			
DNMG 150608-RP	1,0 - 5,0	6,35	0,8	10 pcs.	220		420							
DNMG 150612-RP	1,0 - 6,0	6,35	1,2	10 pcs.	221									
DNMG 150608-RM	1,2 - 4,0	6,35	0,8	10 pcs.							620			

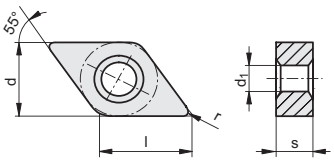
19610 Indexable inserts DNMG

CERATIZIT

Type
- Negative 0°
- 55° point angle

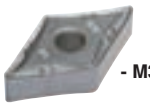
19610 101-110
Use
For machining of steel materials, as well as rust-resistant and acid-resistant materials.

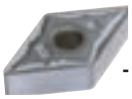
19610 201-202
Use
For the processing of materials that are difficult to machine, such as titanium and titanium alloys, heat-resistant and high-temperature materials.

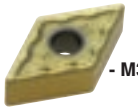


NEW


- F30

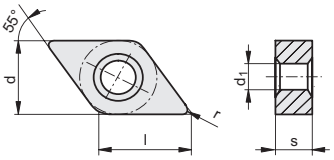

19610 101-202
- M30


- M60


- M34

Use							PM	S
Carbide type							CTPM125	CTP5115
Coating							PVD	PVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19610 ...	19610 ...
DNMG 110404EN-F30	11,6	9,52	4,76	3,81	0,4	10 pcs.	101	
DNMG 110408EN-F30	11,6	9,52	4,76	3,81	0,8	10 pcs.	102	
DNMG 150604EN-F30	15,5	12,70	6,35	5,16	0,4	10 pcs.	103	
DNMG 150608EN-F30	15,5	12,70	6,35	5,16	0,8	10 pcs.	104	
DNMG 110408EN-M30	11,6	9,52	4,76	3,81	0,8	10 pcs.	105	
DNMG 110412EN-M30	11,6	9,52	4,76	3,81	1,2	10 pcs.	106	
DNMG 150608EN-M30	15,5	12,70	6,35	5,16	0,8	10 pcs.	107	
DNMG 150612EN-M30	15,5	12,70	6,35	5,16	1,2	10 pcs.	108	
DNMG 150612EN-M60	15,5	12,70	6,35	5,16	1,2	10 pcs.	109	
DNMG 150608EN-M60	15,5	12,70	6,35	5,16	0,8	10 pcs.	110	
DNMG 150608EN-M34	15,5	12,70	6,35	5,16	0,8	10 pcs.		201
DNMG 150612EN-M34	15,5	12,70	6,35	5,16	1,2	10 pcs.		202

19610 301-310
Use
For machining of steel materials and cast iron.



NEW


- TMF


19610 301-310
- M50


- M70

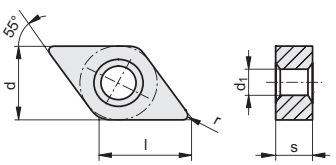
Use							PK
Carbide type							CTCP125
Coating							CVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19610 ...
DNMG 110404EN-TMF	11,6	9,52	4,76	3,81	0,4	10 pcs.	301
DNMG 110404EN-M50	11,6	9,52	4,76	3,81	0,8	10 pcs.	302
DNMG 110408EN-M50	11,6	9,52	4,76	3,81	0,8	10 pcs.	303
DNMG 150604EN-TMF	15,5	12,70	6,35	5,16	0,4	10 pcs.	304
DNMG 150604EN-M50	15,5	12,70	6,35	5,16	0,4	10 pcs.	305
DNMG 150608EN-TMF	15,5	12,70	6,35	5,16	0,8	10 pcs.	306
DNMG 150608EN-M50	15,5	12,70	6,35	5,16	0,8	10 pcs.	307
DNMG 150612EN-M50	15,5	12,70	6,35	5,16	1,2	10 pcs.	308
DNMG 110412EN-M70	11,6	9,52	4,76	3,81	1,2	10 pcs.	309
DNMG 150608EN-M70	15,5	12,70	6,35	5,16	0,8	10 pcs.	310

19611 Indexable inserts DNMM

CERATIZIT

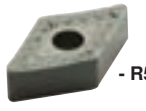
Type
- Negative 0°
- 55° point angle

Use
For machining of steel materials and cast iron.



NEW


- R28

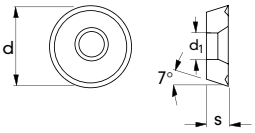

19611
- R58

Use							PK
Carbide type							CTCP125
Coating							CVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19611 ...
DNMM 150612EN-R28	15,5	12,7	6,35	5,16	1,2	10 pcs.	101
DNMM 150616EN-R28	15,5	12,7	6,35	5,16	1,6	10 pcs.	102
DNMM 150612EN-R58	15,5	12,7	6,35	5,16	1,2	10 pcs.	103
DNMM 150616EN-R58	15,5	12,7	6,35	5,16	1,6	10 pcs.	104

18570 Indexable insert RCGT

ALU

Type
Positive 7°, with sintered-in chip deflection step. Specially for aluminium alloys, extremely formed chip deflection step, optimal sharp cutting edge, precision ground type, excellent surface.

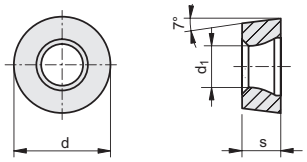


18570

Use					
Carbide type					N
Coating					H 25
					Uncoated
ISO designation	d mm	s mm	d_1 mm		18570 ...
RCGT 0803 MO-2	8,0	3,18	3,4	10 pcs.	101

18572 Indexable inserts RCMT

Type
Positive 7°, with sintered-in chip deflection step.



18572

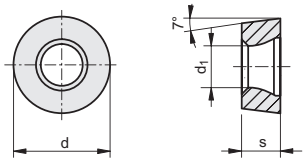
Use					
Solid carbide types					PMK
Coating					H 42
					Coated
ISO designation	d mm	s mm	d_1 mm		18572 ...
RCMT 0602 MO	6	2,38	2,8	10 pcs.	210
RCMT 0803 MO	8	3,18	3,4	10 pcs.	220
RCMT 10T3 MO	10	3,97	4,4	10 pcs.	230

19625 Indexable inserts RCMT

CERATIZIT

Type
- Positive 7°

Use
For machining of steel materials and cast iron.



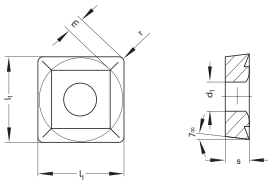
NEW

19625

Use					
Carbide type					PK
Coating					CTCP125
					CVD
ISO designation	d mm	s mm	d_1 mm		19625 ...
RCMT 1003MOSN-SM	10	3,18	4,0	10 pcs.	101
RCMT 1204MOSN-SM	12	4,76	4,9	10 pcs.	102
RCMT 1606MOSN-SM	16	6,35	5,3	10 pcs.	103
RCMT 2006MOSN-SM	20	6,35	6,5	10 pcs.	104

18578 Indexable inserts SCMT

Type
- Positive 7°
- 90° point angle
- With sintered-in chip deflection step



- MT

18578

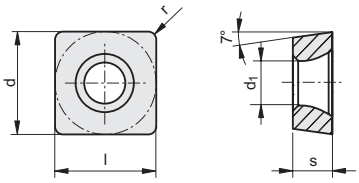
* MP

Use							P M K	P K
Carbide type							H 42	HC 7620
Coating							Coated	Coated
ISO designation	l_1 mm	s mm	r mm	d_1 mm			18578 ...	18578 ...
SCMT 060204	6,30	2,38	0,4	2,8	10 pcs.		211	
SCMT 09T308-MP	9,52	3,97	0,8	4,4	10 pcs.			221
SCMT 120408-MT	12,70	4,76	0,8	5,5	10 pcs.		231	

19612 Indexable inserts SCMT

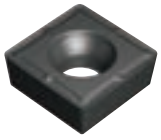
CERATIZIT

Type
- Positive 7°
- 90° point angle



NEW

19612 101-102

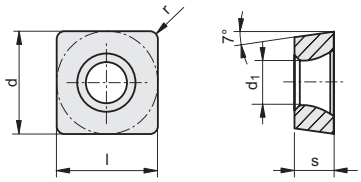


- M55

19612 101-102
Use
For machining of steel materials, as well as rust-resistant and acid-resistant materials.

Use							P M
Carbide type							CTPM125
Coating							PVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19612 ...
SCMT 09T308EN-M55	9,52	9,52	3,97	4,4	0,8	10 pcs.	101
SCMT 120408EN-M55	12,70	12,70	4,76	5,5	0,8	10 pcs.	102

19612 201-207
Use
For machining of steel materials and cast iron.



NEW

19612 201-207

- SF

- SM

Use							P K
Carbide type							CTCP125
Coating							CVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19612 ...
SCMT 09T304EN-SF	9,52	9,52	3,97	4,4	0,4	10 pcs.	201
SCMT 09T304EN-SM	9,52	9,52	3,97	4,4	0,4	10 pcs.	202
SCMT 09T308EN-SF	9,52	9,52	3,97	4,4	0,8	10 pcs.	203
SCMT 09T308EN-SM	9,52	9,52	3,97	4,4	0,8	10 pcs.	204
SCMT 120408EN-SF	12,70	12,70	4,76	5,5	0,8	10 pcs.	205
SCMT 120408EN-SM	12,70	12,70	4,76	5,5	0,8	10 pcs.	206
SCMT 120412EN-SM	12,70	12,70	4,76	5,5	1,2	10 pcs.	207

18582 Indexable inserts SNMG

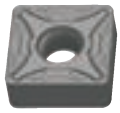
ATORN®

Type
- Negative 0°
- 90° point angle

SNMG.....-MP
Use
For medium machining.

SNMG.....-RP
Use
For roughing.

– MP



18582

– RP

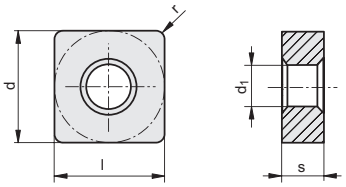
Use						P K	P
Carbide type						HC 7620	HC 7630
Coating						Coated	Coated
ISO designation	Depth of cut approx. mm	Thickness mm	r mm			18582 ...	18582 ...
SNMG 120408-MP	0,6 - 5,0	4,76	0,8	10 pcs.		302	402
SNMG 120412-MP	1,0 - 5,0	4,76	1,2	10 pcs.			403
SNMG 120408-RP	1,0 - 6,0	4,76	0,8	10 pcs.		306	406

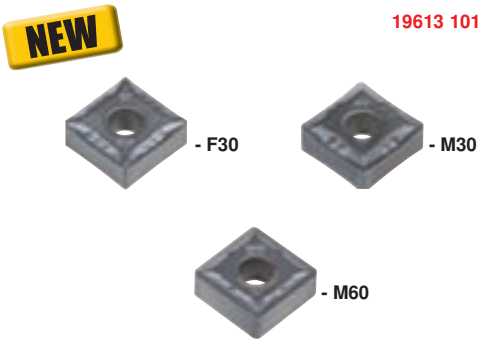
19613 Indexable inserts SNMG

CERATIZIT

Type
- Negative 0°
- 90° point angle

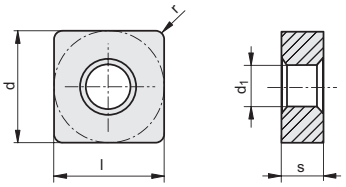
19613 101-107
Use
For machining of steel materials, as well as rust-resistant and acid-resistant materials.





Use							PM
Carbide type							CTPM125
Coating							PVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19613 ...
SNMG 120404EN-F30	12,7	12,7	4,76	5,16	0,4	10 pcs.	101
SNMG 120408EN-F30	12,7	12,7	4,76	5,16	0,8	10 pcs.	102
SNMG 120408EN-M30	12,7	12,7	4,76	5,16	0,8	10 pcs.	103
SNMG 120408EN-M60	12,7	12,7	4,76	5,16	0,8	10 pcs.	104
SNMG 120412EN-M30	12,7	12,7	4,76	5,16	1,2	10 pcs.	105
SNMG 120412EN-M60	12,7	12,7	4,76	5,16	1,2	10 pcs.	106
SNMG 120416EN-M60	12,7	12,7	4,76	5,16	1,6	10 pcs.	107

19613 201-203
Use
For machining of steel materials and cast iron.



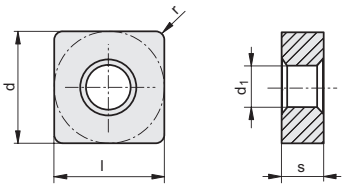
Use							PK
Carbide type							CTCP125
Coating							CVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19613 ...
SNMG 120408EN-M50	12,7	12,7	4,76	5,16	0,8	10 pcs.	201
SNMG 120412EN-M50	12,7	12,7	4,76	5,16	1,2	10 pcs.	202
SNMG 120408EN-M70	12,7	12,7	4,76	5,16	0,8	10 pcs.	203

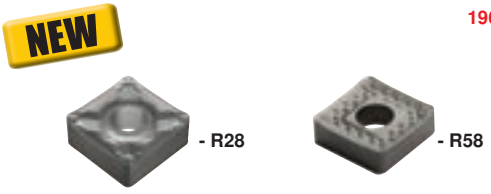
19614 Indexable inserts SNMM

CERATIZIT

Type
- Negative 0°
- 90° point angle
- Single-sided roughing insert for extreme tasks

Use
For machining of steel materials and cast iron.

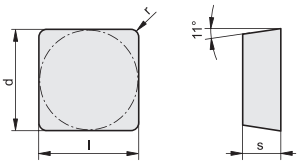




Use							PK
Carbide type							CTCP125
Coating							CVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19614 ...
SNMM 150612EN-R28	15,88	15,88	6,35	6,35	1,2	10 pcs.	101
SNMM 150616EN-R28	15,88	15,88	6,35	6,35	1,6	10 pcs.	102
SNMM 150612EN-R58	15,88	15,88	6,35	6,35	1,2	10 pcs.	103
SNMM 150616EN-R58	15,88	15,88	6,35	6,35	1,6	10 pcs.	104

18590 Indexable inserts SPUN

Type
- Positive 11°
- 90° point angle
- Without chip deflection step



18590

Use					P M	P M K
Carbide					H 12	H 42
Coating					Uncoated	Coated
ISO designation	d+l mm	s mm	r mm		18590 ...	18590 ...
SPUN 120308	12,7	3,18	0,8	10 pcs.	316	320

18593 Indexable inserts TCGT

ALU

ATORN®

Type
Positive 7°, 60° point angle. Depth of cut approx. 0,2-6,0 for aluminium and NF metals.

Use
For turning of aluminium and other NF metals.
For finishing corrosion-resistant materials.

18593

Use					N
Carbide type					HC 6310
Coating					Coated
ISO designation	Depth of cut approx. mm	Thickness mm	r mm		18593 ...
TCGT 110204-MN	0,3 - 1,8	2,38	0,4	10 pcs.	202

19615 Indexable inserts TCGT

CERATIZIT

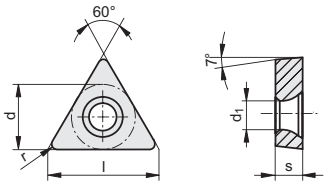
Type
- Positive 7°
- 60° point angle
- Polished indexable insert for reduction of built-up edges

19615 101-103
Use
For machining of aluminium and NF metals.

19615 201-203
Use
Coated type for machining aluminium and rust-resistant and acid-resistant materials.

NEW

19615



Use							N	N M
Carbide type							H10T	AMZ
Coating							Uncoated	PVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19615 ...	19615 ...
TCGT 110202FN-27	11,0	6,35	2,38	2,8	0,2	10 pcs.	101	201
TCGT 110204FN-27	11,0	6,35	2,38	2,8	0,4	10 pcs.	102	202
TCGT 16T308FN-27	16,5	9,52	3,97	4,4	0,8	10 pcs.	103	203

18594 Indexable inserts TCMT

ATORN®

Type
- Positive 7°
- 60° point angle

Use
For medium machining.

18594

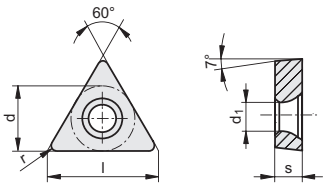
Use					P K	P	M	M
Carbide type					HC 7620	HC 7630	HC 7520	HC 7530
Coating					Coated	Coated	Coated	Coated
ISO designation	Depth of cut approx. mm	Thickness mm	r mm		18594 ...	18594 ...	18594 ...	18594 ...
TCMT 110204-MP	0,4 - 3,0	2,38	0,4	10 pcs.		302	402	502
TCMT 16T304-MP	0,4 - 3,0	3,97	0,4	10 pcs.	104	304	404	
TCMT 16T308-MP	0,6 - 4,0	3,97	0,8	10 pcs.	105	305		505

19616 Indexable inserts TCMT

CERATIZIT

Type
- Positive 7°
- 60° point angle

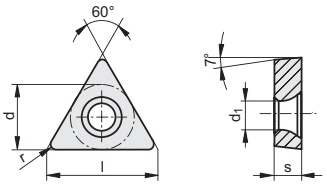
19616 101-106
Use
For machining of steel materials, as well as rust-resistant and acid-resistant materials.

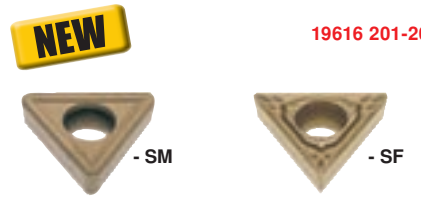


19616 101-106

Use							P M
Carbide type							CTPM125
Coating							PVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19616 ...
TCMT 090204EN-M55	9,6	5,56	2,38	2,5	0,4	10 pcs.	101
TCMT 110204EN-M25	11,0	6,35	2,38	2,8	0,4	10 pcs.	102
TCMT 110204EN-M55	11,0	6,35	2,38	2,8	0,4	10 pcs.	103
TCMT 16T304EN-M25	16,5	9,52	3,97	4,4	0,4	10 pcs.	104
TCMT 16T308EN-M25	16,5	9,52	3,97	4,4	0,8	10 pcs.	105
TCMT 16T308EN-M55	16,5	9,52	3,97	4,4	0,8	10 pcs.	106

19616 201-208
Use
For machining of steel materials and cast iron.





19616 201-208

Use							P K
Carbide type							CTCP125
Coating							CVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19616 ...
TCMT 090204EN-SM	9,6	5,56	2,38	2,5	0,4	10 pcs.	201
TCMT 110204EN-SF	11,0	6,35	2,38	2,8	0,4	10 pcs.	202
TCMT 110204EN-SM	11,0	6,35	2,38	2,8	0,4	10 pcs.	203
TCMT 110208EN-SF	11,0	6,35	2,38	2,8	0,8	10 pcs.	204
TCMT 16T304EN-SF	16,5	9,52	3,97	4,4	0,4	10 pcs.	205
TCMT 16T304EN-SM	16,5	9,52	3,97	4,4	0,4	10 pcs.	206
TCMT 16T308EN-SF	16,5	9,52	3,97	4,4	0,8	10 pcs.	207
TCMT 16T308EN-SM	16,5	9,52	3,97	4,4	0,8	10 pcs.	208

18598 Indexable inserts TNMG

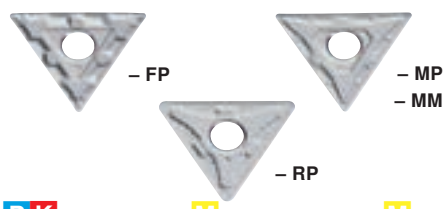
ATORN®

Type
Negative 0°, 60° point angle.

TNMG .....-FP
Use
For finishing.

TNMG .....-MP
TNMG .....-MM
Use
For medium machining.

TNMG .....-RP
Use
For roughing.



18598

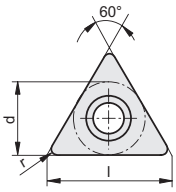
Use						P K	M	M
Carbide type						HC 7620	HC 7520	HC 7530
Coating						Coated	Coated	Coated
ISO designation	Depth of cut approx. mm	Thickness mm	r mm			18598 ...	18598 ...	18598 ...
TNMG 160404-FP	0,1 - 1,5	4,76	0,4	10 pcs.		402		
TNMG 160404-MP	0,5 - 4,0	4,76	0,4	10 pcs.		410		
TNMG 160408-MP	0,6 - 4,0	4,76	0,8	10 pcs.		411		
TNMG 160408-MM	0,6 - 4,0	4,76	0,8	10 pcs.			714	814
TNMG 160408-RP	1,0 - 5,0	4,76	0,8	10 pcs.		415		
TNMG 160412-RP	1,0 - 5,0	4,76	1,2	10 pcs.		416		

= Sales are restricted to the packaging units mentioned in the catalogue. Purchase orders must be in units.

19618 Indexable inserts TNMG

CERATIZIT

Type
- Negative 0°
- 60° point angle



NEW

19618 101-106


- F30


- M30

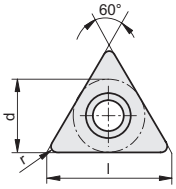

- M60

19618 101-106
Use
For machining of steel materials, as well as rust-resistant and acid-resistant materials.

Use	P M
Carbide type	CTPM125
Coating	PVD

ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19618 ...
TNMG 160404EN-F30	16,5	9,52	4,76	3,81	0,4	10 pcs.	101
TNMG 160408EN-F30	16,5	9,52	4,76	3,81	0,8	10 pcs.	102
TNMG 160408EN-M30	16,5	9,52	4,76	3,81	0,8	10 pcs.	103
TNMG 160412EN-M30	16,5	9,52	4,76	3,81	1,2	10 pcs.	104
TNMG 160408EN-M60	16,5	9,52	4,76	3,81	0,8	10 pcs.	105
TNMG 160412EN-M60	16,5	9,52	4,76	3,81	1,2	10 pcs.	106

19618 201-207
Use
For machining of steel materials and cast iron.



NEW

19618 201-207


- TMF


- M50

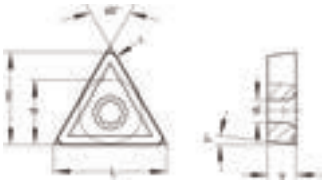

- M70

Use	P K
Carbide type	CTCP125
Coating	CVD

ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19618 ...
TNMG 160404EN-TMF	16,5	9,52	4,76	3,81	0,4	10 pcs.	201
TNMG 160404EN-M50	16,5	9,52	4,76	3,81	0,4	10 pcs.	202
TNMG 160408EN-TMF	16,5	9,52	4,76	3,81	0,8	10 pcs.	203
TNMG 160408EN-M50	16,5	9,52	4,76	3,81	0,8	10 pcs.	204
TNMG 160412EN-M50	16,5	9,52	4,76	3,81	1,2	10 pcs.	205
TNMG 220408EN-M70	22,0	12,70	4,76	5,16	0,8	10 pcs.	206
TNMG 220412EN-M70	22,0	12,70	4,76	5,16	1,2	10 pcs.	207

18603 Indexable inserts TPMR

Type
Positive 11°, 60° point angle, with sintered-in chip deflection step.



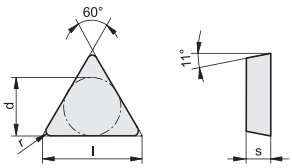
18603

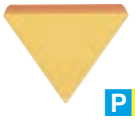
Use	P M K
Solid carbide types	H 42
Coating	Coated

ISO designation	l_1 mm	s mm	r mm	d mm		18603 ...
TPMR 160304	16,5	3,18	0,4	9,52	10 pcs.	210
TPMR 160308	16,5	3,18	0,8	9,52	10 pcs.	220

18607 Indexable inserts TPUN

Type
Positive 11°, 60° point angle, without chip deflection step.





18607

Use	P M K
Solid carbide types	H 42
Coating	Coated

ISO designation	l mm	s mm	r mm	d mm		18607 ...
TPUN 160304	16,5	3,18	0,4	9,52	10 pcs.	230

18611 Indexable inserts VCGT

ALU

ATORN®

Type
- Positive 7°
- 35° point angle
- Depth of cut approx. 0,2 - 6,0 mm for aluminium and NF metals

18611 101-105
Type
Polished chip deflection step for the reduction of built-up edges when machining aluminium.
Use
For turning of aluminium and other NF metals.

18611 301-305
Use
For turning of aluminium and other NF metals.
For finishing corrosion-resistant materials.

18611 301-305

Use						N		N	
Carbide type						HW 6310		HC 6310	
Coating						Uncoated		Coated	
ISO designation	Cutting depth approx. mm	Thickness mm	r mm			18611	...	18611	...
VCGT 110302-MN	0,2 - 1,5	3,18	0,2	10 pcs.		101		301	
VCGT 110304-MN	0,3 - 1,8	3,18	0,4	10 pcs.		102		302	
VCGT 160404-MN	0,3 - 2,5	4,76	0,4	10 pcs.		104		304	
VCGT 160408-MN	0,5 - 3,0	4,76	0,8	10 pcs.		105		305	

19620 Indexable inserts VCGT

CERATIZIT

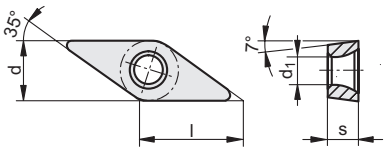
Type
- Positive 7°
- 35° point angle
- Polished indexable insert for reduction of built-up edges

19620 101-105
Use
For machining of aluminium and NF metals.

19620 201-205
Use
Coated type for machining aluminium and rust-resistant and acid-resistant materials.

NEW

19620



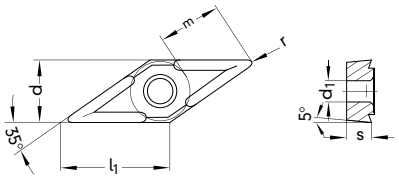
Use								N		N M	
Carbide type								H10T		AMZ	
Coating								Uncoated		PVD	
ISO designation	l mm	d mm	s mm	d_1 mm	r mm			19620	...	19620	...
VCGT 110302FN-27	11,1	6,35	3,18	2,9	0,2	10 pcs.		101		201	
VCGT 110304FN-27	11,1	6,35	3,18	2,9	0,4	10 pcs.		102		202	
VCGT 160404FN-27	16,6	9,52	4,76	4,4	0,4	10 pcs.		103		203	
VCGT 160408FN-27	16,6	9,52	4,76	4,4	0,8	10 pcs.		104		204	
VCGT 160412FN-27	16,6	9,52	4,76	4,4	1,2	10 pcs.		105		205	

18612 Indexable inserts VBGT

ALU

Type
- Positive 5°
- 35° point angle
- With sintered-in chip deflection step
- Specially for aluminium alloys
- Extreme shaped chip deflection step
- Optimal sharp cutting edge
- Precision ground Type
- Excellent surface

18612

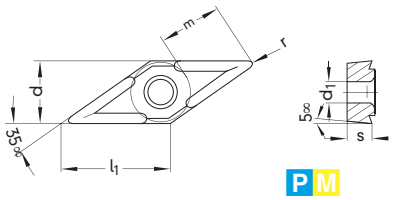


Use								N	
Carbide type								H 25	
Coating								Uncoated	
ISO designation	l_1 mm	s mm	r mm	d mm	d_1 mm			18612	...
VBGT 160404-2	16,6	4,76	0,4	9,52	4,4	10 pcs.		101	

18614 Indexable inserts VBMT

ATORN®

Type
- Positive 5°
- 35° point angle
- With sintered-in chip deflection step



18614

– SP
– SM

Use							P M	P K	M
Carbide type							H 05	HC 7620	HC 7520
Coating							Uncoated	Coated	Coated
ISO designation	l_1 mm	s mm	r mm	d mm	d_1 mm		18614 ...	18614 ...	18614 ...
VBMT 160404	16,6	4,76	0,4	9,52	4,4	10 pcs.	304		
VBMT 160404-SP	16,6	4,76	0,4	9,52	4,4	10 pcs.		310	
VBMT 160408-SP	16,6	4,76	0,8	9,52	4,4	10 pcs.		320	
VBMT 160404-SM	16,6	4,76	0,4	9,52	4,4	10 pcs.			311
VBMT 160408-SM	16,6	4,76	0,8	9,52	4,4	10 pcs.			321

18615 Indexable inserts VCMT

ATORN®

Type
- Positive 7°
- 35° point angle

VCMT .....-FP
Use
For finishing.

VCMT .....-MP
Use
For medium machining.

18615

– FP

– MP

Use						P K	P K	P	M	M
Carbide type						HC 7610	HC 7620	HC 7630	HC 7520	HC 7530
Coating						Coated	Coated	Coated	Coated	Coated
ISO designation	Cutting depth approx. mm	Thickness mm	r mm			18615 ...	18615 ...	18615 ...	18615 ...	18615 ...
VCMT 110302-FP	0,1 - 1,0	3,18	0,2	10 pcs.		101	301			
VCMT 110304-FP	0,1 - 1,5	3,18	0,4	10 pcs.		102	302			
VCMT 160402-FP	0,1 - 1,0	4,76	0,2	10 pcs.		103	303			
VCMT 160404-FP	0,1 - 1,5	4,76	0,4	10 pcs.		104	304			
VCMT 110304-MP	0,4 - 2,5	3,18	0,4	10 pcs.			310	410	510	610
VCMT 110308-MP	0,6 - 3,0	3,18	0,8	10 pcs.			311		511	
VCMT 160404-MP	0,4 - 2,5	4,76	0,4	10 pcs.			312	412	512	612
VCMT 160408-MP	0,6 - 3,0	4,76	0,8	10 pcs.			313	413		613

19621 Indexable inserts VCMT/VCGT

CERATIZIT

Type
- Positive 7°
- 35° point angle

19621 101-103
Use
For machining of steel materials, as well as rust-resistant and acid-resistant materials.

19621 201-208
Use
For machining of steel materials and cast iron.

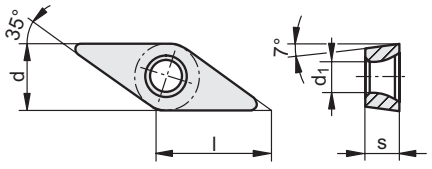
NEW

19621 101-103

- M25

- M55

Use							P M
Carbide type							CTPM125
Coating							PVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19621 ...
VCMT 160404EN-M25	16,6	9,52	4,76	4,4	0,4	10 pcs.	101
VCMT 160404EN-M55	16,6	9,52	4,76	4,4	0,4	10 pcs.	102
VCMT 160408EN-M55	16,6	9,52	4,76	4,4	0,8	10 pcs.	103



Use							P K
Carbide type							CTCP125
Coating							CVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19621 ...
VCGT 110304EN-SF	11,1	6,35	3,18	2,9	0,4	10 pcs.	201
VCGT 110308EN-SF	11,1	6,35	3,18	2,9	0,8	10 pcs.	202
VCMT 160404EN-SF	16,6	9,52	4,76	4,4	0,4	10 pcs.	203
VCMT 160404EN-SM	16,6	9,52	4,76	4,4	0,4	10 pcs.	204
VCMT 160404EN-SMF	16,6	9,52	4,76	4,4	0,4	10 pcs.	205
VCMT 160408EN-SF	16,6	9,52	4,76	4,4	0,8	10 pcs.	206
VCMT 160408EN-SM	16,6	9,52	4,76	4,4	0,8	10 pcs.	207
VCMT 160412EN-SMF	16,6	9,52	4,76	4,4	0,8	10 pcs.	208

19621 201-208

- SF

- SM

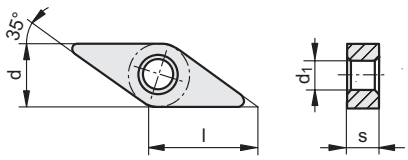
- SMF

= Sales are restricted to the packaging units mentioned in the catalogue. Purchase orders must be in units.

19622 Indexable inserts VNMG

CERATIZIT

Type
- Negative 0°
- 35° point angle



NEW

19622 101-103

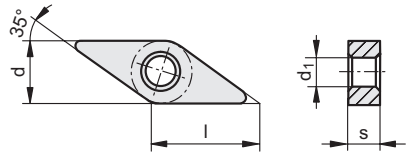

- F30


- M30

19622 101-103
Use
For machining of steel materials, as well as rust-resistant and acid-resistant materials.

Use							P M	
Carbide type							CTPM125	
Coating							PVD	
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19622	...
VNMG 160404EN-F30	16,6	9,52	4,76	3,81	0,4	10 pcs.		101
VNMG 160408EN-F30	16,6	9,52	4,76	3,81	0,8	10 pcs.		102
VNMG 160408EN-M30	16,6	9,52	4,76	3,81	0,8	10 pcs.		103

19622 201-203
Use
For machining of steel materials and cast iron.



NEW

19622 201-203


- M50

Use							P K	
Carbide type							CTCP125	
Coating							CVD	
ISO designation	l mm	d mm	s mm	d_1 mm	r mm		19622	...
VNMG 160404EN-M50	16,6	9,52	4,76	3,81	0,4	10 pcs.		201
VNMG 160408EN-M50	16,6	9,52	4,76	3,81	0,8	10 pcs.		202
VNMG 160412EN-M50	16,6	9,52	4,76	3,81	1,2	10 pcs.		203

18620 Indexable inserts WNMG

ATORN®

Type
- Negative 0°
- 80° point angle

WNMG .....-WP
Type
With WIPER cutting edge geometry (same surface quality at double feed, double surface quality at same feed).

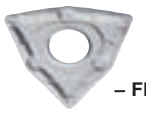
WNMG .....-FP
WNMG .....-FM
Use
For finishing.

WNMG .....-MP
WNMG .....-MM
Use
For medium machining.

WNMG .....-RP
WNMG .....-RM
Use
For roughing.

18620

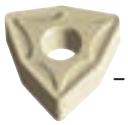

– WP


– FP


– FM


– MP
– MM


– RP

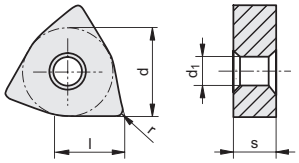

– RM

Use					P K		P K		P		M		M		M	
Carbide type					HC 7610		HC 7620		HC 7630		HC 7510		HC 7520		HC 7530	
Coating					Coated		Coated		Coated		Coated		Coated		Coated	
ISO designation	Cutting depth approx. mm	Thickness mm	r mm		18620	...	18620	...	18620	...	18620	...	18620	...	18620	...
WNMG 080408-WP	0,8 - 3,0	4,76	0,8	10 pcs.			201									
WNMG 080412-WP	1,5 - 4,0	4,76	1,2	10 pcs.	102											
WNMG 080404-FP	0,1 - 1,5	4,76	0,4	10 pcs.			207									
WNMG 080408-FP	0,2 - 2,0	4,76	0,8	10 pcs.			208									
WNMG 060404-FM	0,2 - 1,0	4,76	0,4	10 pcs.							510					
CNMG 080404-FM	0,2 - 1,0	4,76	0,4	10 pcs.							512		612			
WNMG 060404-MP	0,5 - 4,0	4,76	0,4	10 pcs.			211									
WNMG 060408-MP	0,6 - 4,0	4,76	0,8	10 pcs.			212									
WNMG 080404-MP	0,5 - 4,0	4,76	0,4	10 pcs.			213		413							
WNMG 080408-MP	0,6 - 4,0	4,76	0,8	10 pcs.			214		414							
WNMG 080412-MP	1,0 - 6,0	4,76	1,2	10 pcs.			215									
WNMG 060404-MM	0,5 - 4,0	4,76	0,4	10 pcs.											720	
WNMG 060408-MM	0,6 - 4,0	4,76	0,8	10 pcs.									621		721	
WNMG 080408-MM	0,6 - 5,0	4,76	0,8	10 pcs.									622		722	
WNMG 080408-RP	1,0 - 6,0	4,76	0,8	10 pcs.			220		420							
WNMG 080412-RP	1,0 - 6,0	4,76	1,2	10 pcs.			221									
WNMG 080408-RM	1,2 - 4,0	4,76	0,8	10 pcs.									625		725	

CERATIZIT

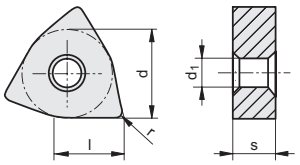
Type
- Negative 0°
- 80° point angle

19623 101-112
Use
For machining of steel materials, as well as rust-resistant and acid-resistant materials.



Use								P M
Carbide type								CTPM125
Coating								PVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm			19623 ...
WNMG 060404EN-F30	6,50	9,52	4,76	3,81	0,4	10 pcs.		101
WNMG 060408EN-F30	6,50	9,52	4,76	3,81	0,8	10 pcs.		102
WNMG 060408EN-M30	6,50	9,52	4,76	3,81	0,8	10 pcs.		103
WNMG 060408EN-M60	6,50	9,52	4,76	3,81	0,8	10 pcs.		104
WNMG 060412EN-M30	6,50	9,52	4,76	3,81	1,2	10 pcs.		105
WNMG 060412EN-M60	6,50	9,52	4,76	3,81	1,2	10 pcs.		106
WNMG 080404EN-F30	8,69	12,70	4,76	5,16	0,4	10 pcs.		107
WNMG 080408EN-F30	8,69	12,70	4,76	5,16	0,8	10 pcs.		108
WNMG 080408EN-M30	8,69	12,70	4,76	5,16	0,8	10 pcs.		109
WNMG 080412EN-M30	8,69	12,70	4,76	5,16	1,2	10 pcs.		110
WNMG 080408EN-M60	8,69	12,70	4,76	5,16	0,8	10 pcs.		111
WNMG 080412EN-M60	8,69	12,70	4,76	5,16	1,2	10 pcs.		112

19623 201-210
Use
For machining of steel materials and cast iron.



Use								P K
Carbide type								CTCP125
Coating								CVD
ISO designation	l mm	d mm	s mm	d_1 mm	r mm			19623 ...
WNMG 060404EN-TMF	6,50	9,52	4,76	3,81	0,4	10 pcs.		201
WNMG 060408EN-TMF	6,50	9,52	4,76	3,81	0,8	10 pcs.		202
WNMG 060408EN-M50	6,50	9,52	4,76	3,81	0,8	10 pcs.		203
WNMG 060412EN-M50	6,50	9,52	4,76	3,81	1,2	10 pcs.		204
WNMG 080404EN-TMF	8,69	12,70	4,76	5,16	0,4	10 pcs.		205
WNMG 080408EN-TMF	8,69	12,70	4,76	5,16	0,8	10 pcs.		206
WNMG 080408EN-M50	8,69	12,70	4,76	5,16	0,8	10 pcs.		207
WNMG 080412EN-M50	8,69	12,70	4,76	5,16	1,2	10 pcs.		208
WNMG 080408EN-M70	8,69	12,70	4,76	5,16	0,8	10 pcs.		209
WNMG 080412EN-M70	8,69	12,70	4,76	5,16	1,2	10 pcs.		210

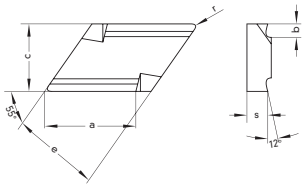
18623 Indexable inserts KNUX

ATORN®

Type
- Negative 0°
- 55° point angle
- With sintered-in chip deflection step

18623

Use							P M K	
Carbide type							HC 6640	
Coating							Coated	
ISO designation	a mm	s mm	r mm	b mm	e mm		18623	...
KNUX 160405R-11	16	4,76	0,5	2,2	9,52	10 pcs.	210	
KNUX 160405L-11	16	4,76	0,5	2,2	9,52	10 pcs.	220	
KNUX 160410R-12	16	4,76	1,0	3,2	9,52	10 pcs.	230	
KNUX 160410L-12	16	4,76	1,0	3,2	9,52	10 pcs.	240	



18626 - 18629 Indexable inserts (negative)

ALU

HW

Type
- Excellent chip control, surfaces, ductility and wear characteristics.
- Doubled number of cutting edges per WP.

Use
Up to approx. 5 mm cutting depth. In standard tool holders.

18626
- Negative,
- 80° point angle

18627
- Negative
- 55° point angle

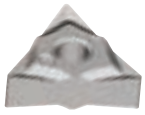
18628
- Triangular
- **Negative**

18629
- Negative
- 35° point angle

18626

18627

18628



18629

Use		N		N		N		N	
Carbide type		LT 05		LT 05		LT 05		LT 05	
Coating		Coated		Coated		Coated		Coated	
ISO designation		18626	...	18627	...	18628	...	18629	...
CNGG 120404-ALU		101							
CNGG 120408-ALU		102							
DNGG 110404-ALU				101					
DNGG 110408-ALU				102					
TNGG 160404-ALU						101			
VNGG 160404-ALU								101	
VNGG 160408-ALU								102	

18638 - 18646 Ceramic cutting tips for turning (H 77) cast steels and hardened steels

- For precision hard turning of steels 54-64 HRC
- For finishing GG + GGG

Advantage:
- Complex grinding is dispensed with

Implementation areas of the H 77

- In the industry for precision hard turning of hardened steel workpieces, such as gears, drive bevel gears, drive shafts, pinions and sliding clutches. For these applications, usually case-hardened steels with a hardness from 54 to 64 HRC are machined, for which the precision hard turning substitutes for grinding of the workpieces.
- For finishing and fine finishing when turning and milling GG and GGG workpieces, where close dimensional and form tolerances, as well as high surface qualities are required.

Cutting data recommendations for finish turning and fine turning with H 77

Grey cast iron with lamellar graphite GG					
Operation	Hardness HB	Cutting speed v_c (m/min)		Cutting depth a_p (mm)	Feed f (mm/rev.)
		Approximate value	Total range		
Finishing	140-210	800	400-1200		
	220-240	600	300-800	0,31-1,0	0,20-0,60
	250-280	400	150-500		
Fine finishing	140-240	550	300-650		
	240-280	400	150-500	0,2-0,5	0,08-0,25

Cast iron with spheroidal graphite GGG					
Operation	Tensile strength R_m (N/mm²)	Cutting speed v_c (m/min)		Cutting depth a_p (mm)	Feed f (mm/rev.)
		Approximate value	Total range		
Finishing	400-600	400	250-600		
	700	350	150-400	0,30-1,0	0,20-0,40
Fine finishing	400-600	400	250-600		
	700	350	150-400	0,25-0,5	0,08-0,20

Cutting data recommendations for finish milling and fine milling with H 77

Grey cast iron and black malleable cast iron with multi-point milling cutters								
Operation	Hardness HB	Cutting speed v_c (m/min)		Cutting depth a_p (mm)	Feed f (mm/rev.)			
		Approximate value	Total range		Approximate value	Total range for setting angle K		
						45°	75°	80/90°
Finishing	190-210	700	200-900					
	220-240	500	200-700	0,5-1,0	0,12	0,10-0,20	0,10-0,15	0,08-0,15
	250-280	400	200-500					
Fine finishing	190-210	700	200-900					
	220-240	500	200-700	0,1-0,5	0,10	0,08-0,15	0,08-0,15	0,05-0,12
	250-280	400	200-500					

Cutting data recommendations for hard turning with H 77

Hardened steel			
Hardness HB	Cutting speed v_c (m/min)		Approximate values for chip thickness h (mm)
	Approximate value	Total range	
48	250	60-300	≤ 0,18
52	200	50-220	≤ 0,16
56	180	40-200	≤ 0,14
60	150	30-180	≤ 0,12
64	100	30-140	≤ 0,10

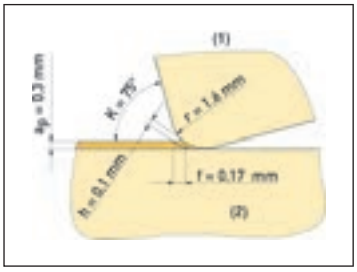
Determination of the feed when turning hardened steel

Cutting depth a_p (mm)	Corner radius of the indexable insert r_e (mm)		
	0,4	0,8	1,2
0,1	1,5	2,1	2,5
0,2	1,15	1,6	1,8
0,3	1,0	1,3	1,5
0,4	1,0	1,2	1,3
0,5	–	1,1	1,2

$f = h \cdot M$

Conversion factor M for inserts with corner radius r_{ea}

Factor M

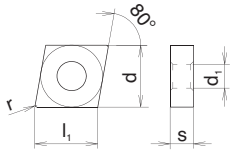


Typical contact ratios for hard turning
(1) = Indexable insert
(2) = Workpiece

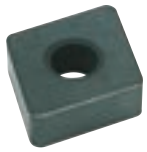
18638 Ceramic indexable inserts CNGA

64 HRC | GG(G)

Type
Rhombic, negative 0°, 80° point angle.
Quality
Mixed ceramic AL_2O_3 - TiCN (H 77).



18638

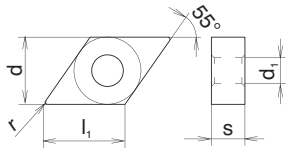


ISO designation	l_1 mm	s mm	r mm	d mm	d_1 mm	HK 18638 ...
CNGA 120408 T02020	12,9	4,76	0,8	12,7	5,16	301
CNGA 120412 T02020	12,9	4,76	1,2	12,7	5,16	302

18640 Ceramic indexable inserts DNGA

64 HRC | GG(G)

Type
Rhombic, negative 0°, 55° point angle.
Quality
Mixed ceramic AL_2O_3 - TiCN (H 77).



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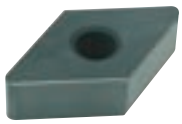
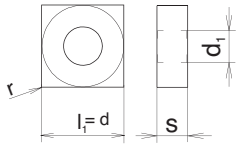


ISO designation	l_1 mm	s mm	r mm	d mm	d_1 mm	HK 18640 ...
DNGA 150608 T02020	15,5	7,94	0,8	12,7	5,16	101
DNGA 150612 T02020	15,5	7,94	1,2	12,7	5,16	102

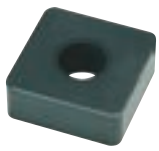
18642 Ceramic indexable inserts SNGA

64 HRC | GG(G)

Type
Square, negative 0°, 90° point angle.
Quality
Mixed ceramic AL_2O_3 - TiCN (H 77).



18642

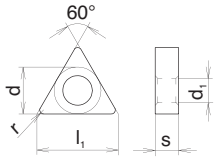


ISO designation	l_1 mm	s mm	r mm	d mm	d_1 mm	HK 18642 ...
SNGA 120408 T02020	12,7	4,76	0,8	12,7	5,16	201
SNGA 120412 T02020	12,7	4,76	1,2	12,7	5,16	202

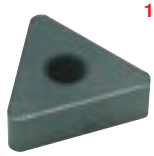
18644 Ceramic indexable inserts TNGA

64 HRC | GG(G)

Type
Triangular, negative 0°, 60° point angle.
Quality
Mixed ceramic AL_2O_3 - TiCN (H 77).



18644

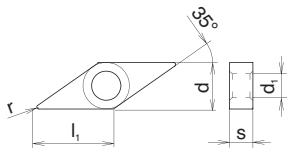


ISO designation	l_1 mm	s mm	r mm	d mm	d_1 mm	HK 18644 ...
TNGA 160408 T02020	22	4,76	0,8	12,7	3,81	101
TNGA 160412 T02020	22	4,76	1,2	12,7	3,81	102

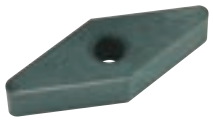
18646 Ceramic indexable inserts VNGA

64 HRC | GG(G)

Type
Rhombic, negative 0°, 35° point angle.
Quality
Mixed ceramic AL_2O_3 - TiCN (H 77).



18646



ISO designation	l_1 mm	s mm	r mm	d mm	d_1 mm	HK 18646 ...
VNGA 160404 T02020	16,5	4,76	0,4	9,52	3,81	101
VNGA 160408 T02020	16,5	4,76	0,8	9,52	3,81	102

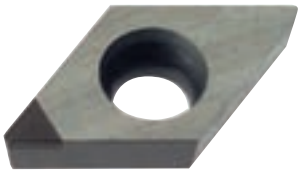
Info — 18650 - 18659 ISO indexable inserts CBN

ATORN®

Type
- Carbide tip with soldered CBN insert
- Cost savings, grinding machining is dispensed with
- **F = sharp edge:** For fine finishing with continuous cut
- **T = chamfered:** For interrupted cut

Quality
- **ABC 10** (ISO K01-K25, S01-S15)
  For Grey cast iron (GG 25), superalloys, sintered steels.
- **ABC 25** (ISO K05-K20, S05-S25, H01-H25)
  For hard turning of 54-62 HRC (dry machining).

65 HRC | GG(G)



Cutting data recommendations:

ISO	Material	Vc m/min.	Feed f mm/rev.
H	hardened steel	100 - 220	0,8 - 0,20
S	High-temperature alloys	200 - 500	0,08 - 0,15
K	Grey cast iron, particularly hard and abrasion-resistant types	300 - 2.500	0,10 - 0,50

18650 CBN indexable inserts CCGW

65 HRC | GG(G)

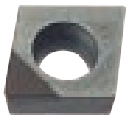
ATORN®

Type
- Positive 7°
- 80° point angle
- Cutting edge length m = 2,5 - 3,0 mm depending on the edge radius

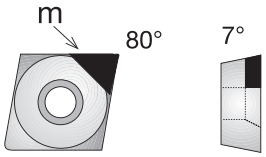
18650 301-305 + 501-505
Type
F = sharp edge.

18650 401-405 + 601-605
Type
T = chamfered 20° x 0,15 mm.

18650



ISO designation	ABC10/F 18650 ...	ABC10/T 18650 ...	ABC25/F 18650 ...	ABC25/T 18650 ...
CCGW 060202	301	401	501	601
CCGW 060204	302	402	502	602
CCGW 09T304	303	403	503	603
CCGW 09T308	304	404	504	604
CCGW 120404	305	405	505	605



18651 CBN indexable inserts CNGA

65 HRC | GG(G)

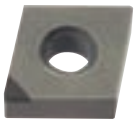
ATORN®

Type
- Negative 0°
- 80° point angle
- Cutting edge length m = 2,5 - 3,0 mm depending on the edge radius

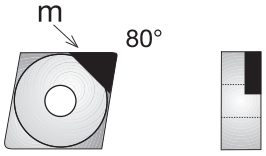
18651 301-302 + 501-502
Type
F = sharp edge.

18651 401-402 + 601-602
Type
T = chamfered 20° x 0,15 mm.

18651



ISO designation	ABC10/F 18651 ...	ABC10/T 18651 ...	ABC25/F 18651 ...	ABC25/T 18651 ...
CNGA 120404	301	401	501	601
CNGA 120408	302	402	502	602



18652 CBN indexable inserts DCGW

65 HRC | GG(G)

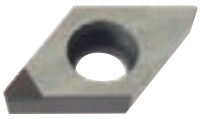
ATORN®

Type
- Positive 7°
- 55° point angle
- With sintered-in chip deflection step
- Cutting edge length m = 2,5 - 3,0 mm depending on the edge radius

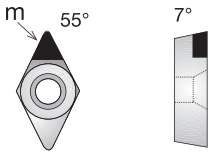
18652 301-305 + 501-505
Type
F = sharp edge.

18652 401-405 + 601-605
Type
T = chamfered 20° x 0,15 mm.

18652



ISO designation	ABC10/F 18652 ...	ABC10/T 18652 ...	ABC25/F 18652 ...	ABC25/T 18652 ...
DCGW 070202	301	401	501	601
DCGW 070204	302	402	502	602
DCGW 11T302	303	403	503	603
DCGW 11T304	304	404	504	604
DCGW 11T308	305	405	505	605



18653 CBN indexable inserts DNGA

65 HRC | GG(G)

ATORN®

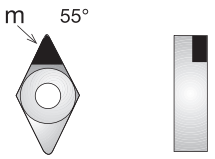
Type
- Negative 0°
- 55° point angle
- Cutting edge length m = 3,0 - 3,5 mm depending on the edge radius

18653 301-302 + 501-502
Type
F = sharp edge.

18653 401-402 + 601-602
Type
T = chamfered 20° x 0,15 mm.

18653

ISO designation	ABC10/F 18653 ...	ABC10/T 18653 ...	ABC25/F 18653 ...	ABC25/T 18653 ...
DNGA 150604	301	401	501	601
DNGA 150608	302	402	502	602



18657 CBN indexable inserts TNGA

65 HRC | GG(G)

ATORN®

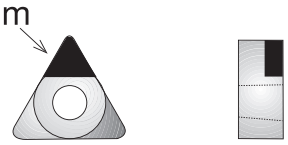
Type
- Negative 0°
- 60° point angle
- Cutting edge length m = 3,0 - 3,5 mm depending on the edge radius

18657 301-302 + 501-502
Type
F = sharp edge.

18657 401-402 + 601-602
Type
T = chamfered 20° x 0,15 mm.

18657

ISO designation	ABC10/F 18657 ...	ABC10/T 18657 ...	ABC25/F 18657 ...	ABC25/T 18657 ...
TNGA 160404	301	401	501	601
TNGA 160408	302	402	502	602



18659 CBN indexable inserts VNGA

65 HRC | GG(G)

ATORN®

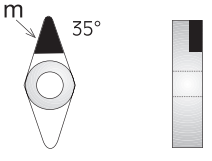
Type
- Negative 0°
- 35° point angle
- Cutting edge length m = 4,4 - 5,0 mm depending on the edge radius

18659 301-302 + 501-502
Type
F = sharp edge.

18659 401-402 + 601-602
Type
T = chamfered 20° x 0,15 mm.

18659

ISO designation	ABC10/F 18659 ...	ABC10/T 18659 ...	ABC25/F 18659 ...	ABC25/T 18659 ...
VNGA 160404	301	401	501	601
VNGA 160408	302	402	502	602



Info — 18660 - 18663 ISO reversible cutting inserts PKD (polycrystalline diamond)

ATORN®

- Carbide tip with soldered PKD insert
- **Quality ADC** (ISO N05-N40)

Implementation: Fine finishing and finishing of all NF metals and NF materials with low proportions of abrasive fillers.

ALU

Cutting data recommendations:

ISO	Material	Vc m/min.	Feed f mm/rev.
N	Aluminium alloys under 3% Si	200 - 2.500	0,05 - 0,40
	Aluminium alloys to 12% Si	150 - 2.000	0,05 - 0,40
	Aluminium alloys to approx. 21% Si	100 - 1.800	0,05 - 0,40
	Brass-magnesium-zinc alloys	200 - 2.000	0,05 - 0,40
	Copper-bronze-lead alloys	200 - 1.500	0,05 - 0,40
	Thermoset plastics and thermoplastics with and without fillers, e.g.: CFRP, GRP and epoxy resin	100 - 1.000	0,05 - 0,20

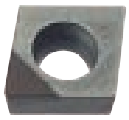
18660 PKD indexable inserts CCGW

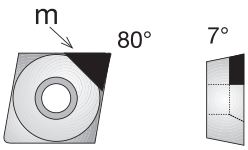
ALU

ATORN®

Type
- Sharp-edged
- Positive 7°
- 80° point angle
- Cutting edge length m = 3,2 - 4,3 mm.

18660





ISO designation	ADC/F 18660 ...
CCGW 060202	201
CCGW 060204	202
CCGW 09T304	204
CCGW 09T308	205
CCGW 120404	206

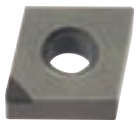
18661 PKD indexable inserts CNGA

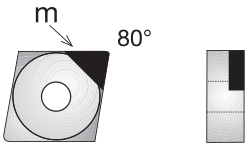
ALU

ATORN®

Type
- Sharp-edged
- Negative 0°
- 80° point angle
- Cutting edge length m = 6,0 mm

18661





ISO designation	ADC/F 18661 ...
CNGA 120404	201
CNGA 120408	202

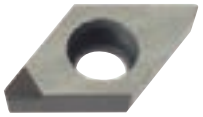
18662 PKD indexable inserts DCGW

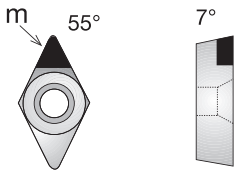
ALU

ATORN®

Type
- Sharp-edged
- Positive 7°
- 55° point angle
- Cutting edge length m = 3,4 - 4,7 mm.

18662





ISO designation	ADC/F 18662 ...
DCGW 070202	201
DCGW 070204	202
DCGW 11T302	203
DCGW 11T304	204
DCGW 11T308	205

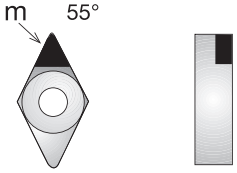
18663 PKD indexable inserts DNGA

ALU

ATORN®

Type
- Sharp-edged
- Negative 0°
- 55° point angle
- Cutting edge length m = 6,0 mm

18663



ISO designation	ADC/F 18663 ...
DNGA 150604	201
DNGA 150608	202

Info — 18820 - 18829 -UNISIX- lathe tool product line type PM

KOMET®

The tried-and-proven turning tool product range for conventional centre turning machines.
For use with KOMET-UNISIX indexable inserts with a total of 6 cutting edges.
Mounting by means of a upside used special clamping screw.

18820 Offset Side-Turning Tool holder PM

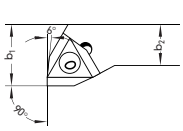
KOMET®

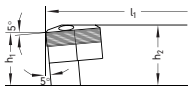
Type
Right-hand.

Note:
When using left-hand indexable inserts the tool holder can be used for face turning.

18820

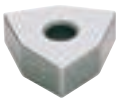
Type	b_2 x h_2 x l_1 mm	for Unisix insert	h_1 mm	b_1 mm	18820 ...
PM 1/16	16 x 17,7 x 140	P1	15,7	19,8	201
PM 1	16 x 21,7 x 140	P1	19,7	19,8	202
PM 2	20 x 26,1 x 165	P2	23,7	24,0	203





18822 Spare Shims

18822



Type	for tool holder	18822 ...
16	PM 1/16	101
1	PM 1	102
2	PM 2	103

18823 Spare clamping screws

18823

Size	for tool holder		18823 ...
M 4,5 x 14,5	PM 1/16	10 pcs.	101
M 4,5 x 18,7	PM 1	10 pcs.	102
M 4,5 x 22,5	PM 2	10 pcs.	103

18828 - 18829 Carbide Indexable Inserts KOMET-UNISIX

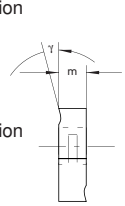
KOMET®

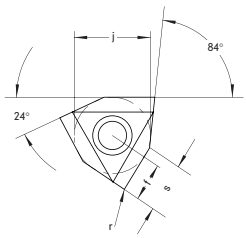
Use
In tool holder cat. no. 18820. Designed as hexagonal indexable insert (84° point angle) with a total of 6 cutting edges. Indexable inserts with chip deflection steps have a positive rake angle of 18°, tool is mounted in the tool holder at an angle of 5° which means that a positive rake angle of 13° is obtained. (For long-chipping materials: steel, cast steel, etc.) One tool holder size can be used with all indexable inserts.

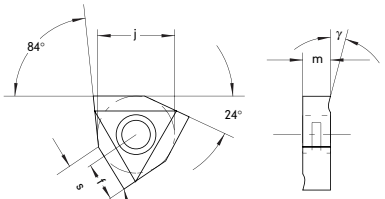
18828
With chip deflection step, right-hand positive.

18829
With chip deflection step, left-hand positive.

18828







18829

18829

Insert size	j mm	s mm	m mm	f mm	g	r
P1/W04 42…	12,0	7,5	4,5	6,642	18°	0,2
P2/W04 50…	15,0	9,5	5,0	8,285	18°	0,4

Clockwise		Carbide quality P 10	P M K Carbide quality P 25	P M Carbide quality K 10	N P M K Carbide quality K 10
Insert size		18828 ...	18828 ...	18828 ...	18828 ...
P1/W04 42 480.02	10 pcs.	118	120	122	123
P2/W04 50 480.04	10 pcs.	126	128	130	

Counterclockwise		P M K Carbide quality P 25	P M Carbide quality P 40	N P M K Carbide quality K 10
Insert size		18829 ...	18829 ...	18829 ...
P1/W04 42 180.02	10 pcs.	120	122	123
P2/W04 50 180.04	10 pcs.		130	

= Sales are restricted to the packaging units mentioned in the catalogue. Purchase orders must be in units.

Info

18835 - 18841 Lathe tool holders product line

KOMET

The state-of-the-art high-performance tool product range. With regular exchangeable tool supports, hardened, for compact, position-defined three-sided position of the indexable insert. Mainly used in conventional turning machines.
All clamping turning tools include tool supports and Torx clamping screw. Wrench and indexable insert not included.

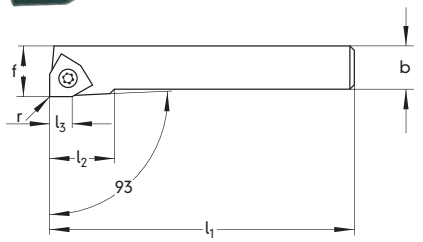
18835 Clamping Turning Tools

KOMET

Type
Setting angle 93°, right-hand.
Use
For Unisix indexable inserts, positive.

Note:
Spare clamping screw see cat. no. 18840.

18835



Right-hand

Designation	l_1 mm	l_2 mm	l_3 mm	f mm	r mm	b mm	For indexable inserts	Spare Clamping screw	18835	...
SWLCR 1010 E05	70	15	5,3	12	0,2	10	W29.. 24..	N00 57511/T8		103
SWLCR 1212 F05	80	18	5,3	16	0,2	12	W29.. 24..	N00 57511/T8		104
SWLCR 1616 H06	100	20	6,6	20	0,2	16	W29.. 34..	N00 57521/T10		105
SWLCR 2020 K07	125	24	7,9	25	0,2	20	W29.. 42..	N00 57531/T15		106

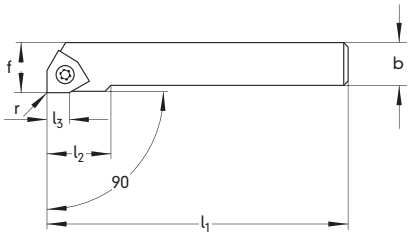
18836 Clamping Turning Tools

KOMET

Type
Setting angle 90°, right-hand.
Use
For Unisix indexable inserts, positive.

Note:
Spare clamping screw see cat. no. 18840.

18836



Right-hand

Designation	l_1 mm	l_2 mm	l_3 mm	f mm	r mm	b mm	For indexable inserts	Spare Clamping screw	18836	...
SWGCR 1010 E05	70	15	5,3	12	0,2	10	W29.. 24..	N00 57511/T8		103
SWGCR 1212 F05	80	19	5,3	16	0,2	12	W29.. 24..	N00 57511/T8		104
SWGCR 1616 H06	100	20	6,6	20	0,2	16	W29.. 34..	N00 57521/T10		105
SWGCR 2020 K07	125	25	7,9	25	0,2	20	W29.. 42..	N00 57531/T15		106

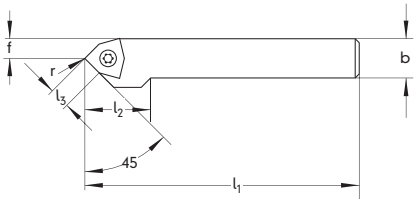
18838 Clamping Turning Tools

KOMET

Type
Setting angle 45°, right-hand.
Use
For Unisix indexable inserts, positive.

Note:
Spare clamping screw see cat. no. 18840.

18838



Right-hand

Designation	l_1 mm	l_2 mm	l_3 mm	f mm	r mm	b mm	For indexable inserts	Spare Clamping screw	18838	...
SWDCR 1010 E05	70	17	5,3	5	0,2	10	W29.. 24..	N00 57511/T8		103
SWDCR 1212 F05	80	18	5,3	6	0,2	12	W29.. 24..	N00 57511/T8		104
SWDCR 1616 H06	100	23	6,6	8	0,2	16	W29.. 34..	N00 57521/T10		105
SWDCR 2020 K07	125	10	7,9	10	0,2	20	W29.. 42..	N00 57531/T15		106

18840 Spare clamping screws

KOMET

Use
For KOMET clamping turning tool
cat. no. 18835 - 18838.

18840

Designation	Size		18840	...
N00 57511	M 2,5 x 7,2	10 pcs.		101
N00 57521	M 3,5 x 7,3	10 pcs.		102
N00 57531	M 4,5 x 9	10 pcs.		103

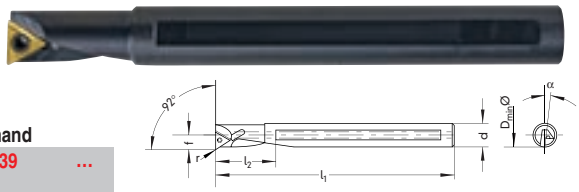
18839 Clamping Turning Tools (Boring Bars)

KOMET

Type
Setting angle 92°, clockwise,
with inter**nalcoolant feed.**
Use
For Unisix indexable inserts, positive.

Note:
Spare clamping screw see cat. no. 18841.

18839



Right-hand

Designation	Dmin mm	d mm	l_1 mm	l_2 mm	f mm	r mm	a	For indexable insert	Spare-Clamping screw	18839	...
UJ 0410 R	7,9	8	85	15	3,95	0,2	8° 30'	W30.. 04..	N00 56021/T6		102
UJ 0420 R	9,9	10	95	20	4,95	0,2	5° 30'	W30.. 04..	N00 56021/T6		103
UJ 0430 R	11,9	12	110	25	5,95	0,2	7° 30'	W30.. 14..	N00 56101/T8		104
UJ 0450 R	15,9	16	120	30	7,95	0,2	5°	W30.. 14..	N00 56101/T8		105

18841 Spare clamping screws

18939.

KOMET

Use
For KOMET clamping turning tool (boring bars) cat. no.

18841

Designation	Size		18841	...
N00 56021	M 2 x 3,6	10 pcs.		101
N00 56101	M 2,6 x 5,1	10 pcs.		102

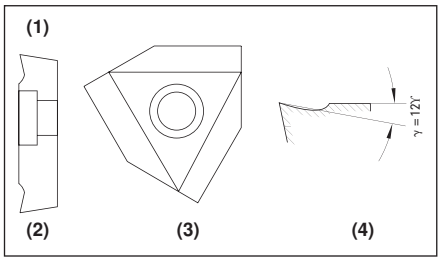
Info 18842 - 18845 Indexable inserts Unisix

KOMET

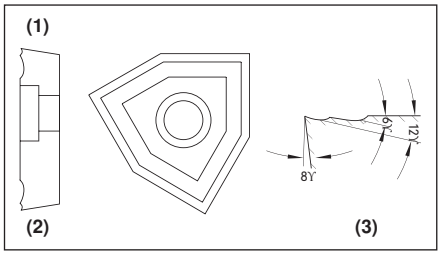
Made of carbide, regular type.
High-performance indexable inserts with 3 positive ground chip forming steps. 8° clearance angle, 12° rake angle (a) and 84° point angle (at P 800). Countersink mounting bolt. Free chip flow.

Carbide types:

P 25 M	uncoated, for machining steel
K 10	uncoated, for grey cast iron and non-ferrous metals
BK6425	TiN-coated for steel machining
BK7615	Coated, for grey cast iron and hardened steels



(1) P-tool,
(2) regular,
(3) right-hand cut,
(4) Chip deflection step.



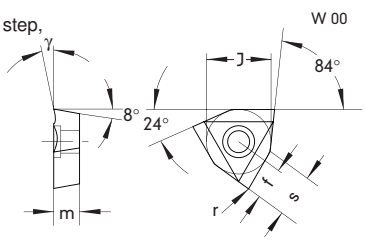
(1) P-tool,
(2) regular,
(3) Chip deflection step.

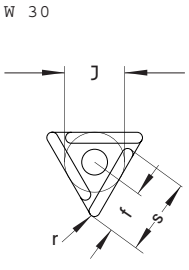
18842 Indexable inserts Unisix

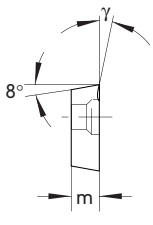
KOMET

Type
With ground chip deflection step,
right-hand.

18842







W00

W30

N P M K

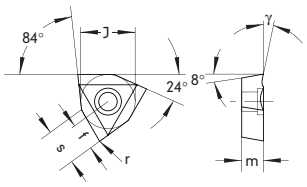
Carbide type							Uncoated P 25 M		K 10		Coated BK6425	
Insert size	J mm	m mm	s mm	f mm	r mm		18842	...	18842	...	18842	...
W00 34420.02	10,0	3,0	6,6	5,531	0,2	10 pcs.		113		114		116
W00 42420.02	12,0	3,8	7,9	6,642	0,2	10 pcs.		123		124		126
W00 50420.04	15,0	4,3	9,9	8,285	0,4	10 pcs.		133		134		136
W30 04420.03	4,0	1,8	3,5	3,245	0,3	10 pcs.		143		144		146
W30 14420.04	5,6	2,5	4,5	4,557	0,4	10 pcs.		153		154		156

18843 Indexable inserts Unisix

KOMET

Type
With ground chip deflection step, **left-hand.**

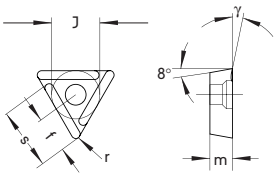
W 00



18843

W00

W 30



W30

N P M K

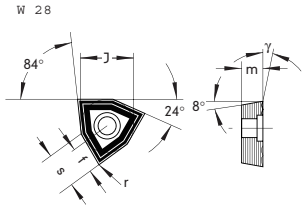
Carbide type							Uncoated P 25 M		K 10		Coated BK6425	
Insert size	J mm	m mm	s mm	f mm	r mm		18843	...	18843	...	18843	...
W00 34120.02	10,0	3,0	6,6	5,531	0,2	10 pcs.		113		114		116
W00 42120.02	12,0	3,8	7,9	6,642	0,2	10 pcs.		123		124		126
W00 50120.04	15,0	4,3	9,9	8,285	0,4	10 pcs.		133		134		136
W30 04120.03	4,0	1,8	3,5	3,245	0,3	10 pcs.		143		144		146
W30 14120.04	5,6	2,5	4,5	4,557	0,4	10 pcs.		153		154		156

18844 Indexable inserts Unisix

KOMET

Type
with positive sintered-in steps,
cutting edge rounded, standard type.

W 28



18844

W28

N P M K

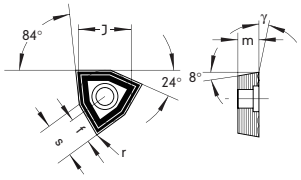
Carbide type							Uncoated P 25 M		K 10		Coated BK6425	
Insert size	J mm	m mm	s mm	f mm	r mm		18844	...	18844	...	18844	...
W28 34000.04	10,0	3,0	6,6	5,509	0,4	10 pcs.		113		114		116
W28 42000.04	12,0	3,8	7,9	6,619	0,4	10 pcs.				124		
W28 50000.04	15,0	4,3	9,9	8,285	0,4	10 pcs.		133		134		136

18845 Indexable inserts Unisix

KOMET

Type
With positive sintered-in step geometry, cutting edges chamfered and rounded, reinforced type.

W 29



18845

W29

Carbide type							Uncoated P 25 M		Coated BK6425		Coated BK7615	
Insert size	J mm	m mm	s mm	f mm	r mm		18845	...	18845	...	18845	...
W29 24010.04	8,0	3,8	5,3	4,398	0,4	10 pcs.		103		104		
W29 24010.04	8,0	3,8	5,3	4,398	0,4	10 pcs.						105
W29 34010.04	10,0	3,8	6,6	5,509	0,4	10 pcs.		113		114		
W29 34010.04	10,0	3,8	6,6	5,509	0,4	10 pcs.						115
W29 34010.08	10,0	3,8	6,6	5,465	0,8	10 pcs.		117		118		
W29 42010.04	12,0	4,8	7,9	6,619	0,4	10 pcs.		123		124		
W29 42010.08	12,0	4,8	7,9	6,575	0,8	10 pcs.		127		128		
W29 42010.08	12,0	4,8	7,9	6,575	0,8	10 pcs.						129

= Sales are restricted to the packaging units mentioned in the catalogue. Purchase orders must be in units.

Info — 18849 - 18854 Copying lathe tool product line JK

KOMET®

With accurately embedded profiling reversible cutting insert, precision-ground all round, matches tool holder profile on 2 sides. Guaranteed absolute stability of tool. High feed rates are possible. For external and internal profiling. All tool holders with TORX®-Plus clamping screw, without copying indexable insert and TORX® screwdriver.

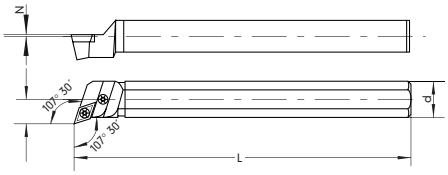
18849 Internal Profiling Tool holders JK

KOMET®

Type
Shape Z, 107° 30', right-hand.

Note:
Spare clamping screw see cat. no. 18850.

18849



Type	Dmin mm	d mm	L mm	f mm	For indexable insert	Spare clamping Screw	18849 ...
JK 55-10-Z-R	12	10	100	6,5	C1-551204L	S 2560-8 IP	101
JK 55-12-Z-R	16	12	125	9,0	C1-551204L	S 2560-8 IP	102
JK 55-16-Z-R	20	16	150	11,0	C1-551204L	S 2560-8 IP	103

18850 Spare Clamping Screws

Use
For KOMET copy turning tools program JK

18850

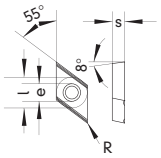
Designation		18850 ...
S 2560-8 IP	10 pcs.	201

18854 Profiling Indexable Inserts C1-55

KOMET®

Type
Left-hand. Point angle 55°, rake angle 12°, clearance angle 8°. Precision-ground all round, therefore high cost-effectiveness and long service life. Two embedded edges in tool holder matches tool holder profile throughout.

18854



N M K
Left-hand

Insert size	Carbide Type	l mm	s mm	R mm		18854 ...
C1-55 1204L	P25M	6,35	2,4	0,4	10 pcs.	102
C1-55 1204L	K10	6,35	2,4	0,4	10 pcs.	103
C1-55 1204L	BK/TiN	6,35	2,4	0,4	10 pcs.	104