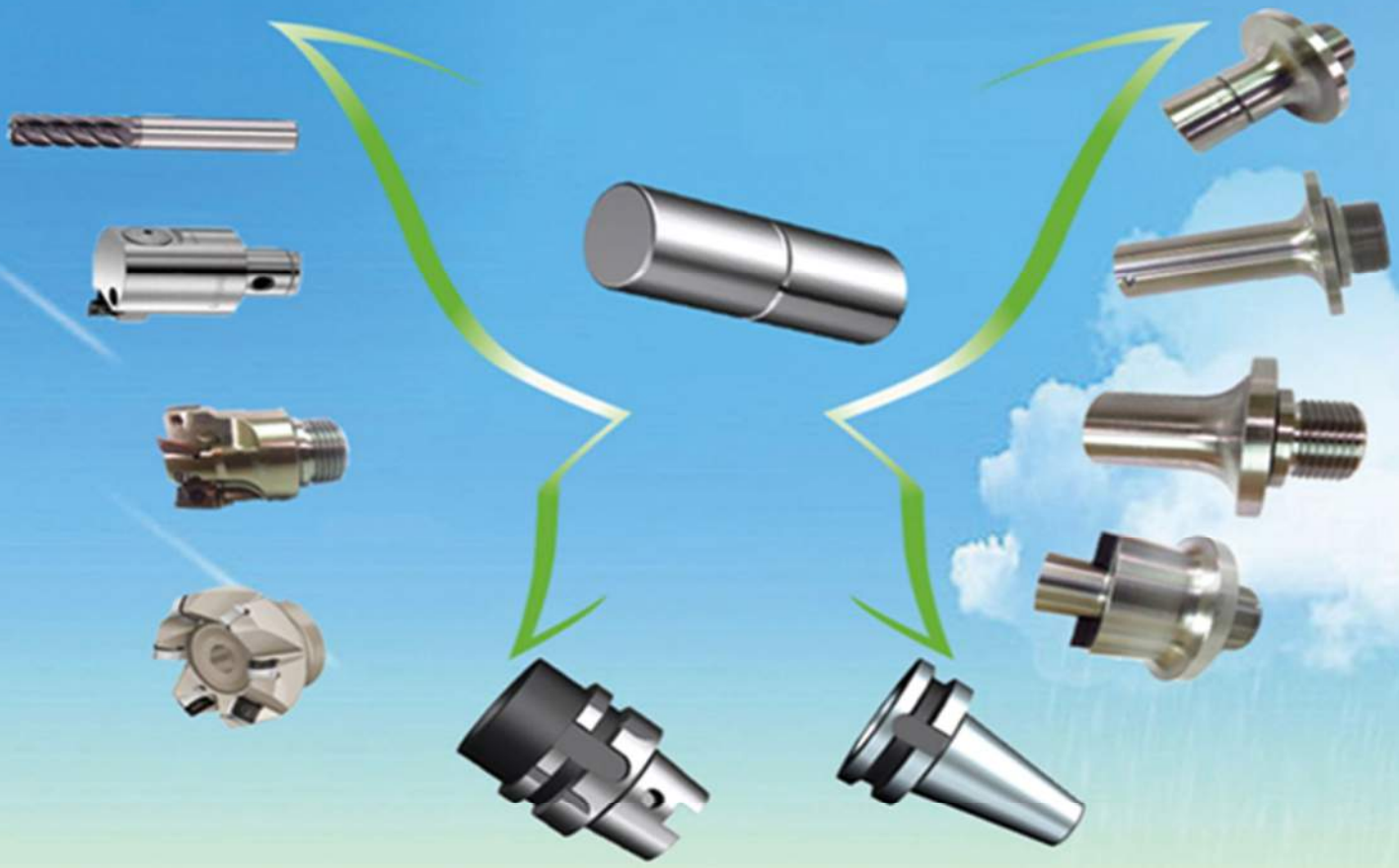
Monkula

Research- Quality- Service- Value



ФРАКТАЛЬНІСТЬ

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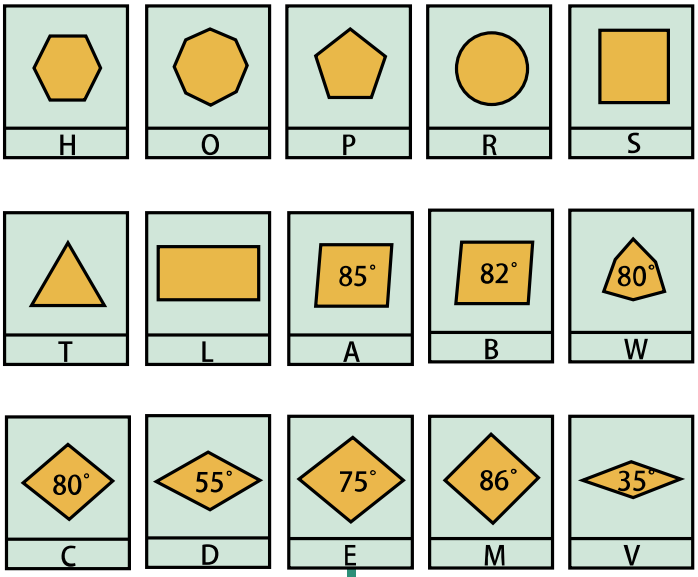
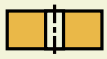
Insert Shape

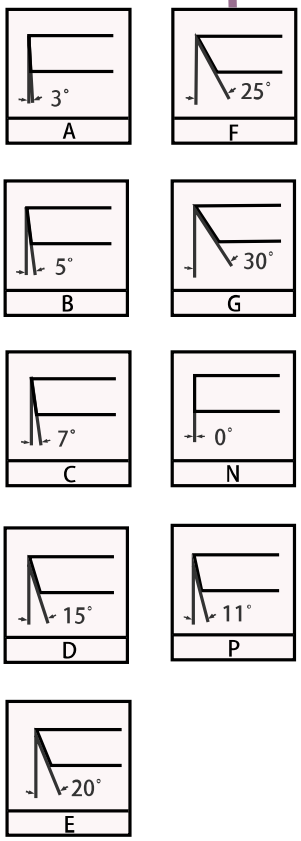


Insert Featrres

N		T	
R		Q	
F		U	
A		B	
M		H	
G		C	
W		J	

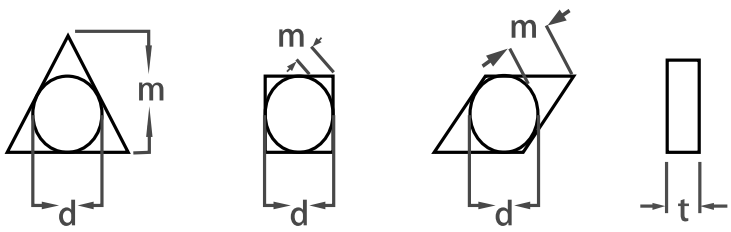
Inch Series	C	N	M	G
Metric Series	C	N	M	G
	1	2	3	4

Clearance angle



Tolerance Class

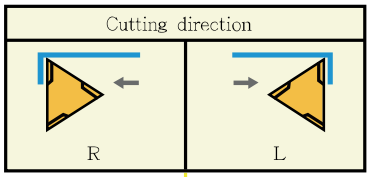
d : Diameter of Inscribed cicle
m : Nose Hieght
t : Thickness



Symbo	Tolerance on "d" (mm)	Tolerance on "m" (mm)	Tolerance on "t" (mm)
C	±0.025	±0.013	±0.025
H	±0.013	±0.013	±0.025
E	±0.025	±0.025	±0.025
G	±0.025	±0.025	±0.013
M	±0.05~±0.13	±0.08~±0.20	±0.013
U	±0.08~±0.025	±0.13~±0.38	±0.013

Thickness			
Thickness		Symbol	
inch	mm	Inch	Metric
1/32	0.79	0.5(1)	-
1/16	1.59	1(2)	01
5/64	1.98	1.2	T1
3/32	2.38	1.5(3)	02
1/8	3.18	2	03
5/32	3.97	2.5	T3
3/16	4.76	3	04
7/32	5.56	3.5	05
1/4	6.35	4	06
5/16	7.94	5	07
3/8	9.52	6	09
7/16	11.11	7	11
1/2	12.70	8	12

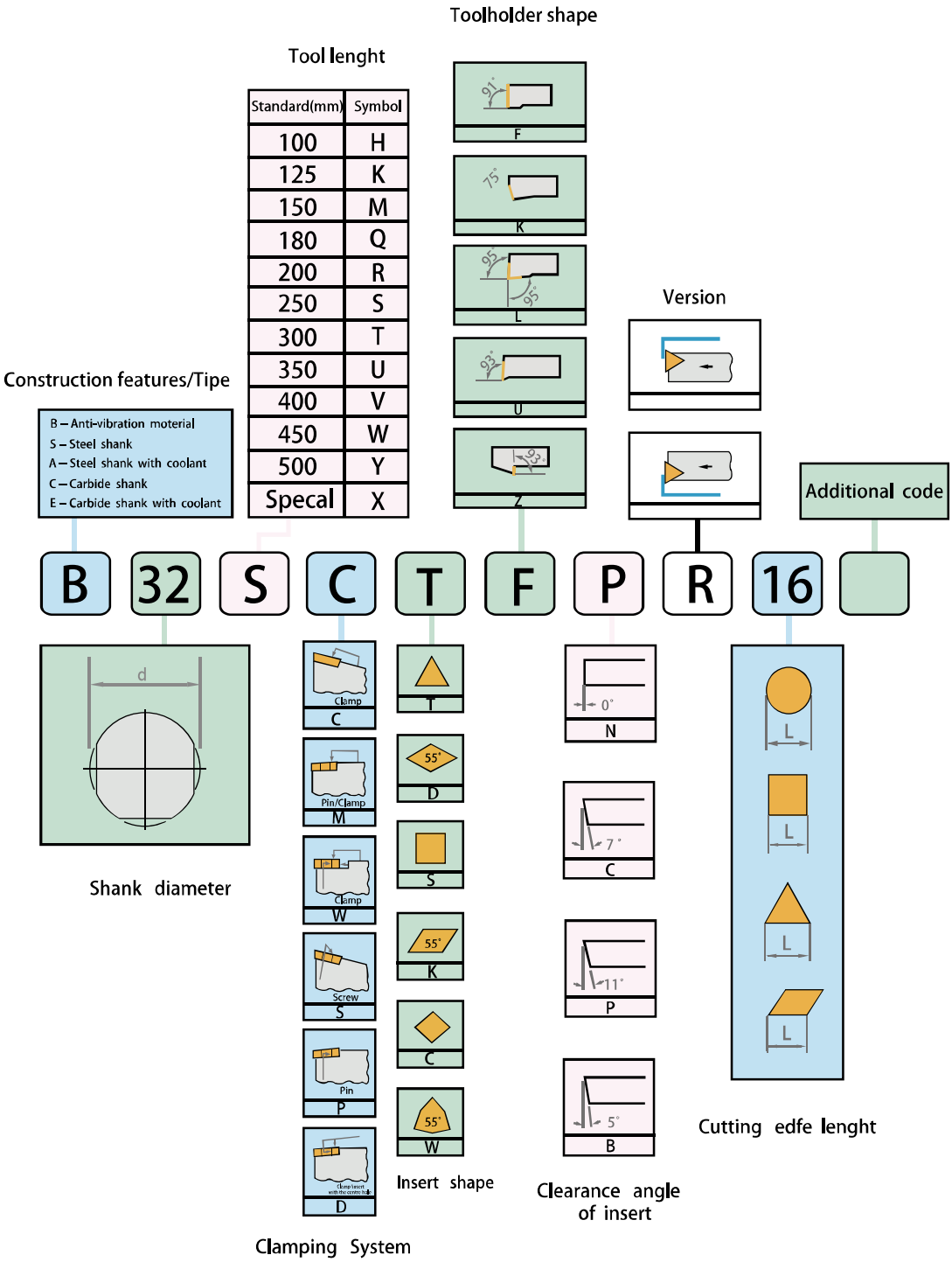
Corner radius			
Corner radius		Symbol	
inch	mm	Inch	Metric
0.004	0.1	0	01
0.006	0.2	0.5	02
1/64	0.4	1	04
1/32	0.8	2	08
3/64	1.2	3	12
1/16	1.6	4	16
5/64	2.0	5	20
3/32	2.4	6	24
7/64	2.8	7	28
1/8	3.2	8	32
round insert(inch)		-	00
round insert(metric)		-	M0



4	3	2	□	□
12	04	08	□	□
5	6	7	8	9

Chip Breaker

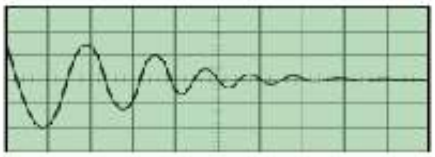
Edge length & Diameter of Inscribed circle									
Inch series	d(mm)		Metric series						
	inch	mm	C	D	R	S	T	V	W
1.2(5)	5/32	3.97	-	C4	03	03	05	-	-
1.5(6)	3/16	4.76	04	C5	04	04	08	08	-
1.8(7)	7/32	5.56	05	C6	05	05	09	09	03
-	0.236	6.00	-	-	06	-	-	-	-
2	1/4	6.35	06	C7	06	06	11	11	04
2.5	5/16	7.94	08	C9	07	07	13	19	05
-	0.315	8.00	-	-	08	-	-	-	-
3	3/8	9.52	09	11	09	09	15	15	06
-	0.394	10.00	-	-	10	-	-	-	-
3.5	7/16	11.11	11	13	11	11	19	19	07
-	0.472	12.00	-	-	12	-	-	-	-
4	1/2	12.70	12	15	12	12	22	22	08
4.5	9/16	14.29	14	17	14	14	24	24	09
5	5/8	15.88	16	19	15	15	27	27	10
-	0.630	16.00	-	-	16	-	-	-	-
5.5	11/16	17.46	17	21	17	17	30	30	11
6	3/4	19.05	19	23	19	19	33	33	13
-	0.787	20.00	-	-	20	-	-	-	-
7	7/8	22.22	22	27	22	22	38	38	15
-	0.984	25.00	-	-	25	-	-	-	-
8	1	25.00	25	31	25	25	44	44	17
10	11/4	31.75	32	38	31	31	54	54	21
-	1.260	32.00	-	-	32	-	-	-	-


Toolholder shape
Tool lenght
Standard(mm) Symbol
100 H
125 K
150 M
180 Q
200 R
250 S
300 T
350 U
400 V
450 W
500 Y
Specal X
F
K
L
U
Z
Version
Construction features/Tipe
B – Anti-vibration moterial
S – Steel shank
A – Steel shank with coolant
C – Carbide shank
E – Carbide shank with coolant
Additional code
B 32 S C T F P R 16
d
Shank diameter
Clamp C
Pin/Clamp M
Clamp W
Screw S
Pin P
D
Clamping System
T
55° D
S
55° K
C
55° W
Insert shape
0° N
7° C
11° P
5° B
Clearance angle of insert
L
L
L
L
Cutting edfe lenght

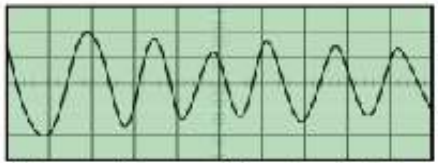
Removable Type anti-Vibration Boring Bar Introduction

- applying to machine for deep hole
- Saving tools cost for preparing several specification tools
- Decreasing consumed inserts more than 30%
- Removable cutting head to replace
- High efficient anti-vibration ratio are 6~16
- material : alloy steel/hardness 42 HRC
- Taiwan patent:m385422 USA patent:us8371776

Compare of Vibration Amplitude

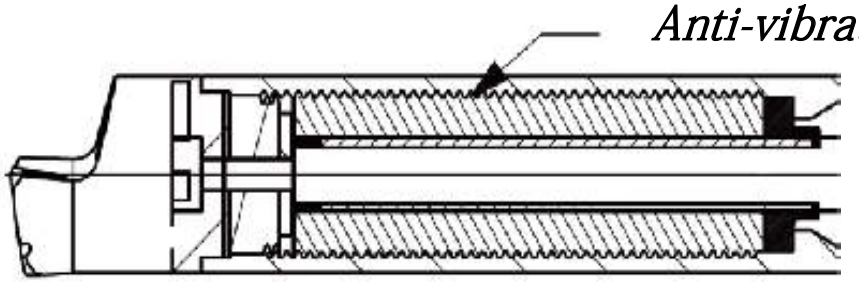


Monkula anti-vibration cutters



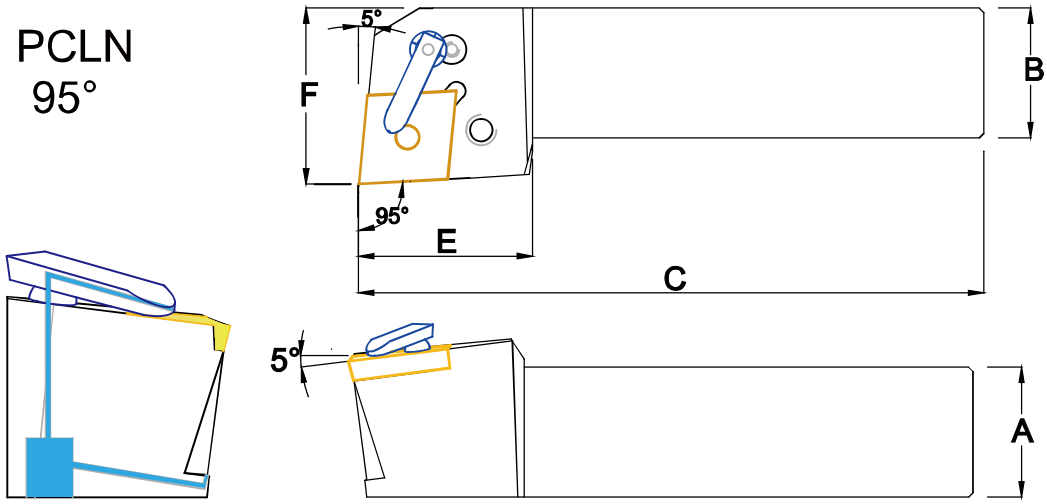
Other cutters without anti-vibration

Struction of Damper System



Anti-Vibration External Turning Tool With Double Coolant Holes

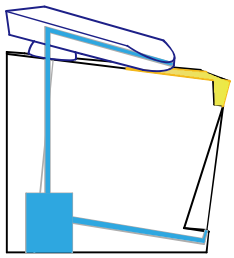
PCLN
95°

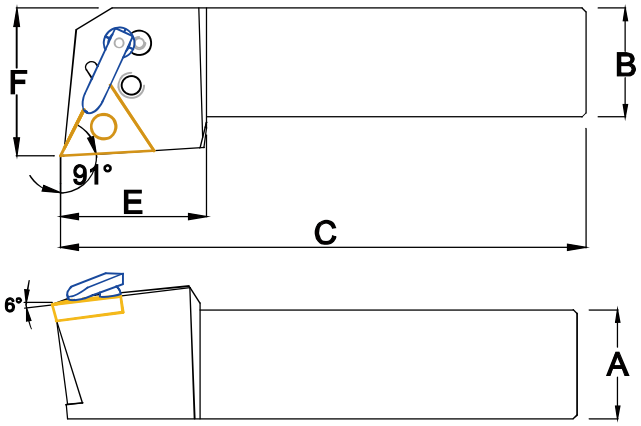


Order No.	Insert	Wrench					Parts			Wrench
Rught/Left		A	B	C	E	F				
PCLNR/L-2020K12	CNMG1204	20	20	125	26	25	GPC4	LSP3	GSL17	LW025
PCLNR/L-2525M12	CNMG1204	25	25	125	28	32	GPC4	LSP3	GSL17	LW025
PCLNR/L-3232P12	CNMG1204	32	32	125	28	40	GPC4	LSP3	GSL17	LW025

Anti-Vibration External Turning Tool With Double Coolant Holes

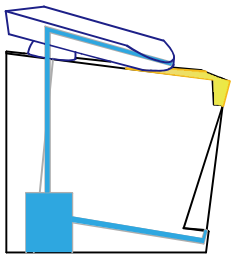
PTGN
91°

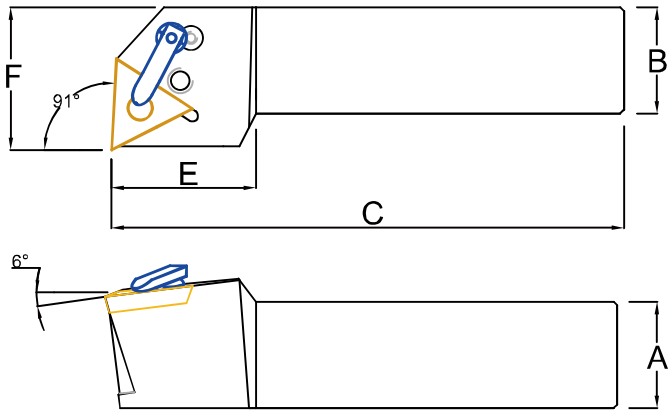




Order No.	Insert	Wrench					Parts			Wrench
Rught/Left		A	B	C	E	F				
PTGNR/L-2020K16	TNMG1604	20	20	125	26	25	GPT3	LSP2	GSL14	LW025
PTGNR/L-2525M16	TNMG1604	25	25	150	26	32	GPT3	LSP2	GSL14	LW025

PTFN
91°

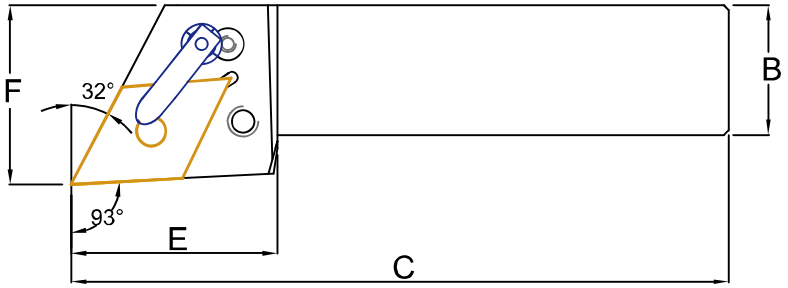


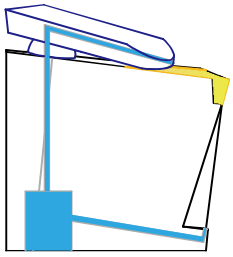


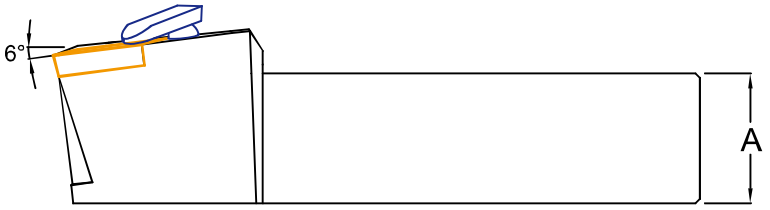
Order No.	Insert	Wrench					Parts			Wrench
Rught/Left		A	B	C	E	F				
PTFNR/L-2020K16	TNMG1604	20	20	125	26	25	GPT3	LSP2	GSL14	LW025
PTFNR/L-2525M16	TNMG1604	25	25	150	26	32	GPT3	LSP2	GSL14	LW025

Anti-Vibration External Turning Tool With Double Coolant Holes

PDJN 93°

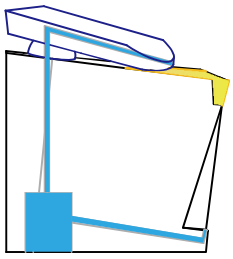


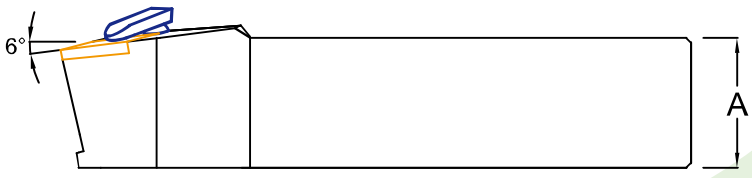




Order No.	Insert	Wrench					Parts			Wrench
Rught/Left		A	B	C	E	F				
PDJNR/L-2525M1504/1506	DNMG1504/1506	25	25	150	26	32	GPC4	LSP3	GSL17	LW025
PDJNR/L-3232M1504/1506	DNMG1504/1506	32	32	170	28	40	GPC4	LSP3	GSL17	LW025

PDNN 63°

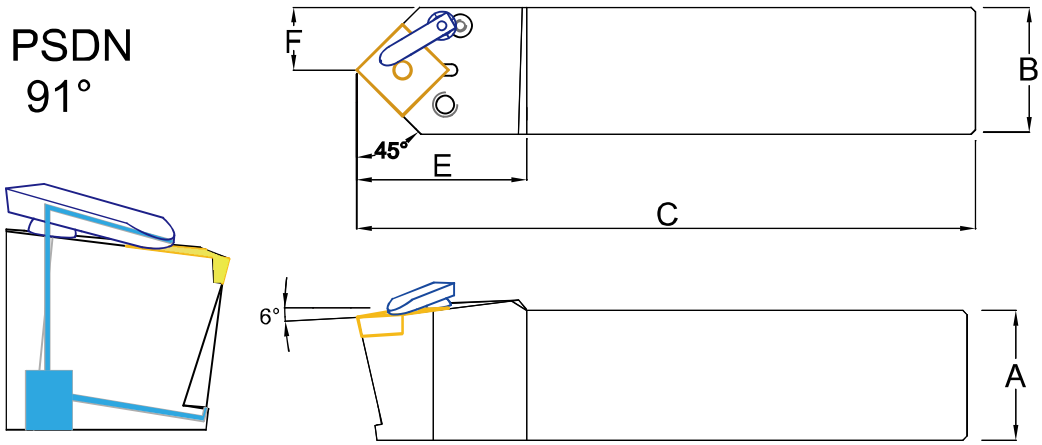




Order No.	Insert	Wrench					Parts			Wrench
Rught/Left		A	B	C	E	F				
PDNNR/L-2525M1504/1506	DNMG1504/1506	25	25	150	26	12.5	GPC4	LSP3	GSL17	LW025
PDNNR/L-3232M1504/1506	DNMG1504/1506	32	32	170	28	16	GPC4	LSP3	GSL17	LW025

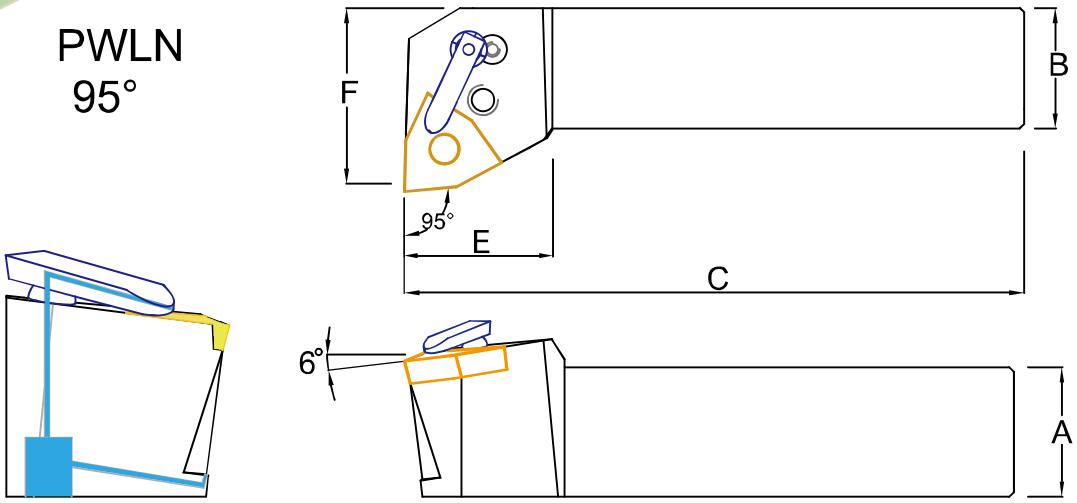
Anti-Vibration External Turning Tool With Double Coolant Holes

PSDN 91°



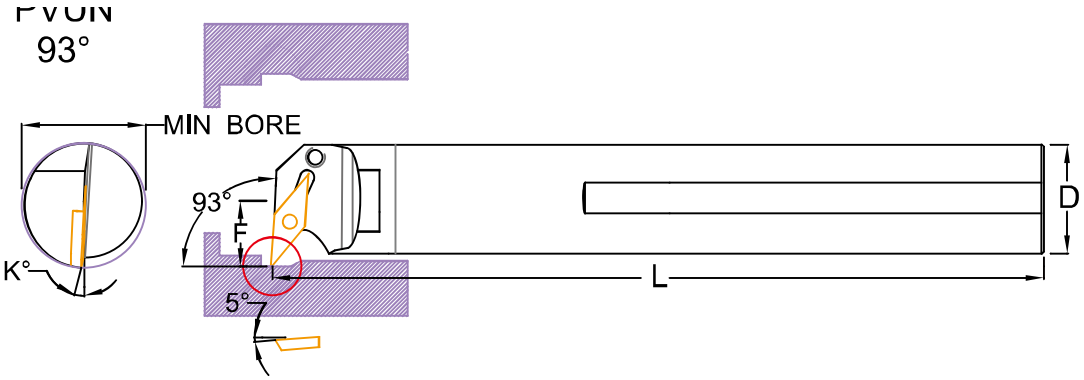
Order No.	Insert	Wrench					Parts			Wrench
Rught/Left		A	B	C	E	F				
PSDNN-2020K12	SNMG1204	20	20	125	26	10	GPC4	LSP3	GSL17	LW025
PSDNN-2525M12	SNMG1204	25	25	150	26	12.5	GPC4	LSP3	GSL17	LW025
PSDNN-3232P12	SNMG1204	32	32	170	28	26	GPC4	LSP3	GSL17	LW025

PWLN 95°



Order No.	Insert	Wrench					Parts			Wrench
Rught/Left		A	B	C	E	F				
PWLNR-2020K08	WNMG0804	20	20	125	26	25	GPC4	LSP3	GSL17	LW025
PWLNR-2525M08	WNMG0804	25	25	150	28	32	GPC4	LSP3	GSL17	LW025
PWLNR-3232P08	WNMG0804	32	32	170	28	40	GPC4	LSP3	GSL17	LW025

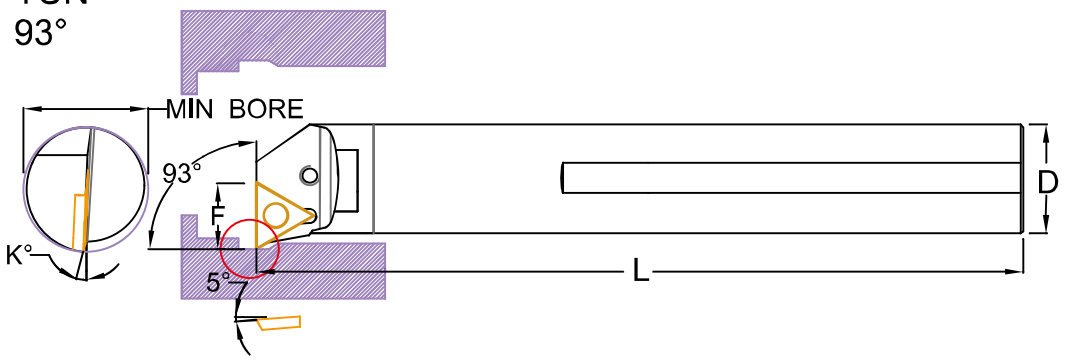
One-Piece Anti-Vibration Solid Boring Bar



Order No.	Insert	Wrench					Parts			Wrench
Rught/Left		D	F	K	L	B				
B20Q4-PVUNR/L-16	VNMG1604	20	13	12	180	24	GPT3	LSP2	GSL14	LW025
B25R4-PVUNR/L-16	VNMG1604	25	17	12	200	31	GPT3	LSP2	GSL14	LW025
B32S4-PVUNR/L-16	VNMG1604	32	22	12	250	39	GPT3	LSP2	GSL14	LW025

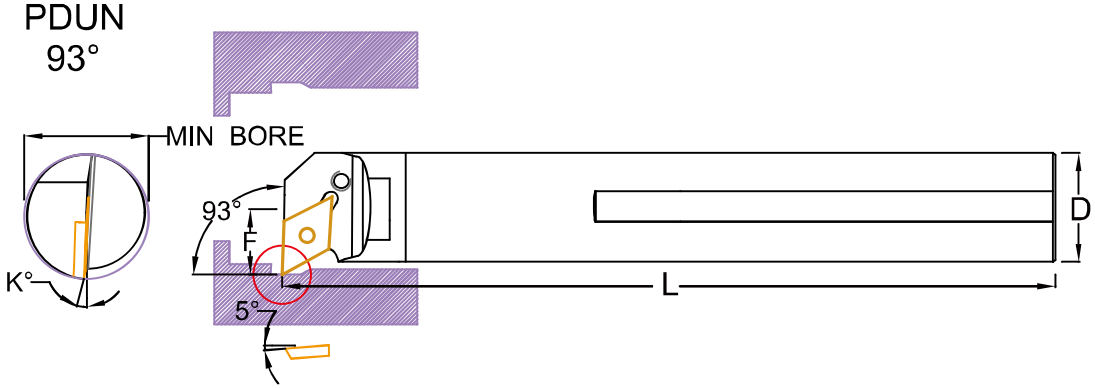
One-Piece Anti-Vibration Solid Boring Bar

PTUN
93°



Order No.	Insert	Wrench					Parts			Wrench
Rught/Left		D	F	K	L	B				
B20Q4-PTUNR/L-16	TNMG1604	20	13	17	180	24	GPT3	LSP2	GSL14	LW025
B25R4-PTUNR/L-16	TNMG1604	25	17	14	200	31	GPT3	LSP2	GSL14	LW025
B32S4-PTUNR/L-16	TNMG1604	32	22	10	250	39	GPT3	LSP2	GSL14	LW025

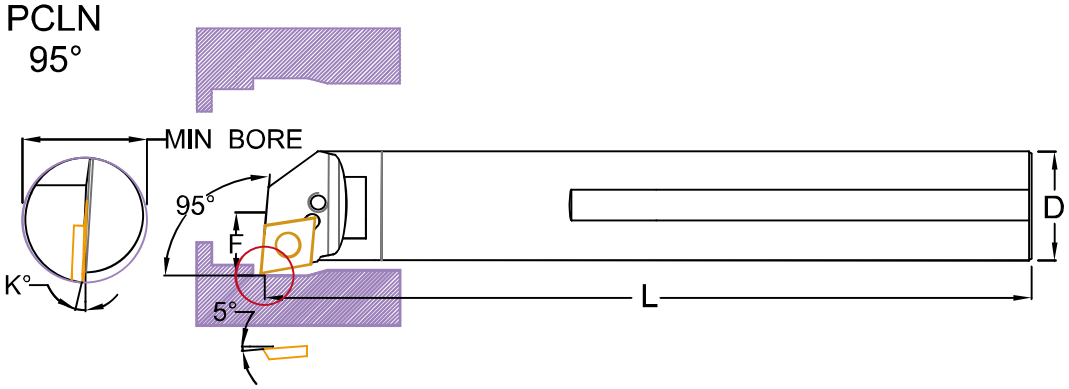
PDUN
93°



Order No.	Insert	Wrench					Parts			Wrench
Rught/Left		D	F	K	L	B				
B20Q4-PDUNR/L-1504/1506	DNMG1504/1506	20	13	10	180	24	GPC4	LSP3	GSL14	LW025
B25R4-PDUNR/L-1504/1506	DNMG1504/1506	25	17	10	200	31	GPC4	LSP3	GSL14	LW025
B32S4-PDUNR/L-1504/1506	DNMG1504/1506	32	22	17	250	39	GPC4	LSP3	GSL14	LW025

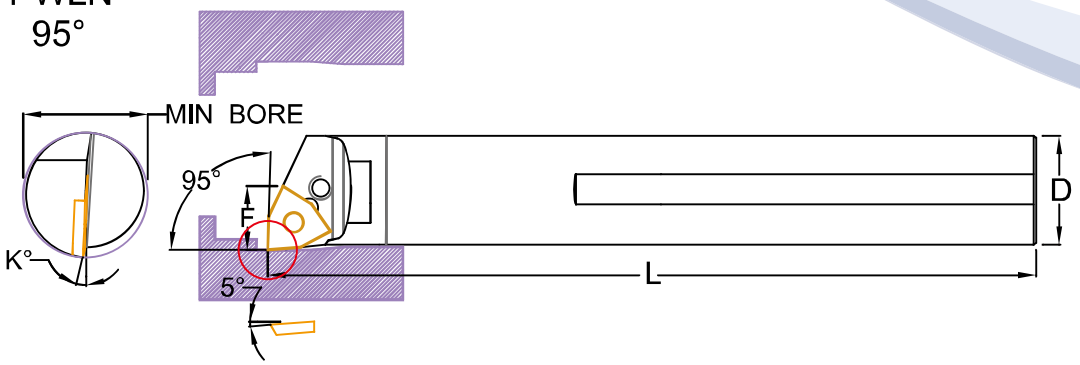
One-Piece Anti-Vibration Solid Boring Bar

PCLN
95°



Order No.	Insert	Wrench					Parts			Wrench
Rught/Left		D	F	K	L	B				
B20Q4-PCLNR/L-12	CNMG1204	20	13	12	180	24	GPC4	LSP3	GSL17	LW025
B25R4-PCLNR/L-12	CNMG1204	25	17	11	200	31	GPC4	LSP3	GSL17	LW025
B32S4-PCLNR/L-12	CNMG1204	32	22	11	250	39	GPC4	LSP3	GSL17	LW025

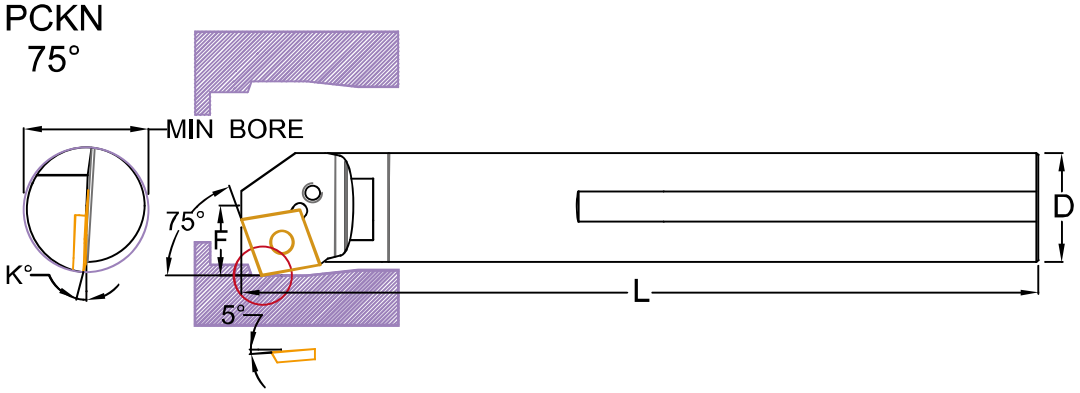
PWLN
95°



Order No.	Insert	Wrench					Parts			Wrench
Rught/Left		D	F	K	L	B				
B20Q4-PWLNR/L-08	WNMG0802	20	13	14	180	24	GPC4	LSP3	GSL17	LW025
B25R4-PWLNR/L-08	WNMG0802	25	17	12	200	31	GPC4	LSP3	GSL17	LW025
B32S4-PWLNR/L-08	WNMG0802	32	22	10	250	39	GPC4	LSP3	GSL17	LW025

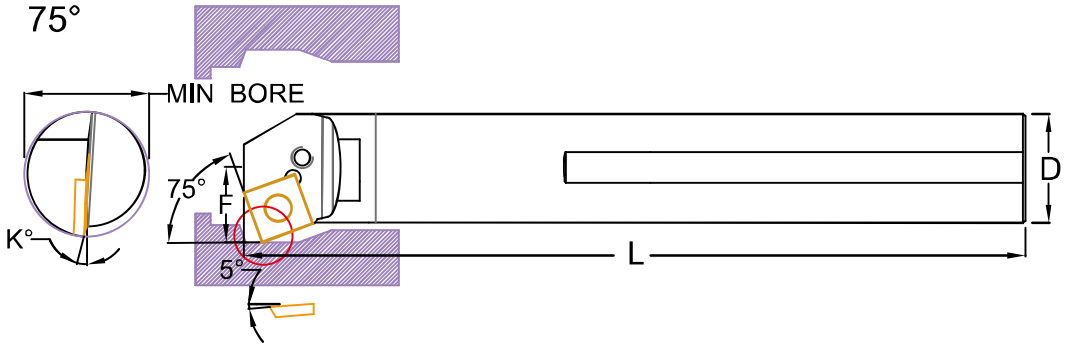
One-Piece Anti-Vibration Solid Boring Bar

PCKN
75°



Order No.	Insert	Wrench					Parts			Wrench
Rught/Left		D	F	K	L	B				
B20Q4-PCKNR/L-12	CNMG1204	20	13	17	180	24	GPC4	LSP3	GSL17	LW025
B25R4-PCKNR/L-12	CNMG1204	25	17	14	200	31	GPC4	LSP3	GSL17	LW025
B32S4-PCKNR/L-12	CNMG1204	32	22	14	250	39	GPC4	LSP3	GSL17	LW025

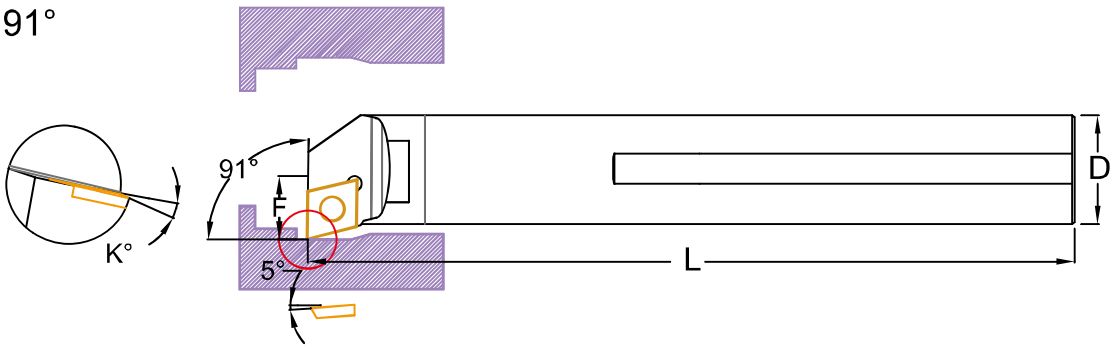
PSKN
75°



Order No.	Insert	Wrench					Parts			Wrench
Rught/Left		D	F	K	L	B				
B20Q4-PSKNR/L-12	SNMG1204	20	13	10	180	24	GPC4	LSP3	GSL17	LW025
B25R4-PSKNR/L-12	SNMG1204	25	17	10	200	31	GPC4	LSP3	GSL17	LW025
B32S4-PSKNR/L-12	SNMG1204	32	22	10	250	39	GPC4	LSP3	GSL17	LW025

One-Piece Anti-Vibration Solid Boring Bar

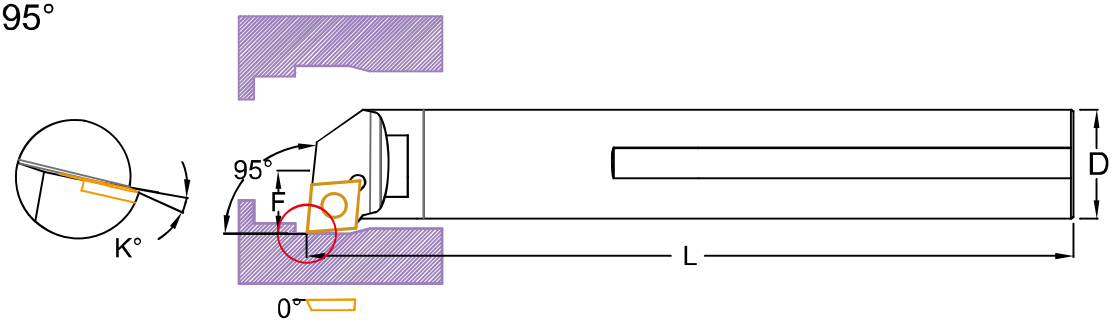
SCFC
91°



Order No.	Insert	Wrench					Parts	Wrench
Rught/Left		D	F	K	L	B		
B10M-SCFCR/L-06	CCMT0602	10	7	12	150	13	M2.5	T8
B10M-SCFCR/L-06-12	CCMT0602	10	6	12	150	12	M2.5	T8
B12M-SCFCR/L-06	CCMT0602	12	9	9	150	16	M2.5	T8
B12M-SCFCR/L-06-14	CCMT0602	12	7	9	150	14	M2.5	T8
B14Q-SCFCR/L-06	CCMT0602	14	9	8	180	17	M2.5	T8
B16Q-SCFCR/L-06	CCMT0602	16	11	7	180	20	M2.5	T8
B16Q-SCFCR/L-06-18	CCMT0602	16	9	7	180	18	M2.5	T8
B12M-SCFCR/L-09	CCMT09T3	12	9	13	150	16	M4	T15
B12M-SCFCR/L-09-14	CCMT09T3	12	7	13	150	14	M4	T15
B14Q-SCFCR/L-09	CCMT09T3	14	9	11	180	17	M4	T15
B16Q-SCFCR/L-09	CCMT09T3	16	11	9	180	20	M4	T15
B16Q-SCFCR/L-09-18	CCMT09T3	16	9	9	180	18	M4	T15
B18R-SCFCR/L-09	CCMT09T3	18	12	8	200	21	M4	T15

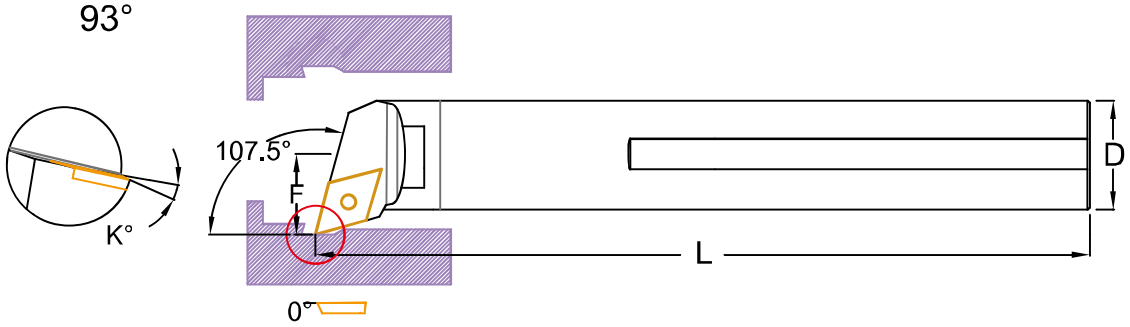
One-Piece Anti-Vibration Solid Boring Bar

SCLC
95°



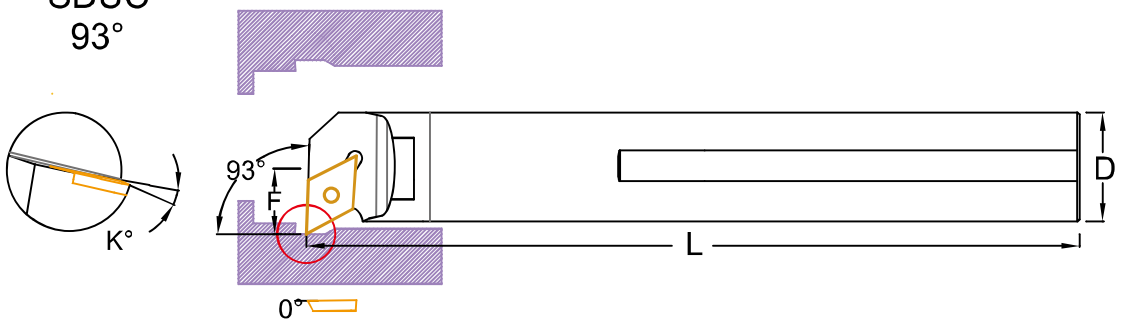
Order No.	Insert	Wrench					Parts	Wrench
Rught/Left		D	F	K	L	B		
B10M-SCLCR/L-06	CCMT0602	10	7	12	150	13	M2.5	T8
B10M-SCLCR/L-06-12	CCMT0602	10	6	12	150	12	M2.5	T8
B12M-SCLCR/L-06	CCMT0602	12	9	9	150	16	M2.5	T8
B12M-SCLCR/L-06-14	CCMT0602	12	7	9	150	14	M2.5	T8
B14Q-SCLCR/L-06	CCMT0602	14	9	8	180	17	M2.5	T8
B16Q-SCLCR/L-06	CCMT0602	16	11	7	180	20	M2.5	T8
B16Q-SCLCR/L-06-18	CCMT0602	16	9	7	180	18	M2.5	T8
B12M-SCLCR/L-09	CCMT09T3	12	9	13	150	16	M4	T15
B12M-SCLCR/L-09-14	CCMT09T3	12	7	13	150	14	M4	T15
B14Q-SCLCR/L-09	CCMT09T3	14	9	11	180	17	M4	T15
B16Q-SCLCR/L-09	CCMT09T3	16	11	9	180	20	M4	T15
B16Q-SCLCR/L-09-18	CCMT09T3	16	9	9	180	18	M4	T15
B18R-SCLCR/L-09	CCMT09T3	18	12	8	200	21	M4	T15

SDQC
93°



Order No.	Insert	Wrench					Parts	Wrench
Rught/Left		D	F	K	L	B		
B10M-SDQCR/L-07	DCMT0702	10	7	10	150	13	M2.5	T8
B12M-SDQCR/L-07	DCMT0702	12	9	8	150	16	M2.5	T8
B14Q-SDQCR/L-07	DCMT0702	14	9	8	180	17	M2.5	T8
B16Q-SDQCR/L-07	DCMT0702	16	11	6	180	20	M2.5	T8
B16Q-SDQCR/L-11	DCMT11T3	16	11	7	180	20	M4	T15
B18R-SDQCR/L-07	DCMT0702	18	12	6	200	22	M2.5	T8
B18R-SDQCR/L-11	DCMT11T3	18	12	7	200	22	M4	T15

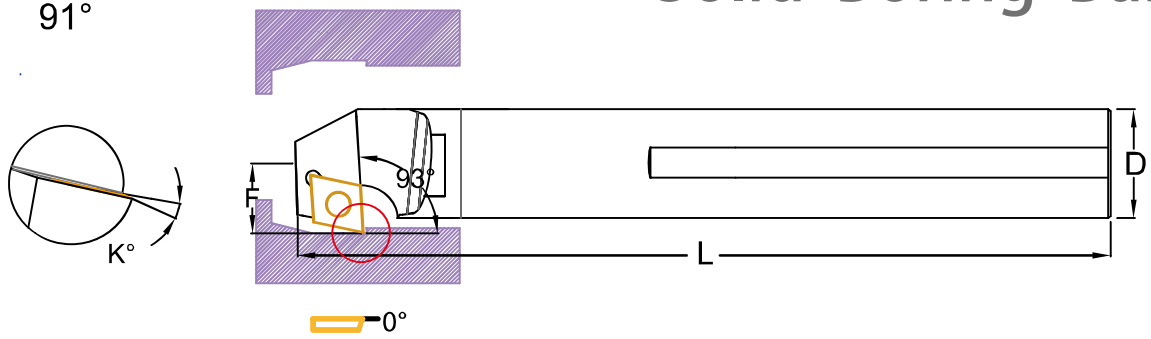
SDUC
93°



Order No.	Insert	Wrench					Parts	Wrench
Rught/Left		D	F	K	L	B		
B10M-SDUCR/L-07	DCMT0702	10	7	10	150	13	M2.5	T8
B12M-SDUCR/L-07	DCMT0702	12	9	8	150	16	M2.5	T8
B14Q-SDUCR/L-07	DCMT0702	14	9	8	180	17	M2.5	T8
B16Q-SDUCR/L-07	DCMT0702	16	11	6	180	20	M2.5	T8
B16Q-SDUCR/L-11	DCMT11T3	16	11	7	180	20	M4	T15
B18R-SDUCR/L-07	DCMT0702	18	12	6	200	22	M2.5	T8
B18R-SDUCR/L-11	DCMT11T3	18	12	7	200	22	M4	T15

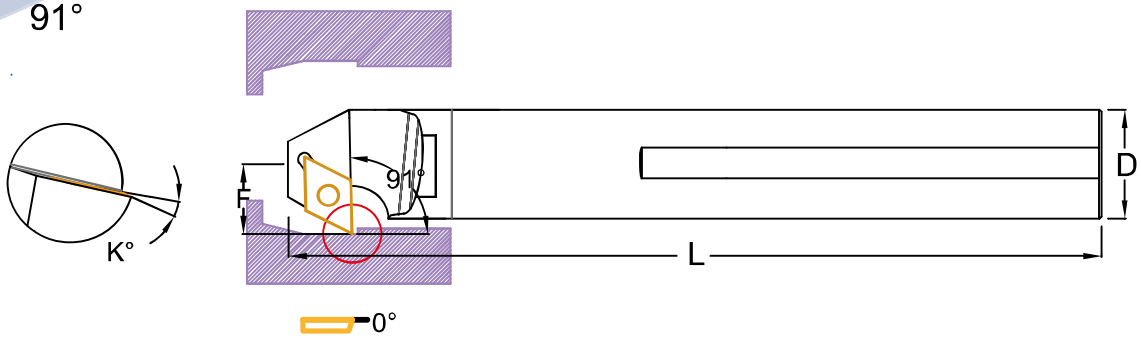
One-Piece Anti-Vibration Solid Boring Bar

SCZC
91°



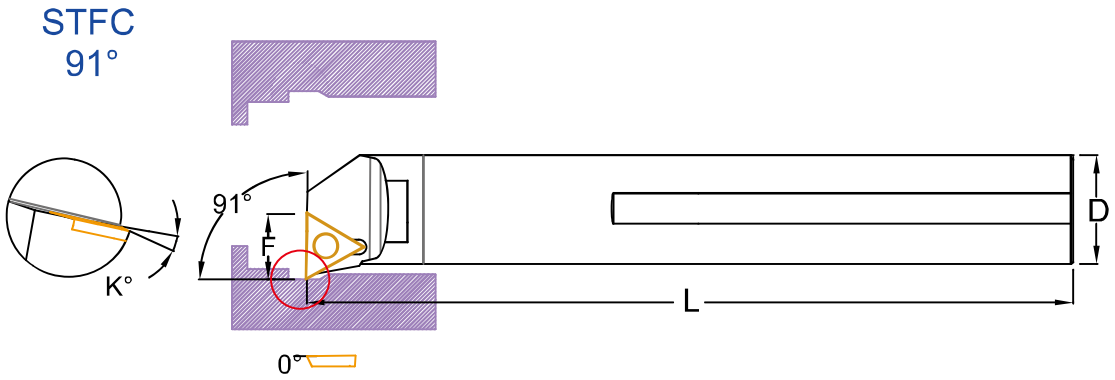
Order No.	Insert	Wrench					Parts	Wrench
Rught/Left		D	F	K	L	B		
B10M-SCZCR/L-06	CCMT0602	10	7.5	12	150	14	M2.5	T8
B12M-SCZCR/L-06	CCMT0602	12	8.5	10	150	16	M2.5	T8
B14Q-SCZCR/L-06	CCMT0602	14	8.5	10	180	17	M2.5	T8
B16Q-SCZCR/L-09	CCMT09T3	16	11.5	10	180	21	M4	T15
B18R-SCZCR/L-09	CCMT09T3	18	11.5	10	200	22	M4	T15

SDZC
91°



Order No.	Insert	Wrench					Parts	Wrench
Rught/Left		D	F	K	L	B		
B10M-SDZCR/L-07	DCMT0702	10	8.5	10	150	15	M2.5	T8
B12M-SDZCR/L-07	DCMT0702	12	10.5	9	150	18	M2.5	T8
B14Q-SDZCR/L-07	DCMT0702	14	10.5	9	180	19	M2.5	T8
B16Q-SDZCR/L-07	DCMT0702	16	12.5	8	180	22	M2.5	T8
B18R-SDZCR/L-07	DCMT0702	18	12.5	8	200	23	M2.5	T8

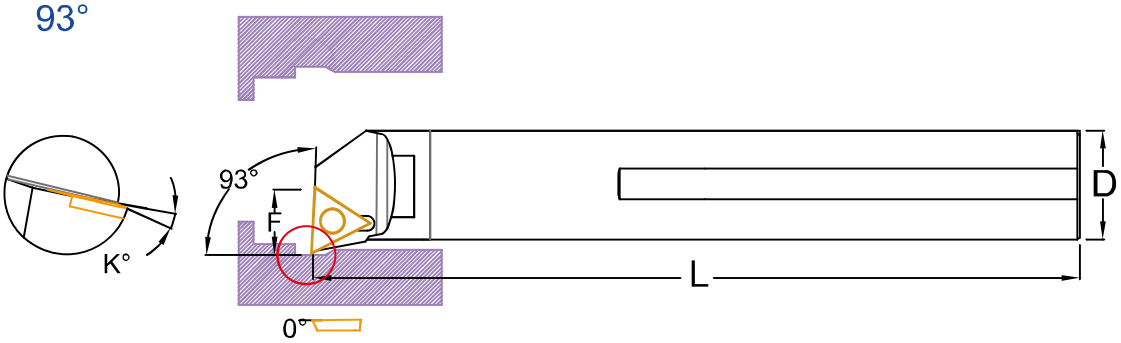
One-Piece Anti-Vibration Solid Boring Bar



Order No.	Insert	Wrench					Parts	Wrench
Rught/Left		D	F	K	L	B		
B10M-STFCR/L-09	TCMT0902	10	7	15	150	13	M2.5	T8
B10M-STFCR/L-11	TCMT1102	10	7	15	150	13	M2.5	T8
B12M-STFCR/L-09	TCMT0902	12	9	10	150	16	M2.5	T8
B12M-STFCR/L-11	TCMT1102	12	9	10	150	16	M2.5	T8
B12M-STFCR/L-11-14	TCMT1102	12	7	10	150	14	M2.5	T8
B14Q-STFCR/L-11	TCMT1102	14	8	10	180	16	M2.5	T8
B16Q-STFCR/L-11	TCMT1102	16	11	6	180	20	M2.5	T8
B16Q-STFCR/L-11-18	TCMT1102	16	9	8	180	18	M2.5	T8
B18R-STFCR/L-11	TCMT1102	18	10	8	200	20	M2.5	T8

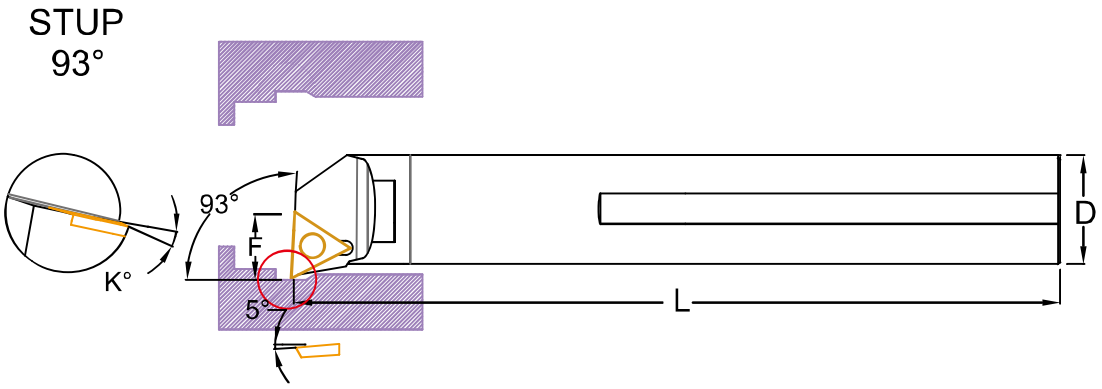
One-Piece Anti-Vibration Solid Boring Bar

STUC
93°



Order No.	Insert	Wrench					Parts	Wrench
Rught/Left		D	F	K	L	B		
B10M-STUCR/L-11	TCMT1102	10	6	12	150	12	M2.5	T8
B12M-STUCR/L-11	TCMT1102	12	7	10	150	14	M2.5	T8
B14Q-STUCR/L-11	TCMT1102	14	8	8	180	16	M2.5	T8
B16Q-STUCR/L-11	TCMT1102	16	9	8	180	18	M2.5	T8
B18 R-STUCR/L-11	TCMT1102	18	10	6	200	20	M2.5	T8

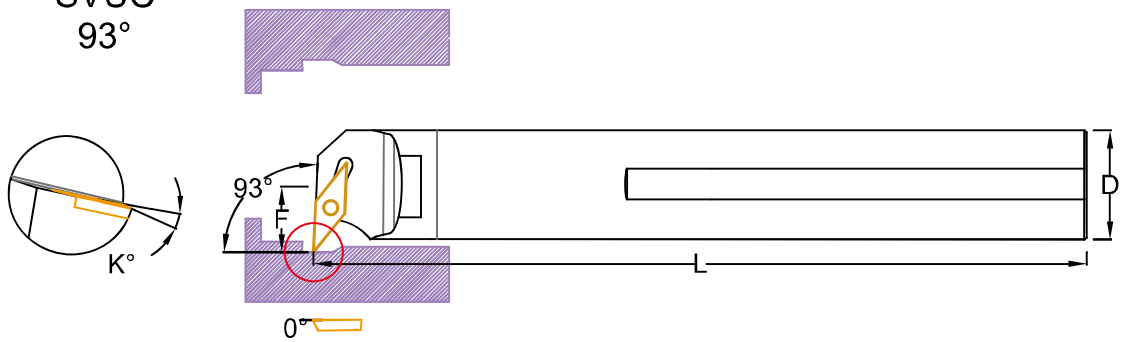
One-Piece Anti-Vibration Solid Boring Bar



Order No.	Insert	Wrench					Parts	Wrench
Rught/Left		D	F	K	L	B		
B10M-STUPR/L-9-12	TPMT0902	10	6	8	150	12	M2.5	T8
B10M-STUPR/L-11-12	TPMT1103	10	6	8	150	12	M3	T10
B12M-STUPR/L-09	TPMT0902	12	8	5	150	15	M2.5	T8
B12M-STUPR/L-09-14	TPMT0902	12	7	5	150	14	M2.5	T8
B12M-STUPR/L-11	TPMT1103	12	8	6	150	15	M3	T10
B12M-STUPR/L-11-14	TPMT1103	12	7	6	150	14	M3	T10
B14Q-STUPR/L-11	TPMT1103	14	8.5	8	180	17	M3	T10
B16Q-STUPR/L-11	TPMT1103	16	10	2	180	19	M3	T10
B18R-STUPR/L-11	TPMT1103	18	10	6	200	20	M3	T10

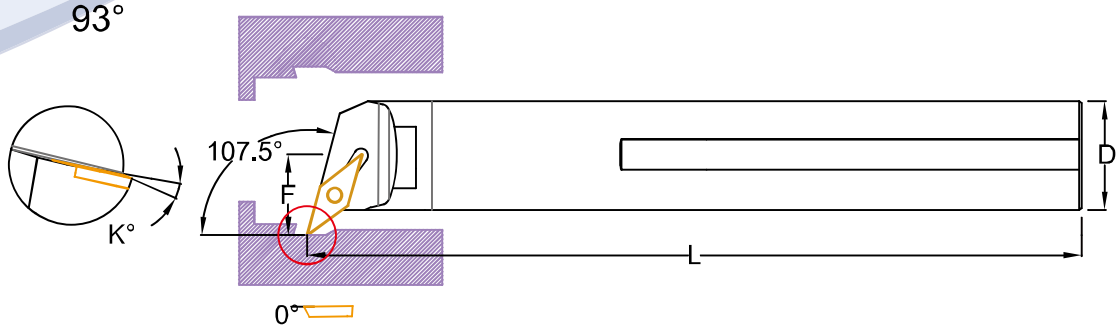
One-Piece Anti-Vibration Solid Boring Bar

SVUC
93°



Order No.	Insert	Wrench					Parts	Wrench
Rught/Left		D	F	K	L	B		
B16Q-SVUCR/L-11	VCMT1103	16	13	7	180	22	M2.5	T8
B18R-SVUCR/L-11	VCMT1103	18	13.25	8	200	24	M2.5	T8
B16X-SVUCR/L-11	VCMT1103	16	13	7	220	22	M2.5	T8
B18X-SVUCR/L-11	VCMT1103	18	13.25	8	240	24	M2.5	T8

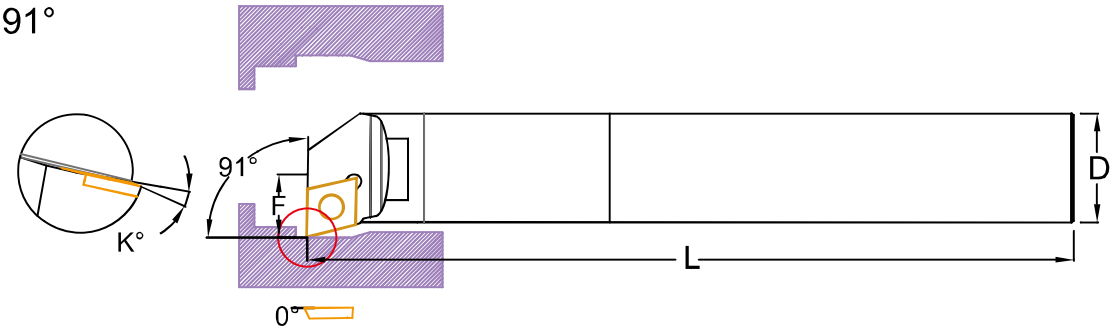
SVQC
93°



Order No.	Insert	Wrench					Parts	Wrench
Rught/Left		D	F	K	L	B		
B16Q-SVQCR/L-11	VCMT1103	16	13	7	180	22	M2.5	T8
B18R-SVQCR/L-11	VCMT1103	18	13.25	8	200	24	M2.5	T8
B16X-SVQCR/L-11	VCMT1103	16	13	7	220	22	M2.5	T8
B18X-SVQCR/L-11	VCMT1103	18	13.25	8	240	24	M2.5	T8

Three-section Anti-vibration boring bar

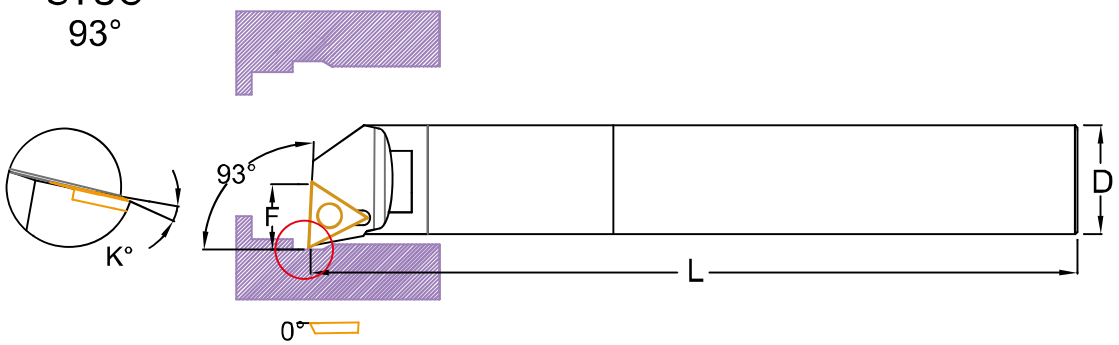
SCFC
91°



Order No.	Insert	Wrench					Parts	Wrench	R
Rught/Left		D	F	K	L	B			
M3S10M-SCFCR-06	CCMT0602	10	7	12	150	13	M2.5	T8	6D
M3S10Q-SCFCR-06	CCMT0602	10	7	12	180	13	M2.5	T8	8D
M3S12M-SCFCR-06/09	CCMT0602/09T3	12	9	14	150	16	M2.5/4	T8/15	6D
M3S12Q-SCFCR-06/09	CCMT0602/09T3	12	9	14	180	16	M2.5/4	T8/15	8D
M3S12X-SCFCR-09	CCMT09T3	12	9	14	210	16	M4	T15	10D
M3S14Q-SCFCR-06/09	CCMT0602/09T3	14	9	17	180	17	M2.5/4	T8/15	6D
M3S14R-SCFCR-06/09	CCMT0602/09T3	14	9	17	200	17	M2.5/4	T8/15	8D
M3S14X-SCFCR-09	CCMT09T3	14	9	17	240	17	M4	T15	10D
M3S14X-SCFCR-09	CCMT09T3	14	9	17	260	17	M4	T15	12D
M3S16Q-SCFCR-06/09	CCMT0602/09T3	16	11	18	180	20	M2.5/4	T8/15	6D
M3S16X-SCFCR-06/09	CCMT0602/09T3	16	11	18	220	20	M2.5/4	T8/15	8D
M3S16S-SCFCR-09	CCMT09T3	16	11	18	250	20	M4	T15	10D
M3S16X-SCFCR-09	CCMT09T3	16	11	18	290	20	M4	T15	12D
M3S18R-SCFCR-09	CCMT09T3	18	12	12	200	21	M4	T15	6D
M3S18X-SCFCR-09	CCMT09T3	18	12	12	240	21	M4	T15	8D
M3S18X-SCFCR-09	CCMT09T3	18	12	12	280	21	M4	T15	10D
M3S18T-SCFCR-09	CCMT09T3	18	12	12	300	21	M4	T15	12D

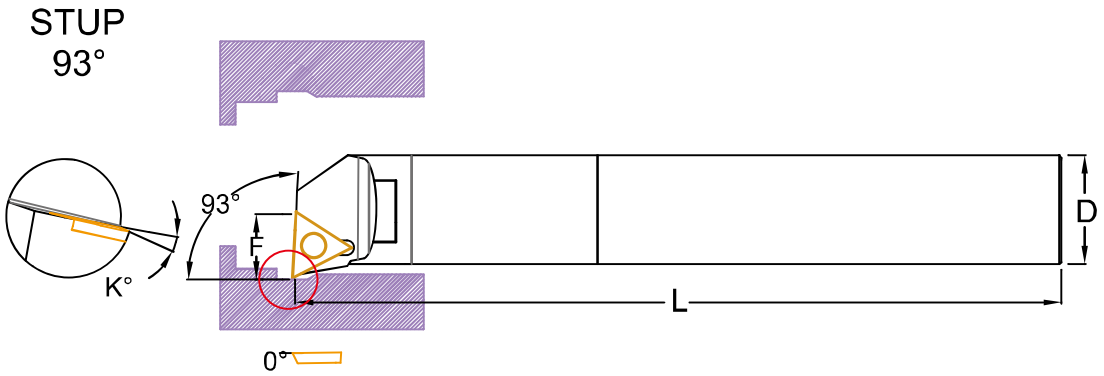
Three-section Anti-vibration boring bar

STUC
93°



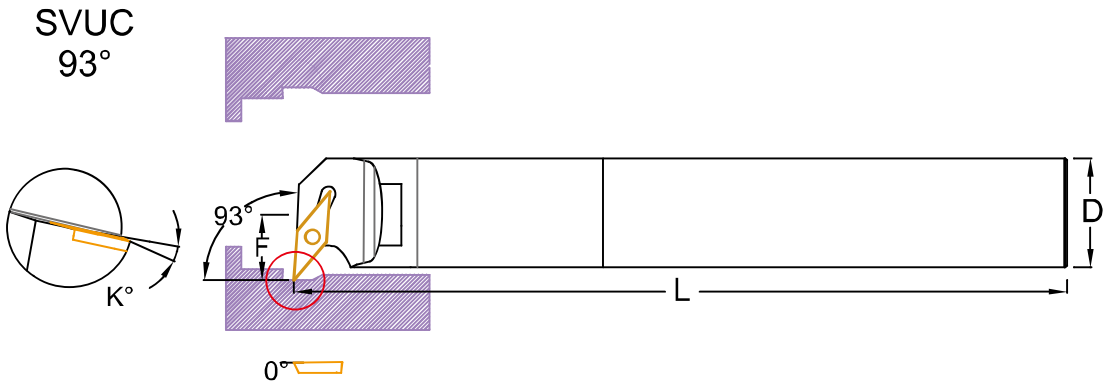
Order No.	Insert	Wrench					Parts	Wrench	R
Rught/Left		D	F	K	L	B			
M3S10M-STUCR-11	TCMT1102	10	6	12	150	12	M2.5	T8	6D
M3S10Q-STUCR-11	TCMT1102	10	6	12	180	12	M2.5	T8	8D
M3S12M-STUCR-11	TCMT1102	12	7	10	150	14	M2.5	T8	6D
M3S12Q-STUCR-11	TCMT1102	12	7	10	180	14	M2.5	T8	8D
M3S12X-STUCR-11	TCMT1102	12	7	10	210	14	M2.5	T8	10D
M3S14Q-STUCR-11	TCMT1102	14	8	8	180	16	M2.5	T8	6D
M3S14R-STUCR-11	TCMT1102	14	8	8	200	16	M2.5	T8	8D
M3S14X-STUCR-11	TCMT1102	14	8	8	240	16	M2.5	T8	10D
M3S14X-STUCR-11	TCMT1102	14	8	8	260	16	M2.5	T8	12D
M3S16Q-STUCR-11	TCMT1102	16	9	8	180	18	M2.5	T8	6D
M3S16X-STUCR-11	TCMT1102	16	9	8	220	18	M2.5	T8	8D
M3S16S-STUCR-11	TCMT1102	16	9	8	250	18	M2.5	T8	10D
M3S16X-STUCR-11	TCMT1102	16	9	8	290	18	M2.5	T8	12D
M3S18R-STUCR-11	TCMT1102	18	10	6	200	20	M2.5	T8	6D
M3S18X-STUCR-11	TCMT1102	18	10	6	240	20	M2.5	T8	8D
M3S18X-STUCR-11	TCMT1102	18	10	6	280	20	M2.5	T8	10D
M3S18T-STUCR-11	TCMT1102	18	10	6	300	20	M2.5	T8	12D

Three-section Anti-vibration boring bar



Order No.	Insert	Wrench					Parts	Wrench	R
Rught/Left		D	F	K	L	B			
M3S10M-STUPR-11	TPMT1103	10	6	8	150	12	M3	T10	6D
M3S10Q-STUPR-11	TPMT1103	10	6	8	180	12	M3	T10	8D
M3S12M-STUPR-11	TPMT1103	12	8	6	150	15	M3	T10	6D
M3S12Q-STUPR-11	TPMT1103	12	8	6	180	15	M3	T10	8D
M3S12X-STUPR-11	TPMT1103	12	8	6	210	15	M3	T10	10D
M3S14Q-STUPR-11	TPMT1103	14	8.5	8	180	17	M3	T10	6D
M3S14R-STUPR-11	TPMT1103	14	8.5	8	200	17	M3	T10	8D
M3S14X-STUPR-11	TPMT1103	14	8.5	8	240	17	M3	T10	10D
M3S14X-STUPR-11	TPMT1103	14	8.5	8	260	17	M3	T10	12D
M3S16Q-STUPR-11	TPMT1103	16	10	2	180	19	M3	T10	6D
M3S16X-STUPR-11	TPMT1103	16	10	2	220	19	M3	T10	8D
M3S16S-STUPR-11	TPMT1103	16	10	2	250	19	M3	T10	10D
M3S16X-STUPR-11	TPMT1103	16	10	2	290	19	M3	T10	12D
M3S18R-STUPR-11	TPMT1103	18	10	6	200	20	M3	T10	6D
M3S18X-STUPR-11	TPMT1103	18	10	6	240	20	M3	T10	8D
M3S18X-STUPR-11	TPMT1103	18	10	6	280	20	M3	T10	10D
M3S18T-STUPR-11	TPMT1103	18	10	6	300	20	M3	T10	12D

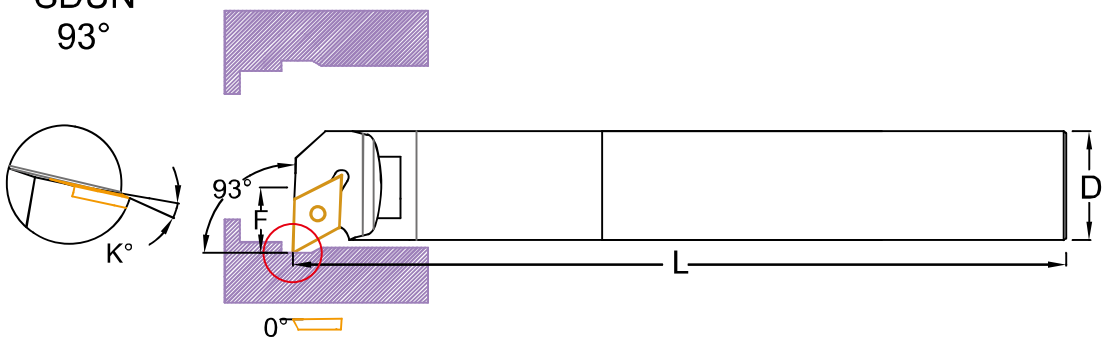
Three-section Anti-vibration boring bar



Order No.	Insert	Wrench					Parts	Wrench	R
Rught/Left		D	F	K	L	B			
M3S16Q-SVUCR-11	VCMT1103	16	13	7	180	22	M2.5	T8	6D
M3S16X-SVUCR-11	VCMT1103	16	13	7	220	22	M2.5	T8	8D
M3S16 S-SVUCR-11	VCMT1103	16	13	7	250	22	M2.5	T8	10D
M3S16X-SVUCR-11	VCMT1103	16	13	7	290	22	M2.5	T8	12D
M3S18R-SVUCR-11	VCMT1103	18	13.25	8	200	24	M2.5	T8	6D
M3S18 X-SVUCR-11	VCMT1103	18	13.25	8	240	24	M2.5	T8	8D
M3S18X-SVUCR-11	VCMT1103	18	13.25	8	280	24	M2.5	T8	10D
M3S18T-SVUCR-11	VCMT1103	18	13.25	8	300	24	M2.5	T8	12D

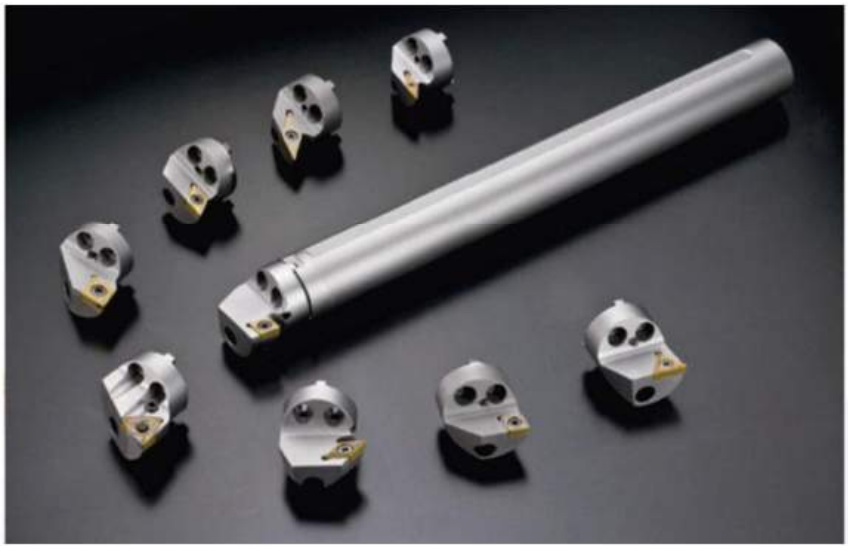
Three-section Anti-vibration boring bar

SDUN
93°



Order No.	Insert	Wrench					Parts	Wrench	R
Rught/Left		D	F	K	L	B			
M3S10M-SDUCR-07	DCMT0702	10	7	10	150	13	M2.5	T8	6D
M3S10Q-SDUCR-07	DCMT0702	10	7	10	180	13	M2.5	T8	8D
M3S12M-SDUCR-07	DCMT0702	12	9	8	150	16	M2.5	T8	6D
M3S12Q-SDUCR-07	DCMT0702	12	9	8	180	16	M2.5	T8	8D
M3S12X-SDUCR-07	DCMT0702	12	9	8	210	16	M2.5	T8	10D
M3S14Q-SDUCR-07	DCMT0702	14	9	8	180	17	M2.5	T8	6D
M3S14R-SDUCR-07	DCMT0702	14	9	8	200	17	M2.5	T8	8D
M3S14X-SDUCR-07	DCMT0702	14	9	8	240	17	M2.5	T8	10D
M3S14X-SDUCR-07	DCMT0702	14	9	8	260	17	M2.5	T8	12D
M3S16Q-SDUCR-07	DCMT0702	16	11	6	180	20	M2.5	T8	6D
M3S16X-SDUCR-07	DCMT0702	16	11	6	220	20	M2.5	T8	8D
M3S16S-SDUCR-07	DCMT0702	16	11	6	250	20	M2.5	T8	10D
M3S16X-SDUCR-07	DCMT0702	16	11	6	290	20	M2.5	T8	12D
M3S18R-SDUCR-07	DCMT0702	18	12	6	200	22	M2.5	T8	6D
M3S18X-SDUCR-07	DCMT0702	18	12	6	240	22	M2.5	T8	8D
M3S18X-SDUCR-07	DCMT0702	18	12	6	280	22	M2.5	T8	10D
M3S18T-SDUCR-07	DCMT0702	18	12	6	300	22	M2.5	T8	12D

Removable Type Lathe Anti-Vibration Boring Bar



Removable type anti-vibration lathe cutters specifications					
Order No.	D	L	ParlsX3/PC3	WrenchX1/PCS	Anti-vibration Multiple
M6D-20-200	20	200	3mm x 8mm	3mm	6
M6D-25-250	25	250	4mm x 10mm	4mm	6
M6D-32-300	32	300	5mm x 12mm	5mm	6
M6D-40-350	40	350	6mm x 22mm	6mm	6
M6D-50-400-40	50	400	6mm x 22mm	6mm	6
M6D-60-480-40	60	480	6mm x 22mm	6mm	6
M8D-50-510-40	50	510	6mm x 22mm	6mm	8
M8D-60-600-40	60	600	6mm x 22mm	6mm	8
M10D-50-668-40	50	668	6mm x 22mm	6mm	10
M10D-60-808-40	60	808	6mm x 22mm	6mm	10

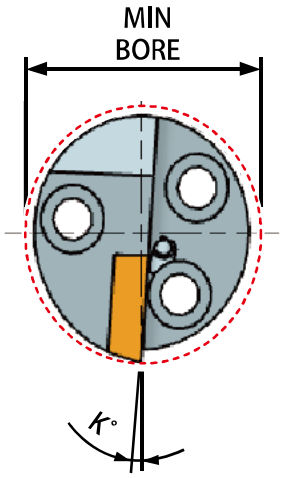
Removable Type Lathe Anti-Vibration Boring Bar is suitable for rough process.It will be better to use Removable Type Tornado Speed Cutter if you do finish process or have request for precision tolerance.

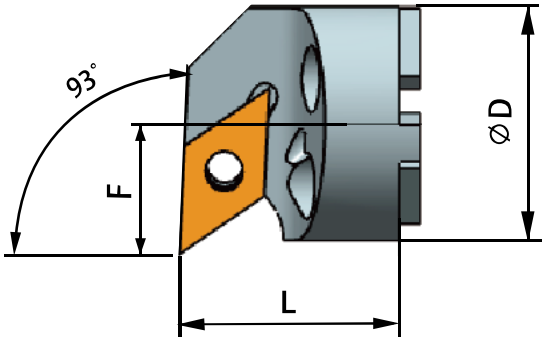
Removable Type Tornado Speed Cutter

Removable type anti-vibration lathe cutters specifications					
Order No.	D	L	ParlsX3/PC3	WrenchX1/PCS	Anti-vibration Multiple
TSC-20-200	20	200	3mm x 8mm	3mm	6
TSC-25-250	25	250	4mm x 10mm	4mm	6
TSC-32-300	32	300	5mm x 12mm	5mm	6
TSC-20-250	20	250	6mm x 8mm	3mm	8
TSC-25-300	25	300	6mm x 10mm	4mm	8
TSC-32-350	32	350	6mm x 12mm	5mm	8
TSC-20-300	20	300	6mm x 8mm	3mm	10
TSC-25-350	25	350	6mm x 10mm	4mm	10
TSC-32-420	32	420	6mm x 12mm	5mm	10
TSC-40-520	40	520	6mm x 12mm	6mm	10

Removable Type Cutting Head

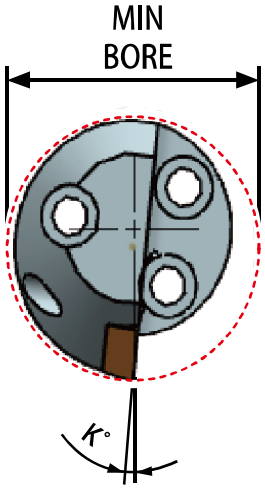
SDUC 93°

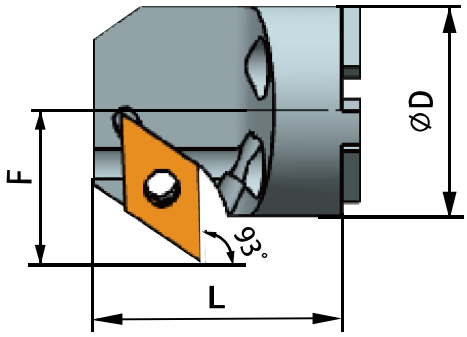




Order No.	Insert	Wrench					Parts	Wrench
Rught/Left		D	F	K	L	B		
CH2-20-SDUCR/L-07	DCMT0702	20	13	5	24.1	24	M2.5	T8
CH2-20-SDUCR/L-11	DCMT11T3	20	13	8	24.1	24	M4	T15
CH3-25-SDUCR/L-11	DCMT11T3	25	14	4	25.6	28	M4	T15
CH4-32-SDUCR/L-11	DCMT11T3	32	22	4	41.1	39	M4	T15
CH5-40-SDUCR/L-11	DCMT11T3	40	27	2	44.6	45	M4	T15

SDZC 93°

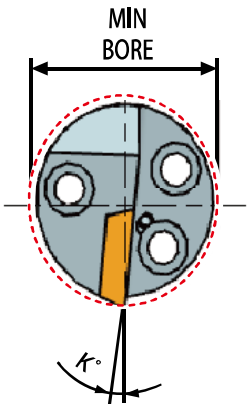


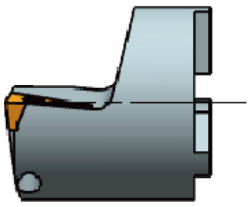


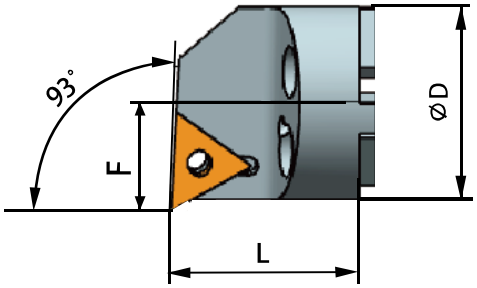
Order No.	Insert	Wrench					Parts	Wrench
Rught/Left		D	F	K	L	B		
CH2-20-SDZCR/L-07	DCMT0702	20	15.5	8	28.1	27	M2.5	T8
CH3-25-SDZCR/L-11	DCMT11T3	25	18	6	35.6	32	M4	T15
CH4-32-SDZCR/L-11	DCMT11T3	32	22	4	39.1	38	M4	T15
CH5-40-SDZCR/L-11	DCMT11T3	40	27	4	38.6	48	M4	T15

Removable Type Cutting Head

STUP 93°

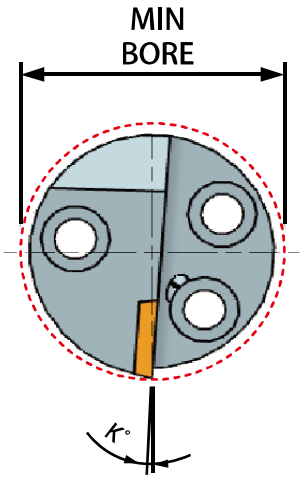


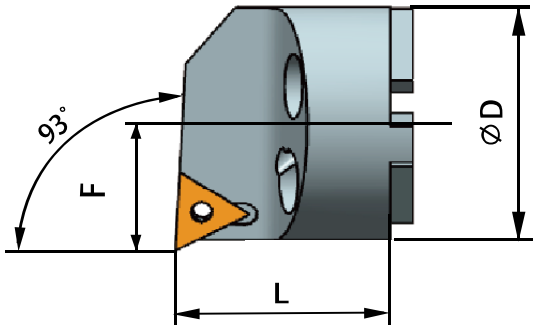




Order No.	Insert	Wrench					Parts	Wrench
Rught/Left		D	F	K	L	B		
CH2-20-STUPR/L-11	TPMT1103	20	12.5	2	28.1	24	M3	T10
CH2-20-STUPR/L-16	TPMT1604	20	12	8	28.1	23	M4	T15
CH3-25-STUPR/L-16	TPMT1604	25	14.5	8	30.6	28	M4	T15
CH4-32-STUPR/L-16	TPMT1604	32	18	6	34.1	35	M4	T15
CH5-40-STUPR/L-16	TPMT1604	40	27	6	35.6	48	M4	T15

STUC 93°

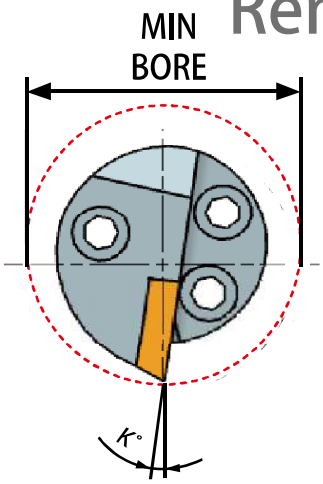


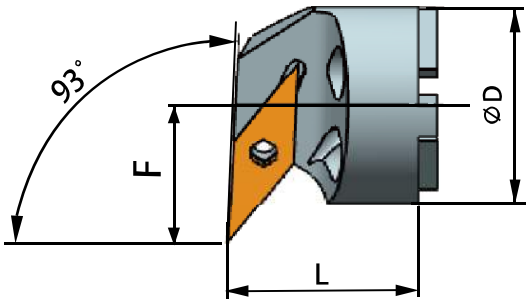


Order No.	Insert	Wrench					Parts	Wrench
Rught/Left		D	F	K	L	B		
CH2-20-STUCR/L-11	TCMT1102	20	11.5	6	28.1	23	M2.5	T8
CH2-20-STUCR/L-16	TCMT16T3	20	11.5	8	28.1	23	M4	T15
CH3-25-STUCR/L-16	TCMT16T3	25	14	6	29.6	28	M4	T15
CH4-32-STUCR/L-16	TCMT16T3	32	17.5	4	28.1	35	M4	T15
CH5-40-STUCR/L-16	TCMT16T3	40	27	0	35.6	48	M4	T15

Removable Type Cutting Head

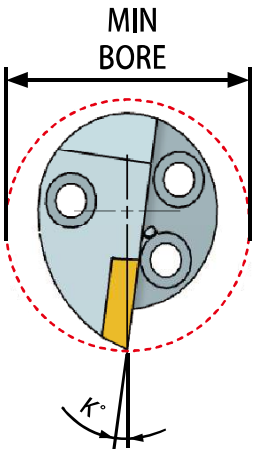
SVUC
93°

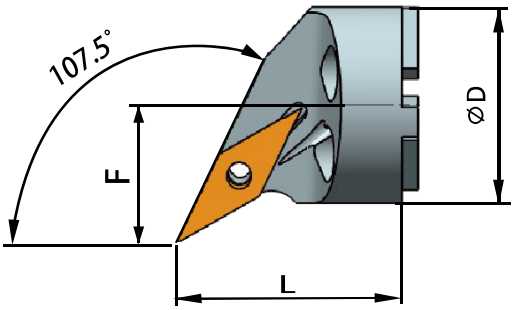




Order No.	Insert	Wrench					Parts	Wrench
Rught/Left		D	F	K	L	B		
CH2-20-SVUCR/L-11	VCMT1103	20	14	6	23.1	24	M2.5	T8
CH2-20-SVUCR/L-16	VCMT1604	20	21	8	23.1	23	M4	T15
CH3-25-SVUCR/L-16	VCMT1604	25	20.5	4	27.6	28	M4	T15
CH4-32-SVUCR/L-16	VCMT1604	32	22.5	6	29.9	35	M4	T15
CH5-40-SVUCR/L-16	VCMT1604	40	27	6	38.6	48	M4	T15

SVQC
107°

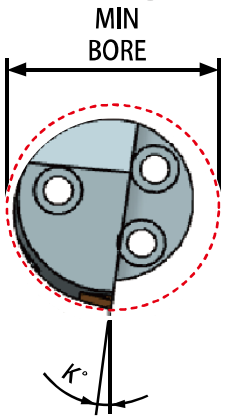


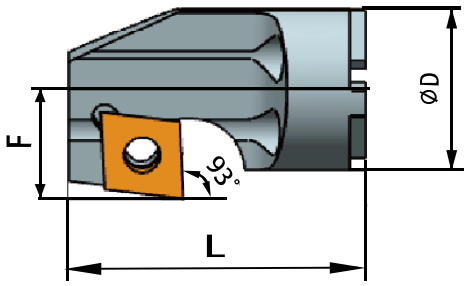


Order No.	Insert	Wrench					Parts	Wrench
Rught/Left		D	F	K	L	B		
CH2-20-SVQCR/L-11	VCMT1103	20	15	6	28.1	26	M2.5	T8
CH2-20-SVQCR/L-16	VCMT1604	20	19	8	28.1	30	M4	T15
CH3-25-SVQCR/L-16	VCMT1604	25	20.5	4	29.6	34	M4	T15
CH4-32-SVQCR/L-16	VCMT1604	32	22.5	8	40.1	40	M4	T15
CH5-40-SVQCR/L-16	VCMT1604	40	27	6	42.6	48	M4	T15

Removable Type Cutting Head

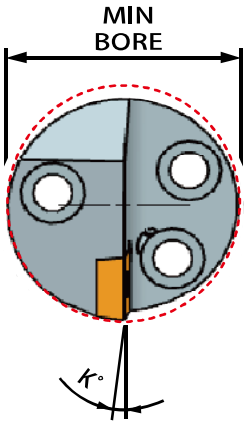
SCZC 93°

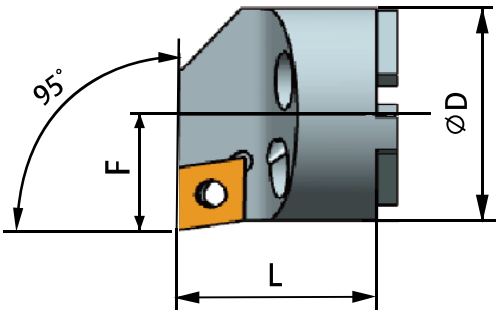




Order No.	Insert	Wrench					Parts	Wrench
Rught/Left		D	F	K	L	B		
CH2-20-SCZCR/L-09	CCMT09T3	20	13.5	8	34.1	25	M4	T15
CH3-25-SCZCR/L-09	CCMT09T3	25	16	6	35.6	30	M4	T15

SCLC 95°



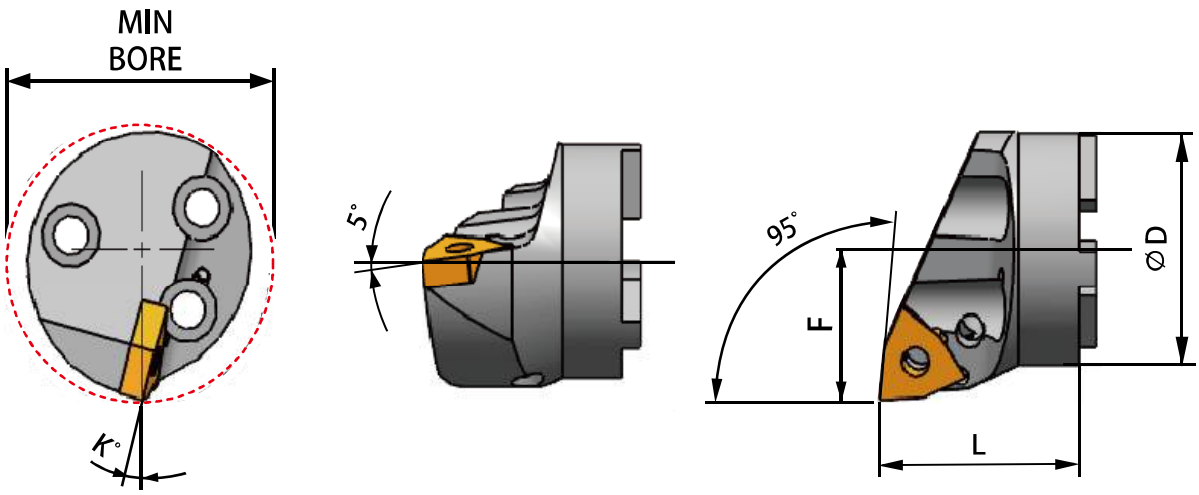


Order No.	Insert	Wrench					Parts	Wrench
Rught/Left		D	F	K	L	B		
CH2-20-SCLCR/L-09	CCMT09T3	20	13	7	26.1	24	M4	T15
CH2-20-SCLCR/L-12	CCMT1204	20	13	8	26.1	24	M5	T20
CH3-25-SCLCR/L-09	CCMT09T3	25	17	8	28.6	31	M4	T15
CH3-25-SCLCR/L-12	CCMT1204	25	17	8	28.6	31	M5	T20
CH4-32-SCLCR/L-09	CCMT09T3	32	18	6	32.1	35	M4	T15
CH4-32-SCLCR/L-09	CCMT09T3	32	18	6	32.1	39	M4	T15
CH4-32-SCLCR/L-12	CCMT1204	32	18	6	32.1	35	M5	T20
CH4-32-SCLCR/L-12	CCMT1204	32	18	6	32.1	39	M5	T20
CH5-40-SCLCR/L-12	CCMT1204	40	27	4	36.6	48	M5	T20

Removable Type Cutting Head

PCLNR
PSKNR
PCKNR
PWLNR
PTUNR

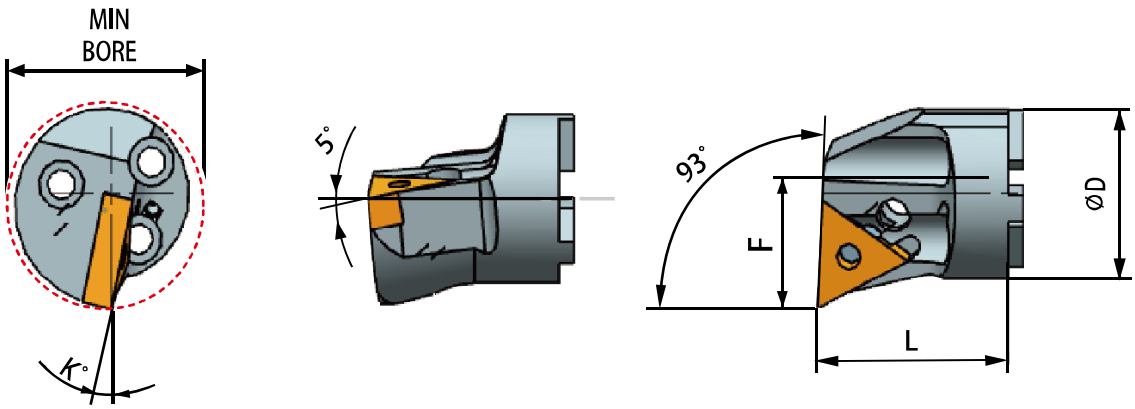
PWLN
95°



Order No.	Insert	Wrench					Parts			Wrench
Rught/Left		D	F	K	L	B				
CH2-20-PWLNR/L-08	WNMG0804	20	13	14	25.1	24	GPC4	LSP3	GSL17	LW025
CH3-25-PWLNR/L-08	WNMG0804	25	17	12	31.6	31	GPC4	LSP3	GSL17	LW025
CH4-32-PWLNR/L-08	WNMG0804	32	22	10	36.1	39	GPC4	LSP3	GSL17	LW025
CH5-40-PWLNR/L-08	WNMG0804	40	27	8	38.6	48	GPC4	LSP3	GSL17	LW025

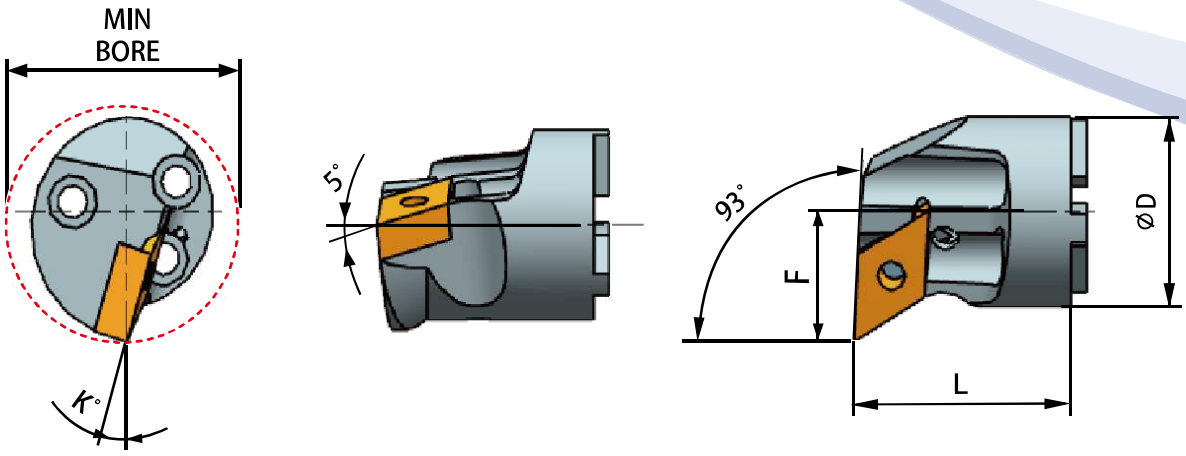
Removable Type Cutting Head

PTUN 93°



Order No.	Insert	Wrench					Parts			Wrench
Rught/Left		D	F	K	L	B				
CH2-20-PTUNR/L-16	TNMG1604	20	13	14	25.1	24	GPT3	LSP2	GSL14	LW025
CH3-25-PTUNR/L-16	TNMG1604	25	17	12	31.6	31	GPT3	LSP2	GSL14	LW025
CH4-32-PTUNR/L-16	TNMG1604	32	22	10	36.1	39	GPT3	LSP2	GSL14	LW025
CH5-40-PTUNR/L-16	TNMG1604	40	27	10	38.6	48	GPT3	LSP2	GSL14	LW025

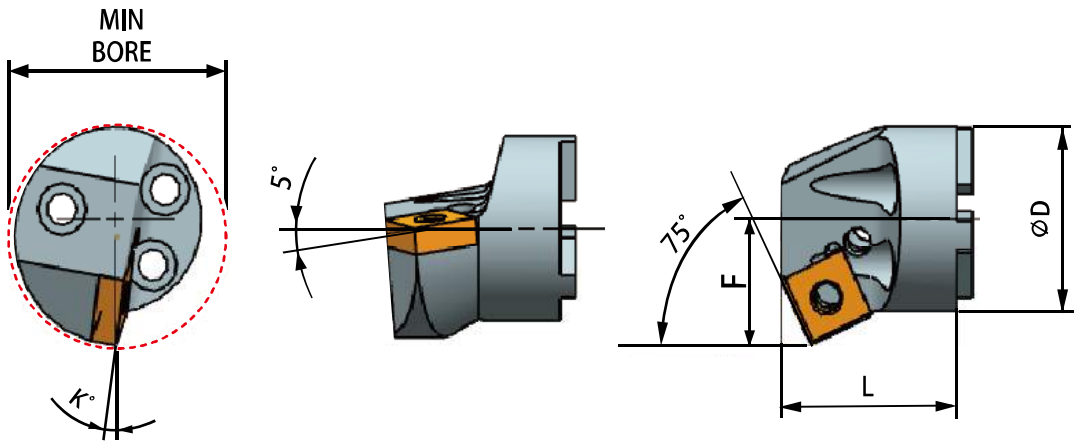
PDUN 93°



Order No.	Insert	Wrench					Parts			Wrench
Rught/Left		D	F	K	L	B				
CH2-20-PDUNR/L-1504/1506	DNMG1504/1506	20	13	14	25.1	24	GPT3	LSP2	GSL14	LW025
CH3-25-PDUNR/L-1504/1506	DNMG1504/1506	25	17	12	31.6	31	GPT3	LSP2	GSL14	LW025
CH4-32-PDUNR/L-1504/1506	DNMG1504/1506	32	22	10	36.1	39	GPT3	LSP2	GSL14	LW025
CH5-40-PDUNR/L-1504/1506	DNMG1504/1506	40	27	15	38.6	48	GPT3	LSP2	GSL14	LW025

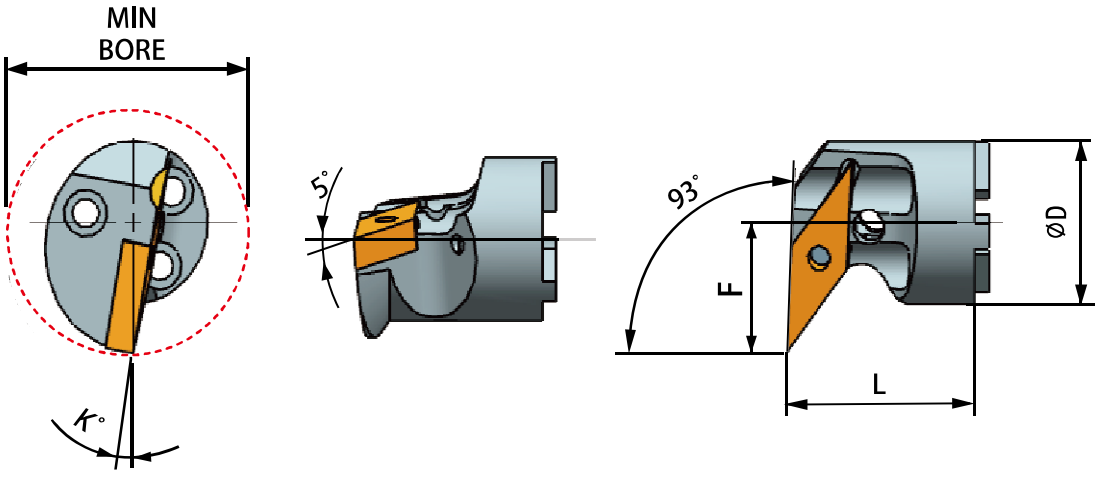
Removable Type Cutting Head

PSKN 75°



Order No.	Insert	Wrench					Parts			Wrench
Rught/Left		D	F	K	L	B				
CH2-20-PSKNR/L-12	SNMG1204	20	13	10	25.1	24	GPC4	LSP3	GSL17	LW025
CH3-25-PSKNR/L-12	SNMG1204	25	17	10	31.6	31	GPC4	LSP3	GSL17	LW025
CH4-32-PSKNR/L-12	SNMG1204	32	22	10	36.1	39	GPC4	LSP3	GSL17	LW025
CH5-40-PSKNR/L-12	SNMG1204	40	27	10	38.6	48	GPC4	LSP3	GSL17	LW025

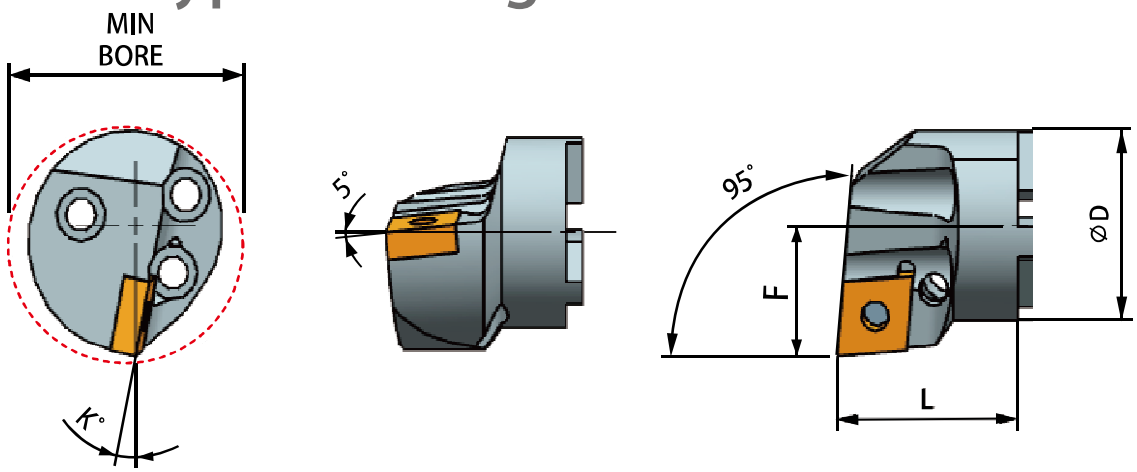
PVUN 93°



Order No.	Insert	Wrench					Parts			Wrench
Rught/Left		D	F	K	L	B				
CH2-20-PVUNR/L-1604	VNMG1604	20	13	12	25.1	24	GPT3	LSP2	GSL14	LW025
CH3-25-PVUNR/L-1604	VNMG1604	25	17	12	31.6	31	GPT3	LSP2	GSL14	LW025
CH4-32-PVUNR/L-1604	VNMG1604	32	22	12	36.1	39	GPT3	LSP2	GSL14	LW025
CH5-40-PVUNR/L-1604	VNMG1604	40	27	15	38.6	48	GPT3	LSP2	GSL14	LW025

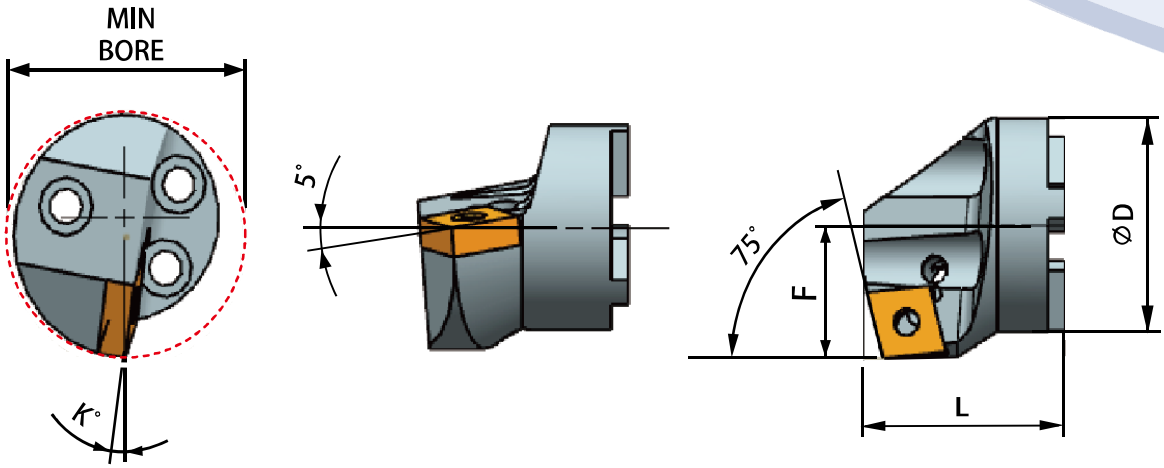
Removable Type Cutting Head

PCLN
95°



Order No.	Insert	Wrench					Parts			Wrench
Rught/Left		D	F	K	L	B				
CH2-20-PCLNR/L-12	CNMG1204	20	13	12	25.1	24	GPC4	LSP3	GSL17	LW025
CH3-25-PCLNR/L-12	CNMG1204	25	17	11	31.6	31	GPC4	LSP3	GSL17	LW025
CH4-32-PCLNR/L-12	CNMG1204	32	22	11	36.1	39	GPC4	LSP3	GSL17	LW025
CH5-40-PCLNR/L-12	CNMG1204	40	27	10	38.6	48	GPC4	LSP3	GSL17	LW025

PCKN
75°



Order No.	Insert	Wrench					Parts			Wrench
Rught/Left		D	F	K	L	B				
CH2-20-PCKNR/L-12	CNMG1204	20	13	17	25.1	24	GPC4	LSP3	GSL17	LW025
CH3-25-PCKNR/L-12	CNMG1204	25	17	14	31.6	31	GPC4	LSP3	GSL17	LW025
CH4-32-PCKNR/L-12	CNMG1204	32	22	14	36.1	39	GPC4	LSP3	GSL17	LW025
CH5-40-PCKNR/L-12	CNMG1204	40	27	12	38.6	48	GPC4	LSP3	GSL17	LW025

Anti-Vibration External Turning Tool With Double Coolant Holes

general cutting head for internal/external boring

Giant combinatuon type Lathe boring bar specifications		
Order-No	⦰D(mm)	L(mm)
M10D-100-1500-40	100	1500
M10D-120-1900-40	120	1900
M10D-150-2400-40	150	2400
M10D-180-2800-40	180	2800
M10D-200-3200-40	200	3200
M10D-250-4000-40	250	4000

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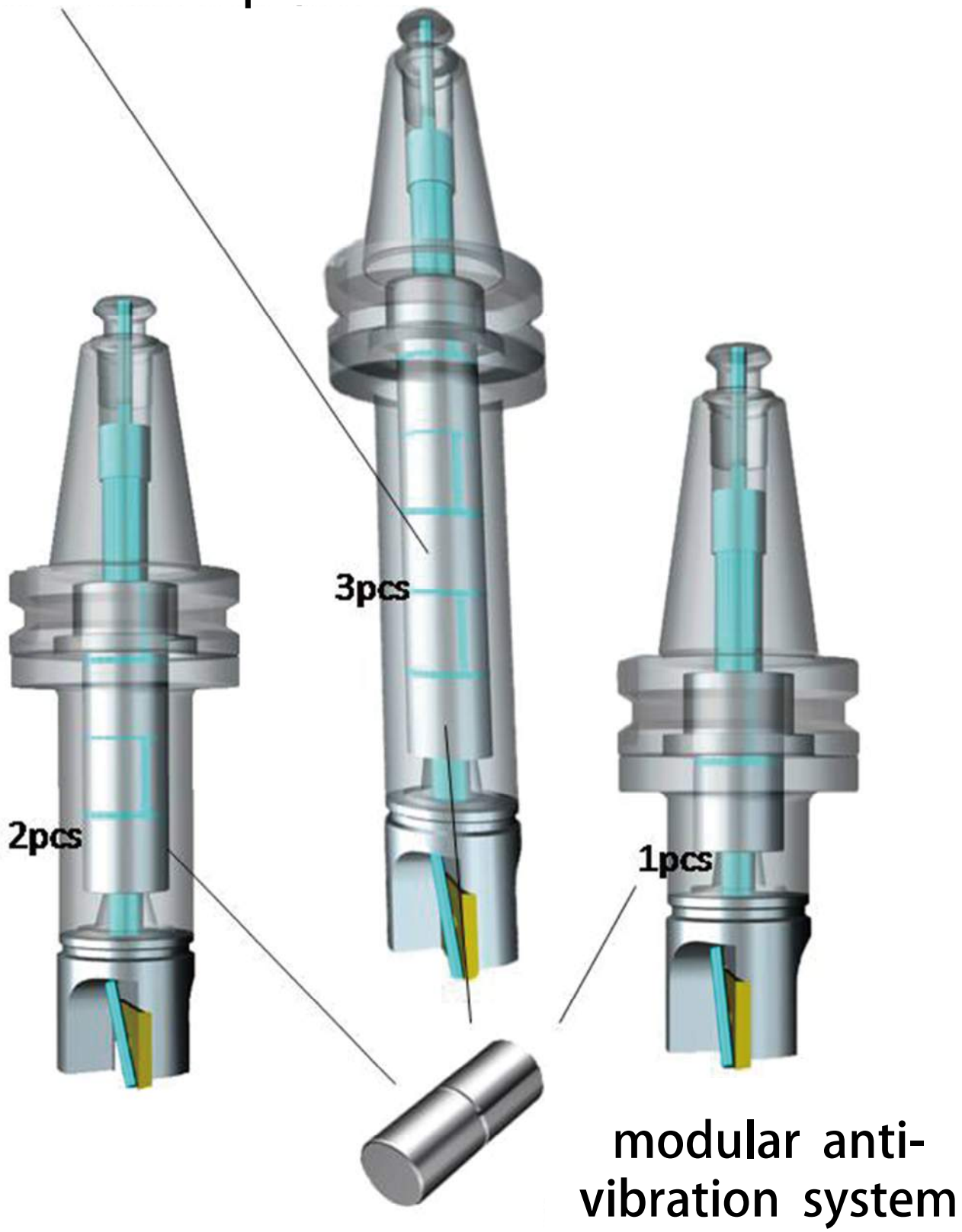
Modular Anti-Vibration System Chart

Center coolant path

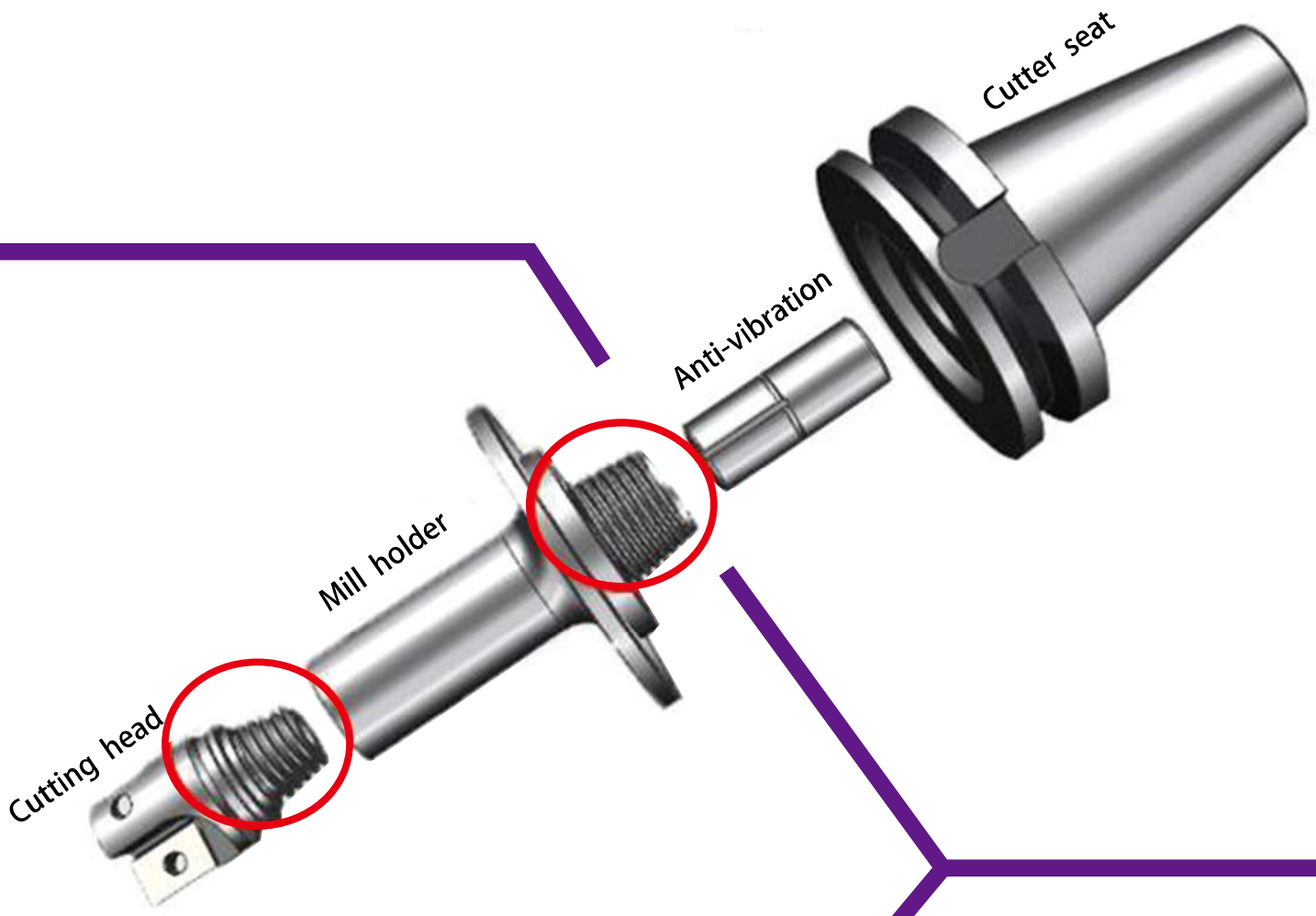


modular anti-vibration system

Modular Anti-Vibration Tool

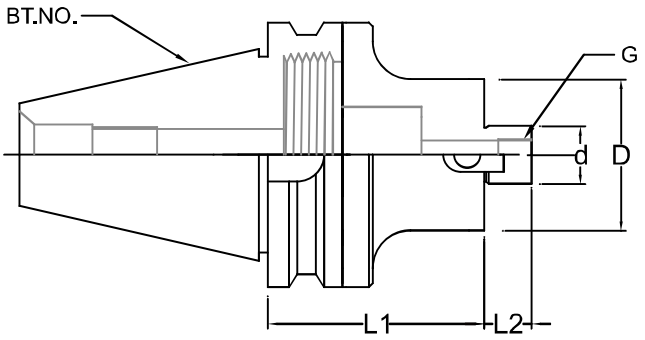
Advantage Of Modular design :

(1)Choose what you want and what you need, reduce cost for different process request. (2) we use taper threaded in order to Increase tool stable when you assembly



Using taper threaded to provide great support when parts assembly，it is not only raise torque but also raise pulling force. It is also provide stable usage than parallel thread.

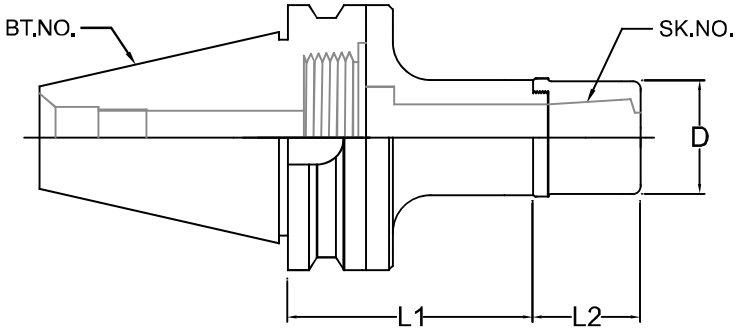
MTS Modular Face Mill Holder



Order No.	d	D	L1	L2	G
BT40-FMA25.4-50	25.4	60	50	20	M12
BT40-FMA25.4-100	25.4	60	100	20	M12
BT40-FMA25.4-150	25.4	60	150	20	M12
BT40-FMA31.75-50	31.75	70	50	22	M16
BT40-FMA31.75-100	31.75	70	100	22	M16
BT40-FMA31.75-150	31.75	70	150	22	M16
BT40-FMB22-50	22	48	50	18	M10
BT40-FMB22-100	22	48	100	18	M10
BT40-FMB22-150	22	48	150	18	M10
BT40-FMB27-50	27	60	50	20	M12
BT40-FMB27-100	27	60	100	20	M12
BT40-FMB27-150	27	60	150	20	M12

Customize for different length like 225 275 325 375

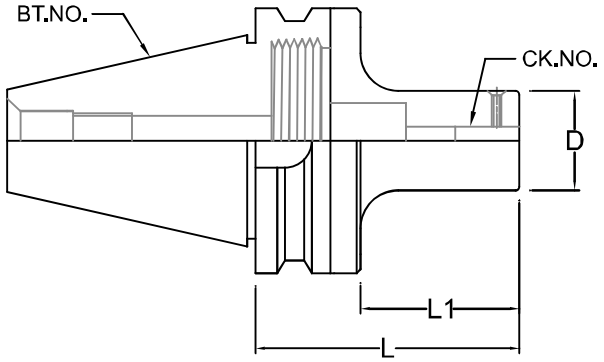
MTS Modular Collet Chuck



Order No.	D	L1	L2	G
BT40-MSK06-50	60	61.8	13.2	SK06
BT40-MSK06-100	60	111.8	13.2	SK06
BT40-MSK10-50	60	56.5	18.5	SK10
BT40-MSK10-100	70	106.5	18.5	SK10
BT40-MSK16-50	70	55	20	SK16
BT40-MSK16-100	70	105	20	SK16
BT40-MSK20-50	48	55	20	SK20
BT40-MSK20-100	48	105	20	SK20

Customize for different length like 225 275 325 375

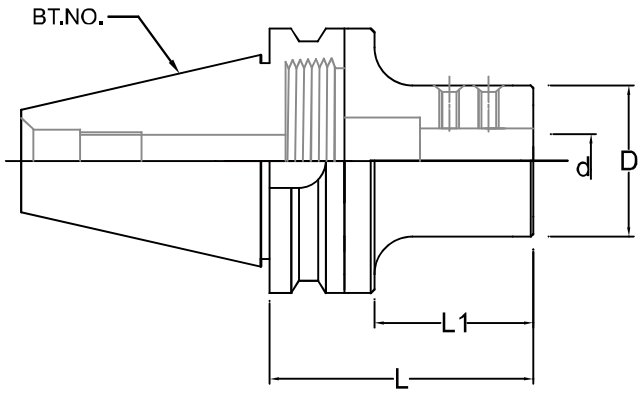
MTS Modular Boring Holder



Order No.	D	L	L1	CK NO.
BT40-MCK1-50	19	75	50	CK1
BT40-MCK1-100	19	125	100	CK1
BT40-MCK1-150	19	175	150	CK1
BT40-MCK2-50	25	75	50	CK2
BT40-MCK2-100	25	125	100	CK2
BT40-MCK2-150	25	175	150	CK2
BT40-MCK3-50	32	75	50	CK3
BT40-MCK3-100	32	125	100	CK3
BT40-MCK3-150	32	175	150	CK3
BT40-MCK4-50	40	75	50	CK4
BT40-MCK4-100	40	125	100	CK4
BT40-MCK4-150	40	175	150	CK4
BT40-MCK5-50	52	75	50	CK5
BT40-MCK5-100	52	125	100	CK5
BT40-MCK5-150	52	175	150	CK5

Customize for different length like 225 275 325 375

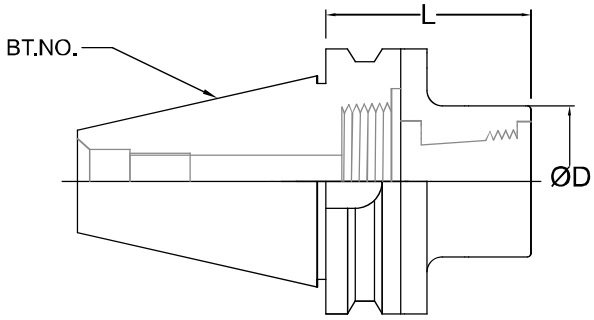
MTS Modular Boring Holder



Order No.	d	D	L	L1
BT40-MSL08-50	8	30	75	50
BT40-MSL08-100	8	30	125	100
BT40-MSL10-50	10	35	75	50
BT40-MSL10-100	10	35	125	100
BT40-MSL12-50	12	40	75	50
BT40-MSL12-100	12	40	125	100
BT40-MSL16-50	16	45	75	50
BT40-MSL16-100	16	45	125	100
BT40-MSL20-50	20	50	75	50
BT40-MSL20-100	20	50	125	100
BT40-MSL25-50	25	55	75	50
BT40-MSL25-100	25	55	125	100
BT40-MSL32-50	32	60	75	50
BT40-MSL32-100	32	60	125	100

Customize for different length like 225 275 325 375

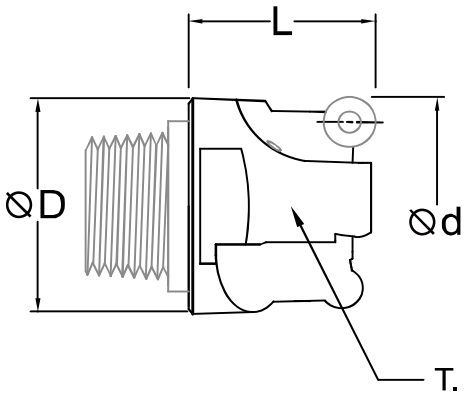
MTS Modular End Mill Holder



Order No.	D	L
BT40-MTS16-50	16	75
BT40-MTS16-100	16	125
BT40-MTS16-150	16	175
BT40-MTS20-50	20	75
BT40-MTS20-100	20	125
BT40-MTS20-150	20	175
BT40-MTS25-50	25	75
BT40-MTS25-100	25	125
BT40-MTS25-150	25	175
BT40-MTS32-50	32	75
BT40-MTS32-100	32	125
BT40-MTS32-150	32	175

Customize for different length like 225 275 325 375

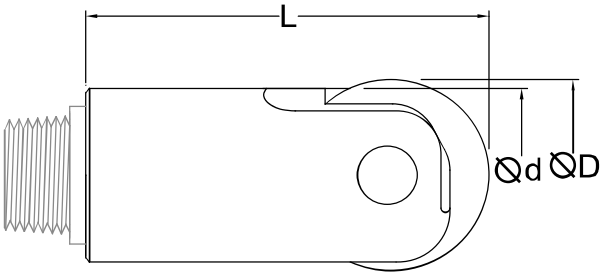
MTS Connecting Multi-Function Milling Tools



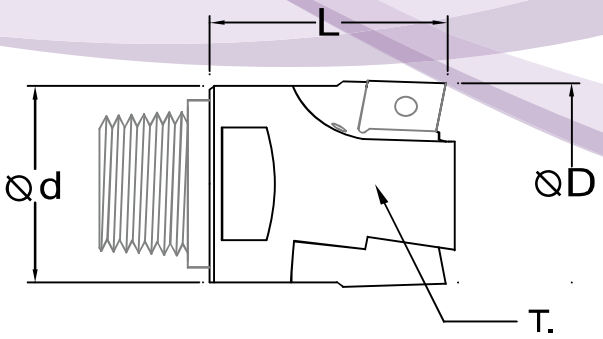
Removable type anti-vibration lathe cutters specifications

Order No.	Insert	D	d	L	T
MH1616-RP08T1	RPMT08T2	16	16	26	1
MH2020-RP08T2	RPMT08T2	20	20	26	2
MH2025-RP08T3	RPMT08T2	25	25	28	3
MH2525-RP10T3	RPMT10T3	25	25	28	2
MH2530-RP10T3	RPMT10T3	25	30	28	3
MH3235-RP10T3	RPMT10T3	32	32	28	3
MH3235-RP12T2	RPMT1204	32	35	28	2

MTS Connecting Multi-Function Milling Tools

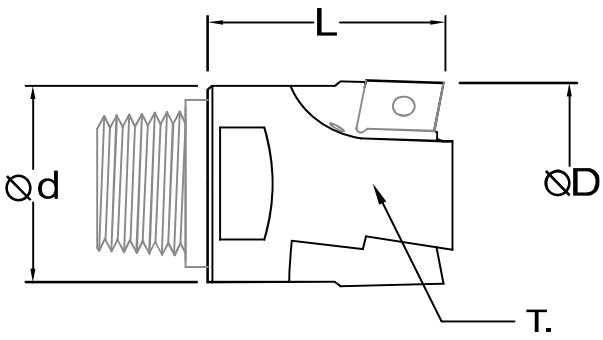


Removable type anti-vibration lathe cutters specifications				
Order No.	Insert	D	d	L
MH1616-P32D16	P32..-D16	16	16	26
MH2020-P32D20	P32..-D20	20	20	26
MH2525-P32D25	P32..-D25	25	25	28
MH3232-P32D32	P32..-D32	32	32	28



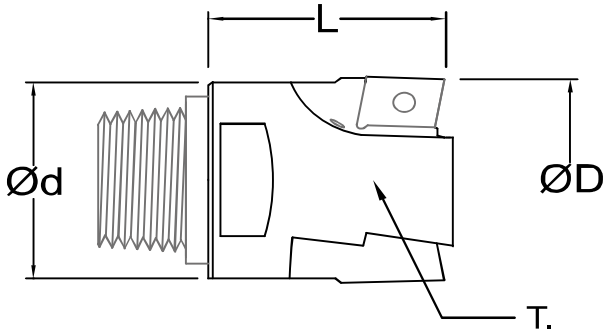
Removable type anti-vibration lathe cutters specifications					
Order No.	Insert	D	d	L	T
MH1616-APK10T2	APKT1003	16	16	26	2
MH2020-APK10T2	APKT1003	20	20	26	2
MH2525-APK10T3	APKT1003	25	25	28	3
MH2525-APK16T2	APKT1604	25	25	28	2
MH3232-APK16T3	APKT1604	32	32	28	3
MH3240-APK16T4	APKT1604	40	32	28	4

MTS Connecting Multi-Function Milling Tools



Removable type anti-vibration lathe cutters specifications					
Order No.	Insert	D	d	L	T
MH1614-AP10T2	APMT1035	14	16	26	2
MH1616-AP10T2	APMT1035	16	16	26	2
MH2020-AP10T2	APMT1035	20	20	28	2
MH2021-AP10T3	APMT1035	21	20	28	3
MH2525-AP10T3	APMT1035	25	25	28	3
MH3230-AP10T4	APMT1035	30	32	28	4
MH3232-AP10T4	APMT1035	32	32	28	4
MH2525-AP16T2	APMT1605	25	25	28	2
MH2526-AP16T2	APMT1605	26	25	28	2
MH3232-AP16T3	APMT1605	32	32	28	3
MH3235-AP16T3	APMT1605	35	32	28	3

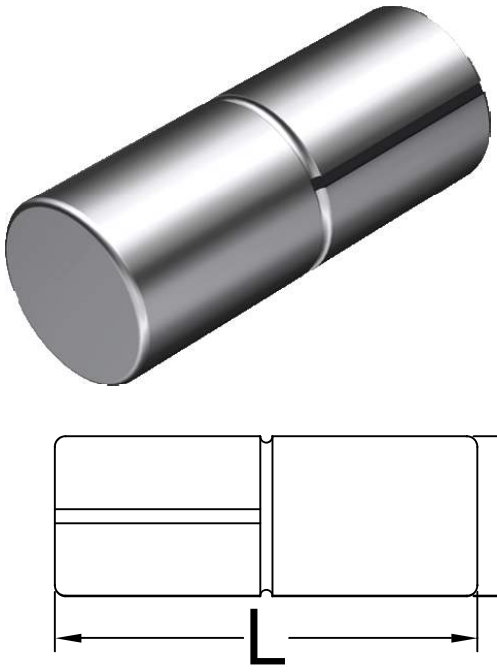
MTS Connecting Multi-Function Milling Tools



Removable type anti-vibration lathe cutters specifications

Order No.	Insert	D	d	L	T
MH1614-AX12T1	AXMT1235	14	16	26	1
MH1616-AX12T2	AXMT1235	16	16	26	2
MH1617-AX12T2	AXMT1235	17	16	26	2
MH1618-AX12T2	AXMT1235	18	16	26	2
MH2020-AX12T3	AXMT1235	20	20	28	3
MH2021-AX12T3	AXMT1235	21	20	28	3
MH2525-AX12T4	AXMT1235	25	25	28	4
MH2526-AX12T4	AXMT1235	26	25	28	4
MH2528-AX12T4	AXMT1235	28	25	28	4
MH2530-AX12T4	AXMT1235	30	25	28	4
MH3232-AX12T5	AXMT1235	32	32	28	5
MH3233-AX12T4	AXMT1235	33	32	28	5
MH3240-AX12T4	AXMT1235	40	32	28	6

Modular Anti-Vibration System (Project Processing)



Order No.	D	L
DP1140	11.5	40
DP1540	15	40
DP1850	18	50
DP2560	25	60
DP3970	39	70
DP4980	49	80

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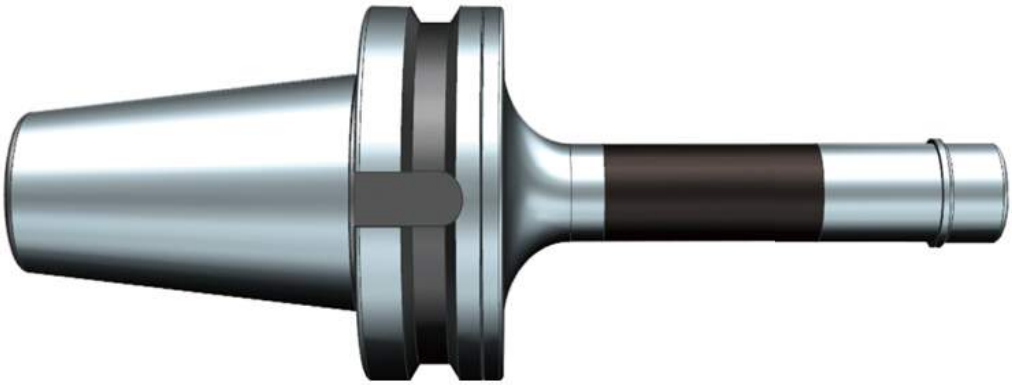

High Speed Milling Chuck

Fine Boring Head

End Mill

&

Milling Cutter & Surface milling cutter

Monkula

Research- Quality- Service- Value

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