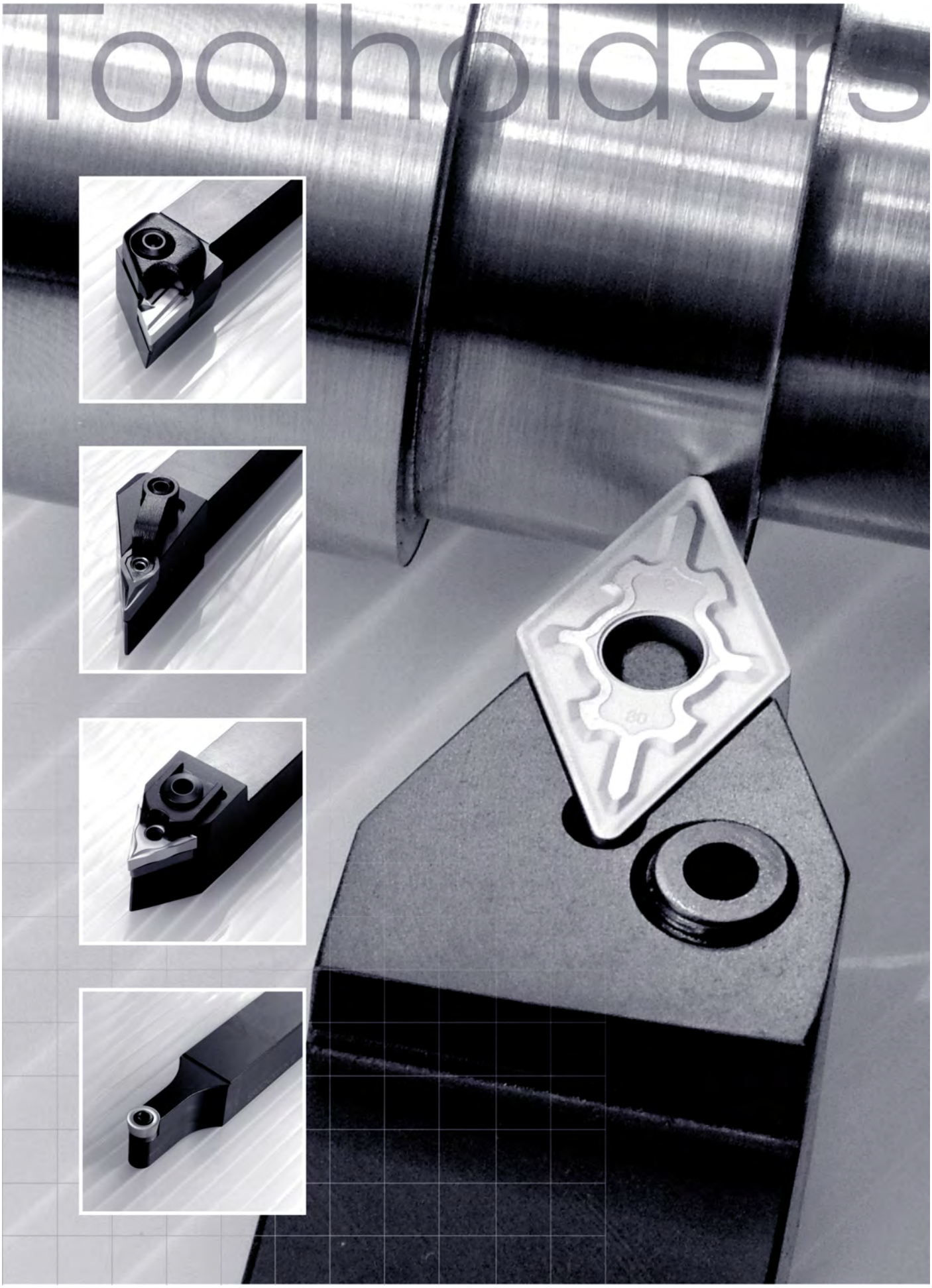
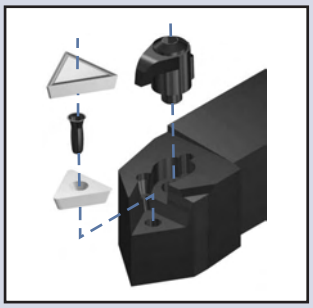
Toolholders

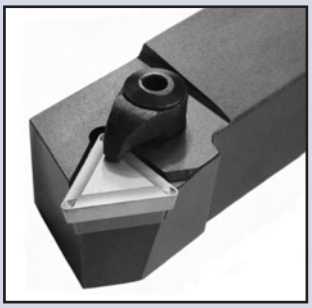


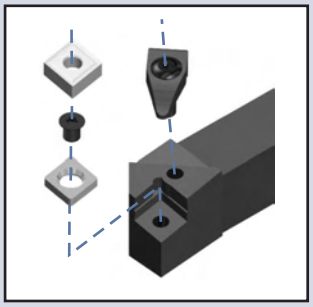
Toolholders



(C) Top clamp

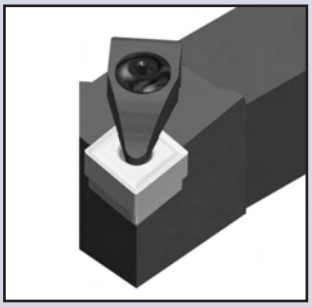
The classic positive insert clamping system is designed to hold flat positive inserts, both with additional or sintered chipbreaker.

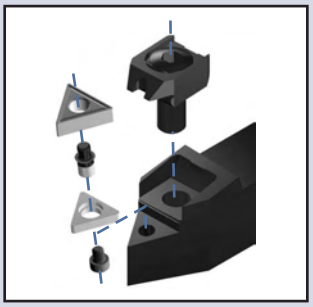




(D) Dimple lock

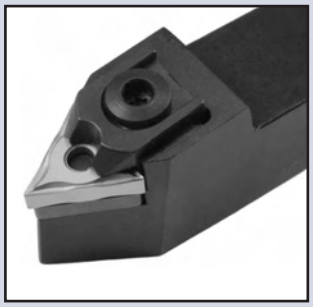
The "D" clamping system avoids insert movement during high feed or heavily interrupted machining, due to iys accurate indexing that holds the insert securely clamped.

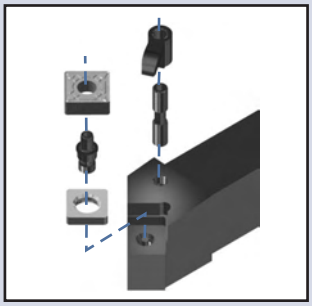




(M) Wedge clamp

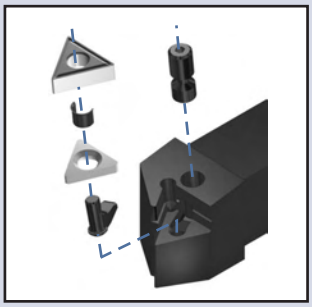
Negative inserts require good clamping force for heavy duty work, for this purpose we have designed our "M" system, one of the strongest and safest available.





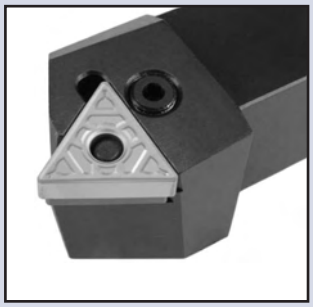
(M-K) Double lock

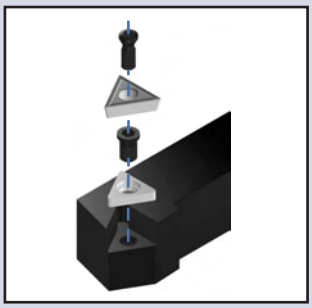
The double lock system offers good rigidity in negative inserts clamping, it is the first choice for center hole negative ceramic and cermet inserts.



(P) Lever lock

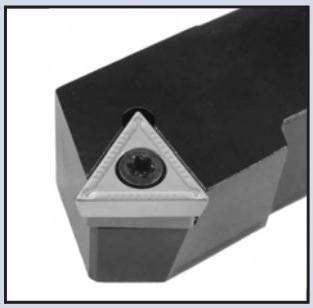
The classic lever lock system allows a wide range of applications, it is the first choice for general purpose turning toolholders.





(S) Center screw

Since the advent of the TORX screw it has been possible to hold with complete safety positive inserts with center hole. Our range covers all the screw fixing permutations.



P	C	L	N	R	25	25	M	12
1	2	3	4	5	6	7	8	9

1

C	D	M	P	S

2

80° C	55° D	75° E	55° K
R	S	T	35° V
80° W			

3

90° A	75° B	90° C
45° D	60° E	90° F
90° G	107°30' H	93° J
75° K	95° 95° L	63° N
117°30' Q	75° R	45° S
60° T	72°30' V	113° X
100° Z		

4

5° B	7° C	0° N	11° P

5

R	L	N

6

Shank height, mm.

H_1 H

7

Shank width, mm.

B

8

Tool length, mm.

L

D	60	P	170
E	70	R	200
F	80	S	250
H	100	T	300
K	125	U	350
L	140	V	400
M	150	X	Special

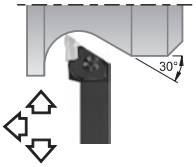
9

Cutting Edge length, mm.

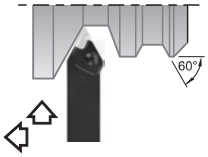
C,D,E,V L K L R L S L

T L W L X L Z L

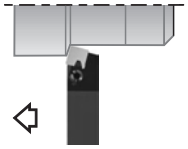
Top clamp toolholders

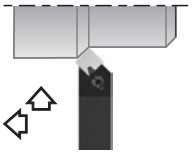
CKJN 93°


Page B.06 KNUX 1604..

CKNN 63°


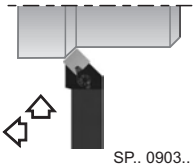
Page B.07 KNUX 1604..

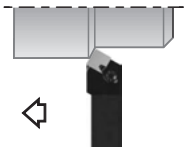
CSBP 75°

Page B.08 SP.. 0903.. SP.. 1203.. SP.. 1904..

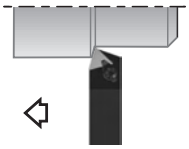
CSDP 45°

Page B.09 SP.. 0903.. SP.. 1203..

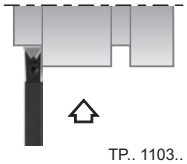
CSKP 75°

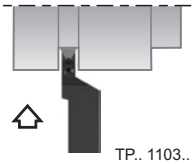
Page B.10 SP.. 0903.. SP.. 1203.. SP.. 1904..

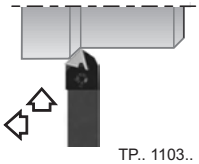
CSSP 45°

Page B.11 SP.. 0903.. SP.. 1203.. SP.. 1904..

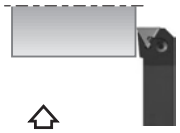
CSTP 60°

Page B.12 SP.. 0903.. SP.. 1203..

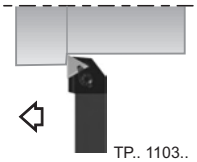
CTBP 75°

Page B.13 TP.. 1103.. TP.. 1603..

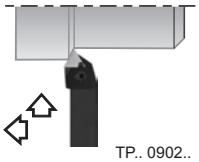
CTCPN 90°

Page B.14 TP.. 1103.. TP.. 1603.. TP.. 2204..

CTCP 90°

Page B.15 TP.. 1103.. TP.. 1603.. TP.. 2204..

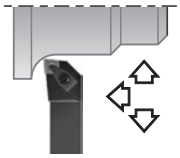
CTDP 45°

Page B.16 TP.. 1103.. TP.. 1603.. TP.. 2204..

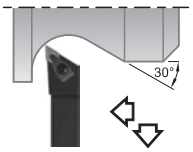
CTFP 90°

Page B.17 TP.. 1103.. TP.. 1603.. TP.. 2204..

CTGP 90°

Page B.18 TP.. 1103.. TP.. 1603.. TP.. 2204..

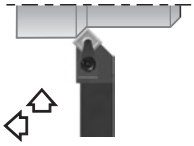
CTTP 60°

Page B.19 TP.. 0902.. TP.. 1103.. TP.. 1603..

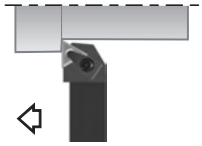
Dimple lock toolholders

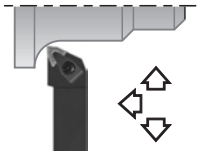
DCLN 95°

Page B.21 CN.. 1204.. CN.. 1906..

DDJN 93°


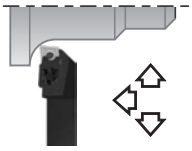
Page B.22 DN.. 1506..

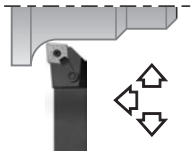
DSSN 45°

Page B.23 SNM.. 1204.. SNM.. 1906..

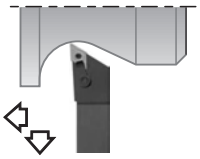
DTGN 90°

Page B.24 TNM.. 1604.. TNM.. 2204..

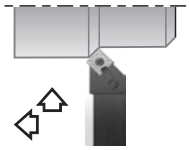
DWLN 95°

Page B.25 WNMG 0804..

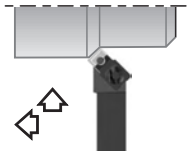
Wedge clamp / Double lock toolholders

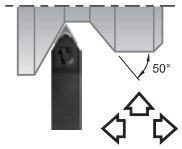
MCLN 95°

Page B.26 CN.. 1204.. CN.. 1906..

MCLN-K 95°

Page B.27 CN.. 1204.. CN.. 1906..

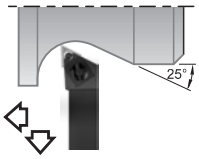
MDJN-K 93°

Page B.28 DN.. 1506..

MSSN-K 45°

Page B.29 SNM.. 1204..

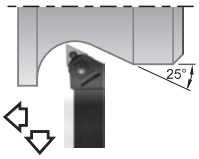
MSSN 45°

Page B.30 SNM.. 1204.. SNM.. 1906..

MTEN 60°


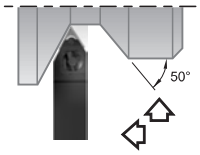
Page B.31 TNM.. 1604.. TNM.. 2204..

MTJN 93°


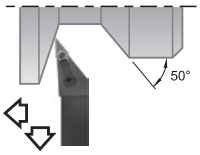
Page B.32 TNM.. 1604.. TNM.. 2204..

MTJN-K 93°


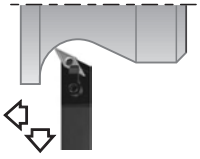
Page B.33 TNM.. 1604.. TNM.. 2204..

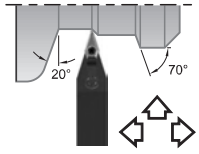
MTNN 63°


Page B.34 TNM.. 1604.. TNM.. 2204..

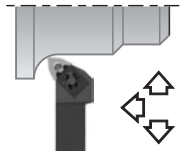
MVJN-K 93°


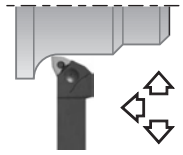
Page B.35 VN.. 1604..

MVQN-K 117° 30'

Page B.36 VN.. 1604..

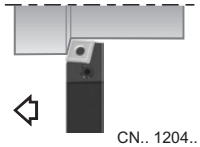
MVVN-K 72° 30'


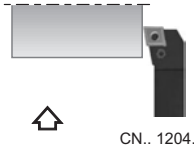
Page B.37 VN.. 1604..

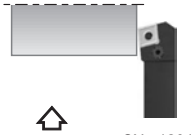
MWLN 95°

Page B.38 WNMG 0604.. WNMG 0804..

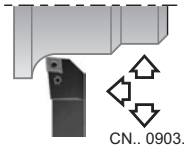
MWLN-K 95°

Page B.39 WNM.. 0804..

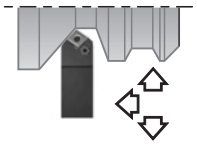
Lever lock toolholders

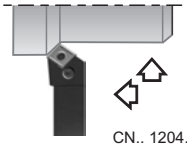
PCBN 75°

CN.. 1204..
CN.. 1606..
CN.. 1906..
Page B.40

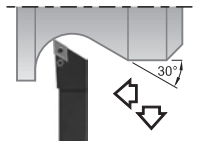
PCFN 90°

CN.. 1204..
CN.. 1606..
CN.. 1906..
Page B.41

PCKN 75°

CN.. 1204..
CN.. 1906..
CN.. 2509..
Page B.42

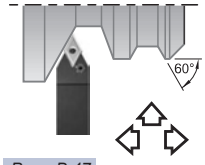
PCLN 95°

CN.. 0903..
...
CN.. 2509..
Page B.43

PCMN 50°

CN.. 1204..
CN.. 1906..
Page B.44

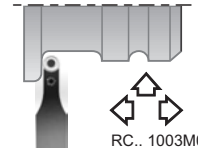
PCSN 45°

CN.. 1204..
CN.. 1606..
CN.. 1906..
Page B.45

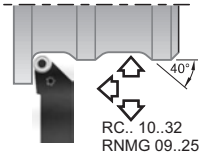
PDJN 93°


DN.. 1104..
DN.. 1506..
Page B.46

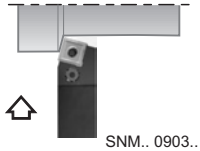
PDNN 63°


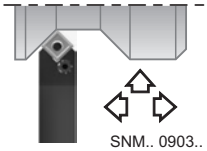
DN.. 1506..
Page B.47

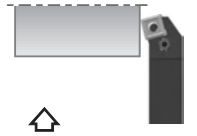
PRDC

RC.. 1003M0
...
RC.. 3209M0
Page B.48

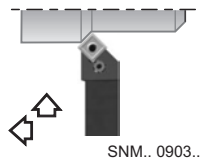
PRSC / PRSN


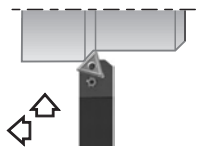
RC.. 10..32
RNMG 09..25
Page B.49 / B.50

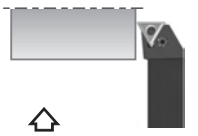
PSBN 75°

SNM.. 0903..
...
SNM.. 2507..
Page B.51

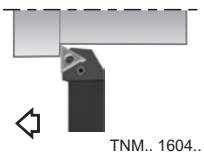
PSDN 45°

SNM.. 0903..
...
SNM 2507..
Page B.52

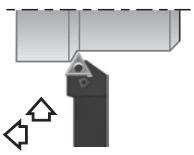
PSKN 75°

SNM.. 0903..
...
SNM.. 2507..
Page B.53

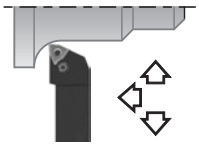
PSSN 45°

SNM.. 0903..
...
SNM.. 2507..
Page B.54

PTDN 45°

TNM.. 2204..
Page B.55

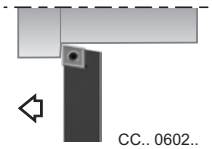
PTFN 90°

TNM.. 1604..
TNM.. 2204..
TNM.. 2706..
Page B.56

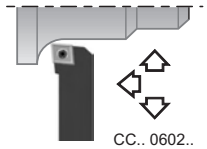
PTGN 90°

TNM.. 1604..
...
TNM.. 3307..
Page B.57

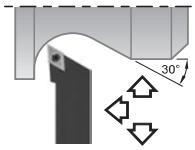
PTTN 60°

TNM.. 1604..
TNM.. 2204..
Page B.58

PWLN 95°

WNM.. 0604..
WNM.. 0804..
Page B.59

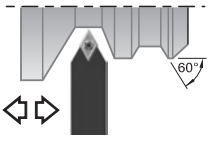
Center screw toolholders

SCAC 90°

CC.. 0602..
CC.. 09T3..
CC.. 1204..
Page B.60

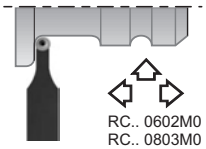
SCLC 95°

CC.. 0602..
CC.. 09T3..
CC.. 1204..
Page B.61

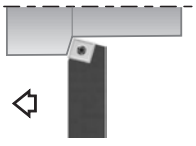
SDJC 93°


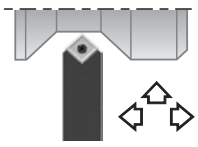
DC.. 0702..
DC.. 11T3..
Page B.62

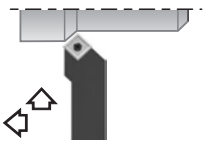
SDNC 62°30'


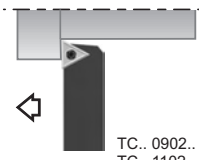
DC.. 0702..
DC.. 11T3..
Page B.63

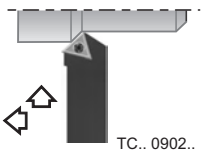
SRDC

RC.. 0602M0
RC.. 0803M0
RC.. 10T3M0
RC.. 1204M0
Page B.64

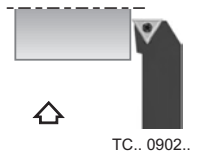
SSBC 75°

SC.. 09T3..
SC.. 1204..
Page B.65

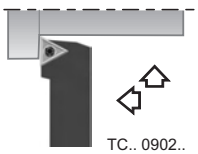
SSDC 45°

SC.. 09T3..
SC.. 1204..
Page B.66

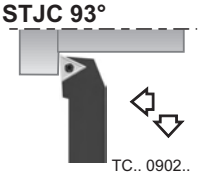
SSSC 45°

SC.. 09T3..
SC.. 1204..
Page B.67

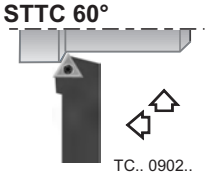
STAC 90°

TC.. 0902..
TC.. 1102..
TC.. 16T3..
Page B.68

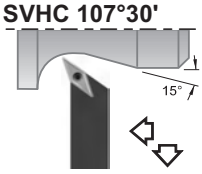
STDC 45°

TC.. 0902..
TC.. 1102..
TC.. 16T3..
Page B.69

STFC 90°

TC.. 0902..
TC.. 1102..
TC.. 16T3..
Page B.70

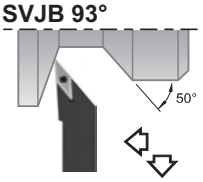
STGC 90°

TC.. 0902..
TC.. 1102..
TC.. 16T3..
Page B.71

STJC 93°

TC.. 0902..
TC.. 1102..
TC.. 16T3..
Page B.72

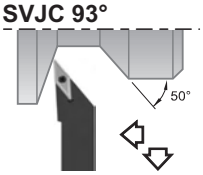
STTC 60°

TC.. 0902..
TC.. 1102..
TC.. 16T3..
Page B.73

SVHC 107°30'


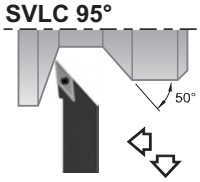
VC.. 1604..
Page B.74

SVJB 93°


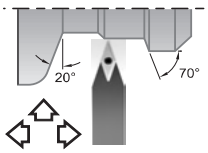
VBMT 1604..
Page B.75

SVJC 93°


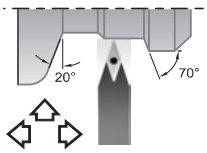
VC.. 1103..
VC.. 1604..
Page B.76

SVLC 95°


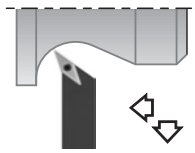
VCMT 1303..
Page B.77

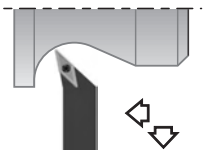
SVVB 72°30'


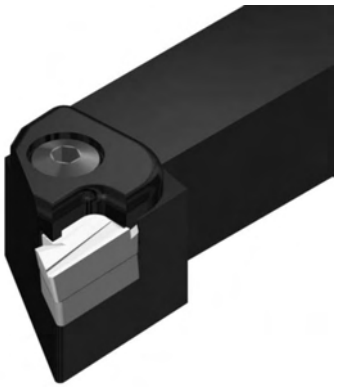
VBMT 1604..
Page B.78

SVVC 72°30'


VC.. 1103..
VC.. 1604..
Page B.79

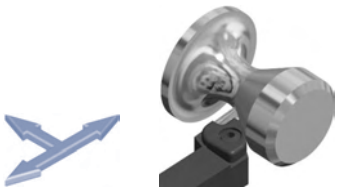
SVXC 113°

VCMT 1303..
Page B.80

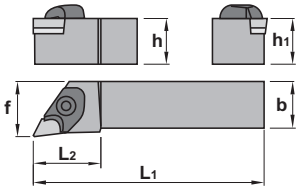
SVZC 100°

VC.. 1604..
Page B.81



Characteristics:
Toolholder for turning and profiling operations equipped with KNUX super-positive insert that generates low cutting forces. The top clamp ensures good stability and good rigidity.
Applications:
Profiling toolholder for semi-finishing and finishing operations.

Axial: 0º
Radial: -6º

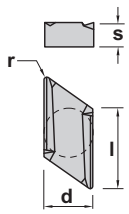




CKJN 93°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	CKJN R/L 2020 K16	20	20	125	34	30	KNUX 1604..	0,390
	CKJN R/L 2525 M16	25	25	150	34	32	KNUX 1604..	0,700
	CKJN R/L 3225 P16	32	25	170	34	32	KNUX 1604..	1,000
	CKJN R/L 3232 P16	32	32	170	34	40	KNUX 1604..	1,250
	CKJN R/L 4025 R16	40	25	200	34	32	KNUX 1604..	1,500

Ref.								
	CKJN R 2020 K16	2316	1614	5004	4295	4203	3226	4012
	CKJN R 2525 M16	2316	1614	5004	4295	4204	3226	4012
	CKJN R 3225 P16	2316	1614	5004	4295	4204	3226	4012
	CKJN R 3232 P16	2316	1614	5004	4295	4204	3226	4012
	CKJN R 4025 R16	2316	1614	5004	4295	4204	3226	4012
	CKJN L 2020 K16	2326	1614	5004	4295	4203	3236	4012
	CKJN L 2525 M16	2326	1614	5004	4295	4204	3236	4012
	CKJN L 3225 P16	2326	1614	5004	4295	4204	3236	4012
	CKJN L 3232 P16	2326	1614	5004	4295	4204	3236	4012
	CKJN L 4025 R16	2326	1614	5004	4295	4204	3236	4012



	KNUX	l	s	d
Ref.	**KNUX 1604..**	16,00	4,76	9,52

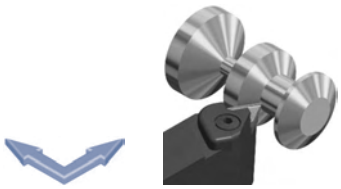
Negative KNUX insert.

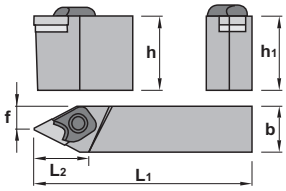
For more information see page: A.25

KNUX						
						

Characteristics:
Toolholder for turning and profiling operations equipped with KNUX super-positive insert that generates low cutting forces. The top clamp ensures good stability and good rigidity.
Applications:
Profiling toolholder for semi-finishing and finishing operations.

Axial: -2.75º
Radial: -5.25º

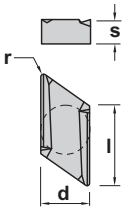




CKNN 63°

		h=h1	b	L1	L2	f	Insert size	Kg
Ref.	CKNN R/L 4025 R16	40	25	200	37	14,3	KNUX 1604..	1,500
	CKNN R/L 5032 S16	50	32	250	37	16,8	KNUX 1604..	3,000

Ref.	CKNN R 4025 R16	2316	1614	5004	4295	4204	3226	4012
	CKNN R 5032 S16	2316	1614	5004	4295	4204	3226	4012
	CKNN L 4025 R16	2326	1614	5004	4295	4204	3236	4012
	CKNN L 5032 S16	2326	1614	5004	4295	4204	3236	4012



	KNUX	l	s	d
Ref.	KNUX 1604..	16,00	4,76	9,52

Negative KNUX insert.

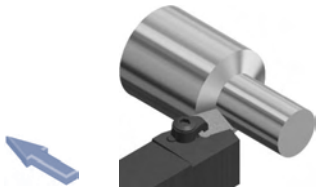
For more information see page: A.25

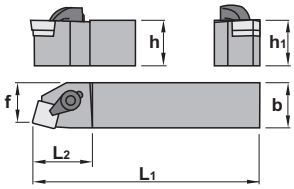
KNUX						
						

Characteristics:
Toolholder for external turning applications equipped with square positive inserts and strong cutting edges. The top clamp ensures good rigidity and stability.
Applications:
External turning toolholder for all kind of materials. The workpiece should be stable.

For interrupted cut choose toolholder Ref. PSBN (Page: B.51).

Axial: 1.50º
Radial: 5.75º

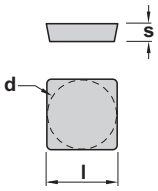




CSBP 75°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	CSBP R/L 1212 F09	12	12	80	22	11	SP..0903..	0,070
	CSBP R/L 1616 H09	16	16	100	22	13	SP..0903..	0,200
	CSBP R/L 2020 K09	20	20	125	22	17	SP..0903..	0,400
	CSBP R/L 2020 K12	20	20	125	34	17	SP..1203..	0,400
	CSBP R/L 2525 M12	25	25	150	34	22	SP..1203..	0,700
	CSBP R/L 3225 P12	32	25	170	34	22	SP..1203..	1,000
	CSBP R/L 3232 P19	32	32	170	40	27	SP..1904..	1,250
	CSBP R/L 4040 S19	40	40	250	40	35	SP..1904..	3,000
	CSBP R/L 5050 T19	50	50	300	40	43	SP..1904..	5,650

Ref.							
	CSBP R/L 1212 F09	2207	5025	3109	4002	2407	9009
	CSBP R/L 1616 H09	2207	5025	3109	4002	2407	9009
	CSBP R/L 2020 K09	2207	5025	3109	4002	2407	9009
	CSBP R/L 2020 K12	2209	5003	3112	4002	2409	9012 - 9112
	CSBP R/L 2525 M12	2209	5003	3112	4002	2409	9012 - 9112
	CSBP R/L 3225 P12	2209	5003	3112	4002	2409	9012 - 9112
	CSBP R/L 3232 P19	2211	5004	3119	4012	2411	9019 - 9119
	CSBP R/L 4040 S19	2211	5004	3119	4012	2411	9019 - 9119
	CSBP R/L 5050 T19	2211	5004	3119	4012	2411	9019 - 9119
						Supplementary accessories	

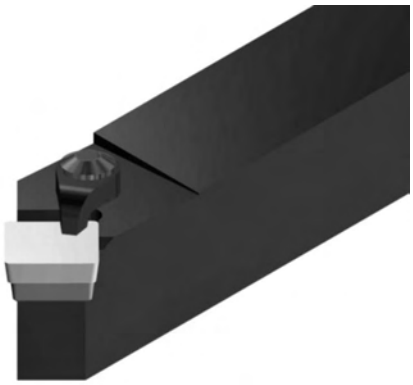


Ref.	SP..	l	s	d
	SP.. 0903..	9,52	3,18	9,52
	SP.. 1203..	12,70	3,18	12,70
	SP.. 1904..	19,05	4,76	19,05

Positive 11° clearance - Square inserts.

For more information see page: A.28

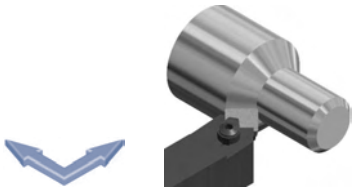
SPMR-33	SPUN					
						

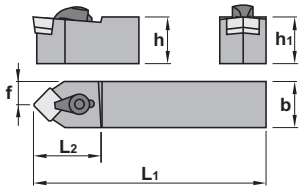


Characteristics:
Toolholder for external turning and chamfering applications equipped with square positive inserts and strong cutting edges. The top clamp ensures good rigidity and stability.
Applications:
External turning and chamfering toolholder for all kind of materials. The workpiece should be stable.

For interrupted cut choose toolholder Ref. PSDNN (Page: B.52).

Axial: 4.25º
Radial: 4.25º

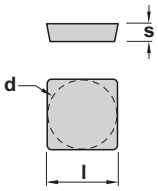




CSDP 45°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	CSDP R/L 1010 E09	10	10	70	22	5,6	SP.. 0903..	0,030
	CSDP R/L 1212 F09	12	12	80	22	7,6	SP.. 0903..	0,070
	CSDP R/L 1616 H09	16	16	100	22	11,6	SP.. 0903..	0,200
	CSDP R/L 2020 K12	20	20	125	28	14,0	SP.. 1203..	0,400
	CSDP R/L 2525 M12	25	25	150	28	19,0	SP.. 1203..	0,700
	CSDP N 1010 E09	10	10	70	22	5,0	SP.. 0903..	0,030
	CSDP N 1212 F09	12	12	80	22	6,0	SP.. 0903..	0,070
	CSDP N 1616 H09	16	16	100	22	8,0	SP.. 0903..	0,200
	CSDP N 2020 K12	20	20	125	28	10,0	SP.. 1203..	0,400
	CSDP N 2525 M12	25	25	150	28	12,5	SP.. 1203..	0,700

Ref.							
	CSDP R/L 1010 E09	2107	5025	-	-	-	9509-9609
	CSDP R/L 1212 F09	2207	5025	3109	4002	2407	9509-9609
	CSDP R/L 1616 H09	2207	5025	3109	4002	2407	9509-9609
	CSDP R/L 2020 K12	2209	5003	3112	4002	2409	9512-9612
	CSDP R/L 2525 M12	2209	5003	3112	4002	2409	9512-9612
	CSDP N 1010 E09	2107	5025	-	-	-	9509-9609
	CSDP N 1212 F09	2207	5025	3109	4002	2407	9509-9609
	CSDP N 1616 H09	2207	5025	3109	4002	2407	9509-9609
	CSDP N 2020 K12	2209	5003	3112	4002	2409	9512-9612
	CSDP N 2525 M12	2209	5003	3112	4002	2409	9512-9612
						Supplementary accessories	

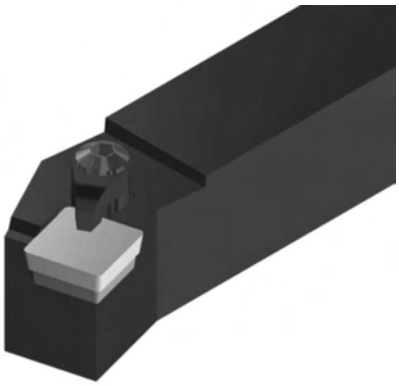


Ref.	SP..	l	s	d
	SP.. 0903..	9,52	3,18	9,52
	SP.. 1203..	12,70	3,18	12,70

Positive 11° clearance - Square inserts.

For more information see page: A.28

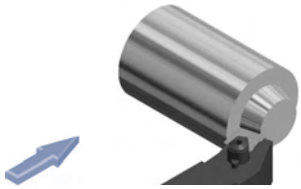
SPMR-33	SPUN					
						

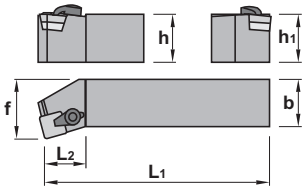


Characteristics:
Toolholder for face turning applications equipped with square positive inserts and strong cutting edges. The top clamp ensures good rigidity and stability.
Applications:
Face turning toolholder for all kind of materials. The workpiece should be stable.

For interrupted cut choose toolholder Ref. PSKN (Page: B.53).

Axial: 5.75º
Radial: 1.5º

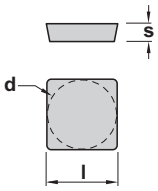




CSKP 75°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	CSKP R/L 1212 F09	12	12	80	18	16	SP..0903..	0,070
	CSKP R/L 1616 H09	16	16	100	22	20	SP..0903..	0,200
	CSKP R/L 2020 K09	20	20	125	22	25	SP..0903..	0,400
	CSKP R/L 2020 K12	20	20	125	28	25	SP..1203..	0,400
	CSKP R/L 2525 M12	25	25	150	28	32	SP..1203..	0,700
	CSKP R/L 3225 P12	32	25	170	28	32	SP..1203..	1,000
	CSKP R/L 3232 P19	32	32	170	42	40	SP..1904..	1,250
	CSKP R/L 4040 S19	40	40	250	42	50	SP..1904..	3,000
	CSKP R/L 5050 T19	50	50	300	42	60	SP..1904..	5,650

Ref.							
	CSKP R/L 1212 F09	2207	5025	3109	4002	2407	9009
	CSKP R/L 1616 H09	2207	5025	3109	4002	2407	9009
	CSKP R/L 2020 K09	2207	5025	3109	4002	2407	9009
	CSKP R/L 2020 K12	2209	5003	3112	4002	2409	9012 - 9112
	CSKP R/L 2525 M12	2209	5003	3112	4002	2409	9012 - 9112
	CSKP R/L 3225 P12	2209	5003	3112	4002	2409	9012 - 9112
	CSKP R/L 3232 P19	2211	5004	3119	4012	2411	9019 - 9119
	CSKP R/L 4040 S19	2211	5004	3119	4012	2411	9019 - 9119
	CSKP R/L 5050 T19	2211	5004	3119	4012	2411	9019 - 9119
						Supplementary accessories	

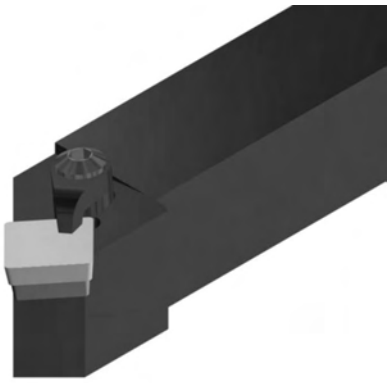


Ref.	SP..	l	s	d
	SP.. 0903..	9,52	3,18	9,52
	SP.. 1203..	12,70	3,18	12,70
	SP.. 1904..	19,05	4,76	19,05

Positive 11° clearance - Square inserts.

For more information see page: A.28

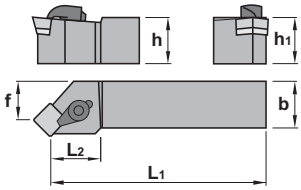
SPMR-33	SPUN					
						



Characteristics:
Toolholder for external turning and chamfering applications equipped with square positive inserts and strong cutting edges. The top clamp ensures good rigidity and stability.
Applications:
External turning and chamfering toolholder for all kind of materials. The workpiece should be stable.

For interrupted cut choose toolholder Ref. PSSN (Page: B.54).

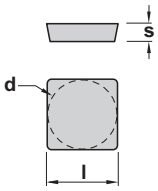
Axial: 4.25º
Radial: 4.25º



CSSP 45°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	CSSP R/L 1212 F09	12	12	80	22	16	SP.. 0903..	0,070
	CSSP R/L 1616 H09	16	16	100	22	20	SP.. 0903..	0,200
	CSSP R/L 2020 K12	20	20	125	22	25	SP.. 1203..	0,400
	CSSP R/L 2525 M12	25	25	150	28	32	SP.. 1203..	0,700
	CSSP R/L 3225 P12	32	25	170	28	32	SP.. 1203..	1,000
	CSSP R/L 3232 P19	32	32	170	42	40	SP.. 1904..	1,250
	CSSP R/L 4040 S19	40	40	250	42	50	SP.. 1904..	3,000

Ref.							
	CSSP R/L 1212 F09	2207	5025	3109	4002	2407	9509-9609
	CSSP R/L 1616 H09	2207	5025	3109	4002	2407	9509-9609
	CSSP R/L 2020 K12	2209	5003	3112	4002	2409	9512-9612
	CSSP R/L 2525 M12	2209	5003	3112	4002	2409	9512-9612
	CSSP R/L 3225 P12	2209	5003	3112	4002	2409	9512-9612
	CSSP R/L 3232 P19	2211	5004	3119	4012	2411	9519-9619
	CSSP R/L 4040 S19	2211	5004	3119	4012	2411	9519-9619
						Supplementary accessories	



Ref.	SP..	l	s	d
	SP.. 0903..	9,52	3,18	9,52
	SP.. 1203..	12,70	3,18	12,70
	SP.. 1904..	19,05	4,76	19,05

Positive 11° clearance - Square inserts.

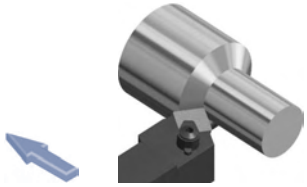
For more information see page: A.28

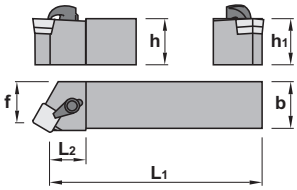
SPMR-33	SPUN					
						

Characteristics:
Toolholder for external turning applications equipped with square positive inserts and strong cutting edges. The top clamp ensures good rigidity and stability.
Applications:
External turning toolholder for all kind of materials. The workpiece should be stable.

For interrupted cut choose toolholder Ref. PSBN (Page: B.51).

Axial: 3º
Radial: 5.25º

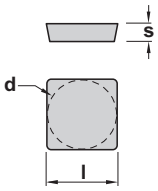




CSTP 60°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	CSTP R/L 1616 H09	16	16	100	22	13	SP..0903..	0,200
	CSTP R/L 2020 K09	20	20	125	22	17	SP..0903..	0,350
	CSTP R/L 2020 K12	20	20	125	28	17	SP..1203..	0,400
	CSTP R/L 2525 M12	25	25	150	28	22	SP..1203..	0,700

Ref.							
	CSTP R/L 1616 H09	2207	5025	3109	4002	2407	9009
	CSTP R/L 2020 K09	2207	5025	3109	4002	2407	9009
	CSTP R/L 2020 K12	2209	5003	3112	4002	2409	9012 - 9112
	CSTP R/L 2525 M12	2209	5003	3112	4002	2409	9012 - 9112
						Supplementary accessories	

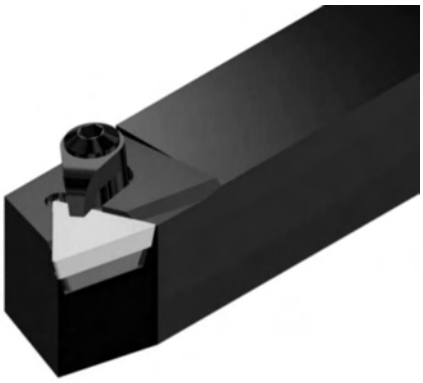


Ref.	SP..	l	s	d
	SP.. 0903..	9,52	3,18	9,52
	SP.. 1203..	12,70	3,18	12,70

Positive 11° clearance - Square inserts.

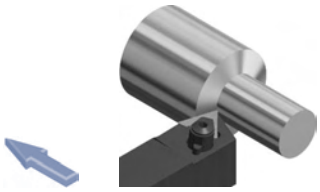
For more information see page: A.28

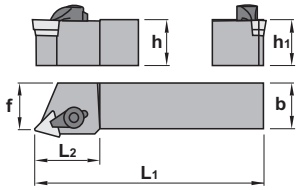
SPMR-33	SPUN					
						



Characteristics:
Toolholder for external turning applications equipped with triangular positive inserts and strong cutting edges. The top clamp ensures good rigidity and stability.
Applications:
External turning toolholder for all kind of materials. The workpiece should be stable.

Axial: 1.5º
Radial: 5.75º

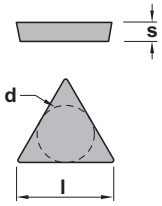




CTBP 75°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	CTBP R/L 1212 F11	12	12	80	18	11	TP.. 1103..	0,070
	CTBP R/L 1616 H11	16	16	100	22	13	TP.. 1103..	0,200
	CTBP R/L 2020 K16	20	20	125	28	17	TP.. 1603..	0,400
	CTBP R/L 2525 M16	25	25	150	28	22	TP.. 1603..	0,700

Ref.							
	CTBP R/L 1212 F11	2207	5025	-	-	2407	9011
	CTBP R/L 1616 H11	2207	5025	-	-	2407	9011
	CTBP R/L 2020 K16	2209	5003	3116	4002	2409	9016-9116
	CTBP R/L 2525 M16	2209	5003	3116	4002	2409	9016-9116
						Supplementary accessories	



Ref.	TP..	l	s	d
	TP.. 1103..	11,00	3,18	6,35
	TP.. 1603..	16,50	3,18	9,52

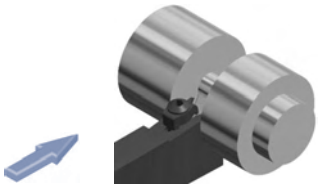
Positive 11° clearance - Triangular inserts.

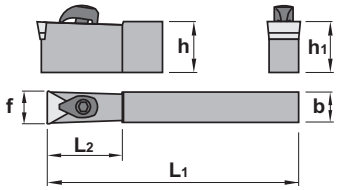
For more information see page: A.31

TPMN	TPMR-33	TPUN	TPUX-R	TPUX-L		
						

Characteristics:
Toolholder for face turning and grooving applications equipped with triangular positive inserts and strong cutting edges. The top clamp ensures good rigidity and stability.
Applications:
Face turning and grooving toolholder for all kind of materials. The workpiece should be stable.

Axial: 6º
Radial: 0º

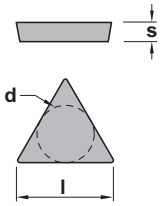




CTCPN 90°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	CTCP N 1009 E11	10	9	70	22	11	TP.. 1103..	0,040
	CTCP N 2009 K11	20	9	125	22	11	TP.. 1103..	0,150
	CTCP N 2509 R11	25	9	200	22	11	TP.. 1103..	0,350
	CTCP N 2513 R16	25	13	200	28	16	TP.. 1603..	0,500
	CTCP N 2518 R22	25	18	200	34	22	TP.. 2204..	0,650
	CTCP N 4018 R22	40	18	200	34	22	TP.. 2204..	1,100

Ref.						
	CTCP N 1009 E11	2304	5025	-	-	9011-9111
	CTCP N 2009 K11	2304	5025	-	-	9011-9111
	CTCP N 2509 R11	2304	5025	-	-	9011-9111
	CTCP N 2513 R16	2305	5003	3116	4002	9016-9116
	CTCP N 2518 R22	2211	5004	3122	4012	9022-9122
	CTCP N 4018 R22	2211	5004	3122	4012	9022-9122



Ref.	TP..	l	s	d
	TP.. 1103..	11,00	3,18	6,35
	TP.. 1603..	16,50	3,18	9,52
	TP.. 2204..	22,00	4,76	12,70

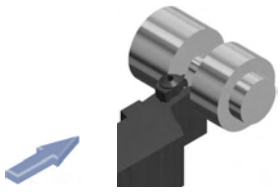
Positive 11° clearance - Triangular inserts.

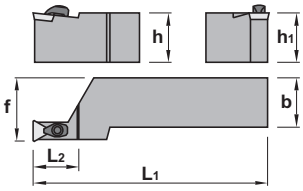
For more information see page: A.31

TPMN	TPMR-33	TPUN	TPUX-R	TPUX-L		
						

Characteristics:
Toolholder for face turning and grooving applications equipped with triangular positive inserts and strong cutting edges. The top clamp ensures good rigidity and stability.
Applications:
Face turning and grooving toolholder for all kind of materials. The workpiece should be stable.

Axial: 6º
Radial: 0º

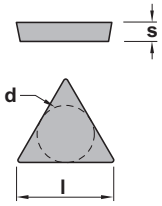




CTCP 90°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	CTCP R/L 1212 F11	12	12	80	22	16	TP.. 1103..	0,070
	CTCP R/L 1616 H11	16	16	100	22	20	TP.. 1103..	0,200
	CTCP R/L 2020 K11	20	20	125	22	25	TP.. 1103..	0,400
	CTCP R/L 2525 M11	25	25	150	22	32	TP.. 1103..	0,700
	CTCP R/L 3225 P16	32	25	170	28	32	TP.. 1603..	1,000
	CTCP R/L 3232 P16	32	32	170	28	40	TP.. 1603..	1,250
	CTCP R/L 3225 P22	32	25	170	34	32	TP.. 2204..	1,000
	CTCP R/L 3232 P22	32	32	170	34	40	TP.. 2204..	1,250

Ref.						
	CTCP R/L 1212 F11	2304	5025	-	-	9011-9111
	CTCP R/L 1616 H11	2304	5025	-	-	9011-9111
	CTCP R/L 2020 K11	2304	5025	-	-	9011-9111
	CTCP R/L 2525 M11	2304	5025	-	-	9011-9111
	CTCP R/L 3225 P16	2305	5003	3116	4002	9016-9116
	CTCP R/L 3232 P16	2305	5003	3116	4002	9016-9116
	CTCP R/L 3225 P22	2211	5004	3122	4012	9022-9122
	CTCP R/L 3232 P22	2211	5004	3122	4012	9022-9122

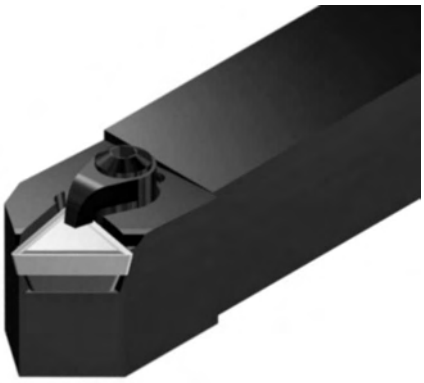


Ref.	TP..	l	s	d
	TP.. 1103..	11,00	3,18	6,35
	TP.. 1603..	16,50	3,18	9,52
	TP.. 2204..	22,00	4,76	12,70

Positive 11° clearance - Triangular inserts.

For more information see page: A.31

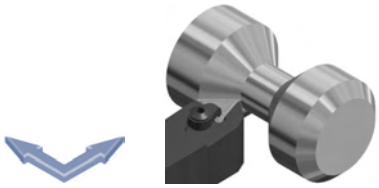
TPMN	TPMR-33	TPUN	TPUX-R	TPUX-L		
						

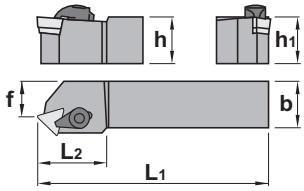


Characteristics:
Toolholder for external turning and chamfering turning applications equipped with triangular positive inserts and strong cutting edges. The top clamp ensures good rigidity and stability.
Applications:
External turning and chamfering turning toolholder for all kind of materials. The workpiece should be stable.

For interrupted cut choose toolholder Ref. PTDN (Page: B.55).

Axial: 4.25º
Radial: 4.25º

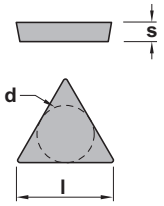




CTDP 45°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	CTDP R/L 1212 F11	12	12	80	20	6,3	TP.. 1103..	0,070
	CTDP R/L 1616 H11	16	16	100	22	10,3	TP.. 1103..	0,200
	CTDP R/L 2020 K16	20	20	125	28	12,2	TP.. 1603..	0,400
	CTDP R/L 2525 M16	25	25	150	28	17,2	TP.. 1603..	0,700
	CTDP R/L 3232 P16	32	32	170	28	23,5	TP.. 1603..	1,250
	CTDP R/L 3232 P22	32	32	170	34	20,5	TP.. 2204..	1,250

Ref.							
	CTDP R/L 1212 F11	2207	5025	-	-	2407	9011-9111
	CTDP R/L 1616 H11	2207	5025	-	-	2407	9011-9111
	CTDP R/L 2020 K16	2209	5003	3116	4002	2409	9016-9116
	CTDP R/L 2525 M16	2209	5003	3116	4002	2409	9016-9116
	CTDP R/L 3232 P16	2209	5003	3116	4002	2409	9016-9116
	CTDP R/L 3232 P22	2211	5004	3122	4012	2411	9022-9122
						Supplementary accessories	



Ref.	TP..	l	s	d
	TP.. 1103..	11,00	3,18	6,35
	TP.. 1603..	16,50	3,18	9,52
	TP.. 2204..	22,00	4,76	12,70

Positive 11° clearance - Triangular inserts.

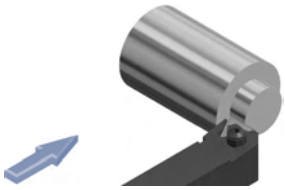
For more information see page: A.31

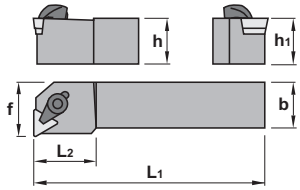
TPMN	TPMR-33	TPUN	TPUX-R	TPUX-L		
						

Characteristics:
Toolholder for face turning applications equipped with triangular positive inserts and strong cutting edges. The top clamp ensures good rigidity and stability.
Applications:
Face turning toolholder for all kind of materials. The workpiece should be stable.

For interrupted cut choose toolholder Ref. PTFN (Page: B.56).

Axial: 6º
Radial: 0º

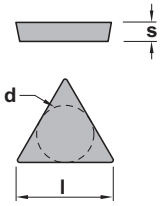




CTFP 90°

		h=h1	b	L1	L2	f	Insert size	Kg
Ref.	CTFP R/L 1010 E11	10	10	70	16	12	TP.. 1103..	0,030
	CTFP R/L 1212 F11	12	12	80	18	16	TP.. 1103..	0,070
	CTFP R/L 1616 H11	16	16	100	22	20	TP.. 1103..	0,200
	CTFP R/L 2020 K11	20	20	125	22	25	TP.. 1103..	0,400
	CTFP R/L 2020 K16	20	20	125	22	25	TP.. 1603..	0,400
	CTFP R/L 2525 M16	25	25	150	22	32	TP.. 1603..	0,700
	CTFP R/L 3225 P16	32	25	170	22	32	TP.. 1603..	1,000
	CTFP R/L 3232 P16	32	32	170	28	40	TP.. 1603..	1,250
	CTFP R/L 4040 S16	40	40	250	34	50	TP.. 1603..	3,000
	CTFP R/L 5050 T16	50	50	300	34	60	TP.. 1603..	5,650
	CTFP R/L 3232 P22	32	32	170	34	40	TP.. 2204..	1,250
	CTFP R/L 4040 S22	40	40	250	34	50	TP.. 2204..	3,000
	CTFP R/L 5050 T22	50	50	300	34	60	TP.. 2204..	5,650

							
Ref.	CTFP R/L 1010 E11	2000	5015	-	-	-	-
	CTFP R/L 1212 F11	2207	5025	-	-	2407	9011-9111
	CTFP R/L 1616 H11	2207	5025	-	-	2407	9011-9111
	CTFP R/L 2020 K11	2207	5025	-	-	2407	9011-9111
	CTFP R/L 2020 K16	2209	5003	3116	4002	2409	9016-9116
	CTFP R/L 2525 M16	2209	5003	3116	4002	2409	9016-9116
	CTFP R/L 3225 P16	2209	5003	3116	4002	2409	9016-9116
	CTFP R/L 3232 P16	2209	5003	3116	4002	2409	9016-9116
	CTFP R/L 4040 S16	2209	5003	3116	4002	2409	9016-9116
	CTFP R/L 5050 T16	2209	5003	3116	4002	2409	9016-9116
	CTFP R/L 3232 P22	2211	5004	3122	4012	2411	9022-9122
	CTFP R/L 4040 S22	2211	5004	3122	4012	2411	9022-9122
	CTFP R/L 5050 T22	2211	5004	3122	4012	2411	9022-9122
						Supplementary accessories	

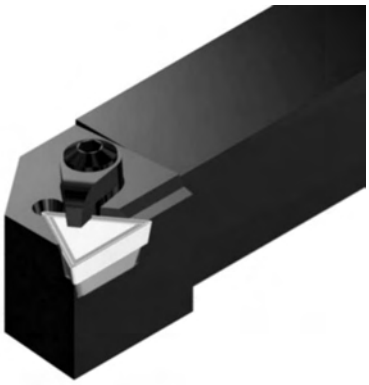


	TP..	l	s	d
Ref.	TP.. 1103..	11,00	3,18	6,35
	TP.. 1603..	16,50	3,18	9,52
	TP.. 2204..	22,00	4,76	12,70

Positive 11° clearance - Triangular inserts.

For more information see page: A.31

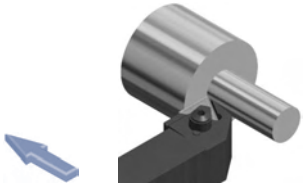
TPMN	TPMR-33	TPUN	TPUX-R	TPUX-L		
						

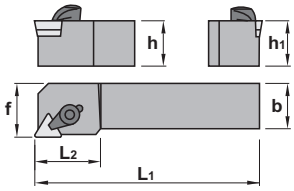


Characteristics:
Toolholder for external turning applications equipped with triangular positive inserts and strong cutting edges. The top clamp ensures good rigidity and stability.
Applications:
External turning toolholder for all kind of materials. The workpiece should be stable.

For interrupted cut choose toolholder Ref. PTGN (Page: B.57).

Axial: 0º
Radial: 6º

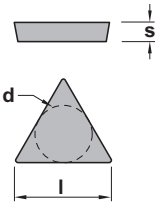




CTGP 90°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	CTGP R/L 1010 E11	10	10	70	16	12	TP.. 1103..	0,030
	CTGP R/L 1212 F11	12	12	80	18	16	TP.. 1103..	0,070
	CTGP R/L 1616 H11	16	16	100	22	20	TP.. 1103..	0,200
	CTGP R/L 2020 K11	20	20	125	22	25	TP.. 1103..	0,400
	CTGP R/L 2020 K16	20	20	125	28	25	TP.. 1603..	0,400
	CTGP R/L 2525 M16	25	25	150	28	32	TP.. 1603..	0,700
	CTGP R/L 3225 P16	32	25	170	28	32	TP.. 1603..	1,000
	CTGP R/L 3232 P22	32	32	170	34	40	TP.. 2204..	1,250
	CTGP R/L 4040 S22	40	40	250	34	50	TP.. 2204..	3,000
	CTGP R/L 5050 T22	50	50	300	34	60	TP.. 2204..	5,650

Ref.							
	CTGP R/L 1010 E11	2000	5015	-	-	-	-
	CTGP R/L 1212 F11	2207	5025	-	-	2407	9011-9111
	CTGP R/L 1616 H11	2207	5025	-	-	2407	9011-9111
	CTGP R/L 2020 K11	2207	5025	-	-	2407	9011-9111
	CTGP R/L 2020 K16	2209	5003	3116	4002	2409	9016-9116
	CTGP R/L 2525 M16	2209	5003	3116	4002	2409	9016-9116
	CTGP R/L 3225 P16	2209	5003	3116	4002	2409	9016-9116
	CTGP R/L 3232 P22	2211	5004	3122	4012	2411	9022-9122
	CTGP R/L 4040 S22	2211	5004	3122	4012	2411	9022-9122
	CTGP R/L 5050 T22	2211	5004	3122	4012	2411	9022-9122
						Supplementary accessories	



Ref.	TP..	l	s	d
	TP.. 1103..	11,00	3,18	6,35
	TP.. 1603..	16,50	3,18	9,52
	TP.. 2204..	22,00	4,76	12,70

Positive 11° clearance - Triangular inserts.

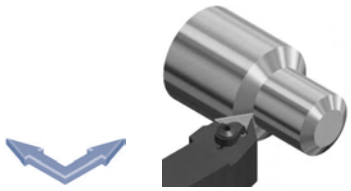
For more information see page: A.31

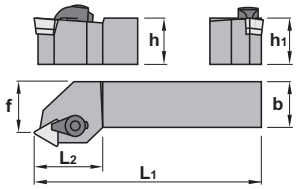
TPMN	TPMR-33	TPUN	TPUX-R	TPUX-L		
						

Characteristics:
Toolholder for external turning and chamfering turning applications equipped with triangular positive inserts and strong cutting edges. The top clamp ensures good rigidity and stability.
Applications:
External turning and chamfering turning toolholder for all kind of materials. The workpiece should be stable.

For interrupted cut choose toolholder Ref. PTTN (Page: B.58).

Axial: 3º
Radial: 5.25º

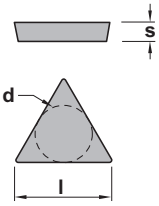




CTTP 60°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	CTTP R/L 0808 D09	8	8	60	16	7	TP.. 0902..	0,020
	CTTP R/L 1010 E09	10	10	70	16	9	TP.. 0902..	0,030
	CTTP R/L 1010 E11	10	10	70	16	9	TP.. 1103..	0,030
	CTTP R/L 1212 F11	12	12	80	18	11	TP.. 1103..	0,070
	CTTP R/L 1616 H11	16	16	100	22	13	TP.. 1103..	0,200
	CTTP R/L 2020 K11	20	20	125	22	17	TP.. 1103..	0,400
	CTTP R/L 2020 K16	20	20	125	28	17	TP.. 1603..	0,400
	CTTP R/L 2525 M16	25	25	150	28	22	TP.. 1603..	0,700

Ref.							
	CTTP R/L 0808 D09	2000	5015	-	-	-	-
	CTTP R/L 1010 E09	2000	5015	-	-	-	-
	CTTP R/L 1010 E11	2000	5015	-	-	-	-
	CTTP R/L 1212 F11	2207	5025	-	-	2407	9011-9111
	CTTP R/L 1616 H11	2207	5025	-	-	2407	9011-9111
	CTTP R/L 2020 K11	2207	5025	-	-	2407	9011-9111
	CTTP R/L 2020 K16	2209	5003	3116	4002	2409	9016-9116
	CTTP R/L 2525 M16	2209	5003	3116	4002	2409	9016-9116
						Supplementary accessories	



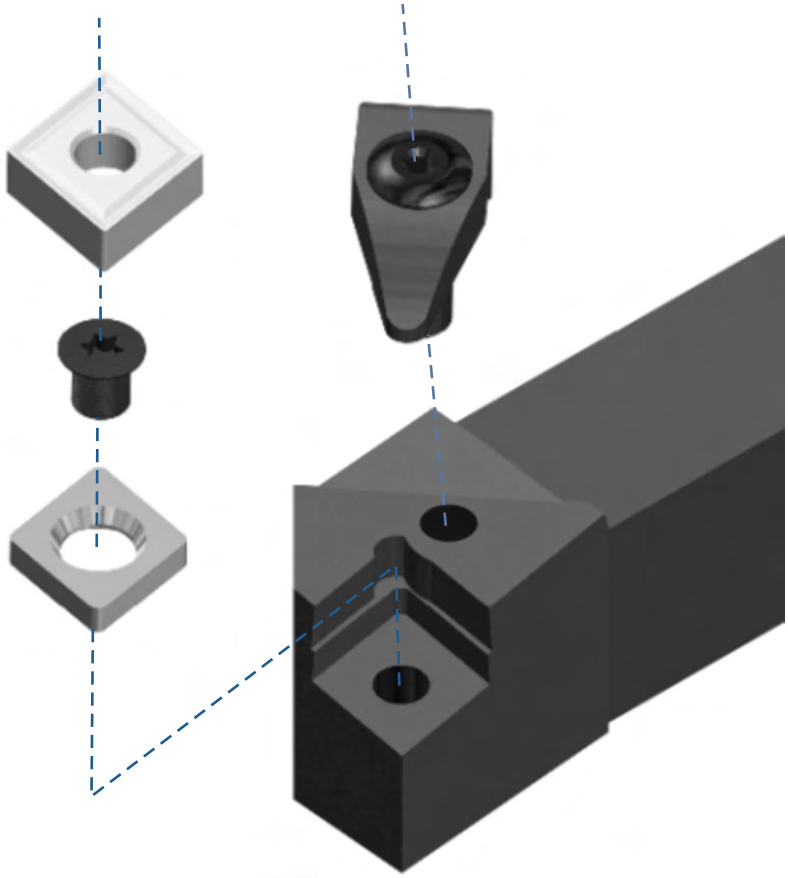
Ref.	TP..	l	s	d
	TP.. 0902..	9,62	2,38	5,55
	TP.. 1103..	11,00	3,18	6,35
	TP.. 1603..	16,50	3,18	9,52

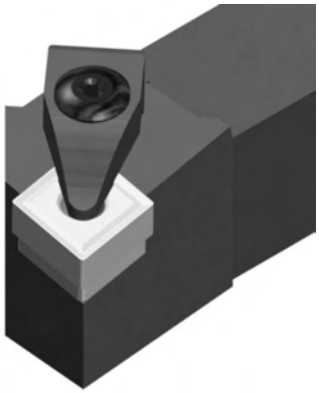
Positive 11° clearance - Triangular inserts.

For more information see page: A.31

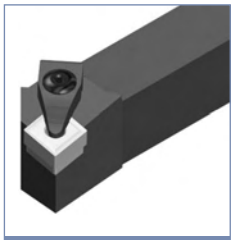
TPMN	TPMR-33	TPUN	TPUX-R	TPUX-L		
						

(D) Dimple lock

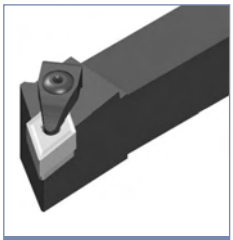




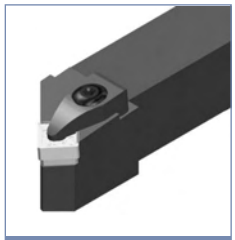
The "D" clamping system avoids insert movement during high feed or heavily interrupted machining, due to its accurate indexing that holds the insert securely clamped.



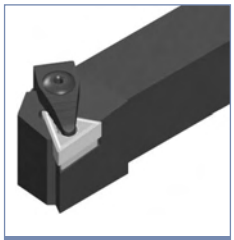
DCLN 95°



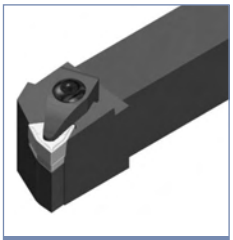
DDJN 93°



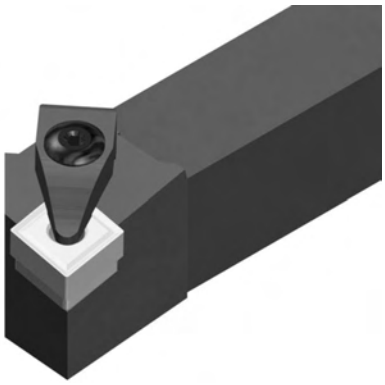
DSSN 45°



DTGN 90°



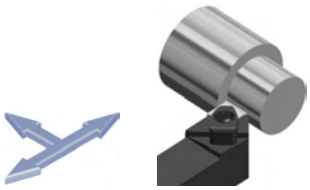
DWLN 95°

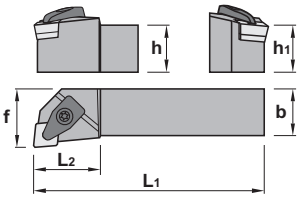


Characteristics:
Multipurpose toolholder equipped with rhombic negative double side insert (angle 80º) with strong cutting edge. The dimple lock ensures good rigidity and chip flow in roughing applications.
Applications:
External turning toolholder for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose toolholder Ref. SCLC (Page: B.61).

Axial: -6.5º
Radial: -6.5º

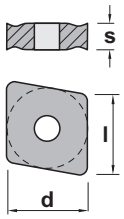




DCLN 95°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	DCLN R/L 2020 K12	20	20	125	28	25	CN.. 1204..	0,400
	DCLN R/L 2525 M12	25	25	150	28	32	CN.. 1204..	0,750
	DCLN R/L 3232 P12	32	32	170	28	40	CN.. 1204..	1,300
	DCLN R/L 3232 P19	32	32	170	42	40	CN.. 1906..	1,300
	DCLN R/L 4040 S19	40	40	250	43	50	CN.. 1906..	3,050

Ref.							
	DCLN R/L 2020 K12	ICSN-432	1160	2312	1907	4295	5004
	DCLN R/L 2525 M12	ICSN-432	1160	2312	1907	4295	5004
	DCLN R/L 3232 P12	ICSN-432	1160	2312	1907	4295	5004
	DCLN R/L 3232 P19	3619	1182	2319	1907	4295	5004
	DCLN R/L 4040 S19	3619	1182	2319	1907	4295	5004



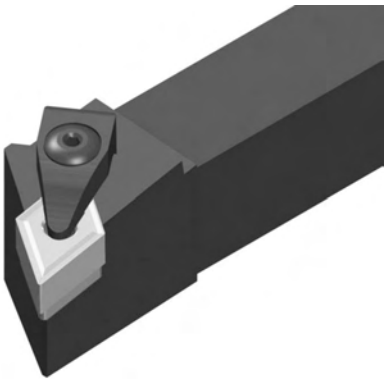
Ref.	CN..	l	s	d
	CN.. 1204..	12,90	4,76	12,70
	CN.. 1906..	19,30	6,35	19,05

Negative 80° rhombic inserts.

For more information see page: A.18

CNMG-CF	CNMG-CM	CNMG-CR	CNMG-CS
			

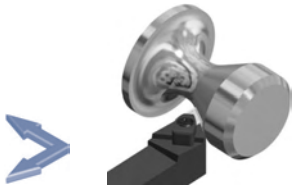
CNGP	CNMA	CNMG-CFM	CNMG-CFC	CNMG-CMC	CNMG-CMF	CNMG-CMR	CNMM
							

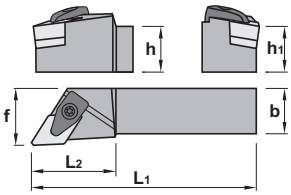


Characteristics:
Turning and profiling toolholder equipped with rhombic negative double side insert (angle 55º) with strong cutting edge.
The dimple lock ensures good rigidity and chip flow in roughing applications.
Applications:
External turning toolholder for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose toolholder Ref. SDJC (Page: B.62).

Axial: 6.25º
Radial: -6.75º

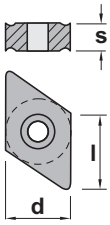




DDJN 93°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	DDJN R/L 2020 K15	20	20	125	34	25	DN.. 1506..	0,400
	DDJN R/L 2525 M15	25	25	150	34	32	DN.. 1506..	0,750
	DDJN R/L 3232 P15	32	32	170	34	40	DN.. 1506..	1,300

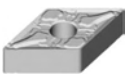
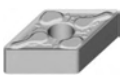
Ref.							
	DDJN R/L 2020 K15	IDSN 432	1160	2312	1907	4295	5004
	DDJN R/L 2525 M15	IDSN 432	1160	2312	1907	4295	5004
	DDJN R/L 3232 P15	IDSN 432	1160	2312	1907	4295	5004

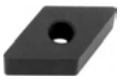
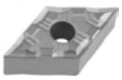
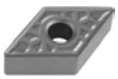


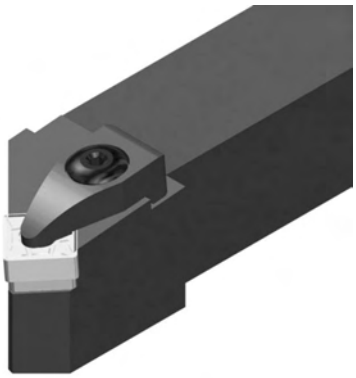
Ref.	DN..	l	s	d
	DN.. 1506..	15,50	6,35	12,70

Negative 55° rhombic inserts.

For more information see page: A.22

DNMG-CF	DNMG-CM		
			

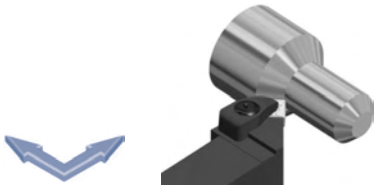
DNGP	DNMA	DNMG-CFM	DNMG-CMR	DNMX			
							

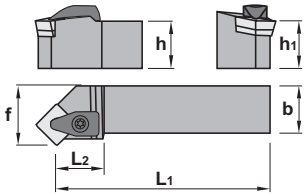


Characteristics:
Toolholder for external turning and chamfering applications equipped with square negative inserts and strong cutting edges.
The dimple lock ensures good rigidity and chip flow in roughing applications.
Applications:
External turning and chamfering toolholder for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose toolholder Ref. CSSP (Page: B.11) or SSSC (Page: B.67).

Axial: -5.75º
Radial: -5.75º

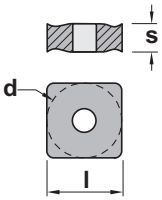




DSSN 45°

		h=h1	b	L1	L2	f	Insert size	Kg
Ref.	DSSN R/L 2020 K12	20	20	125	28	25	SNM.. 1204..	0,400
	DSSN R/L 2525 M12	25	25	150	28	32	SNM.. 1204..	0,750
	DSSN R/L 3225 P12	32	25	170	28	32	SNM.. 1204..	1,050
	DSSN R/L 3232 P19	32	32	170	42	40	SNM.. 1906..	1,300
	DSSN R/L 4040 S19	40	40	250	45	50	SNM.. 1906..	3,050

							
Ref.	DSSN R/L 2020 K12	ISSN-432	1160	2312	1907	4295	5004
	DSSN R/L 2525 M12	ISSN-432	1160	2312	1907	4295	5004
	DSSN R/L 3225 P12	ISSN-432	1160	2312	1907	4295	5004
	DSSN R/L 3232 P19	3519	1182	2319	1907	4295	5004
	DSSN R/L 4040 S19	3519	1182	2319	1907	4295	5004



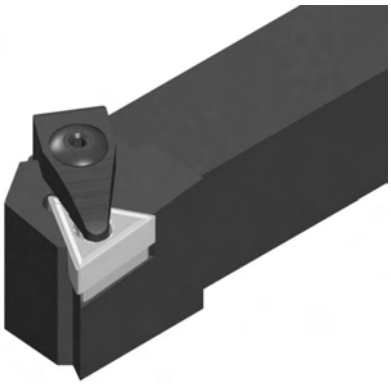
	SNM..	l	s	d
Ref.	SNM.. 1204..	12,70	4,76	12,70
	SNM.. 1906..	19,05	6,35	19,05

Negative square inserts.

For more information see page: A.27

SNMG-CR			
			

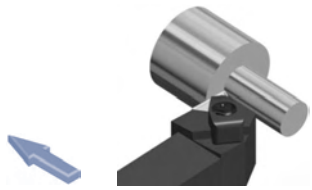
SNMA	SNMG-CFM	SNMG-CMR	SNMM
			

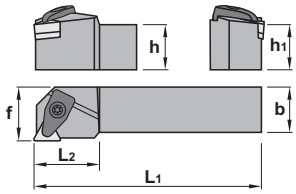


Characteristics:
Toolholder for external turning applications equipped with triangular negative inserts and strong cutting edges. The dimple lock ensures good rigidity and chip flow in roughing applications.
Applications:
External turning toolholder for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose toolholder Ref. CTGP (Page: B.18) or STGC (Page: B.71).

Axial: -6º
Radial: -6º

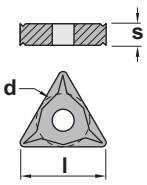




DTGN 90°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	DTGN R/L 2020 K16	20	20	125	28	25	TNM.. 1604..	0,400
	DTGN R/L 2525 M16	25	25	150	28	32	TNM.. 1604..	0,750
	DTGN R/L 2525 M22	25	25	150	34	32	TNM.. 2204..	0,750
	DTGN R/L 3232 P22	32	32	170	34	40	TNM.. 2204..	1,300

Ref.							
	DTGN R/L 2020 K16	ITSN-322	1150	2308	1915	4294	5025
	DTGN R/L 2525 M16	ITSN-322	1150	2308	1915	4294	5025
	DTGN R/L 2525 M22	ITSN-433	1160	2312	1907	4295	5004
	DTGN R/L 3232 P22	ITSN-433	1160	2312	1907	4295	5004



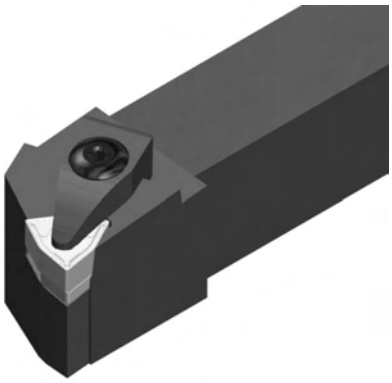
Ref.	TNM..	l	s	d
	TNM.. 1604..	16,50	4,76	9,52
	TNM.. 2204..	22,00	4,76	12,70

Negative triangular inserts.

For more information see page: A.29

TNMG-CF	TNMG-CM	TNMG-CS	
			

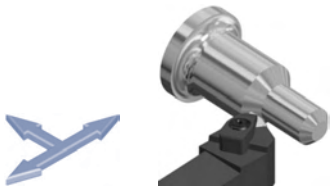
TNMA	TNMG-CFC	TNMG-CFM	TNMG-CMC	TNMG-CMF	TNMG-CMR	TNMX-R	TNMX-L
							

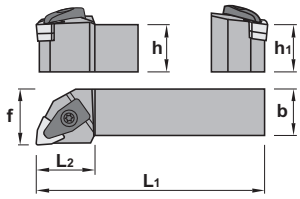


Characteristics:
Multipurpose toolholder equipped with trigon negative double side insert (angle 80º) with strong cutting edge. The dimple lock ensures good rigidity and chip flow in roughing applications.
Applications:
External turning toolholder for general applications, roughing, semi-finishing and finishing.

Top clamp toolholder Ref. MWLN (Page: B.38) or MWLN-K (Page: B.39).

Axial: -6º
Radial: -6º

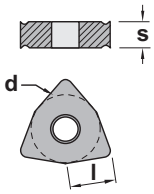




DWLN 95°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	DWLN R/L 2020 K08	20	20	125	34	25	WNMG 0804..	0,400
	DWLN R/L 2525 M08	25	25	150	34	32	WNMG 0804..	0,750
	DWLN R/L 3232 P08	32	32	170	34	40	WNMG 0804..	1,300

Ref.							
	DWLN R/L 2020 K08	IWSN-432	1160	2312	1907	4295	5004
	DWLN R/L 2525 M08	IWSN-432	1160	2312	1907	4295	5004
	DWLN R/L 3232 P08	IWSN-432	1160	2312	1907	4295	5004



	WNMG	l	s	d
Ref.	**WNMG 0804..**	8,14	4,76	12,70

Negative 80° trigon inserts.

For more information see page: A.34

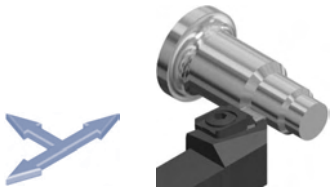
WNMG-CF	WNMG-CM	WNMG-CS	
			

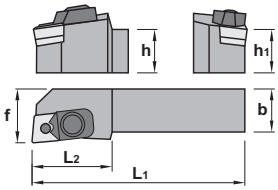
WNMG-CFM	WNMG-CMC	WNMG-CMF	WNMG-CMR
			

Characteristics:
Multipurpose toolholder equipped with rhombic negative double side insert (angle 80º) with strong cutting edge. The center pin and top clamp ensure good rigidity and stability in roughing applications.
Applications:
External turning toolholder for general applications, roughing, semi-finishing and finishing.
Not suitable for cermet, ceramic and K10, P10 grade inserts.

For low powered machines and small pieces choose toolholder Ref. SCLC (Page: B.61).

Axial: -8º
Radial: -6.5º

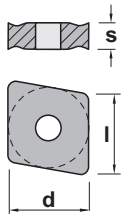




MCLN 95°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	MCLN R/L 2020 K12	20	20	125	34	25	CN.. 1204..	0,450
	MCLN R/L 2525 M12	25	25	150	34	32	CN.. 1204..	0,800
	MCLN R/L 3225 P12	32	25	170	34	32	CN.. 1204..	1,200
	MCLN R/L 2525 M19	25	25	150	42	32	CN.. 1906..	0,800
	MCLN R/L 3225 P19	32	25	170	42	32	CN.. 1906..	1,200
	MCLN R/L 4040 S19	40	40	250	42	50	CN.. 1906..	3,100

Ref.						
	MCLN R/L 2020 K12	2015	5005	ICSN-432	1661	1394
	MCLN R/L 2525 M12	2015	5005	ICSN-432	1661	1394
	MCLN R/L 3225 P12	2015	5005	ICSN-432	1661	1394
	MCLN R/L 2525 M19	2024	5005	3619	1682	1296
	MCLN R/L 3225 P19	2024	5005	3619	1682	1296
	MCLN R/L 4040 S19	2024	5005	3619	1682	1296



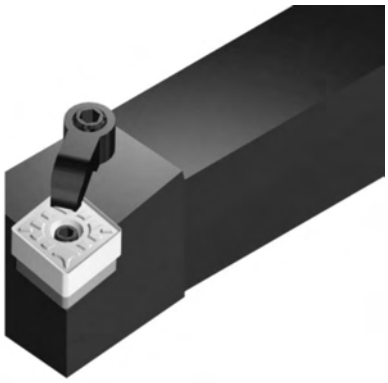
Ref.	CN..	l	s	d
	CN.. 1204..	12,90	4,76	12,70
	CN.. 1906..	19,30	6,35	19,05

Negative 80° rhombic inserts.

For more information see page: A.18

CNMG-CF	CNMG-CM	CNMG-CR	CNMG-CS
			

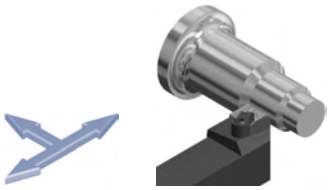
CNGP	CNMA	CNMG-CFM	CNMG-CFC	CNMG-CMC	CNMG-CMF	CNMG-CMR	CNMM
							

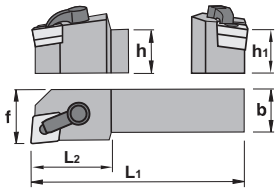


Characteristics:
Multipurpose toolholder equipped with rhombic negative double side insert (angle 80º) with strong cutting edge. The center pin and top clamp ensure good rigidity and stability in roughing applications.
Applications:
External turning toolholder for general applications, roughing, semi-finishing and finishing.
Specially recommended for cermet, ceramic and K10, P10 grade inserts.

For low powered machines and small pieces choose toolholder Ref. SCLC (Page: B.61).

Axial: -8º
Radial: -6.25º

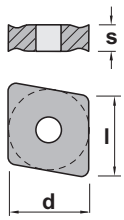




MCLN-K 95°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	MCLN R/L 2020 K12-K	20	20	125	28	25	CN.. 1204..	0,450
	MCLN R/L 2525 M12-K	25	25	150	28	32	CN.. 1204..	0,800
	MCLN R/L 3225 P12-K	32	25	170	28	32	CN.. 1204..	1,200
	MCLN R/L 2525 M19-K	25	25	150	42	32	CN.. 1906..	0,800
	MCLN R/L 3232 P19-K	32	32	170	42	40	CN.. 1906..	1,400

Ref.							
	MCLN R/L 2020 K12-K	2613	1086	5003	ICSN-432	1656	5025
	MCLN R/L 2525 M12-K	2613	1086	5003	ICSN-432	1656	5025
	MCLN R/L 3225 P12-K	2613	1086	5003	ICSN-432	1656	5025
	MCLN R/L 2525 M19-K	2621	1098	5004	ICSN-634	1670	5004
	MCLN R/L 3232 P19-K	2621	1098	5004	ICSN-634	1670	5004



Ref.	CN..	l	s	d
	CN.. 1204..	12,90	4,76	12,70
	CN.. 1906..	19,30	6,35	19,05

Negative 80° rhombic inserts.

For more information see page: A.18

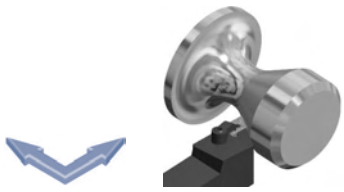
CNMG-CF	CNMG-CM	CNMG-CR	CNMG-CS
			

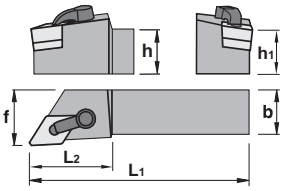
CNGP	CNMA	CNMG-CFM	CNMG-CFC	CNMG-CMC	CNMG-CMF	CNMG-CMR	CNMM
							

Characteristics:
Turning and profiling toolholder equipped with rhombic negative double side insert (angle 55º) with strong cutting edge. The center pin and top clamp ensure good rigidity and stability in roughing applications.
Applications:
External turning toolholder for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose toolholder Ref. SDJC (Page: B.62).

Axial: -6º
Radial: -7º

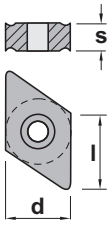




MDJN-K 93°

		h=h1	b	L1	L2	f	Insert size	Kg
Ref.	**MDJN R/L 2020 K15-K**	20	20	125	34	25	DN.. 1506..	0,450
	MDJN R/L 2525 M15-K	25	25	150	34	32	DN.. 1506..	0,800
	MDJN R/L 3225 P15-K	32	25	170	34	32	DN.. 1506..	1,200

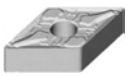
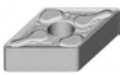
							
Ref.	**MDJN R/L 2020 K15-K**	2614	1086	5003	IDSN-432	1666	5025
	MDJN R/L 2525 M15-K	2614	1086	5003	IDSN-432	1666	5025
	MDJN R/L 3225 P15-K	2614	1086	5003	IDSN-432	1666	5025

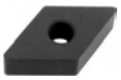
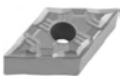
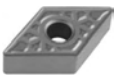


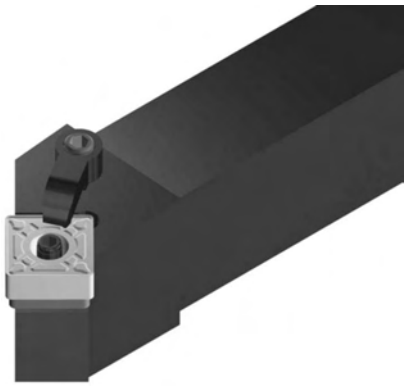
	DN..	l	s	d
Ref.	**DN.. 1506..**	15,50	6,35	12,70

Negative 55° rhombic inserts.

For more information see page: A.22

DNMG-CF	DNMG-CM		
			

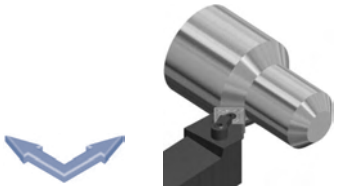
DNGP	DNMA	DNMG-CFM	DNMG-CMR	DNMX			
							

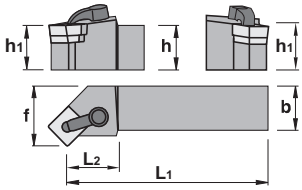


Characteristics:
Toolholder for external turning and chamfering applications equipped with square negative inserts and strong cutting edges. The center pin and top clamp ensure good rigidity and stability in roughing applications.
Applications:
External turning and chamfering toolholder for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose toolholder Ref. CSSP (Page: B.11) or SSSC (Page: B.67).

Axial: -6º
Radial: -6º

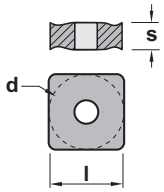




MSSN-K 45°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	MSSN R/L 2020 K12-K	20	20	125	28	27	SNM.. 1204..	0,450
	MSSN R/L 2525 M12-K	25	25	150	28	32	SNM.. 1204..	0,800

Ref.							
	MSSN R/L 2020 K12-K	2613	1086	5003	ISSN-432	1656	5025
	MSSN R/L 2525 M12-K	2613	1086	5003	ISSN-432	1656	5025



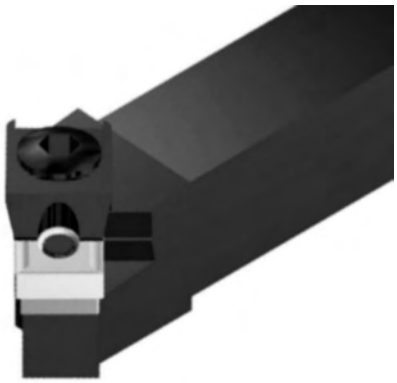
	SNM..	l	s	d
Ref.	SNM.. 1204..	12,70	4,76	12,70

Negative square inserts.

For more information see page: A.27

SNMG-CR			
			

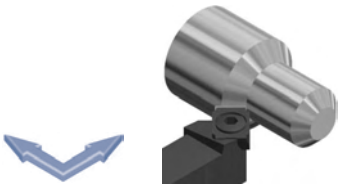
SNMA	SNMG-CFM	SNMG-CMR					
							

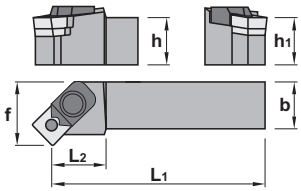


Characteristics:
Toolholder for external turning and chamfering applications equipped with square negative inserts and strong cutting edges. The center pin and top clamp ensure good rigidity and stability in roughing applications.
Applications:
External turning and chamfering toolholder for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose toolholder Ref. CSSP (Page: B.11) or SSSC (Page: B.67).

Axial: -6º
Radial: -6º

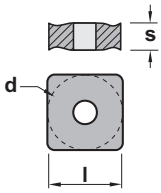




MSSN 45°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	MSSN R/L 2020 K12	20	20	125	34	27	SNM.. 1204..	0,450
	MSSN R/L 2525 M12	25	25	150	34	32	SNM.. 1204..	0,800
	MSSN R/L 3225 P12	32	25	170	34	32	SNM.. 1204..	1,200
	MSSN R/L 2525 M19	25	25	150	42	32	SNM.. 1906..	0,800
	MSSN R/L 3225 P19	32	25	170	42	32	SNM.. 1906..	1,200
	MSSN R/L 3232 P19	32	32	170	42	40	SNM.. 1906..	1,400
	MSSN R/L 4040 S19	40	40	250	42	50	SNM.. 1906..	3,100

Ref.						
	MSSN R/L 2020 K12	2014	5005	3514	1661	1394
	MSSN R/L 2525 M12	2014	5005	3514	1661	1394
	MSSN R/L 3225 P12	2014	5005	3514	1661	1394
	MSSN R/L 2525 M19	2024	5005	3519	1682	1296
	MSSN R/L 3225 P19	2024	5005	3519	1682	1296
	MSSN R/L 3232 P19	2024	5005	3519	1682	1296
	MSSN R/L 4040 S19	2024	5005	3519	1682	1296



Ref.	SNM..	l	s	d
	SNM.. 1204..	12,70	4,76	12,70
	SNM.. 1906..	19,05	6,35	19,05

Negative square inserts.

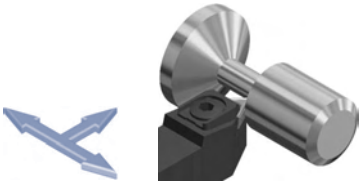
For more information see page: A.27

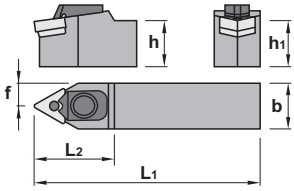
SNMG-CR			
			

SNMA	SNMG-CFM	SNMG-CMR	SNMM				
							

Characteristics:
Profiling toolholder equipped with triangular negative double side insert (angle 60º) with strong cutting edge. The clamp fixing ensures good rigidity and stability in roughing applications.
Applications:
Profiling toolholder for general applications, roughing, semi-finishing and finishing.

Axial: -8.25º
Radial: -2.25º

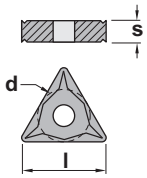




MTEN 60°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	MTEN R/L/N 2020 K16	20	20	125	34	10,5	TNM.. 1604..	0,450
	MTEN R/L/N 2525 M16	25	25	150	34	13,0	TNM.. 1604..	0,800
	MTEN R/L/N 3225 P16	32	25	170	34	13,0	TNM.. 1604..	1,200
	MTEN R/L/N 2525 M22	25	25	150	42	13,0	TNM.. 2204..	0,800
	MTEN R/L/N 3225 P22	32	25	170	42	13,0	TNM.. 2204..	1,200
	MTEN R/L/N 3232 P22	32	32	170	42	16,5	TNM.. 2204..	1,400
	MTEN R/L/N 4025 R22	40	25	200	42	13,0	TNM.. 2204..	1,500
	MTEN R/L/N 5032 S22	50	32	250	45	16,5	TNM.. 2204..	2,950

Ref.						
	MTEN R/L/N 2020 K16	2014	5005	3414	1642	1393
	MTEN R/L/N 2525 M16	2014	5005	3414	1642	1393
	MTEN R/L/N 3225 P16	2014	5005	3414	1642	1393
	MTEN R/L/N 2525 M22	2024	5005	ITSN-433	1661	1394
	MTEN R/L/N 3225 P22	2024	5005	ITSN-433	1661	1394
	MTEN R/L/N 3232 P22	2024	5005	ITSN-433	1661	1394
	MTEN R/L/N 4025 R22	2024	5005	ITSN-433	1661	1394
	MTEN R/L/N 5032 S22	2024	5005	ITSN-433	1661	1394



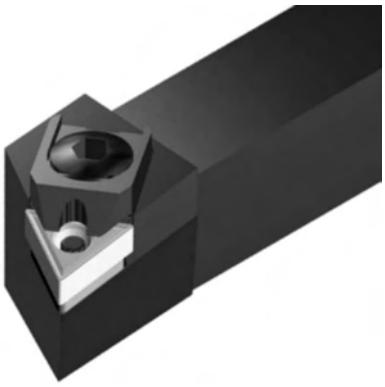
Ref.	TNM..	l	s	d
	TNM.. 1604..	16,50	4,76	9,52
	TNM.. 2204..	22,00	4,76	12,70

Negative triangular inserts.

For more information see page: A.29

TNMG-CF	TNMG-CM	TNMG-CS	
			

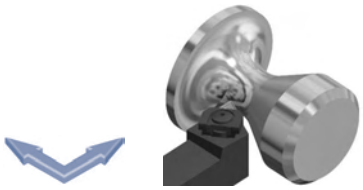
TNMA	TNMG-CFC	TNMG-CFM	TNMG-CMC	TNMG-CMF	TNMG-CMR	TNMX-R	TNMX-L
							

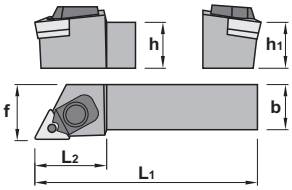


Characteristics:
Turning and profiling toolholder equipped with triangular negative double side insert with strong cutting edge. The center pin and top clamp ensure good rigidity and stability in roughing applications.
Applications:
External turning and profiling toolholder for general applications, roughing, semi-finishing and finishing. Not suitable for cermet, ceramic and K10, P10 grade inserts.

For low powered machines and small pieces choose toolholder Ref. STJC (Page: B.72).

Axial: -6º
Radial: -6º





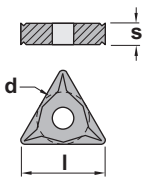
MTJN 93°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	MTJN R/L 2020 K16	20	20	125	34	25	TNM.. 1604..	0,450
	MTJN R/L 2525 M16	25	25	150	34	32	TNM.. 1604..	0,800
	MTJN R/L 3225 P16	32	25	170	34	32	TNM.. 1604..	1,200
	MTJN R/L 2525 M22	25	25	150	42	32	TNM.. 2204..	0,800
	MTJN R/L 3225 P22	32	25	170	42	32	TNM.. 2204..	1,200
	MTJN R/L 3232 P22	32	32	170	42	40	TNM.. 2204..	1,400
	MTJN R/L 4025 R22	40	25	200	42	32	TNM.. 2204..	1,500
	MTJN R/L 5032 S22	50	32	250	45	40	TNM.. 2204..	2,950





Ref.						
	MTJN R/L 2020 K16	2014	5005	3414	1642	1393
	MTJN R/L 2525 M16	2014	5005	3414	1642	1393
	MTJN R/L 3225 P16	2014	5005	3414	1642	1393
	MTJN R/L 2525 M22	2024	5005	ITSN-433	1661	1394
	MTJN R/L 3225 P22	2024	5005	ITSN-433	1661	1394
	MTJN R/L 3232 P22	2024	5005	ITSN-433	1661	1394
	MTJN R/L 4025 R22	2024	5005	ITSN-433	1661	1394
	MTJN R/L 5032 S22	2024	5005	ITSN-433	1661	1394



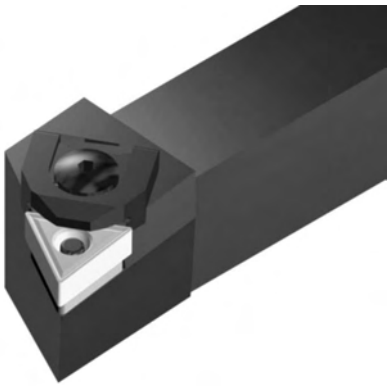
Ref.	TNM..	l	s	d
	TNM.. 1604..	16,50	4,76	9,52
	TNM.. 2204..	22,00	4,76	12,70

Negative triangular inserts.

For more information see page: A.29

TNMG-CF	TNMG-CM	TNMG-CS	
			

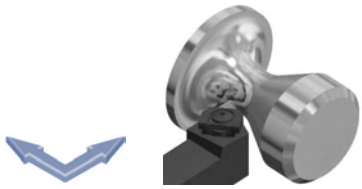
TNMA	TNMG-CFC	TNMG-CFM	TNMG-CMC	TNMG-CMF	TNMG-CMR	TNMX-R	TNMX-L
							

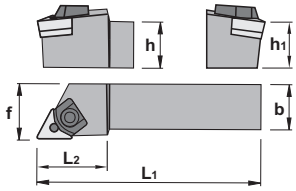


Characteristics:
Turning and profiling toolholder equipped with triangular negative double side insert with strong cutting edge. The center pin and top clamp ensure good rigidity and stability in roughing applications.
Applications:
External turning and profiling toolholder for general applications, roughing, semi-finishing and finishing. Specially recommended for cermet, ceramic and K10, P10 grade inserts.

For low powered machines and small pieces choose toolholder Ref. STJC (Page: B.72).

Axial: -6º
Radial: -6º

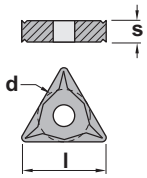




MTJN-K 93°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	MTJN R/L 2020 K16-K	20	20	125	22	25	TNM.. 1604..	0,450
	MTJN R/L 2525 M16-K	25	25	150	22	32	TNM.. 1604..	0,800
	MTJN R/L 2525 M22-K	25	25	150	28	32	TNM.. 2204..	0,800
	MTJN R/L 3225 P22-K	32	25	170	28	32	TNM.. 2204..	1,200
	MTJN R/L 3232 P22-K	32	32	170	28	40	TNM.. 2204..	1,400
	MTJN R/L 4025 R22-K	40	25	200	34	32	TNM.. 2204..	1,500
	MTJN R/L 5032 S22-K	50	32	250	34	40	TNM.. 2204..	2,950

Ref.						
	MTJN R/L 2020 K16-K	2017	5025	3414	1642	1393
	MTJN R/L 2525 M16-K	2017	5025	3414	1642	1393
					1642	1393
	MTJN R/L 2525 M22-K	2023	5003	ITSN-433		
	MTJN R/L 3225 P22-K	2023	5003	ITSN-433	1661	1394
	MTJN R/L 3232 P22-K	2023	5003	ITSN-433	1661	1394
	MTJN R/L 4025 R22-K	2023	5003	ITSN-433	1661	1394
	MTJN R/L 5032 S22-K	2023	5003	ITSN-433	1661	1394



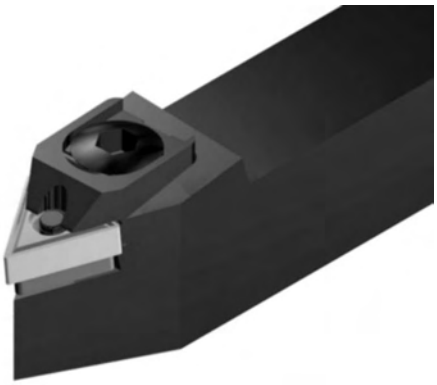
Ref.	TNM..	l	s	d
	TNM.. 1604..	16,50	4,76	9,52
	TNM.. 2204..	22,00	4,76	12,70

Negative triangular inserts.

For more information see page: A.29

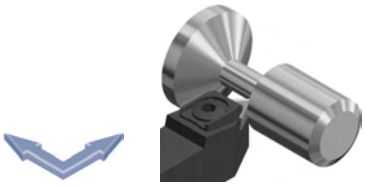
TNMG-CF	TNMG-CM	TNMG-CS	
			

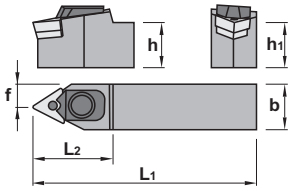
TNMA	TNMG-CFC	TNMG-CFM	TNMG-CMC	TNMG-CMF	TNMG-CMR	TNMX-R	TNMX-L
							



Characteristics:
Profiling toolholder equipped with triangular negative double side insert (angle 60º) with strong cutting edge. The clamp fixing ensures good rigidity and stability in roughing applications.
Applications:
Profiling toolholder for general applications, roughing, semi-finishing and finishing.

Axial: -8º
Radial: -2.5º

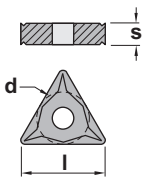




MTNN 63°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	MTNN R/L 2020 K16	20	20	125	34	10,0	TNM.. 1604..	0,450
	MTNN R/L 2525 M16	25	25	150	34	12,5	TNM.. 1604..	0,800
	MTNN R/L 3225 P16	32	25	170	34	12,5	TNM.. 1604..	1,200
	MTNN R/L 2525 M22	25	25	150	42	12,5	TNM.. 2204..	0,800
	MTNN R/L 3225 P22	32	25	170	42	12,5	TNM.. 2204..	1,200
	MTNN R/L 3232 P22	32	32	170	42	16,0	TNM.. 2204..	1,400
	MTNN R/L 4025 R22	40	25	200	42	12,5	TNM.. 2204..	1,500
	MTNN R/L 5032 S22	50	32	250	45	16,0	TNM.. 2204..	2,950

Ref.						
	MTNN R/L 2020 K16	2014	5005	3414	1642	1393
	MTNN R/L 2525 M16	2014	5005	3414	1642	1393
	MTNN R/L 3225 P16	2014	5005	3414	1642	1393
	MTNN R/L 2525 M22	2024	5005	ITSN-433	1661	1394
	MTNN R/L 3225 P22	2024	5005	ITSN-433	1661	1394
	MTNN R/L 3232 P22	2024	5005	ITSN-433	1661	1394
	MTNN R/L 4025 R22	2024	5005	ITSN-433	1661	1394
	MTNN R/L 5032 S22	2024	5005	ITSN-433	1661	1394



Ref.	TNM..	l	s	d
	TNM.. 1604..	16,50	4,76	9,52
	TNM.. 2204..	22,00	4,76	12,70

Negative triangular inserts.

For more information see page: A.29

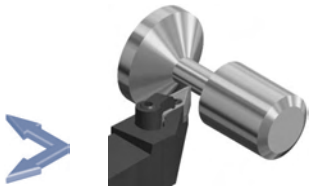
TNMG-CF	TNMG-CM	TNMG-CS	
			

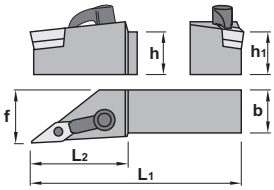
TNMA	TNMG-CFC	TNMG-CFM	TNMG-CMC	TNMG-CMF	TNMG-CMR	TNMX-R	TNMX-L
							

Characteristics:
External turning and profiling toolholder equipped with rhombic negative double side insert (angle 35º) with strong cutting edge.
The center pin and top clamp ensure good rigidity and stability in roughing applications.
Applications:
External turning and profiling toolholder for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose toolholder Ref. SVJC (Page: B.76).

Axial: -6º
Radial: -6º

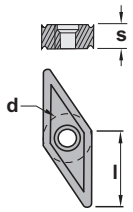




MVJN-K 93°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	MVJN R/L 2020 K16-K	20	20	125	43	25	VN.. 1604..	0,450
	MVJN R/L 2525 M16-K	25	25	150	43	32	VN.. 1604..	0,800
	MVJN R/L 3225 P16-K	32	25	170	43	32	VN.. 1604..	1,200

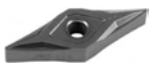
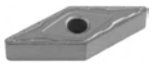
Ref.							
	MVJN R/L 2020 K16-K	2616	1086	5003	IVSN-322	1665	5002
	MVJN R/L 2525 M16-K	2616	1086	5003	IVSN-322	1665	5002
	MVJN R/L 3225 P16-K	2616	1086	5003	IVSN-322	1665	5002



	VN..	l	s	d
Ref.	VN.. 1604..	16,50	4,76	9,52

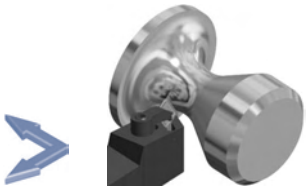
Negative 35° rhombic inserts.

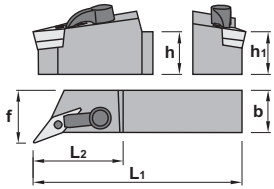
For more information see page: A.33

VNGP	VNMG	VNMG-CMC				
						

Characteristics:
Turning and profiling toolholder equipped with rhombic negative double side insert (angle 35º) with strong cutting edge.
The center pin and top clamp ensure good rigidity and stability in roughing applications.
Applications:
External turning and profiling toolholder for general applications, roughing, semi-finishing and finishing.

Axial: -8º
Radial: -10º

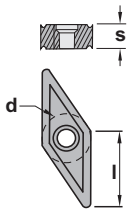




MVQN-K 117°30'

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	MVQN R/L 2020 K16-K	20	20	125	43	25	VN.. 1604..	0,450
	MVQN R/L 2525 M16-K	25	25	150	43	32	VN.. 1604..	0,800
	MVQN R/L 3225 P16-K	32	25	170	43	32	VN.. 1604..	1,200

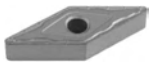
Ref.							
	MVQN R/L 2020 K16-K	2616	1086	5003	IVSN-322	1665	5002
	MVQN R/L 2525 M16-K	2616	1086	5003	IVSN-322	1665	5002
	MVQN R/L 3225 P16-K	2616	1086	5003	IVSN-322	1665	5002

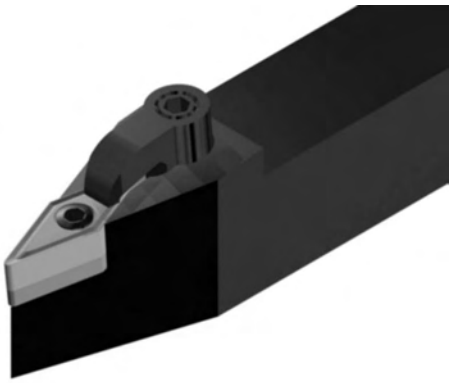


	VN..	l	s	d
Ref.	VN.. 1604..	16,50	4,76	9,52

Negative 35° rhombic inserts.

For more information see page: A.33

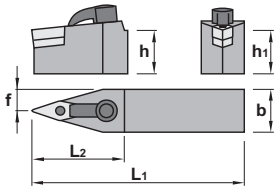
VNGP	VNMG	VNMG-CMC				
						



Characteristics:
Profiling toolholder equipped with rhombic negative double side insert (angle 35º) with strong cutting edge. The center pin and top clamp ensures good rigidity and stability in roughing applications.
Applications:
Profiling turning toolholder for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose toolholder Ref. SVVC (Page: B.79).

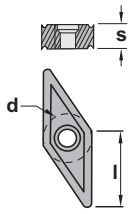
Axial: 6º
Radial: 0º



MVVN-K 72°30'

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	MVVN N 2020 K16-K	20	20	125	43	10,0	VN.. 1604..	0,450
	MVVN N 2525 M16-K	25	25	150	43	12,5	VN.. 1604..	0,800

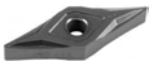
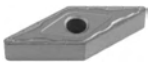
Ref.							
	MVVN N 2020 K16-K	2616	1086	5003	IVSN-322	1665	5002
	MVVN N 2525 M16-K	2616	1086	5003	IVSN-322	1665	5002

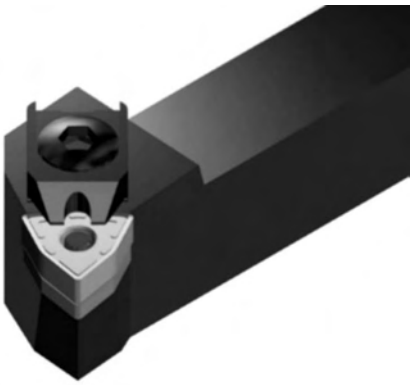


VN..	l	s	d
Ref. VN.. 1604..	16,50	4,76	9,52

Negative 35° rhombic inserts.

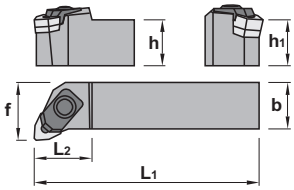
For more information see page: A.33

VNGP	VNMG	VNMG-CMC				
						



Characteristics:
Multipurpose toolholder equipped with trigon negative double side insert (angle 80º) with strong cutting edge. The center pin and top clamp ensure good rigidity and stability in roughing applications.
Applications:
External turning toolholder for general applications, roughing, semi-finishing and finishing.
Not suitable for cermet, ceramic and K10, P10 grade inserts.

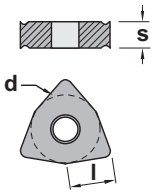
Axial: -6.5º
Radial: -6.5º



MWLN 95°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	MWLN R/L 1616 H06	16	16	100	15	20	WNMG 0604..	0,200
	MWLN R/L 2020 K06	20	20	125	25	25	WNMG 0604..	0,450
	MWLN R/L 2525 M06	25	25	150	25	32	WNMG 0604..	0,800
	MWLN R/L 2020 K08	20	20	125	34	25	WNMG 0804..	0,450
	MWLN R/L 2525 M08	25	25	150	34	32	WNMG 0804..	0,800
	MWLN R/L 3225 P08	32	25	170	34	32	WNMG 0804..	1,200
	MWLN R/L 3232 P08	32	32	170	34	40	WNMG 0804..	1,400

Ref.						
	MWLN R/L 1616 H06	2006	5025	3006	1644	1393
	MWLN R/L 2020 K06	2006	5025	3006	1642	1393
	MWLN R/L 2525 M06	2006	5025	3006	1642	1393
	MWLN R/L 2020 K08	2011	5005	IWSN-432	1661	1394
	MWLN R/L 2525 M08	2011	5005	IWSN-432	1661	1394
	MWLN R/L 3225 P08	2011	5005	IWSN-432	1661	1394
	MWLN R/L 3232 P08	2011	5005	IWSN-432	1661	1394

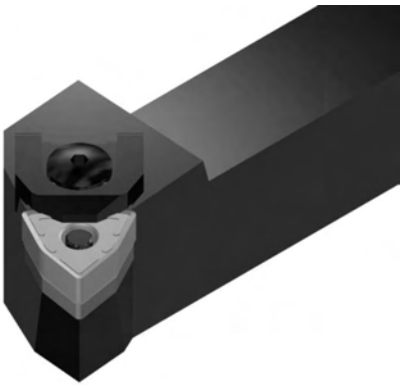


Ref.	WNMG	l	s	d
	WNMG 0604..	6,45	4,76	9,52
	WNMG 0804..	8,14	4,76	12,70

Negative 80° trigon inserts.
For more information see page: A.34

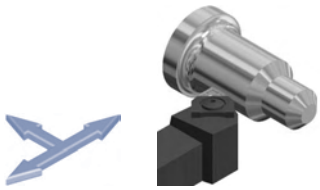
WNMG-CF	WNMG-CM	WNMG-CS	
			

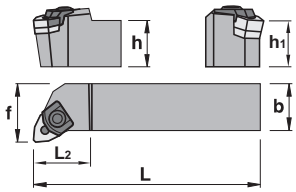
WNMG-CFM	WNMG-CMC	WNMG-CMF	WNMG-CMR				
							



Characteristics:
Multipurpose toolholder equipped with trigon negative double side insert (angle 80º) with strong cutting edge. The center pin and top clamp ensure good rigidity and stability in roughing applications.
Applications:
External turning toolholder for general applications, roughing, semi-finishing and finishing.
Specially recommended for cermet, ceramic and K10, P10 grade inserts.

Axial: -5.5º
Radial: -6.5º

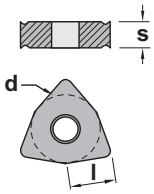




MWLN-K 95°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	MWLN R/L 2020 K08-K	20	20	125	34	25	WNM.. 0804..	0,450
	MWLN R/L 2525 M08-K	25	25	150	34	32	WNM.. 0804..	0,800
	MWLN R/L 3232 P08-K	32	32	170	34	40	WNM.. 0804..	1,400

Ref.						
	MWLN R/L 2020 K08-K	2018	5025	IWSN-432	1661	1394
	MWLN R/L 2525 M08-K	2018	5025	IWSN-432	1661	1394
	MWLN R/L 3232 P08-K	2018	5025	IWSN-432	1661	1394



WNM..	l	s	d
Ref. WNM.. 0804..	8,14	4,76	12,70

Negative 80° trigon inserts.

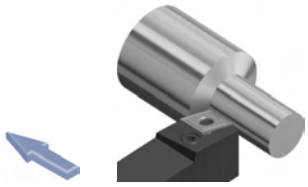
For more information see page: A.34

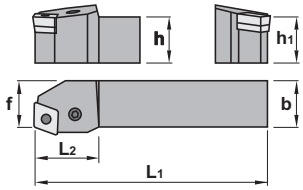
WNMG-CF	WNMG-CM	WNMG-CS	
			

WNMA	WNMG-CFM	WNMG-CMC	WNMG-CMF	WNMG-CMR			
							

Characteristics:
Toohloder for external turning applications equipped with rhombic negative inserts (angle 80º) and strong cutting edges.
The lever lock ensures good rigidity and chip flow in roughing applications.
Applications:
External turning toolholder for general applications, roughing, semi-finishing and finishing.

Axial: -7.25º
Radial: -4.25º

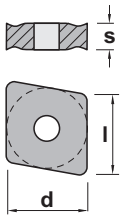




PCBN 75°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	PCBN R/L 2020 K12	20	20	125	28	17	CN.. 1204..	0,400
	PCBN R/L 2525 M12	25	25	150	28	22	CN.. 1204..	0,750
	PCBN R/L 2525 M16	25	25	150	34	22	CN.. 1606..	0,750
	PCBN R/L 3225 P16	32	25	170	34	22	CN.. 1606..	1,050
	PCBN R/L 3232 P16	32	32	170	34	27	CN.. 1606..	1,300
	PCBN R/L 3225 P19	32	25	170	42	22	CN.. 1906..	1,050
	PCBN R/L 3232 P19	32	32	170	42	27	CN.. 1906..	1,300
	PCBN R/L 4040 S19	40	40	250	45	35	CN.. 1906..	3,050

Ref.							
	PCBN R/L 2020 K12	8012	1608	5003	3612	4112	0012
	PCBN R/L 2525 M12	8012	1608	5003	3612	4112	0012
	PCBN R/L 2525 M16	8016	1618	5003	3616	4115	0015
	PCBN R/L 3225 P16	8016	1618	5003	3616	4115	0015
	PCBN R/L 3232 P16	8016	1618	5003	3616	4115	0015
	PCBN R/L 3225 P19	8019	1610	5004	3619	4119	0019
	PCBN R/L 3232 P19	8019	1610	5004	3619	4119	0019
	PCBN R/L 4040 S19	8019	1610	5004	3619	4119	0019



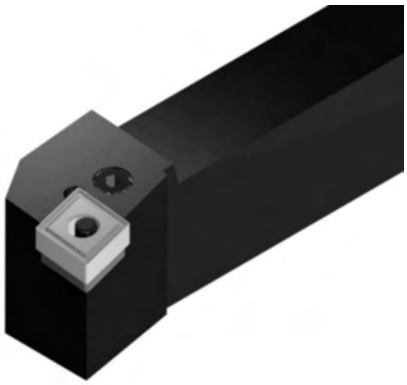
Ref.	CN..	l	s	d
	CN.. 1204..	12,90	4,76	12,70
	CN.. 1606..	16,10	6,35	15,88
	CN.. 1906..	19,30	6,35	19,05

Negative 80° rhombic inserts.

For more information see page: A.18

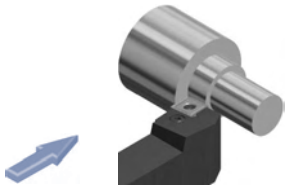
CNMG-CF	CNMG-CM	CNMG-CR	CNMG-CS
			

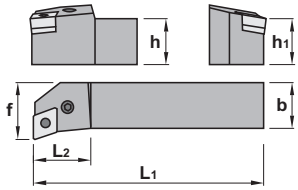
CNGP	CNMA	CNMG-CFM	CNMG-CFC	CNMG-CMC	CNMG-CMF	CNMG-CMR	CNMM
							



Characteristics:
Toohloder for face turning applications equipped with rhombic negative inserts (angle 80º) and strong cutting edges.
The lever lock ensures good rigidity and chip flow in roughing applications.
Applications:
Face turning toolholder for general applications, roughing, semi-finishing and finishing.

Axial: -6º
Radial: -6º

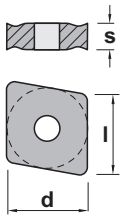




PCFN 90°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	PCFN R/L 2525 M12	25	25	150	28	32	CN.. 1204..	0,750
	PCFN R/L 2525 M16	25	25	150	34	32	CN.. 1606..	0,750
	PCFN R/L 3225 P16	32	25	170	34	32	CN.. 1606..	1,050
	PCFN R/L 3232 P16	32	32	170	34	40	CN.. 1606..	1,300
	PCFN R/L 3225 P19	32	25	170	42	32	CN.. 1906..	1,050
	PCFN R/L 3232 P19	32	32	170	42	40	CN.. 1906..	1,300
	PCFN R/L 4040 S19	40	40	250	45	50	CN.. 1906..	3,050

Ref.							
	PCFN R/L 2525 M12	8012	1608	5003	3612	4112	0012
	PCFN R/L 2525 M16	8016	1618	5003	3616	4115	0015
	PCFN R/L 3225 P16	8016	1618	5003	3616	4115	0015
	PCFN R/L 3232 P16	8016	1618	5003	3616	4115	0015
	PCFN R/L 3225 P19	8019	1610	5004	3619	4119	0019
	PCFN R/L 3232 P19	8019	1610	5004	3619	4119	0019
	PCFN R/L 4040 S19	8019	1610	5004	3619	4119	0019



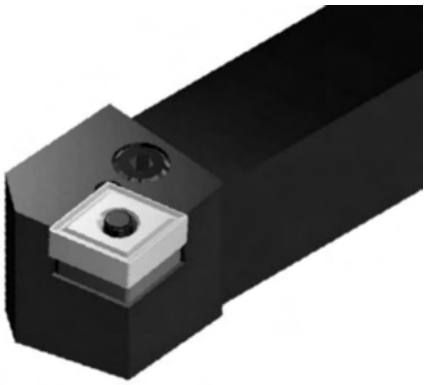
Ref.	CN..	l	s	d
	CN.. 1204..	12,90	4,76	12,70
	CN.. 1606..	16,10	6,35	15,88
	CN.. 1906..	19,30	6,35	19,05

Negative 80° rhombic inserts.

For more information see page: A.18

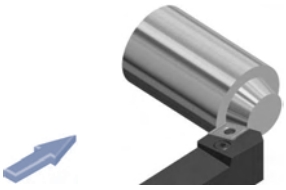
CNMG-CF	CNMG-CM	CNMG-CR	CNMG-CS

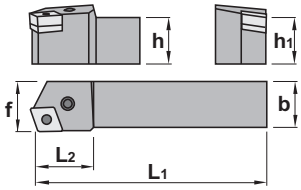
CNGP	CNMA	CNMG-CFM	CNMG-CFC	CNMG-CMC	CNMG-CMF	CNMG-CMR	CNMM



Characteristics:
Toohloder for face turning applications equipped with rhombic negative inserts (angle 80º) and strong cutting edges.
The lever lock ensures good rigidity and chip flow in roughing applications.
Applications:
Face turning toolholder for general applications, roughing, semi-finishing and finishing.

Axial: -6.5º
Radial: -5.5º

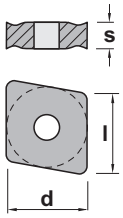




PCKN 75°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	PCKN R/L 2020 K12	20	20	125	28	25	CN.. 1204..	0,400
	PCKN R/L 2525 M12	25	25	150	28	32	CN.. 1204..	0,750
	PCKN R/L 3225 P12	32	25	170	28	32	CN.. 1204..	1,050
	PCKN R/L 3232 P19	32	32	170	34	40	CN.. 1906..	1,300
	PCKN R/L 4040 S19	40	40	250	45	50	CN.. 1906..	3,050
	PCKN R/L 4040 S25	40	40	250	45	50	CN.. 2509..	3,050
	PCKN R/L 5050 T25	50	50	300	45	60	CN.. 2509..	5,850

Ref.							
	PCKN R/L 2020 K12	8012	1608	5003	3612	4112	0012
	PCKN R/L 2525 M12	8012	1608	5003	3612	4112	0012
	PCKN R/L 3225 P12	8012	1608	5003	3612	4112	0012
	PCKN R/L 3232 P19	8019	1610	5004	3619	4119	0019
	PCKN R/L 4040 S19	8019	1610	5004	3619	4119	0019
	PCKN R/L 4040 S25	8025	1612	5005	3625	4125	0025
	PCKN R/L 5050 T25	8025	1612	5005	3625	4125	0025



Ref.	CN..	l	s	d
	CN.. 1204..	12,90	4,76	12,70
	CN.. 1906..	19,30	6,35	19,05
	CN.. 2509..	25,80	9,52	25,40

Negative 80° rhombic inserts.
For more information see page: A.18

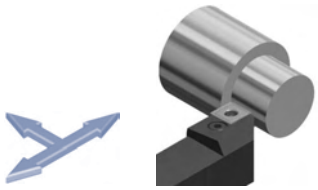
CNMG-CF	CNMG-CM	CNMG-CR	CNMG-CS

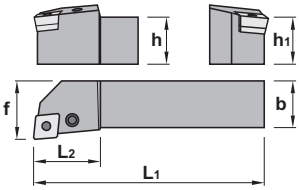
CNGP	CNMA	CNMG-CFM	CNMG-CFC	CNMG-CMC	CNMG-CMF	CNMG-CMR	CNMM

Characteristics:
Multipurpose toolholder equipped with rhombic negative double side insert (angle 80º) with strong cutting edge. The lever lock ensures good rigidity and chip flow in roughing applications.
Applications:
External turning toolholder for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose toolholder Ref. SCLC (Page: B.61).

Axial: -6.5º
Radial: -6.5º

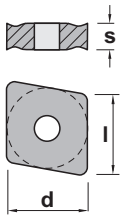




PCLN 95°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	PCLN R/L 1616 H09	16	16	100	25	20	CN.. 0903..	0,250
	PCLN R/L 2020 K09	20	20	125	27	25	CN.. 0903..	0,400
	PCLN R/L 2525 M09	25	25	150	27	32	CN.. 0903..	0,750
	PCLN R/L 1616 H12	16	16	100	26	20	CN.. 1204..	0,250
	PCLN R/L 2020 K12	20	20	125	28	25	CN.. 1204..	0,400
	PCLN R/L 2525 M12	25	25	150	28	32	CN.. 1204..	0,750
	PCLN R/L 3225 P12	32	25	170	28	32	CN.. 1204..	1,050
	PCLN R/L 3232 P12	32	32	170	28	40	CN.. 1204..	1,300
	PCLN R/L 2525 M16	25	25	150	34	32	CN.. 1606..	0,750
	PCLN R/L 3225 P16	32	25	170	34	32	CN.. 1606..	1,050
	PCLN R/L 3232 P16	32	32	170	34	40	CN.. 1606..	1,300
	PCLN R/L 4040 S16	40	40	250	34	50	CN.. 1606..	3,050
	PCLN R/L 2525 M19	25	25	150	42	32	CN.. 1906..	0,750
	PCLN R/L 3225 P19	32	25	170	42	32	CN.. 1906..	1,050
	PCLN R/L 3232 P19	32	32	170	42	40	CN.. 1906..	1,300
	PCLN R/L 4040 S19	40	40	250	45	50	CN.. 1906..	3,050
	PCLN R/L 4040 S25	40	40	250	45	50	CN.. 2509..	3,050
	PCLN R/L 5050 T25	50	50	300	45	60	CN.. 2509..	5,850

Ref.							
	PCLN R/L 1616 H09	8009	1606	5025	3609	4109	0009
	PCLN R/L 2020 K09	8009	1606	5025	3609	4109	0009
	PCLN R/L 2525 M09	8009	1606	5025	3609	4109	0009
	PCLN R/L 1616 H12	8312	1648	5003	3612	4112	0012
	PCLN R/L 2020 K12	8012	1608	5003	3612	4112	0012
	PCLN R/L 2525 M12	8012	1608	5003	3612	4112	0012
	PCLN R/L 3225 P12	8012	1608	5003	3612	4112	0012
	PCLN R/L 3232 P12	8012	1608	5003	3612	4112	0012
	PCLN R/L 2525 M16	8016	1618	5003	3616	4115	0015
	PCLN R/L 3225 P16	8016	1618	5003	3616	4115	0015
	PCLN R/L 3232 P16	8016	1618	5003	3616	4115	0015
	PCLN R/L 4040 S16	8016	1618	5003	3616	4115	0015
	PCLN R/L 2525 M19	8019	1610	5004	3619	4119	0019
	PCLN R/L 3225 P19	8019	1610	5004	3619	4119	0019
	PCLN R/L 3232 P19	8019	1610	5004	3619	4119	0019
	PCLN R/L 4040 S19	8019	1610	5004	3619	4119	0019
	PCLN R/L 4040 S25	8025	1612	5005	3625	4125	0025
	PCLN R/L 5050 T25	8025	1612	5005	3625	4125	0025



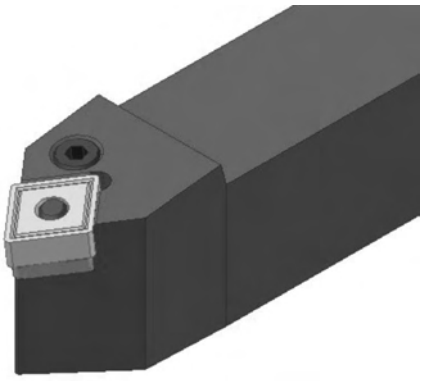
Ref.	CN..	l	s	d
	CN.. 0903..	9,65	3,18	9,52
	CN.. 1204..	12,90	4,76	12,70
	CN.. 1606..	16,10	6,35	15,88
	CN.. 1906..	19,30	6,35	19,05
	CN.. 2509..	25,80	9,52	25,40

Negative 80° rhombic inserts.

For more information see page: A.18

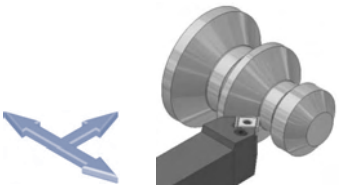
CNMG-CF	CNMG-CM	CNMG-CR	CNMG-CS

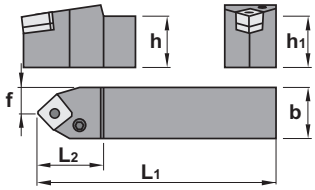
CNGP	CNMA	CNMG-CFM	CNMG-CFC	CNMG-CMC	CNMG-CMF	CNMG-CMR	CNMM



Characteristics:
Profiling toolholder equipped with rhombic negative double side insert (angle 80º) with strong cutting edge. The lever lock ensures good rigidity and chip flow in roughing applications.
Applications:
Profiling turning toolholder for general applications, roughing, semi-finishing and finishing.

Axial: -6º
Radial: 0º

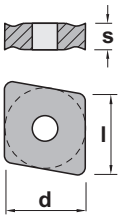




PCMN 50º

		h=h1	b	L1	L2	f	Insert size	Kg
Ref.	**PCMN N 2020 K12**	20	20	125	34	10,0	CN.. 1204..	0,400
	PCMN N 2525 M12	25	25	150	34	12,5	CN.. 1204..	0,750
	PCMN N 3225 P12	32	25	170	34	12,5	CN.. 1204..	1,050
	PCMN N 3232 P19	32	32	170	42	16,0	CN.. 1906..	1,300
	PCMN N 4040 S19	40	40	250	42	20,0	CN.. 1906..	3,050

							
Ref.	**PCMN N 2020 K12**	8012	1608	5003	3612	4112	0012
	PCMN N 2525 M12	8012	1608	5003	3612	4112	0012
	PCMN N 3225 P12	8012	1608	5003	3612	4112	0012
	PCMN N 3232 P19	8019	1610	5004	3619	4119	0019
	PCMN N 4040 S19	8019	1610	5004	3619	4119	0019



	CN..	l	s	d
Ref.	**CN.. 1204..**	12,90	4,76	12,70
	CN.. 1906..	19,30	6,35	19,05

Negative 80° rhombic inserts.

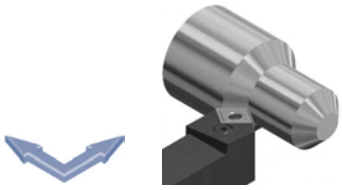
For more information see page: A.18

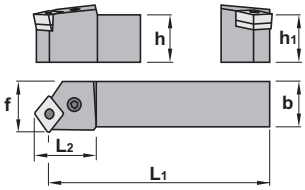
CNMG-CF	CNMG-CM	CNMG-CR	CNMG-CS
			

CNGP	CNMA	CNMG-CFM	CNMG-CFC	CNMG-CMC	CNMG-CMF	CNMG-CMR	CNMM
							

Characteristics:
Toolholder for external turning applications equipped with rhombic negative inserts (angle 80º) and strong cutting edges.
The lever lock ensures good rigidity and chip flow in roughing applications.
Applications:
External turning toolholder for general applications, roughing, semi-finishing and finishing.

Axial: -5.75º
Radial: -5.75º

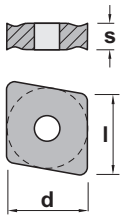




PCSN 45°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	PCSN R/L 2020 K12	20	20	125	28	25	CN.. 1204..	0,400
	PCSN R/L 2525 M12	25	25	150	28	32	CN.. 1204..	0,750
	PCSN R/L 2525 M16	25	25	150	34	32	CN.. 1606..	0,750
	PCSN R/L 3225 P16	32	25	170	34	32	CN.. 1606..	1,050
	PCSN R/L 3232 P16	32	32	170	34	40	CN.. 1606..	1,300
	PCSN R/L 3225 P19	32	25	170	42	32	CN.. 1906..	1,050
	PCSN R/L 3232 P19	32	32	170	42	40	CN.. 1906..	1,300
	PCSN R/L 4040 S19	40	40	250	45	50	CN.. 1906..	3,050

Ref.							
	PCSN R/L 2020 K12	8012	1608	5003	3612	4112	0012
	PCSN R/L 2525 M12	8012	1608	5003	3612	4112	0012
	PCSN R/L 2525 M16	8016	1618	5003	3616	4115	0015
	PCSN R/L 3225 P16	8016	1618	5003	3616	4115	0015
	PCSN R/L 3232 P16	8016	1618	5003	3616	4115	0015
	PCSN R/L 3225 P19	8019	1610	5004	3619	4119	0019
	PCSN R/L 3232 P19	8019	1610	5004	3619	4119	0019
	PCSN R/L 4040 S19	8019	1610	5004	3619	4119	0019



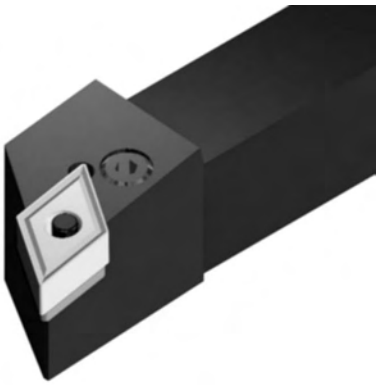
Ref.	CN..	l	s	d
	CN.. 1204..	12,90	4,76	12,70
	CN.. 1606..	16,10	6,35	15,88
	CN.. 1906..	19,30	6,35	19,05

Negative 80° rhombic inserts.

For more information see page: A.18

CNMG-CF	CNMG-CM	CNMG-CR	CNMG-CS
			

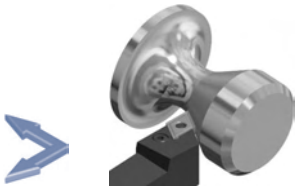
CNGP	CNMA	CNMG-CFM	CNMG-CFC	CNMG-CMC	CNMG-CMF	CNMG-CMR	CNMM
							

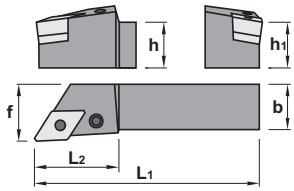


Characteristics:
Turning and profiling toolholder equipped with rhombic negative double side insert (angle 55º) with strong cutting edge.
The lever lock ensures good rigidity and chip flow in roughing applications.
Applications:
External turning toolholder for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose toolholder Ref. SDJC (Page: B.62).

Axial: 6.25º
Radial: -6.75º

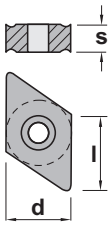




PDJN 93°

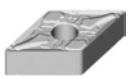
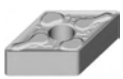
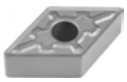
Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	PDJN R/L 1616 H11	16	16	100	28	20	DN.. 1104..	0,250
	PDJN R/L 2020 K11	20	20	125	28	25	DN.. 1104..	0,400
	PDJN R/L 2525 M11	25	25	150	28	32	DN.. 1104..	0,750
	PDJN R/L 3225 P11	32	25	170	28	32	DN.. 1104..	1,050
	PDJN R/L 2020 K15	20	20	125	34	25	DN.. 1506..	0,400
	PDJN R/L 2525 M15	25	25	150	34	32	DN.. 1506..	0,750
	PDJN R/L 3225 P15	32	25	170	34	32	DN.. 1506..	1,050
	PDJN R/L 3232 P15	32	32	170	34	40	DN.. 1506..	1,300
	PDJN R/L 4025 R15	40	25	200	34	32	DN.. 1506..	1,850
	PDJN R/L 5032 S15	50	32	250	34	40	DN.. 1506..	2,900

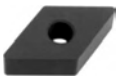
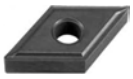
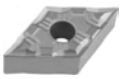
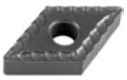
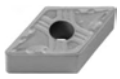
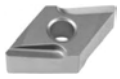
Ref.									
	PDJN R/L 1616 H11	8009	1606	5025	3711	4109	0009	-	-
	PDJN R/L 2020 K11	8009	1606	5025	3711	4109	0009	-	-
	PDJN R/L 2525 M11	8009	1606	5025	3711	4109	0009	-	-
	PDJN R/L 3225 P11	8009	1606	5025	3711	4109	0009	-	-
	PDJN R/L 2020 K15	8415	1638	5003	3715	4112	0012	3725	4135
	PDJN R/L 2525 M15	8415	1638	5003	3715	4112	0012	3725	4135
	PDJN R/L 3225 P15	8415	1638	5003	3715	4112	0012	3725	4135
	PDJN R/L 3232 P15	8415	1638	5003	3715	4112	0012	3725	4135
	PDJN R/L 4025 R15	8415	1638	5003	3715	4112	0012	3725	4135
	PDJN R/L 5032 S15	8415	1638	5003	3715	4112	0012	3725	4135
								For inserts DNM.. 1504	



Ref.	DN..	l	s	d
	DN.. 1104..	11,60	4,76	9,52
	DN.. 1504..	15,50	4,76	12,70
	DN.. 1506..	15,50	6,35	12,70

Negative 55° rhombic inserts.
For more information see page: A.22

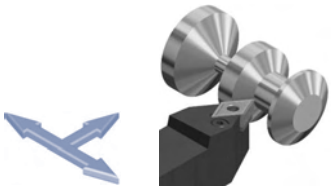
DNMG-CF	DNMG-CM	DNMG-CS	
			

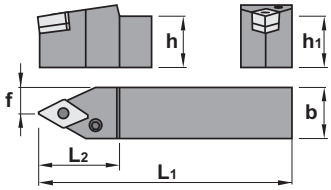
DNGP	DNMA	DNMG-CFC	DNMG-CFM	DNMG-CMC	DNMG-CMF	DNMG-CMR	DNMX
							

Characteristics:
Profiling toolholder equipped with rhombic negative double side insert (angle 55º) with strong cutting edge. The lever lock ensures good rigidity and chip flow in roughing applications.
Applications:
Profiling turning toolholder for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose toolholder Ref. SDNC (Page: B.63).

Axial: -8º
Radial: -2.5º

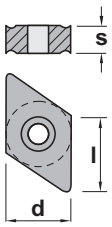




PDNN 63°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	PDNN R/L/N 2020 K15	20	20	125	34	10,0	DN.. 1506..	0,400
	PDNN R/L/N 2525 M15	25	25	150	34	12,5	DN.. 1506..	0,750
	PDNN R/L/N 3225 P15	32	25	170	34	12,5	DN.. 1506..	1,050
	PDNN R/L/N 3232 P15	32	32	170	34	16,0	DN.. 1506..	1,300
	PDNN R/L/N 4025 S15	40	25	250	34	12,5	DN.. 1506..	1,850
	PDNN R/L/N 5032 S15	50	32	250	34	16,0	DN.. 1506..	2,900

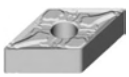
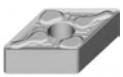
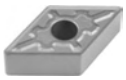
Ref.									
	PDNN R/L/N 2020 K15	8415	1638	5003	3715	4112	0012	3725	4135
	PDNN R/L/N 2525 M15	8415	1638	5003	3715	4112	0012	3725	4135
	PDNN R/L/N 3225 P15	8415	1638	5003	3715	4112	0012	3725	4135
	PDNN R/L/N 3232 P15	8415	1638	5003	3715	4112	0012	3725	4135
	PDNN R/L/N 4025 S15	8415	1638	5003	3715	4112	0012	3725	4135
	PDNN R/L/N 5032 S15	8415	1638	5003	3715	4112	0012	3725	4135
								For inserts DNM.. 1504	

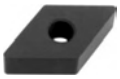
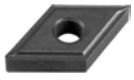
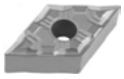
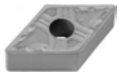


Ref.	DN..	l	s	d
	DN.. 1504..	15,50	4,76	12,70
	DN.. 1506..	15,50	6,35	12,70

Negative 55° rhombic inserts.

For more information see page: A.22

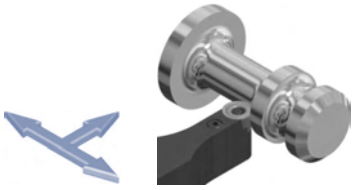
DNMG-CF	DNMG-CM	DNMG-CS	
			

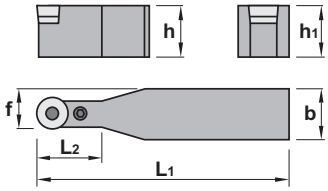
DNGP	DNMA	DNMG-CFC	DNMG-CFM	DNMG-CMC	DNMG-CMF	DNMG-CMR	DNMX
							

Characteristics:
Profiling toolholder equipped with round positive insert with strong cutting edge.
The lever lock ensures good rigidity and chip flow in roughing applications.
Applications:
Profiling turning toolholder for general applications, roughing, semi-finishing and finishing.

For screw type toolholders Ref. SRDCN (Page: B.64).

Axial: 0º
Radial: 0º

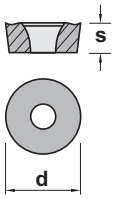




PRDC

	h=h1	b	L1	L2	f	Insert size	Kg
PRDC N 2020 K10	20	20	125	22	15,0	RC.. 1003M0	0,400
PRDC N 2525 M10	25	25	150	22	18,5	RC.. 1003M0	0,750
PRDC N 3225 P10	32	25	170	22	18,5	RC.. 1003M0	1,050
PRDC N 2020 K12	20	20	125	28	16,0	RC.. 1204M0	0,400
PRDC N 2525 M12	25	25	150	28	18,5	RC.. 1204M0	0,750
PRDC N 3225 P12	32	25	170	28	18,5	RC.. 1204M0	1,050
PRDC N 4025 S12	40	25	250	28	18,5	RC.. 1204M0	1,850
PRDC N 3225 P16	32	25	170	34	20,5	RC.. 1606M0	1,050
PRDC N 3232 P16	32	32	170	34	24,0	RC.. 1606M0	1,300
PRDC N 3232 P20	32	32	170	42	26,0	RC.. 2006M0	1,300
PRDC N 4040 S20	40	40	250	42	30,0	RC.. 2006M0	3,050
PRDC N 4040 S25	40	40	250	45	32,5	RC.. 2507M0	3,050
PRDC N 4040 U25	40	40	350	45	32,5	RC.. 2507M0	3,050
PRDC N 5050 U25	50	50	350	45	37,5	RC.. 2507M0	5,850
PRDC N 5050 V32	50	50	400	52	41,0	RC.. 3209M0	5,850

						
PRDC N 2020 K10	8110	1705	5002	3810	4110	0009
PRDC N 2525 M10	8110	1705	5002	3810	4110	0009
PRDC N 3225 P10	8110	1705	5002	3810	4110	0009
PRDC N 2020 K12	8112	1606	5025	3812	4110	0009
PRDC N 2525 M12	8112	1606	5025	3812	4110	0009
PRDC N 3225 P12	8112	1606	5025	3812	4110	0009
PRDC N 4025 S12	8112	1606	5025	3812	4110	0009
PRDC N 3225 P16	8116	1706	5025	3816	4116	0012
PRDC N 3232 P16	8116	1706	5025	3816	4116	0012
PRDC N 3232 P20	8120	1708	5003	3820	4115	0015
PRDC N 4040 S20	8120	1708	5003	3820	4115	0015
PRDC N 4040 S25	8125	1710	5004	3825	4119	0019
PRDC N 4040 U25	8125	1710	5004	3825	4119	0019
PRDC N 5050 U25	8125	1710	5004	3825	4119	0019
PRDC N 5050 V32	8132	1612	5005	3832	4125	0025



Ref.	RC..	s	d
	RC.. 1003M0	3,18	10,00
	RC.. 1204M0	4,76	12,00
	RC.. 1606M0	6,35	16,00
	RC.. 2006M0	6,35	20,00
	RC.. 2507M0	7,94	25,00
	RC.. 3209M0	9,52	32,00

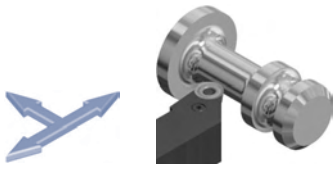
Positive 7° clearance - Round inserts.

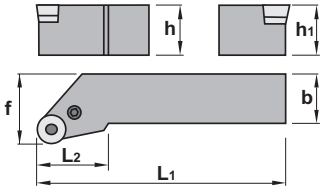
For more information see page: A.25

RCGT-AL	RCGT-AP	RCMT
		

Characteristics:
Profiling multipurpose turning toolholder equipped with round positive insert with strong cutting edge.
The lever lock ensures good rigidity and chip flow in roughing applications.
Applications:
Profiling multipurpose turning toolholder for general applications, roughing, semi-finishing and finishing.

Axial: 0º
Radial: 0º

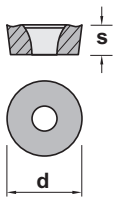




PRSC

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	PRSC R/L 2020 K10	20	20	125	28	25	RC.. 1003M0	0,400
	PRSC R/L 2525 M10	25	25	150	28	32	RC.. 1003M0	0,750
	PRSC R/L 3225 P10	32	25	170	28	32	RC.. 1003M0	1,050
	PRSC R/L 2020 K12	20	20	125	28	25	RC.. 1204M0	0,400
	PRSC R/L 2525 M12	25	25	150	28	32	RC.. 1204M0	0,750
	PRSC R/L 3225 P12	32	25	170	28	32	RC.. 1204M0	1,050
	PRSC R/L 2525 M16	25	25	150	34	32	RC.. 1606M0	0,750
	PRSC R/L 3225 P16	32	25	170	34	32	RC.. 1606M0	1,050
	PRSC R/L 3232 P20	32	32	170	42	40	RC.. 2006M0	1,300
	PRSC R/L 4040 S20	40	40	250	42	50	RC.. 2006M0	3,050
	PRSC R/L 4040 S25	40	40	250	45	50	RC.. 2507M0	3,050
	PRSC R/L 5050 T32	50	50	300	45	63	RC.. 3209M0	5,850

Ref.							
	PRSC R/L 2020 K10	8110	1705	5002	3810	4110	0009
	PRSC R/L 2525 M10	8110	1705	5002	3810	4110	0009
	PRSC R/L 3225 P10	8110	1705	5002	3810	4110	0009
	PRSC R/L 2020 K12	8112	1606	5025	3812	4110	0009
	PRSC R/L 2525 M12	8112	1606	5025	3812	4110	0009
	PRSC R/L 3225 P12	8112	1606	5025	3812	4110	0009
	PRSC R/L 2525 M16	8116	1706	5025	3816	4116	0012
	PRSC R/L 3225 P16	8116	1706	5025	3816	4116	0012
	PRSC R/L 3232 P20	8120	1708	5003	3820	4115	0015
	PRSC R/L 4040 S20	8120	1708	5003	3820	4115	0015
	PRSC R/L 4040 S25	8125	1710	5004	3825	4119	0019
	PRSC R/L 5050 T32	8132	1612	5005	3832	4125	0025



Ref.	RC..	s	d
	RC.. 1003M0	3,18	10,00
	RC.. 1204M0	4,76	12,00
	RC.. 1606M0	6,35	16,00
	RC.. 2006M0	6,35	20,00
	RC.. 2507M0	7,94	25,00
	RC.. 3209M0	9,52	32,00

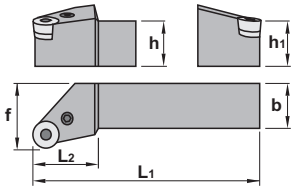
Positive 7° clearance - Round inserts.

For more information see page: A.25

RCGT-AL	RCGT-AP	RCMT
		

Characteristics:
Profiling multipurpose turning toolholder equipped with round negative insert with strong cutting edge. The lever lock ensures good rigidity and chip flow in roughing applications.
Applications:
Profiling multipurpose turning toolholder for general applications, roughing, semi-finishing and finishing.

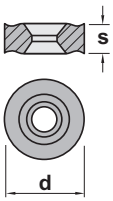
Axial: -6º
Radial: -6º



PRSN

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	PRSN R/L 2020 K09	20	20	125	22	25	RNMG 090300	0,400
	PRSN R/L 2525 M12	25	25	150	28	32	RNMG 120400	0,750
	PRSN R/L 3225 P15	32	25	170	34	32	RNMG 150600	1,050
	PRSN R/L 3232 P19	32	32	170	42	40	RNMG 190600	1,300
	PRSN R/L 4040 S25	40	40	250	45	50	RNMG 250900	3,050

Ref.							
	PRSN R/L 2020 K09	8009	1606	5025	3909	4110	0009
	PRSN R/L 2525 M12	8012	1608	5003	3912	4112	0012
	PRSN R/L 3225 P15	8015	1708	5003	3915	4115	0015
	PRSN R/L 3232 P19	8019	1610	5004	3919	4119	0019
	PRSN R/L 4040 S25	8025	1612	5005	3925	4125	0025

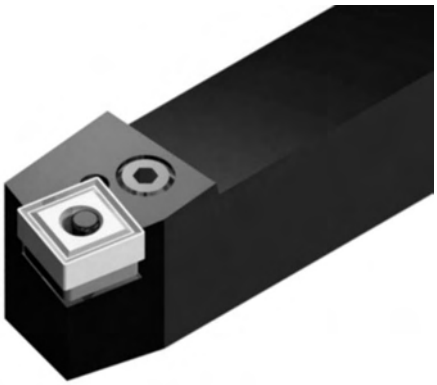


Ref.	RNMG	s	d
	RNMG 090300	3,18	9,52
	RNMG 120400	4,76	12,70
	RNMG 150600	6,35	15,88
	RNMG 190600	6,35	19,05
	RNMG 250900	9,52	25,40

Negative round inserts.

For more information see page: A.26

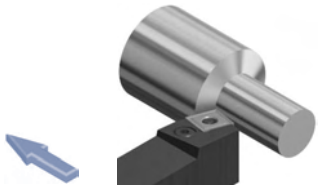
RNMG		
		

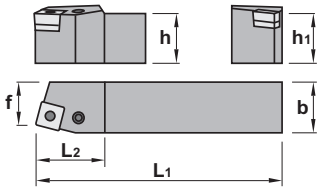


Characteristics:
Toolholder for external turning applications equipped with square negative inserts and strong cutting edges. The lever lock ensures good rigidity and chip flow in roughing applications.
Applications:
External turning toolholder for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose toolholder Ref. CSBP (Page: B.08) or SSBC (Page: B.65).

Axial: -7.25º
Radial: -4.25º

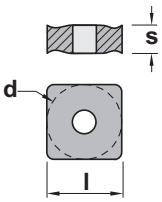




PSBN 75°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	PSBN R/L 1212 F09	12	12	80	18	11	SNM.. 0903..	0,100
	PSBN R/L 1616 H09	16	16	100	22	13	SNM.. 0903..	0,250
	PSBN R/L 2020 K09	20	20	125	22	17	SNM.. 0903..	0,400
	PSBN R/L 2020 K12	20	20	125	28	17	SNM.. 1204..	0,400
	PSBN R/L 2525 M12	25	25	150	28	22	SNM.. 1204..	0,750
	PSBN R/L 3225 P12	32	25	170	28	22	SNM.. 1204..	1,050
	PSBN R/L 2525 M15	25	25	150	34	22	SNM.. 1506..	0,750
	PSBN R/L 3232 P15	32	32	170	34	27	SNM.. 1506..	1,300
	PSBN R/L 3232 P19	32	32	170	42	27	SNM.. 1906..	1,300
	PSBN R/L 4040 S19	40	40	250	45	35	SNM.. 1906..	3,050
	PSBN R/L 4040 S25	40	40	250	45	35	SNM.. 2507..	3,050
	PSBN R/L 5050 T25	50	50	300	45	43	SNM.. 2507..	5,850

Ref.							
	PSBN R/L 1212 F09	8005	1715	5002	-	-	-
	PSBN R/L 1616 H09	8009	1606	5025	3509	4110	0009
	PSBN R/L 2020 K09	8009	1606	5025	3509	4110	0009
	PSBN R/L 2020 K12	8012	1608	5003	3512	4112	0012
	PSBN R/L 2525 M12	8012	1608	5003	3512	4112	0012
	PSBN R/L 3225 P12	8012	1608	5003	3512	4112	0012
	PSBN R/L 2525 M15	8016	1618	5003	3515	4115	0015
	PSBN R/L 3232 P15	8016	1618	5003	3515	4115	0015
	PSBN R/L 3232 P19	8019	1610	5004	3519	4119	0019
	PSBN R/L 4040 S19	8019	1610	5004	3519	4119	0019
	PSBN R/L 4040 S25	8025	1612	5005	3525	4125	0025
	PSBN R/L 5050 T25	8025	1612	5005	3525	4125	0025



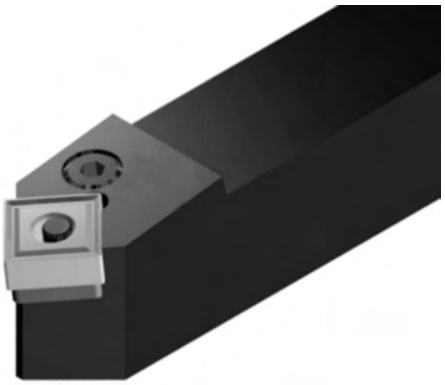
Ref.	SNM..	l	s	d
	SNM.. 0903..	9,52	3,18	9,52
	SNM.. 1204..	12,70	4,76	12,70
	SNM.. 1506..	15,88	6,35	15,88
	SNM.. 1906..	19,05	6,35	19,05
	SNM.. 2507..	25,40	7,94	25,40

Negative square inserts.

For more information see page: A.27

SNMG-CR			
			

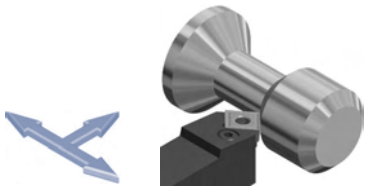
SNMA	SNMG-CFM	SNMG-CMR	SNMM
			

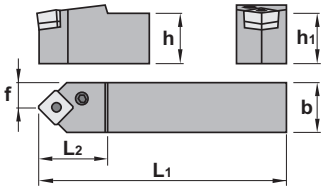


Characteristics:
Toolholder for external turning and chmafering applications equipped with square negative inserts and strong cutting edges. The lever lock ensures good rigidity and chip flow in roughing applications.
Applications:
External turning and chamfering toolholder for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose toolholder Ref. CSDP (Page: B.09) or SSSC (Page: B.67).

Axial: -7º
Radial: 0º





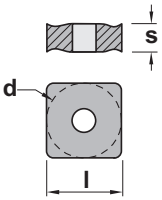
PSDN 45°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	PSDN N 1010 E09	10	10	70	16	5,0	SNM.. 0903..	0,070
	PSDN N 1212 F09	12	12	80	18	6,0	SNM.. 0903..	0,100
	PSDN N 1616 H09	16	16	100	22	8,0	SNM.. 0903..	0,250
	PSDN N 2020 K12	20	20	125	28	10,0	SNM.. 1204..	0,400
	PSDN N 2525 M12	25	25	150	28	12,5	SNM.. 1204..	0,750
	PSDN N 3225 P12	32	25	170	28	12,5	SNM.. 1204..	1,050
	PSDN N 3232 P12	32	32	170	28	16,0	SNM.. 1204..	1,300
	PSDN N 3225 P19	32	25	170	42	12,5	SNM.. 1906..	1,050
	PSDN N 3232 P19	32	32	170	42	16,0	SNM.. 1906..	1,300
	PSDN N 4040 S25	40	40	250	45	20,0	SNM.. 2507..	3,050
	PSDN N 5050 T25	50	50	300	45	25,0	SNM.. 2507..	5,850






Ref.							
	PSDN N 1010 E09	8005	1715	5002	-	-	-
	PSDN N 1212 F09	8005	1715	5002	-	-	-
	PSDN N 1616 H09	8009	1606	5025	3509	4110	0009
	PSDN N 2020 K12	8012	1608	5003	3512	4112	0012
	PSDN N 2525 M12	8012	1608	5003	3512	4112	0012
	PSDN N 3225 P12	8012	1608	5003	3512	4112	0012
	PSDN N 3232 P12	8012	1608	5003	3512	4112	0012
	PSDN N 3225 P19	8019	1610	5004	3519	4119	0019
	PSDN N 3232 P19	8019	1610	5004	3519	4119	0019
	PSDN N 4040 S25	8025	1612	5005	3525	4125	0025
	PSDN N 5050 T25	8025	1612	5005	3525	4125	0025

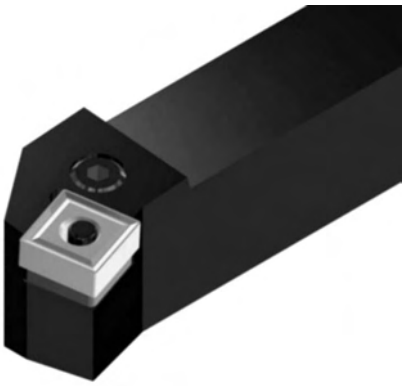


Ref.	SNM..	l	s	d
	SNM.. 0903..	9,52	3,18	9,52
	SNM.. 1204..	12,70	4,76	12,70
	SNM.. 1906..	19,05	6,35	19,05
	SNM.. 2507..	25,40	7,94	25,40

Negative square inserts.
For more information see page: A.27

SNMG-CR			
			

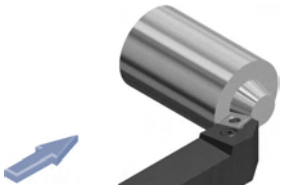
SNMA	SNMG-CFM	SNMG-CMR	SNMM
			

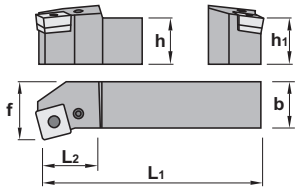


Characteristics:
Toolholder for face turning applications equipped with square negative inserts and strong cutting edges. The lever lock ensures good rigidity and chip flow in roughing applications.
Applications:
Face turning toolholder for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose toolholder Ref. CSKP (Page: B.10).

Axial: -4.25º
Radial: -7.25º

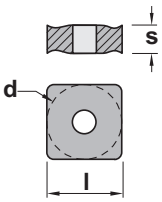




PSKN 75°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	PSKN R/L 1616 H09	16	16	100	22	20	SNM.. 0903..	0,250
	PSKN R/L 2020 K09	20	20	125	22	25	SNM.. 0903..	0,400
	PSKN R/L 2020 K12	20	20	125	28	25	SNM.. 1204..	0,400
	PSKN R/L 2525 M12	25	25	150	28	32	SNM.. 1204..	0,750
	PSKN R/L 3225 P12	32	25	170	28	32	SNM.. 1204..	1,050
	PSKN R/L 2525 M15	25	25	150	34	32	SNM.. 1506..	0,750
	PSKN R/L 3232 P15	32	32	170	34	40	SNM.. 1506..	1,300
	PSKN R/L 3232 P19	32	32	170	42	40	SNM.. 1906..	1,300
	PSKN R/L 4040 S19	40	40	250	45	50	SNM.. 1906..	3,050
	PSKN R/L 4040 S25	40	40	250	45	50	SNM.. 2507..	3,050
	PSKN R/L 5050 T25	50	50	300	45	60	SNM.. 2507..	5,850

Ref.							
	PSKN R/L 1616 H09	8009	1606	5025	3509	4110	0009
	PSKN R/L 2020 K09	8009	1606	5025	3509	4110	0009
	PSKN R/L 2020 K12	8012	1608	5003	3512	4112	0012
	PSKN R/L 2525 M12	8012	1608	5003	3512	4112	0012
	PSKN R/L 3225 P12	8012	1608	5003	3512	4112	0012
	PSKN R/L 2525 M15	8016	1618	5003	3515	4115	0015
	PSKN R/L 3232 P15	8016	1618	5003	3515	4115	0015
	PSKN R/L 3232 P19	8019	1610	5004	3519	4119	0019
	PSKN R/L 4040 S19	8019	1610	5004	3519	4119	0019
	PSKN R/L 4040 S25	8025	1612	5005	3525	4125	0025
	PSKN R/L 5050 T25	8025	1612	5005	3525	4125	0025



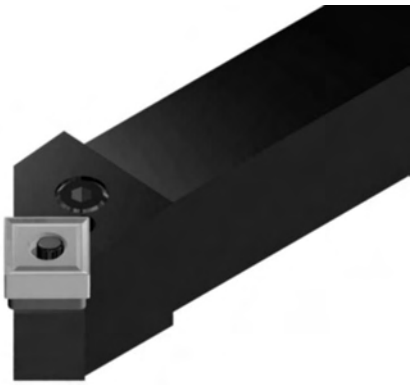
Ref.	SNM..	l	s	d
	SNM.. 0903..	9,52	3,18	9,52
	SNM.. 1204..	12,70	4,76	12,70
	SNM.. 1506..	15,88	6,35	15,88
	SNM.. 1906..	19,05	6,35	19,05
	SNM.. 2507..	25,40	7,94	25,40

Negative square inserts.

For more information see page: A.27

SNMG-CR			
			

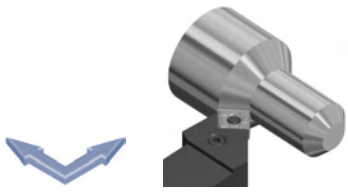
SNMA	SNMG-CFM	SNMG-CMR	SNMM
			

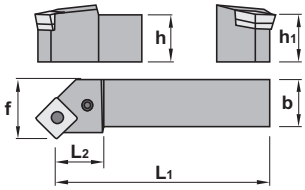


Characteristics:
Toolholder for external turning and chamfering applications equipped with square negative inserts and strong cutting edges.
The lever lock ensures good rigidity and chip flow in roughing applications.
Applications:
External turning and chamfering toolholder for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose toolholder Ref. CSSP (Page: B.11) or SSSC (Page: B.67).

Axial: -5.75º
Radial: -5.75º

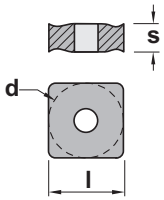




PSSN 45°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	PSSN R/L 1616 H09	16	16	100	22	20	SNM.. 0903..	0,250
	PSSN R/L 2020 K09	20	20	125	22	25	SNM.. 0903..	0,400
	PSSN R/L 2020 K12	20	20	125	28	25	SNM.. 1204..	0,400
	PSSN R/L 2525 M12	25	25	150	28	32	SNM.. 1204..	0,750
	PSSN R/L 3225 P12	32	25	170	28	32	SNM.. 1204..	1,050
	PSSN R/L 2525 M15	25	25	150	34	32	SNM.. 1506..	0,750
	PSSN R/L 3232 P15	32	32	170	34	40	SNM.. 1506..	1,300
	PSSN R/L 3232 P19	32	32	170	42	40	SNM.. 1906..	1,300
	PSSN R/L 4040 S19	40	40	250	45	50	SNM.. 1906..	3,050
	PSSN R/L 5050 T19	50	50	300	45	60	SNM.. 1906..	5,850
	PSSN R/L 4040 S25	40	40	250	45	50	SNM.. 2507..	3,050
	PSSN R/L 5050 T25	50	50	300	45	60	SNM.. 2507..	5,850

Ref.							
	PSSN R/L 1616 H09	8009	1606	5025	3509	4110	0009
	PSSN R/L 2020 K09	8009	1606	5025	3509	4110	0009
	PSSN R/L 2020 K12	8012	1608	5003	3512	4112	0012
	PSSN R/L 2525 M12	8012	1608	5003	3512	4112	0012
	PSSN R/L 3225 P12	8012	1608	5003	3512	4112	0012
	PSSN R/L 2525 M15	8016	1618	5003	3515	4115	0015
	PSSN R/L 3232 P15	8016	1618	5003	3515	4115	0015
	PSSN R/L 3232 P19	8019	1610	5004	3519	4119	0019
	PSSN R/L 4040 S19	8019	1610	5004	3519	4119	0019
	PSSN R/L 5050 T19	8019	1610	5004	3519	4119	0019
	PSSN R/L 4040 S25	8025	1612	5005	3525	4125	0025
	PSSN R/L 5050 T25	8025	1612	5005	3525	4125	0025

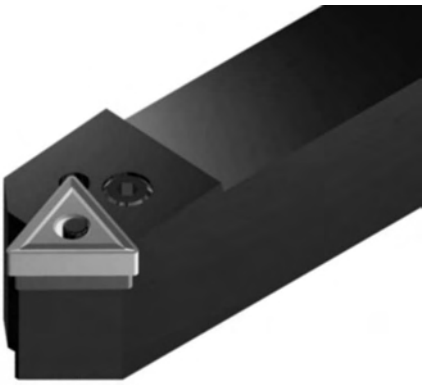


Ref.	SNM..	l	s	d
	SNM.. 0903..	9,52	3,18	9,52
	SNM.. 1204..	12,70	4,76	12,70
	SNM.. 1506..	15,88	6,35	15,88
	SNM.. 1906..	19,05	6,35	19,05
	SNM.. 2507..	25,40	7,94	25,40

Negative square inserts.
For more information see page: A.27

SNMG-CR			
			

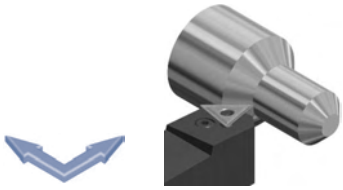
SNMA	SNMG-CFM	SNMG-CMR	SNMM
			

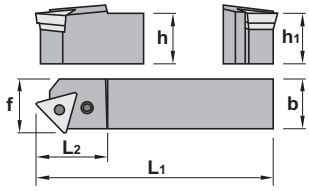


Characteristics:
Toolholder for external turning and chamfering applications equipped with triangular negative inserts and strong cutting edges.
The lever lock ensures good rigidity and chip flow in roughing applications.
Applications:
External turning and chamfering toolholder for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose toolholder Ref. CTDP (Page: B.16).

Axial: -5º
Radial: -5º

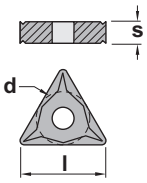




PTDN 45°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	PTDN R/L 2525 M22	25	25	150	34	27	TNM.. 2204..	0,750
	PTDN R/L 3225 P22	32	25	170	34	27	TNM.. 2204..	1,050

Ref.							
	PTDN R/L 2525 M22	8012	1608	5003	3422	4112	0012
	PTDN R/L 3225 P22	8012	1608	5003	3422	4112	0012



TNM..	l	s	d
Ref. TNM.. 2204..	22,00	4,76	12,70

Negative triangular inserts.

For more information see page: A.29

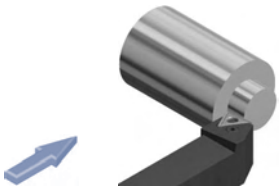
TNMG-CM			
			

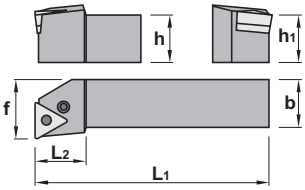
TNMA	TNMG-CFM	TNMG-CMF	TNMG-CMR
			

Characteristics:
Toolholder for face turning applications equipped with triangular negative inserts and strong cutting edges. The lever lock ensures good rigidity and chip flow in roughing applications.
Applications:
Face turning toolholder for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose toolholder Ref. CTFP (Page: B.17) or STFC (Page: B.69).

Axial: -6º
Radial: -6º

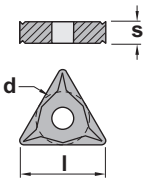




PTFN 90°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	PTFN R/L 1616 H16	16	16	100	22	20	TNM.. 1604..	0,250
	PTFN R/L 2020 K16	20	20	125	22	25	TNM.. 1604..	0,400
	PTFN R/L 2525 M16	25	25	150	22	32	TNM.. 1604..	0,750
	PTFN R/L 3225 P16	32	25	170	22	32	TNM.. 1604..	1,050
	PTFN R/L 2525 M22	25	25	150	28	32	TNM.. 2204..	0,750
	PTFN R/L 3225 P22	32	25	170	28	32	TNM.. 2204..	1,050
	PTFN R/L 3232 P22	32	32	170	28	40	TNM.. 2204..	1,300
	PTFN R/L 3232 P27	32	32	170	42	40	TNM.. 2706..	1,300
	PTFN R/L 4040 S27	40	40	250	45	50	TNM.. 2706..	3,050

Ref.							
	PTFN R/L 1616 H16	8009	1606	5025	3416	4109	0009
	PTFN R/L 2020 K16	8009	1606	5025	3416	4109	0009
	PTFN R/L 2525 M16	8009	1606	5025	3416	4109	0009
	PTFN R/L 3225 P16	8009	1606	5025	3416	4109	0009
	PTFN R/L 2525 M22	8012	1608	5003	3422	4112	0012
	PTFN R/L 3225 P22	8012	1608	5003	3422	4112	0012
	PTFN R/L 3232 P22	8012	1608	5003	3422	4112	0012
	PTFN R/L 3232 P27	8015	1708	5003	3427	4115	0015
	PTFN R/L 4040 S27	8015	1708	5003	3427	4115	0015



Ref.	TNM..	l	s	d
	TNM.. 1604..	16,50	4,76	9,52
	TNM.. 2204..	22,00	4,76	12,70
	TNM.. 2706..	27,50	6,35	15,88

Negative triangular inserts.

For more information see page: A.29

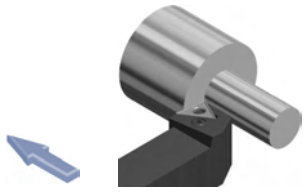
TNMG-CF	TNMG-CM	TNMG-CS	
			

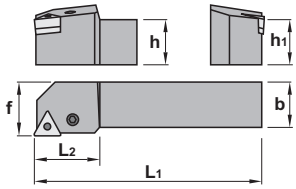
TNMA	TNMG-CFC	TNMG-CFM	TNMG-CMC	TNMG-CMF	TNMG-CMR	TNMX-R	TNMX-L
							

Characteristics:
Toolholder for external turning applications equipped with triangular negative inserts and strong cutting edges. The lever lock ensures good rigidity and chip flow in roughing applications.
Applications:
External turning toolholder for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose toolholder Ref. CTGP (Page: B.18) or STGC (Page: B.71).

Axial: -6º
Radial: -6º

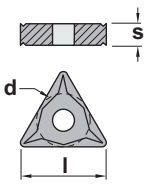




PTGN 90°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	PTGN R/L 1616 H16	16	16	100	22	20	TNM.. 1604..	0,250
	PTGN R/L 2020 K16	20	20	125	22	25	TNM.. 1604..	0,400
	PTGN R/L 2525 M16	25	25	150	22	32	TNM.. 1604..	0,750
	PTGN R/L 3225 P16	32	25	170	22	32	TNM.. 1604..	1,050
	PTGN R/L 2525 M22	25	25	150	28	32	TNM.. 2204..	0,750
	PTGN R/L 3225 P22	32	25	170	28	32	TNM.. 2204..	1,050
	PTGN R/L 3232 P22	32	32	170	28	40	TNM.. 2204..	1,300
	PTGN R/L 4040 S22	40	40	250	34	50	TNM.. 2204..	3,050
	PTGN R/L 3232 P27	32	32	170	42	40	TNM.. 2706..	1,300
	PTGN R/L 4040 S27	40	40	250	45	50	TNM.. 2706..	3,050
	PTGN R/L 5050 T33	50	50	300	45	60	TNM.. 3307..	5,850

Ref.							
	PTGN R/L 1616 H16	8009	1606	5025	3416	4109	0009
	PTGN R/L 2020 K16	8009	1606	5025	3416	4109	0009
	PTGN R/L 2525 M16	8009	1606	5025	3416	4109	0009
	PTGN R/L 3225 P16	8009	1606	5025	3416	4109	0009
	PTGN R/L 2525 M22	8012	1608	5003	3422	4112	0012
	PTGN R/L 3225 P22	8012	1608	5003	3422	4112	0012
	PTGN R/L 3232 P22	8012	1608	5003	3422	4112	0012
	PTGN R/L 4040 S22	8012	1608	5003	3422	4112	0012
	PTGN R/L 3232 P27	8015	1708	5003	3427	4115	0015
	PTGN R/L 4040 S27	8015	1708	5003	3427	4115	0015
	PTGN R/L 5050 T33	8019	1610	5004	3433	4133	0019



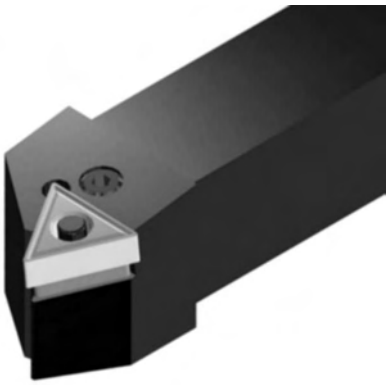
Ref.	TNM..	l	s	d
	TNM.. 1604..	16,50	4,76	9,52
	TNM.. 2204..	22,00	4,76	12,70
	TNM.. 2706..	27,50	6,35	15,88
	TNM.. 3307..	33,00	7,93	19,05

Negative triangular inserts.

For more information see page: A.29

TNMG-CF	TNMG-CM	TNMG-CS	
			

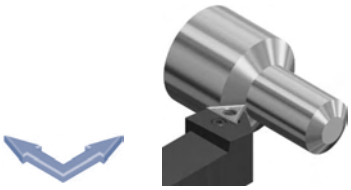
TNMA	TNMG-CFC	TNMG-CFM	TNMG-CMC	TNMG-CMF	TNMG-CMR	TNMX-R	TNMX-L
							

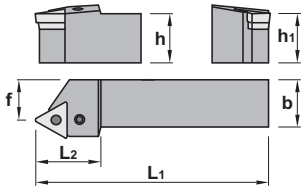


Characteristics:
Toolholder for external turning and chamfering applications equipped with triangular negative inserts and strong cutting edges.
The lever lock ensures good rigidity and chip flow in roughing applications.
Applications:
External turning and chamfering toolholder for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose toolholder Ref. CTTP (Page: B.19) or STTC (Page: B.73).

Axial: -8º
Radial: -2.25º

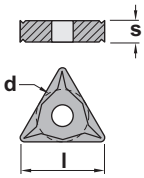




PTTN 60°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	PTTN R/L 1616 H16	16	16	100	25	13	TNM.. 1604..	0,250
	PTTN R/L 2020 K16	20	20	125	28	17	TNM.. 1604..	0,400
	PTTN R/L 2525 M16	25	25	150	28	22	TNM.. 1604..	0,750
	PTTN R/L 2525 M22	25	25	150	34	22	TNM.. 2204..	0,750
	PTTN R/L 3225 P22	32	25	170	34	22	TNM.. 2204..	1,050

Ref.							
	PTTN R/L 1616 H16	8009	1606	5025	3416	4109	0009
	PTTN R/L 2020 K16	8009	1606	5025	3416	4109	0009
	PTTN R/L 2525 M16	8009	1606	5025	3416	4109	0009
	PTTN R/L 2525 M22	8012	1608	5003	3422	4112	0012
	PTTN R/L 3225 P22	8012	1608	5003	3422	4112	0012



Ref.	TNM..	l	s	d
	TNM.. 1604..	16,50	4,76	9,52
	TNM.. 2204..	22,00	4,76	12,70

Negative triangular inserts.

For more information see page: A.29

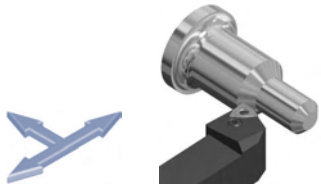
TNMG-CF	TNMG-CM	TNMG-CS	
			

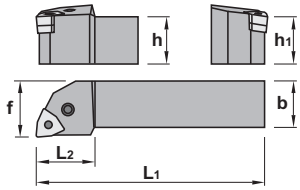
TNMA	TNMG-CFC	TNMG-CFM	TNMG-CMC	TNMG-CMF	TNMG-CMR	TNMX-R	TNMX-L
							

Characteristics:
Multipurpose toolholder equipped with trigon negative double side insert (angle 80º) with strong cutting edge. The lever lock ensures good rigidity and chip flow in roughing applications.
Applications:
External turning toolholder for general applications, roughing, semi-finishing and finishing.

Top clamp toolholder Ref. MWLN (Page: B.38) or MWLN-K (Page: B.39).

Axial: -6º
Radial: -6º

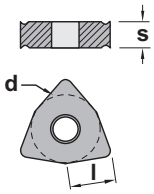




PWLN 95°

		h=h1	b	L1	L2	f	Insert size	Kg
Ref.	PWLN R/L 1616 H06	16	16	100	15	20	WNM.. 0604..	0,250
	PWLN R/L 2020 K06	20	20	125	25	25	WNM.. 0604..	0,400
	PWLN R/L 2525 M06	25	25	150	25	32	WNM.. 0604..	0,750
	PWLN R/L 2020 K08	20	20	125	34	25	WNM.. 0804..	0,400
	PWLN R/L 2525 M08	25	25	150	34	32	WNM.. 0804..	0,750
	PWLN R/L 3225 P08	32	25	170	34	32	WNM.. 0804..	1,050
	PWLN R/L 3232 P08	32	32	170	34	40	WNM.. 0804..	1,300

Ref.	PWLN R/L 1616 H06	8009	1606	5025	3007	4109	0009
	PWLN R/L 2020 K06	8009	1606	5025	3007	4109	0009
	PWLN R/L 2525 M06	8009	1606	5025	3007	4109	0009
	PWLN R/L 2020 K08	8012	1608	5003	3008	4112	0012
	PWLN R/L 2525 M08	8012	1608	5003	3008	4112	0012
	PWLN R/L 3225 P08	8012	1608	5003	3008	4112	0012
	PWLN R/L 3232 P08	8012	1608	5003	3008	4112	0012



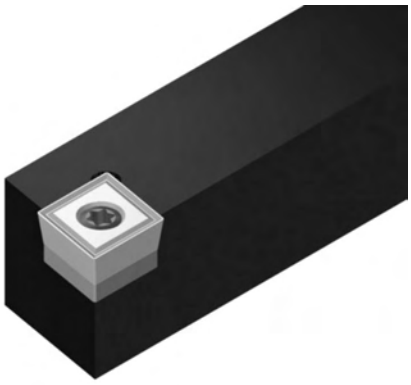
	WNM..	l	s	d
Ref.	WNM.. 0604..	6,45	4,76	9,52
	WNM.. 0804..	8,14	4,76	12,70

Negative 80° trigon inserts.

For more information see page: A.34

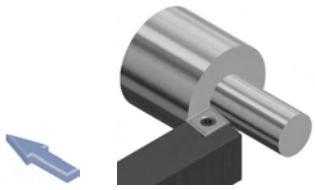
WNMG-CF	WNMG-CM	WNMG-CS	
			

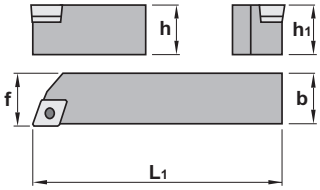
WNMA	WNMG-CFM	WNMG-CMC	WNMG-CMF	WNMG-CMR			
							



Characteristics:
Toolholder for external turning applications equipped with rhombic positive inserts (angle 80º).
The center screw ensures good rigidity and chip flow.
Applications:
External turning toolholder for all kind of materials.
The workpiece should be stable.

Axial: 0º
Radial: 0º

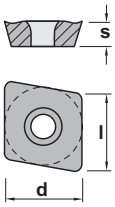




SCAC 90°

Ref.		h=h1	b	L1	f	Insert size	Kg
	SCAC R/L 0808 D06	8	8	60	8,5	CC.. 0602..	0,050
	SCAC R/L 1010 E06	10	10	70	10,5	CC.. 0602..	0,070
	SCAC R/L 1212 F09	12	12	80	12,5	CC.. 09T3..	0,100
	SCAC R/L 1616 H09	16	16	100	16,5	CC.. 09T3..	0,200
	SCAC R/L 2020 K12	20	20	125	20,5	CC.. 1204..	0,400
	SCAC R/L 2525 M12	25	25	150	25,5	CC.. 1204..	0,700

Ref.					
	SCAC R/L 0808 D06	1225	5507	-	-
	SCAC R/L 1010 E06	1225	5507	-	-
	SCAC R/L 1212 F09	1240	5515	-	-
	SCAC R/L 1616 H09	1240	5515	-	-
	SCAC R/L 2020 K12	1540	5517	3614	1760
	SCAC R/L 2525 M12	1540	5517	3614	1760

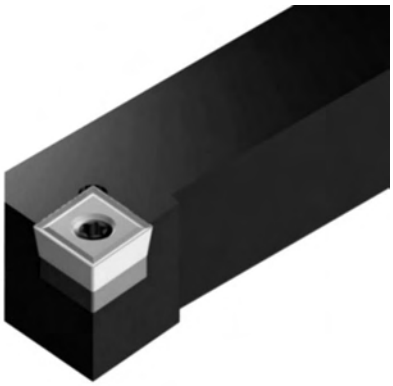


Ref.	CC..	l	s	d
	CC.. 0602..	6,45	2,38	6,35
	CC.. 09T3..	9,65	3,97	9,52
	CC.. 1204..	12,90	4,76	12,70

Positive 7° clearance - 80° rhombic inserts.

For more information see page: A.18

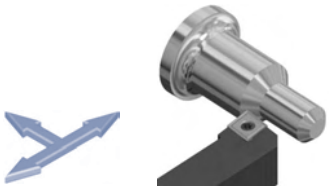
CCGT-AL	CCGT-AP	CCMT-03	CCMW			
						

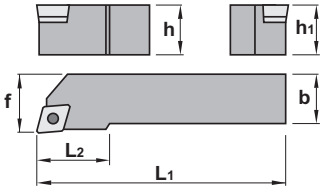


Characteristics:
Multipurpose toolholder equipped with rhombic positive insert (angle 80º).
The center screw ensures good rigidity and chip flow.
Applications:
External turning toolholder for general applications, roughing, semi-finishing and finishing.

Negative inserts toolholders Ref. MCLN-K (Page: B.27) or MCLN (Page: B.26) or PCLN (Page: B.43).

Axial: 0º
Radial: 0º

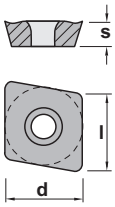




SCLC 95°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	SCLC R/L 0808 D06	8	8	60	10	10	CC.. 0602..	0,050
	SCLC R/L 1010 E06	10	10	70	10	12	CC.. 0602..	0,070
	SCLC R/L 1212 F09	12	12	80	16	16	CC.. 09T3..	0,100
	SCLC R/L 1616 H09	16	16	100	16	20	CC.. 09T3..	0,200
	SCLC R/L 2020 K09	20	20	125	16	25	CC.. 09T3..	0,400
	SCLC R/L 2020 K12	20	20	125	25	25	CC.. 1204..	0,400
	SCLC R/L 2525 M12	25	25	150	25	32	CC.. 1204..	0,700

Ref.					
	SCLC R/L 0808 D06	1225	5507	-	-
	SCLC R/L 1010 E06	1225	5507	-	-
	SCLC R/L 1212 F09	1240	5515	-	-
	SCLC R/L 1616 H09	1240	5515	-	-
	SCLC R/L 2020 K09	1240	5515	-	-
	SCLC R/L 2020 K12	1540	5517	3614	1760
	SCLC R/L 2525 M12	1540	5517	3614	1760



Ref.	CC..	l	s	d
	CC.. 0602..	6,45	2,38	6,35
	CC.. 09T3..	9,65	3,97	9,52
	CC.. 1204..	12,90	4,76	12,70

Positive 7° clearance - 80° rhombic inserts.

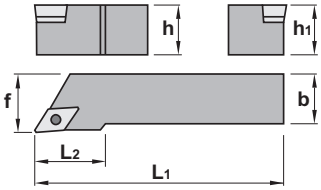
For more information see page: A.18

CCGT-AL	CCGT-AP	CCMT-03	CCMW			
						

Characteristics:
Multipurpose profiling toolholder equipped with rhombic positive insert (angle 55º).
The center screw ensures good rigidity and chip flow.
Applications:
External turning and profiling toolholder for general applications, roughing, semi-finishing and finishing.

Negative inserts toolholders Ref. MDJN-K (Page: B.28) or PDJN (Page: B.46).

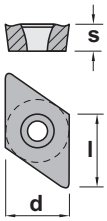
Axial: 0º
Radial: 0º



SDJC 93°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	SDJC R/L 1010 E07	10	10	70	16	12	DC.. 0702..	0,070
	SDJC R/L 1212 F07	12	12	80	18	16	DC.. 0702..	0,100
	SDJC R/L 1212 F11	12	12	80	18	16	DC.. 11T3..	0,100
	SDJC R/L 1616 H11	16	16	100	22	20	DC.. 11T3..	0,200
	SDJC R/L 2020 K11	20	20	125	22	25	DC.. 11T3..	0,400
	SDJC R/L 2525 M11	25	25	150	22	32	DC.. 11T3..	0,700

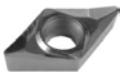
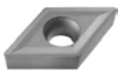
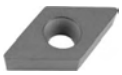
Ref.					
	SDJC R/L 1010 E07	1225	5507	-	-
	SDJC R/L 1212 F07	1225	5507	-	-
	SDJC R/L 1212 F11	1240	5515	-	-
	SDJC R/L 1616 H11	1335	5516	3714	1750
	SDJC R/L 2020 K11	1335	5516	3714	1750
	SDJC R/L 2525 M11	1335	5516	3714	1750



Ref.	DC..	l	s	d
	DC.. 0702..	7,75	2,38	6,35
	DC.. 11T3..	11,60	3,97	9,52

Positive 7° clearance - 55° rhombic inserts.

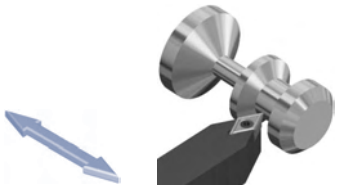
For more information see page: A.21

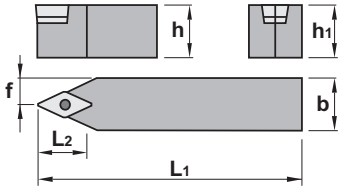
DCGT-AL	DCGT-AP	DCMT-03	DCMW			
						

Characteristics:
Multipurpose profiling toolholder equipped with rhombic positive insert (angle 55º).
The center screw ensures good rigidity and chip flow.
Applications:
External turning and profiling toolholder for general applications, roughing, semi-finishing and finishing.

Negative inserts toolholders Ref. PDNN (Page: B.47).

Axial: 0º
Radial: 0º

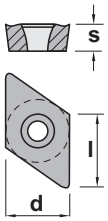




SDNC 62°30'

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	SDNC N 0808 D07	8	8	60	16	4,0	DC.. 0702..	0,050
	SDNC N 1010 E07	10	10	70	16	5,0	DC.. 0702..	0,070
	SDNC N 1212 F07	12	12	80	18	6,0	DC.. 0702..	0,100
	SDNC N 1616 H11	16	16	100	22	8,0	DC.. 11T3..	0,200
	SDNC N 2020 K11	20	20	125	22	10,0	DC.. 11T3..	0,400
	SDNC N 2525 M11	25	25	150	22	12,5	DC.. 11T3..	0,700

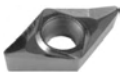
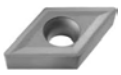
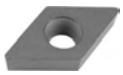
Ref.					
	SDNC N 0808 D07	1225	5507	-	-
	SDNC N 1010 E07	1225	5507	-	-
	SDNC N 1212 F07	1225	5507		
				-	-
	SDNC N 1616 H11	1335	5516	3714	1750
	SDNC N 2020 K11	1335	5516	3714	1750
	SDNC N 2525 M11	1335	5516	3714	1750



Ref.	DC..	l	s	d
	DC.. 0702..	7,75	2,38	6,35
	DC.. 11T3..	11,60	3,97	9,52

Positive 7° clearance - 55° rhombic inserts.

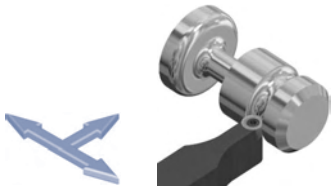
For more information see page: A.21

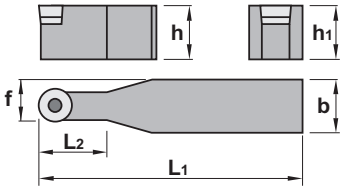
DCGT-AL	DCGT-AP	DCMT-03	DCMW			
						

Characteristics:
Profiling toolholder equipped with round positive insert with strong cutting edge.
The center screw ensures good rigidity and chip flow.
Applications:
Profiling turning toolholder for general applications, roughing, semi-finishing and finishing.

For lever lock toolholders Ref. PRDC (Page: B.48).

Axial: 0º
Radial: 0º

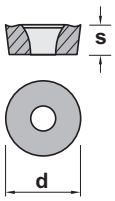




SRDC

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	SRDC N 1010 E06	10	10	70	10	8,0	RC.. 0602M0	0,070
	SRDC N 1212 F06	12	12	80	12	11,0	RC.. 0602M0	0,100
	SRDC N 1616 H06	16	16	100	16	13,0	RC.. 0602M0	0,200
	SRDC N 2020 K06	20	20	125	20	15,0	RC.. 0602M0	0,400
	SRDC N 2525 M06	25	25	150	25	17,5	RC.. 0602M0	0,700
	SRDC N 1616 H08	16	16	100	16	13,0	RC.. 0803M0	0,200
	SRDC N 2020 K08	20	20	125	20	15,0	RC.. 0803M0	0,400
	SRDC N 2525 M08	25	25	150	25	17,5	RC.. 0803M0	0,700
	SRDC N 2020 K10	20	20	125	22	15,0	RC.. 10T3M0	0,400
	SRDC N 2525 M10	25	25	150	22	17,5	RC.. 10T3M0	0,700
	SRDC N 2020 K12	20	20	125	28	16,0	RC.. 1204M0	0,400
	SRDC N 2525 M12	25	25	150	28	18,5	RC.. 1204M0	0,700
	SRDC N 3225 P12	32	25	170	28	18,5	RC.. 1204M0	0,900
	SRDC N 3232 P12	32	32	170	28	22,0	RC.. 1204M0	1,200

Ref.					
	SRDC N 1010 E06	1225	5507	-	-
	SRDC N 1212 F06	1225	5507	-	-
	SRDC N 1616 H06	1225	5507	-	-
	SRDC N 2020 K06	1225	5507	-	-
	SRDC N 2525 M06	1225	5507	-	-
	SRDC N 1616 H08	1230	5508	-	-
	SRDC N 2020 K08	1230	5508	-	-
	SRDC N 2525 M08	1230	5508	-	-
	SRDC N 2020 K10	1335	5516	3811	1750
	SRDC N 2525 M10	1335	5516	3811	1750
	SRDC N 2020 K12	1335	5516	3814	1750
	SRDC N 2525 M12	1335	5516	3814	1750
	SRDC N 3225 P12	1335	5516	3814	1750
	SRDC N 3232 P12	1335	5516	3814	1750

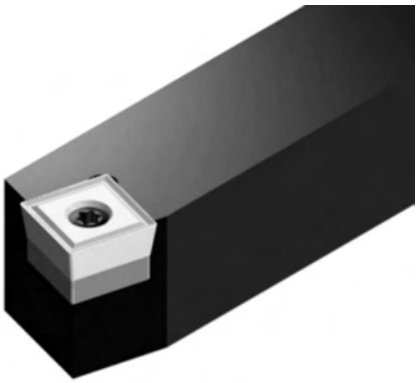


Ref.	RC..	s	d
	RC.. 0602M0	2,38	6,00
	RC.. 0803M0	3,18	8,00
	RC.. 10T3M0	3,97	10,00
	RC.. 1204M0	4,76	12,00

Positive 7° clearance - Round inserts.

For more information see page: A.25

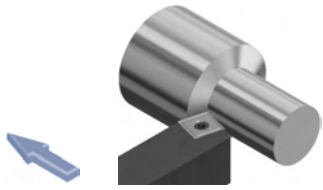
RCGT-AL	RCGT-AP	RCMT				
						

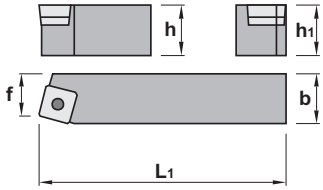


Characteristics:
Toolholder for external turning applications equipped with square positive inserts.
The center screw ensures good rigidity and chip flow.
Applications:
External turning toolholder for all kind of materials. The workpiece should be stable.

Negative inserts toolholders Ref. PSBN (Page: B.51).

Axial: 0º
Radial: 0º

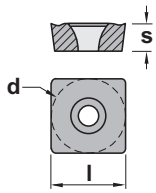




SSBC 75°

Ref.		h=h1	b	L1	f	Insert size	Kg
	SSBC R/L 1212 F09	12	12	80	11	SC.. 09T3..	0,100
	SSBC R/L 1616 H09	16	16	100	13	SC.. 09T3..	0,200
	SSBC R/L 2020 K12	20	20	125	17	SC.. 1204..	0,400
	SSBC R/L 2525 M12	25	25	150	22	SC.. 1204..	0,700

Ref.					
	SSBC R/L 1212 F09	1240	5515	-	-
	SSBC R/L 1616 H09	1240	5515	-	-
	SSBC R/L 2020 K12	1540	5517	3514	1760
	SSBC R/L 2525 M12	1540	5517	3514	1760

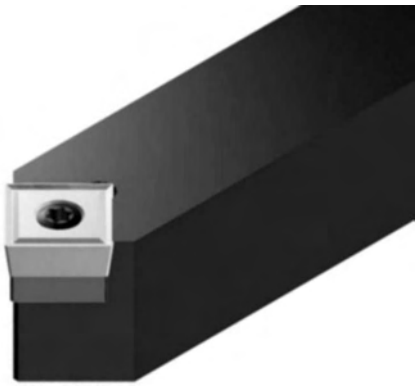


Ref.	SC..	l	s	d
	SC.. 09T3..	9,52	3,97	9,52
	SC.. 1204..	12,70	4,76	12,70

Positive 7° clearance - Square inserts.

For more information see page: A.26

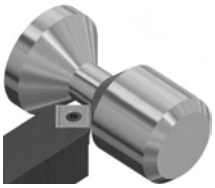
SCGT-AL	SCMT-03	SCMT-39	SCMW			
						

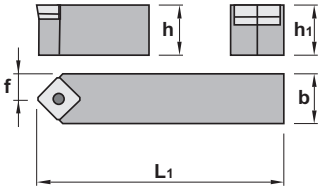


Characteristics:
Toolholder for external turning and chamfering applications equipped with square positive inserts.
The center screw ensures good rigidity and chip flow.
Applications:
External turning and chamfering toolholder for all kind of materials.
The workpiece should be stable.

Negative inserts toolholders Ref. PSDNN (Page: B.52).

Axial: 0º
Radial: 0º

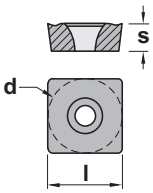




SSDC 45°

		h=h1	b	L1	f	Insert size	Kg
Ref.	**SSDC N 1212 F09**	12	12	80	6,0	SC.. 09T3..	0,100
	SSDC N 1616 H09	16	16	100	8,0	SC.. 09T3..	0,200
	SSDC N 2020 K12	20	20	125	10,0	SC.. 1204..	0,400
	SSDC N 2525 M12	25	25	150	12,5	SC.. 1204..	0,700

					
Ref.	**SSDC N 1212 F09**	1240	5515	-	-
	SSDC N 1616 H09	1240	5515	-	-
	SSDC N 2020 K12	1540	5517	3514	1760
	SSDC N 2525 M12	1540	5517	3514	1760



	SC..	l	s	d
Ref.	**SC.. 09T3..**	9,52	3,97	9,52
	SC.. 1204..	12,70	4,76	12,70

Positive 7° clearance - Square inserts.

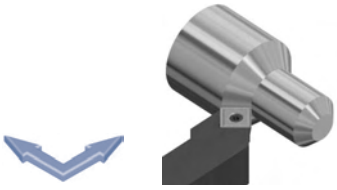
For more information see page: A.26

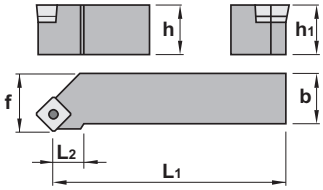
SCGT-AL	SCMT-03	SCMT-39	SCMW			
						

Characteristics:
Toolholder for external turning and chamfering applications equipped with square positive inserts.
The center screw ensures good rigidity and chip flow.
Applications:
External turning and chamfering toolholder for all kind of materials.
The workpiece should be stable.

Negative inserts toolholders Ref. PSSN (Page: B.54).

Axial: 0º
Radial: 0º

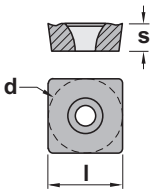




SSSC 45°

		h=h1	b	L1	L2	f	Insert size	Kg
Ref.	SSSC R/L 1212 F09	12	12	80	11	16	SC.. 09T3..	0,100
	SSSC R/L 1616 H09	16	16	100	22	20	SC.. 09T3..	0,200
	SSSC R/L 2020 K12	20	20	125	22	25	SC.. 1204..	0,400
	SSSC R/L 2525 M12	25	25	150	22	32	SC.. 1204..	0,700

					
Ref.	SSSC R/L 1212 F09	1240	5515	-	-
	SSSC R/L 1616 H09	1240	5515	-	-
	SSSC R/L 2020 K12	1540	5517	3514	1760
	SSSC R/L 2525 M12	1540	5517	3514	1760



	SC..	l	s	d
Ref.	SC.. 09T3..	9,52	3,97	9,52
	SC.. 1204..	12,70	4,76	12,70

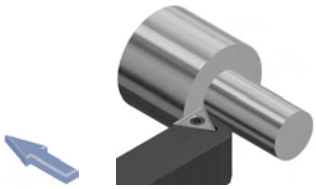
Positive 7° clearance - Square inserts.

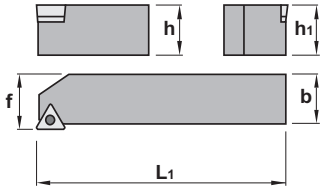
For more information see page: A.26

SCGT-AL	SCMT-03	SCMT-39	SCMW			
						

Characteristics:
Toolholder for external turning applications equipped with triangular positive inserts.
The center screw ensures good rigidity and chip flow.
Applications:
External turning toolholder for all kind of materials.
The workpiece should be stable.

Axial: 0º
Radial: 0º

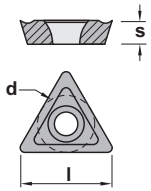




STAC 90°

Ref.		h=h1	b	L1	f	Insert size	Kg
	STAC R/L 0808 D09	8	8	60	8,5	TC.. 0902..	0,050
	STAC R/L 1010 E09	10	10	70	10,5	TC.. 0902..	0,070
	STAC R/L 1212 F11	12	12	80	12,5	TC.. 1102..	0,100
	STAC R/L 1616 H11	16	16	100	16,5	TC.. 1102..	0,200
	STAC R/L 1616 H16	16	16	100	16,5	TC.. 16T3..	0,200
	STAC R/L 2020 K16	20	20	125	20,5	TC.. 16T3..	0,400
	STAC R/L 2525 M16	25	25	150	25,5	TC.. 16T3..	0,700

Ref.					
	STAC R/L 0808 D09	1222	5506	-	-
	STAC R/L 1010 E09	1222	5506	-	-
	STAC R/L 1212 F11	1225	5507	-	-
	STAC R/L 1616 H11	1225	5507	-	-
	STAC R/L 1616 H16	1335	5516	3414	1750
	STAC R/L 2020 K16	1335	5516	3414	1750
	STAC R/L 2525 M16	1335	5516	3414	1750

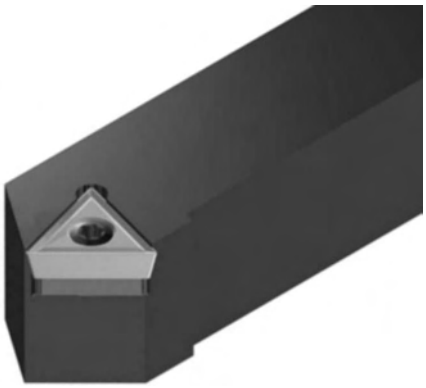


Ref.	TC..	l	s	d
	TC.. 0902..	9,62	2,38	5,55
	TC.. 1102..	11,00	2,38	6,35
	TC.. 16T3..	16,50	3,97	9,52

Positive 7° clearance - Triangular inserts.

For more information see page: A.28

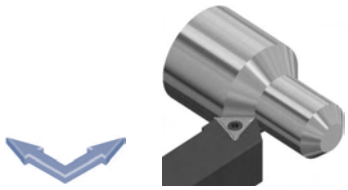
TCGT-AL	TCMT-03	TCMW				
						

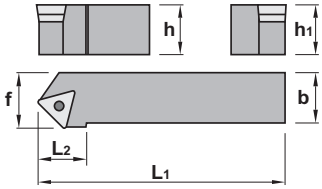


Characteristics:
Toolholder for external turning and chamfering applications equipped with triangular positive inserts.
The center screw ensures good rigidity and chip flow.
Applications:
External turning and chamfering toolholder for all kind of materials.
The workpiece should be stable.

Negative inserts toolholders Ref. PTDN (Page: B.55).

Axial: 0º
Radial: 0º

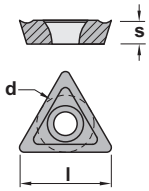




STDC 45°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	STDC R/L 0808 D09	8	8	60	11	10	TC.. 0902..	0,050
	STDC R/L 1010 E09	10	10	70	11	11	TC.. 0902..	0,070
	STDC R/L 1212 F11	12	12	80	16	13	TC.. 1102..	0,100
	STDC R/L 1616 H11	16	16	100	16	17	TC.. 1102..	0,200
	STDC R/L 1212 F16	12	12	80	21	17	TC.. 16T3..	0,100
	STDC R/L 1616 H16	16	16	100	21	17	TC.. 16T3..	0,200
	STDC R/L 2020 K16	20	20	125	21	22	TC.. 16T3..	0,400
	STDC R/L 2525 M16	25	25	150	21	27	TC.. 16T3..	0,700

Ref.					
	STDC R/L 0808 D09	1222	5506	-	-
	STDC R/L 1010 E09	1222	5506	-	-
	STDC R/L 1212 F11	1225	5507	-	-
	STDC R/L 1616 H11	1225	5507	-	-
	STDC R/L 1212 F16	1240	5515	-	-
	STDC R/L 1616 H16	1335	5516	3414	1750
	STDC R/L 2020 K16	1335	5516	3414	1750
	STDC R/L 2525 M16	1335	5516	3414	1750



Ref.	TC..	l	s	d
	TC.. 0902..	9,62	2,38	5,55
	TC.. 1102..	11,00	2,38	6,35
	TC.. 16T3..	16,50	3,97	9,52

Positive 7° clearance - Triangular inserts.

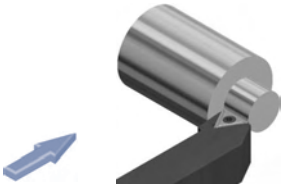
For more information see page: A.28

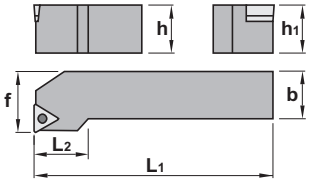
TCGT-AL	TCMT-03	TCMW				
						

Characteristics:
Toolholder for face turning applications equipped with triangular positive inserts.
The center screw ensures good rigidity and chip flow.
Applications:
Face turning toolholder for all kind of materials.
The workpiece should be stable.

Negative inserts toolholders Ref. PTFN (Page: B.56).

Axial: 0º
Radial: 0º

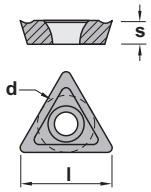




STFC 90°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	STFC R/L 0808 D09	8	8	60	16	10	TC.. 0902..	0,050
	STFC R/L 1010 E09	10	10	70	16	12	TC.. 0902..	0,070
	STFC R/L 1212 F11	12	12	80	18	16	TC.. 1102..	0,100
	STFC R/L 1616 H11	16	16	100	22	20	TC.. 1102..	0,200
	STFC R/L 1212 F16	12	12	80	18	16	TC.. 16T3..	0,100
	STFC R/L 1616 H16	16	16	100	22	20	TC.. 16T3..	0,200
	STFC R/L 2020 K16	20	20	125	22	25	TC.. 16T3..	0,400
	STFC R/L 2525 M16	25	25	150	22	32	TC.. 16T3..	0,700

Ref.					
	STFC R/L 0808 D09	1222	5506	-	-
	STFC R/L 1010 E09	1222	5506	-	-
	STFC R/L 1212 F11	1225	5507	-	-
	STFC R/L 1616 H11	1225	5507	-	-
	STFC R/L 1212 F16	1240	5515	-	-
	STFC R/L 1616 H16	1335	5516	3414	1750
	STFC R/L 2020 K16	1335	5516	3414	1750
	STFC R/L 2525 M16	1335	5516	3414	1750

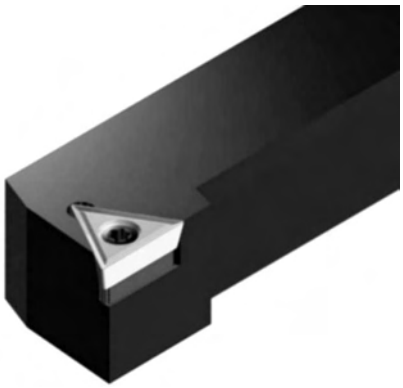


Ref.	TC..	l	s	d
	TC.. 0902..	9,62	2,38	5,55
	TC.. 1102..	11,00	2,38	6,35
	TC.. 16T3..	16,50	3,97	9,52

Positive 7° clearance - Triangular inserts.

For more information see page: A.28

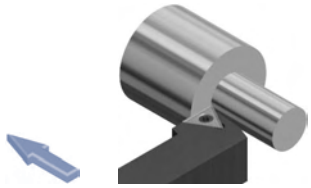
TCGT-AL	TCMT-03	TCMW				
						

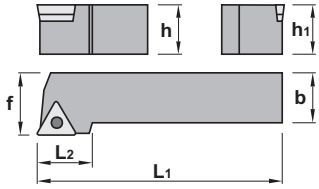


Characteristics:
Toolholder for external turning applications equipped with triangular positive inserts.
The center screw ensures good rigidity and chip flow.
Applications:
External turning toolholder for all kind of materials.
The workpiece should be stable.

Negative inserts toolholders Ref. PTGN (Page: B.57).

Axial: 0º
Radial: 0º

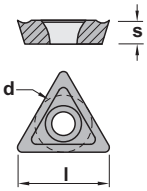




STGC 90°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	STGC R/L 0808 D09	8	8	60	16	10	TC.. 0902..	0,050
	STGC R/L 1010 E09	10	10	70	16	12	TC.. 0902..	0,070
	STGC R/L 1212 F11	12	12	80	18	16	TC.. 1102..	0,100
	STGC R/L 1616 H11	16	16	100	22	20	TC.. 1102..	0,200
	STGC R/L 1212 F16	12	12	80	18	16	TC.. 16T3..	0,100
	STGC R/L 1616 H16	16	16	100	22	20	TC.. 16T3..	0,200
	STGC R/L 2020 K16	20	20	125	22	25	TC.. 16T3..	0,400
	STGC R/L 2525 M16	25	25	150	22	32	TC.. 16T3..	0,700

Ref.					
	STGC R/L 0808 D09	1222	5506	-	-
	STGC R/L 1010 E09	1222	5506	-	-
	STGC R/L 1212 F11	1225	5507	-	-
	STGC R/L 1616 H11	1225	5507	-	-
	STGC R/L 1212 F16	1240	5515	-	-
	STGC R/L 1616 H16	1335	5516	3414	1750
	STGC R/L 2020 K16	1335	5516	3414	1750
	STGC R/L 2525 M16	1335	5516	3414	1750

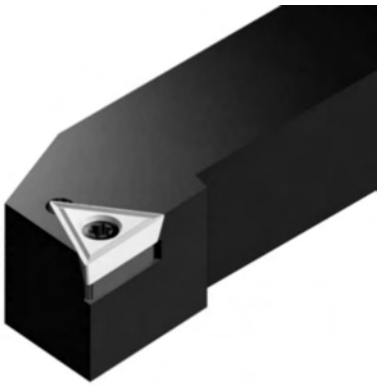


Ref.	TC..	l	s	d
	TC.. 0902..	9,62	2,38	5,55
	TC.. 1102..	11,00	2,38	6,35
	TC.. 16T3..	16,50	3,97	9,52

Positive 7° clearance - Triangular inserts.

For more information see page: A.28

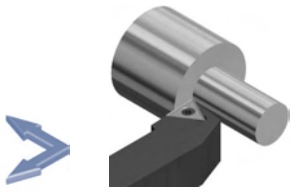
TCGT-AL	TCMT-03	TCMW				
						

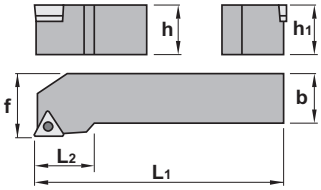


Characteristics:
Toolholder for external and face turning applications equipped with triangular positive inserts.
The center screw ensures good rigidity and chip flow.
Applications:
External and face turning toolholder for all kind of materials.
The workpiece should be stable.

Negative inserts toolholders Ref. MTJN (Page: B.32) or MTJN-K (Page: B.33).

Axial: 0º
Radial: 0º

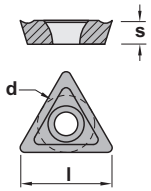




STJC 93°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	STJC R/L 0808 D09	8	8	60	16	10	TC.. 0902..	0,050
	STJC R/L 1010 E09	10	10	70	16	12	TC.. 0902..	0,070
	STJC R/L 1212 F11	12	12	80	18	16	TC.. 1102..	0,100
	STJC R/L 1616 H11	16	16	100	22	20	TC.. 1102..	0,200
	STJC R/L 1212 F16	12	12	80	18	16	TC.. 16T3..	0,100
	STJC R/L 1616 H16	16	16	100	22	20	TC.. 16T3..	0,200
	STJC R/L 2020 K16	20	20	125	22	25	TC.. 16T3..	0,400
	STJC R/L 2525 M16	25	25	150	22	32	TC.. 16T3..	0,700

Ref.					
	STJC R/L 0808 D09	1222	5506	-	-
	STJC R/L 1010 E09	1222	5506	-	-
	STJC R/L 1212 F11	1225	5507	-	-
	STJC R/L 1616 H11	1225	5507	-	-
	STJC R/L 1212 F16	1240	5515	-	-
	STJC R/L 1616 H16	1335	5516	3414	1750
	STJC R/L 2020 K16	1335	5516	3414	1750
	STJC R/L 2525 M16	1335	5516	3414	1750

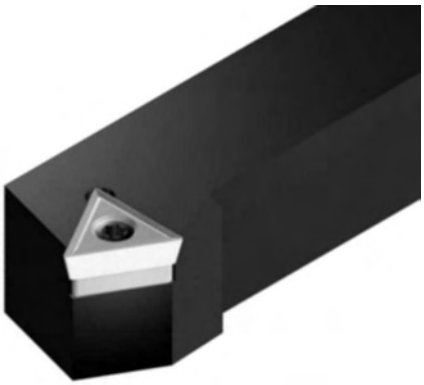


Ref.	TC..	l	s	d
	TC.. 0902..	9,62	2,38	5,55
	TC.. 1102..	11,00	2,38	6,35
	TC.. 16T3..	16,50	3,97	9,52

Positive 7° clearance - Triangular inserts.

For more information see page: A.28

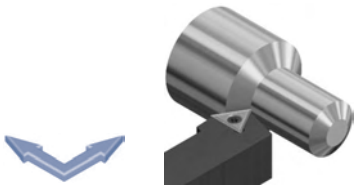
TCGT-AL	TCMT-03	TCMW				
						

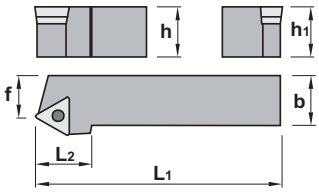


Characteristics:
Toolholder for external turning and chamfering applications equipped with triangular positive inserts.
The center screw ensures good rigidity and chip flow.
Applications:
External turning and chamfering toolholder for all kind of materials.
The workpiece should be stable.

Negative inserts toolholders Ref. PTTN (Page: B.58).

Axial: 0º
Radial: 0º

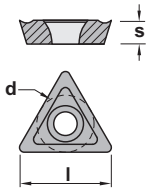




STTC 60°

		h=h1	b	L1	L2	f	Insert size	Kg
Ref.	STTC R/L 0808 D09	8	8	60	16	7	TC.. 0902..	0,050
	STTC R/L 1010 E09	10	10	70	16	9	TC.. 0902..	0,070
	STTC R/L 1212 F11	12	12	80	18	11	TC.. 1102..	0,100
	STTC R/L 1616 H11	16	16	100	18	13	TC.. 1102..	0,200
	STTC R/L 1212 F16	12	12	80	22	11	TC.. 16T3..	0,100
	STTC R/L 1616 H16	16	16	100	22	13	TC.. 16T3..	0,200
	STTC R/L 2020 K16	20	20	125	22	17	TC.. 16T3..	0,400
	STTC R/L 2525 M16	25	25	150	22	22	TC.. 16T3..	0,700

					
Ref.	STTC R/L 0808 D09	1222	5506	-	-
	STTC R/L 1010 E09	1222	5506	-	-
	STTC R/L 1212 F11	1225	5507	-	-
	STTC R/L 1616 H11	1225	5507	-	-
	STTC R/L 1212 F16	1240	5515	-	-
	STTC R/L 1616 H16	1335	5516	3414	1750
	STTC R/L 2020 K16	1335	5516	3414	1750
	STTC R/L 2525 M16	1335	5516	3414	1750



	TC..	l	s	d
Ref.	TC.. 0902..	9,62	2,38	5,55
	TC.. 1102..	11,00	2,38	6,35
	TC.. 16T3..	16,50	3,97	9,52

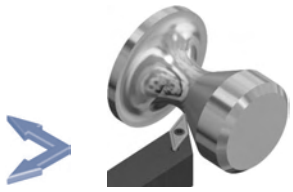
Positive 7° clearance - Triangular inserts.

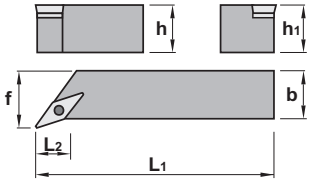
For more information see page: A.28

TCGT-AL	TCMT-03	TCMW				
						

Characteristics:
Multipurpose profiling toolholder equipped with rhombic positive insert (angle 35º).
The center screw ensures good rigidity and chip flow.
Applications:
External turning and profiling toolholder for general applications, semi-finishing and finishing.

Axial: 0º
Radial: 0º

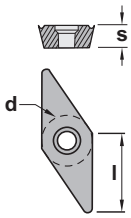




SVHC 107°30'

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	SVHC R/L 2020 K16	20	20	125	15,4	25	VC.. 1604..	0,400
	SVHC R/L 2525 M16	25	25	150	21,0	32	VC.. 1604..	0,700
	SVHC R/L 3225 P16	32	25	170	21,0	32	VC.. 1604..	0,900
	SVHC R/L 2525 M22	25	25	150	19,6	32	VC.. 2205..	0,700
	SVHC R/L 3225 P22	32	25	170	19,6	32	VC.. 2205..	0,900

Ref.					
	SVHC R/L 2020 K16	1335	5516	3718	1750
	SVHC R/L 2525 M16	1335	5516	3718	1750
	SVHC R/L 3225 P16	1335	5516	3718	1750
	SVHC R/L 2525 M22	1540	5520	3722	1760
	SVHC R/L 3225 P22	1540	5520	3722	1760

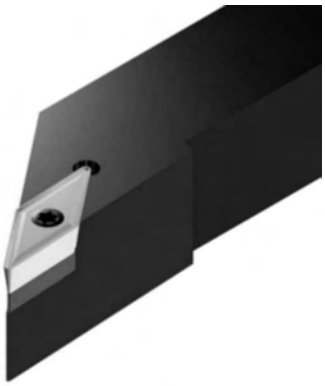


Ref.	VC..	l	s	d
	VC.. 1604..	16,50	4,76	9,52
	VC.. 2205..	22,10	5,56	12,70

Positive 7° clearance - 35° rhombic inserts

For more information see page: A.32

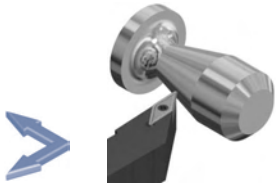
VCGT-AL	VCGT-AL	VCGT-AP	VCGT-AP	VCMT-03		
						

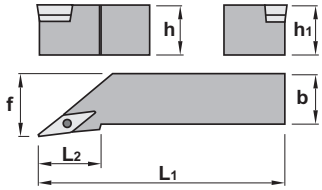


Characteristics:
Multipurpose profiling toolholder equipped with rhombic 5º positive insert (angle 35º).
The center screw ensures good rigidity and chip flow.
Applications:
External turning and profiling toolholder for general applications, semi-finishing and finishing.

Negative inserts toolholders Ref. MVJN-K (Page: B.35).

Axial: 0º
Radial: 0º

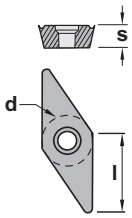




SVJB 93°

		h=h1	b	L1	L2	f	Insert size	Kg
Ref.	SVJB R/L 2020 K16	20	20	125	37	25	VBMT 1604..	0,400
	SVJB R/L 2525 M16	25	25	150	37	32	VBMT 1604..	0,700
	SVJB R/L 3225 P16	32	25	170	37	32	VBMT 1604..	0,900

					
Ref.	SVJB R/L 2020 K16	1335	5516	3718	1750
	SVJB R/L 2525 M16	1335	5516	3718	1750
	SVJB R/L 3225 P16	1335	5516	3718	1750

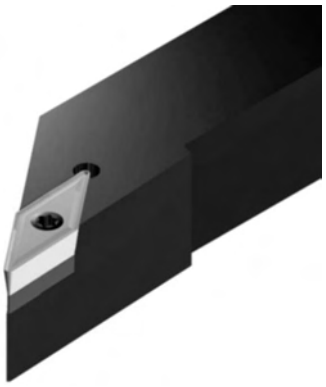


	VBMT	l	s	d
Ref.	VBMT 1604..	16,50	4,76	9,52

Positive 5° clearance - 35° rhombic inserts.

For more information see page: A.32

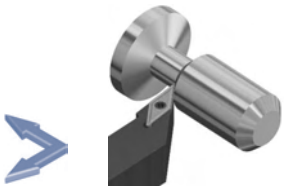
VBMT						
						

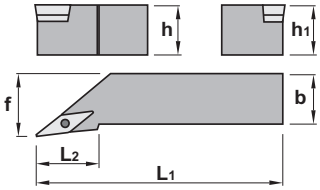


Characteristics:
Multipurpose profiling toolholder equipped with rhombic positive insert (angle 35º).
The center screw ensures good rigidity and chip flow.
Applications:
External turning and profiling toolholder for general applications, semi-finishing and finishing.

Negative inserts toolholders Ref. MVJN-K (Page: B.35).

Axial: 0º
Radial: 0º

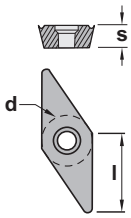




SVJC 93°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	SVJC R/L 1212 F11	12	12	80	25	16	VC.. 1103..	0,100
	SVJC R/L 1616 H11	16	16	100	25	20	VC.. 1103..	0,200
	SVJC R/L 2020 K11	20	20	125	25	25	VC.. 1103..	0,400
	SVJC R/L 2020 K16	20	20	125	37	25	VC.. 1604..	0,400
	SVJC R/L 2525 M16	25	25	150	37	32	VC.. 1604..	0,700
	SVJC R/L 3225 P16	32	25	170	37	32	VC.. 1604..	0,900

Ref.					
	SVJC R/L 1212 F11	1225	5507	-	-
	SVJC R/L 1616 H11	1225	5507	-	-
	SVJC R/L 2020 K11	1225	5507	-	-
	SVJC R/L 2020 K16	1335	5516	3718	1750
	SVJC R/L 2525 M16	1335	5516	3718	1750
	SVJC R/L 3225 P16	1335	5516	3718	1750



Ref.	VC..	l	s	d
	VC.. 1103..	11,00	3,18	6,35
	VC.. 1604..	16,50	4,76	9,52

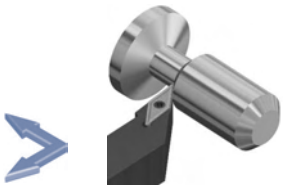
Positive 7° clearance - 35° rhombic inserts

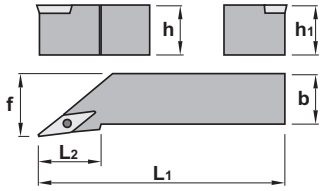
For more information see page: A.32

VCGT-AL	VCGT-AP	VCMT-03				
						

Characteristics:
Multipurpose profiling toolholder equipped with rhombic positive insert (angle 35º).
The center screw ensures good rigidity and chip flow.
Applications:
External turning and profiling toolholder for general applications, semi-finishing and finishing.

Axial: 0º
Radial: 0º

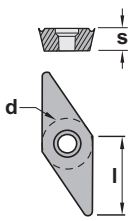




SVLC 95°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	SVLC R/L 1212 G13	12	12	90	25	16	VCMT 1303..	0,100
	SVLC R/L 1616 H13	16	16	100	25	20	VCMT 1303..	0,200
	SVLC R/L 2020 K13	20	20	125	28	25	VCMT 1303..	0,400
	SVLC R/L 2525 M13	25	25	150	30	32	VCMT 1303..	0,700

Ref.			
	SVLC R/L 1212 G13	1230	5508
	SVLC R/L 1616 H13	1230	5508
	SVLC R/L 2020 K13	1230	5508
	SVLC R/L 2525 M13	1230	5508



	VCMT	l	s	d
Ref.	VC.. 1303..	13,00	3,18	8,00

Positive 7° clearance - 35° rhombic inserts.

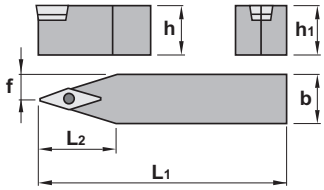
For more information see page: A.32

VCMT-03						
						

Characteristics:
Multipurpose profiling toolholder equipped with rhombic 5º positive insert (angle 35º).
The center screw ensures good rigidity and chip flow.
Applications:
External turning and profiling toolholder for general applications, semi-finishing and finishing.

Negative inserts toolholders Ref. MVVN-K (Page: B.37).

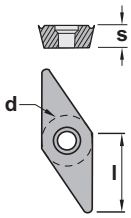
Axial: 0º
Radial: 0º



SVVB 72°30'

		h=h1	b	L1	L2	f	Insert size	Kg
Ref.	**SVVB N 2020 K16**	20	20	125	37	10,6	VBMT 1604..	0,400
	SVVB N 2525 M16	25	25	150	37	13,1	VBMT 1604..	0,700
	SVVB N 3225 P16	32	25	170	37	13,1	VBMT 1604..	0,900

					
Ref.	**SVVB N 2020 K16**	1335	5516	3718	1750
	SVVB N 2525 M16	1335	5516	3718	1750
	SVVB N 3225 P16	1335	5516	3718	1750



	VBMT	l	s	d
Ref.	**VBMT 1604..**	16,50	4,76	9,52

Positive 5° clearance - 35° rhombic inserts.

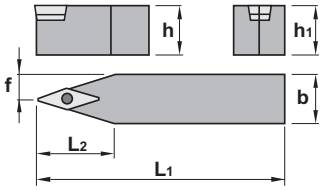
For more information see page: A.32

VBMT						
						

Characteristics:
Multipurpose profiling toolholder equipped with rhombic positive insert (angle 35º).
The center screw ensures good rigidity and chip flow.
Applications:
External turning and profiling toolholder for general applications, semi-finishing and finishing.

Negative inserts toolholders Ref. MVVN-K (Page: B.37).

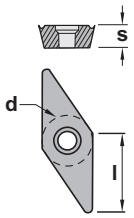
Axial: 0º
Radial: 0º



SVVC 72°30'

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	SVVC N 1212 F11	12	12	80	25	6,6	VC.. 1103..	0,100
	SVVC N 1616 H11	16	16	100	25	8,6	VC.. 1103..	0,200
	SVVC N 2020 K11	20	20	125	25	10,6	VC.. 1103..	0,400
	SVVC N 2020 K16	20	20	125	37	10,6	VC.. 1604..	0,400
	SVVC N 2525 M16	25	25	150	37	13,1	VC.. 1604..	0,700
	SVVC N 3225 P16	32	25	170	37	13,1	VC.. 1604..	0,900

Ref.					
	SVVC N 1212 F11	1225	5507	-	-
	SVVC N 1616 H11	1225	5507	-	-
	SVVC N 2020 K11	1225	5507	-	-
	SVVC N 2020 K16	1335	5516	3718	1750
	SVVC N 2525 M16	1335	5516	3718	1750
	SVVC N 3225 P16	1335	5516	3718	1750



Ref.	VC..	l	s	d
	VC.. 1103..	11,00	3,18	6,35
	VC.. 1604..	16,50	4,76	9,52

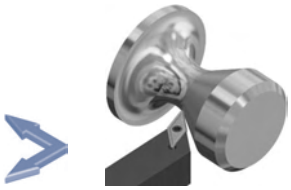
Positive 7° clearance - 35° rhombic inserts

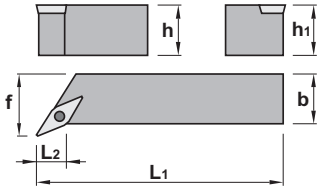
For more information see page: A.32

VCGT-AL	VCGT-AP	VCMT-03				
						

Characteristics:
Multipurpose profiling toolholder equipped with rhombic positive insert (angle 35º).
The center screw ensures good rigidity and chip flow.
Applications:
External turning and profiling toolholder for general applications, semi-finishing and finishing.

Axial: 0º
Radial: 0º

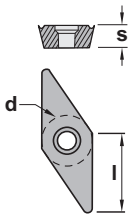




SVXC 113°

		h=h1	b	L1	L2	f	Insert size	Kg
Ref.	**SVXC R/L 1212 G13**	12	12	90	11,5	16	VCMT 1303..	0,100
	SVXC R/L 1616 H13	16	16	100	13,8	20	VCMT 1303..	0,200
	SVXC R/L 2020 K13	20	20	125	10,4	25	VCMT 1303..	0,400
	SVXC R/L 2525 M13	25	25	150	20,2	32	VCMT 1303..	0,700

			
Ref.	**SVXC R/L 1212 G13**	1230	5508
	SVXC R/L 1616 H13	1230	5508
	SVXC R/L 2020 K13	1230	5508
	SVXC R/L 2525 M13	1230	5508



	VCMT	l	s	d
Ref.	**VC.. 1303..**	13,00	3,18	8,00

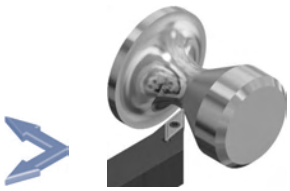
Positive 7° clearance - 35° rhombic inserts.

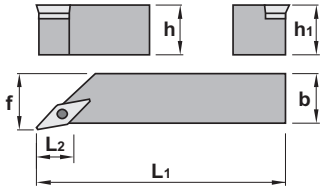
For more information see page: A.32

VCMT-03						
						

Characteristics:
Multipurpose profiling toolholder equipped with rhombic positive insert (angle 35º).
The center screw ensures good rigidity and chip flow.
Applications:
External turning and profiling toolholder for general applications, semi-finishing and finishing.

Axial: 0º
Radial: 0º

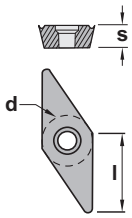




SVZC 100°

Ref.		h=h1	b	L1	L2	f	Insert size	Kg
	SVZC R/L 2020 K16	20	20	125	25,7	25	VC.. 1604..	0,400
	SVZC R/L 2525 M16	25	25	150	28,5	32	VC.. 1604..	0,700
	SVZC R/L 3225 P16	32	25	170	28,5	32	VC.. 1604..	0,900

Ref.					
	SVZC R/L 2020 K16	1335	5516	3718	1750
	SVZC R/L 2525 M16	1335	5516	3718	1750
	SVZC R/L 3225 P16	1335	5516	3718	1750



	VC..	l	s	d
Ref.	VC.. 1604..	16,50	4,76	9,52

Positive 7° clearance - 35° rhombic inserts

For more information see page: A.32

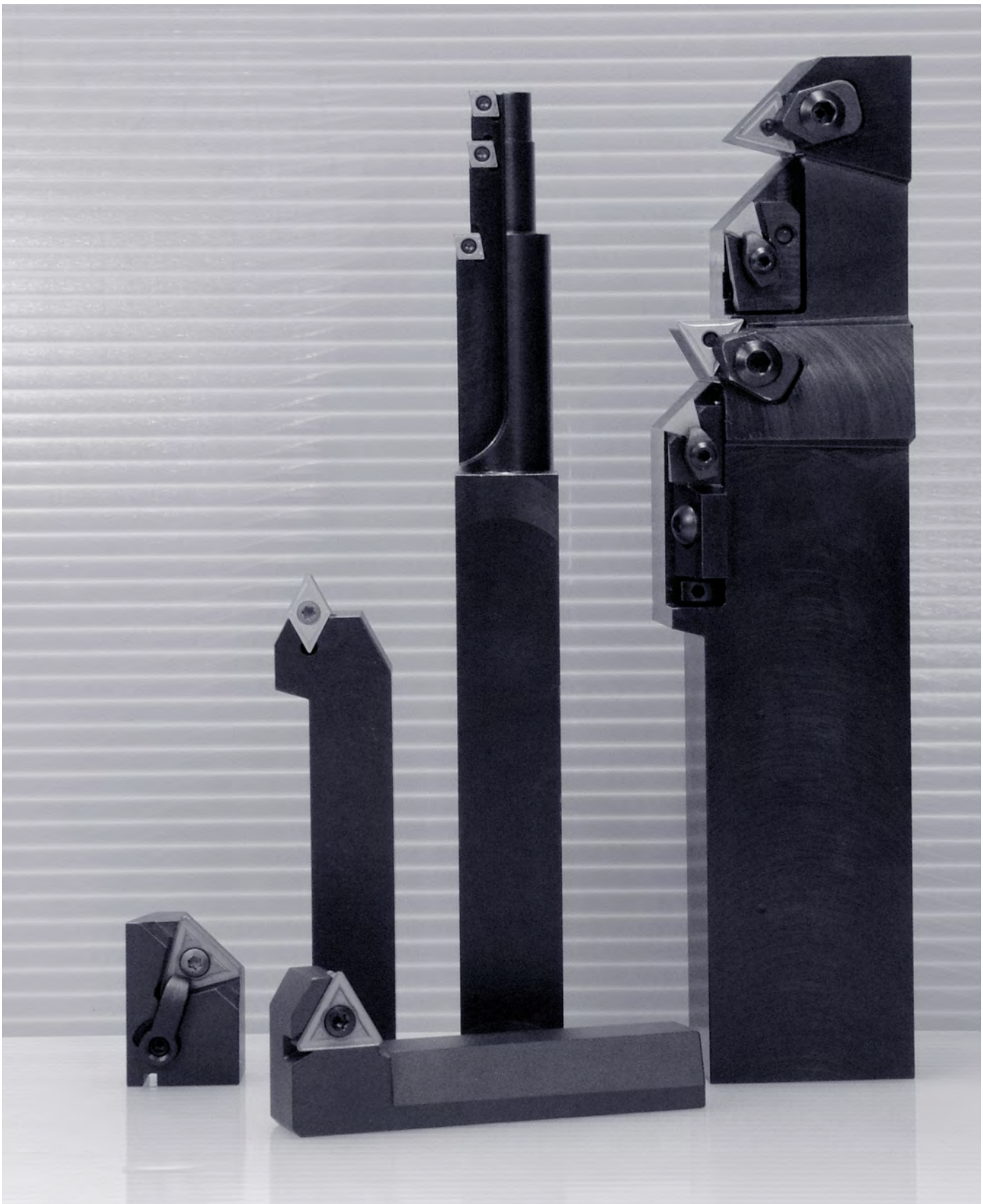
VCGT-AL	VCGT-AP	VCMT-03				
						

Nominal cutting speed and feed values for toolholders

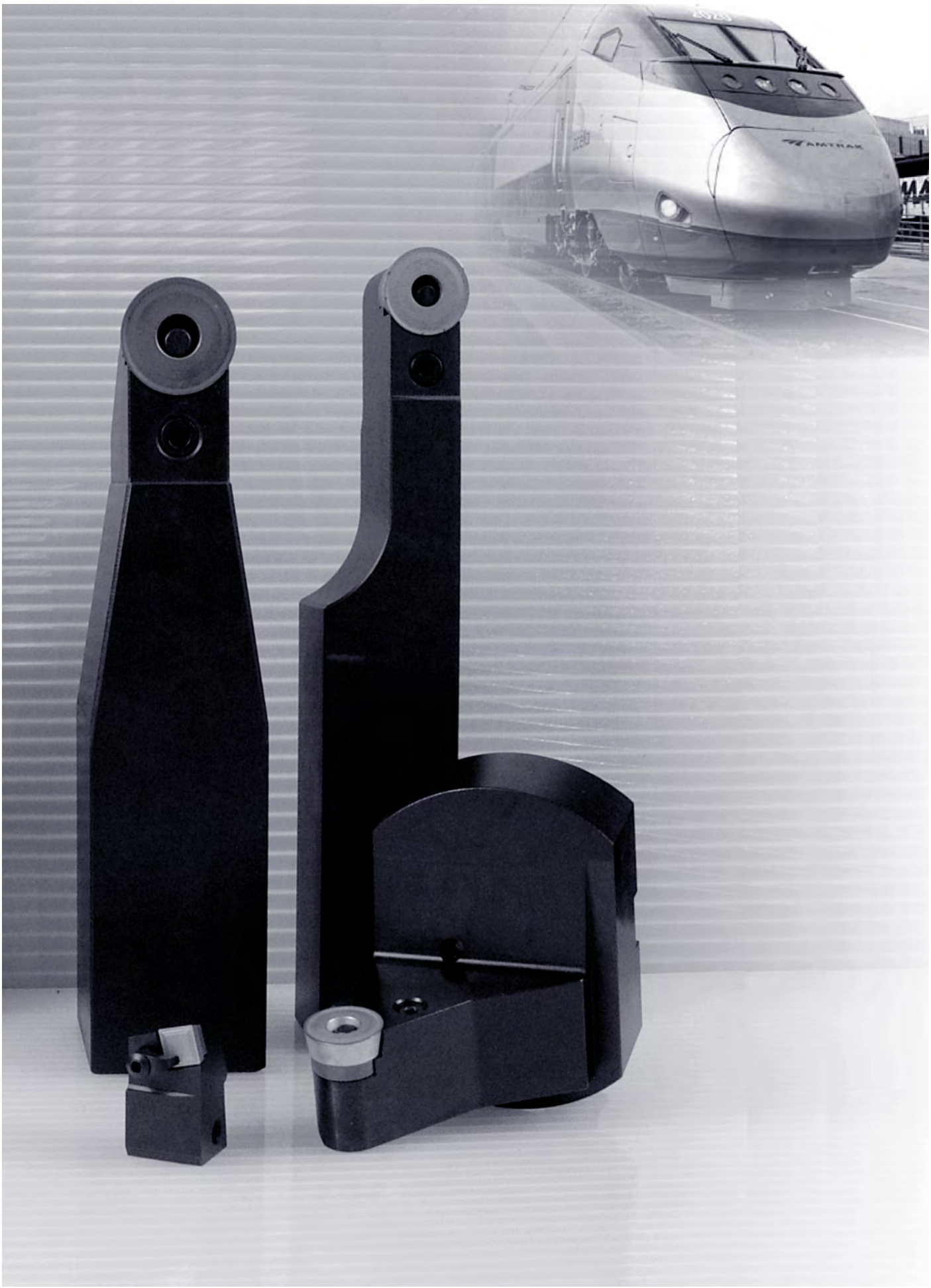
Material P	HB	Condition	Cutting speed m/min. PM 25	PM 40	NC 25	TIN 16	TIN 22	TIN 32	Specific cutting force $K_c 0,4$
			0.3-0.6-1.2		0.1 - 0.3	0.1-0.4-0.8	0.1-0.4-0.8	0.2-0.5-1.2	
Unalloyed steel	125 150 200	C=0.15% C=0.35% C=0.60%	150 115 80 145 105 70 115 90 65		350 280 270 230 240 190	480 345 250 440 315 230 385 275 200	440 300 205 400 275 190 350 240 165	330 230 110 300 210 150 260 185 130	1900 2100 2250
Low alloyed steel	180 275 300 350	Annealed Hardened Hardened Hardened	90 70 45 65 45 30 60 40 25 50 35 20		300 260 220 140 230 180 220 140	380 265 195 260 180 130 240 165 120 210 145 105	320 220 170 215 150 115 200 135 105 170 120 90	200 140 100 140 100 70 125 90 60 110 75 55	2100 2600 2700 2850
High alloyed steel	200 325	Annealed Hardened	80 60 45 40 25 20		200 160 200 160	350 230 170 170 110	280 185 135 120 80 60	175 115 80 85 55 40	2600 3900
Stainless steel	200	Martensitic/Ferritic	110 95 75		270 130	295 240 190	275 210 165	225 180 145	2300
Steel castings	180 200 225	Unalloyed Low alloyed High alloyed	60 50 35 50 45 30 40 30 20		300 260 230 180 220 140	260 185 145 230 160 120 190 130 95	230 160 120 190 125 85 170 115 80	135 105 75 120 90 60 95 70 55	2000 2500 2700

Material M	HB	Condition	Cutting speed m/min. PM 25	PM 40	NC 25	TIN 16	TIN 17	TIN 22	TIN 32	TIN 35	Specific cutting force $K_c 0,4$
			0.1-0.3		0.1-0.3	0.1-0.4-0.8	0.1-0.3		0.2-0.4-0.6	0.2-0.4-0.6	
Stainless steel annealed	180	Austenitic Ni > 8%, Cr 12-25% Austenitic/Ferritic Austenitic/Ferritic, Low S	205 170		240 200 160 130 160 130	180 150 120 180 150 120 180 150 120	600 100 400 100 400 100		190 160 130 190 160 100 140 110	190 160 130 190 160 130 160 130 100	2450
Heat resistant alloys	200 280 250 350 320	Annealed Aged Annealed Aged Cast					50 20 50 20 40 15 35 20 25 10		40 20 35 15 25 6 15 4 15 4	40 20 35 15 25 8 15 4 15 4	3000 3050 3500 4150 4150
Titanium alloys	400 950 1050	Ti Cast a, almost a and a+b Aged cast a+b					140 80 45 25 45 25			80 130 15 35 15 35	1530 1675 1690

Material K	HB	Condition	Cutting speed m/min. KM 15	TIN 17	NC 25	TIN 16	TIN 22	ZR 10	Specific cutting force $K_c 0,4$
			0.2-0.5-1.0	0.2-0.5-1.0	0.2-0.5	0.2-0.5-1.0		0.2-0.5-1.0	
Hardened steel	350 250	Hardened steel Manganese steel 12%	27 16 10 65 40 16	180 150 110 120 90 60		175 145 100 120 85 50			4500 3600
Malleable cast iron	130 230	Ferritic Pearlitic	105 75 45 80 60 30	250 180 100 160 100 60		225 150 90 155 95 55			1100 1100
Cast iron	180 260	Low tensile strenght High tensile strenght	135 95 60 95 65 40	180 120 80 140 105 60	300 200 250 180	165 110 70 120 90 55			1100 1500
Nodular SG iron	160 250	Ferritic Pearlitic	115 80 45 80 50 30	220 180 100 150 100 50	250 180 180 120				1100 1800
Chilled cast iron	400		17 11	17 11					3000
Aluminium alloys	60 100	Non heat treatable Heat treatable	1750 1280 800 510 370 250	1750 1280 800 510 370 250				1750 1280 800 510 370 250	500 800
Aluminium alloys (Cast)	75 90	Non heat treatable Heat treatable	460 285 175 300 180 110	460 285 175 300 180 110				460 285 175 300 180 110	750 900
Bronze-Brass alloys	110 90 100	Lead alloys, Pb>1% Brass and bronze Inc. electrolyitc copper	610 430 295 310 250 195 225 160 115	610 430 295 310 250 195 225 160 115				610 430 295 310 250 195 225 160 115	700 750 1750
Other materials		Hard plastics Fibre Hard rubber	380 240 190 120 225 160	380 240 190 120 225 160				380 240 190 120 225 160	



Special tools are required to achieve different applications, either to reduce machining time or because there is no standard tool which can accomplish a specific machining operation. Eines CANELA gives to his costumers the possibility of manufacturing this tooling, starting from a drawing or making a study about the piece that has to be machined. The wide range of possibilities offered by the manufacture of special tooling helps to solve all machining problems from the small machining companies to the aerospace industry.


AMTRAK