

切削刀具目录（公制）
Indexable cutting tool contents (Metric)

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Turning Tools

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车削刀具目录（公制）

Turning tools contents（Metric）

普通外圆车削刀具.....A2

General External Turning Tools

普通内孔车削刀具.....A52

General Internal Turning Tools

可换内切削头.....A102

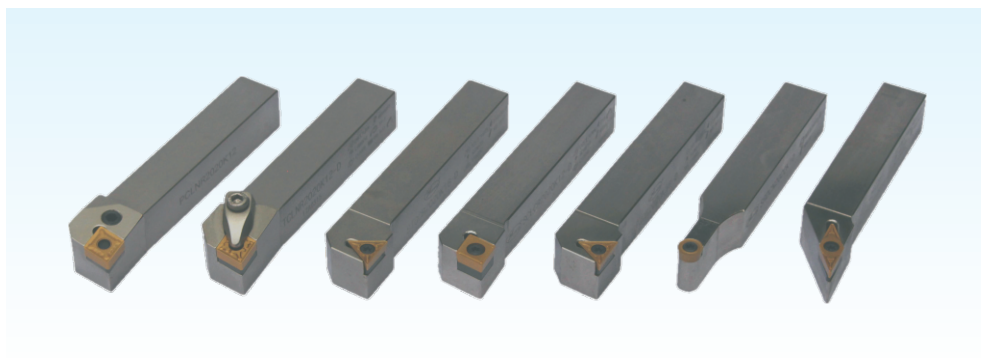
Interchangable Internal Turning Tool Heads

切断、切槽车削刀具.....A113

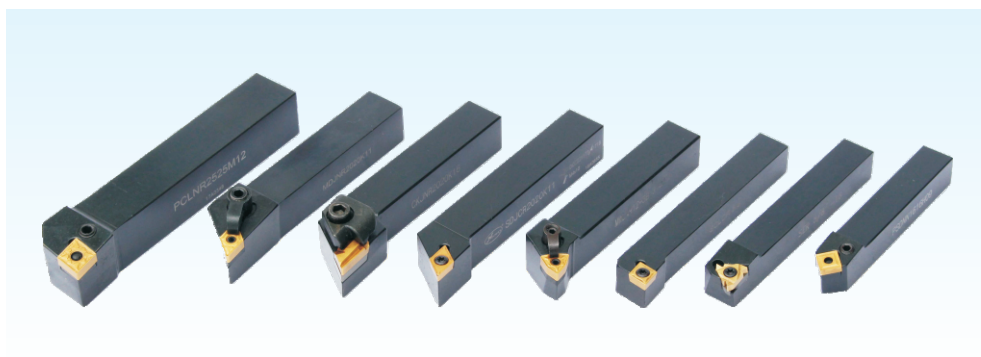
Parting and Grooving Turning Tools

螺纹车削刀具.....A128

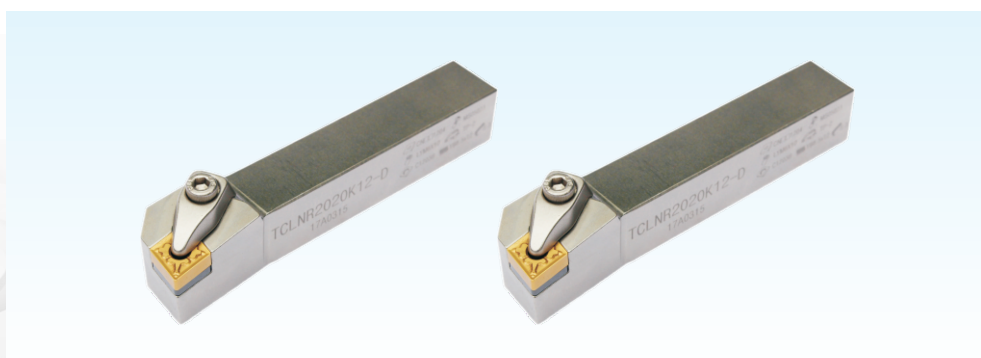
Threading Turning Tools



镀镍外圆车刀集锦



发黑外圆车刀集锦



新T型外圆车刀

External Turning Toolholder Identification System (Metric)

T	W	L	N	R	20	20	K	08	
1	2	3	4	5	6	7	8	9	10

1、压紧方式 Method of holding	
Top clamp ing	C
Top and hole clamp ing	M
Pin only	P
Screw clamp ing	S
Double clamp ing	T
Wedge clamp ing	W

2、刀片形状 Insert shape	
C	
D	
K	
R	
S	
T	
V	
W	

3、刀具形式 Tool style or lead angle				
A	B	C	D	E
F	G	J	K	L
M	O	P	Q	R
S	T	U	V	W

6、刀杆高度 Shank height

7、刀杆宽度 Shank width

8、刀具长度 Tool length			
A	32	M	150
B	40	N	160
C	50	P	170
D	60	Q	180
E	70	R	200
F	80	S	250
G	90	T	300
H	100	U	350
J	110	V	400
K	125	W	450
L	140	Y	500

4、刀片后角 Insert clearance angle	
B	C
D	E
N	P

5、切削方向 Hand of tool	
R	
N	
L	

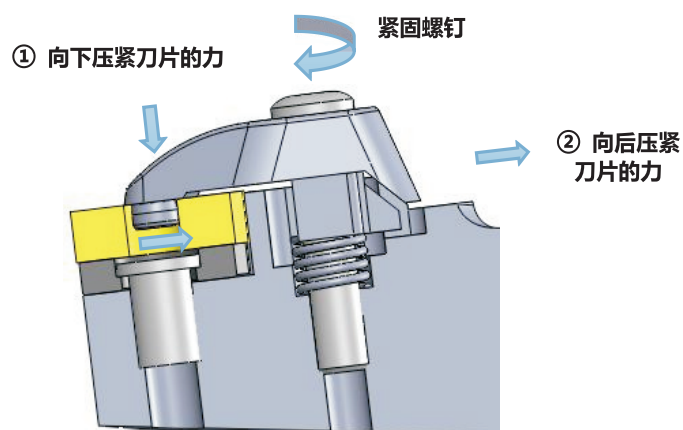
9、切削刃长 Cutting edge length		
C	D	K
R	S	T
V	W	

10、附加代码 Additional code	
D=加大偏置f+1mm Extended	
E=加大偏置f+2mm Extended	
F=直头无偏置 Neutral, no offset	

高刚性刀杆

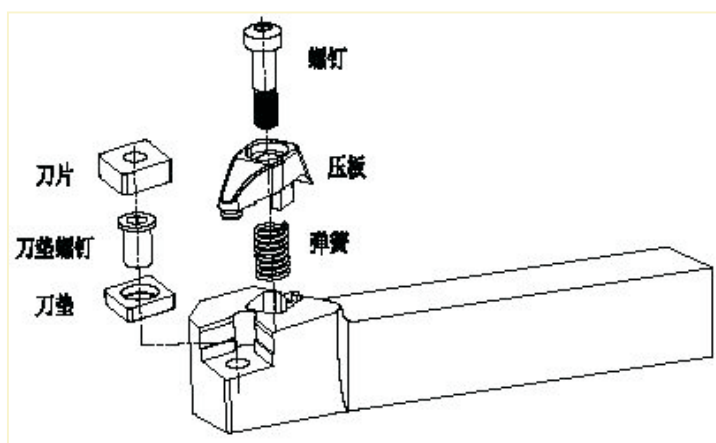
新双重紧固系列（拉压式）

一次锁紧，即可对刀片进行准确、强力夹紧



T 型新双重夹紧车削刀具

采用最新开发的新双重夹紧结构，压板设计有定位、防转功能，拥有高夹紧刚性，高定位精度，高稳定性，可实现刀片的快捷、强力、准确夹紧，是直孔负角刀片装夹的最佳选择。



External Turning Toolholders Index (Metric)



★ External Turning Toolholders with Negative Rake Angle

Kr:	95°		93°				90°			90°		75°		72.5°	62.5°	60°	45°		107.5°	Special	
Insert	CN	WN	DN	TN	VN	KN	CN	WN	TN	TN	CN	SN	CN	VN	DN	TN	SN	SN	DN	RN	RN
Tool style or lead angle																					
new T Double clamp																					
Page	A9	A17	A10	T15	T16		A9	A17	A15	A14	A8	A13	A8	T16	A10	A14	A12	A13	A11	A12	A11
M Top and hole clampin g																					
Page	A19	A26	A20	A24	A25		A19	A26	A24	A23	A18	A21	A18	A25	A20	A23	A22	A22		A21	
P Pin only																					
Page	A28	A35	A29				A28	A35	A34	A34	A27	A32	A27		A29		A33	A33	A30	A31	A30
C Top clampin g																					
Page						A47															
W Wedge clampin g																					
Page		A51		A50												V50					

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

C1~C20

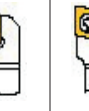
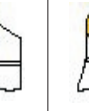
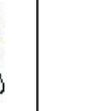
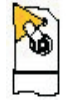
Technical data
技术资料

D1~D21

External Turning Toolholders Index (Metric)



★ External Turning Toolholders with Positive Rake Angle

Kr:	95°		93°				90°			90°			75°		72.5°	62.5°	45°		107.5°	Special	
Insert	CC	CC	DC	DC	VB	TC	CC/TP	CC	TC/TP	CC	CC	TC/TP	SC	CC	VB	DC	SC	SC	DC	RC	RC
Tool style or lead angle																					
S																					
Page	A38	A39	A39	A40	A45	A45	A36	A38	A44	A37	A37	A44	A42	A36	A46	A40	A43	A43	A41	A42	A41
new																					
P																					
Pin only																				PRGCR/L	PRACN
																				A32	A31
Page																					
C																					
Top clamping							CTAPR/L		CTGPR/L			CTFPR/L									
Page							A48		A49			A48									

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刀片及附件

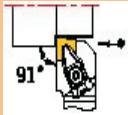
Technical data
技术资料

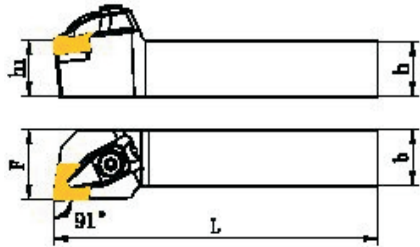
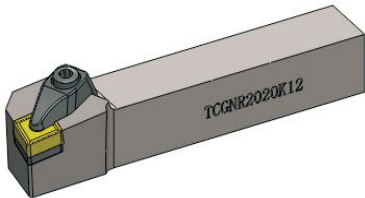
Double clamp style Toolholders (T style)

90° 偏头外圆车刀

Clamping & tool style

For turning
TCGNR/L





Right hand shown: TCGNR2020K12

Left hand: TCGNL2020K12

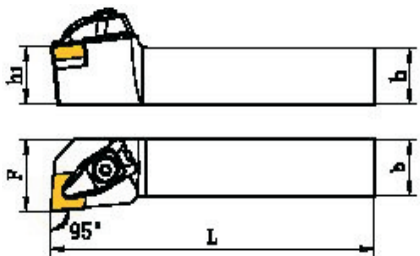
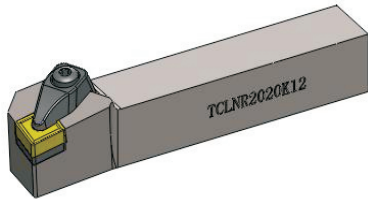
Model	Basic dimensions				Order No.								
	h=h1	b	F	L	Right	Left	Insert	Shim	Shim screw	Clamp	Clamp screw	Spring	key
TCGNR/L1616H09	16	16	20	100	011-01410	011-11410	CN. .0903..	C0903B	LYM0508	TP-1	MS0422	YB5512	S3
TCGNR/L2020K09	20	20	25	125	011-01415	011-11415							
TCGNR/L2020K12	20	20	25	125	011-01420	011-11420	CN. .1204..	C1203B	LYM0610	TP-2	MS0523	YB6512	S3
TCGNR/L2525M12	25	25	32	150	011-01425	011-11425							
TCGNR/L2525M16	25	25	32	150	011-01430	011-11430	CN. .1606..	C1604B	LYM0810	TP-4			S3 S4
TCGNR/L3232P16	32	32	40	170	011-01435	011-11435							

95° 偏头外圆、端面车刀

Clamping & tool style

For turning, facing
TCLNR/L





Right hand shown: TCLNR2020K12

Left hand: TCLNL2020K12

Model	Basic dimensions				Order No.								
	h=h1	b	F	L	Right	Left	Insert	Shim	Shim screw	Clamp	Clamp screw	Spring	key
TCLNR/L1616H09	16	16	20	100	011-03010	011-13010	CN. .0903..	C0903B	LYM0508	TP-1	MS0422	YB5512	S3
TCLNR/L2020K09	20	20	25	125	011-03015	011-13015							
TCLNR/L2020K12	20	20	25	125	011-03020	011-13020	CN. .1204..	C1203B	LYM0610	TP-2	MS0523	YB6512	S3
TCLNR/L2525M12	25	25	32	150	011-03025	011-13025							
TCLNR/L2525M16	25	25	32	150	011-03030	011-13030	CN. .1606..	C1604B	LYM0810	TP-4			S3 S4
TCLNR/L3232P16	32	32	40	170	011-03035	011-13035							

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

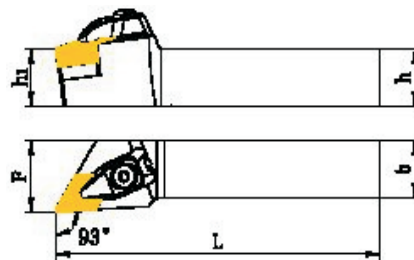
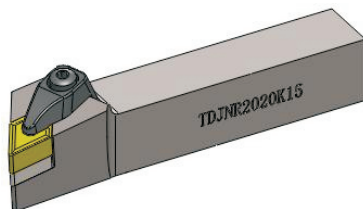
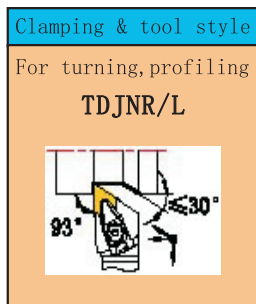
C1~C20

Technical data
技术资料

D1~D21

Double clamp style Toolholders (T style)

93° 偏头外圆、仿形车刀

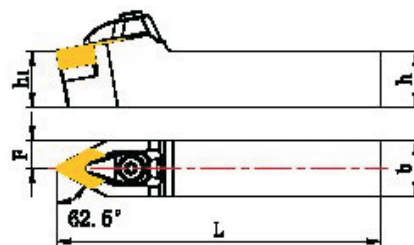
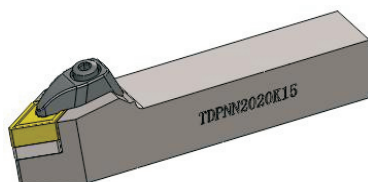
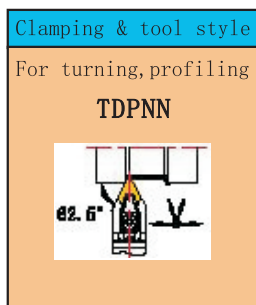


Right hand shown: TDJNR2020K15

Left hand: TDJNL2020K15

Model	Basic dimensions				Order No.								
	h=h1	b	F	L	Right	Left							
TDJNR/L1616H11	16	16	20	100	011-01910	011-11910	DN. . 1104. .	D1103B	LYM0508	TP-1	MS0422	YB5512	S3
TDJNR/L2020K11	20	20	25	125	011-01915	011-11915							
TDJNR/L2020K15	20	20	25	125	011-01920	011-11920	DN. . 1504. .	D1504B	LYM0610	TP-2	MS0523	YB6512	S3
TDJNR/L2525M15	25	25	32	150	011-01925	011-11925							
TDJNR/L3232P15	32	32	40	170	011-01930	011-11930							

62.5° 直头外圆、仿形车刀



Model	Basic dimensions				Order No.							
	h=h1	b	F	L	Neutral							
TDPNN1616H11	16	16	8	100	011-03410	DN. . 1104. .	D1103B	LYM0508	TP-1	MS0422	YB5512	S3
TDPNN2020K11	20	20	10	125	011-03415							
TDPNN2020K15	20	20	10	125	011-03420	DN. . 1504. .	D1504B	LYM0610	TP-2	MS0523	YB6512	S3
TDPNN2525M15	25	25	12.5	150	011-03425							
TDPNN3232P15	32	32	16	170	011-03430							

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

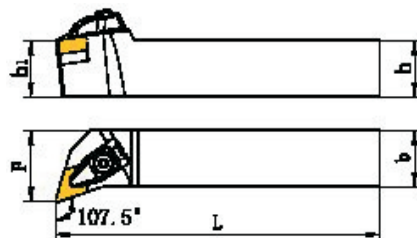
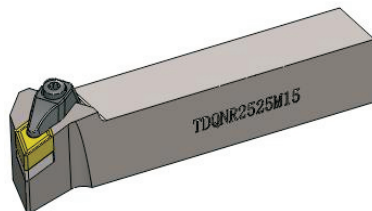
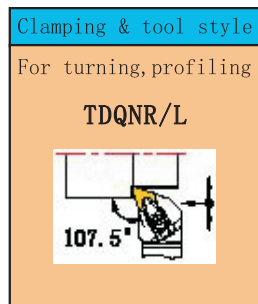
C1~C20

Technical data
技术资料

D1~D21

Double clamp style Toolholders (T style)

107.5° 偏头外圆、仿形车刀

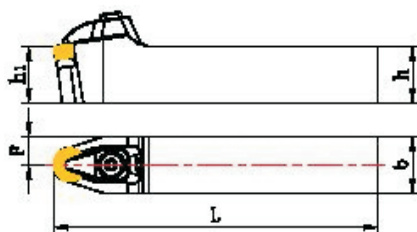
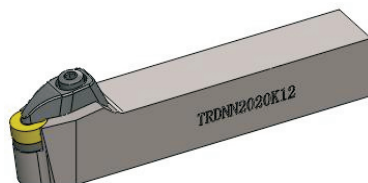
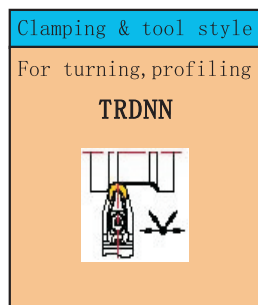


Right hand shown: TDQNR2525M15

Left hand: TDQNL2525M15

Model	Basic dimensions				Order No.								
	h=h1	b	F	L	Right	Left							
TDQNR/L1616H11	16	16	20	100	011-03510	011-13510	RN. . 1104..	D1103B	LYM0508	TP-1	MS0422	YB5512	S3
TDQNR/L2020K11	20	20	25	125	011-03515	011-13515							
TDQNR/L2020K15	20	20	25	125	011-03520	011-13520							
TDQNR/L2525M15	25	25	32	150	011-03525	011-13525	RN. . 1504..	D1504B	LYM0610	TP-2	MS0523	YB6512	S3
TDQNR/L3232P15	32	32	40	170	011-03530	011-13530							

R 直头外圆、仿形车刀



Model	Basic dimensions				Order No.							
	h=h1	b	F	L	Neutral							
TRDNN2020K10	20	20	10	125	011-00710	RN. . 1003MO	R1003B	LYM0508	TP-1	MS0422	YB5512	S3
TRDNN2525M10	25	25	12.5	150	011-00715							
TRDNN2020K12	20	20	10	125	011-00720							
TRDNN2525M12	25	25	12.5	150	011-00725	RN. . 1204MO	R1203B	LYM0610	TP-2	MS0523	YB6512	S3
TRDNN3232P12	32	32	16	170	011-00730							

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外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

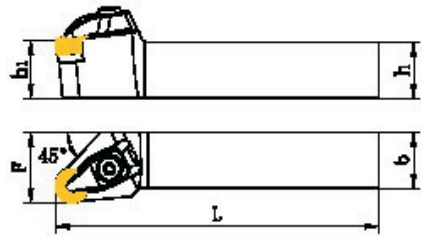
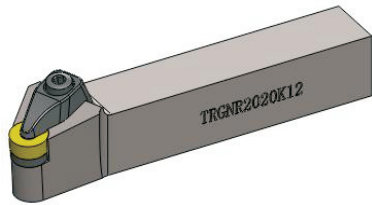
D1~D21

Double clamp style Toolholders (T style)

R 偏头外圆、端面、仿形车刀

Clamping & tool style

For turning, profiling
& facing
TRGNR/L



Right hand shown: TRGNR2020K12

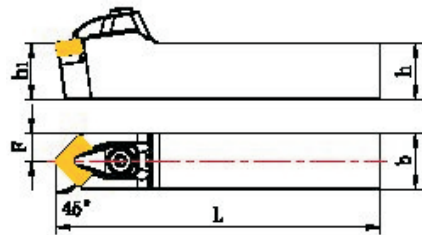
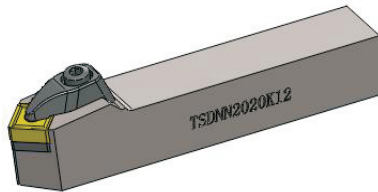
Left hand: TRGNL2020K12

Model	Basic dimensions				Order No.								
	h=h1	b	F	L	Right	Left	Insert	Shim	Shim screw	Clamp	Clamp screw	Spring	key
TRGNR/L2020K10	20	20	25	125	011-01510	011-11510	RN. . 1003MO	R1003B	LYM0508	TP-1	MS0422	YB5512	S3
TRGNR/L2525M10	25	25	32	150	011-01515	011-11515							
TRGNR/L2020K12	20	20	25	125	011-01520	011-11520	RN. . 1204MO	R1203B	LYM0610	TP-2	MS0523	YB6512	S3
TRGNR/L2525M12	25	25	32	150	011-01525	011-11525							
TRGNR/L3232P12	32	32	40	170	011-01530	011-11530							

45° 直头外圆车刀

Clamping & tool style

For turning
TSDNN



Model	Basic dimensions				Order No.							
	h=h1	b	F	L	Neutral	Insert	Shim	Shim screw	Clamp	Clamp screw	Spring	key
TSDNN1616H09	16	16	8	100	011-00910	SN. . 0903. .	S0903B	LYM0508	TP-1	MS0422	YB5512	S3
TSDNN2020K09	20	20	10	125	011-00915							
TSDNN2020K12	20	20	10	125	011-00920	SN. . 1204. .	S1203B	LYM0610	TP-2	MS0523	YB6512	S3
TSDNN2525M12	25	25	12.5	150	011-00925							
TSDNN2525M15	25	25	12.5	150	011-00930	SN. . 1506. .	S1504B	LYM0810	TP-4			S3 S4
TSDNN3232P15	32	32	16	170	011-00935							

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外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

Double clamp style Toolholders (T style)

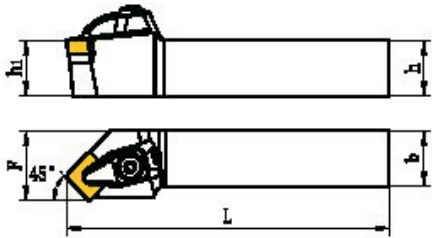
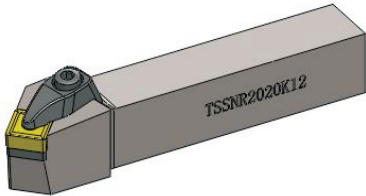
45° 偏头外圆、端面车刀

Clamping & tool style

For turning, facing

TSSNR/L





Right hand shown: TSSNR2020K12

Left hand: TSSNL2020K12

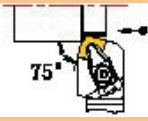
Model	Basic dimensions				Order No.								
	h=h1	b	F	L	Right	Left	Insert	Shim	Shim screw	Clamp	Clamp screw	Spring	key
TSSNR/L1616H09	16	16	20	100	011-03910	011-13910	SN. . 0903. .	S0903B	LYM0508	TP-1	MS0422	YB5512	S3
TSSNR/L2020K09	20	20	25	125	011-03915	011-13915							
TSSNR/L2020K12	20	20	25	125	011-03920	011-13920	SN. . 1204. .	S1203B	LYM0610	TP-2	MS0523	YB6512	S3
TSSNR/L2525M12	25	25	32	150	011-03925	011-13925							
TSSNR/L2525M15	25	25	32	150	011-03930	011-13930	SN. . 1506. .	S1504B	LYM0810	TP-4			S3 S4
TSSNR/L3232P15	32	32	40	170	011-03935	011-13935							

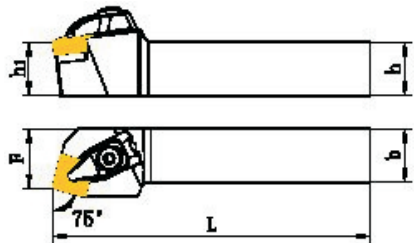
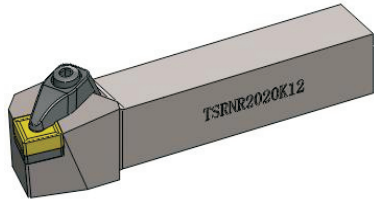
75° 偏头外圆车刀

Clamping & tool style

For turning

TSRNR/L





Right hand shown: TSRNR2020K12

Left hand: TSRNL2020K12

Model	Basic dimensions				Order No.								
	h=h1	b	F	L	Right	Left	Insert	Shim	Shim screw	Clamp	Clamp screw	Spring	key
TSRNR/L1616H09	16	16	17	100	011-03810	011-13810	SN. . 0903. .	S0903B	LYM0508	TP-1	MS0422	YB5512	S3
TSRNR/L2020K09	20	20	22	125	011-03815	011-13815							
TSRNR/L1616H12	16	16	17	100	011-03820	011-13820	SN. . 1204. .	S1203B	LYM0610	TP-2	MS0523	YB6512	S3
TSRNR/L2020K12	20	20	22	125	011-03825	011-13825							
TSRNR/L2525M12	25	25	27	150	011-03830	011-13830	SN. . 1506. .	S1504B	LYM0810	TP-4			S3 S4
TSRNR/L2525M15	25	25	27	150	011-03835	011-13835							
TSRNR/L3232P15	32	32	35	170	011-03840	011-13840							

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

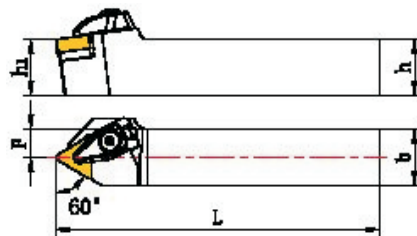
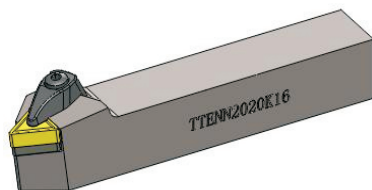
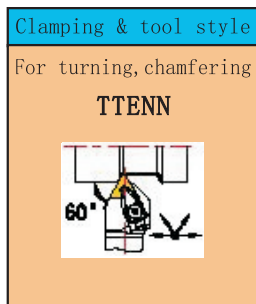
C1~C20

Technical data
技术资料

D1~D21

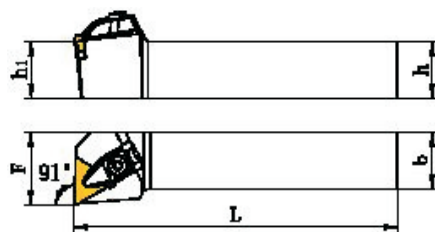
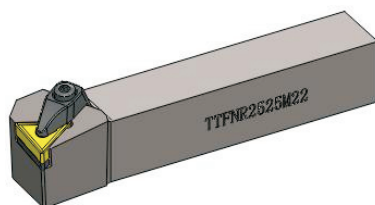
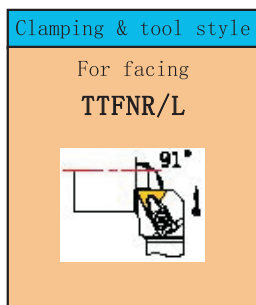
Double clamp style Toolholders (T style)

60° 直头外圆、倒角车刀



Model	Basic dimensions				Order No.							
	h=h1	b	F	L		Neutral	Insert	Shim	Shim screw	Clamp	Clamp screw	Spring
TTENN2020K16E	20	20	12	125	011-01010	TN. . 1604. .	T1603B	LYM0508	TP-1	MS0422	YB5512	S3
TTENN2525M16E	25	25	14. 5	150	011-01015							
TTENN2525M22E	25	25	14. 5	150	011-01020	TN. . 2204. .	T2203B	LYM0610	TP-2	MS0523	YB6512	S3
TTENN3232P22	32	32	16	170	011-01025							

90° 偏头端面车刀



Right hand shown: TTFNR2525M22

Left hand: TTFNL2525M22

Model	Basic dimensions				Order No.		Insert	Shim	Shim screw	Clamp	Clamp screw	Spring	key
	h=h1	b	F	L	Right	Left							
TTFNR/L1616H16	16	16	20	100	011-01310	011-11310	TN. . 1604. .	T1603B	LYM0508	TP-1	MS0422	YB5512	S3
TTFNR/L2020K16	20	20	25	125	011-01315	011-11315							
TTFNR/L2525M16	25	25	25	150	011-01320	011-11320	TN. . 2204. .	T2203B	LYM0610	TP-2	MS0523	YB6512	S3
TTFNR/L2525M22	25	25	32	150	011-01325	011-11325							
TTFNR/L3232P22	32	32	40	170	011-01330	011-11330							

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

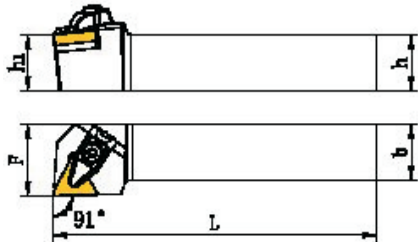
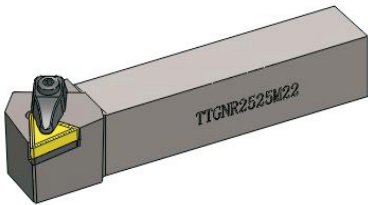
D1~D21

Double clamp style Toolholders (T style)

90° 偏头外圆车刀

Clamping & tool style

For turning
TTGNR/L



Right hand shown: TTGNR2525M22

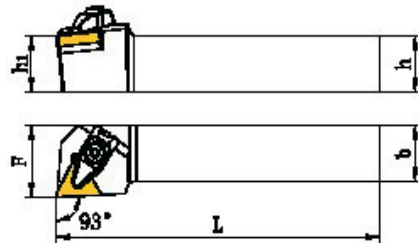
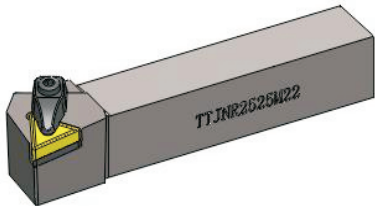
Left hand: TTGNL2525M22

Model	Basic dimensions				Order No.								
	h=h1	b	F	L	Right	Left							
TTGNR/L1616H16	16	16	20	100	011-01710	011-11710	TN. . 1604. .	T1603B	LYM0508	TP-1	MS0422	YB5512	S3
TTGNR/L2020K16	20	20	25	125	011-01715	011-11715							
TTGNR/L2525M16	25	25	32	150	011-01720	011-11720							
TTGNR/L2525M22	25	25	32	150	011-01725	011-11725	TN. . 2204. .	T2203B	LYM0610	TP-2	MS0523	YB6512	S3
TTGNR/L3232P22	32	32	40	170	011-01730	011-11730							

93° 偏头外圆车刀

Clamping & tool style

For turning
TTJNR/L



Right hand shown: TTJNR2525M22

Left hand: TTJNL2525M22

Model	Basic dimensions				Order No.								
	h=h1	b	F	L	Right	Left							
TTJNR/L1616H16	16	16	20	100	011-02210	011-12210	TN. . 1604. .	T1603B	LYM0508	TP-1	MS0422	YB5512	S3
TTJNR/L2020K16	20	20	25	125	011-02215	011-12215							
TTJNR/L2525M16	25	25	32	150	011-02220	011-12220							
TTJNR/L2525M22	25	25	32	150	011-02225	011-12225	TN. . 2204. .	T2203B	LYM0610	TP-2	MS0523	YB6512	S3
TTJNR/L3232P22	32	32	40	170	011-02230	011-12230							

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

Double clamp style Toolholders (T style)

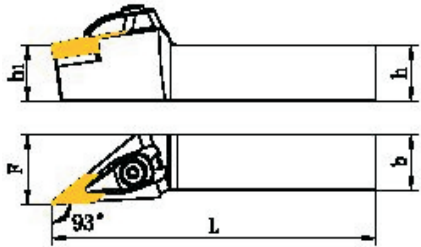
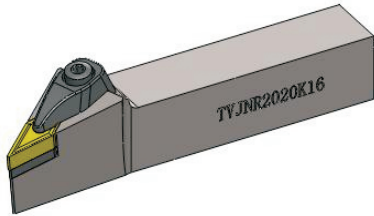
93° 偏头外圆仿形车刀

Clamping & tool style

For turning, profiling

TVJNR/L





Right hand shown: TVJNR2020K16

Left hand: TVJNL2020K16

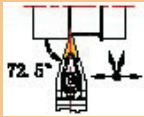
Model	Basic dimensions				Order No.								
	h=h1	b	F	L	Right	Left	Insert	Shim	Shim screw	Clamp	Clamp screw	Spring	key
TVJNR/L1616H16	16	16	20	100	011-02410	011-12410	VN. . 1604. .	V1603B	LYM0508	TP-3	MS0422	YB5512	S3
TVJNR/L2020K16	20	20	25	125	011-02415	011-12415							
TVJNR/L2525M16	25	25	32	150	011-02420	011-12420							
TVJNR/L3232P16	32	32	40	170	011-02425	011-12425							

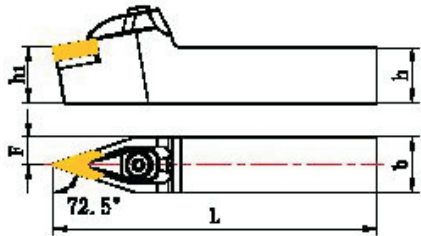
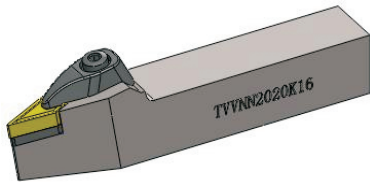
72.5° 直头外圆仿形车刀

Clamping & tool style

For turning, profiling

TVVNN





Model	Basic dimensions				Order No.								
	h=h1	b	F	L	Neutral		Insert	Shim	Shim screw	Clamp	Clamp screw	Spring	key
TVVNN1616H16	16	16	8	100	011-04610	VN. . 1604. .	V1603B	LYM0508	TP-3	MS0422	YB5512	S3	
TVVNN2020K16	20	20	10	125	011-04615								
TVVNN2525M16	25	25	12.5	150	011-04620								
TVVNN3232P16	32	32	16	170	011-04625								

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

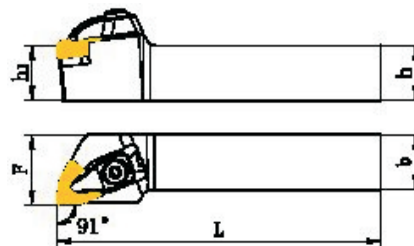
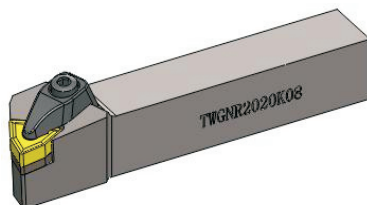
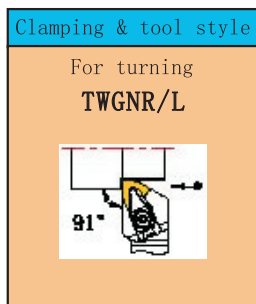
C1~C20

Technical data
技术资料

D1~D21

Double clamp style Toolholders (T style)

90° 偏头外圆车刀

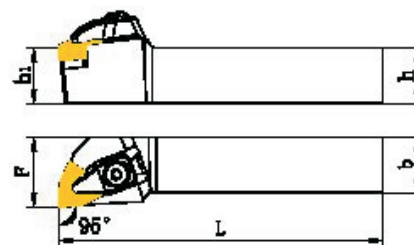
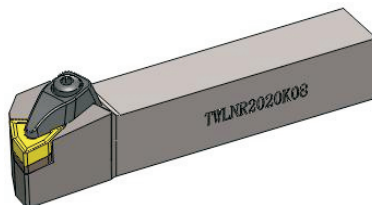
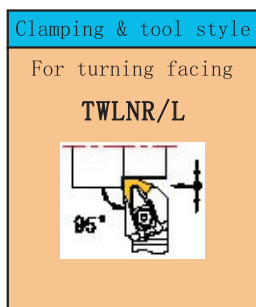


Right hand shown: TWGNR2020K08

Left hand: TWGNL2020K08

Model	Basic dimensions				Order No.								
	h=h1	b	F	L	Right	Left							
TWGNR/L1616H06	16	16	20	100	011-01810	011-11810	WN. .0604. .	W0603B	LYM0508	TP-1	MS0422	YB5512	S3
TWGNR/L2020K06	20	20	25	125	011-01815	011-11815							
TWGNR/L2020K08	20	20	25	125	011-01820	011-11820	WN. .0804. .	W0803B	LYM0610	TP-2	MS0523	YB6512	S3
TWGNR/L2525M08	25	25	32	150	011-01825	011-11825							
TWGNR/L3232P08	32	32	40	170	011-01830	011-11830	WN. .1006. .	W1004B	LYM0810	TP-4			S3 S4
TWGNR/L3232P10	32	32	40	170	011-01835	011-11835							

95° 偏头外圆、端面车刀



Right hand shown: TWLNR2020K08

Left hand: TWLNL2020K08

Model	Basic dimensions				Order No.								
	h=h1	b	F	L	Right	Left							
TWLNR/L1616H06	16	16	20	100	011-03210	011-13210	WN. .0604. .	W0603B	LYM0508	TP-1	MS0422	YB5512	S3
TWLNR/L2020K06	20	20	25	125	011-03215	011-13215							
TWLNR/L2020K08	20	20	25	125	011-03220	011-13220	WN. .0804. .	W0803B	LYM0610	TP-2	MS0523	YB6512	S3
TWLNR/L2525M08	25	25	32	150	011-03225	011-13225							
TWLNR/L3232P08	32	32	40	170	011-03230	011-13230	WN. .1006. .	W1004B	LYM0810	TP-4			S3 S4
TWLNR/L3232P10	32	32	40	170	011-03235	011-13235							

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts

刀片及附件 C1~C20

Technical data

技术资料 D1~D21

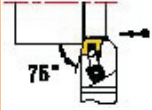
Top and hole Clamping style Toolholders (M style)

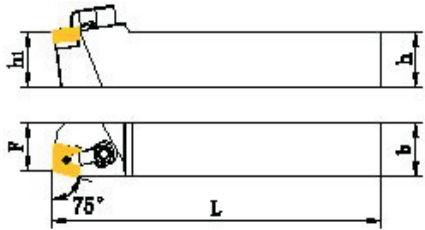
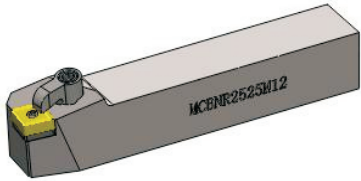
75° 直头外圆车刀

Clamping & tool style

For turning

MCBNR/L





Right hand shown: MCBNR2525M12

Left hand: MCBNL2525M12

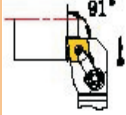
Model	Basic dimensions				Order No.							
	h=h1	b	F	L	Right	Left	Insert	Shim	Lock pin	Clamp	clamp screw	key
MCBNR/L2020K12	20	20	17	125	012-00410	012-10410	CN. . 1204. .	C1203B	NL-0617	CL-12	XNS-0829	S2. 5
MCBNR/L2525M12	25	25	22	150	012-00415	012-10415						S4
MCBNR/L2525M16	25	25	22	150	012-00420	012-10420	CN. . 1606. .	C1604B	NL-0822	CL-12	XNS-0829	S3 S4
MCBNR/L3232P16	32	32	27	170	012-00425	012-10425						S3 S4

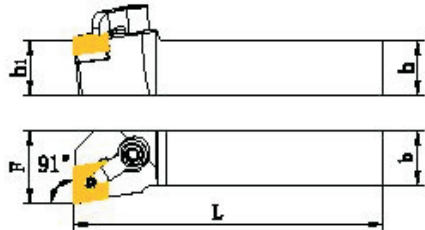
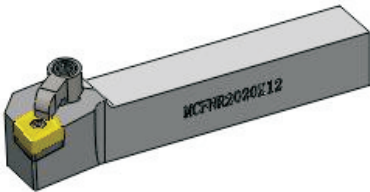
90° 偏头端面车刀

Clamping & tool style

For facing

MCFNR/L





Right hand shown: MCFNR2020K12

Left hand: MCFNL2020K12

Model	Basic dimensions				Order No.							
	h=h1	b	F	L	Right	Left	Insert	Shim	Lock pin	Clamp	clamp screw	key
MCFNR/L1616H09	16	16	20	100	012-01110	012-11110	CN. . 0903. .	C0903B	NL-0412	CL-6	XNS-0520	S2 S2. 5
MCFNR/L2020K09	20	20	25	125	012-01115	012-11115						S2 S2. 5
MCFNR/L2020K12	20	20	25	125	012-01120	012-11120	CN. . 1204. .	C1203B	NL-0617	CL-12	XNS-0829	S2. 5
MCFNR/L2525M12	25	25	32	150	012-01125	012-11125						S4
MCFNR/L2525M16	25	25	32	150	012-01130	012-11130	CN. . 1606. .	C1604B	NL-0822	CL-12	XNS-0829	S3 S4
MCFNR/L3232P16	32	32	40	170	012-01135	012-11135						S3 S4

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

Top and hole Clamping style Toolholders (M style)

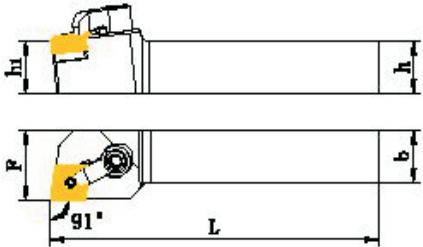
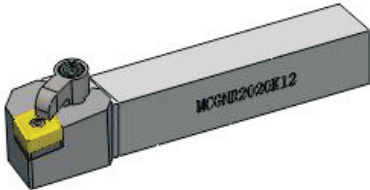
90° 偏头外圆车刀

Clamping & tool style

For turning

MCGNR/L





Right hand shown: MCGNR2020K12

Left hand: MCGNL2020K12

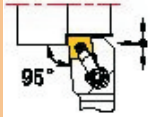
Model	Basic dimensions				Order No.							
	h=h1	b	F	L	Right	Left						
MCGNR/L1616H09	16	16	20	100	012-01410	012-11410	CN. .0903. .	C0903B	NL-0412	CL-6	XNS-0520	S2 S2.5
MCGNR/L2020K09	20	20	25	125	012-01415	012-11415						
MCGNR/L2020K12	20	20	25	125	012-01420	012-11420	CN. .1204. .	C1203B	NL-0617	CL-12	XNS-0829	S2.5 S4
MCGNR/L2525M12	25	25	32	150	012-01425	012-11425						
MCGNR/L2525M16	25	25	32	150	012-01430	012-11430	CN. .1606. .	C1603B	NL-0822			S3 S4
MCGNR/L3232P16	32	32	40	170	012-01435	012-11435						

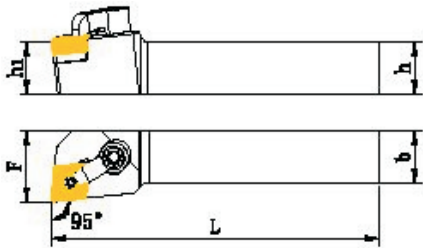
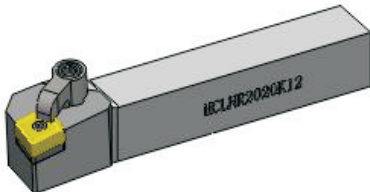
95° 偏头外圆、端面车刀

Clamping & tool style

For turning ,facing

MCLNR/L





Right hand shown: MCLNR2020K12

Left hand: MCLNL2020K12

Model	Basic dimensions				Order No.							
	h=h1	b	F	L	Right	Left						
MCLNR/L1616H09	16	16	20	100	012-03010	012-13010	CN. .0903. .	C0903B	NL-0412	CL-6	XNS-0520	S2 S2.5
MCLNR/L2020K09	20	20	25	125	012-03015	012-13015						
MCLNR/L2020K12	20	20	25	125	012-03020	012-13020	CN. .1204. .	C1203B	NL-0617	CL-12	XNS-0829	S2.5 S4
MCLNR/L2525M12	25	25	32	150	012-03025	012-13025						
MCLNR/L2525M16	25	25	32	150	012-03030	012-13030	CN. .1606. .	C1604B	NL-0822			S3 S4
MCLNR/L3232P16	32	32	40	170	012-03035	012-13035						

Toolholders index

外圆车刀一览表

A1~A51

Inserts & spare parts

刀片及附件

C1~C20

Technical data

技术资料

D1~D21

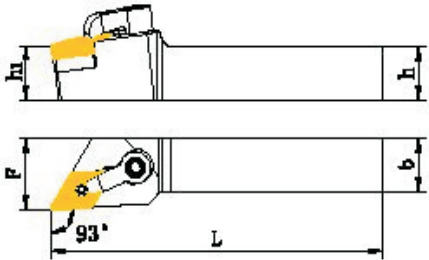
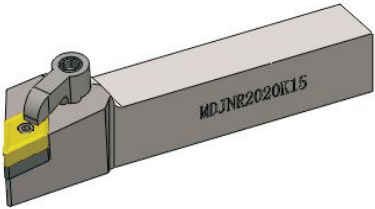
Top and hole Clamping style Toolholders (M style)

93° 偏头外圆仿形车刀

Clamping & tool style

For turning, profiling

MDJNR/L



Right hand shown: MDJNR2020K15

Left hand: MDJNL2020K15

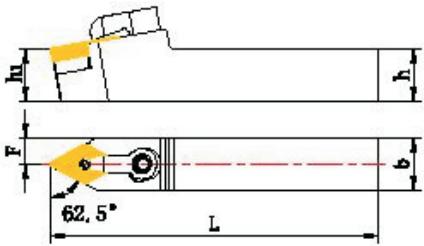
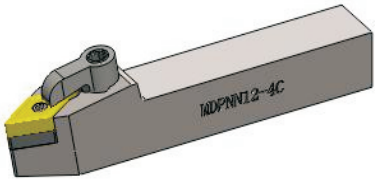
Model	Basic dimensions				Order No.							
	h=h1	b	F	L	Right	Left	Insert	Shim	Lock pin	Clamp	Clamp screw	key
MDJNR/L1616H11	16	16	16	100	012-01910	012-11910	DN. . 1104. .	D1103B	NL-0414	CL-12	XNS-0829	S2 S4
MDJNR/L2020K11	20	20	20	125	012-01915	012-11915						
MDJNR/L2020K15	20	20	25	125	012-01920	012-11920	DN. . 1504. .	D1504B	NL-0617	CL-30	XNS-0829	S2. 5 S4
MDJNR/L2525M15	25	25	32	150	012-01925	012-11925						
MDJNR/L3232P15	32	32	40	170	012-01930	012-11930						

62.5° 直头外圆仿形车刀

Clamping & tool style

For turning, profiling

MDPNN



Model	Basic dimensions				Order No.						
	h=h1	b	F	L	Neutral	Insert	Shim	Lock pin	Clamp	Clamp screw	key
MDPNN2020K15	20	20	10	125	012-03410	DN. . 1504. .	D1504B	NL-0617	CL-30	XNS-0829	S2. 5 S4
MDPNN2525M15	25	25	12. 5	150	012-03415						
MDPNN3232P15	32	32	16	170	012-03420						

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外圆车刀一览表

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Top and hole Clamping style Toolholders (M style)

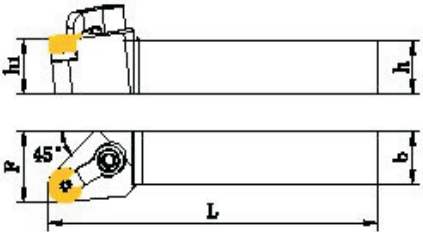
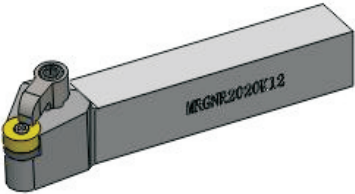
R 偏头外圆、端面、仿形车刀

Clamping & tool style

For turning, facing
profiling

MRGNR/L





Right hand shown: MRGNR2020K12

Left hand: MRGNL2020K12

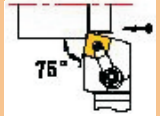
Model	Basic dimensions				Order No.							
	h=h1	b	F	L	Right	Left	Insert	Shim	Lock pin	Clamp	Clamp screw	key
MRGNR/L2020K10	20	20	25	125	012-01510	012-11510	RN. . 1003MO	R1003B	NL-0413	CL-12	XNS-0829	S2 S4
MRGNR/L2525M10	25	25	32	150	012-01515	012-11515						RN. . 1204MO
MRGNR/L2020K12	20	20	25	125	012-01520	012-11520						
MRGNR/L2525M12	25	25	32	150	012-01525	012-11525						
MRGNR/L3232P12	32	32	40	170	012-01530	012-11530						

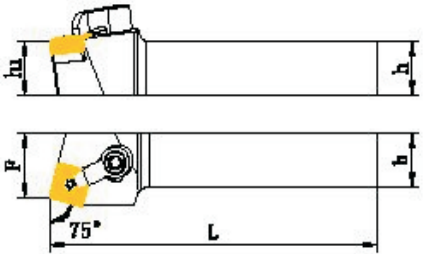
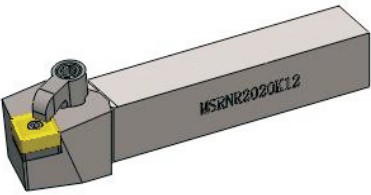
75° 偏头外圆车刀

Clamping & tool style

For turning

MSRNR/L





Right hand shown: MSRNR2020K12

Left hand: MSRNL2020K12

Model	Basic dimensions				Order No.								
	h=h1	b	F	L	Right	Left	Insert	Shim	Lock pin	Clamp	Clamp screw	key	
MSRNR/L1616H09	16	16	17	100	012-03810	012-13810	SN. . 0903. .	S0903B	NL-0412	CL-6	XNS-0520	S2 S2.5	
MSRNR/L2020K09	20	20	22	125	012-03815	012-13815							
MSRNR/L2020K12	20	20	22	125	012-03820	012-13820	SN. . 1204. .	S1203B	NL-0617	CL-12	XNS-0829	S2.5 S4	
MSRNR/L2525M12	25	25	27	150	012-03825	012-13825							
MSRNR/L2525M15	25	25	27	150	012-03830	012-13830	SN. . 1506. .	S1504B	NL-0822			S3 S4	
MSRNR/L3232P15	32	32	35	170	012-03835	012-13835							

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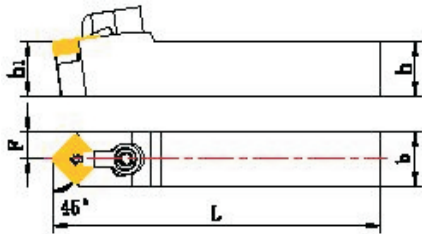
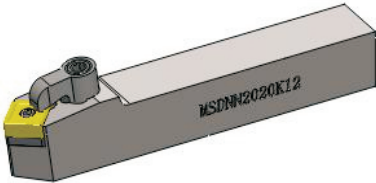
Top and hole Clamping style Toolholders (M style)

45° 直头外圆、倒角车刀

Clamping & tool style

For turning, chamfering

MSDNN



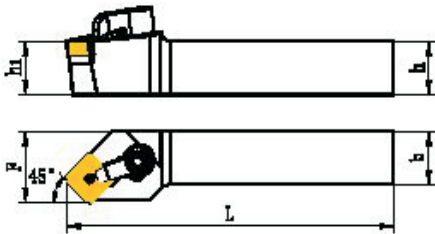
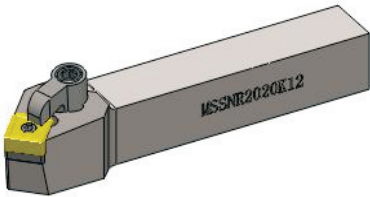
Model	Basic dimensions				Order No.						
	h=h1	b	F	L	Neutral	Insert	Shim	Lock pin	Clamp	Clamp screw	key
MSDNN1616H09	16	16	8	100	012-00910	SN. . 0903. .	S0903B	NL-0412	CL-6	XNS-0520	S2
MSDNN2020K09	20	20	10	125	012-00915						S2. 5
MSDNN2020K12	20	20	10	125	012-00920	SN. . 1204. .	S1203B	NL-0617	CL-12	XNS-0829	S2. 5
MSDNN2525M12	25	25	12. 5	150	012-00925						S4
MSDNN2525M15	25	25	12. 5	150	012-00930	SN. . 1506. .	S1504B	NL-0822			S3 S4
MSDNN3232P15	32	32	16	170	012-00935						

45° 偏头外圆、端面车刀

Clamping & tool style

For turning, facing,
chamfering

MSSNR/L



Right hand shown: MSSNR2020K12

Left hand: MSSNL2020K12

Model	Basic dimensions				Order No.									
	h=h1	b	F	L	Right	Left	Insert	Shim	Lock pin	Clamp	Clamp screw	key		
MSSNR/L1616H09	16	16	20	100	012-03910	012-13910	SN. . 0903. .	S0903B	NL-0412	CL-6	XNS-0520	S2		
MSSNR/L2020K09	20	20	25	125	012-03915	012-13915						S2. 5		
MSSNR/L2020K12	20	20	25	125	012-03920	012-13920	SN. . 1204. .	S1203B	NL-0617	CL-12	XNS-0829	S2. 5		
MSSNR/L2525M12	25	25	32	150	012-03925	012-13925						S4		
MSSNR/L2525M15	25	25	32	150	012-03930	012-13930	SN. . 1506. .	S1504B	NL-0822			S3 S4		
MSSNR/L3232P15	32	32	40	170	012-03935	012-13935								

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Top and hole Clamping style Toolholders (M style)

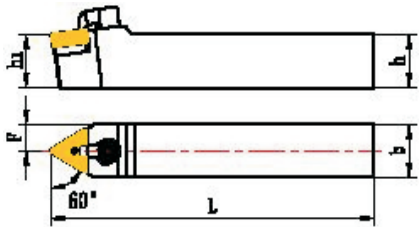
60° 直头外圆、倒角车刀

Clamping & tool style

For turning, chamfering

MTENN





Model	Basic dimensions				Order No.						
	h=h1	b	F	L	Neutral	Insert	Shim	Lock pin	Clamp	Clamp screw	key
MTENN2020K16	20	20	10	125	012-01010	TN. . 1604. .	T1603B	NL-0414	CL-6	XNS-0520	S2 S2. 5
MTENN2525M16	25	25	12. 5	150	012-01015						
MTENN2525M22	25	25	12. 5	150	012-01020	TN. . 2204. .	T2203B	NL-0617	CL-12	XNS-0829	S2.5 S4
MTENN3232P22	32	32	16	170	012-01025						

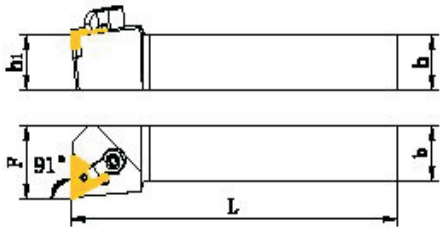
90° 偏头端面车刀

Clamping & tool style

For facing

MTFNR/L





Right hand shown: MTFNR2020K16

Left hand: MTFNL2020K16

Model	Basic dimensions				Order No.							
	h=h1	b	F	L	Right	Left	Insert	Shim	Lock pin	Clamp	Clamp screw	key
MTFNR/L1616H16	16	16	20	100	012-01310	012-11310	TN. . 1604. .	T1603B	NL-0414	CL-6	XNS-0520	S2 S2.5
MTFNR/L2020K16	20	20	25	125	012-01315	012-11315						
MTFNR/L2525M16	25	25	32	150	012-01320	012-11320	TN. . 2204. .	T2203B	NL-0617	CL-12	XNS-0829	S2.5 S4
MTFNR/L2525M22	25	25	32	150	012-01325	012-11325						
MTFNR/L3232P22	32	32	40	170	012-01330	012-11330						

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Top and hole Clamping style Toolholders (M style)

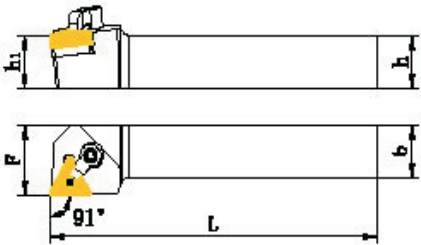
90° 偏头外圆车刀

Clamping & tool style

For turning

MTGNR/L





Right hand shown: MTGNR2020K16

Left hand: MTGNL2020K16

Model	Basic dimensions				Order No.							
	h=h1	b	F	L	Right	Left						
MTGNR/L1616H16	16	16	20	100	012-01710	012-11710	TN. . 1604. .	T1603B	NL-0414	CL-6	XNS-0520	S2 S2.5
MTGNR/L2020K16	20	20	25	125	012-01715	012-11715						
MTGNR/L2525M16	25	25	32	150	012-01720	012-11720						
MTGNR/L2525M22	25	25	32	150	012-01725	012-11725	TN. . 2204. .	T2203B	NL-0617	CL-12	XNS-0829	S2.5 S4
MTGNR/L3232P22	32	32	40	170	012-01730	012-11730						

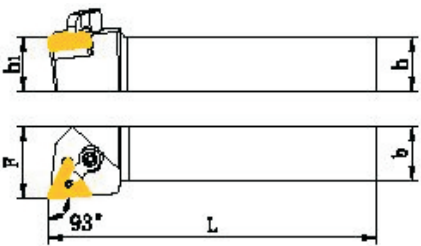
93° 偏头外圆车刀

Clamping & tool style

For turning

MTJNR/L





Right hand shown: MTJNR2020K16

Left hand: MTJNL2020K16

Model	Basic dimensions				Order No.							
	h=h1	b	F	L	Right	Left						
MTJNR/L1616H16	16	16	20	100	012-02210	012-12210	TN. . 1604. .	T1603B	NL-0414	CL-6	XNS-0520	S2 S2.5
MTJNR/L2020K16	20	20	25	125	012-02215	012-12215						
MTJNR/L2525M16	25	25	32	150	012-02220	012-12220						
MTJNR/L2525M22	25	25	32	150	012-02225	012-12225	TN. . 2204. .	T2203B	NL-0617	CL-12	XNS-0829	S2.5 S4
MTJNR/L3232P22	32	32	40	170	012-02230	012-12230						

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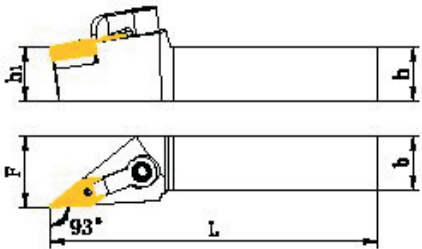
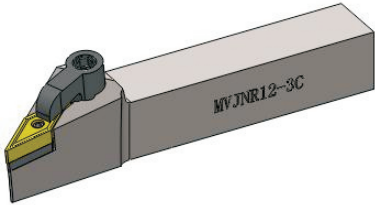
Top and hole Clamping style Toolholders (M style)

93° 偏头外圆仿形车刀

Clamping & tool style

For turning, profiling

MVJNR/L



Right hand shown: MVJNR2020K16

Left hand: MVJNL2020K16

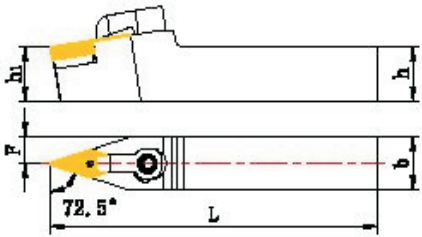
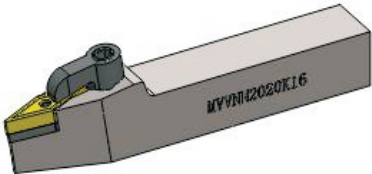
Model	Basic dimensions				Order No.		Insert	Shim	Lock pin	Clamp	Clamp screw	key
	h=h1	b	F	L	Right	Left						
MVJNR/L1616H16	16	16	20	100	012-02410	012-12410	VN. . 1604. .	V1603B	NL-0414	CL-30	XNS-0829	S2 S4
MVJNR/L2020K16	20	20	25	125	012-02415	012-12415						
MVJNR/L2525M16	25	25	32	150	012-02420	012-12420						
MVJNR/L3232P16	32	32	40	170	012-02425	012-12425						

72.5° 直头外圆仿形车刀

Clamping & tool style

For turning, profiling

MVVNN



Model	Basic dimensions				Order No.						
	h=h1	b	F	L	Neutral	Insert	Shim	Lock pin	Clamp	Clamp screw	key
MVVNN2020K16	20	20	10	125	012-04610	VN. . 1604. .	V1603B	NL-0414	CL-30	XNS-0829	S2 S4
MVVNN2525M16	25	25	12.5	150	012-04615						
MVVNN3232P16	32	32	16	170	012-04620						

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Top and hole Clamping style Toolholders (M style)

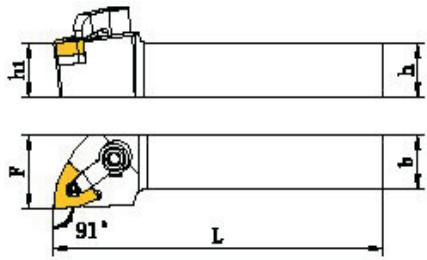
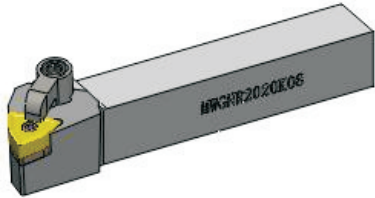
90° 偏头外圆车刀

Clamping & tool style

For turning

MWGNR/L





Right hand shown: MWGNR2020K08

Left hand: MWGNL2020K08

Model	Basic dimensions				Order No.							
	h=h1	b	F	L	Right	Left	Insert	Shim	Lock pin	Clamp	Clamp screw	key
MWGNR/L2020K06	20	20	25	125	012-01810	012-11810	WN. .0604. .	W0603B	NL-0414	CL-6	XNS-0520	S2 S2.5
MWGNR/L2020K08	20	20	25	125	012-01815	012-11815	WN. .0804. .	W0803B	NL-0617	CL-12	XNS-0829	S2.5 S4
MWGNR/L2525M08	20	25	25	150	012-01820	012-11820						
MWGNR/L3232P08	32	32	40	170	012-01825	012-11825	WN. .1006. .	W1004B	NL-0822			S3 S4
MWGNR/L3232P10	32	32	40	170	012-01830	012-11830						

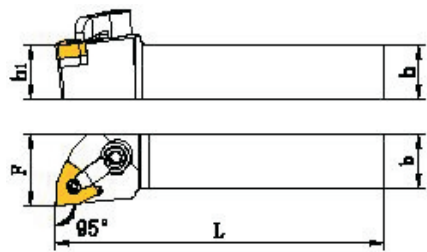
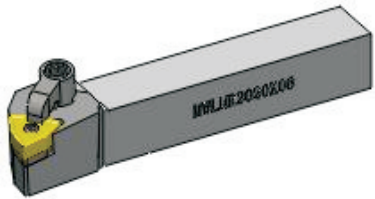
95° 偏头外圆、端面车刀

Clamping & tool style

For turning, facing

MWLNRL/L





Right hand shown: MWLNRL2020K08

Left hand: MWLNL2020K08

Model	Basic dimensions				Order No.							
	h=h1	b	F	L	Right	Left	Insert	Shim	Lock pin	Clamp	Clamp screw	key
MWLNRL/L1616H06	16	16	20	100	012-03210	012-13210	WN. .0604. .	W0603B	NL-0414	CL-6	XNS-0520	S2 S2.5
MWLNRL/L2020K06	20	20	25	125	012-03215	012-13215						
MWLNRL/L2020K08	20	20	25	125	012-03220	012-13220	WN. .0804. .	W0803B	NL-0617	CL-12	XNS-0829	S2.5 S4
MWLNRL/L2525M08	20	25	25	150	012-03225	012-13225						
MWLNRL/L3232P08	32	32	40	170	012-03230	012-13230	WN. .1006. .	W1004B	NL-0822			S3 S4
MWLNRL/L3232P10	32	32	40	170	012-03235	012-13235						

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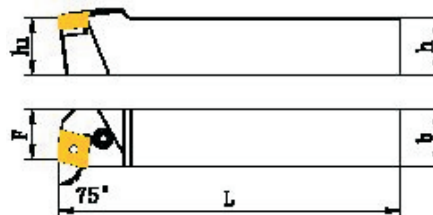
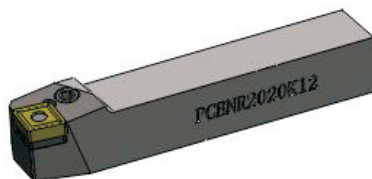
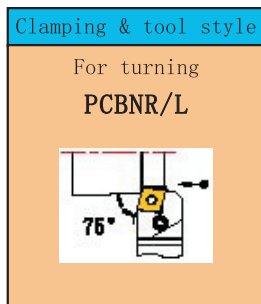
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Lever lock style Toolholders (P style)

75° 直头外圆车刀

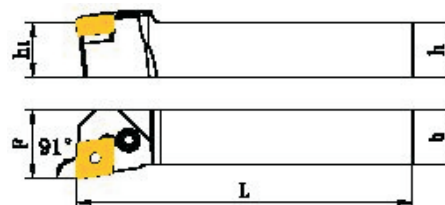
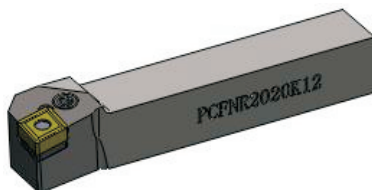
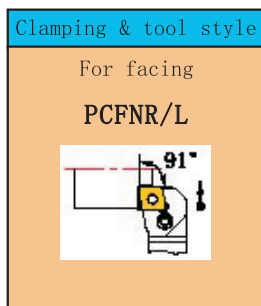


Right hand shown: PCBNR2525M12

Left hand: PCBNL2525M12

Model	Basic dimensions				Order No.		Insert	Shim	shim pin	lever	screw	key
	h=h1	b	F	L	Right	Left						
PCBNR/L1616H09	16	16	20	100	013-00410	013-10410	CN. .0903..	C09A	GH0405	G0310	LGL0617A	S3
PCBNR/L2020K12	20	20	17	125	013-00415	013-10415	CN. .1204..	C12A	GH0607	G0514	LGL0822	S4
PCBNR/L2525M12	25	25	22	150	013-00420	013-10420						
PCBNR/L3232P12	32	32	27	170	013-00425	013-10425	CN. .1606..	C16A	GH0709	G0616	LGL0826	S4
PCBNR/L2525M16	25	25	22	150	013-00430	013-10430						
PCBNR/L3232P16	32	32	27	170	013-00435	013-10435						

90° 偏头端面车刀



Right hand shown: PCFNR2020K12

Left hand: PCFNL2020K12

Model	Basic dimensions				Order No.		Insert	Shim	shim pin	lever	screw	key
	h=h1	b	F	L	Right	Left						
PCFNR/L1616H09	16	16	20	100	013-01110	013-11110	CN. .0903..	C09A	GH0405	G0310	LGL0617A	S3
PCFNR/L2020K09	20	20	25	125	013-01115	013-11115	CN. .1204..	C12A	GH0607	G0514	LGL0822	S4
PCFNR/L2020K12	20	20	25	125	013-01120	013-11120						
PCFNR/L2525M12	25	25	32	150	013-01125	013-11125	CN. .1606..	C16A	GH0709	G0616	LGL0826	S4
PCFNR/L2525M16	25	25	32	150	013-01130	013-11130						
PCFNR/L3232P16	32	32	40	170	013-01135	013-11135						

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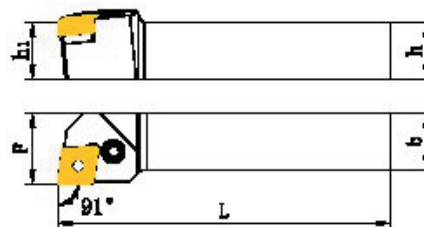
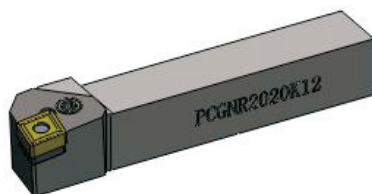
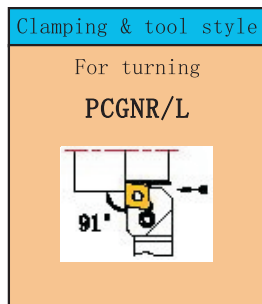
C1~C20

Technical data
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Lever lock style Toolholders (P style)

90° 偏头外圆车刀

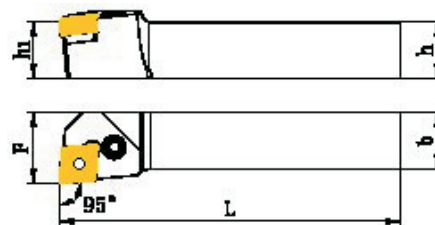
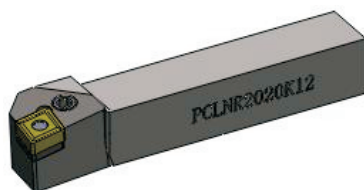
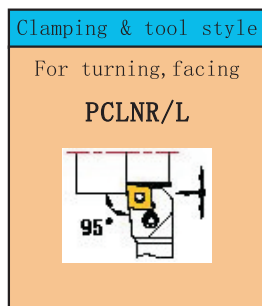


Right hand shown: PCGNR2020K12

Left hand: PCGNL2020K12

Model	Basic dimensions				Order No.		Insert	Shim	shim pin	lever	screw	key
	h=h1	b	F	L	Right	Left						
PCGNR/L1616H09	16	16	20	100	013-01410	013-11410	CN. .0903..	C09A	GH0405	G0310	LGL0617A	S3
PCGNR/L2020K09	20	20	25	125	013-01415	013-11415						
PCGNR/L2020K12	20	20	25	125	013-01420	013-11420	CN. .1204..	C12A	GH0607	G0514	LGL0822	S4
PCGNR/L2525M12	25	25	32	150	013-01425	013-11425						
PCGNR/L2525M16	25	25	32	150	013-01430	013-11430	CN. .1606..	C16A	GH0709	G0616	LGL0826	S4
PCGNR/L3232P16	32	32	40	170	013-01435	013-11435						

95° 偏头外圆、端面车刀



Right hand shown: PCLNR2020K12

Left hand: PCLNL2020K12

Model	Basic dimensions				Order No.		Insert	Shim	shim pin	lever	screw	key
	h=h1	b	F	L	Right	Left						
PCLNR/L1616H09	16	16	20	100	013-03010	013-13010	CN. .0903..	C09A	GH0405	G0310	LGL0617A	S3
PCLNR/L2020K09	20	20	25	125	013-03015	013-13015						
PCLNR/L2020K12	20	20	25	125	013-03020	013-13020	CN. .1204..	C12A	GH0607	G0514	LGL0822	S4
PCLNR/L2525M12	25	25	32	150	013-03025	013-13025						
PCLNR/L3232P12	32	32	40	170	013-03030	013-13030	CN. .1606..	C16A	GH0709	G0616	LGL0826	S4
PCLNR/L2525M16	25	25	32	150	013-03035	013-13035						
PCLNR/L3232P16	32	32	40	170	013-03040	013-13040						

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

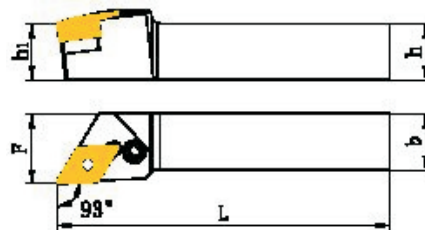
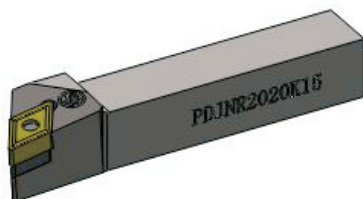
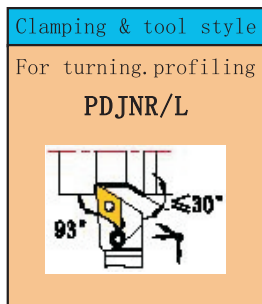
C1~C20

Technical data
技术资料

D1~D21

Lever lock style Toolholders (P style)

93° 偏头外圆仿形车刀

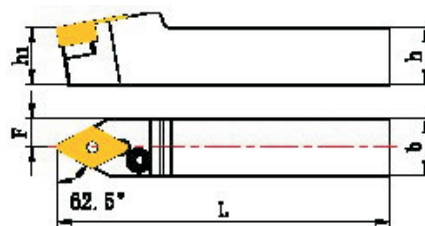
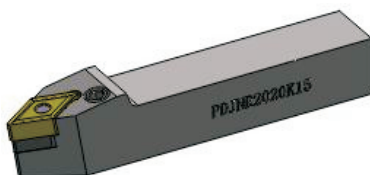
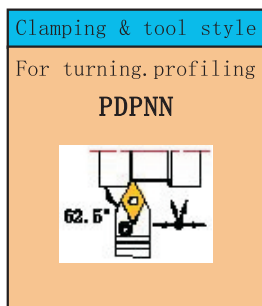


Right hand shown: PDJNR2020K15

Left hand: PDJNL2020K15

Model	Basic dimensions				Order No.		Insert	Shim	shim pin	lever	screw	key
	h=h1	b	F	L	Right	Left						
PDJNR/L1616H11	16	16	20	100	013-01910	013-11910	DN. . 1104. .	D11A	GH0405	G0314	LGL0617	S3
PDJNR/L2020K11	20	20	25	125	013-01915	013-11915					LGL0620	
PDJNR/L2525M11	25	25	32	150	013-01920	013-11920						
PDJNR/L2020K15	20	20	25	125	013-01925	013-11925	DN. . 1506. .	D15A	GH0607	G0517	LGL0826	S4
PDJNR/L2525M15	25	25	32	150	013-01930	013-11930						
PDJNR/L3232P15	32	32	40	170	013-01935	013-11935						

62.5° 直头外圆仿形车刀



Model	Basic dimensions				Order No.		Insert	Shim	shim pin	lever	screw	key
	h=h1	b	F	L	Neutral							
PDPNN2020K15	20	20	10	125	013-03410	DN. . 1506. .	D15A	GH0607	G0517	LGL0826	S4	
PDPNN2525M15	25	25	12.5	150	013-03415							
PDPNN3232P15	32	32	16	170	013-03420							

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

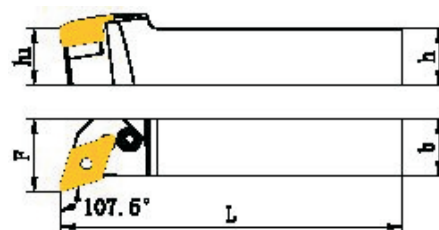
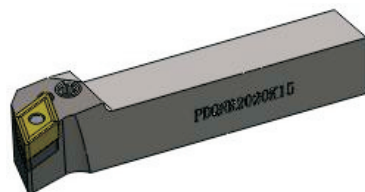
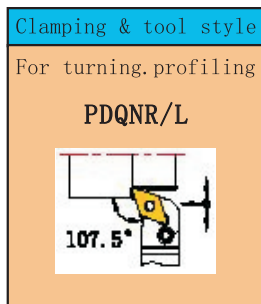
C1~C20

Technical data
技术资料

D1~D21

Lever lock style Toolholders (P style)

107.5° 偏头外圆仿形车刀

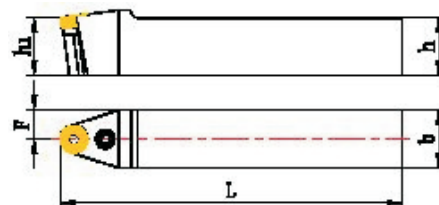
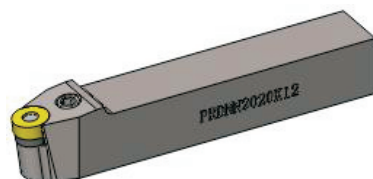
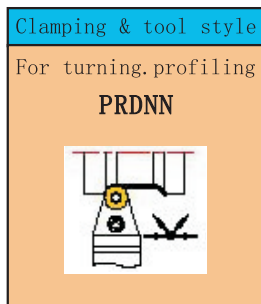


Right hand shown: PDQNR2020K15

Left hand: PDQNL2020K15

Model	Basic dimensions				Order No.		Insert	Shim	shim pin	lever	screw	key
	h=h1	b	F	L	Right	Left						
PDQNR/L2020K15	20	20	10	125	013-03510	013-13510	DN. . 1506..	D15A	GH0607	G0517	LGL0823	S4
PDQNR/L2525M15	25	25	12.5	150	013-03515	013-13515					LGL0826	
PDQNR/L3232P15	32	32	16	170	013-03520	013-13520						

R 直头外圆、仿形车刀



Model	Basic dimensions				Order No.	Insert	Shim	shim pin	lever	screw	key
	h=h1	b	F	L	Neutral						
PRDNN2020K10	20	20	10	125	013-00710	RN. . 1003M0	R10A	GH0405	G0310	LGL0620	S3
PRDNN2020K12	20	20	10	125	013-00715						
PRDNN2525M12	25	25	12.5	150	013-00720	RN. . 1204M0	R12A	GH0607	G0514	LGL0822	S4
PRDNN3232P12	32	32	16	170	013-00725						
PRDNN2525M16	25	25	12.5	150	013-00730	RN. . 1605M0	R16A	GH0709	G0616	LGL0826	S4
PRDNN3232P16	32	32	16	170	013-00735						

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

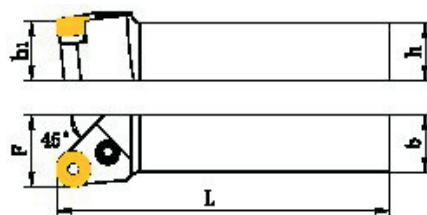
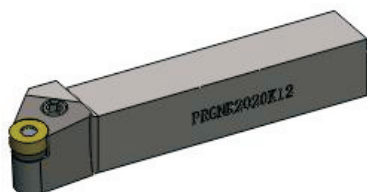
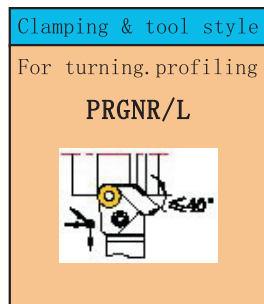
C1~C20

Technical data
技术资料

D1~D21

Lever lock style Toolholders (P style)

R 偏头外圆、端面、仿形车刀

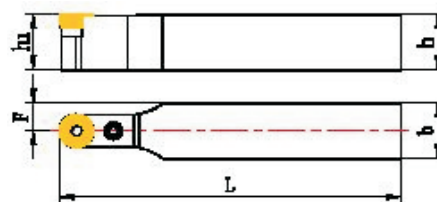
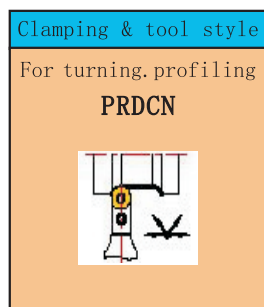


Right hand shown: PRGNR2020K12

Left hand: PRGNL2020K12

Model	Basic dimensions				Order No.		Insert	Shim	shim pin	lever	screw	key
	h=h1	b	F	L	Right	Left						
PRGNR/L1616H10	16	16	20	100	013-01510	013-11510	RN. . 1003M0	R10A	GH0405	G0310	LGL0617A	S3
PRGNR/L2020K10	20	20	25	125	013-01515	013-11515					LGL0620	
PRGNR/L2020K12	20	20	25	125	013-01520	013-11520	RN. . 1204M0	R12A	GH0607	G0514	LGL0822	S4
PRGNR/L2525M12	25	25	32	150	013-01525	013-11525					LGL0822	
PRGNR/L3232P12	32	32	40	170	013-01530	013-11530	RN. . 1605M0	R16A	GH0709	G0616	LGL0826	S4
PRGNR/L2525M16	25	25	32	150	013-01535	013-11535					LGL0826	
PRGNR/L3232P16	32	32	40	170	013-01540	013-11540					LGL0826	

R 直头外圆、仿形车刀



Model	Basic dimensions				Order No.	Insert	Shim	shim pin	lever	screw	key
	h=h1	b	F	L	Neutral						
PRDCN2020K10	20	20	10	125	013-00810	RCMX1003M0	R10A	GH0405A	GC0313	LGL0617A	S3
PRDCN2020K12	20	20	10	125	013-00815	RCMX1204M0	RC12A	GH0507	GC0413	LGL0620	S3
PRDCN2525M12	25	25	12.5	150	013-00820					LGL0620	
PRDCN3232P12	32	32	16	170	013-00825	RCMX1606M0	RC16A	GH0609	GC0517	LGL0824	S4
PRDCN2525M16	25	25	12.5	150	013-00830					LGL0824	
PRDCN3232P16	32	32	16	170	013-00835					LGL0826	

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

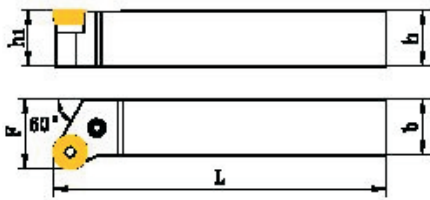
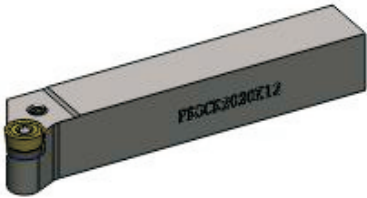
D1~D21

Lever lock style Toolholders (P style)

R 偏头外圆、端面、仿形车刀

Clamping & tool style

For turning, facing
profiling
PRGCR/L



Right hand shown: PRGCR2020K12

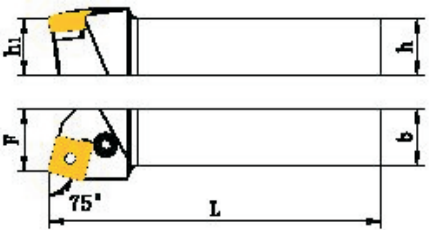
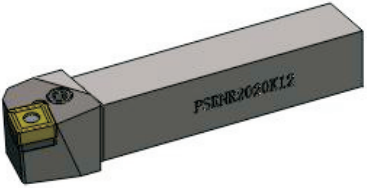
Left hand: PRGCL2020K12

Model	Basic dimensions				Order No.		Insert	Shim	shim pin	lever	screw	key
	h=h1	b	F	L	Right	Left						
PRGCR/L2020K10	20	20	25	125	013-01610	013-11610	RCMX1003M0	R10A	GH0405A	GC0313	LGL0617A	S3
PRGCR/L2020K12	20	20	25	125	013-01615	013-11615	RCMX1204M0	RC12A	GH0507	GC0413	LGL0620	S3
PRGCR/L2525M12	25	25	32	150	013-01620	013-11620						
PRGCR/L3232P12	32	32	40	170	013-01625	013-11625	RCMX1606M0	RC16A	GH0609	GC0517	LGL0824	S4
PRGCR/L2525M16	25	25	32	150	013-01630	013-11630					LGL0826	
PRGCR/L3232P16	32	32	40	170	013-01635	013-11635						

75° 偏头外圆车刀

Clamping & tool style

For turning
PSRNR/L



Right hand shown: PSRNR2020K12

Left hand: PSRNL2020K12

Model	Basic dimensions				Order No.		Insert	Shim	shim pin	lever	screw	key
	h=h1	b	F	L	Right	Left						
PSRNR/L1616H09	16	16	17	100	013-03810	013-13810	SN. . 0903. .	S09A	GH0405	G0312	LGL0617A	S3
PSRNR/L2020K09	20	20	22	125	013-03815	013-13815						
PSRNR/L2020K12	20	20	22	125	013-03820	013-13820	SN. . 1204. .	S12A	GH0607	G0514	LGL0822	S4
PSRNR/L2525M12	25	25	27	150	013-03825	013-13825						
PSRNR/L3232P12	32	32	35	170	013-03830	013-13830	SN. . 1506. .	S16A	GH0709	G0616	LGL0826	S4
PSRNR/L2525M15	25	25	27	150	013-03835	013-13835						
PSRNR/L3232P15	32	32	35	170	013-03840	013-13840						

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

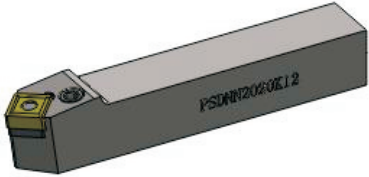
Lever lock style Toolholders (P style)

45° 直头外圆、倒角车刀

Clamping & tool style

For turning, chamfering

PSDNN



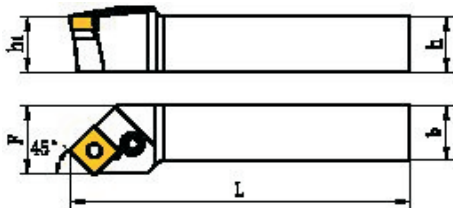
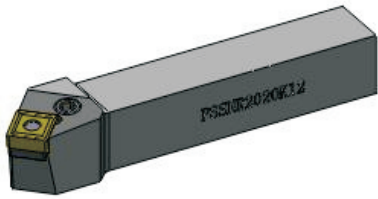
Model	Basic dimensions				Order No.						
	h=h1	b	F	L		Neutral	Insert	Shim	shim pin	lever	screw
PSDNN1616H09	16	16	8	100	013-00910	SN. . 0903. .	S09A	GH0405	G0312	LGL0617A	S3
PSDNN2020K09	20	20	10	125	013-00915						
PSDNN2020K12	20	20	10	125	013-00920						
PSDNN2525M12	25	25	12. 5	150	013-00925	SN. . 1204. .	S12A	GH0607	G0514	LGL0822	S4
PSDNN3232P12	32	32	16	170	013-00930						
PSDNN2525M15	25	25	12. 5	150	013-00935						
PSDNN3232P15	32	32	16	170	013-00940	SN. . 1506. .	S16A	GH0709	G0616	LGL0826	S4

45° 偏头外圆、端面、倒角车刀

Clamping & tool style

For turning, facing,
chamfering

PSSNR/L



Right hand shown: PSSNR2020K12

Left hand: PSSNL2020K12

Model	Basic dimensions				Order No.							
	h=h1	b	F	L	Right	Left	Insert	Shim	shim pin	lever	screw	key
PSSNR/L1616H09	16	16	20	100	013-03910	013-13910	SN. .0903..	S09A	GH0405	G0312	LGL0617A	S3
PSSNR/L2020K09	20	20	25	125	013-03915	013-13915						
PSSNR/L2020K12	20	20	25	125	013-03920	013-13920						
PSSNR/L2525M12	25	25	32	150	013-03925	013-13925	SN. .1204..	S12A	GH0607	G0514	LGL0822	S4
PSSNR/L3232P12	32	32	40	170	013-03930	013-13930						
PSSNR/L2525M15	25	25	32	150	013-03935	013-13935						
PSSNR/L3232P15	32	32	40	170	013-03940	013-13940	SN. .1506..	S16A	GH0709	G0616	LGL0826	S4

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

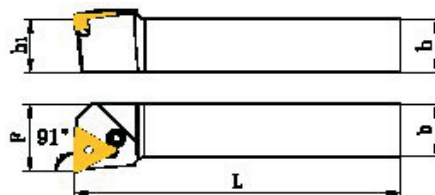
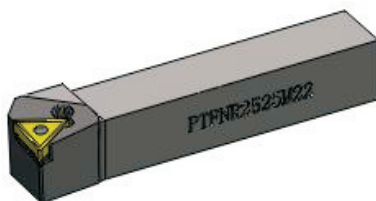
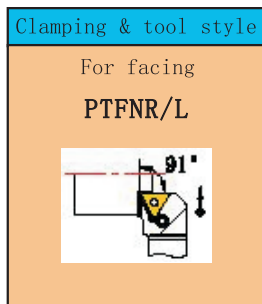
C1~C20

Technical data
技术资料

D1~D21

Lever lock style Toolholders (P style)

90° 偏头端面车刀

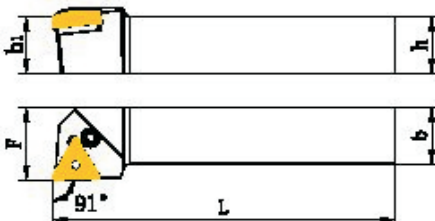
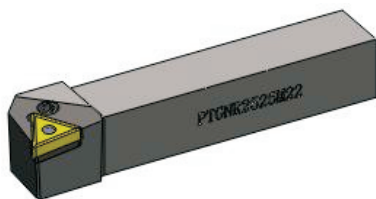
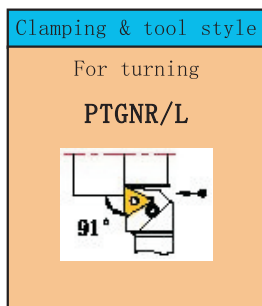


Right hand shown: PTFNR2525M22

Left hand: PTFNL2525M22

Model	Basic dimensions				Order No.		Insert	Shim	shim pin	lever	screw	key
	h=h1	b	F	L	Right	Left						
PTFNR/L1616H16	16	16	20	100	013-01310	013-11310	TN. . 1604. .	T16A	GH0405	G0310	LGL0617A	S3
PTFNR/L2020K16	20	20	25	125	013-01315	013-11315					LGL0620	
PTFNR/L2525M16	25	25	32	150	013-01320	013-11320						
PTFNR/L2525M22	25	25	32	150	013-01325	013-11325	TN. . 2204. .	T22A	GH0607	G0514	LGL0822	S4
PTFNR/L3232P22	32	32	16	170	013-01330	013-11330						

90° 偏头外圆车刀



Right hand shown: PTGNR2525M22

Left hand: PTGNL2525M22

Model	Basic dimensions				Order No.		Insert	Shim	shim pin	lever	screw	key
	h=h1	b	F	L	Right	Left						
PTGNR/L1616H16	16	16	20	100	013-01710	013-11710	TN. . 1604. .	T16A	GH0405	G0310	LGL0617A	S3
PTGNR/L2020K16	20	20	25	125	013-01715	013-11715					LGL0620	
PTGNR/L2525M16	25	25	32	150	013-01720	013-11720						
PTGNR/L2525M22	25	25	32	150	013-01725	013-11725	TN. . 2204. .	T22A	GH0607	G0514	LGL0822	S4
PTGNR/L3232P22	32	32	40	170	013-01730	013-11730						

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

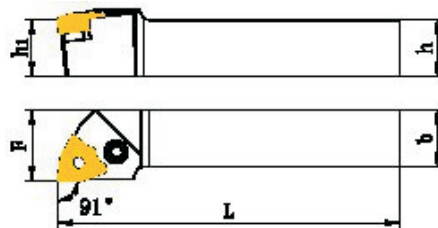
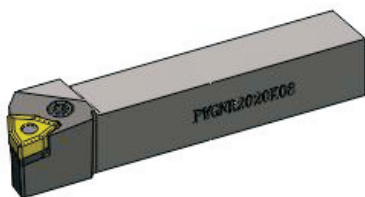
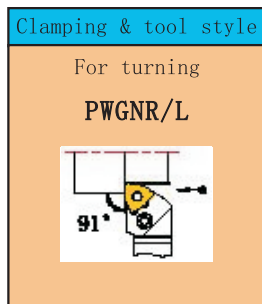
C1~C20

Technical data
技术资料

D1~D21

Lever lock style Toolholders (P style)

90° 偏头外圆车刀

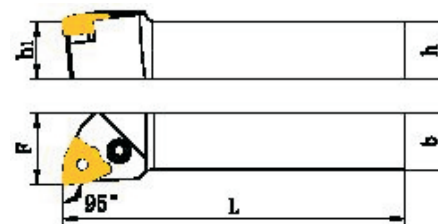
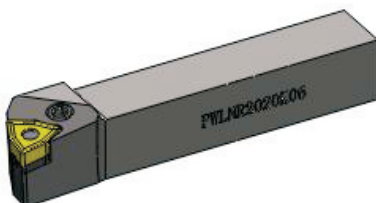
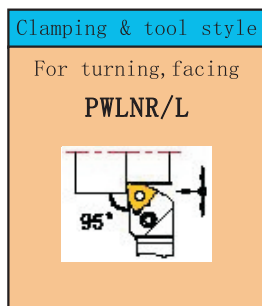


Right hand shown: PWGNR2020K08

Left hand: PWGNL2020K08

Model	Basic dimensions				Order No.		Insert	Shim	shim pin	lever	screw	key
	h=h1	b	F	L	Right	Left						
PWGNR/L1616H06	16	16	20	100	013-01810	013-11810	WN..0604..	W06A	GH0405	G0310	LGL0617A	S3
PWGNR/L2020K06	20	20	25	125	013-01815	013-11815					LGL0620	
PWGNR/L2020K08	20	20	25	125	013-01820	013-11820						
PWGNR/L2525M08	25	25	32	150	013-01825	013-11825	WN..0804..	W08A	GH0607	G0514	LGL0822	S4
PWGNR/L3232P08	32	32	40	170	013-01830	013-11830						
PWGNR/L3232P10	32	32	40	170	013-01835	013-11835	WN..1006..	W10A	GH0709	G0616	LGL0826	S4

95° 偏头外圆、端面车刀



Right hand shown: PWLNR2020K08

Left hand: PWLNL2020K08

Model	Basic dimensions				Order No.		Insert	Shim	shim pin	lever	screw	key
	h=h1	b	F	L	Right	Left						
PWLNR/L1616H06	16	16	20	100	013-03210	013-13210	WN..0604..	W06A	GH0405	G0310	LGL0617A	S3
PWLNR/L2020K06	20	20	25	125	013-03215	013-13215					LGL0620	
PWLNR/L2020K08	20	20	25	125	013-03220	013-13220						
PWLNR/L2525M08	25	25	32	150	013-03225	013-13225	WN..0804..	W08A	GH0607	G0514	LGL0822	S4
PWLNR/L3232P08	32	32	40	170	013-03230	013-13230						
PWLNR/L3232P10	32	32	40	170	013-03235	013-13235	WN..1006..	W10A	GH0709	G0616	LGL0826	S4

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

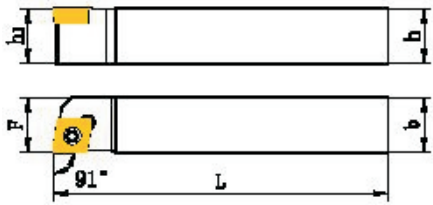
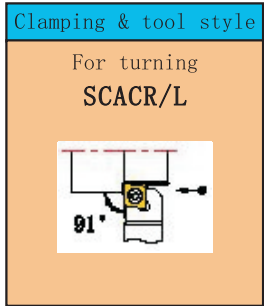
C1~C20

Technical data
技术资料

D1~D21

Screw clamping style Toolholders (S style)

90° 直头外圆车刀

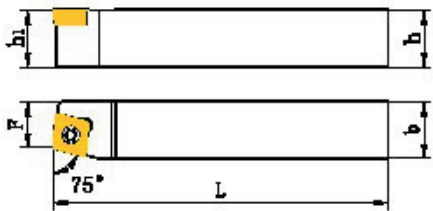
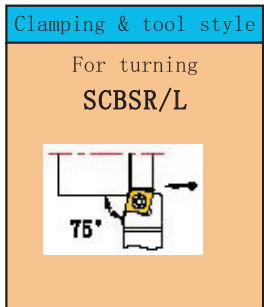


Right hand shown: SCACR1616H09

Left hand: SCACL1616H09

Model	Basic dimensions				Order No.		 Insert	 screw	 key
	h=h1	b	F	L	Right	Left			
SCACR/L0808D06	8	8	8	60	014-00110	014-10110	CC..0602..	IM2.5×6	T8
SCACR/L1010E06	10	10	10	70	014-00115	014-10115			
SCACR/L1212F06	12	12	12	80	014-00120	014-10120			
SCACR/L1212F09	12	12	12	80	014-00125	014-10125	CC..09T3..	IM4×10	T15
SCACR/L1616H09	16	16	16	100	014-00130	014-10130			
SCACR/L2020K09	20	20	20	125	014-00135	014-10135			
SCACR/L2020K12	20	20	20	125	014-00140	014-10140	CC..1204..	IM5×12	T20
SCACR/L2525M12	25	25	25	150	014-00145	014-10145			

75° 直头外圆车刀



Right hand shown: SCBCR1616H09

Left hand: SCBCL1616H09

Model	Basic dimensions				Order No.		 Insert	 screw	 key
	h=h1	b	F	L	Right	Left			
SCBCR/L1010E06	10	10	9	70	014-00410	014-10410	CC..0602..	IM2.5×6	T8
SCBCR/L1212F09	12	12	11	80	014-00415	014-10415			
SCBCR/L1616H09	16	16	13	100	014-00420	014-10420	CC..09T3..	IM4×10	T15
SCBCR/L2020K09	20	20	17	125	014-00425	014-10425			
SCBCR/L2020K12	20	20	17	125	014-00430	014-10430	CC..1204..	IM5×12	T20
SCBCR/L2525M12	25	25	22	150	014-00435	014-10435			

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

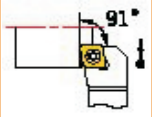
D1~D21

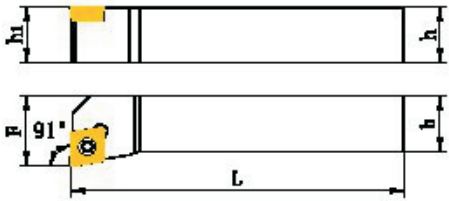
Screw clamping style Toolholders (S)

90° 偏头端面车刀

Clamping & tool style

For facing
SCFCR/L





Right hand shown: SCFCR1616H09

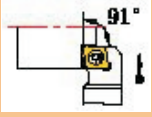
Left hand: SCFCL1616H09

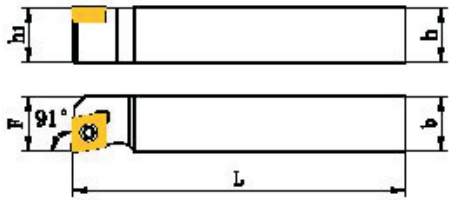
Model	Basic dimensions				Order No.		 Insert	 screw	 key
	h=h1	b	F	L	Right	Left			
SCFCR/L0808D06	8	8	10	60	014-01105	014-11105	CC..0602..	IM2.5×6	T8
SCFCR/L1010E06	10	10	12	70	014-01110	014-11110			
SCFCR/L1212F09	12	12	16	80	014-01115	014-11115	CC..09T3..	IM4×10	T15
SCFCR/L1616H09	16	16	20	100	014-01120	014-11120			
SCFCR/L2020K09	20	20	25	125	014-01125	014-11125	CC..1204..	IM5×12	T20
SCFCR/L2020K12	20	20	25	125	014-01130	014-11130			
SCFCR/L2525M12	25	25	32	150	014-01135	014-11135			

90° 直头端面车刀

Clamping & tool style

For facing
SCFCR/L..F





Right hand shown: SCFCR1616H09F

Left hand: SCFCL1616H09F

Model	Basic dimensions				Order No.		 Insert	 screw	 key
	h=h1	b	F	L	Right	Left			
SCFCR/L1010E06F	10	10	10.5	70	014-01210	014-11210	CC..0602..	IM2.5×6	T8
SCFCR/L1212F06F	12	12	12.5	80	014-01215	014-11215			
SCFCR/L1616H09F	16	16	16.5	100	014-01220	014-11220	CC..09T3..	IM4×10	T15

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

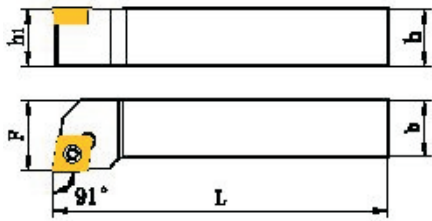
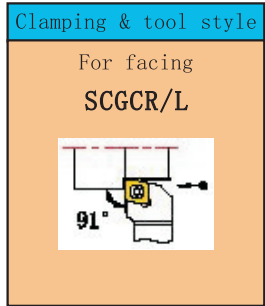
C1~C20

Technical data
技术资料

D1~D21

Screw clamping style Toolholders (S)

90° 偏头外圆车刀

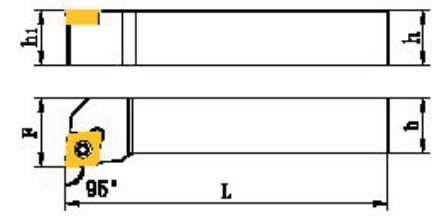
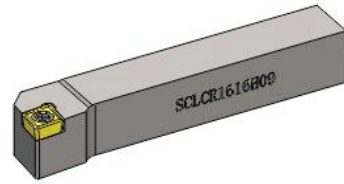
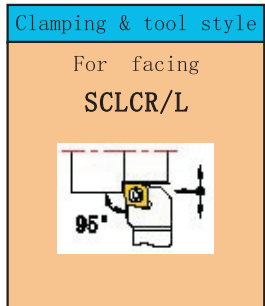


Right hand shown: SCGCR1616H09

Left hand: SCGCL1616H09

Model	Basic dimensions				Order No.		 Insert	 screw	 key
	h=h1	b	F	L	Right	Left			
SCGCR/L1010E06	10	10	12	70	014-01410	014-11410	CC..0602..	IM2.5×6	T8
SCGCR/L1212F09	12	12	16	80	014-01415	014-11415			
SCGCR/L1616H09	16	16	20	100	014-01420	014-11420	CC..09T3..	IM4×10	T15
SCGCR/L2020K09	20	20	25	125	014-01425	014-11425			
SCGCR/L2020K12	20	20	25	125	014-01430	014-11430	CC..1204..	IM5×12	T20
SCGCR/L2525M12	25	25	32	150	014-01435	014-11435			

95° 偏头外圆、端面车刀



Right hand shown: SCLCR1616H09

Left hand: SCLCL1616H09

Model	Basic dimensions				Order No.		 Insert	 screw	 key
	h=h1	b	F	L	Right	Left			
SCLCR/L0808D06	8	8	10	60	014-03005	014-13005	CC..0602..	IM2.5×6	T8
SCLCR/L1010E06	10	10	12	70	014-03010	014-13010			
SCLCR/L1212F09	12	12	16	80	014-03015	014-13015	CC..09T3..	IM4×10	T15
SCLCR/L1616H09	16	16	20	100	014-03020	014-13020			
SCLCR/L2020K12	20	20	25	125	014-03025	014-13025	CC..1204..	IM5×12	T20
SCLCR/L2525M12	25	25	32	150	014-03030	014-13030			

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

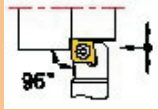
Screw clamping style Toolholders (S)

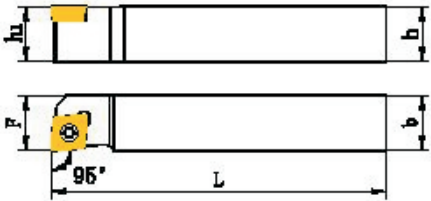
95° 直头外圆、端面车刀

Clamping & tool style

For ,facing

SCLCR/L. . F





Right hand shown: SCLCR1616H09F

Left hand: SCLCL1616H09F

Model	Basic dimensions				Order No.				
	h=h1	b	F	L	Right	Left	Insert	screw	key
SCLCR/L1010E06F	10	10	10.5	70	014-03110	014-13110	CC. .0602..	IM2.5×6	T8
SCLCR/L1212F06F	12	12	12.5	80	014-03115	014-13115			
SCLCR/L1212F09F	12	12	12.5	80	014-03120	014-13120	CC. .09T3..	IM4×10	T15
SCLCR/L1616H09F	16	16	16.5	100	014-03125	014-13125			
SCLCR/L2020K09F	20	20	20.5	125	014-03130	014-13130			

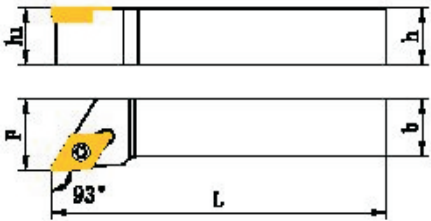
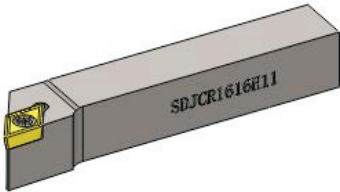
93° 偏头外圆仿形车刀

Clamping & tool style

For ,profiling

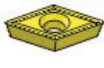
SDJCR/L





Right hand shown: SDJCR1616H11

Left hand: SDJCL1616H11

Model	Basic dimensions				Order No.				
	h=h1	b	F	L	Right	Left	Insert	screw	key
SDJCR/L1010E07	10	10	12	70	014-01910	014-11910	DC. .0702..	IM2.5×6	T8
SDJCR/L1212F07	12	12	16	80	014-01915	014-11915			
SDJCR/L1212F11	12	12	16	80	014-01920	014-11920	DC. .11T3..	IM4×10	T15
SDJCR/L1616H11	16	16	20	100	014-01925	014-11925			
SDJCR/L2020K11	20	20	25	125	014-01930	014-11930			
SDJCR/L2525M11	25	25	32	150	014-01935	014-11935			

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

Screw clamping style Toolholders (S)

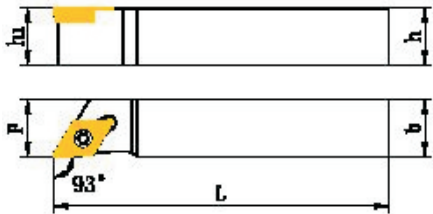
93° 直头外圆仿形车刀

Clamping & tool style

For ,profiling

SCJCR/L..F





Right hand shown: SDJCR1616H11F

Left hand: SDJCL1616H11F

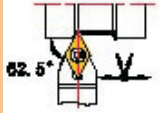
Model	Basic dimensions				Order No.		 Insert	 screw	 key
	h=h1	b	F	L	Right	Left			
SDJCR/L1010E07F	10	10	10.5	70	014-02010	014-12010	DC..0702..	IM2.5×6	T8
SDJCR/L1212F07F	12	12	12.5	80	014-02015	014-12015			
SDJCR/L1616H07F	16	16	16.5	100	014-02020	014-12020			
SDJCR/L1212F11F	12	12	12.5	80	014-02025	014-12025			
SDJCR/L1616H11F	16	16	16.5	100	014-02030	014-12030	DC..11T3..	IM4×10	T15
SDJCR/L2020K11F	20	20	20.5	125	014-02035	014-12035			

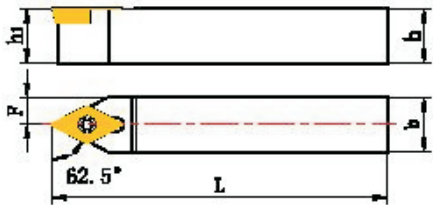
62.5° 直头外圆仿形车刀

Clamping & tool style

For ,profiling

SDPCN





Model	Basic dimensions				Order No.	 Insert	 screw	 key
	h=h1	b	F	L	Neutral			
SDPCN1010E07	10	10	5	70	014-03410	DC..0702..	IM2.5×6	T8
SDPCN1212F07	12	12	6	80	014-03415			
SDPCN1212F11	12	12	6	80	014-03420			
SDPCN1616H11	16	16	8	100	014-03425	DC..11T3..	IM4×10	T15
SDPCN2020K11	20	20	10	125	014-03430			

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

Screw clamping style Toolholders (S)

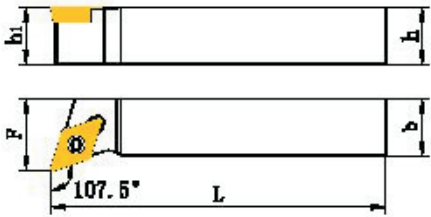
107.5° 偏头外圆仿形车刀

Clamping & tool style

For ,profiling

SDQCR/L





Right hand shown: SDQCR1616H11

Left hand: SDQCL1616H11

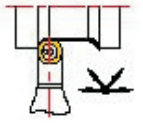
Model	Basic dimensions				Order No.		 Insert	 screw	 key
	h=h1	b	F	L	Right	Left			
SDQCR/L1010E07	10	10	12	70	014-03510	014-13510	DC. . 0702..	IM2. 5×6	T8
SDQCR/L1212F07	12	12	16	80	014-03515	014-13515			
SDQCR/L1212F11	12	12	16	80	014-03520	014-13520	DC. . 11T3..	IM4×10	T15
SDQCR/L1616H11	16	16	20	100	014-03525	014-13525			
SDQCR/L2020K11	20	20	25	125	014-03530	014-13530			

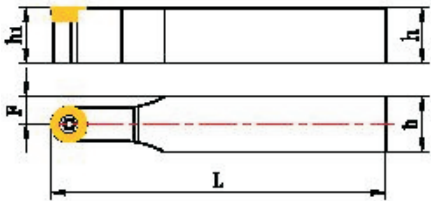
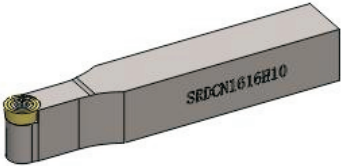
R 直头外圆、仿形车刀

Clamping & tool style

For ,profiling

SRDCN





Model	Basic dimensions				Order No.	 Insert	 screw	 key
	h=h1	b	F	L				
SRDCN1212F08	12	12	6	80	014-00810	RC. . 0803MO	IM3×8	T8
SRDCN1616H10	16	16	8	100	014-00815			
SRDCN2020K10	20	20	10	125	014-00820	RC. . 10T3MO	IM4×10	T15
SRDCN2525M10	25	25	12. 5	150	014-00825			
SRDCN2020K12	20	20	10	125	014-00830	RC. . 1204MO	IM4×12	T15
SRDCN2525M12	25	25	12. 5	150	014-00835			
SRDCN3232P16	32	32	16	170	014-00840	RC. . 1604MO	IM5×14	T20

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

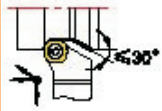
D1~D21

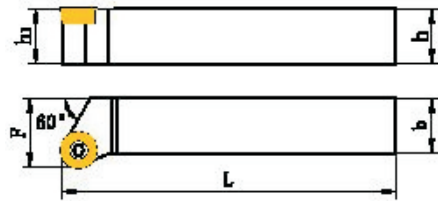
Screw clamping style Toolholders (S)

R 偏头外圆、端面、仿形车刀

Clamping & tool style

For ,facing
profiling
SRGCR/L





Right hand shown: SRGCR1616H10

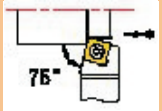
Left hand: SRGCL1616H10

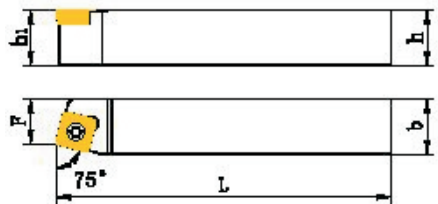
Model	Basic dimensions				Order No.		 Insert	 screw	 key
	h=h1	b	F	L	Right	Left			
SRGCR/L1212F08	12	12	16	80	014-01610	014-11610	RC. .0803MO	IM3×8	T8
SRGCR/L1616H10	16	16	20	100	014-01615	014-11615			
SRGCR/L2020K10	20	20	25	125	014-01620	014-11620			
SRGCR/L2525M10	25	25	32	150	014-01625	014-11625	RC. .10T3MO	IM4×10	T15
SRGCR/L2020K12	20	20	25	125	014-01630	014-11630			
SRGCR/L2525M12	25	25	32	150	014-01635	014-11635			
SRGCR/L3232P12	32	32	40	170	014-01640	014-11640			

75° 直头外圆车刀

Clamping & tool style

Foring
SSBCR/L





Right hand shown: SSBCR1616H09

Left hand: SSBCL1616H09

Model	Basic dimensions				Order No.		 Insert	 screw	 key
	h=h1	b	F	L	Right	Left			
SSBCR/L1212F09	12	12	11	80	014-00510	014-10510	SC. .09T3..	IM4×10	T15
SSBCR/L1616H09	16	16	13	100	014-00515	014-10515			
SSBCR/L2020K09	20	20	17	125	014-00520	014-10520			
SSBCR/L2020K12	20	20	17	125	014-00525	014-10525	SC. .1204..	IM5×12	T20
SSBCR/L2525M12	25	25	22	150	014-00530	014-10530			

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

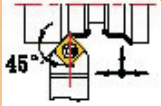
Screw clamping style Toolholders (S)

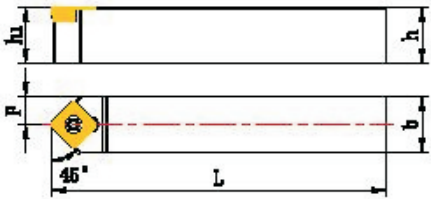
45° 直头外圆、倒角车刀

Clamping & tool style

For , chamfering

SSDCN





Model	Basic dimensions				Order No.			
	h=h1	b	F	L	Neutral	Insert	screw	key
SSDCN1212F09	12	12	6	80	014-00910	SC. . 09T3. .	IM4×10	T15
SSDCN1616H09	16	16	8	100	014-00910			
SSDCN2020K09	20	20	10	125	014-00915			
SSDCN2020K12	20	20	10	125	014-00920	SC. . 1204. .	IM5×12	T20
SSDCN2525M12	25	25	12. 5	150	014-00925			

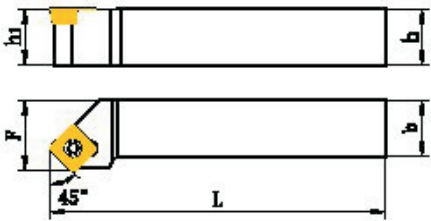
45° 偏头外圆、端面、倒角车刀

Clamping & tool style

For , facing,
chamfering

SSSCR/L





Right hand shown: SSSCR1616H09

Left hand: SSACL1616H09

Model	Basic dimensions				Order No.		 Insert	 screw	 key
	h=h1	b	F	L	Right	Left			
SSSCR/L1212F09	12	12	16	80	014-03910	014-13910	SC..09T3..	IM4×10	T15
SSSCR/L1616H09	16	16	20	100	014-03915	014-13915			
SSSCR/L2020K09	20	20	25	125	014-03920	014-13920			
SSSCR/L2020K12	20	20	25	125	014-03925	014-13925	SC..1204..	IM5×12	T20
SSSCR/L2525M12	25	25	32	150	014-03930	014-13930			

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

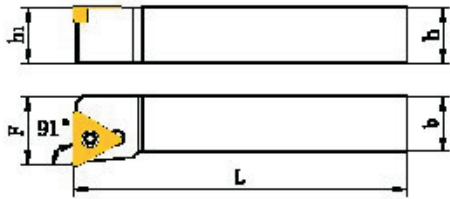
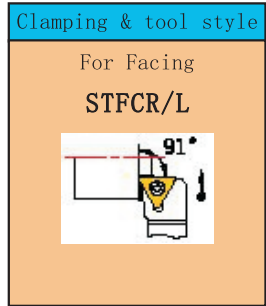
C1~C20

Technical data
技术资料

D1~D21

Screw clamping style Toolholders (S)

90° 偏头端面车刀

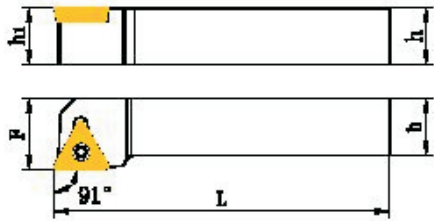
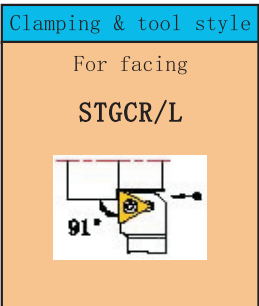


Right hand shown: STFCR1616H16

Left hand: STFCL1616H16

Model	Basic dimensions				Order No.		 Insert	 screw	 key
	h=h1	b	F	L	Right	Left			
STFCR/L0808D09	8	8	10	60	014-01305	014-11305	TC..0902..	IM2.2×6	T6
STFCR/L1010E09	10	10	12	70	014-01310	014-11310			
STFCR/L1212F11	12	12	16	80	014-01315	014-11315	TC..1102..	IM2.5×6	T8
STFCR/L1616H11	16	16	20	100	014-01320	014-11320			
STFCR/L1616H16	16	16	20	100	014-01325	014-11325	TC..16T3..	IM4×10	T15
STFCR/L2020K16	20	20	25	125	014-01330	014-11330			
STFCR/L2525M16	25	25	32	150	014-01335	014-11335			

90° 偏头外圆车刀



Right hand shown: STGCR1616H16

Left hand: STGCL1616H16

Model	Basic dimensions				Order No.		 Insert	 screw	 key
	h=h1	b	F	L	Right	Left			
STGCR/L0808D09	8	8	10	60	014-01705	014-11705	TC..0902..	IM2.2×6	T6
STGCR/L1010E09	10	10	12	70	014-01710	014-11710			
STGCR/L1212F11	12	12	16	80	014-01715	014-11715	TC..1102..	IM2.5×6	T8
STGCR/L1616H11	16	16	20	100	014-01720	014-11720			
STGCR/L1616H16	16	16	20	100	014-01725	014-11725	TC..16T3..	IM4×10	T15
STGCR/L2020K16	20	20	25	125	014-01730	014-11730			
STGCR/L2525M16	25	25	32	150	014-01735	014-11735			

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

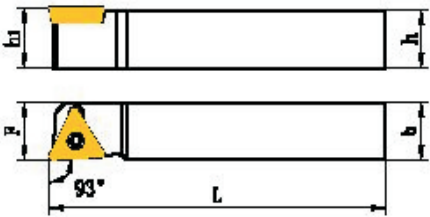
Screw clamping style Toolholders (S)

93° 直头外圆车刀

Clamping & tool style

For facing

STJCR/L..F



Right hand shown: STJCR1616H16F

Left hand: STJCR1616H16F

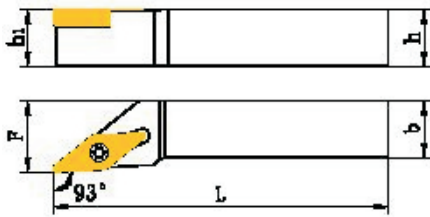
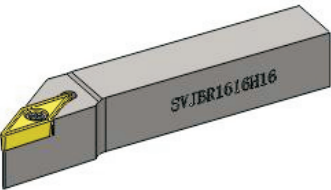
Model	Basic dimensions				Order No.				
	h=h1	b	F	L	Right	Left	Insert	screw	key
STJCR/L1010E09F	10	10	10.5	70	014-02310	014-12310	TC..0902..	IM2.2×6	T6
STJCR/L1212F11F	12	12	12.5	80	014-02315	014-12315	TC..1102..	IM2.5×6	T8
STJCR/L1616H11F	16	16	16.5	100	014-02320	014-12320			
STJCR/L1616H16F	16	16	16.5	100	014-02325	014-12325	TC..16T3..	IM4×10	T15
STJCR/L2020K16F	20	20	20.5	125	014-02330	014-12330			

93° 偏头外圆仿形车刀

Clamping & tool style

For ,profiling

SVJBR/L



Right hand shown: SVJBR1616H16

Left hand: SVJBL1616H16

Model	Basic dimensions				Order No.				
	h=h1	b	F	L	Right	Left	Insert	screw	key
SVJBR/L1010E11	10	10	12	70	014-02510	014-12510	VB..1102..	IM2.5×6	T8
SVJBR/L1212F11	12	12	16	80	014-02515	014-12515			
SVJBR/L1616H11	16	16	20	100	014-02520	014-12520			
SVJBR/L2020K11	20	20	25	125	014-02525	014-12525			
SVJBR/L2525M11	25	25	32	150	014-02530	014-12530			
SVJBR/L1616H16	16	16	20	100	014-02535	014-12535	VB..1604..	IM4×10	T15
SVJBR/L2020K16	20	20	25	125	014-02540	014-12540			
SVJBR/L2525M16	25	25	32	150	014-02545	014-12545			

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

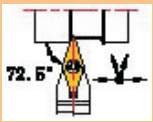
Screw clamping style Toolholders (S)

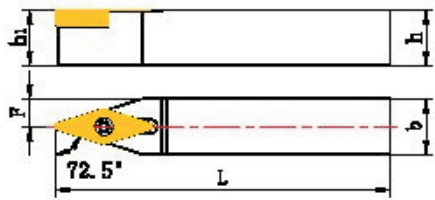
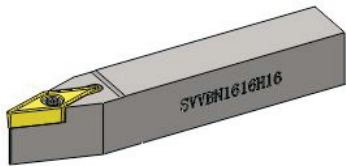
72.5° 直头外圆仿形车刀

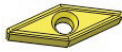
Clamping & tool style

For ,profiling

SVVBN





Model	Basic dimensions				Order No.			
	h=h1	b	F	L	Neutral	Insert	screw	key
SVVBN1010E11	10	10	5	70	014-04610	VB. . 1102..	IM2. 5×6	T8
SVVBN1212F11	12	12	6	80	014-04615			
SVVBN1616H11	16	16	8	100	014-04620			
SVVBN2020K11	20	20	10	125	014-04625			
SVVBN1616H16	16	16	8	100	014-04630	VB. . 1604..	IM4×10	T15
SVVBN2020K16	20	20	10	125	014-04635			
SVVBN2525M16	25	25	12. 5	150	014-04640			

Toolholders index

外圆车刀一览表

A1~A51

Inserts & spare parts

刀片及附件

C1~C20

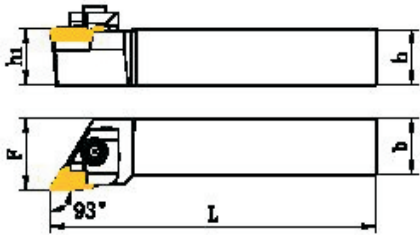
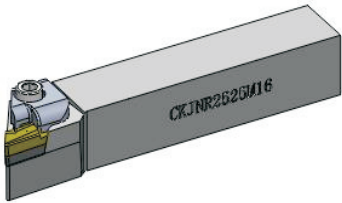
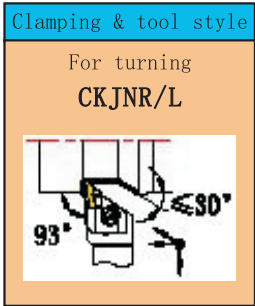
Technical data

技术资料

D1~D21

Top clamping style Toolholders (C style)

93° 偏头外圆车刀



Right hand shown: CKJNR2525M16

Left hand: CKJNL2525M16

Model	Basic dimensions				Order No.									
	h=h1	b	F	L		Insert	Shim	Shim screw	Clamp	Screw	Pin	Spring	Spring	key
CKJNR2020K16	20	20	30	125	015-02110	KNUX1604R	CKJ-7R	LYM0308	CKJ-4R	M6×20	CKJ-5	CKJ-2	CKJ-6	S4 S2
CKJNR2525M16	25	25	32	150	015-02115									
CKJNR3225P16	32	25	32	170	015-02120									
					Left									
CKJNL2020K16	20	20	30	125	015-12110	KNUX1604L	CKJ-7L	LYM0308	CKJ-4L	M6×20	CKJ-5	CKJ-2	CKJ-6	S4 S2
CKJNL2525M16	25	25	32	150	015-12115									
CKJNL3225P16	32	25	32	170	015-12120									

CKJNR/L Parts

Name	Model	Order No.
Insert (RH)	KNUX160405R	807-70010
Insert (LH)	KNUX160405L	807-80010
Shim (RH)	CKJ-7R	905-20161
Shim (LH)	CKJ-7L	905-20162
Shim screw	LYM0308	91A-03001
Clamp (RH)	CKJ-4R	964-00001
Clamp (LH)	CKJ-4L	964-10001
Clamp screw	GB70-85 M6×20	910-06003
Pin	CKJ-5	992-10001
Spring	CKJ-2	930-85131
spring	CKJ-6	930-35111
Hex key	S2	982-10201
Hex key	S4	982-10401

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外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

Top clamping style Toolholders (C style)

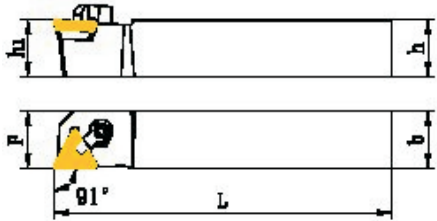
60° 直头外圆车刀

Clamping & tool style

For turning

CTAPR/L





Right hand shown: CTAPR2020K16

Left hand: CTAPL2020K16

Model	Basic dimensions				Order No.							
	h=h1	b	F	L	Right	Left	insert	Shim	Shim screw	Clamp	Clamp screw	key
CTAPR/L1212F11	12	12	12	80	015-00305	015-10305	TP..1103..	T11D	M2. 5×6	CL-6	XNS-0517	T8 S2. 5
CTAPR/L1616H16	16	16	16	100	015-00310	015-10310	TP..1603..	T16D	LYM0308		XNS-0520	S1. 5 S2. 5
CTAPR/L2020K16	20	20	20	125	015-00315	015-10315						
CTAPR/L2525M16	25	25	25	150	015-00320	015-10320						
CTAPR/L2525M22	25	25	25	150	015-00325	015-10325	TP..2204..	T22D	LYM0308	CL-12	XNS-0829	S1. 5 S4
CTAPR/L3232P22	32	32	32	170	015-00330	015-10330						

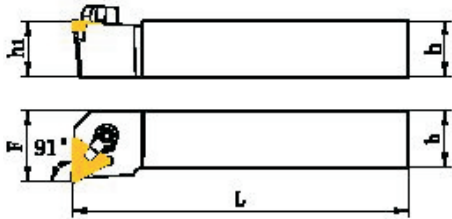
90° 偏头端面车刀

Clamping & tool style

For facing

CTFPR/L





Right hand shown: CTFPR2020K16

Left hand: CTFPL2020K16

Model	Basic dimensions				Order No.							
	h=h1	b	F	L	Right	Left	Insert	Shim	Shim screw	Clamp	Clamp screw	key
CTFPR/L1212F11	12	12	16	80	015-01305	015-11305	TP..1103..	T11D	M2. 5×6	CL-6	XNS-0517	T8 S2. 5
CTFPR/L1616H16	16	16	20	100	015-01310	015-11310	TP..1603..	T16D	LYM0308		XNS-0520	S1. 5 S2. 5
CTFPR/L2020K16	20	20	25	125	015-01315	015-11315						
CTFPR/L2525M16	25	25	32	150	015-01320	015-11320						
CTFPR/L2525M22	25	25	32	150	015-01325	015-11325	TP..2204..	T22D	LYM0308	CL-12	XNS-0829	S1. 5 S4
CTFPR/L3232P22	32	32	40	170	015-01330	015-11330						

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

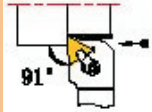
Top clamping style Toolholders (C style)

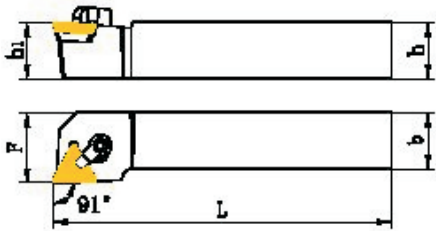
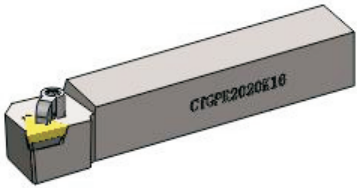
90° 偏头外圆车刀

Clamping & tool style

For turning

CTGPR/L





Right hand shown: CTGPR2020K16

Left hand: CTGPL2020K16

Model	Basic dimensions				Order No.							
	h=h1	b	F	L	Right	Left	Insert	Shim	Shim screw	Clamp	Clamp screw	key
CTGPR/L1212H11	12	12	16	100	015-01705	015-11705	TP..1103..	T11D	M2. 5×6	CL-6	XNS-0517	T8 S2. 5
CTGPR/L1616H16	16	16	20	100	015-01710	015-11710	TP..1603..	T16D	LYM0308		XNS-0520	S1. 5 S2. 5
CTGPR/L2020K16	20	20	25	125	015-01715	015-11715						
CTGPR/L2525M16	25	25	32	150	015-01720	015-11720	TP..2204..					
CTGPR/L2525M22	25	25	32	150	015-01725	015-11725						
CTGPR/L3232P22	32	32	40	170	015-01730	015-11730		T22D	LYM0308	CL-12	XNS-0829	S1. 5 S4

Toolholders index

外圆车刀一览表

A1~A51

Inserts & spare parts

刀片及附件

C1~C20

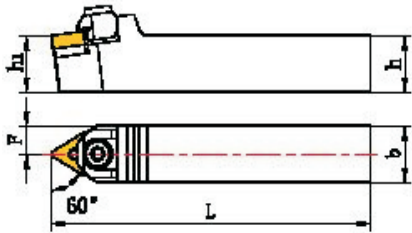
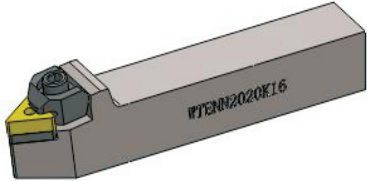
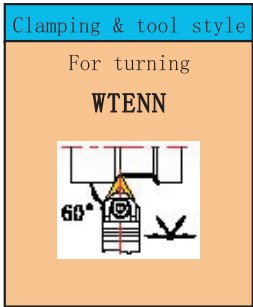
Technical data

技术资料

D1~D21

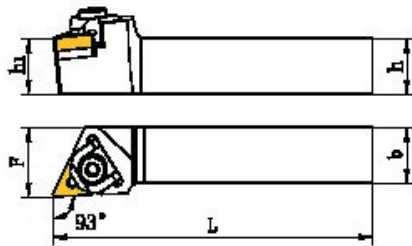
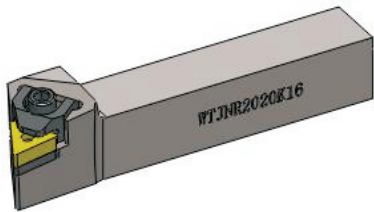
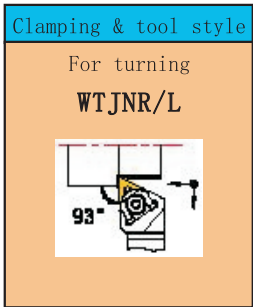
Wedge lock style Toolholderss (W style)

60° 直头外圆车刀



Model	Basic dimensions				Order No.											
	h=h1	b	F	L	Neutral	Insert	Shim	Lock pin	Clamp	Clamp screw	clip	key				
WTENN1616H16	16	16	8	100	016-01010	TN..1604..	WST163	WSP36514	X1518	WTCW525	E4	S2.5 S4				
WTENN2020K16	20	20	10	125	016-01015		WST164	WSP36517								
WTENN2525M16	25	25	12.5	150	016-01020											
WTENN2525M22	25	25	12.5	150	016-01025	TN..2204..	WST224	WSP50617	X1922	WTCW625	E5	S3 S5				
WTENN3232P22	32	32	16	170	016-01030											

93° 偏头外圆车刀



Right hand shown: WTJNR2020K16

Left hand: WTJNL2020K16

Model	Basic dimensions				Order No.								
	h=h1	b	F	L	Right	Left	Insert	Shim	Lock pin	Clamp	Clamp screw	clip	key
WTJNR/L1616H16	16	16	22	100	016-02210	016-12210	TN..1604..	WST163	WSP36514	X1518	WTCW525	E4	S2.5 S4
WTJNR/L2020K16	20	20	25	125	016-02215	016-12215		WST164	WSP36517				
WTJNR/L2525M16	25	25	32	150	016-02220	016-12220							
WTJNR/L2525M22	25	25	32	150	016-02225	016-12225	TN..2204..	WST224	WSP50617	X1922	WTCW625	E5	S3 S4
WTJNR/L3232P22	32	32	40	170	016-02230	016-12230							

Toolholders index
外圆车刀一览表

A1~A51

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

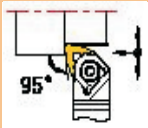
Wedge lock style Toolholderss (W style)

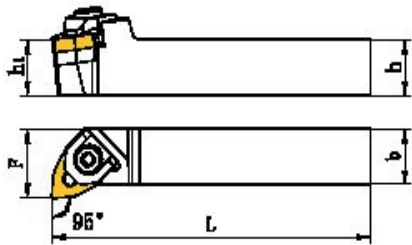
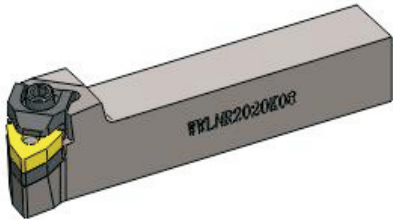
95° 偏头外圆车刀

Clamping & tool style

For turning, facing

WWLNR/L





Right hand shown: WWLNR2020K08

Left hand: WWLNL2020K08

Model	Basic dimensions				Order No.								
	h=h1	b	F	L	Right	Left	Insert	Shim	Lock pin	Clamp	Clamp screw	clip	key
WWLNR/L2020K08	20	20	25	125	016-03210	016-13210	WN..0804..	WSW084	WSP50617	WW08C	WTCW525	E4	S2.5 S4
WWLNR/L2525M08	25	25	32	150	016-03215	016-13215							
WWLNR/L3232P08	32	32	40	170	016-03220	016-13220							

Toolholders index

外圆车刀一览表

A1~A51

Inserts & spare parts

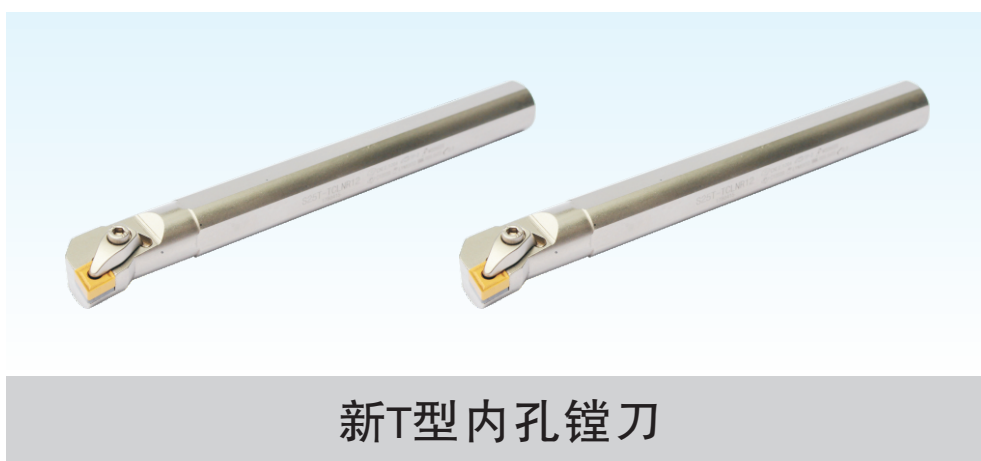
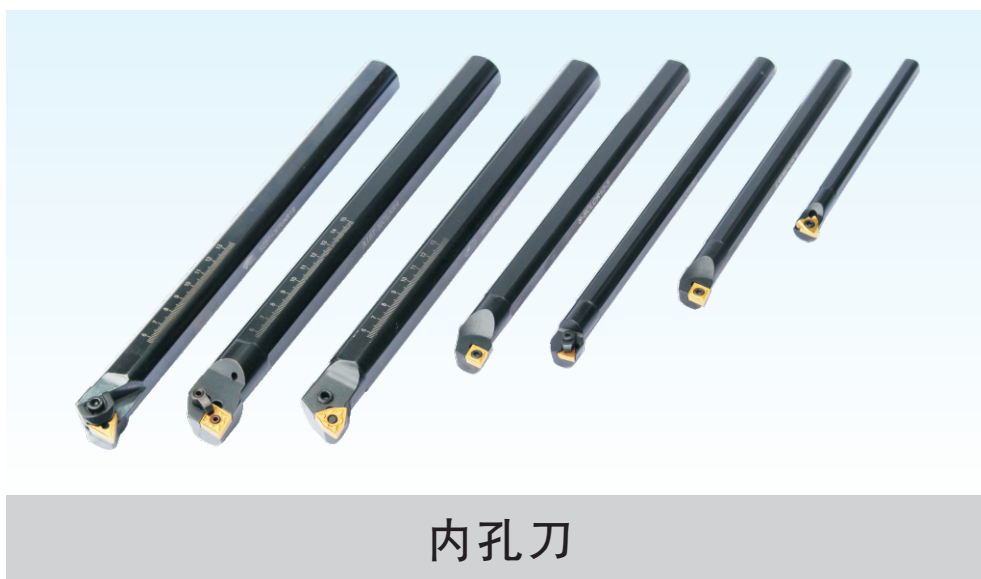
刀片及附件

C1~C20

Technical data

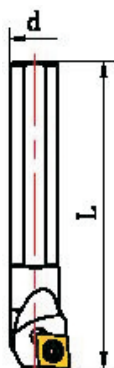
技术资料

D1~D21



可转位内孔车刀型号的表示规则（公制）

Indexable Boring Bar Identification System (Metric)



3、刀具长度
Tool length

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

7、刀片后角
Insert clearance angle

B		C	
D		E	
N		P	

5、刀片形状
Insert shape

C	
D	
S	
T	
V	
W	

9、切削刃长
Cutting edge length

C		D		K	
R		S		T	
V		W			

1、刀具结构
Type of Bar

S	钢制刀杆 Steel bar
A	内冷式钢制刀杆 Steel bar with coolant hole
C	硬质合金刀杆 Carbide bar
E	内冷式硬质合金刀杆 Carbide bar with coolant hole
H	重金属刀杆
J	内冷式重金属刀杆

S	20	R	-	S	T	F	C	R	16	
1	2	3		4	5	6	7	8	9	10

4、压紧方式
Method of holding

Top clamp ing	C	Screw clamp ing	S
Top and hole clamp ing	M	Double clamp ing	T
Pin only	P	Wedge clamp ing	W

6、刀具形式
Tool style or lead angle

F	J	K
L	O	Q
2、刀杆直径 Shank diameter(mm)		
U		
S		

8、切削方向
Hand of tool

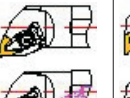
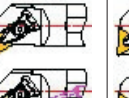
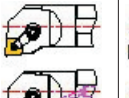
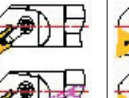
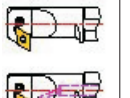
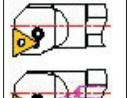
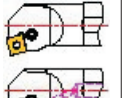
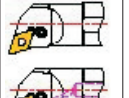
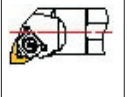
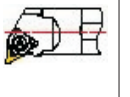
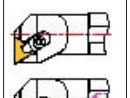
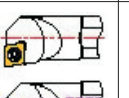
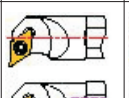
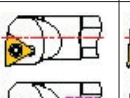
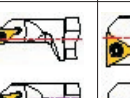
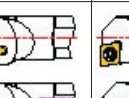
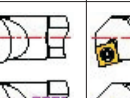
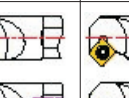
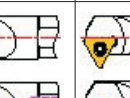
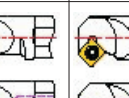
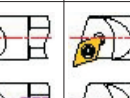
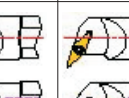
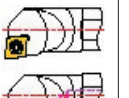
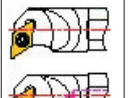
R
L

10、附加代码
Additional code

D=加大偏置f+1mm Extended
E=加大偏置f+2mm Extended
R=圆柱柄 Cylindrical handle
X=背镗 back boring

Boring Bar Index(Metric)



Kr:	95°		93°				93°		90°		75°	62.5°	60°	45°	107.5°		Kr:
Insert	CN/CC/CP	WN	DN/DC	TN/TC	VN/VB	DN/DC	VB	VB	TN/TC/TP	CC	SN/SC	DN/DC	TN/TC	SC	DN/DC	VB/VC	Insert
Tool style or lead angle																	Tool style or lead angle
new T Double clmping																	new T Double clmping
Page	A55	A63	A58	A61	A62						A59	A56	A60		A57		Page
M Top and hole clamping																	M Top and hole clamping
Page	A64	A70	A65	A68	A69				A67		A66						Page
P Pin only																	P Pin only
Page	A71	A78	A73	A77		A74			A76		A75				A72		
W Wedge clamping																	C Top clamping
Page		A101		A101					A100								Page
S Screw clamping																	S 螺钉压紧式
Page	A80		A83	A89	A92	A84	A93	A90	A88	A79	A85	A81	A87	A86	A82	A91	Page
new S(阻尼)																	new S(阻尼)
Page	A94		A96	A97	A99										A95	A98	Page

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts

刀片及附件

C1~C20

Technical data

技术资料

D1~D21

Boring bar index

内孔车刀一览表

A52~A101

Inserts & spare parts

刀片及附件

C1~C20

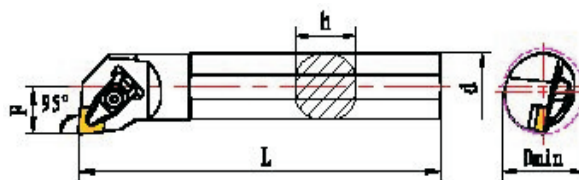
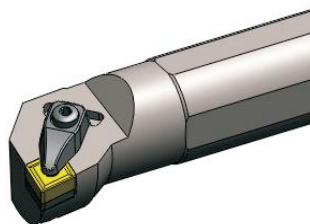
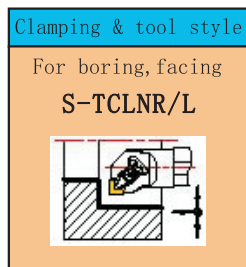
Technical data

技术资料

D1~D21

Double clamp style boring bar(T style)

95° 内孔、端面车刀

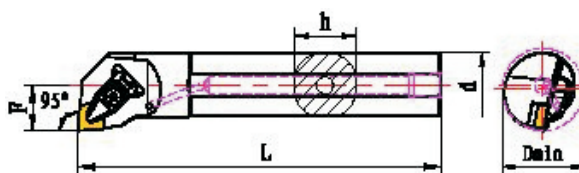
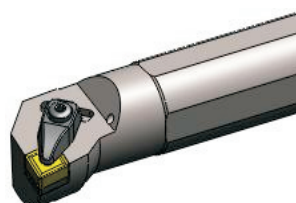
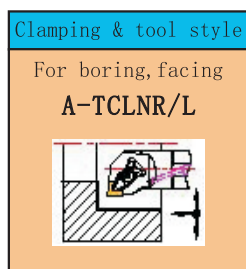


Right hand shown: S32T-TCLNR12

Left hand: S32T-TCLNL12

Model	Basic dimensions					Order No.								
	d	h	L	F	Dmin	Right	Left	Insert	Shim	Shim screw	clamp	clamp screw	spring	key
S20R-TCLNR/L09	20	18	200	13	25	111-03010	111-13010	CN. . 0903. .	-	-	TP-1	MS0420	YB5512	S3
S25S-TCLNR/L09	25	23	250	17	32	111-03015	111-13015		C0903B	LYM0508		MS0422		
S25S-TCLNR/L12	25	23	250	17	32	111-03020	111-13020	CN. . 1204. .	C12BLR/L	LYM0610	TP-2	MS0523	YB6512	S3
S32T-TCLNR/L12	32	30	300	22	40	111-03025	111-13025		C1203B					
S40U-TCLNR/L12	40	37	350	27	50	111-03030	111-13030							
S50V-TCLNR/L12	50	47	400	35	63	111-03035	111-13035	CN. . 1606. .	C1604B	LYM0810	TP-4			S3 S4
S40U-TCLNR/L16	40	37	350	27	50	111-03040	111-13040							
S50V-TCLNR/L16	50	47	400	35	63	111-03045	111-13045							

95° 内孔、端面车刀（内冷 with coolant hole）



Right hand shown: A32T-TCLNR12

Left hand: A32T-TCLNL12

Model	Basic dimensions					Order No.								
	d	h	L	F	Dmin	Right	Left	Insert	Shim	Shim screw	clamp	clamp screw	spring	key
A20R-TCLNR/L09	20	18	200	13	25	121-03010	121-13010	CN. . 0903..	-	-	TP-1	MS0420	YB5512	S3
A25S-TCLNR/L09	25	23	250	17	32	121-03015	121-13015		C0903B	LYM0508		MS0422		
A25S-TCLNR/L12	25	23	250	17	32	121-03020	121-13020	CN. . 1204..	C12BLR/L	LYM0610	TP-2	MS0523	YB6512	S3
A32T-TCLNR/L12	32	30	300	22	40	121-03025	121-13025		C1203B					
A40U-TCLNR/L12	40	37	350	27	50	121-03030	121-13030							
A50V-TCLNR/L12	50	47	400	35	63	121-03035	121-13035	CN. . 1606..	C1604B	LYM0810	TP-4			S3 S4
A40U-TCLNR/L16	40	37	350	27	50	121-03040	121-13040							
A50V-TCLNR/L16	50	47	400	35	63	121-03045	121-13045							

Boring bar index

内孔车刀一览表

A52~A101

Inserts & spare parts

刀片及附件

C1~C20

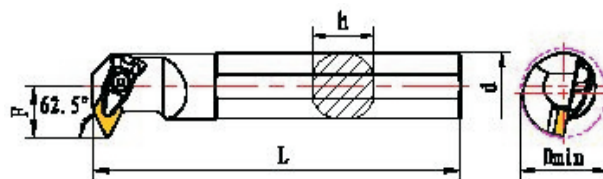
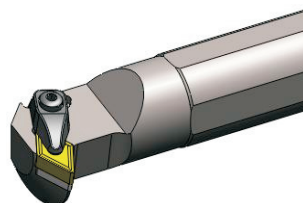
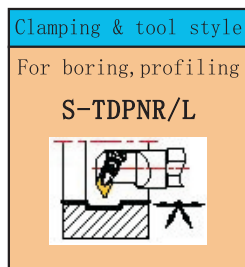
Technical data

技术资料

D1~D21

Double clamp style boring bar(T style)

62.5° 内孔仿形车刀

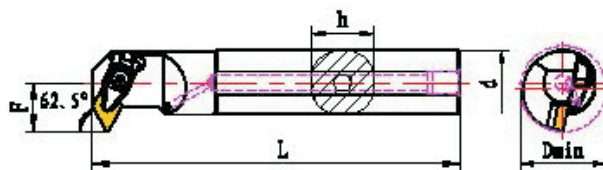
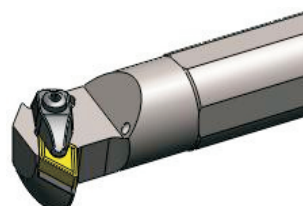
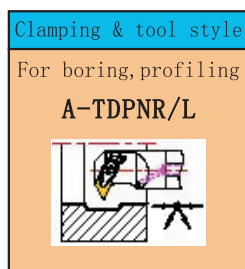


Right hand shown: S32T-TDPNR15-E

Left hand: S32T-TDPNL15-E

Model	Basic dimensions					Order No.		Insert	Shim	Shim screw	clamp	clamp screw	spring	key
	d	h	L	F	Dmin	Right	Left							
S25S-TDPNR/L11-E	25	23	250	19	34	111-03410	111-13410	DN. . 1104. .	-	-	TP-1	MS0420	YB5512	S3
S32T-TDPNR/L11	32	30	300	22	40	111-03415	111-13415		D1103B	LYM0508		MS0422		
S32T-TDPNR/L15-E	32	30	300	24	42	111-03420	111-13420	DN. . 1504. .	D1503B	LYM0610	TP-2	MS0523	YB6512	S3
S40U-TDPNR/L15-E	40	37	350	29	52	111-03425	111-13425							
S50V-TDPNR/L15	50	47	400	35	63	111-03430	111-13430							

62.5° 内孔仿形车刀（内冷 with coolant hole）



Right hand shown: A32B2-TDPNR15-E

Left hand: A32T-TDPNL15-E

Model	Basic dimensions					Order No.		Insert	Shim	Shim screw	clamp	clamp screw	spring	key
	d	h	L	F	Dmin	Right	Left							
A25S-TDPNR/L11-E	25	23	250	19	34	121-03410	121-13410	DN. . 1104. .	-	-	TP-1	MS0420	YB5512	S3
A32T-TDPNR/L11	32	30	300	22	40	121-03415	121-13415		D1103B	LYM0508		MS0422		
A32T-TDPNR/L15-E	32	30	300	24	42	121-03420	121-13420	DN. . 1504. .	D1503B	LYM0610	TP-2	MS0523	YB6512	S3
A40U-TDPNR/L15-E	40	37	350	29	52	121-03425	121-13425							
A50V-TDPNR/L15	50	47	400	35	63	121-03430	121-13430							

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

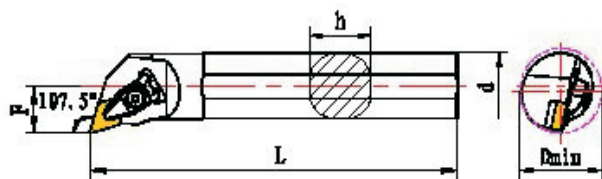
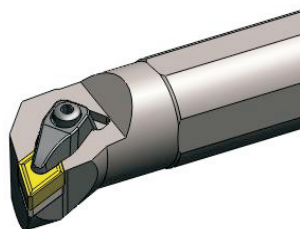
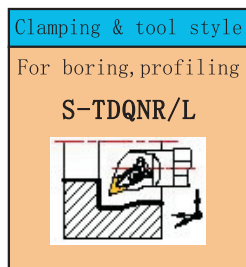
C1~C20

Technical data
技术资料

D1~D21

Double clamp style boring bar(T style)

107.5° 内孔仿形车刀

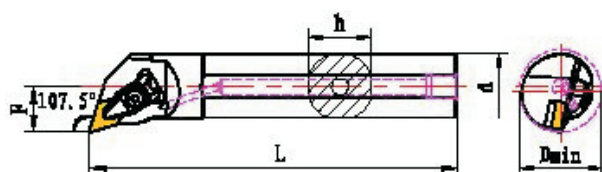
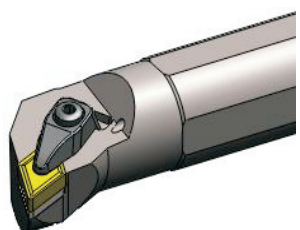
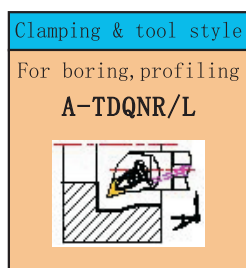


Right hand shown: S32T-TDQNR15

Left hand: S32T-TDQNL15

Model	Basic dimensions					Order No.								
	d	h	L	F	Dmin	Right	Left	Insert	Shim	Shim screw	clamp	clamp screw	spring	key
S25S-TDQNR/L11	25	23	250	17	32	111-03510	111-13510	DN. . 1104. .	D11BQR/L	LYM0508	TP-1	MS0422	YB5512	S3
S32T-TDQNR/L11	32	30	300	22	40	111-03515	111-13515		D1103B					
S25S-TDQNR/L15	25	23	250	17	32	111-03520	111-13520	DN. . 1504. .	D15BQR/L	LYM0610	TP-2	MS0523	YB6512	S3
S32T-TDQNR/L15	32	30	300	22	40	111-03525	111-13525		D1503B					
S40U-TDQNR/L15	40	37	350	27	50	111-03530	111-13530							
S50V-TDQNR/L15	50	47	400	35	63	111-03535	111-13535							

107.5° 内孔仿形车刀（内冷 with coolant hole）



Right hand shown: A32T-TDQNR15

Left hand: A32T-TDQNL15

Model	Basic dimensions					Order No.								
	d	h	L	F	Dmin	Right	Left	Insert	Shim	Shim screw	clamp	clamp screw	spring	key
A25S-TDQNR/L11	25	23	250	17	32	121-03510	121-13510	DN. . 1104. .	D11BQR/L	LYM0508	TP-1	MS0422	YB5512	S3
A32T-TDQNR/L11	32	30	300	22	40	121-03515	121-13515		D1103B					
A25S-TDQNR/L15	25	23	250	17	32	121-03520	121-13520	DN. . 1504. .	D15BQR/L	LYM0610	TP-2	MS0523	YB6512	S3
A32T-TDQNR/L15	32	30	300	22	40	121-03525	121-13525		D1503B					
A40U-TDQNR/L15	40	37	350	27	50	121-03530	121-13530							
A50V-TDQNR/L15	50	47	400	35	63	121-03535	121-13535							

Boring bar index
内孔车刀一览表 **A52~A101**

Inserts & spare parts
刀片及附件 **C1~C20**

Technical data
技术资料 **D1~D21**

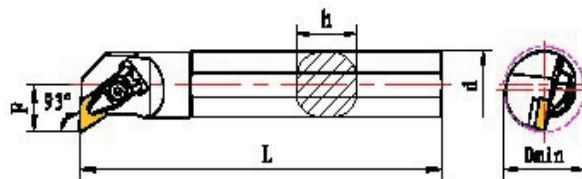
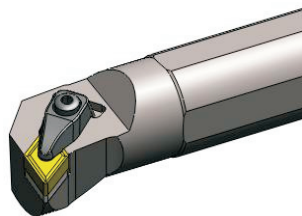
Double clamp style boring bar(T style)

93° 内孔仿形车刀

Clamping & tool style

For boring, profiling

S-TDUNR/L

Right hand shown: S32T-TDUNR15

Left hand: S32T-TDUNL15

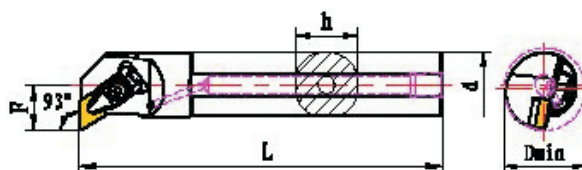
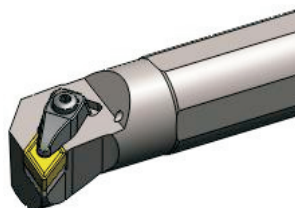
Model	Basic dimensions					Order No.								
	d	h	L	F	Dmin	Right	Left	Insert	Shim	Shim screw	clamp	clamp screw	spring	key
S25S-TDUNR/L11	25	23	250	17	32	111-04210	111-14210	DN. . 1104. .	D11BUR/L	LYM0508	TP-1	MS0422	YB5512	S3
S32T-TDUNR/L11	32	30	300	22	40	111-04215	111-14215		D1103B					
S25S-TDUNR/L15	25	23	250	17	32	111-04220	111-14220	DN. . 1504. .	D15BUR/L	LYM0610	TP-2	MS0523	YB6512	S3
S32T-TDUNR/L15	32	30	300	22	40	111-04225	111-14225		D1503B					
S40U-TDUNR/L15	40	37	350	27	50	111-04230	111-14230							
S50V-TDUNR/L15	50	47	400	35	63	111-04235	111-14235							

93° 内孔仿形车刀（内冷 with coolant hole）

Clamping & tool style

For boring, profiling

A-TDUNR/L

Right hand shown: A32T-TDUNR15

Left hand: A32T-TDUNL15

Model	Basic dimensions					Order No.								
	d	h	L	F	Dmin	Right	Left	Insert	Shim	Shim screw	clamp	clamp screw	spring	key
A25S-TDUNR/L11	25	23	250	17	32	121-04210	121-14210	DN. . 1104. .	D11BUR/L	LYM0508	TP-1	MS0422	YB5512	S3
A32T-TDUNR/L11	32	30	300	22	40	121-04215	121-14215		D1103B					
A25S-TDUNR/L15	25	23	250	17	32	121-04220	121-14220	DN. . 1504. .	D15BUR/L	LYM0610	TP-2	MS0523	YB6512	S3
A32T-TDUNR/L15	32	30	300	22	40	121-04225	121-14225		D1503B					
A40U-TDUNR/L15	40	37	350	27	50	121-04230	121-14230							
A50V-TDUNR/L15	50	47	400	35	63	121-04235	121-14235							

Boring bar index

内孔车刀一览表

A52~A101

Inserts & spare parts

刀片及附件

C1~C20

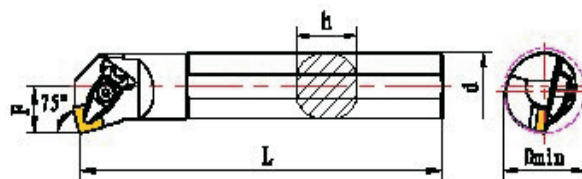
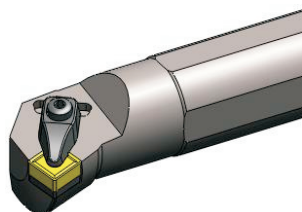
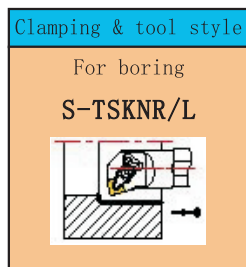
Technical data

技术资料

D1~D21

Double clamp style boring bar(T style)

75° 内孔车刀

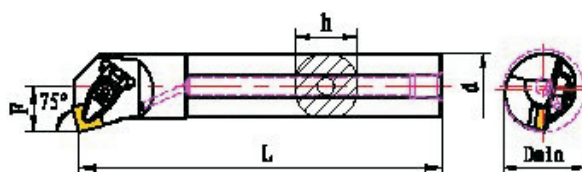
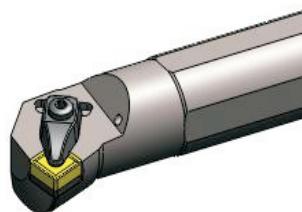
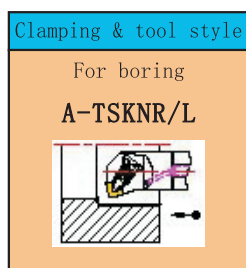


Right hand shown: S32T-TSKNR12

Left hand: S32T-TSKNL12

Model	Basic dimensions					Order No.								
	d	h	L	F	Dmin	Right	Left	Insert	Shim	Shim screw	clamp	clamp screw	spring	key
S20R-TSKNR/L09	20	18	200	13	25	111-02910	111-12910	SN. . 0903. .	—	—	TP-1	MS0418	YB5509	S3
S25S-TSKNR/L09	25	23	250	17	32	111-02915	111-12915		C0903B	LYM0508		MS0422	YB5512	
S25S-TSKNR/L12	25	23	250	17	32	111-02920	111-12920	SN. . 1204. .	S12BKR/L	LYM0610	TP-2	MS0523	YB6512	S3
S32T-TSKNR/L12	32	30	300	22	40	111-02925	111-12925		S1203B					
S40U-TSKNR/L12	40	37	350	27	50	111-02930	111-12930							
S50V-TSKNR/L12	50	47	400	35	63	111-02935	111-12935							

75° 内孔车刀 (内冷 with coolant hole)



Right hand shown: A32T-TSKNR12

Left hand: A32T-TSKNL12

Model	Basic dimensions					Order No.								
	d	h	L	F	Dmin	Right	Left	Insert	Shim	Shim screw	clamp	clamp screw	spring	key
A20R-TSKNR/L09	20	18	200	13	25	121-02910	121-12910	SN. . 0903. .	—	—	TP-1	MS0418	YB5509	S3
A25S-TSKNR/L09	25	23	250	17	32	121-02915	121-12915		C0903B	LYM0508		MS0422	YB5512	
A25S-TSKNR/L12	25	23	250	17	32	121-02920	121-12920	SN. . 1204. .	S12BKR/L	LYM0610	TP-2	MS0523	YB6512	S3
A32T-TSKNR/L12	32	30	300	22	40	121-02925	121-12925		S1203B					
A40U-TSKNR/L12	40	37	350	27	50	121-02930	121-12930							
A50V-TSKNR/L12	50	47	400	35	63	121-02935	121-12935							

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

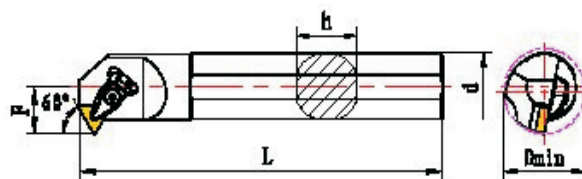
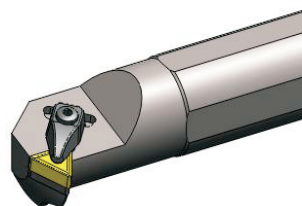
Double clamp style boring bar(T style)

60° 内孔、仿形车刀

Clamping & tool style

For boring, profiling

S-TTENR/L



Right hand shown: S32T-TTENR16

Left hand: S32T-TTENL16

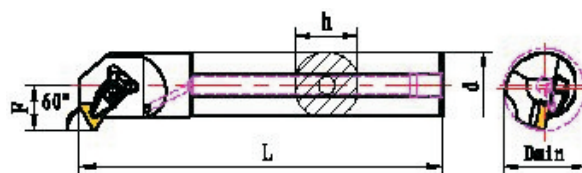
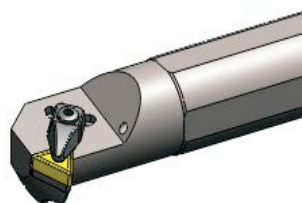
Model	Basic dimensions					Order No.		Insert	Shim	Shim screw	clamp	clamp screw	spring	key
	d	h	L	F	Dmin	Right	Left							
S25S-TTENR/L16	25	23	250	17	32	111-01010	111-11010	TN..1604..	-	-	TP-1	MS0422	YB5512	S3
S32T-TTENR/L16	32	30	300	22	40	111-01015	111-11015		T1603B	LYM0508				
S32T-TTENR/L22	32	30	300	22	40	111-01020	111-11020	TN..2204..	T2203B	LYM0610	TP-2	MS0523	YB6512	S3
S40U-TTENR/L22	40	37	350	27	52	111-01025	111-11025							

60° 内孔、仿形车刀（内冷with coolant hole）

Clamping & tool style

For boring, profiling

A-TTENR/L



Right hand shown: A32T-TTENR16

Left hand: A32T-TTENL16

Model	Basic dimensions					Order No.		Insert	Shim	Shim screw	clamp	clamp screw	spring	key
	d	h	L	F	Dmin	Right	Left							
A25S-TTENR/L16	25	23	250	17	32	121-01010	121-11010	TN..1604..	-	-	TP-1	MS0422	YB5512	S3
A32T-TTENR/L16	32	30	300	22	40	121-01015	121-11015		T1603B	LYM0508				
A32T-TTENR/L22	32	30	300	22	40	121-01020	121-11020	TN..2204..	T2203B	LYM0610	TP-2	MS0523	YB6512	S3
A40U-TTENR/L22	40	37	350	27	52	121-01025	121-11025							

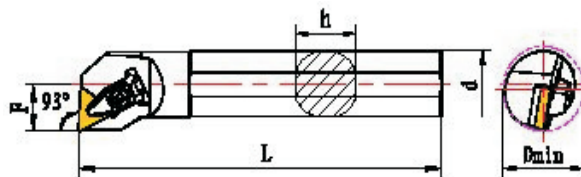
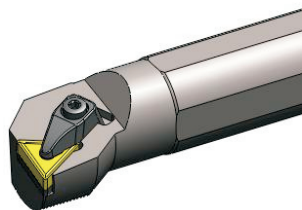
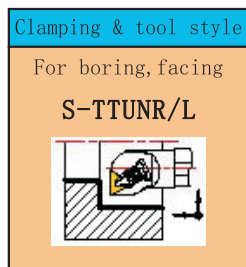
Boring bar index
内孔车刀一览表 **A52~A101**

Inserts & spare parts
刀片及附件 **C1~C20**

Technical data
技术资料 **D1~D21**

Double clamp style boring bar(T style)

93° 内孔车刀

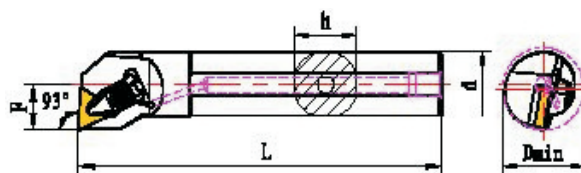
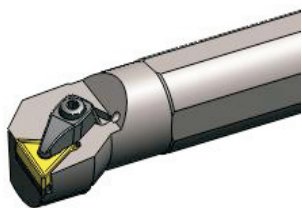
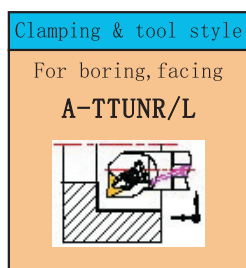


Right hand shown: S32T-TTUNR22

Left hand: S32T-TTUNL22

Model	Basic dimensions					Order No.		Insert	Shim	Shim screw	clamp	clamp screw	spring	key
	d	h	L	F	Dmin	Right	Left							
S25S-TTUNR/L16	25	23	250	17	32	111-04310	111-14310	TN. . 1604. .	T16BUR/L T1603B	LYM0508	TP-1	MS0422	YB5512	S3
S32T-TTUNR/L16	32	30	300	22	40	111-04315	111-14315							
S25S-TTUNR/L22	25	23	250	17	32	111-04320	111-14320	TN. . 2204. .	T22BUR/L T2203B	LYM0610	TP-2	MS0523	YB6512	S3
S32T-TTUNR/L22	32	30	300	22	40	111-04325	111-14325							
S40U-TTUNR/L22	40	37	350	27	50	111-04330	111-14330							
S50V-TTUNR/L22	50	47	400	35	63	111-04335	111-14335							

93° 内孔车刀 (内冷with coolant hole)



Right hand shown: A32T-TTUNR22

Left hand: A32T-TTUNL22

Model	Basic dimensions					Order No.		Insert	Shim	Shim screw	clamp	clamp screw	spring	key
	d	h	L	F	Dmin	Right	Left							
A25S-TTUNR/L16	25	23	250	17	32	121-04310	121-14310	TN. . 1604. .	T16BUR/L T1603B	LYM0508	TP-1	MS0422	YB5512	S3
A32T-TTUNR/L16	32	30	300	22	40	121-04315	121-14315							
A25S-TTUNR/L22	25	23	250	17	32	121-04320	121-14320	TN. . 2204. .	T22BUR/L T2203B	LYM0610	TP-2	MS0523	YB6512	S3
A32T-TTUNR/L22	32	30	300	22	40	121-04325	121-14325							
A40U-TTUNR/L22	40	37	350	27	50	121-04330	121-14330							
A50V-TTUNR/L22	50	47	400	35	63	121-04335	121-14335							

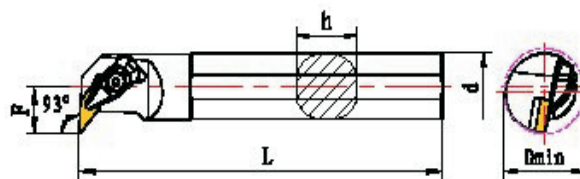
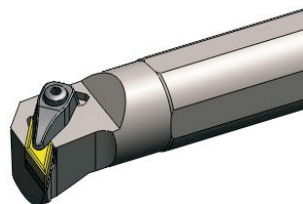
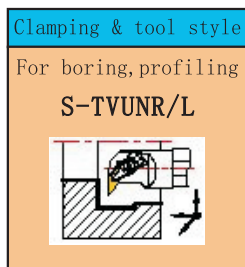
Boring bar index
内孔车刀一览表 **A52~A101**

Inserts & spare parts
刀片及附件 **C1~C20**

Technical data
技术资料 **D1~D21**

Double clamp style boring bar(T style)

93° 内孔仿形车刀

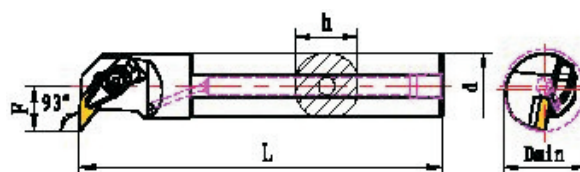
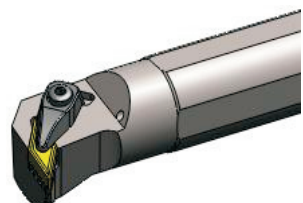
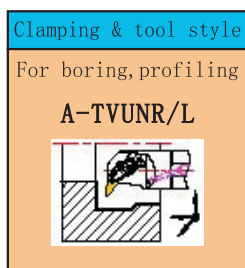


Right hand shown: S32T-TVUNR16

Left hand: S32T-TVUNL16

Model	Basic dimensions					Order No.		Insert	Shim	Shim screw	clamp	clamp screw	spring	key
	d	h	L	F	Dmin	Right	Left							
S25S-TVUNR/L16-E	25	23	250	19	34	111-04410	111-14410	VN.. 1604..	V16BUR/L	LYM0508	TP-1	MS0422	YB5512	S3
S32T-TVUNR/L16	32	30	300	22	40	111-04415	111-14415		V1603B		TP-3			
S40U-TVUNR/L16	40	37	350	27	50	111-04420	111-14420							

93° 内孔仿形车刀 (内冷 with coolant hole)



Right hand shown: A32T-TVUNR16

Left hand: A32T-TVUNL16

Model	Basic dimensions					Order No.		Insert	Shim	Shim screw	clamp	clamp screw	spring	key
	d	h	L	F	Dmin	Right	Left							
A25S-TVUNR/L16-E	25	23	250	19	34	121-04410	121-14410	VN.. 1604..	V16BUR/L	LYM0508	TP-1	MS0422	YB5512	S3
A32T-TVUNR/L16	32	30	300	22	40	121-04415	121-14415		V1603B		TP-3			
A40U-TVUNR/L16	40	37	350	27	50	121-04420	121-14420							

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

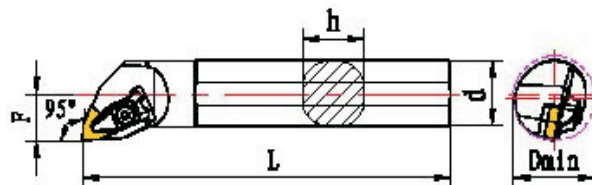
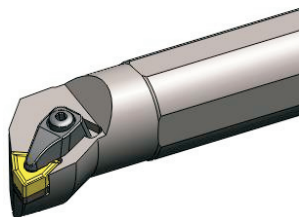
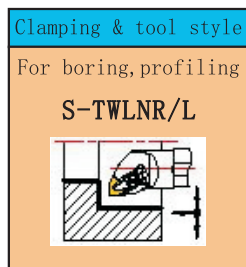
C1~C20

Technical data
技术资料

D1~D21

Double clamp style boring bar(T style)

95° 内孔、端面车刀

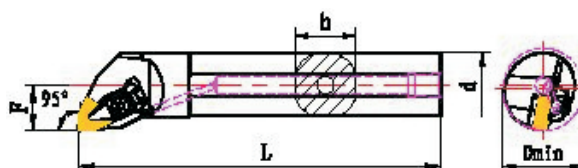
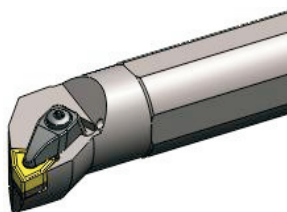
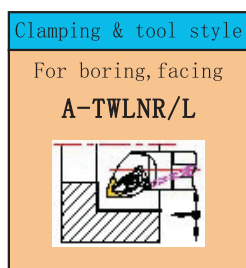


Right hand shown: S32T-TWLNRO8

Left hand: S32T-TWLNRO8

Model	Basic dimensions					Order No.								
	d	h	L	F	Dmin	Right	Left	Insert	Shim	Shim screw	clamp	clamp screw	spring	key
S25S-TWLNRL06	25	23	250	17	32	111-03210	111-13210	WN..0604..	W06BLR/L	LYM0508	TP-1	MS0422	YB5512	S3
S32T-TWLNRL06	32	30	300	22	40	111-03215	111-13215		W0603B					
S25S-TWLNRL08	25	23	250	17	32	111-03220	111-13220	WN..0804..	W08BLR/L	LYM0610	TP-2	MS0523	YB6512	S3
S32T-TWLNRL08	32	30	300	22	40	111-03225	111-13225		W0803B					
S40U-TWLNRL08	40	37	350	27	50	111-03230	111-13230							
S50V-TWLNRL08	50	47	400	35	63	111-03235	111-13235							

95° 内孔、端面车刀（内冷 with coolant hole）



Right hand shown: A32T-TWLNRO8

Left hand: A32T-TWLNRO8

Model	Basic dimensions					Order No.								
	d	h	L	F	Dmin	Right	Left	Insert	Shim	Shim screw	clamp	clamp screw	spring	key
A25S-TWLNRL06	25	23	250	17	32	121-03210	121-13210	WN..0604..	W06BLR/L	LYM0508	TP-1	MS0422	YB5512	S3
A32T-TWLNRL06	32	30	300	22	40	121-03215	121-13215		W0603B					
A25S-TWLNRL08	25	23	250	17	32	121-03220	121-13220	WN..0804..	W08BLR/L	LYM0610	TP-2	MS0523	YB6512	S3
A32T-TWLNRL08	32	30	300	22	40	121-03225	121-13225		W0803B					
A40U-TWLNRL08	40	37	350	27	50	121-03230	121-13230							
A50V-TWLNRL08	50	47	400	35	63	121-03235	121-13235							

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

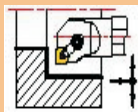
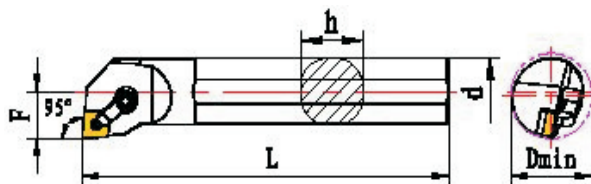
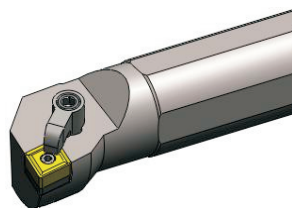
Top and hole clamping style boring bar(M style)

95° 内孔、端面车刀

Clamping & tool style

For boring, facing

S-MCLNR/L

Right hand shown: S32T-MCLNR12

Left hand: S32T-MCLNL12

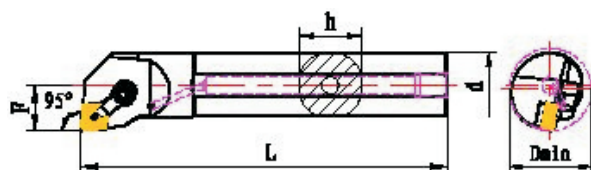
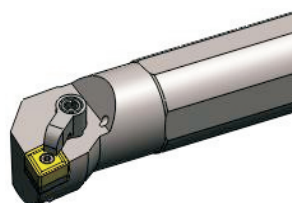
Model	Basic dimensions					Order No.							
	d	h	L	F	Dmin	Right	Left	Insert	Shim	Lock pin	Clamp	Clamp screw	key
S20R-MCLNR/L09	20	18	200	13	25	112-03010	112-13010	CN. . 0903. .	—	NL-0410	CL-6	XNS-0520	S2 S2.5
S25S-MCLNR/L09	25	23	250	17	32	112-03015	112-13015		C0903B	NL-0412			
S25S-MCLNR/L12	25	23	250	17	32	112-03020	112-13020	CN. . 1204. .	—	NL-0611	CL-6	XNS-0520	S2.5
S32T-MCLNR/L12	32	30	300	22	40	112-03025	112-13025		C1203B	NL-0617			
S40U-MCLNR/L12	40	37	350	27	50	112-03030	112-13030						
S50V-MCLNR/L12	50	47	400	35	63	112-03035	112-13035	CN. . 1606. .	C1604B	NL-0822	CL-12	XNS-0829	S3 S4
S40U-MCLNR/L16	40	37	350	27	50	112-03040	112-13040						
S50V-MCLNR/L16	50	47	400	35	63	112-03045	112-13045						

95° 内孔、端面车刀（内冷 with coolant hole）

Clamping & tool style

For boring, facing

A-MCLNR/L

Right hand shown: A32T-MCLNR12

Left hand: A32T-MCLNL12

Model	Basic dimensions					Order No.							
	d	h	L	F	Dmin	Right	Left	Insert	Shim	Lock pin	Clamp	Clamp screw	key
A20R-MCLNR/L09	20	18	200	13	25	122-03010	122-13010	CN. . 0903. .	—	NL-0410	CL-6	XNS-0520	S2 S2.5
A25S-MCLNR/L09	25	23	250	17	32	122-03015	122-13015		C0903B	NL-0412			
A25S-MCLNR/L12	25	23	250	17	32	122-03020	122-13020	CN. . 1204. .	—	NL-0611	CL-6	XNS-0520	S2.5
A32T-MCLNR/L12	32	30	300	22	40	122-03025	122-13025		C1203B	NL-0617			
A40U-MCLNR/L12	40	37	350	27	50	122-03030	122-13030						
A50V-MCLNR/L12	50	47	400	35	63	122-03035	122-13035	CN. . 1606. .	C1604B	NL-0822	CL-12	XNS-0829	S3 S4
A40U-MCLNR/L16	40	37	350	27	50	122-03040	122-13040						
A50V-MCLNR/L16	50	47	400	35	63	122-03045	122-13045						

Boring bar index

内孔车刀一览表

A52~A101

Inserts & spare parts

刀片及附件

C1~C20

Technical data

技术资料

D1~D21

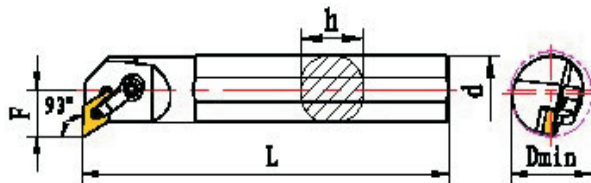
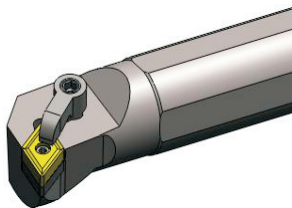
Top and hole clamping style boring bar(M style)

93° 内孔仿形车刀

Clamping & tool style

For boring, profiling

S-MDUNR/L

Right hand shown: S32T-MDUNR15

Left hand: S32T-MDUNL15

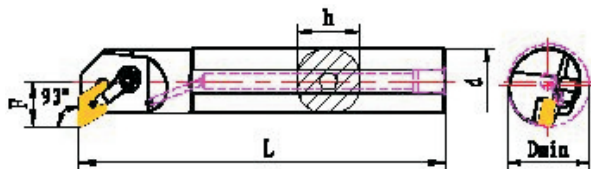
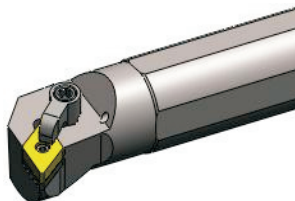
Model	Basic dimensions					Order No.							
	d	h	L	F	Dmin	Right	Left	Insert	Shim	Lock pin	Clamp	Clamp screw	key
S20R-MDUNR/L11	20	18	200	13	25	112-04210	112-14210	DN. . 1104. .	—	NL-0410	CL-6	XNS-0520	S2 S2. 5
S25S-MDUNR/L11	25	23	250	17	32	112-04215	112-14215		D11BUR/L	NL-0414	CL-20	XNS-0620	S2 S3
S25S-MDUNR/L15	25	23	250	17	32	112-04220	112-14220	DN. . 1504. .	D15BUR/L	NL-0617			CL-12
S32T-MDUNR/L15	32	30	300	22	40	112-04225	112-14225		D1503B		CL-12	XNS-0829	
S40U-MDUNR/L15	40	37	350	27	50	112-04230	112-14230						
S50V-MDUNR/L15	50	47	400	35	63	112-04235	112-14235						

93° 内孔仿形车刀（内冷with coolant hole）

Clamping & tool style

For boring, profiling

A-MDUNR/L

Right hand shown: A32T-MDUNR15

Left hand: A32T-MDUNL15

Model	Basic dimensions					Order No.							
	d	h	L	F	Dmin	Right	Left	Insert	Shim	Lock pin	Clamp	Clamp screw	key
A20R-MDUNR/L11	20	18	200	13	25	122-04210	122-14210	DN. . 1104. .	-	NL-0410	CL-6	XNS-0520	S2 S2.5
A25S-MDUNR/L11	25	23	250	17	32	122-04215	122-14215		D11BUR/L	NL-0414	CL-20	XNS-0620	S2 S3
A25S-MDUNR/L15	25	23	250	17	32	122-04220	122-14220	DN. . 1504. .	D15BUR/L	NL-0617			CL-12
A32T-MDUNR/L15	32	30	300	22	40	122-04225	122-14225		D1503B		CL-12	XNS-0829	
A40U-MDUNR/L15	40	37	350	27	50	122-04230	122-14230						
A50V-MDUNR/L15	50	47	400	35	63	122-04235	122-14235						

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

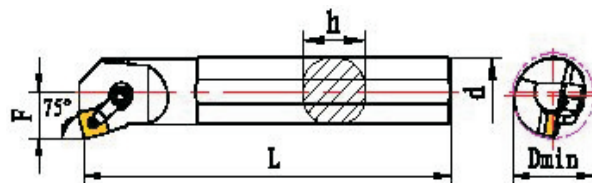
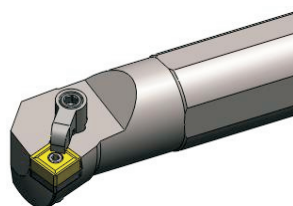
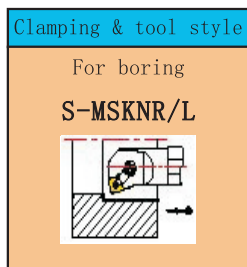
C1~C20

Technical data
技术资料

D1~D21

Top and hole clamping style boring bar(M style)

75° 内孔车刀

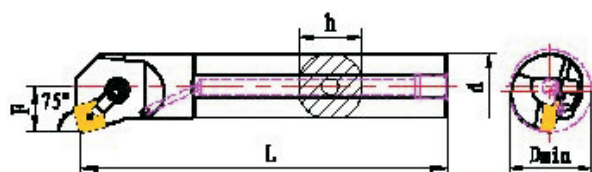
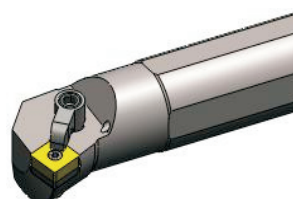
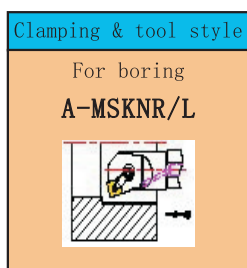


Right hand shown: S32T-MSKNR12

Left hand: S32T-MSKNL12

Model	Basic dimensions					Order No.		Insert	Shim	Lock pin	Clamp	Clamp screw	key
	d	h	L	F	Dmin	Right	Left						
S25S-MSKNR/L12	25	23	250	17	32	112-02910	112-12910	SN. . 1204..	—	NL-0611	CL-20	XNS-0620	S2.5 S3
S32T-MSKNR/L12	32	30	300	22	40	112-02915	112-12915		S1203B	NL-0617	CL-12	XNS-0829	S3 S4
S40U-MSKNR/L12	40	37	350	27	50	112-02920	112-12920						
S50V-MSKNR/L12	50	47	400	35	63	112-02925	112-12925	SN. . 1506..	S1504B	NL-0822	CL-12	XNS-0829	S3 S4
S40U-MSKNR/L15	40	37	350	27	50	112-02930	112-12930						
S50V-MSKNR/L15	50	47	400	35	63	112-02935	112-12935						

75° 内孔车刀 (内冷 with coolant hole)



Right hand shown: A32T-MSKNR12

Left hand: A32T-MSKNL12

Model	Basic dimensions					Order No.		Insert	Shim	Lock pin	Clamp	Clamp screw	key
	d	h	L	F	Dmin	Right	Left						
A25S-MSKNR/L12	25	23	250	17	32	122-02910	122-12910	SN. . 1204..	—	NL-0611	CL-20	XNS-0620	S2.5 S3
A32T-MSKNR/L12	32	30	300	22	40	122-02915	122-12915		S1203B	NL-0617	CL-12	XNS-0829	S3 S4
A40U-MSKNR/L12	40	37	350	27	50	122-02920	122-12920						
A50V-MSKNR/L12	50	47	400	35	63	122-02925	122-12925	SN. . 1506..	S1504B	NL-0822	CL-12	XNS-0829	S3 S4
A40U-MSKNR/L15	40	37	350	27	50	122-02930	122-12930						
A50V-MSKNR/L15	50	47	400	35	63	122-02935	122-12935						

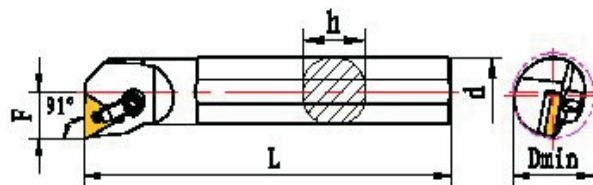
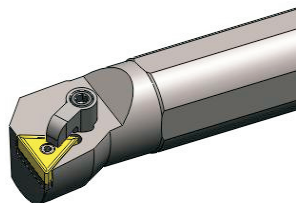
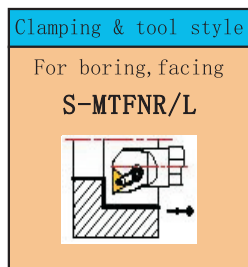
Boring bar index
内孔车刀一览表 **A52~A101**

Inserts & spare parts
刀片及附件 **C1~C20**

Technical data
技术资料 **D1~D21**

Top and hole clamping style boring bar(M style)

90° 内孔车刀

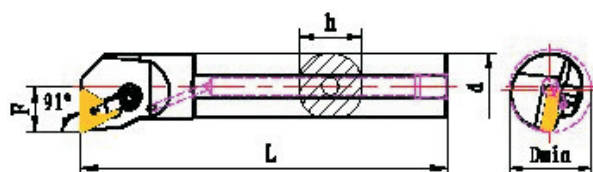
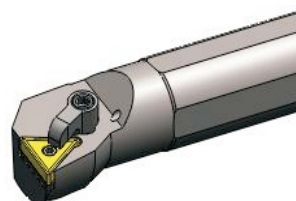
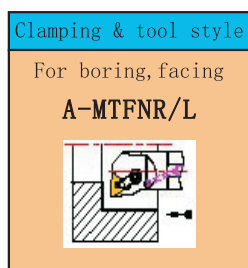


Right hand shown: S32T-MTFNR22

Left hand: S32T-MTFNL22

Model	Basic dimensions					Order No.							
	d	h	L	F	Dmin	Right	Left	Insert	Shim	Lock pin	Clamp	Clamp screw	key
S20R-MTFNR/L16	20	18	200	13	25	112-01310	112-11310	TN. . 1604. .	—	NL-0410	CL-6	XNS-0520	S2 S2.5
S25S-MTFNR/L16	25	23	250	17	32	112-01315	112-11315						
S32T-MTFNR/L16	32	30	300	22	40	112-01320	112-11320						
S40U-MTFNR/L16	40	37	350	27	50	112-01325	112-11325						
S32T-MTFNR/L22	32	30	300	22	40	112-01330	112-11330	TN. . 2204. .	T2203B	NL-0617	CL-12	XNS-0829	S2.5 S4
S40U-MTFNR/L22	40	37	350	27	50	112-01335	112-11335						
S50V-MTFNR/L22	50	47	400	35	63	112-01340	112-11340						

90° 内孔车刀 (内冷 with coolant style)



Right hand shown: A32T-MTFNR22

Left hand: A32T-MTFNL22

Model	Basic dimensions					Order No.							
	d	h	L	F	Dmin	Right	Left	Insert	Shim	Lock pin	Clamp	Clamp screw	key
A20R-MTFNR/L16	20	18	200	13	25	122-01310	122-11310	TN. . 1604. .	—	NL-0410	CL-6	XNS-0520	S2 S2.5
A25S-MTFNR/L16	25	23	250	17	32	122-01315	122-11315						
A32T-MTFNR/L16	32	30	300	22	40	122-01320	122-11320		T1603B	NL-0414			
A40U-MTFNR/L16	40	37	350	27	50	122-01325	122-11325						
A32T-MTFNR/L22	32	30	300	22	40	122-01330	122-11330	TN. . 2204. .	T2203B	NL-0617	CL-12	XNS-0829	S2.5 S4
A40U-MTFNR/L22	40	37	350	27	50	122-01335	122-11335						
A50V-MTFNR/L22	50	47	400	35	63	122-01340	122-11340						

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

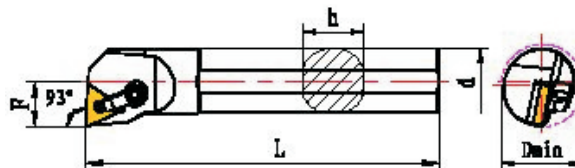
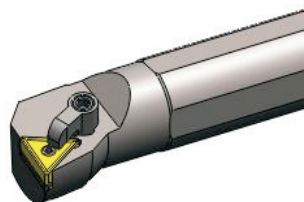
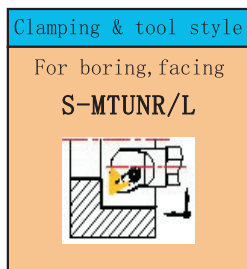
C1~C20

Technical data
技术资料

D1~D21

Top and hole clamping style boring bar(M style)

93° 内孔车刀

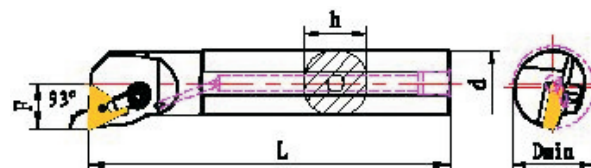
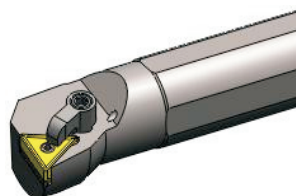
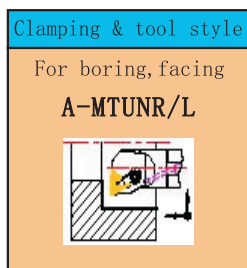


Right hand shown: S32T-MTUNR22

Left hand: S32T-MTUNL22

Model	Basic dimensions					Order No.		Insert	Shim	Lock pin	Clamp	Clamp screw	key
	d	h	L	F	Dmin	Right	Left						
S20R-MTUNR/L16	20	18	200	13	25	112-04310	112-14310	TN. . 1604..	-	NL-0410	CL-6	XNS-0520	S2 S2. 5
S25S-MTUNR/L16	25	23	250	17	32	112-04315	112-14315						
S32T-MTUNR/L16	32	30	300	22	40	112-04320	112-14320						
S40U-MTUNR/L16	40	37	350	27	50	112-04325	112-14325						
S32T-MTUNR/L22	32	30	300	22	40	112-04330	112-14330	TN. . 2204..	T1603B	NL-0414	CL-6	XNS-0520	S2 S2. 5
S40U-MTUNR/L22	40	37	350	27	50	112-04335	112-14335						
S50V-MTUNR/L22	50	47	400	35	63	112-04340	112-14340						

93° 内孔车刀（内冷）



Right hand shown: A32T-MTUNR22

Left hand: A32T-MTUNL22

Model	Basic dimensions					Order No.		Insert	Shim	Lock pin	Clamp	Clamp screw	key
	d	h	L	F	Dmin	Right	Left						
A20R-MTUNR/L16	20	18	200	13	25	122-04310	122-14310	TN. . 1604..	-	NL-0410	CL-6	XNS-0520	S2 S2. 5
A25S-MTUNR/L16	25	23	250	17	32	122-04315	122-14315						
A32T-MTUNR/L16	32	30	300	22	40	122-04320	122-14320						
A40U-MTUNR/L16	40	37	350	27	50	122-04325	122-14325						
A32T-MTUNR/L22	32	30	300	22	40	122-04330	122-14330	TN. . 2204..	T1603B	NL-0414	CL-6	XNS-0520	S2 S2. 5
A40U-MTUNR/L22	40	37	350	27	50	122-04335	122-14335						
A50V-MTUNR/L22	50	47	400	35	63	122-04340	122-14340						

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

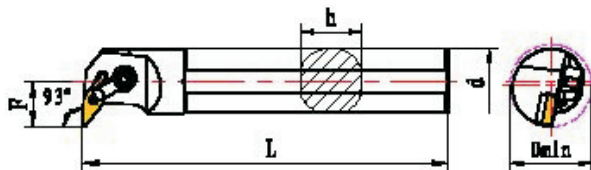
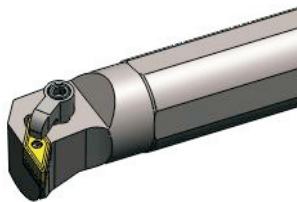
Top and hole clamping style boring bar(M style)

93° 内孔仿形车刀

Clamping & tool style

For boring, profiling

S-MVUNR/L

Right hand shown: S32T-MVUNR16

Left hand: S32T-MVUNL16

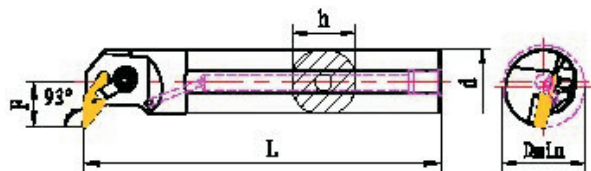
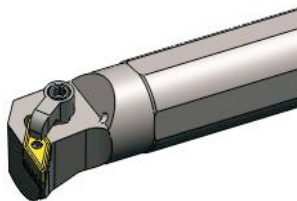
Model	Basic dimensions					Order No.		Insert	Shim	Lock pin	Clamp	Clamp screw	key
	d	h	L	F	Dmin	Right	Left						
S25S-MVUNR/L16-E	25	23	250	19	34	112-04410	112-14410	VN. . 1604. .	-	NL-0410	CL-20	XNS-0620	S2 S3
S32T-MVUNR/L16	32	30	300	22	40	112-04415	112-14415				CL-12	XNS-0829	S2 S4
S40U-MVUNR/L16	40	37	350	27	50	112-04420	112-14420						

93° 内孔仿形车刀（内冷 with coolant hole）

Clamping & tool style

For boring, profiling

A-MVUNR/L

Right hand shown: A32T-MVUNR16

Left hand: A32T-MVUNL16

Model	Basic dimensions					Order No.		Insert	Shim	Lock pin	Clamp	Clamp screw	key
	d	h	L	F	Dmin	Right	Left						
A25S-MVUNR/L16-E	25	23	250	19	34	122-04410	122-14410	VN. . 1604. .	-	NL-0410	CL-20	XNS-0620	S2 S3
A32T-MVUNR/L16	32	30	300	22	40	122-04415	122-14415				CL-12	XNS-0829	S2 S4
A40U-MVUNR/L16	40	37	350	27	50	122-04420	122-14420						

Boring bar index

内孔车刀一览表

A52～A101

Inserts & spare parts

刀片及附件

C1～C20

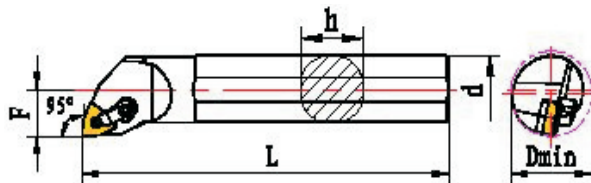
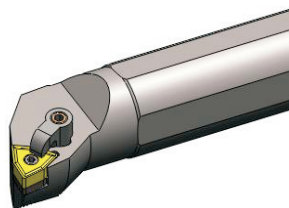
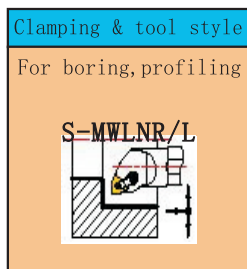
Technical data

技术资料

D1～D21

Top and hole clamping style boring bar(M style)

95° 内孔、端面车刀

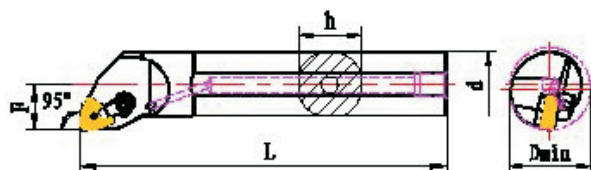
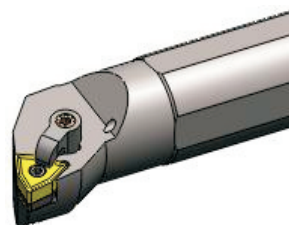
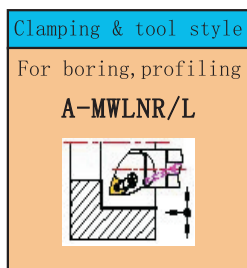


Right hand shown: S32T-MWLN08

Left hand: S32T-MWLN08

Model	Basic dimensions					Order No.		Insert	Shim	Lock pin	Clamp	Clamp screw	key
	d	h	L	F	Dmin	Right	Left						
S20R-MWLN/L06	20	18	200	13	25	112-03210	112-13210	WN. .0604..	-	NL-0410	CL-6	XNS-0520	S2 S2.5
S25S-MWLN/L06	25	23	250	17	32	112-03210	112-13210			NL-0611			
S25S-MWLN/L08	25	23	250	17	32	112-03215	112-13215	WN. .0804..	W0803B	NL-0617	CL-20	XNS-0620	S2.5 S3
S32T-MWLN/L08	32	30	300	22	40	112-03220	112-13220						
S40U-MWLN/L08	40	37	350	27	50	112-03225	112-13225						
S50V-MWLN/L08	50	47	400	35	63	112-03230	112-13230						

95° 内孔、端面车刀（内冷 with coolant hole）



Right hand shown: A32T-MWLN08

Left hand: A32T-MWLN08

Model	Basic dimensions					Order No.		Insert	Shim	Lock pin	Clamp	Clamp screw	key
	d	h	L	F	Dmin	Right	Left						
A20R-MWLN/L06	20	18	200	13	25	122-03210	122-13210	WN. .0604..	-	NL-0410	CL-6	XNS-0520	S2 S2.5
A25S-MWLN/L06	25	23	250	17	32	122-03210	122-13210			NL-0611			
A25S-MWLN/L08	25	23	250	17	32	122-03215	122-13215	WN. .0804..	W0803B	NL-0617	CL-20	XNS-0620	S2.5 S3
A32T-MWLN/L08	32	30	300	22	40	122-03220	122-13220						
A40U-MWLN/L08	40	37	350	27	50	122-03225	122-13225						
A50V-MWLN/L08	50	47	400	35	63	122-03230	122-13230						

Boring bar index

内孔车刀一览表

A52~A101

Inserts & spare parts

刀片及附件

C1~C20

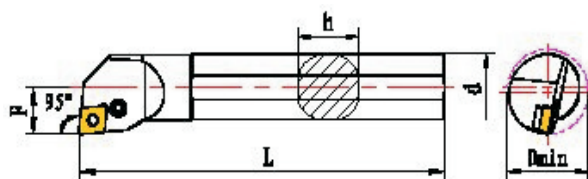
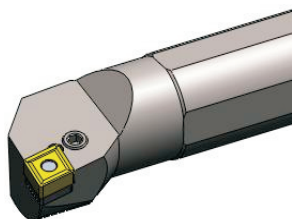
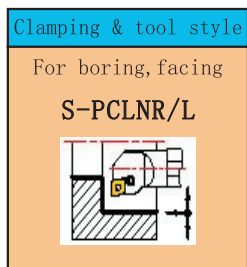
Technical data

技术资料

D1~D21

Lever lock style boring bar(P style)

95° 内孔、端面车刀

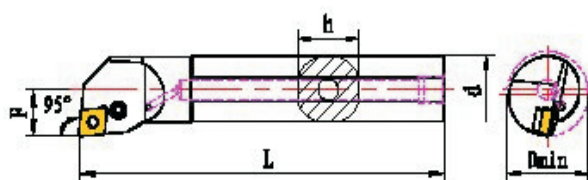
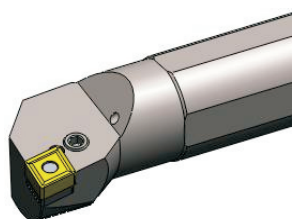
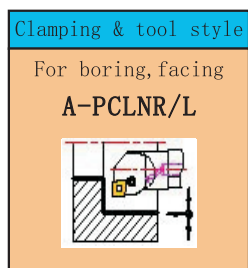


Right hand shown: S32T-PCLNR12

Left hand: S32T-PCLNL12

Model	Basic dimensions					Order No.									
	d	h	L	F	Dmin	Right	Left	Insert	Shim	shim pin	lever	screw	key		
S16Q-PCLNR/L09	16	15	180	11	20	113-03010	113-13010	CN. . 0903. .	-	-	NG0310C	GL0611	S3		
S20R-PCLNR/L09	20	18	200	13	25	113-03015	113-13015				NG0310B	GL0613			
S25S-PCLNR/L12	25	23	250	17	32	113-03020	113-13020	CN. . 1204. .	-	-	NG0514	NGL0817	S4		
S32T-PCLNR/L12	32	30	300	22	40	113-03025	113-13025				C12A	GH0607		G0514	GL0822
S40U-PCLNR/L12	40	37	350	27	50	113-03030	113-13030								
S50V-PCLNR/L12	50	47	400	35	63	113-03035	113-13035	CN. . 1606. .	C16A	GH0709	G0616	GL0826	S4		
S40U-PCLNR/L16	40	37	350	27	50	113-03040	113-13040								
S50V-PCLNR/L16	50	47	400	35	63	113-03045	113-13045								

95° 内孔、端面车刀 (内冷 with coolant hole)



Right hand shown: A32T-PCLNR12

Left hand: A32T-PCLNL12

Model	Basic dimensions					Order No.									
	d	h	L	F	Dmin	Right	Left	Insert	Shim	shim pin	lever	screw	key		
A16Q-PCLNR/L09	16	15	180	11	20	123-03010	123-13010	CN. . 0903. .	-	-	NG0310C	GL0611	S3		
A20R-PCLNR/L09	20	18	200	13	25	123-03015	123-13015				NG0310B	GL0613			
A25S-PCLNR/L12	25	23	250	17	32	123-03020	123-13020	CN. . 1204. .	-	-	NG0514	NGL0817	S4		
A32T-PCLNR/L12	32	30	300	22	40	123-03025	123-13025				C12A	GH0607		G0514	GL0822
A40U-PCLNR/L12	40	37	350	27	50	123-03030	123-13030								
A50V-PCLNR/L12	50	47	400	35	63	123-03035	123-13035	CN. . 1606. .	C16A	GH0709	G0616	GL0826	S4		
A40U-PCLNR/L16	40	37	350	27	50	123-03040	123-13040								
A50V-PCLNR/L16	50	47	400	35	63	123-03045	123-13045								

Boring bar index

内孔车刀一览表

A52~A101

Inserts & spare parts

刀片及附件

C1~C20

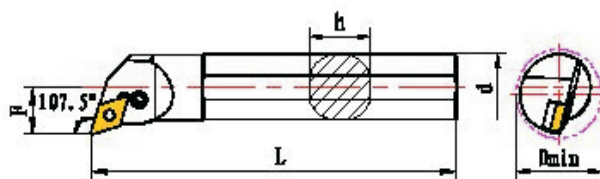
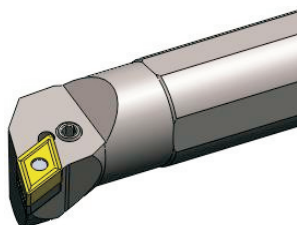
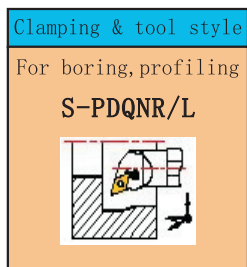
Technical data

技术资料

D1~D21

Lever lock style boring bar(P style)

107.5° 内孔仿形车刀

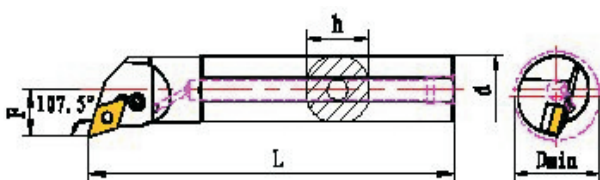
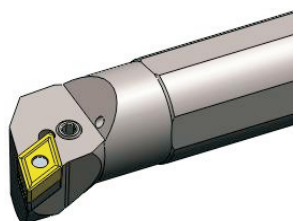
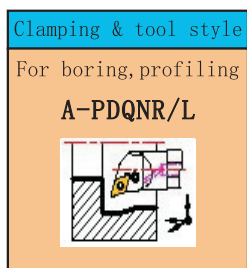


Right hand shown: S32T-PDQNR15

Left hand: S32T-PDQNL15

Model	Basic dimensions					Order No.		Insert	Shim	shim pin	lever	screw	key
	d	h	L	F	Dmin	Right	Left						
S20R-PDQNR/L11	20	18	200	13	25	113-03510	113-13510	DN. . 1104. .	-	-	G0310B	GL0613	S3
S25S-PDQNR/L11	25	23	250	17	32	113-03515	113-13515		D11A	GH0405	G0314	GL0617	
S25S-PDQNR/L15	25	23	250	17	32	113-03520	113-13520	DN. . 1504. .	D1503A	GH0607	G0514	GL0817	S4
S32T-PDQNR/L15	32	30	300	22	40	113-03525	113-13525				G0517	GL0822	
S40U-PDQNR/L15	40	37	350	27	50	113-03530	113-13530					GL0826	
S50V-PDQNR/L15	50	47	400	35	63	113-03535	113-13535						

107.5° 内孔仿形车刀 (内冷 with coolant hole)



Right hand shown: A32T-PDQNR15

Left hand: A32T-PDQNL15

Model	Basic dimensions					Order No.		Insert	Shim	shim pin	lever	screw	key
	d	h	L	F	Dmin	Right	Left						
A20R-PDQNR/L11	20	18	200	13	25	123-03510	123-13510	DN. . 1104. .	-	-	G0310B	GL0613	S3
A25S-PDQNR/L11	25	23	250	17	32	123-03515	123-13515		D11A	GH0405	G0314	GL0617	
A25S-PDQNR/L15	25	23	250	17	32	123-03520	123-13520	DN. . 1504. .	D1503A	GH0607	G0514	GL0817	S4
A32T-PDQNR/L15	32	30	300	22	40	123-03525	123-13525				G0517	GL0822	
A40U-PDQNR/L15	40	37	350	27	50	123-03530	123-13530					GL0826	
A50V-PDQNR/L15	50	47	400	35	63	123-03535	123-13535						

Boring bar index

内孔车刀一览表

A52~A101

Inserts & spare parts

刀片及附件

C1~C20

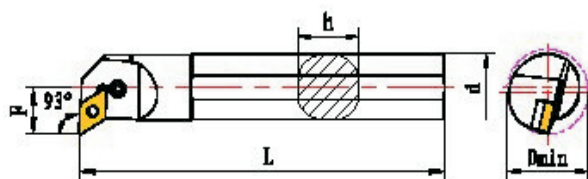
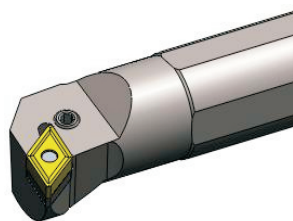
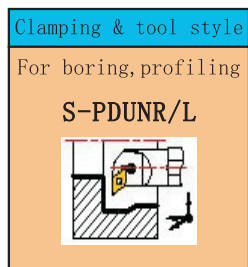
Technical data

技术资料

D1~D21

Lever lock style boring bar(P style)

93° 内孔仿形车刀

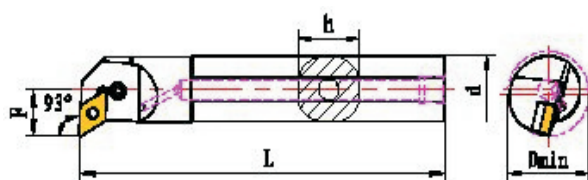
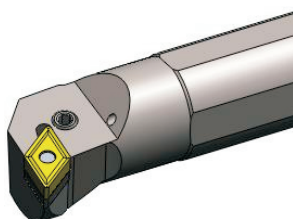
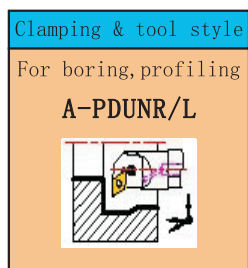


Right hand shown: S32T-PDUNR15

Left hand: S32T-PDUNL15

Model	Basic dimensions					Order No.		Insert	Shim	shim pin	lever	screw	key
	d	h	L	F	Dmin	Right	Left						
S20R-PDUNR/L11	20	18	200	13	25	113-04210	113-14210	DN. . 1104. .	-	-	G0310B	GL0613	S3
S25S-PDUNR/L11	25	23	250	17	32	113-04215	113-14215		D11A	GH0405	G0314	GL0617	
S25S-PDUNR/L15	25	23	250	17	32	113-04220	113-14220	DN. . 1504. .	D1503A	GH0607	G0514	GL0817	S4
S32T-PDUNR/L15	32	30	300	22	40	113-04225	113-14225				G0517	GL0822	
S40U-PDUNR/L15	40	37	350	27	50	113-04230	113-14230					GL0826	
S50V-PDUNR/L15	50	47	400	35	63	113-04235	113-14235						

93° 内孔仿形车刀 (内冷 with coolant hole)



Right hand shown: A32T-PDUNR15

Left hand: A32T-PDUNL15

Model	Basic dimensions					Order No.		Insert	Shim	shim pin	lever	screw	key
	d	h	L	F	Dmin	Right	Left						
A20R-PDUNR/L11	20	18	200	13	25	123-04210	123-14210	DN. . 1104. .	-	-	G0310B	GL0613	S3
A25S-PDUNR/L11	25	23	250	17	32	123-04215	123-14215		D11A	GH0405	G0314	GL0617	
A25S-PDUNR/L15	25	23	250	17	32	123-04220	123-14220	DN. . 1504. .	D1503A	GH0607	G0514	GL0817	S4
A32T-PDUNR/L15	32	30	300	22	40	123-04225	123-14225				G0517	GL0822	
A40U-PDUNR/L15	40	37	350	27	50	123-04230	123-14230					GL0826	
A50V-PDUNR/L15	50	47	400	35	63	123-04235	123-14235						

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

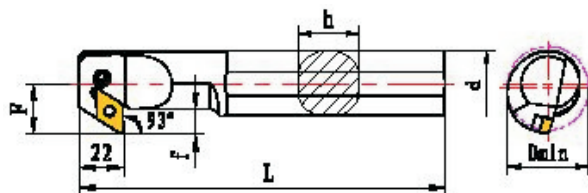
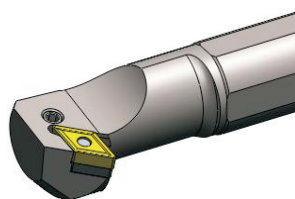
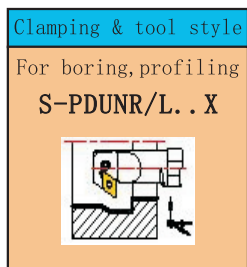
C1~C20

Technical data
技术资料

D1~D21

Lever lock style boring bar(P style)

93° 内孔背镗车刀

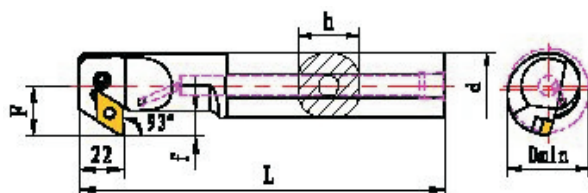
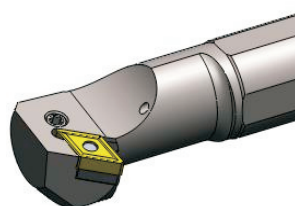
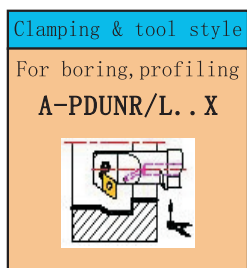


Right hand shown: S32T-PDUNR15-EX

Left hand: S32T-PDUNL15-EX

Model	Basic dimensions					Order No.		Insert	Shim	shim pin	lever	screw	key
	d	L	F	f	Dmin	Right	Left						
S32T-PDUNR/L15-EX	32	300	24	12	42	113-05010	113-15010	DN..1504..	D1503A	GH0607	G0514	GL0822	S4
S40U-PDUNR/L15-X	40	350	27	14	50	113-05015	113-15015				G0517	GL0826	
S50V-PDUNR/L15-X	50	400	35	16	63	113-05020	113-15020						

93° 内孔背镗车刀 (内冷 with coolant hole)



Right hand shown: A32T-PDUNR15-EX

Left hand: A32T-PDUNL15-EX

Model	Basic dimensions					Order No.		Insert	Shim	shim pin	lever	screw	key
	d	L	F	f	Dmin	Right	Left						
A32T-PDUNR/L15-EX	32	300	24	12	42	123-05010	123-15010	DN..1504..	D1503A	GH0607	G0514	GL0822	S4
A40U-PDUNR/L15-X	40	350	27	14	50	123-05015	123-15015				G0517	GL0826	
A50V-PDUNR/L15-X	50	400	35	16	63	123-05020	123-15020						

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

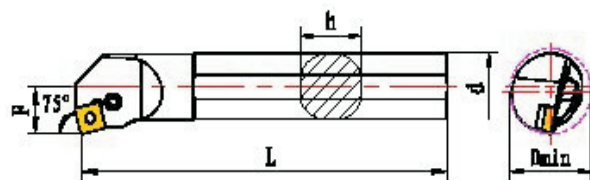
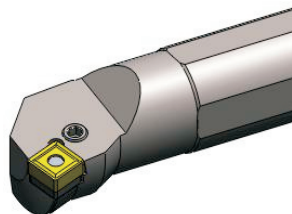
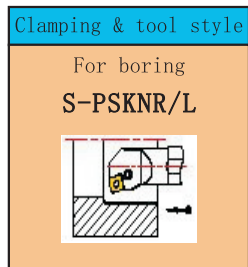
C1~C20

Technical data
技术资料

D1~D21

Lever lock style boring bar(P style)

75° 内孔车刀

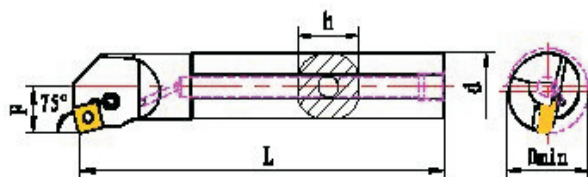
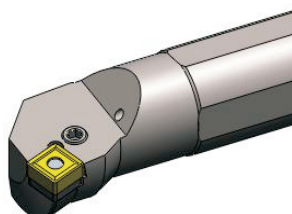
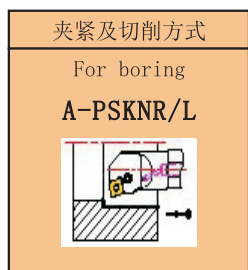


Right hand shown: S32T-PSKNR12

Left hand: S32T-PSKNL12

Model	Basic dimensions					Order No.							
	d	h	L	F	Dmin	Right	Left	Insert	Shim	shim pin	lever	screw	key
S25S-PSKNR/L12	25	23	250	17	32	113-02910	113-12910	SN..1204..	—	—	NG0514	NGL0817	S4
S32T-PSKNR/L12	32	30	300	22	40	113-02915	113-12915		S12A	GH0607	G0514	GL0822	
S40U-PSKNR/L12	40	37	350	27	50	113-02920	113-12920						
S50V-PSKNR/L12	50	47	400	35	63	113-02925	113-12925						
S40U-PSKNR/L15	40	37	350	27	50	113-02930	113-12930	SN..1506..	S15A	GH0709	G0616	GL0826	S4
S50V-PSKNR/L15	50	47	400	35	63	113-02935	113-12935						

75° 内孔车刀 (内冷 with coolant hole)



Right hand shown: A32T-PSKNR12

Left hand: A32T-PSKNL12

Model	Basic dimensions					Order No.							
	d	h	L	F	Dmin	Right	Left	Insert	Shim	shim pin	lever	screw	key
A25S-PSKNR/L12	25	23	250	17	32	123-02910	123-12910	SN..1204..	—	—	NG0514	NGL0817	S4
A32T-PSKNR/L12	32	30	300	22	40	123-02915	123-12915		S12A	GH0607	G0514	GL0822	
A40U-PSKNR/L12	40	37	350	27	50	123-02920	123-12920						
A50V-PSKNR/L12	50	47	400	35	63	123-02925	123-12925						
A40U-PSKNR/L15	40	37	350	27	50	123-02930	123-12930	SN..1506..	S15A	GH0709	G0616	GL0826	S4
A50V-PSKNR/L15	50	47	400	35	63	123-02935	123-12935						

Boring bar index

内孔车刀一览表

A52~A101

Inserts & spare parts

刀片及附件

C1~C20

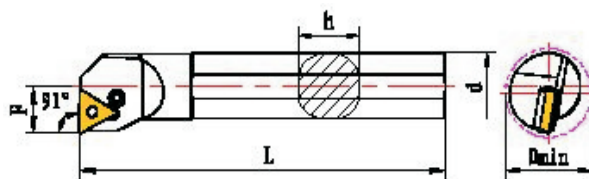
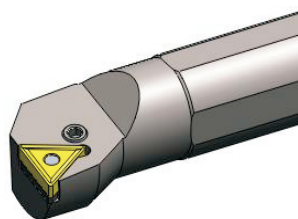
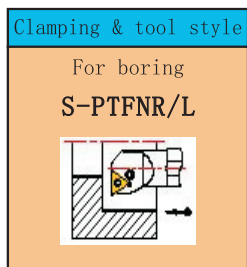
Technical data

技术资料

D1~D21

Lever lock style boring bar(P style)

90° 内孔车刀

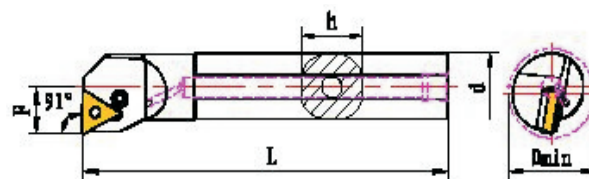
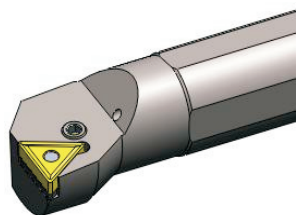
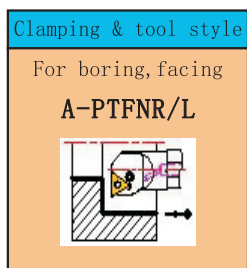


Right hand shown: S32T-PTFNR22

Left hand: S32T-PTFNL22

Model	Basic dimensions					Order No.		Insert	Shim	shim pin	lever	screw	key
	d	h	L	F	Dmin	Right	Left						
S16Q-PTFNR/L16	16	15	180	11	20	113-01310	113-11310	TN. . 1604. .	-	-	NG310A	GL0611	S3
S20R-PTFNR/L16	20	18	200	13	25	113-01315	113-11315		T16A	GH0405	G0310	GL0615	
S25S-PTFNR/L16	25	23	250	17	32	113-01320	113-11320					GL0617	
S32T-PTFNR/L16	32	30	300	22	40	113-01325	113-11325					GL0620	
S40U-PTFNR/L16	40	37	350	27	50	113-01330	113-11330						
S32T-PTFNR/L22	32	30	300	22	40	113-01335	113-11335	TN. . 2204. .	T22A	GH0607	G0514	GL0822	S4
S40U-PTFNR/L22	40	37	350	27	50	113-01340	113-11340						
S50V-PTFNR/L22	50	47	400	35	63	113-01345	113-11345						

90° 内孔车刀 (内冷 with coolant hole)



Right hand shown: A32T-PTFNR22

Left hand: A32T-PTFNL22

Model	Basic dimensions					Order No.		Insert	Shim	shim pin	lever	screw	key
	d	h	L	F	Dmin	Right	Left						
A16Q-PTFNR/L16	16	15	180	11	20	123-01310	123-11310	TN. . 1604. .	-	-	NG310A	GL0611	S3
A20R-PTFNR/L16	20	18	200	13	25	123-01315	123-11315		T16A	GH0405	G0310	GL0615	
A25S-PTFNR/L16	25	23	250	17	32	123-01320	123-11320					GL0617	
A32T-PTFNR/L16	32	30	300	22	40	123-01325	123-11325					GL0620	
A40U-PTFNR/L16	40	37	350	27	50	123-01330	123-11330						
A32T-PTFNR/L22	32	30	300	22	40	123-01335	123-11335	TN. . 2204. .	T22A	GH0607	G0514	GL0822	S4
A40U-PTFNR/L22	40	37	350	27	50	123-01340	123-11340						
A50V-PTFNR/L22	50	47	400	35	63	123-01345	123-11345						

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

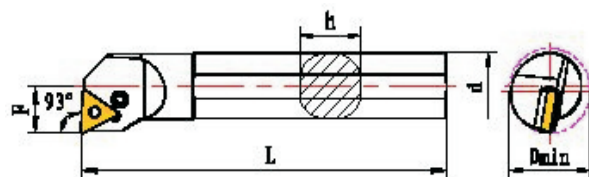
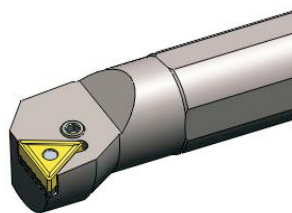
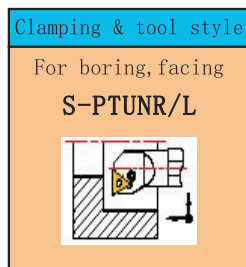
C1~C20

Technical data
技术资料

D1~D21

Lever lock style boring bar(P style)

93° 内孔、端面车刀

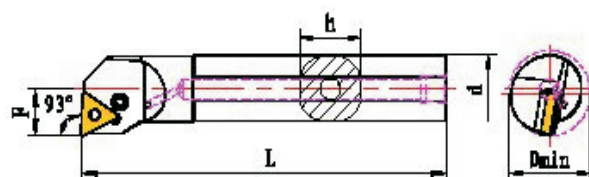
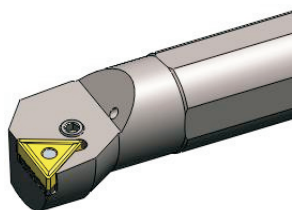
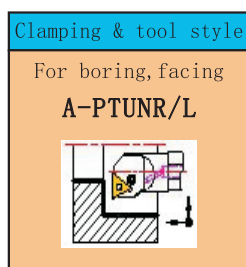


Right hand shown: S32T-PTUNR22

Left hand: S32T-PTUNL22

Model	Basic dimensions					Order No.		Insert	Shim	shim pin	lever	screw	key
	d	h	L	F	Dmin	Right	Left						
S16Q-PTUNR/L16	16	15	180	11	20	113-04310	113-14310	TN. . 1604. .	-	-	NG310A	GL0611	S3
S20R-PTUNR/L16	20	18	200	13	25	113-04315	113-14315					GL0615	
S25S-PTUNR/L16	25	23	250	17	32	113-04320	113-14320					GL0617	
S32T-PTUNR/L16	32	30	300	22	40	113-04325	113-14325					GL0620	
S40U-PTUNR/L16	40	37	350	27	50	113-04330	113-14330						
S32T-PTUNR/L22	32	30	300	22	40	113-04335	113-14335	TN. . 2204. .	T16A	GH0405	G0310		S4
S40U-PTUNR/L22	40	37	350	27	50	113-04340	113-14340					GL0822	
S50V-PTUNR/L22	50	47	400	35	63	113-04345	113-14345						

93° 内孔、端面车刀 (内冷 with coolant hole)



Right hand shown: A32T-PTUNR22

Left hand: A32T-PTUNL22

Model	Basic dimensions					Order No.		Insert	Shim	shim pin	lever	screw	key
	d	h	L	F	Dmin	Right	Left						
A16Q-PTUNR/L16	16	15	180	11	20	123-04310	123-14310	TN. . 1604. .	-	-	NG310A	GL0611	S3
A20R-PTUNR/L16	20	18	200	13	25	123-04315	123-14315					GL0615	
A25S-PTUNR/L16	25	23	250	17	32	123-04320	123-14320					GL0617	
A32T-PTUNR/L16	32	30	300	22	40	123-04325	123-14325					GL0620	
A40U-PTUNR/L16	40	37	350	27	50	123-04330	123-14330						
A32T-PTUNR/L22	32	30	300	22	40	123-04335	123-14335	TN. . 2204. .	T16A	GH0405	G0310		S4
A40U-PTUNR/L22	40	37	350	27	50	123-04340	123-14340					GL0822	
A50V-PTUNR/L22	50	47	400	35	63	123-04345	123-14345						

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

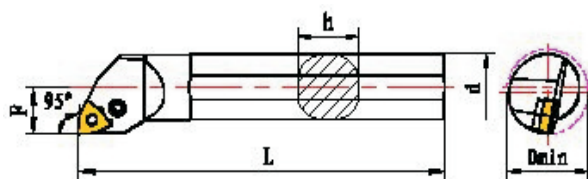
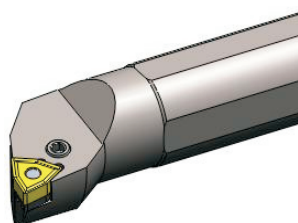
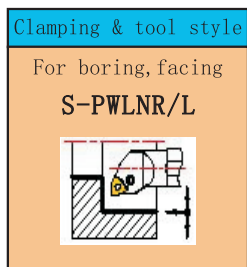
C1~C20

Technical data
技术资料

D1~D21

Lever lock style boring bar(P style)

95° 内孔、端面车刀

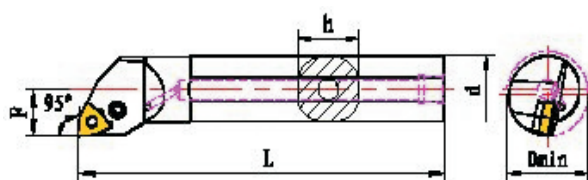
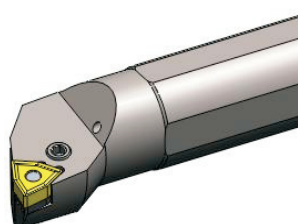
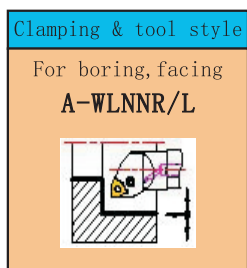


Right hand shown: S32T-PWLNRO8

Left hand: S32T-PWLNLO8

Model	Basic dimensions					Order No.		Insert	Shim	shim pin	lever	screw	key
	d	h	L	F	Dmin	Right	Left						
S16Q-PWLNRL06	16	15	180	11	20	113-03210	113-13210	WN. .0604. .	-	-	NG310B	GL0613	S3
S20R-PWLNRL06	20	18	200	13	25	113-03215	113-13215				NG310A	GL0615	
S25S-PWLNRL08	25	23	250	17	32	113-03220	113-13220	WN. .0804. .	W08A	GH0607	NG0514	NGL0817	S4
S32T-PWLNRL08	32	30	300	22	40	113-03225	113-13225					GL0820	
S40U-PWLNRL08	40	37	350	27	50	113-03230	113-13230				G0514	GL0822	
S50V-PWLNRL08	50	47	400	35	63	113-03235	113-13235						

95° 内孔、端面车刀 (内冷 with coolant hole)



Right hand shown: A32T-PWLNRO8

Left hand: A32T-PWLNLO8

Model	Basic dimensions					Order No.		Insert	Shim	shim pin	lever	screw	key
	d	h	L	F	Dmin	Right	Left						
A16Q-PWLNRL06	16	15	180	11	20	123-03210	123-13210	WN. .0604. .	-	-	NG310B	GL0613	S3
A20R-PWLNRL06	20	18	200	13	25	123-03215	123-13215				NG310A	GL0615	
A25S-PWLNRL08	25	23	250	17	32	123-03220	123-13220	WN. .0804. .	W08A	GH0607	NG0514	NGL0817	S4
A32T-PWLNRL08	32	30	300	22	40	123-03225	123-13225					GL0820	
A40U-PWLNRL08	40	37	350	27	50	123-03230	123-13230				G0514	GL0822	
A50V-PWLNRL08	50	47	400	35	63	123-03235	123-13235						

Boring bar index

内孔车刀一览表

A52~A101

Inserts & spare parts

刀片及附件

C1~C20

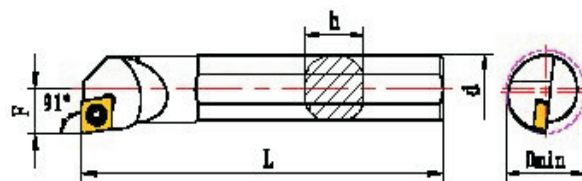
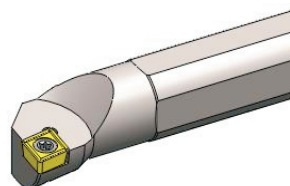
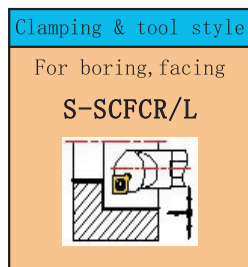
Technical data

技术资料

D1~D21

Screw lock style boring bar (S style)

90° 内孔、端面车刀

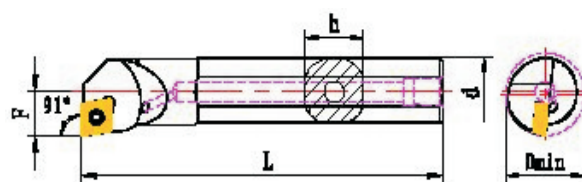
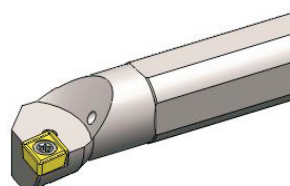
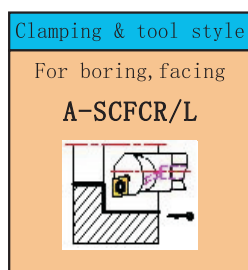


Right hand shown: S20R-SCFCR09

Left hand: S20R-SCFCL09

Model	Basic dimensions					Order No.		Insert	Screw	Key
	d	h	L	F	Dmin	Right	Left			
S08H-SCFCR/L06	8	7	100	6	11	114-01110	114-11110	CC..0602..	IM2.5×5	T8
S10K-SCFCR/L06	10	9	125	7	13	114-01115	114-11115		IM2.5×6	
S12M-SCFCR/L06	12	11	150	9	16	114-01120	114-11120			
S12M-SCFCR/L09	12	11	150	9	16	114-01125	114-11125	CC..09T3..	IM4×8	T15
S16Q-SCFCR/L09	16	15	180	11	20	114-01130	114-11130		IM4×10	
S20R-SCFCR/L09	20	18	200	13	25	114-01135	114-11135			
S25S-SCFCR/L12	25	23	250	17	32	114-01140	114-11140	CC..1204..	IM5×12	T20
S32T-SCFCR/L12	32	30	300	22	40	114-01145	114-11145			

90° 内孔、端面车刀（内冷 with coolant hole ）



Right hand shown: A20R-SCFCR09

Left hand: A20R-SCFCL09

Model	Basic dimensions					Order No.		Insert	Screw	Key
	d	h	L	F	Dmin	Right	Left			
A08H-SCFCR/L06	8	7	100	6	11	124-01110	124-11110	CC..0602..	IM2.5×5	T8
A10K-SCFCR/L06	10	9	125	7	13	124-01115	124-11115		IM2.5×6	
A12M-SCFCR/L06	12	11	150	9	16	124-01120	124-11120			
A12M-SCFCR/L09	12	11	150	9	16	124-01125	124-11125	CC..09T3..	IM4×8	T15
A16Q-SCFCR/L09	16	15	180	11	20	124-01130	124-11130		IM4×10	
A20R-SCFCR/L09	20	18	200	13	25	124-01135	124-11135			
A25S-SCFCR/L12	25	23	250	17	32	124-01140	124-11140	CC..1204..	IM5×12	T20
A32T-SCFCR/L12	32	30	300	22	40	124-01145	124-11145			

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

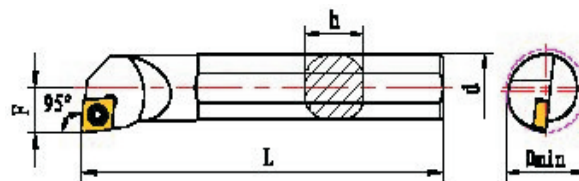
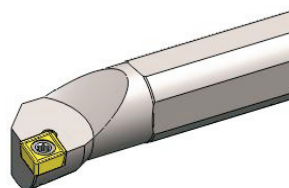
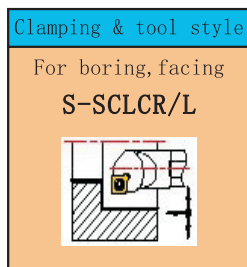
C1~C20

Technical data
技术资料

D1~D21

Screw lock style boring bar (S style)

95° 内孔、端面车刀

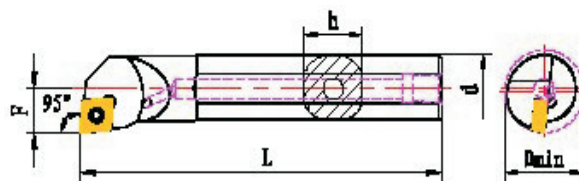
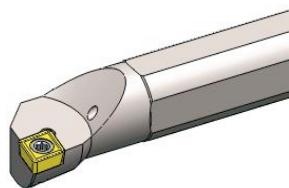
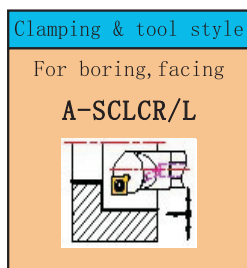


Right hand shown: S20R-SCLCR09

Left hand: S20R-SCLCL09

Model	Basic dimensions					Order No.		Insert	Screw	Key
	d	h	L	F	Dmin	Right	Left			
S08H-SCLCR/L06	8	7	100	6	11	114-03010	114-13010	CC..0602..	IM2.5×5	T8
S10K-SCLCR/L06	10	9	125	7	13	114-03015	114-13015		IM2.5×6	
S12M-SCLCR/L06	12	11	150	9	16	114-03020	114-13020			
S12M-SCLCR/L09	12	11	150	9	16	114-03025	114-13025	CC..09T3..	IM4×8	T15
S16Q-SCLCR/L09	16	15	180	11	20	114-03030	114-13030		IM4×10	
S20R-SCLCR/L09	20	18	200	13	25	114-03035	114-13035			
S25S-SCLCR/L12	25	23	250	17	32	114-03040	114-13040	CC..1204..	IM5×12	T20
S32T-SCLCR/L12	32	30	300	22	40	114-03045	114-13045			

95° 内孔、端面车刀（内冷 with coolant hole）



Right hand shown: A20R-SCLCR09

Left hand: A20R-SCLCL09

Model	Basic dimensions					Order No.		Insert	Screw	Key
	d	h	L	F	Dmin	Right	Left			
A08H-SCLCR/L06	8	7	100	6	11	124-03010	124-13010	CC..0602..	IM2.5×5	T8
A10K-SCLCR/L06	10	9	125	7	13	124-03015	124-13015		IM2.5×6	
A12M-SCLCR/L06	12	11	150	9	16	124-03020	124-13020			
A12M-SCLCR/L09	12	11	150	9	16	124-03025	124-13025	CC..09T3..	IM4×8	T15
A16Q-SCLCR/L09	16	15	180	11	20	124-03030	124-13030		IM4×10	
A20R-SCLCR/L09	20	18	200	13	25	124-03035	124-13035			
A25S-SCLCR/L12	25	23	250	17	32	124-03040	124-13040	CC..1204..	IM5×12	T20
A32T-SCLCR/L12	32	30	300	22	40	124-03045	124-13045			

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

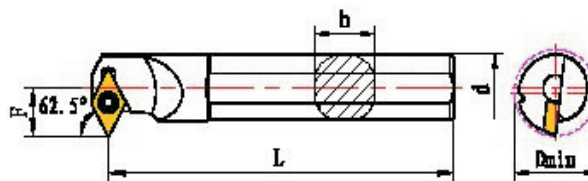
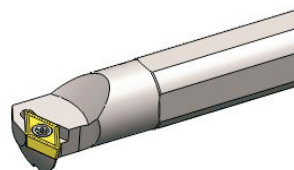
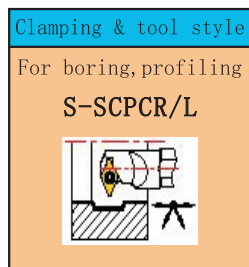
C1~C20

Technical data
技术资料

D1~D21

Screw lock style boring bar (S style)

62.5° 内孔仿形车刀

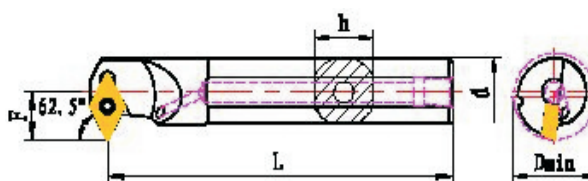
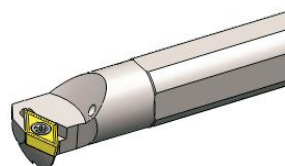
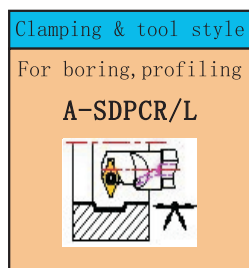


Right hand shown: S20R-SDPCR11-E

Left hand: S20R-SDPCL11-E

Model	Basic dimensions					Order No.		Insert	Screw	Key
	d	h	L	F	Dmin	Right	Left			
S12M-SDPCR/L07-D	12	11	150	9	16	114-03410	114-13410	DC..0702..	IM2.5×6	T8
S16Q-SDPCR/L07	16	15	180	11	20	114-03415	114-13415			
S16Q-SDPCR/L11-E	16	15	180	13	22	114-03420	114-13420	DC..11T3..	IM4×10	T15
S20R-SDPCR/L11-E	20	18	200	15	27	114-03425	114-13425			
S25S-SDPCR/L11	25	23	250	17	32	114-03430	114-13430			
S32T-SDPCR/L11	32	30	300	22	40	114-03435	114-13435			

62.5° 内孔仿形车刀（内冷 with coolant hole）



Right hand shown: A20R-SDPCR11-E

Left hand: A20R-SDPCL11-E

Model	Basic dimensions					Order No.		Insert	Screw	Key
	d	h	L	F	Dmin	Right	Left			
A12M-SDPCR/L07-D	12	11	150	9	16	124-03410	124-13410	DC..0702..	IM2.5×6	T8
A16Q-SDPCR/L07	16	15	180	11	20	124-03415	124-13415			
A16Q-SDPCR/L11-E	16	15	180	13	22	124-03420	124-13420	DC..11T3..	IM4×10	T15
A20R-SDPCR/L11-E	20	18	200	15	27	124-03425	124-13425			
A25S-SDPCR/L11	25	23	250	17	32	124-03430	124-13430			
A32T-SDPCR/L11	32	30	300	22	40	124-03435	124-13435			

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

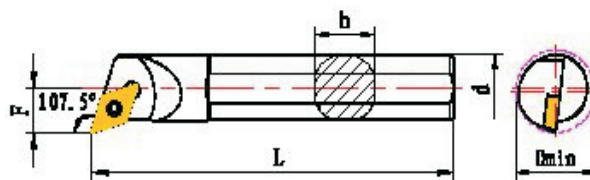
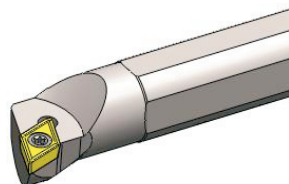
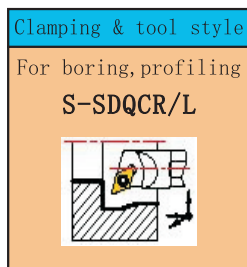
C1~C20

Technical data
技术资料

D1~D21

Screw lock style boring bar (S style)

107.5° 内孔仿形车刀

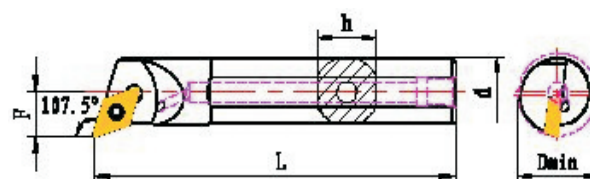
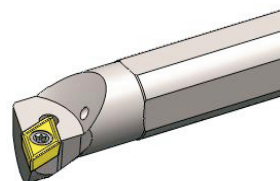
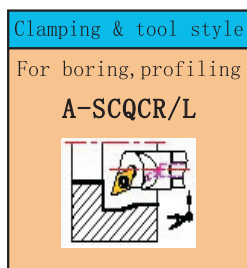


Right hand shown: S20R-SDQCR11

Left hand: S20R-SDQCL11

Model	Basic dimensions						Order No.				
	d	h	L	F	Dmin		Right	Left	Insert	Screw	Key
S08H-SDQCR/L07	8	7	100	6	11		114-03510	114-13510	DC. . 0702. .	IM2. 5×5	T8
S10K-SDQCR/L07	10	9	125	7	13		114-03515	114-13515		IM2. 5×6	
S12M-SDQCR/L07	12	11	150	9	16		114-03520	114-13520			
S16Q-SDQCR/L07	16	15	180	11	20		114-03525	114-13525			
S16Q-SDQCR/L11	16	15	180	11	20		114-03530	114-13530	DC. . 11T3. .	IM4×10	T15
S20R-SDQCR/L11	20	18	200	13	25		114-03535	114-13535			
S25S-SDQCR/L11	25	23	250	17	32		114-03540	114-13540			
S32T-SDQCR/L11	32	30	300	22	40		114-03545	114-13545			

107.5° 内孔仿形车刀 (内冷 with coolant hole)



Right hand shown: A20R-SDQCR11

Left hand: A20R-SDQCL11

Model	Basic dimensions						Order No.				
	d	h	L	F	Dmin		Right	Left	Insert	Screw	Key
A08H-SDQCR/L07	8	7	100	6	11		124-03510	124-13510	DC. . 0702. .	IM2. 5×5	T8
A10K-SDQCR/L07	10	9	125	7	13		124-03515	124-13515		IM2. 5×6	
A12M-SDQCR/L07	12	11	150	9	16		124-03520	124-13520			
A16Q-SDQCR/L07	16	15	180	11	20		124-03525	124-13525			
A16Q-SDQCR/L11	16	15	180	11	20		124-03530	124-13530	DC. . 11T3. .	IM4×10	T15
A20R-SDQCR/L11	20	18	200	13	25		124-03535	124-13535			
A25S-SDQCR/L11	25	23	250	17	32		124-03540	124-13540			
A32T-SDQCR/L11	32	30	300	22	40		124-03545	124-13545			

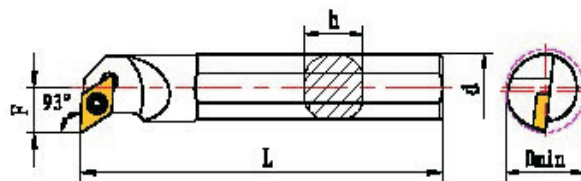
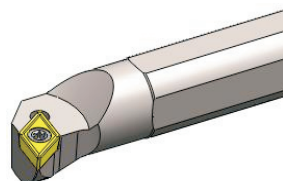
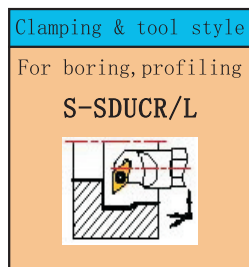
Boring bar index
内孔车刀一览表 **A52~A101**

Inserts & spare parts
刀片及附件 **C1~C20**

Technical data
技术资料 **D1~D21**

Screw lock style boring bar (S style)

93° 内孔仿形车刀

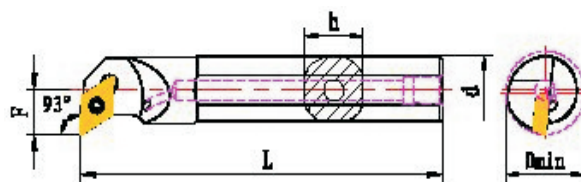
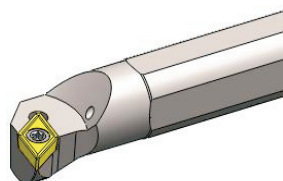
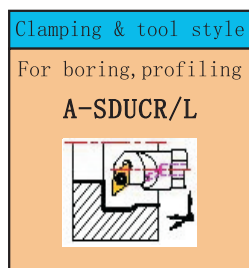


Right hand shown: S20R-SDUCR11

Left hand: S20R-SDUCL11

Model	Basic dimensions					Order No.		Insert	Screw	Key
	d	h	L	F	Dmin	Right	Left			
S10K-SDUCR/L07	10	9	125	7	13	114-04210	114-14210	DC..0702..	IM2.5×6	T8
S12M-SDUCR/L07	12	11	150	9	16	114-04215	114-14215			
S16Q-SDUCR/L07	16	15	180	11	20	114-04220	114-14220			
S16Q-SDUCR/L11	16	15	180	11	20	114-04225	114-14225	DC..11T3..	IM4×10	T15
S20R-SDUCR/L11	20	18	200	13	25	114-04230	114-14230			
S25S-SDUCR/L11	25	23	250	17	32	114-04235	114-14235			
S32T-SDUCR/L11	32	30	300	22	40	114-04240	114-14240			

93° 内孔仿形车刀 (内冷 with coolant hole)



Right hand shown: A20R-SDUCR11

Left hand: A20R-SDUCL11

Model	Basic dimensions					Order No.		Insert	Screw	Key
	d	h	L	F	Dmin	Right	Left			
A10K-SDUCR/L07	10	9	125	7	13	124-04210	124-14210	DC..0702..	IM2.5×6	T8
A12M-SDUCR/L07	12	11	150	9	16	124-04215	124-14215			
A16Q-SDUCR/L07	16	15	180	11	20	124-04220	124-14220			
A16Q-SDUCR/L11	16	15	180	11	20	124-04225	124-14225	DC..11T3..	IM4×10	T15
A20R-SDUCR/L11	20	18	200	13	25	124-04230	124-14230			
A25S-SDUCR/L11	25	23	250	17	32	124-04235	124-14235			
A32T-SDUCR/L11	32	30	300	22	40	124-04240	124-14240			

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

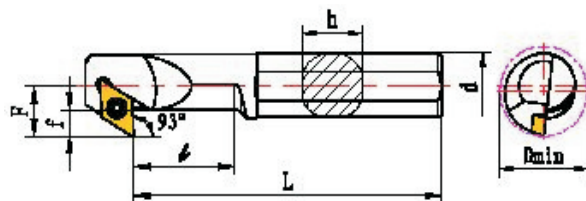
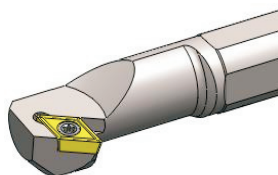
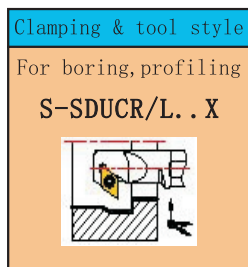
C1~C20

Technical data
技术资料

D1~D21

Screw lock style boring bar (S style)

93° 内孔仿形背镗车刀

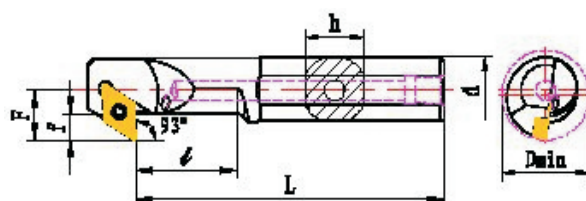
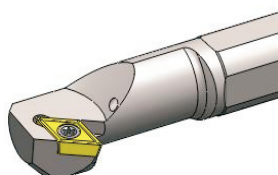
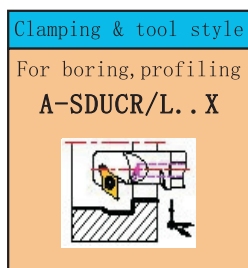


Right hand shown: S20R-SDUCR11-EX

Left hand: S20R-SDUCL11-EX

Model	Basic dimensions						Order No.		Insert	Screw	Key
	d	L	F	Dmin	f	°	Right	Left			
S12M-SDUCR/L07-X	12	150	9	16	4	20	114-05010	114-15010	DC..0702..	IM2.5×6	T8
S16Q-SDUCR/L07-X	16	180	11	20	5	25	114-05015	114-15015			
S20R-SDUCR/L07-X	20	200	13	25	6	30	114-05020	114-15020			
S16Q-SDUCR/L11-EX	16	180	13	22	5	25	114-05025	114-15025	DC..11T3..	IM4×10	T15
S20R-SDUCR/L11-EX	20	200	15	27	6	30	114-05030	114-15030			
S25S-SDUCR/L11-X	25	250	17	32	7	25	114-05035	114-15035			
S32T-SDUCR/L11-X	32	300	22	40	8	45	114-05040	114-15040			

93° 内孔仿形背镗车刀 (内冷 with coolant hole)



Right hand shown: A20R-SDUCR11-EX

Left hand: A20R-SDUCL11-EX

Model	Basic dimensions						Order No.		Insert	Screw	Key
	d	L	F	Dmin	f	°	Right	Left			
A12M-SDUCR/L07-X	12	150	9	16	4	20	124-05010	124-15010	DC..0702..	IM2.5×6	T8
A16Q-SDUCR/L07-X	16	180	11	20	5	25	124-05015	124-15015			
A20R-SDUCR/L07-X	20	200	13	25	6	30	124-05020	124-15020			
A16Q-SDUCR/L11-EX	16	180	11	20	5	25	124-05025	124-15025	DC..11T3..	IM4×10	T15
A20R-SDUCR/L11-EX	20	200	13	25	6	30	124-05030	124-15030			
A25S-SDUCR/L11-X	25	250	17	32	7	25	124-05035	124-15035			
A32T-SDUCR/L11-X	32	300	22	40	8	45	124-05040	124-15040			

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

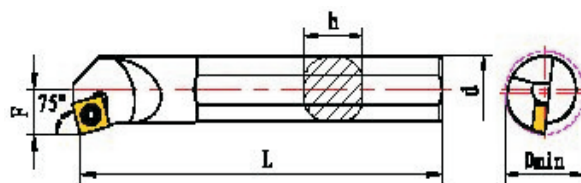
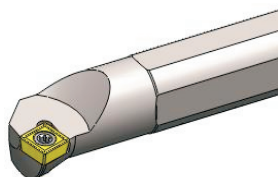
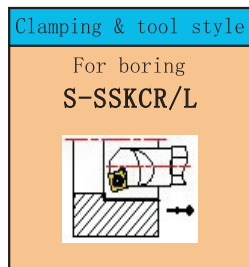
C1~C20

Technical data
技术资料

D1~D21

Screw lock style boring bar (S style)

75° 内孔车刀

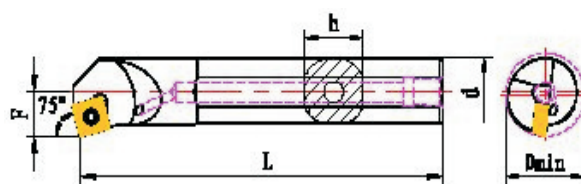
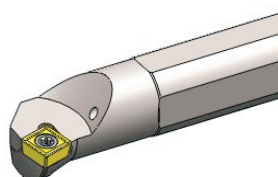
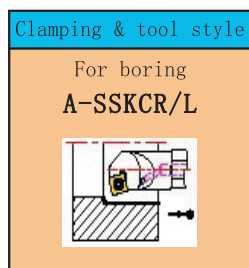


Right hand shown: S20R-SSKCR09

Left hand: S20R-SSKCL09

Model	Basic dimensions					Order No.		Insert	Screw	Key
	d	h	L	F	Dmin	Right	Left			
S16Q-SSKCR/L09	16	15	180	11	20	114-02910	114-12910	SC..09T3..	IM4×8	T15
S20R-SSKCR/L09	20	18	200	13	25	114-02915	114-12915			
S25S-SSKCR/L12	25	23	250	17	32	114-02920	114-12920	SC..1204..	IM5×12	T20
S32T-SSKCR/L12	32	30	300	22	40	114-02925	114-12925			

75° 内孔车刀 (内冷 with coolant hole)



Right hand shown: A20R-SSKCR09

Left hand: A20R-SSKCL09

Model	Basic dimensions					Order No.		Insert	Screw	Key
	h=h1	b	F	L	L	Right	Left			
A16Q-SSKCR/L09	16	15	180	11	20	124-02910	124-12910	SC..09T3..	IM4×8	T15
A20R-SSKCR/L09	20	18	200	13	25	124-02915	124-12915			
A25S-SSKCR/L12	25	23	250	17	32	124-02920	124-12920	SC..1204..	IM5×12	T20
A32T-SSKCR/L12	32	30	300	22	40	124-02925	124-12925			

Boring bar index

内孔车刀一览表

A52~A101

Inserts & spare parts

刀片及附件

C1~C20

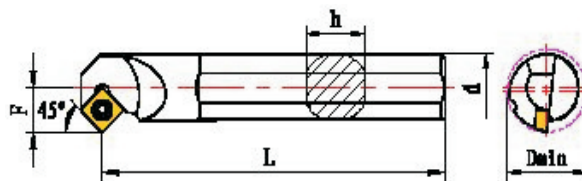
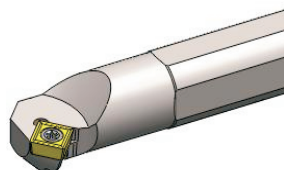
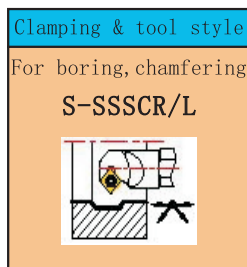
Technical data

技术资料

D1~D21

Screw lock style boring bar (S style)

45° 内孔、倒角仿形车刀

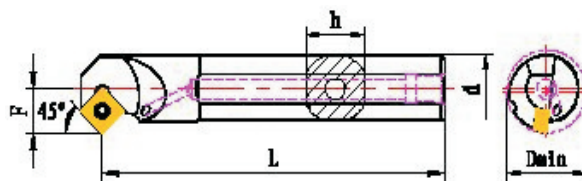
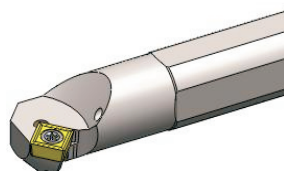
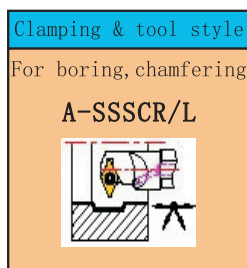


Right hand shown: A20R-SSSCR09

Left hand: A20R-SSSCL09

Model	Basic dimensions						Order No.				
	h=h1	b	F	L	L		Right	Left	Insert	Screw	Key
S16Q-SSSCR/L09	16	15	180	11	20		114-03910	114-13910	SC..09T3..	IM4×8	T15
S20R-SSSCR/L09	20	18	200	13	25		114-03915	114-13915		IM4×10	
S25S-SSSCR/L09	25	23	250	17	32		114-03920	114-13920			
S25S-SSSCR/L12	25	23	250	17	32		114-03925	114-13925	SC..1204..	IM5×12	T20
S32T-SSSCR/L12	32	30	300	22	40		114-03930	114-13930			

45° 内孔、倒角仿形车刀（内冷）Boring bar with coolant hole



Right hand shown: A20R-SSSCR09

Left hand: A20R-SSSCL09

Model	Basic dimensions						Order No.				
	h=h1	b	F	L	L		Right	Left	Insert	Screw	Key
A16Q-SSSCR/L09	16	15	180	11	20		124-03910	124-13910	SC..09T3..	IM4×8	T15
A20R-SSSCR/L09	20	18	200	13	25		124-03915	124-13915		IM4×10	
A25S-SSSCR/L09	25	23	250	17	32		124-03920	124-13920			
A25S-SSSCR/L12	25	23	250	17	32		124-03925	124-13925	SC..1204..	IM5×12	T20
A32T-SSSCR/L12	32	30	300	22	40		124-03930	124-13930			

Boring bar index

内孔车刀一览表

A52~A101

Inserts & spare parts

刀片及附件

C1~C20

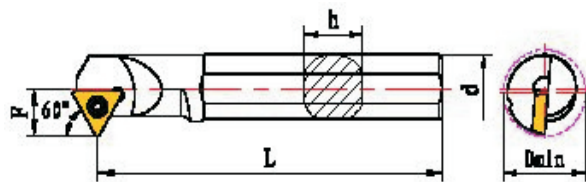
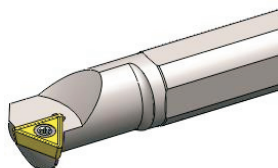
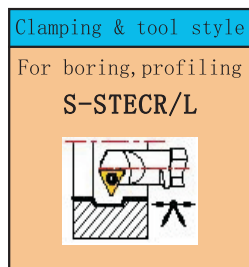
Technical data

技术资料

D1~D21

Screw lock style boring bar (S style)

60° 内孔、仿形车刀

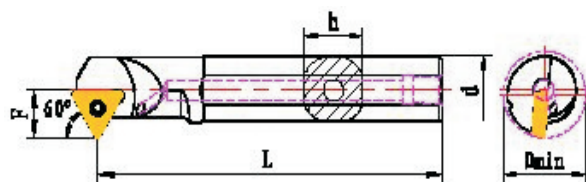
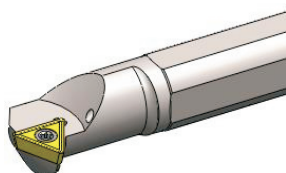
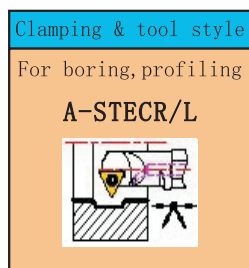


Right hand shown: S20R-STECR16

Left hand: S20R-STECL16

Model	Basic dimensions					Order No.				
	d	h	L	F	Dmin	Right	Left			
S12M-STECL/L11	12	11	150	9	16	114-01010	114-11010	TC..1102..	IM2.5×6	T8
S16Q-STECL/L11	16	15	180	11	20	114-01015	114-11015			
S20R-STECL/L16	20	18	200	13	25	114-01020	114-11020	TC..16T3..	IM4×10	T15
S25S-STECL/L16	25	23	250	17	32	114-01025	114-11025			
S32T-STECL/L16	32	30	300	22	40	114-01030	114-11030			

60° 内孔、倒角仿形车刀（内冷 with coolant hole）



Right hand shown: A20R-STECL16

Left hand: A20R-STECL16

Model	Basic dimensions					Order No.				
	d	h	L	F	Dmin	Right	Left			
A12M-STECL/L11	12	11	150	9	16	124-01010	124-11010	TC..1102..	IM2.5×6	T8
A16Q-STECL/L11	16	15	180	11	20	124-01015	124-11015			
A20R-STECL/L16	20	18	200	13	25	124-01020	124-11020	TC..16T3..	IM4×10	T15
A25S-STECL/L16	25	23	250	17	32	124-01025	124-11025			
A32T-STECL/L16	32	30	300	22	40	124-01030	124-11030			

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

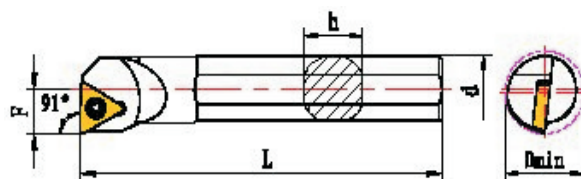
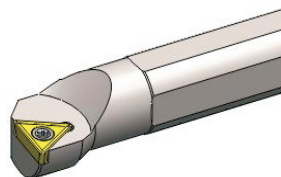
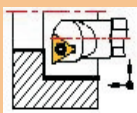
Screw lock style boring bar (S style)

90° 内孔车刀

Clamping & tool style

For boring, facing

S-STFCR/L



Right hand shown: S20R-STFCR16

Left hand: S20R-STFCL16

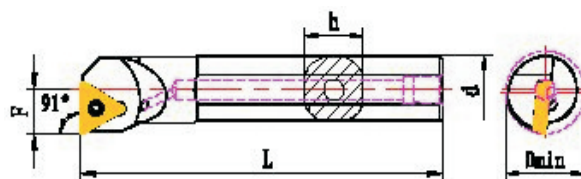
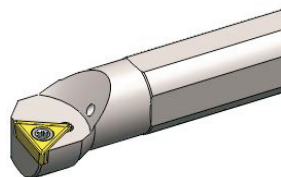
Model	Basic dimensions					Order No.		Insert	Screw	扳手
	d	h	L	F	Dmin	Right	Left			
S08H-STFCR/L09	8	7	100	6	11	114-01310	114-11310	TC..0902..	IM2.2×5.5	T6
S10K-STFCR/L09	10	9	125	7	13	114-01315	114-11315			
S10K-STFCR/L11	10	9	125	7	13	114-01320	114-11320	TC..1102..	IM2.5×6	T8
S12M-STFCR/L11	12	11	150	9	16	114-01325	114-11325			
S16Q-STFCR/L11	16	15	180	11	20	114-01330	114-11330	TC..16T3..	IM4×10	T15
S20R-STFCR/L16	20	18	200	13	25	114-01335	114-11335			
S25S-STFCR/L16	25	23	250	17	32	114-01340	114-11340			
S32T-STFCR/L16	32	30	300	22	40	114-01345	114-11345			

90° 内孔车刀 (内冷 with coolant hole)

Clamping & tool style

For boring, facing

A-STFCR/L



Right hand shown: A20R-STFCR16

Left hand: A20R-STFCL16

Model	Basic dimensions					Order No.		Insert	Screw	Key
	d	h	L	F	Dmin	Right	Left			
A08H-STFCR/L09	8	7	100	6	11	124-01310	124-11310	TC..0902..	IM2.2×5.5	T6
A10K-STFCR/L09	10	9	125	7	13	124-01315	124-11315			
A10K-STFCR/L11	10	9	125	7	13	124-01320	124-11320	TC..1102..	IM2.5×6	T8
A12M-STFCR/L11	12	11	150	9	16	124-01325	124-11325			
A16Q-STFCR/L11	16	15	180	11	20	124-01330	124-11330	TC..16T3..	IM4×10	T15
A20R-STFCR/L16	20	18	200	13	25	124-01335	124-11335			
A25S-STFCR/L16	25	23	250	17	32	124-01340	124-11340			
A32T-STFCR/L16	32	30	300	22	40	124-01345	124-11345			

Boring bar index

内孔车刀一览表

A52~A101

Inserts & spare parts

刀片及附件

C1~C20

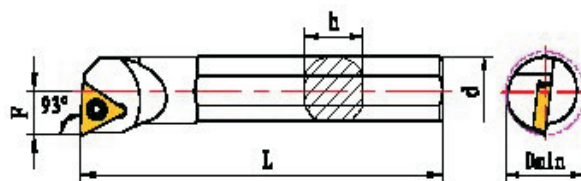
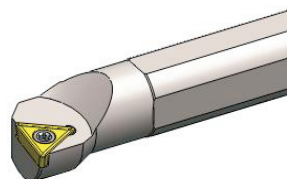
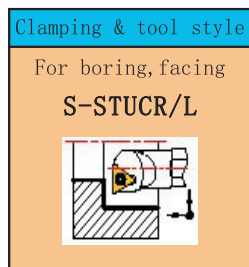
Technical data

技术资料

D1~D21

Screw lock style boring bar (S style)

93° 内孔、端面车刀

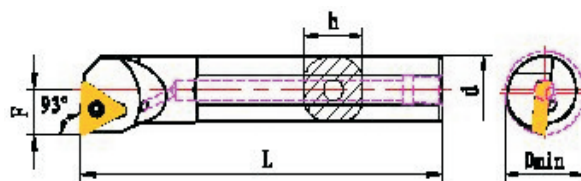
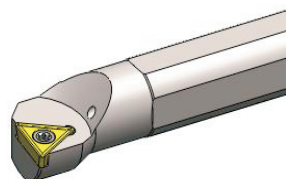
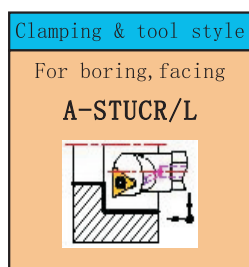


Right hand shown: S20R-STUCR16

Left hand: S20R-STUCL16

Model	Basic dimensions					Order No.				
	d	h	L	F	Dmin	Right	Left			
S08H-STUCR/L09	8	7	100	6	11	114-04310	114-14310	TC..0902..	IM2.2×5.5	T6
S10K-STUCR/L09	10	9	125	7	13	114-04315	114-14315			
S10K-STUCR/L11	10	9	125	7	13	114-04320	114-14320	TC..1102..	IM2.5×6	T8
S12M-STUCR/L11	12	11	150	9	16	114-04325	114-14325			
S16Q-STUCR/L11	16	15	180	11	20	114-04330	114-14330	TC..16T3..	IM4×10	T15
S20R-STUCR/L16	20	18	200	13	25	114-04335	114-14335			
S25S-STUCR/L16	25	23	250	17	32	114-04340	114-14340			
S32T-STUCR/L16	32	30	300	22	40	114-04345	114-14345			

90° 内孔、端面车刀（内冷 with coolant hole）



Right hand shown: A20R-STUCR16

Left hand: A20R-STUCL16

Model	Basic dimensions					Order No.				
	d	h	L	F	Dmin	Right	Left			
A08H-STUCR/L09	8	7	100	6	11	124-04310	124-14310	TC..0902..	IM2.2×5.5	T6
A10K-STUCR/L09	10	9	125	7	13	124-04315	124-14315			
A10K-STUCR/L11	10	9	125	7	13	124-04320	124-14320	TC..1102..	IM2.5×6	T8
A12M-STUCR/L11	12	11	150	9	16	124-04325	124-14325			
A16Q-STUCR/L11	16	15	180	11	20	124-04330	124-14330	TC..16T3..	IM4×10	T15
A20R-STUCR/L16	20	18	200	13	25	124-04335	124-14335			
A25S-STUCR/L16	25	23	250	17	32	124-04340	124-14340			
A32T-STUCR/L16	32	30	300	22	40	124-04345	124-14345			

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

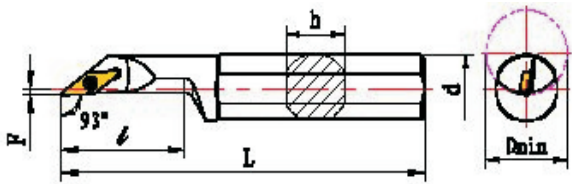
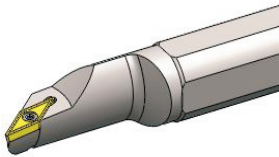
Screw lock style boring bar (S style)

93° 内圆球面仿形车刀

Clamping & tool style

For ball profiling

S-SVJCR/L



Right hand shown: S20R-SVJCR11

Left hand: S20R-SVJCL11

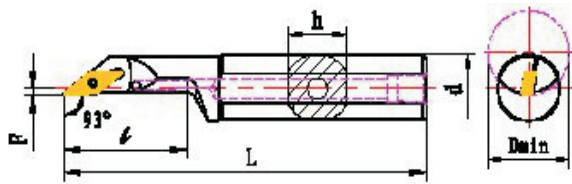
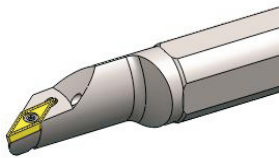
Model	Basic dimensions						Order No.				
	d	h	L	F	Dmin	∠	Right	Left			
S20R-SVJCR/L11	20	18	200	2	25	38	114-02710	114-12710	VC. . 1103..	IM2.5×6	T8
S25S-SVJCR/L11	25	23	250	3.5	30	45	114-02715	114-12715			

93° 内圆球面仿形车刀（内冷 with coolant hole）

Clamping & tool style

For ball profiling

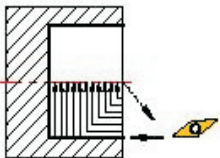
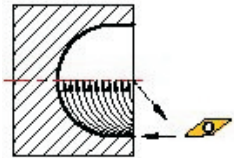
A-SVJCR/L



Right hand shown: A20R-SVJCR11

Left hand: A20R-SVJCL11

Model	Basic dimensions						Order No.				
	d	h	L	F	Dmin	∠	Right	Left			
A20R-SVJCR/L11	20	18	200	2	25	38	124-02710	124-12710	VC. . 1103..	IM2.5×6	T8
A25S-SVJCR/L11	25	23	250	3.5	30	45	124-02715	124-12715			



Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

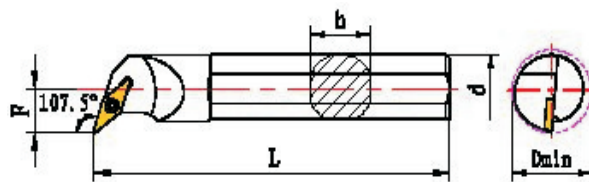
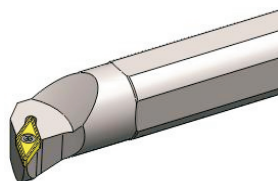
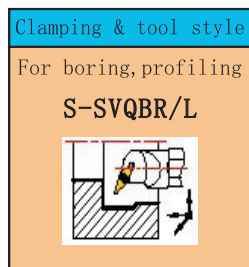
C1~C20

Technical data
技术资料

D1~D21

Screw lock style boring bar (S style)

107.5° 内孔仿形车刀

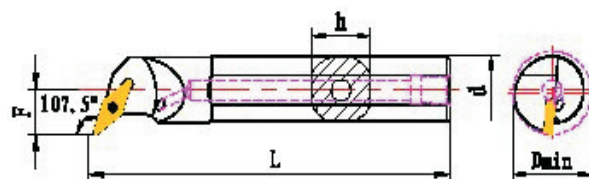
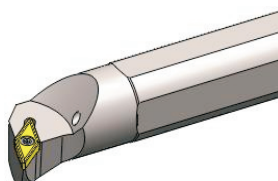
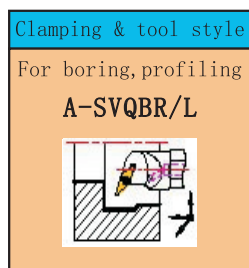


Right hand shown: S20R-SVQBR11

Left hand: S20R-SVQBL11

Model	Basic dimensions					Order No.		Insert	Screw	Key
	d	h	L	F	Dmin	Right	Left			
S16Q-SVQBR/L11	16	15	180	11	20	114-03610	114-13610	VB..1102..	IM2.5×6	T8
S20R-SVQBR/L11	20	18	200	13	25	114-03615	114-13615			
S25S-SVQBR/L11	25	23	250	17	32	114-03620	114-13620			
S25S-SVQBR/L16	25	23	250	17	32	114-03625	114-13625	VB..1604..	IM4×10	T15
S32T-SVQBR/L16	32	30	300	22	40	114-03630	114-13630			

107.5° 内孔仿形车刀 (内冷 with coolant hole)



Right hand shown: A20R-SVQBR11

Left hand: A20R-SVQBL11

Model	Basic dimensions					Order No.		Insert	Screw	Key
	d	h	L	F	Dmin	Right	Left			
A16Q-SVQBR/L11	16	15	180	11	20	124-03610	124-13610	VB..1102..	IM2.5×6	T8
A20R-SVQBR/L11	20	18	200	13	25	124-03615	124-13615			
A25S-SVQBR/L11	25	23	250	17	32	124-03620	124-13620			
A25S-SVQBR/L16	25	23	250	17	32	124-03625	124-13625	VB..1604..	IM4×10	T15
A32T-SVQBR/L16	32	30	300	22	40	124-03630	124-13630			

Boring bar index

内孔车刀一览表

A52~A101

Inserts & spare parts

刀片及附件

C1~C20

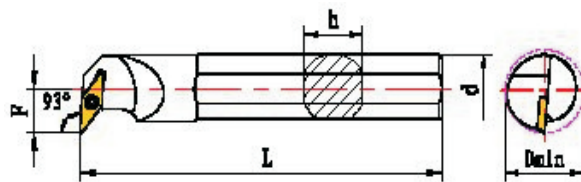
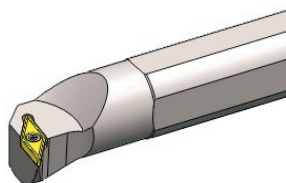
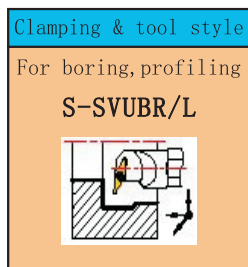
Technical data

技术资料

D1~D21

Screw lock style boring bar (S style)

93° 内孔仿形车刀

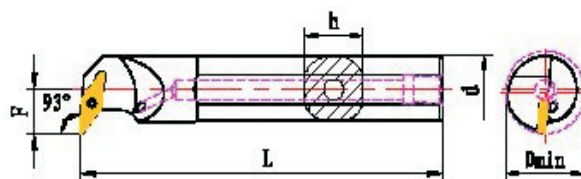
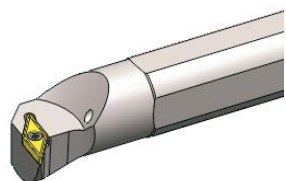
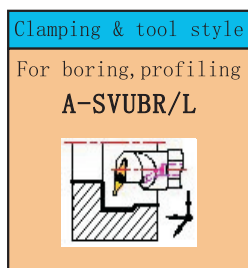


Right hand shown: S20R-SVUBR11

Left hand: S20R-SVUBL11

Model	Basic dimensions					Order No.		Insert	Screw	Key
	d	h	L	F	Dmin	Right	Left			
S16Q-SVUBR/L11	16	15	180	11	20	114-04410	114-14410	VB..1102..	IM2.5×6	T8
S20R-SVUBR/L11	20	18	200	13	25	114-04415	114-14415			
S25S-SVUBR/L11	25	23	250	17	32	114-04420	114-14420			
S25S-SVUBR/L16	25	23	250	17	32	114-04425	114-14425	VB..1604..	IM4×10	T15
S32T-SVUBR/L16	32	30	300	22	40	114-04430	114-14430			

93° 内孔仿形车刀 (内冷 with coolant hole)



Right hand shown: A20R-SVUBR11

Left hand: A20R-SVUBL11

Model	Basic dimensions					Order No.		Insert	Screw	Key
	d	h	L	F	Dmin	Right	Left			
A16Q-SVUBR/L11	16	15	180	11	20	124-04410	124-14410	VB..1102..	IM2.5×6	T8
A20R-SVUBR/L11	20	18	200	13	25	124-04415	124-14415			
A25S-SVUBR/L11	25	23	250	17	32	124-04420	124-14420			
A25S-SVUBR/L16	25	23	250	17	32	124-04425	124-14425	VB..1604..	IM4×10	T15
A32T-SVUBR/L16	32	30	300	22	40	124-04430	124-14430			

Boring bar index

内孔车刀一览表

A52~A101

Inserts & spare parts

刀片及附件

C1~C20

Technical data

技术资料

D1~D21

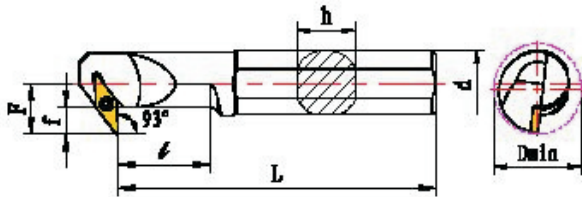
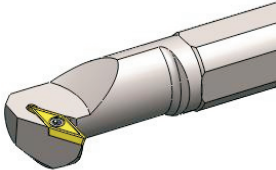
Screw lock style boring bar (S style)

93° 内孔仿形背镗车刀

Clamping & tool style

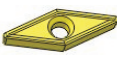
For boring, profiling

S-SVUBR/L. . X



Right hand shown: S20R-SVUBR11-X

Left hand: S20R-SVUBL11-X

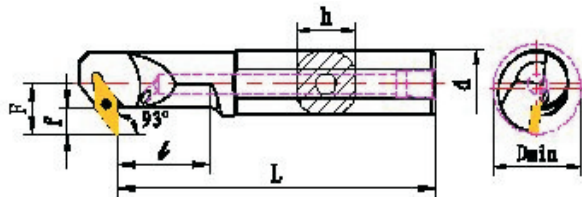
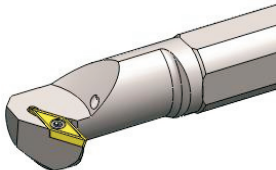
Model	Basic dimensions						Order No.				
	d	L	F	Dmin	f	°	Right	Left			
S16Q-SVUBR/L11-X	16	180	11	20	5	25	114-05110	114-15110	VB. . 1102. .	IM2.5×6	T8
S20R-SVUBR/L11-X	20	200	13	25	6	30	114-05115	114-15115			
S25S-SVUBR/L16-X	25	250	17	32	7	25	114-05130	114-15130	VB. . 1604. .	IM4×10	T15
S32T-SVUBR/L16-X	32	300	22	40	8	45	114-05135	114-15135			

93° 内孔仿形背镗车刀（内冷 with coolant hole）

Clamping & tool style

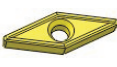
For boring, profiling

A-SVUBR/L. . X



Right hand shown: A20R-SVUBR11-X

Left hand: A20R-SVUBL11-X

Model	Basic dimensions						Order No.				
	d	L	F	Dmin	f	°	Right	Left			
A16Q-SVUBR/L11-X	16	180	11	20	5	25	124-05110	124-15110	VB. . 1102. .	IM2.5×6	T8
A20R-SVUBR/L11-X	20	200	13	25	6	30	124-05115	124-15115			
A25S-SVUBR/L16-X	25	250	17	32	7	25	124-05130	124-15130	VB. . 1604. .	IM4×10	T15
A32T-SVUBR/L16-X	32	300	22	40	8	45	124-05135	124-15135			

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

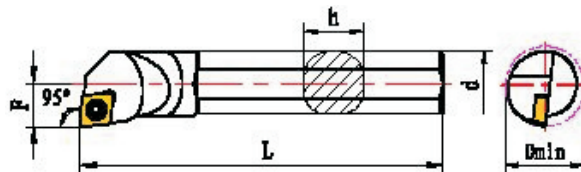
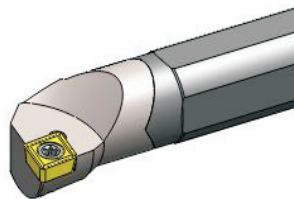
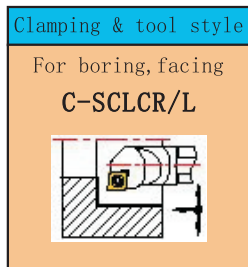
C1~C20

Technical data
技术资料

D1~D21

Screw lock style carbide boring bar (S style)

95° 内孔、端面车刀

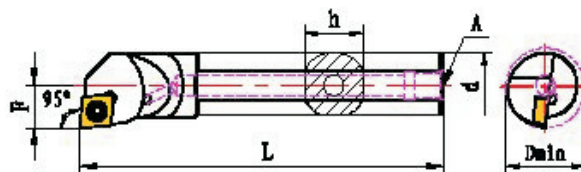
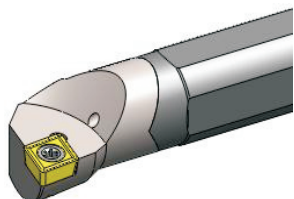
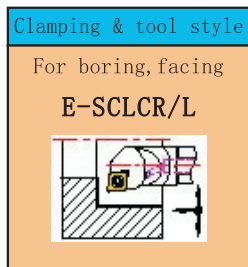


Right hand shown: C20S-SCLCR09

Left hand: C20S-SCLCL09

Model	Basic dimensions					Order No.		Insert	Screw	Key
	d	h	L	F	Dmin	Right	Left			
C08K-SCLCR/L06	8	7	125	5	10	184-03010	184-13010	CC..0602	IM2.5×5	T8
C10M-SCLCR/L06	10	9	150	6	12	184-03015	184-13015		IM2.5×6	
C12Q-SCLCR/L06	12	11	180	8	15	184-03020	184-13020			
C12Q-SCLCR/L09	12	11	180	8	15	184-03025	184-13025	CC..09T3	IM4×8	T15
C16R-SCLCR/L09	16	15	200	11	20	184-03030	184-13030			
C20S-SCLCR/L09	20	18	250	13	25	184-03035	184-13035		IM4×10	

95° 内孔、端面车刀 (内冷 with coolant hole)



Right hand shown: E20S-SCLCR09

Left hand: E20S-SCLCL09

Model	Basic dimensions					Order No.		Insert	Screw	Key
	d	h	L	F	Dmin	Right	Left			
E08K-SCLCR/L06	8	7	125	5	10	194-03010	194-13010	CC..0602	IM2.5×5	T8
E10M-SCLCR/L06	10	9	150	6	12	194-03015	194-13015		IM2.5×6	
E12Q-SCLCR/L06	12	11	180	8	15	194-03020	194-13020			
E12Q-SCLCR/L09	12	11	180	8	15	194-03025	194-13025	CC..09T3	IM4×8	T15
E16R-SCLCR/L09	16	15	200	11	20	194-03030	194-13030			
E20S-SCLCR/L09	20	18	250	13	25	194-03035	194-13035		IM4×10	

Boring bar index

内孔车刀一览表

A52~A101

Inserts & spare parts

刀片及附件

C1~C20

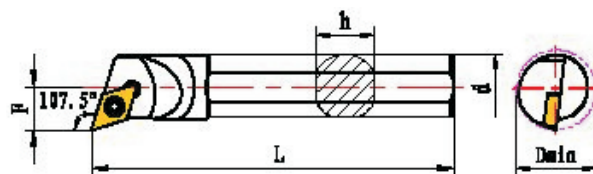
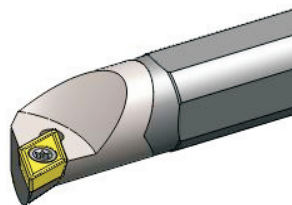
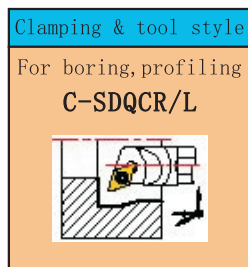
Technical data

技术资料

D1~D21

Screw lock style carbide boring bar (S style)

107.5° 内孔仿形车刀

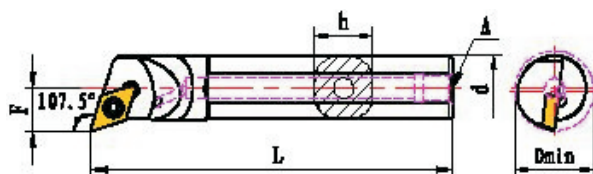
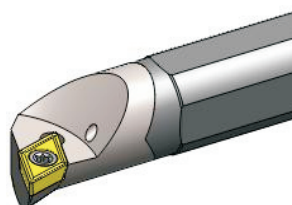
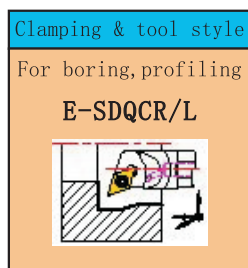


Right hand shown: C20S-SDQCR11

Left hand: C20S-SDQCL11

Model	Basic dimensions						Order No.				
	d	h	L	F	Dmin		Right	Left	Insert	Screw	Key
C08K-SDQCR/L07	8	7	125	6.5	11.5		184-03510	184-13510	DC..0702	IM2.5×5	T8
C10M-SDQCR/L07	10	9	150	7	13		184-03515	184-13515		IM2.5×6	
C12Q-SDQCR/L07	12	11	180	9	16		184-03520	184-13520			
C16R-SDQCR/L07	16	15	200	11	20		184-03525	184-13525			
C16R-SDQCR/L11	16	15	200	11	20		184-03530	184-13530	DC..11T3	IM4×10	T15
C20S-SDQCR/L11	20	18	250	13	25		184-03535	184-13535			

107.5° 内孔仿形车刀 (内冷 with coolant hole)



Right hand shown: E20S-SDQCR11

Left hand: E20S-SDQCL11

Model	Basic dimensions						Order No.				
	d	h	L	F	Dmin		Right	Left	Insert	Screw	Key
E08K-SDQCR/L07	8	7	125	6.5	11.5		194-03510	194-13510	DC..0702	IM2.5×5	T8
E10M-SDQCR/L07	10	9	150	7	13		194-03515	194-13515		IM2.5×6	
E12Q-SDQCR/L07	12	11	180	9	16		194-03520	194-13520			
E16R-SDQCR/L07	16	15	200	11	20		194-03525	194-13525			
E16R-SDQCR/L11	16	15	200	11	20		194-03530	194-13530	DC..11T3	IM4×10	T15
E20S-SDQCR/L11	20	18	250	13	25		194-03535	194-13535			

Boring bar index

内孔车刀一览表

A52~A101

Inserts & spare parts

刀片及附件

C1~C20

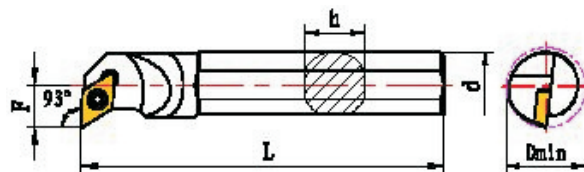
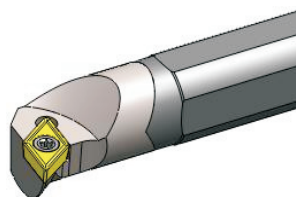
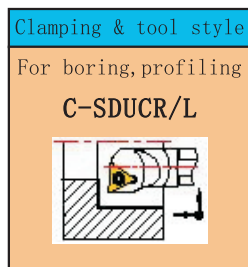
Technical data

技术资料

D1~D21

Screw lock style carbide boring bar (S style)

93° 内孔仿形车刀

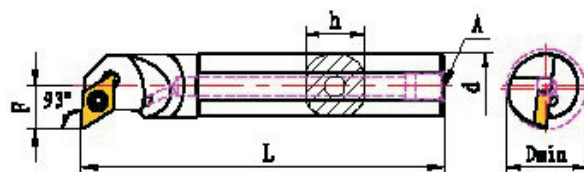
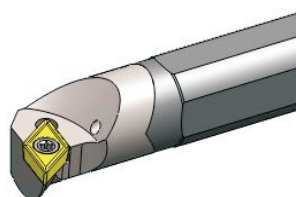
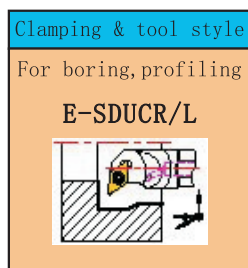


Right hand shown: C20S-SDUCR11

Left hand: C20S-SDUCL11

Model	Basic dimensions						Order No.		Insert	Screw	Key
	d	h	L	F	Dmin		Right	Left			
C10M-SDUCR/L07	10	9	150	7.5	13.5		184-04210	184-14210	DC..0702	IM2.5×6	T8
C12Q-SDUCR/L07	12	11	180	9	16		184-04215	184-14215			
C16R-SDUCR/L07	16	15	200	11	20		184-04220	184-14220			
C16R-SDUCR/L11	16	15	200	11	20		184-04225	184-14225	DC..11T3	IM4×10	T15
C20S-SDUCR/L11	20	18	250	13	25		184-04230	184-14230			

93° 内孔仿形车刀 (内冷 with coolant hole)



Right hand shown: E20S-SDUCR11

Left hand: E20S-SDUCL11

Model	Basic dimensions						Order No.		Insert	Screw	Key
	d	h	L	F	Dmin		Right	Left			
E10M-SDUCR/L07	10	9	150	7.5	13.5		194-04210	194-14210	DC..0702	IM2.5×6	T8
E12Q-SDUCR/L07	12	11	180	9	16		194-04215	194-14215			
E16R-SDUCR/L07	16	15	200	11	20		194-04220	194-14220			
E16R-SDUCR/L11	16	15	200	11	20		194-04225	194-14225	DC..11T3	IM4×10	T15
E20S-SDUCR/L11	20	18	250	13	25		194-04230	194-14230			

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

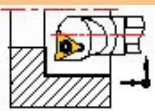
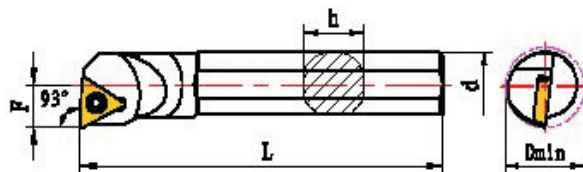
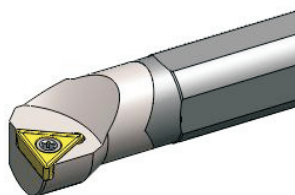
Screw lock style carbide boring bar (S style)

93° 内孔、端面车刀

Clamping & tool style

For boring, facing

C-STUCR/L

Right hand shown: C20S-STUCR16

Left hand: C20S-STUCL16

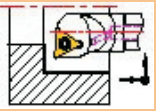
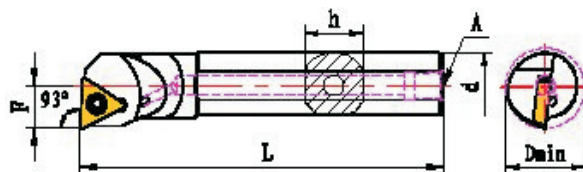
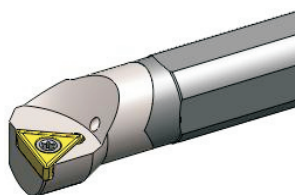
Model	Basic dimensions					Order No.				
	d	h	L	F	Dmin	Right	Left			
C08K-STUCR/L09	8	7	125	5	10	184-04310	184-14310	TC. . 0902	IM2. 2×5. 5	T6
C10M-STUCR/L09	10	9	150	6	12	184-04315	184-14315			
C10M-STUCR/L11	10	9	150	7	13	184-04320	184-14320	TC. . 1102	IM2. 5×6	T8
C12Q-STUCR/L11	12	11	180	8	15	184-04325	184-14325			
C16R-STUCR/L11	16	15	200	11	20	184-04330	184-14330	TC. . 16T3	IM4×10	T15
C20S-STUCR/L16	20	18	250	13	25	184-04335	184-14335			

90° 内孔、端面车刀（内冷 with coolant hole）

Clamping & tool style

For boring, facing

E-STUCR/L

Right hand shown: E20S-STUCR16

Left hand: E20S-STUCL16

Model	Basic dimensions					Order No.				
	d	h	L	F	Dmin	Right	Left			
E08K-STUCR/L09	8	7	125	5	10	194-04310	194-14310	TP. . 0902	IM2. 2×6	T6
E10M-STUCR/L09	10	9	150	6	12	194-04315	194-14315			
E10M-STUCR/L11	10	9	150	7	13	194-04320	194-14320	TC. . 1102	IM2. 5×6	T8
E12Q-STUCR/L11	12	11	180	8	15	194-04325	194-14325			
E16R-STUCR/L11	16	15	200	11	20	194-04330	194-14330	TC. . 16T3	IM4×10	T15
E20S-STUCR/L16	20	18	250	13	25	194-04335	194-14335			

Boring bar index

内孔车刀一览表

A52~A101

Inserts & spare parts

刀片及附件

C1~C20

Technical data

技术资料

D1~D21

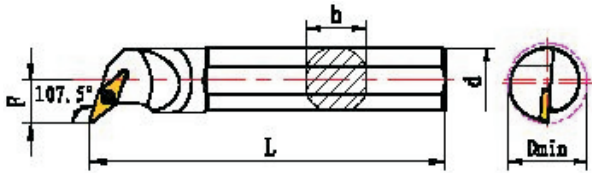
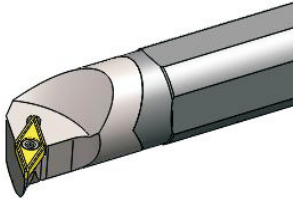
Screw lock style carbide boring bar (S style)

107.5° 内孔仿形车刀

Clamping & tool style

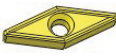
For boring, profiling

C-SVQCR/L



Right hand shown: C20S-SVQCR11

Left hand: C20S-SVQCL11

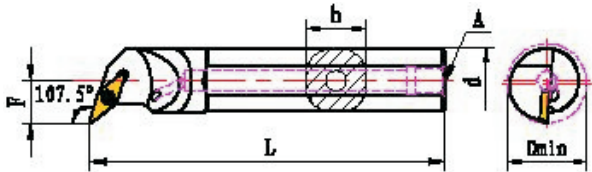
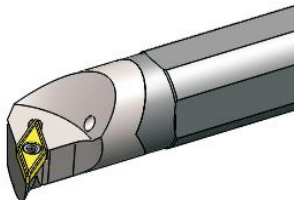
Model	Basic dimensions					Order No.				
	d	h	L	F	Dmin	Right	Left			
C16R-SVQCR/L11	16	15	200	11	20	184-03610	184-13610	VC. . 1103	IM2.5×7	T8
C20S-SVQCR/L11	20	18	250	13	25	184-03615	184-13615			

107.5° 内孔仿形车刀（内冷 with coolant hole）

Clamping & tool style

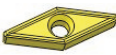
For boring, profiling

E-SVQCR/L



Right hand shown: E20S-SVQCR11

Left hand: E20S-SVQCL11

Model	Basic dimensions					Order No.				
	d	h	L	F	Dmin	Right	Left			
E16R-SVQCR/L11	16	15	200	11	20	194-03610	194-13610	VC. . 1103	IM2.5×7	T8
E20S-SVQCR/L11	20	18	250	13	25	194-03615	194-13615			

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

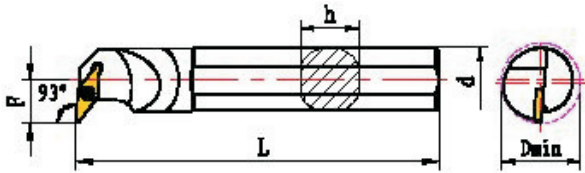
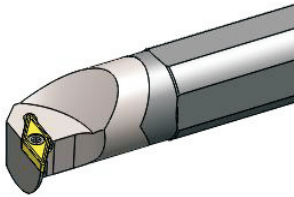
Screw lock style carbide boring bar (S style)

93° 内孔仿形车刀

Clamping & tool style

For boring, profiling

C-SVUBR/L



Right hand shown: C20S-SVUBR11

Left hand: C20S-SVUBL11

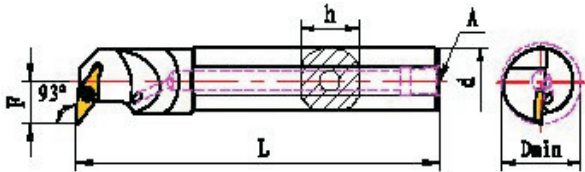
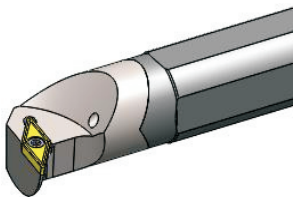
Model	Basic dimensions					Order No.				
	d	h	L	F	Dmin	Right	Left			
C16R-SVUCR/L11	16	15	200	11	20	184-04510	184-14510	VC..1103	IM2.5×7	T8
C20S-SVUCR/L11	20	18	250	13	25	184-04515	184-14515			

93° 内孔仿形车刀（内冷 with coolant hole）

Clamping & tool style

For boring, profiling

E-SVUCR/L



Right hand shown: E20S-SVUCR11

Left hand: E20S-SVUCL11

Model	Basic dimensions					Order No.				
	d	h	L	F	Dmin	Right	Left			
E16R-SVUCR/L11	16	15	200	11	20	194-04510	194-14510	VC..1103	IM2.5×7	T8
E20S-SVUCR/L11	20	18	250	13	25	194-04515	194-14515			

Boring bar index
内孔车刀一览表

A52~A101

Inserts & spare parts
刀片及附件

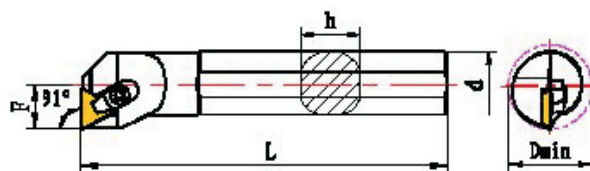
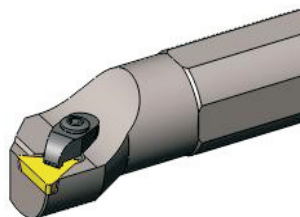
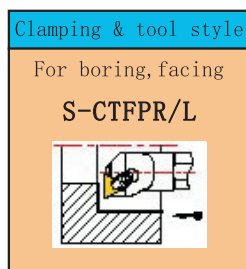
C1~C20

Technical data
技术资料

D1~D21

Clamp style boring bar(C style)

90° 内孔、端面车刀

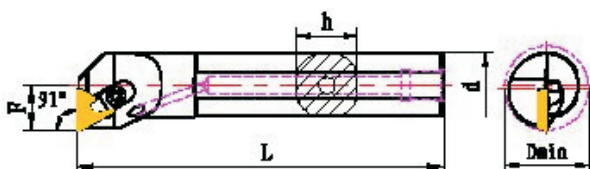
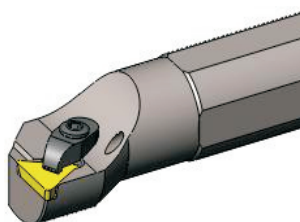
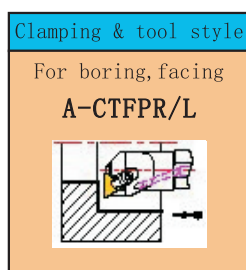


Right hand shown: S25S-CTFPR16

Left hand: S25S-CTFPL16

Model	Basic dimensions					Order No.		Insert	Shim	Shim screw	Clamp	Clamp screw	key
	d	h	L	F	Dmin	Right	Left						
S12M-CTFPR/L11	12	11	150	9	16	115-01305	115-11305	TP. . 1102. .	-	-	CTF-4	CTF-M4	S2. 5/E3
S16Q-CTFPR/L11	16	15	180	11	20	115-01310	115-11310						
S20R-CTFPR/L16	20	18	200	13	25	115-01315	115-11315						
S25S-CTFPR/L16	25	23	250	17	32	115-01320	115-11320						
S32T-CTFPR/L22	32	30	300	22	40	115-01325	115-11325	TP. . 2204. .	T22D	LYM0308	CL-20	XNS-0620	S2 S3
S40U-CTFPR/L22	40	37	350	27	50	115-01330	115-11330						

90° 内孔、端面车刀 (内冷 with coolant hole)



Right hand shown: A25S-CTFPR16

Left hand: A25S-CTFPL16

Model	Basic dimensions					Order No.		Insert	Shim	Shim screw	Clamp	Clamp screw	key
	d	h	L	F	Dmin	Right	Left						
A12M-CTFPR/L11	12	11	150	9	16	125-01305	125-11305	TP. . 1102. .	-	-	CTF-4	CTF-M4	S2. 5/E3
A16Q-CTFPR/L11	16	15	180	11	20	125-01310	125-11310						
A20R-CTFPR/L16	20	18	200	13	25	125-01315	125-11315						
A25S-CTFPR/L16	25	23	250	17	32	125-01320	125-11320						
A32T-CTFPR/L22	32	30	300	22	40	125-01325	125-11325	TP. . 2204. .	T22D	LYM0308	CL-20	XNS-0620	S2 S3
A40U-CTFPR/L22	40	37	350	27	50	125-01330	125-11330						

Boring head index
内切削头一览表

A102~A112

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

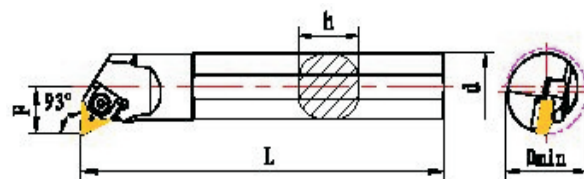
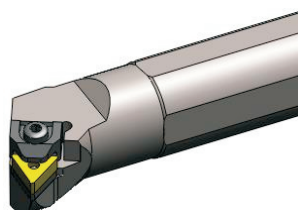
Wedge lock style boring bar(W style)

93° 内孔仿形车刀

Clamping & tool style

For boring, profiling

S-WTUNR/L

Right hand shown: S32T-WTUNR16

Left hand: S32T-WTUNL16

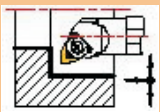
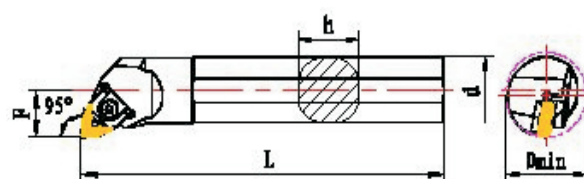
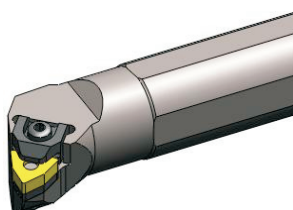
Model	Basic dimensions					Order No.		Insert	Shim	Lock pin	Clamp	Clamp screw	Clip	key
	d	h	L	F	Dmin	Right	Left							
S25S-WTUNR/L16	25	23	250	17	34	116-04310	116-14310	TN. . 1604. .	WST163	WSP36514	X1518	WTCW525	YB6512	S2.5 S4
S32T-WTUNR/L16	32	30	300	22	42	116-04315	116-14315							
S40U-WTUNR/L16	40	37	350	27	52	116-04320	116-14320							
S50V-WTUNR/L16	50	47	400	35	63	116-04325	116-14325							

95° 内孔、端面车刀车刀

Clamping & tool style

For boring, facing

S-WWLNRL/L

Right hand shown: S32T-WWLNRO8

Left hand: S32T-WWLNLO8

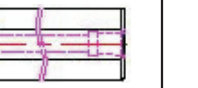
Model	Basic dimensions					Order No.		Insert	Shim	Lock pin	Clamp	Clamp screw	Clip	key
	d	h	L	F	Dmin	Right	Left							
S25S-WWLNRL/L08	25	23	250	17	34	116-03210	116-13210	WN. . 0804	WSW0804	WSP50617	WW08C	WTCW525	YB6512	S4
S32T-WWLNRL/L08	32	30	300	22	42	116-03215	116-13215							
S40U-WWLNRL/L08	40	37	350	27	52	116-03220	116-13220							
S50V-WWLNRL/L08	50	47	400	35	63	116-03225	116-13225							

Boring head index
内切削头一览表 **A102~A112**

Inserts & spare parts
刀片及附件 **C1~C20**

Technical data
技术资料 **D1~D21**

AC Interchangeable Internal Turning Tool Head Index

Kr:	95°		93°		90°	62.5°	107.5°	117.5°	Special
Insert	CN/CC 	WN 	DN/DC 	DN/DC 	TN/TC 	DN/DC 	DN 	VC 	
Tool style or lead angle	L 	L 	U 	U..X 	F 	P 	Q 	O 	
new T Double clamp	 TCLNR/L	 TWLNR/L	 TDUNR/L		 TTFNR/L	 TDPNR/L	 TDQNR/L		
Page	A103	A105	A104		A105	A103	A104		
P Pin only	 PCLNR/L		 PDUNR/L						
Page	A106		A106						
S Screw on	 SCLCR/L		 SDUCR/L	 SDUCR/L..X	 STFCR/L	 SDPCR/L		 SVOCR/L	 SIR/L
Page	A107		A108	A108	A109	A107		A109	A111
Special									 MGIVR/L
Page									A110
Shank									
Page								A112	

Boring head index

内切削头一览表

A102~A112

Inserts & spare parts

刀片及附件

C1~C20

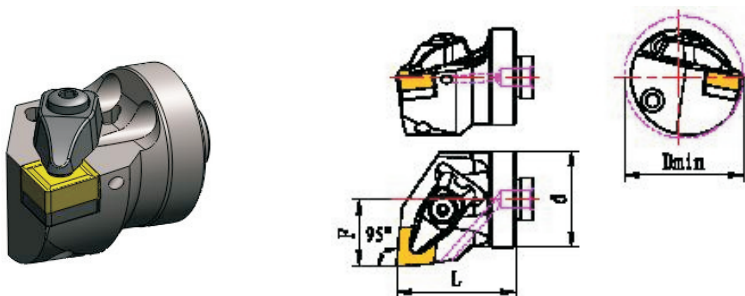
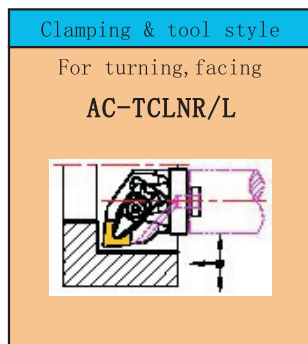
Technical data

技术资料

D1~D21

AC Interchangeable internal turning tool head(T style)

95° 内孔、端面切削头（内冷 with coolant hole）

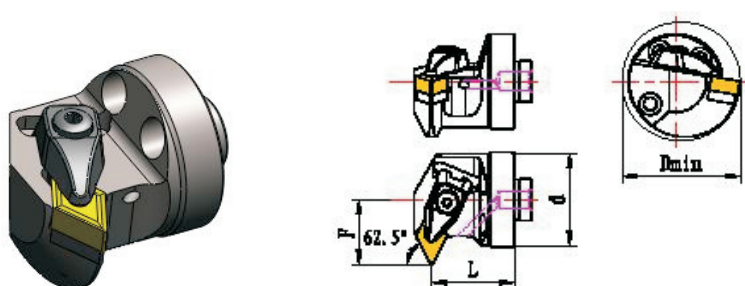
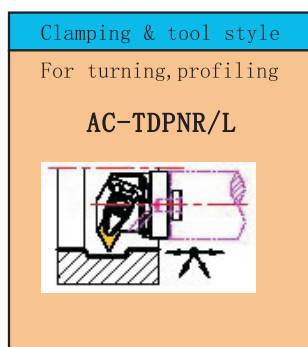


Right hand shown: AC32-TCLNR12

Left hand: AC32-TCLNL12

Model	Basic dimensions				Order No.								
	d	L	F	Dmin	Right	Left	Insert	Shim	Shim screw	Clamp	Clamp screw	Spring	Key
AC32-TCLNR/L12	32	40	22	40	161-03010	161-13010	CN. . 1204. .	C1203B	LYM0610	TP-2	MS5023	YB6512	S3
AC40-TCLNR/L12	40	40	27	50	161-03015	161-13015							
AC50-TCLNR/L12	50	40	35	63	161-03020	161-13020							

62.5° 内孔仿形切削头（内冷 with coolant hole）



Right hand shown: AC32-TDPNR11

Left hand: AC32-TDPNL11

Model	Basic dimensions				Order No.								
	d	L	F	Dmin	Right	Left	Insert	Shim	Shim screw	Clamp	Clamp screw	Spring	Key
AC32-TDPNR/L11	32	28	22	40	161-03410	161-13410	DN. . 1104. .	D1103B	LYM0508	TP-1	MS4022	YB5512	S3
AC40-TDPNR/L15	40	32	27	50	161-03415	161-13415							
AC50-TDPNR/L15	50	32	35	63	161-03420	161-13420							

Boring head index
内切削头一览表

A102~A112

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

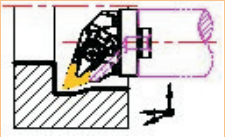
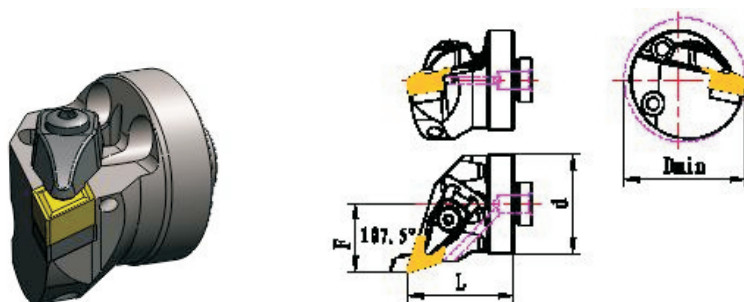
AC Interchangeable internal turning tool head(T style)

107.5° 内孔仿形切削头（内冷 with coolant hole）

Clamping & tool style

For turning, profiling

AC-TDQNR/L

Right hand shown: AC32-TDQNR11

Left hand: AC32-TDQNL11

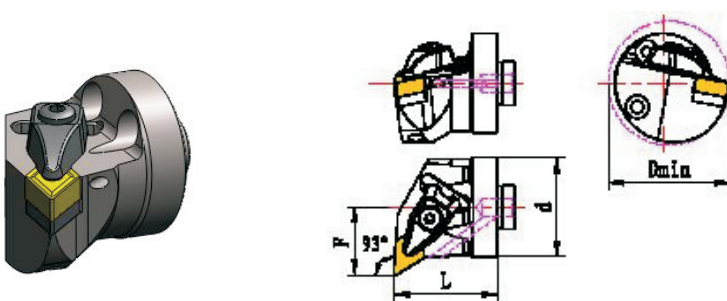
Model	Basic dimensions				Order No.								
	d	L	F	Dmin	Right	Left	Insert	Shim	Shim screw	Clamp	Clamp screw	Spring	Key
AC32-TDQNR/L11	32	35	22	40	161-03510	161-13510	DN. . 1104. .	D1103B	LYM0508	TP-1	MS4022	YB5512	S3
AC40-TDQNR/L15	40	40	27	50	161-03515	161-13515							
AC50-TDQNR/L15	50	40	35	63	161-03520	161-13520							

93° 内孔仿形切削头（内冷 with coolant hole）

Clamping & tool style

For turning, profiling

AC-TDUNR/L

Right hand shown: AC32-TDUNR11

Left hand: AC32-TDUNL11

Model	Basic dimensions				Order No.								
	d	L	F	Dmin	Right	Left	Insert	Shim	Shim screw	Clamp	Clamp screw	Spring	Key
AC32-TDUNR/L11	32	35	22	40	161-04210	161-14210	DN. . 1104. .	D1103B	LYM0508	TP-1	MS4022	YB5512	S3
AC40-TDUNR/L15	40	40	27	50	161-04215	161-14215							
AC50-TDUNR/L15	50	40	35	63	161-04220	161-14220							

Boring head index

内切削头一览表

A102~A112

Inserts & spare parts

刀片及附件

C1~C20

Technical data

技术资料

D1~D21

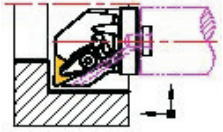
AC Interchangeable internal turning tool head(T style)

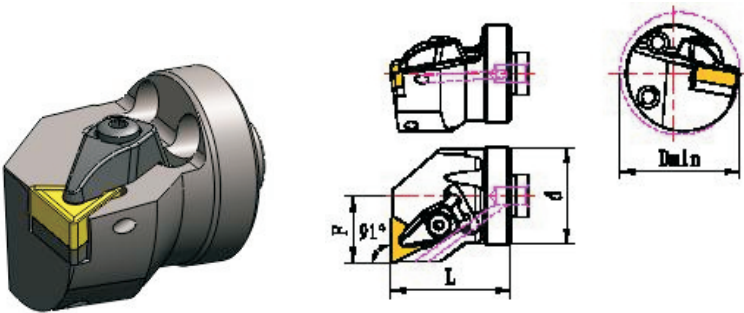
90° 内孔、端面切削头（内冷 with coolant hole with coolant hole）

Clamping & tool style

For turning, profiling

AC-TTFNR/L





Right hand shown: AC32-TTFNR16

Left hand: AC32-TTFNL16

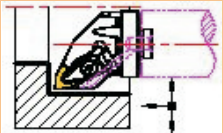
Model	Basic dimensions				Order No.								
	d	L	F	Dmin	Right	Left	Insert	Shim	Shim screw	Clamp	Clamp screw	Spring	Key
AC32-TTFNR/L16	32	40	22	40	161-01310	161-11310	TN..1604..	T1603B	LYM0508	TP-1	MS4022	YB5512	S3
AC40-TTFNR/L16	40	40	27	50	161-01315	161-11315							
AC50-TTFNR/L16	50	40	35	63	161-01320	161-11320							

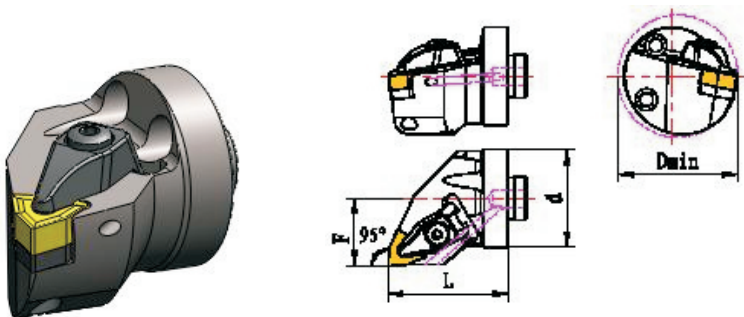
95° 内孔、端面切削头（内冷 with coolant hole with coolant hole）

Clamping & tool style

For turning, facing

AC-TWLNRL/L





Right hand shown: AC32-TWLNRL06

Left hand: AC32-TWLNRL06

Model	Basic dimensions				Order No.								
	d	L	F	Dmin	Right	Left	Insert	Shim	Shim screw	Clamp	Clamp screw	Spring	Key
AC32-TWLNRL/L06	32	40	22	40	161-03210	161-13210	WN..0604..	W0603B	LYM0508	TP-1	MS4022	YB5512	S3
AC40-TWLNRL/L06	40	40	27	50	161-03215	161-13215							
AC50-TWLNRL/L06	50	40	35	63	161-03220	161-13220							

Boring head index
内切削头一览表
A102~A112

Inserts & spare parts
刀片及附件
C1~C20

Technical data
技术资料
D1~D21

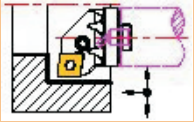
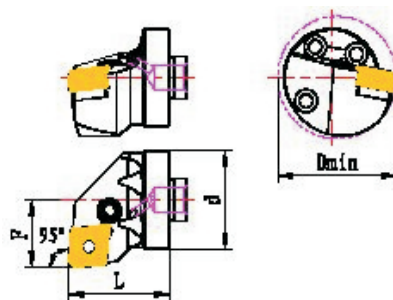
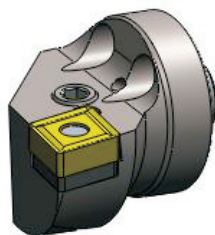
AC Interchangeable internal turning tool head(P style)

95° 内孔、端面切削头（内冷 with coolant hole）

Clamping & tool style

For turning, facing

AC-PCLNR/L

Right hand shown: AC32-PCLNR12

Left hand: AC32-PCLNL12

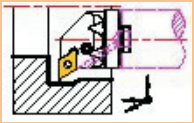
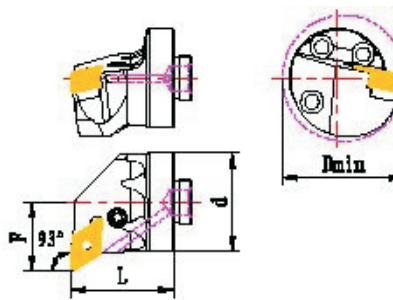
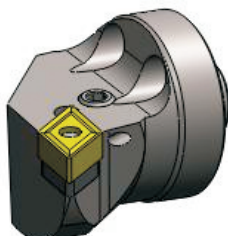
Model	Basic dimensions				Order No.		Insert	Shim	shim pin	Lever	Screw	Key
	d	L	F	Dmin	Right	Left						
AC32-PCLNR/L12	32	35	22	40	163-03010	163-13010	CN. . 1204. .	C12A	GH0607	G0514	GL0822	S4
AC40-PCLNR/L12	40	35	27	50	163-03015	163-13015						
AC50-PCLNR/L12	50	38	35	63	163-03020	163-13020						
AC50-PCLNR/L16	50	40	35	63	163-03025	163-13025	CN. . 1606. .	C16A	GH0709	G0616	GL0826	S4

93° 内孔仿形切削头（内冷 with coolant hole）

Clamping & tool style

For turning, profiling

AC-PDUNR/L

Right hand shown: AC32-PDUNR11

Left hand: AC32-PDUNL11

Model	Basic dimensions				Order No.		Insert	Shim	Spring	Lever	Screw	Key
	d	L	F	Dmin	Right	Left						
AC32-PDUNR/L11	32	35	22	40	163-04210	163-14210	DN. . 1104. .	D11A	GH0405	G0314	GL0617	S3
AC40-PDUNR/L15	40	40	27	50	163-04215	163-14215						
AC50-PDUNR/L15	50	40	35	63	163-04220	163-14220						

Boring head index
内切削头一览表

A102~A112

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

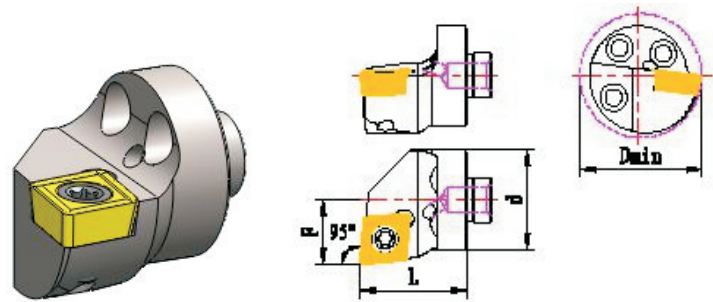
AC Interchangeable internal turning tool head(S style)

95° 内孔、端面切削头（内冷 with coolant hole）

Clamping & tool style

For boring, facing

AC-SCLCR/L



Right hand shown: AC20-SCLCR09

Left hand: AC20-SCLCL09

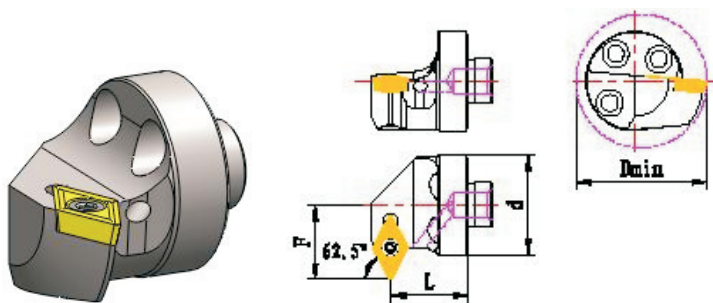
Model	Basic dimensions				Order No.		 Insert	 Screw	 Key
	d	L	F	Dmin	Right	Left			
AC16-SCLCR/L06	16	19	11	20	164-03010	164-13010	CC..0602..	IM2.5×6	T8
AC20-SCLCR/L09	20	22	13	25	164-03015	164-13015			
AC25-SCLCR/L09	25	25	17	32	164-03020	164-13020	CC..09T3..	IM4×10	T15
AC25-SCLCR/L12	25	32	17	32	164-03025	164-13025			
AC32-SCLCR/L12	32	32	22	40	164-03030	164-13030	CC..1204..	IM5×12	T20

62.5° 内孔仿形切削头（内冷 with coolant hole）

Clamping & tool style

For boring, profiling

AC-SDPCR/L



Right hand shown: AC20-SDPCR07-E

Left hand: AC20-SDPCL07-E

Model	Basic dimensions				Order No.		 Insert	 Screw	 Key
	d	L	F	Dmin	Right	Left			
AC16-SDPCR/L07-E	16	16	13	22	164-03410	164-13410	DC..0702..	IM2.5×6	T8
AC20-SDPCR/L07-E	20	16	15	27	164-03415	164-13415			
AC25-SDPCR/L07-D	25	19	18	33	164-03420	164-13420	DC..11T3..	IM4×10	T15
AC32-SDPCR/L11	32	25	22	40	164-03425	164-13425			
AC40-SDPCR/L11	40	25	27	50	164-03430	164-13430			

Boring head index
内切削头一览表

A102~A112

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

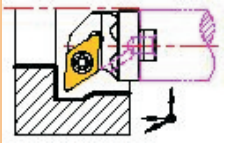
AC Interchangeable internal turning tool head(S style)

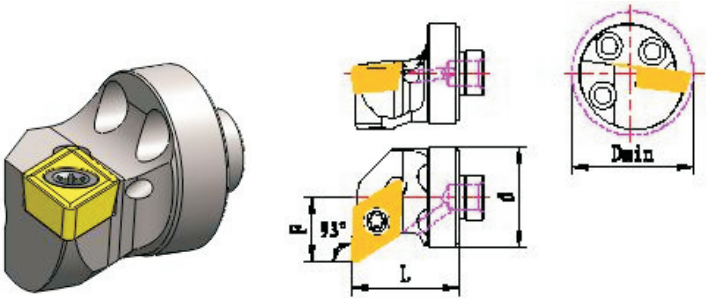
93° 内孔仿形切削头（内冷 with coolant hole）

Clamping & tool style

For boring, profiling

AC-SCUCR/L





Right hand shown: AC20-SDUCR11

Left代号: AC20-SDUCL11

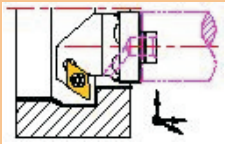
Model	Basic dimensions				Order No.		 Insert	 Screw	 Key
	d	L	F	Dmin	Right	Left			
AC16-SDUCR/L07	16	19	11	20	164-04210	164-14210	DC..0702..	IM2.5×6	T8
AC20-SDUCR/L11	20	22	13	25	164-04215	164-14215			
AC25-SDUCR/L11	25	25	17	32	164-04220	164-14220			
AC32-SDUCR/L11	32	28	22	40	164-04225	164-14225			
AC40-SDUCR/L11	40	32	27	50	164-04230	164-14230			

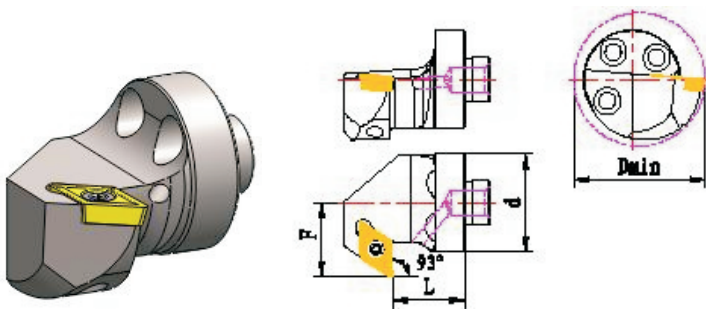
93° 内孔仿形背镗切削头（内冷with coolant hole）

Clamping & tool style

For boring, profiling

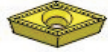
AC-SCUCR/L..X





Right hand shown: AC16-SDUCR07-EX

Left代号: AC16-SDUCL07-EX

Model	Basic dimensions				Order No.		 Insert	 Screw	 Key
	d	L	F	Dmin	Right	Left			
AC16-SDUCR/L07-EX	16	16	13	22	164-05010	164-15010	DC..0702..	IM2.5×6	T8
AC20-SDUCR/L07-EX	20	16	15	27	164-05015	164-15015			
AC25-SDUCR/L07-DX	25	16	18	33	164-05020	164-15020			
AC32-SDUCR/L11-X	32	22	22	40	164-05025	164-15025	DC..11T3..	IM4×10	T15
AC40-SDUCR/L11-X	40	22	27	50	164-05030	164-15030			

Boring head index
内切削头一览表

A102~A112

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

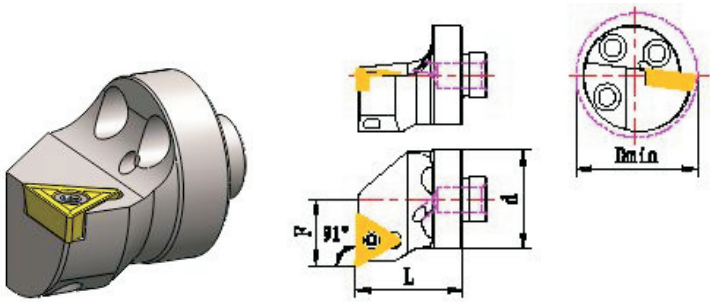
AC Interchangeable internal turning tool head(S style)

90° 内孔、端面切削头（内冷 with coolant hole）

Clamping & tool style

For turning, facing

AC-STFCR/L



Right hand shown: AC20-STFCR11
Left代号: AC20-STFCL11

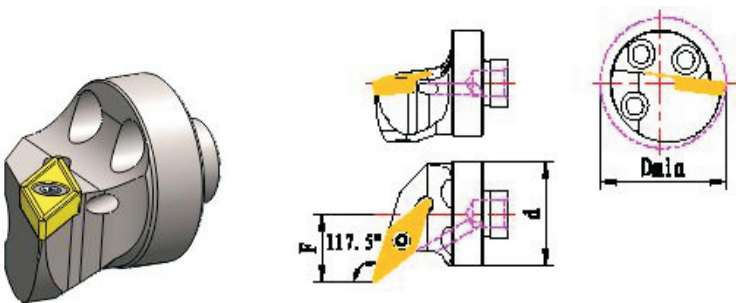
Model	Basic dimensions				Order No.				
	d	L	F	Dmin	Right	Left	Insert	Screw	扳手
AC16-STFCR/L11	16	22	11	20	164-01310	164-11310	TC..1103..	IM2.5×7	T8
AC20-STFCR/L11	20	22	13	25	164-01315	164-11315			
AC25-STFCR/L11	25	25	17	32	164-01320	164-11320			
AC32-STFCR/L16	32	32	22	40	164-01325	164-11325	TC..16T3..	IM4×10	T15
AC40-STFCR/L16	40	32	27	50	164-01330	164-11330			

117.5° 内孔仿形切削头（内冷 with coolant hole）

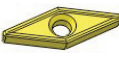
Clamping & tool style

For boring, profiling

AC-SVOCR/L



Right hand shown: AC20-SVOBR11
Left代号: AC20-SVOBL11

Model	Basic dimensions				Order No.				
	d	L	F	Dmin	Right	Left	Insert	Screw	Key
AC20-SVOCR/L11	20	22	13	25	164-04910	164-14910	VB..1102..	IM2.5×6	T8
AC25-SVOCR/L11	25	22	17	32	164-04915	164-14915			
AC32-SVOCR/L16	32	32	22	40	164-04920	164-14920	VB..1604..	IM4×10	T15
AC40-SVOCR/L16	40	32	27	50	164-04925	164-14925			

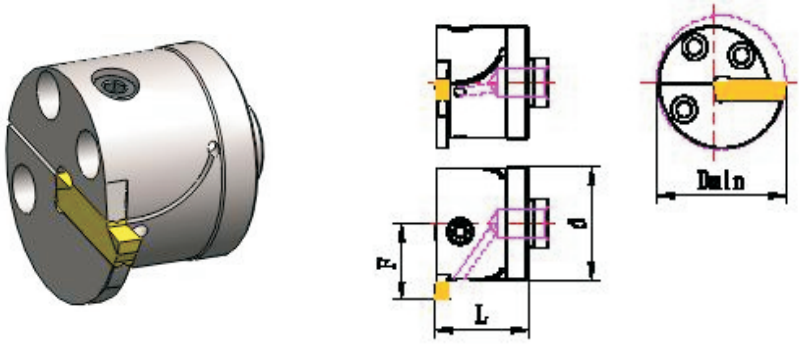
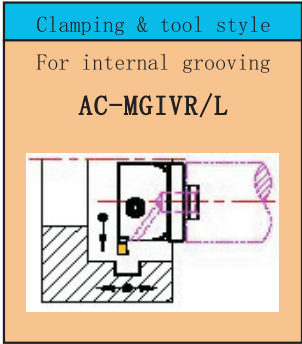
Boring head index
内切削头一览表 **A102~A112**

Inserts & spare parts
刀片及附件 **C1~C20**

Technical data
技术资料 **D1~D21**

AC Interchangeable internal turning tool head

AC. -MGEHR/L.



Right hand shown: AC32-MGIVR030

Left hand: AC32-MGIVL030

Model	Basic dimensions				Order No.				
	d	L	F	Dmin	Right	Left			
AC25-MGIVR/L020	25	25	17.2	30	263-02010	263-12010	MGMW200	M4×16	S3
AC32-MGIVR/L020	32	28	20.5	37	263-02015	263-12015		M4×20	S3
AC25-MGIVR/L025	25	25	18.9	32	263-02020	263-12020	MGMW250	M4×16	S3
AC32-MGIVR/L025	32	28	21.5	38	263-02025	263-12025		M4×20	S3
AC25-MGIVR/L030	25	25	18.9	32	263-02030	263-12030	MGMW300	M4×16	S3
AC32-MGIVR/L030	32	28	21.5	38	263-02035	263-12035		M4×20	S3
AC40-MGIVR/L030	40	32	25.5	46	263-02040	263-12040		M5×20	S4
AC25-MGIVR/L040	25	25	18.9	32	263-02045	263-12045	MGMW400	M4×16	S3
AC32-MGIVR/L040	32	28	21.5	38	263-02050	263-12050		M4×20	S3
AC40-MGIVR/L040	40	32	25.5	46	263-02055	263-12055		M5×20	S4
AC32-MGIVR/L050	32	28	23.5	40	263-02060	263-12060	MGMW500	M4×20	S3
AC40-MGIVR/L050	40	32	27.5	48	263-02065	263-12065		M5×20	S4

◆推荐切削条件 Recommended Cutting Data

被加工材料	切削速度 (m/min)			刃宽 (mm)			
	涂层硬质合金	硬质合金	硬质合金	2~2.5	3	4	5
	WP510	WM310	WK110	进给量 (mm/刃)			
碳钢 125≤HB≤170	80~180	60~130		0.04~0.12	0.04~0.12	0.05~0.15	0.07~0.25
合金钢 180≤HB≤275	70~150	60~130		0.04~0.12	0.04~0.12	0.05~0.15	0.07~0.25
不锈钢 180≤HB≤300	60~140	50~120		0.04~0.1	0.04~0.1	0.05~0.12	0.07~0.2
铸铁 180≤HB≤220			80~140	0.05~0.12	0.05~0.12	0.06~0.15	0.08~0.25
铝合金 125≤HB≤170			160~360	0.05~0.1	0.05~0.12	0.05~0.12	0.05~0.2

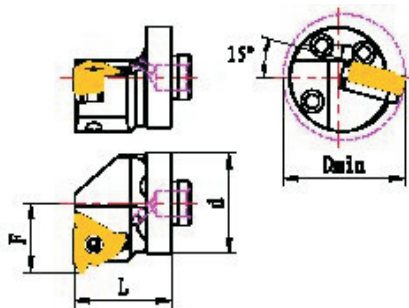
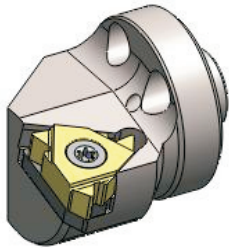
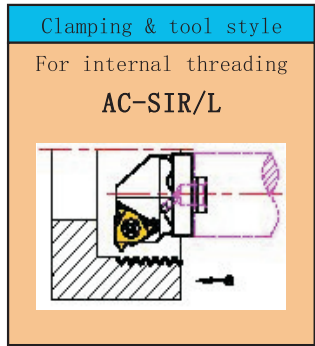
★ 切削用量适用于湿式加工。

内圆切削和端面切削，切削速度降低30%~40%。



AC Interchangeable internal turning tool head

AC. -SIR/L.



Right hand shown: AC32-SIR16

Left hand: AC32-SIL16

Model	Basic dimensions				Order No.						
	d	L	F	Dmin	Right	Left					
AC16-SIR/L11	16	22	13	22	361-02010	361-12010	11NR/L. .	I60M2.5×7	-	-	T8
AC20-SIR/L11	20	22	14	26	361-02015	361-12015					
AC25-SIR/L16	25	28	17	32	361-02020	361-12020					
AC32-SIR/L16	32	30	22	40	361-02025	361-12025					
AC40-SIR/L16	40	32	27	50	361-02030	361-12030					
AC50-SIR/L16	50	40	35	63	361-02035	361-12035	16NR/L. .	I60M3.5×10	LT16L/R	SDN535	T15+S3.5
AC60-SIR/L16	60	40	43	80	361-02040	361-12040					
AC25-SIR/L22	25	30	17	32	361-02045	361-12045					
AC32-SIR/L22	32	32	22	40	361-02050	361-12050					
AC40-SIR/L22	40	35	27	50	361-02055	361-12055					
AC50-SIR/L22	50	40	35	63	361-02060	361-12060	22NR/L. .	I60M4×12	LT22L/R	SDN640	T15+S4
AC60-SIR/L22	60	40	43	80	361-02065	361-12065					

★ Shim有三个角，每个角适用于不同的螺距。

平装螺纹刀片（ER/L、/NR/L）配装Shim，其三个刀尖的形状和尺寸有所不同（如下图），各个刀尖适用的螺距范围也不相同，刀尖的选择参照下表（括号内的为次选方案）：

Shim model	Corner rang		
	Corner①	Corner②	Corner③
LT16R/L	0.5~1.5ISO、A60	1.75~2.5	2.5~3.0ISO、AG60、G60
	32~18UN	16~10UN	9~8UN
LT22R/L	3.0ISO	3.5~4.0(4.5~6.0)ISO	(3.5~4.0)4.5~6.0ISO、N60
	(7~5) UN	7~6 (5) UN	(7~6) 5UN



Boring head index
内切削头一览表

A102~A112

Inserts & spare parts
刀片及附件

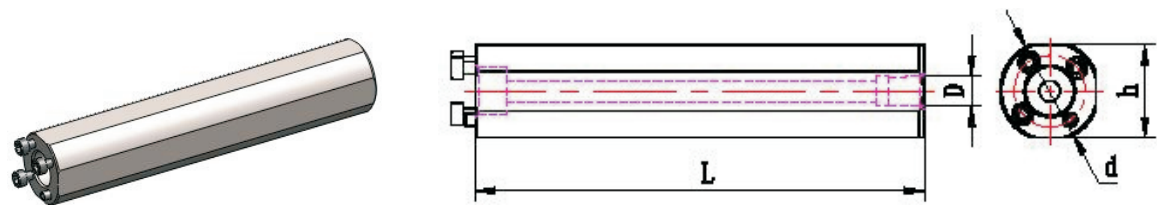
C1~C20

Technical data
技术资料

D1~D21

Cylindrical shank to AC interchangeable internal turning tool head

AC 镗刀杆 (AC Shank)



Model	Basic dimensions				Order No.				
	d	h	L	D	Right	Left	螺钉 (GB70-85)	螺纹圆柱销	Key
AC16-125. 16	16	15	125	G1/8	100-00110	100-10110	M3×12	3×10	S2. 5
AC16-150. 16			150		100-00115	100-10115			
AC20-150. 20	20	18	150	G1/8	100-00120	100-10120	M3×12	3×10	S2. 5
AC20-180. 20			180		100-00125	100-10125			
AC25-180. 25	25	23	180	G1/4	100-00130	100-10130	M3×12	4×12	S2. 5
AC25-220. 25			220		100-00135	100-10135			
AC32-220. 32	32	30	220	G1/4	100-00140	100-10140	M4×12	5×14	S3
AC32-270. 32			270		100-00145	100-10145			
AC40-270. 40	40	37	270	G3/8	100-00150	100-10150	M5×16	6×18	S4
AC40-320. 40			320		100-00155	100-10155			
AC50-320. 50	50	47	320	G1/2	100-00160	100-10160	M5×16	6×18	S4
AC50-400. 50			400		100-00165	100-10165			

Boring head index
内切削头一览表

A102~A112

Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

切槽切断车刀目录(公制)
Parting & Grooving Tools contents(Metric)

TKEHR/L External Parting & Grooving Toolholders.....A114

QA..R/L External Parting & Grooving Toolholders.....A116

SLTHR/L Self-Lock External Parting & Grooving Toolholders.....A117

TGEHR/L External Shallow Grooving Toolholders.....A118

TGEHR/L..F External Shallow Grooving Toolholders.....A118

S-TGIVR/L Grooving Boring Bars.....A119

A-TGIVR/L Grooving Boring Bars-Coolant Through.....A119

MGEHR/L External Parting & Grooving Toolholders.....A121

MGFHR/L Face Grooving Toolholders.....A122

MGFVR/L Face Grooving Toolholders.....A123

A-MGIVR/L Grooving Boring Bars.....A124

SLTBN Blocks.....A125

BQED Blocks.....A125

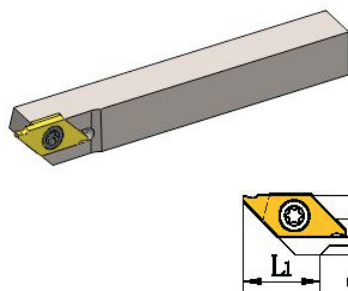
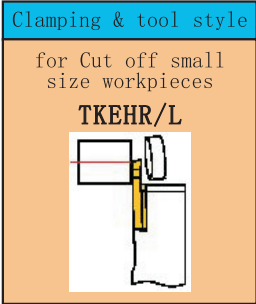
QED Blades.....A126

QES Blades.....A126

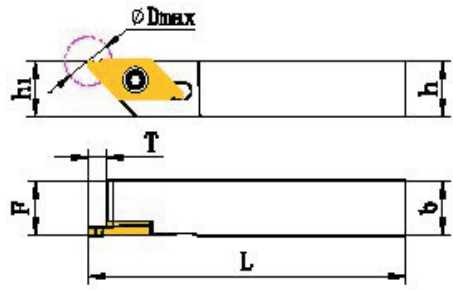
NCIH Blades.....A127

External Parting & Grooving Toolholders

TKEHR/L External Parting & Grooving Toolholders



TKEHR/L1010 shown



Right hand shown:TKEHR1212H12

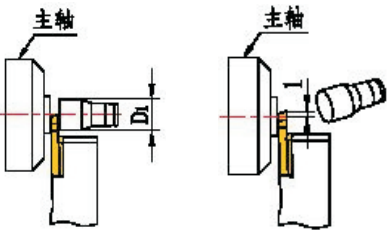
Left hand:TKEHL1212H12

Model	Basic dimensions(mm)							Order No.				
	h=h1	b	F	L	L1	T	Dmax.	Right	Left	Insert	Screw	key
TKEHR/L1010F12	10	10	10	80	15	6	12	214-05010	214-15010	TKF12R/L	I60M4×9	T15
TKEHR/L1010K12				125				214-05015	214-15015			
TKEHR/L1212H12	12	12	12	100	—			214-05020	214-15020			
TKEHR/L1212M12				150				214-05025	214-15025			
TKEHR/L1616M12	16	16	16	150				214-05030	214-15030			
TKEHR/L1010F16	10	10	10	80	20	8	16	214-05035	214-15035	TKF16R/L	I60M4×9	T15
TKEHR/L1010K16				125				214-05040	214-15040			
TKEHR/L1212H16	12	12	12	100	—			214-05045	214-15045			
TKEHR/L1212M16				150				214-05050	214-15050			
TKEHR/L1616M16	16	16	16	150				214-05055	214-15055			

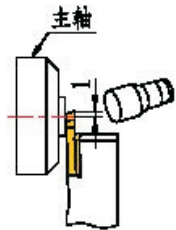
★ 尺寸T:表示刀杆到刀尖的距离,-12型刀片不同槽宽的切深不同,-12型刀杆的实际加工直径也有所不同。

● 仅使用主轴夹持工件の場合

切断侧的最大加工直径D1(图一), $D1=D_{max}$.
加工时如图二, 刀尖超越中心时, 因为工件会掉落, 刀片和工件不会发生干涉。



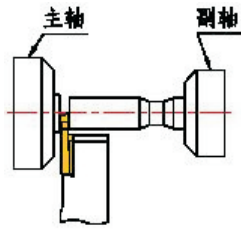
图一
(刀尖位于中心)



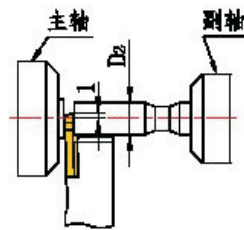
图二
(刀尖超出中心1mm)

● 主轴和副轴同时夹持工件の場合

在此场合即使刀尖到达工件中心工件也不会掉落, 越过中心的刀尖继续进刀的话会与工件发生干涉, 所以最大加工直径要减小。
示例: 图四, 程序上设定刀尖从工件中心进刀1mm的话, 切断侧的工件最大加工直径 $D2 = (D_{max} - 1mm \times 2)$ (mm)



图三
(刀尖位于中心)



图四
(刀尖超出中心1mm)

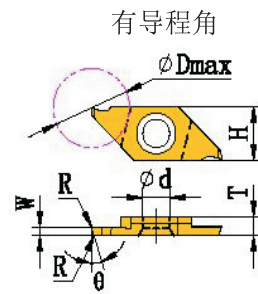
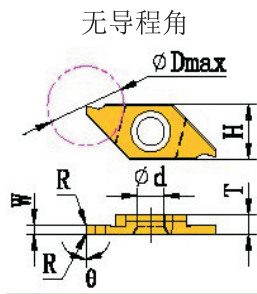
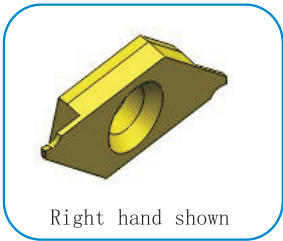
threading tools index
螺纹车刀目录 **A113~A127**

Inserts & spare parts
刀片及附件 **C1~C20**

Technical data
技术资料 **D1~D21**

External Parting & Grooving Toolholders

TKF Inserts



Model		Grade		Order No.		Basic dimensions (mm)						
Right	Left	WK10	WM25	Right	Left	H	T	d	W	R	θ	Dmax.
TKF12R050-S	TKF12L050-S	○	●	822-70002	822-80002	8.7	3	5	0.5	0.03	0°	5
TKF12R070-S	TKF12L070-S	○	●	822-70004	822-80004				0.7			8
TKF12R100-S	TKF12L100-S	○	●	822-70006	822-80006				1.0			12
TKF12R150-S	TKF12L150-S	○	●	822-70008	822-80008				1.5			
TKF12R200-S	TKF12L200-S	○	●	822-70010	822-80010				2.0			
TKF12R050-S16R	TKF12L050-S16L	○	●	822-70012	822-80012	8.7	3	5	0.5	0.05	16°	5
TKF12R070-S16R	TKF12L070-S16L	○	●	822-70014	822-80014				0.7			8
TKF12R100-S16R	TKF12L100-S16L	○	●	822-70016	822-80016				1.0			12
TKF12R150-S16R	TKF12L150-S16L	○	●	822-70018	822-80018				1.5			
TKF12R200-S16R	TKF12L200-S16L	○	●	822-70020	822-80020				2.0			
TKF16R100-S	TKF16L100-S	○	●	822-70022	822-80022	9.5	4	5	1.0	0.05	0°	16
TKF16R150-S	TKF16L150-S	○	●	822-70024	822-80024				1.5			
TKF16R200-S	TKF16L200-S	○	●	822-70026	822-80026				2.0			
TKF16R250-S	TKF16L250-S	○	●	822-70028	822-80028				2.5			
TKF16R300-S	TKF16L300-S	○	●	822-70030	822-80030				3.0			
TKF16R100-S16R	TKF16L100-S16L	○	●	822-70032	822-80032	9.5	4	5	1.0	0.05	16°	16
TKF16R150-S16R	TKF16L150-S16L	○	●	822-70034	822-80034				1.5			
TKF16R200-S16R	TKF16L200-S16L	○	●	822-70036	822-80036				2.0			
TKF16R250-S16R	TKF16L250-S16L	○	●	822-70038	822-80038				2.5			
TKF16R300-S16R	TKF16L300-S16L	○	●	822-70040	822-80040				3.0			

★ 导程角 θ 为刀片安装在刀杆上面后的工作角度

◆ 推荐切削条件 Recommended Cutting Data

被加工材料 Workpiece material	Cutting speed(m/min)		TKF12 Width(mm)				TKF16 Width(mm)		
	Coated carbide	carbide	0.5	0.7	1.0~2.0	Cutting mode	1.0	1.5~3.0	Cutting mode
	WM125	WK110	进给量fn(mm/rev)				进给量fn(mm/rev)		
Carbon Steel	60~110		0.01~0.02	0.01~0.03	0.01~0.04	Water soluble	0.02~0.06	0.02~0.07	Water soluble
Alloy steel	60~110		0.01~0.02	0.01~0.03	0.01~0.04		0.02~0.06	0.02~0.07	
Stainless steel	50~90		0.005~0.015	0.01~0.02	0.01~0.02		0.01~0.03	0.01~0.04	
Cast iron		50~90	0.01~0.03	0.01~0.04	0.01~0.05		0.02~0.07	0.02~0.08	
Aluminum		160~360	0.01~0.03	0.01~0.04	0.01~0.05		0.02~0.07	0.02~0.08	
Copper		80~160	0.01~0.03	0.01~0.04	0.01~0.06		0.02~0.08	0.02~0.1	

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Inserts & spare parts
刀片及附件 **C1~C20**

Technical data
技术资料 **D1~D21**

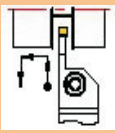
Parting & Grooving Tools

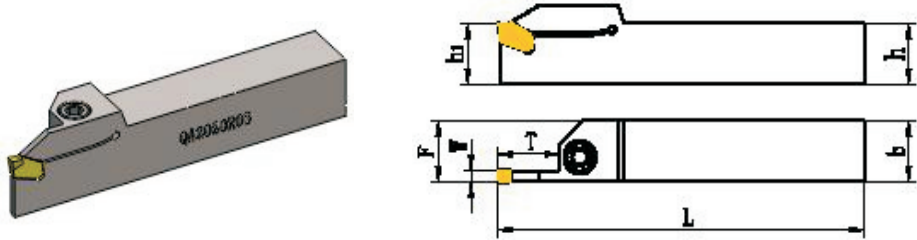
QA..R/L External Parting & Grooving Toolholders

Clamping & tool style

for external parting
& grooving

QA..R/L

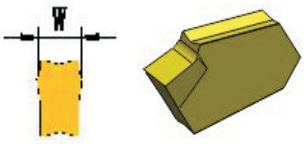




Right hand shown:QA2020R03

Left hand:QA2020L03

Model	Basic dimensions(mm)							Order No.					
	h=h1	b	F	L	W	T	Dmax.	Right	Left	Insert	Screw	key	
QA1212R/L02	12	12	12.2	100	2	15	30	213-01010	213-11010	GTN-2	M4×12	S3	
QA1616R/L02	16	16	16.2	100				213-01015	213-11015		M5×16	S4	
QA2020R/L02	20	20	20.2	125				213-01020	213-11020		M6×20	S5	
QA1616R/L03	16	16	16.3	100	3	20	40	213-01025	213-11025	GTN-3	M5×16	S4	
QA2020R/L03	20	20	20.3	125				213-01030	213-11030		M6×20	S5	
QA2525R/L03	25	25	25.3	150				213-01035	213-11035				
QA3225R/L03	32	25	25.3	170		213-01040	213-11040						
QA2020R/L04	20	20	20.4	125	4	20	40	213-01045	213-11045	GTN-4			
QA2525R/L04	25	25	25.4	150				213-01050	213-11050				
QA3225R/L04	32	25	25.4	170				213-01055	213-11055				
QA2020R/L05	20	20	20.4	125	5	25	50	213-01060	213-11060	GTN-5			
QA2525R/L05	25	25	25.4	150				213-01065	213-11065				
QA3225R/L05	32	25	25.4	170				213-01070	213-11070				
QA2525R/L06	25	25	25.4	150	6	32	64	213-01075	213-11075	GTN-6			
QA3225R/L06	32	25	25.4	170				213-01080	213-11080				



Insert	Width mm	Order No. Tin
GTN-2	2.2	817-70010
GTN-3	3.1	817-70012
GTN-4	4.1	817-70014
GTN-5	5.1	817-70016
GTN-6	6.4	817-70018

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Inserts & spare parts
刀片及附件

C1~C20

Technical data
技术资料

D1~D21

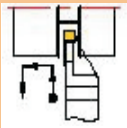
Parting & Grooving Tools

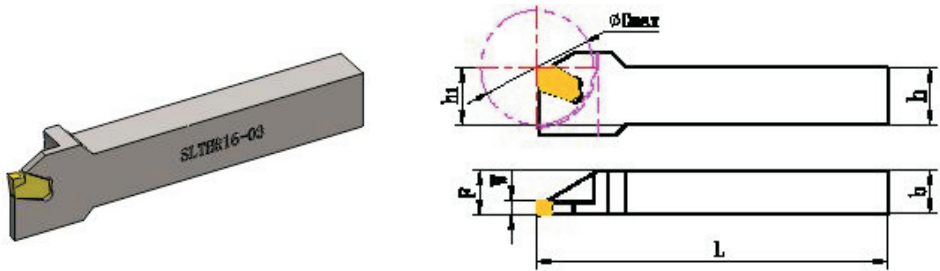
SLTHR/L Self-Lock External Parting & Grooving Toolholders

Clamping & tool style

for external parting
& grooving

SLTHR/L





Right hand shown:SLTHR16-03

Left hand:SLTHL16-03

Model	Basic dimensions(mm)						Order No.			
	h=h1	b	F	L	W	Dmax.	Right	Left	Insert	key
SLTHR/L10-02	10	9.5	9.7	86	2	28	211-01010	211-11010	GTN-2	CT001
SLTHR/L12-02	12	10	10.2	110		30	211-01015	211-11015		
SLTHR/L16-02	16	10	10.2	110			211-01020	211-11020		
SLTHR/L20-02	20	12	12.2	110		32	211-01025	211-11025		
SLTHR/L12-03	12	10	10.4	110	3	32	211-01030	211-11030	GTN-3	
SLTHR/L16-03	16	12	12.4	110			211-01035	211-11035		
SLTHR/L20-03	20	12	12.4	110		36	211-01040	211-11040		
SLTHR/L16-04	16	12	12.4	110	4	34	211-01045	211-11045	GTN-4	
SLTHR/L20-04	20	12	12.4	110		40	211-01050	211-11050		
SLTHR/L20-05	20	12	12.4	110	5	40	211-01055	211-11055	GTN-5	

threading tools index
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A113~A127

Inserts & spare parts
刀片及附件



C1~C20

Technical data
技术资料



D1~D21

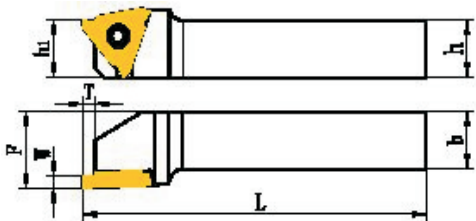
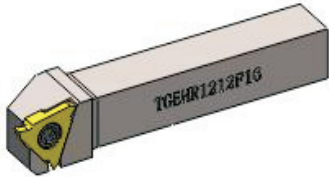
Parting & Grooving Tools

TGEHR/L External Shallow Grooving Toolholders

Clamping & tool style

for external Shallow
grooving

TGEHR/L



Right hand shown:TGEHR1212H16

Left hand:TGEHL1212H16

Model	Basic dimensions(mm)						Order No.				
	h=h1	b	F	L	W	T	Right	Left	Insert	Screw	key
TGEHR/L1010F16	10	10	12	80	1.1~3	2.5	214-06010	214-16010		I60M4×10	T15
TGEHR/L1212H16	12	12	16	100			214-06015	214-16015			
TGEHR/L1616K16	16	16	20	125			214-06020	214-16020			
TGEHR/L2020M16	20	20	25	150			214-06025	214-16025			
TGEHR/L2020P22	20	20	25	170	1.25~4.5	5	214-06030	214-16030		I60M5×14	T20
TGEHR/L2525P22	25	25	32	170			214-06035	214-16035			

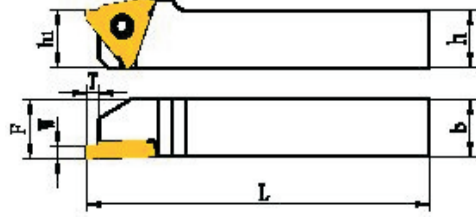
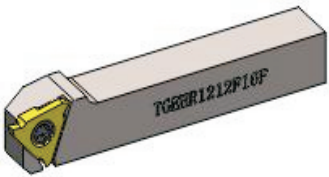
★ Right hand inserts for right hand toolholders.Left hand inserts for left hand toolholders.

TGEHR/L..F External Shallow Grooving Toolholders

Clamping & tool style

for external Shallow
grooving

TGEHR/L..F



Right hand shown:TGEHR1212H16F

Left hand:TGEHL1212H16F

Model	Basic dimensions(mm)						Order No.				
	h=h1	b	F	L	W	Dmax.	Right	Left	Insert	Screw	key
TGEHR/L1010F16F	10	10	10.3	80	1.1~3	2.5	214-06110	214-16110		I60M4×10	T15
TGEHR/L1212H16F	12	12	12.3	100			214-06115	214-16115			
TGEHR/L1616K16F	16	16	16.3	125			214-06120	214-16120			
TGEHR/L2020M16F	20	20	20.3	150			214-06125	214-16125			

★ Right hand inserts for right hand toolholders.Left hand inserts for left hand toolholders.

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A113~A127

Inserts & spare parts
刀片及附件

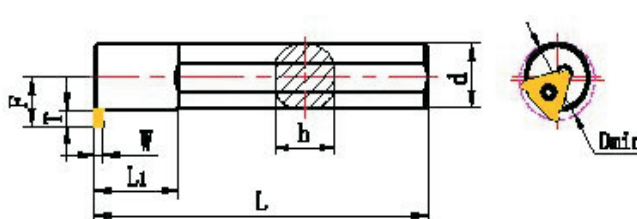
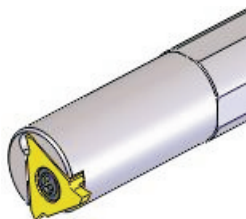
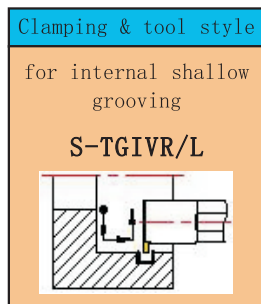
C1~C20

Technical data
技术资料

D1~D21

Parting & Grooving Tools

S-TGIVR/L Grooving Boring Bars



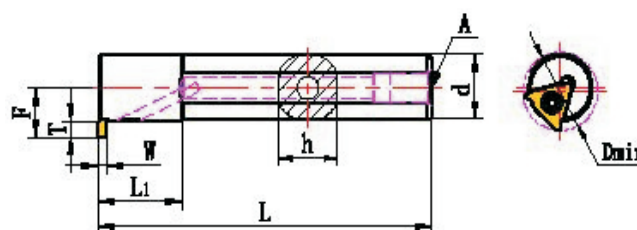
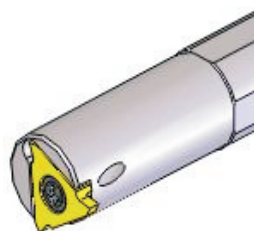
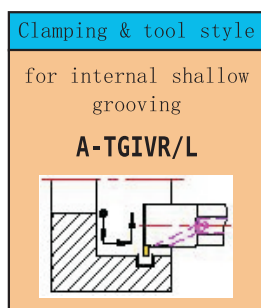
Right hand shown:S16K-TGIVR16

Left hand:S16K-TGIVL16

Model	Basic dimensions(mm)							Order No.		Insert	Screw	key
	d	h	L	L1	F	Tmax.	Dmin.	Right	Left			
S20M-TGIVR/L16	20	18	150	45	12.5	2	25	224-06010	224-16010	TGF16L/R..	I60M4×10	T15
S25R-TGIVR/L16	25	23	200	45	15	2	30	224-06015	224-16015			
S25R-TGIVR/L22	25	23	200	50	17.5	3.5	35	224-06020	224-16020	TGF22L/R..	I60M5×14	T20
S32S-TGIVR/L22	32	30	250	65	21	3.5	42	224-06025	224-16025			

★ Left hand inserts for right hand toolholders.Right hand inserts for left hand toolholders.

A-TGIVR/L Grooving Boring Bars-Coolant Through



Right hand shown:A16K-TGIVR16

Left hand:A16K-TGIVL16

Model	Basic dimensions(mm)							Order No.		Insert	Screw	key
	d	h	L	L1	F	Dmin.	A	Right	Left			
A20M-TGIVR/L16	20	18	150	45	12.5	25	1/8-27NPT	224-46010	224-56010	TGF16L/R..	I60M4×10	T15
A25R-TGIVR/L16	25	23	200	45	15	30	1/4-18NPT	224-46015	224-56015			
A25R-TGIVR/L22	25	23	200	50	17.5	35	1/4-18NPT	224-46020	224-56020	TGF22L/R..	I60M5×14	T20
A32S-TGIVR/L22	32	30	250	65	21	42	1/4-18NPT	224-46025	224-56025			

★ Left hand inserts for right hand toolholders.Right hand inserts for left hand toolholders.

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螺纹车刀目录

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Inserts & spare parts
刀片及附件

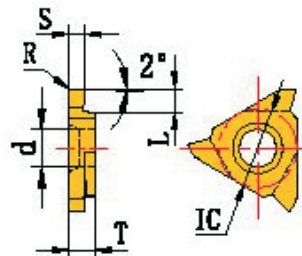
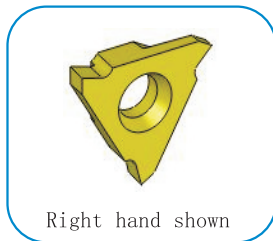
C1~C20

Technical data
技术资料

D1~D21

Parting & Grooving Tools

TGF Inserts



Model		Grade		Order No. (Tin)		Basic dimensions(mm)							
Right	Left	WK10	WM25	Right hand	Left hand	IC	T	d	S	R	Dmax.		
TGF16R075	TGF16L075	○	●	823-70010	823-80010	6.35	3.18	4.4	0.75	0.1	2.0		
TGF16R080	TGF16L080	○	●	823-70012	823-80012				0.80				
TGF16R085	TGF16L085	○	●	823-70014	823-80014				0.85				
TGF16R090	TGF16L090	○	●	823-70016	823-80016				0.90				
TGF16R095	TGF16L095	○	●	823-70018	823-80018				0.95				
TGF16R100	TGF16L100	○	●	823-70020	823-80020				1.00	2.2			
TGF16R110	TGF16L110	○	●	823-70022	823-80022				1.10				
TGF16R125	TGF16L125	○	●	823-70024	823-80024				1.25				
TGF16R145	TGF16L145	○	●	823-70026	823-80026				1.45				
TGF16R150	TGF16L150	○	●	823-70028	823-80028				1.50				
TGF16R175	TGF16L175	○	●	823-70030	823-80030				1.75	2.4			
TGF16R185	TGF16L185	○	●	823-70032	823-80032				1.85				
TGF16R200	TGF16L200	○	●	823-70034	823-80034				2.00		0.15	2.7	
TGF16R250	TGF16L250	○	●	823-70036	823-80036				2.50				
TGF16R300	TGF16L300	○	●	823-70038	823-80038				3.00		0.2	3.0	
TGF22R100	TGF22L100	○	●	823-70040	823-80040	12.7	4.76	5.5	1.00	0.1	2.5		
TGF22R120	TGF22L120	○	●	823-70042	823-80042				1.20				
TGF22R150	TGF22L150	○	●	823-70044	823-80044				1.50			0.2	3.0
TGF22R175	TGF22L175	○	●	823-70046	823-80046				1.75	3.3			
TGF22R185	TGF22L185	○	●	823-70048	823-80048				1.85				
TGF22R200	TGF22L200	○	●	823-70050	823-80050				2.00		3.5		
TGF22R230	TGF22L230	○	●	823-70052	823-80052				2.30				
TGF22R250	TGF22L250	○	●	823-70054	823-80054				2.50			4.2	
TGF22R265	TGF22L265	○	●	823-70056	823-80056				2.65				
TGF22R280	TGF22L280	○	●	823-70058	823-80058				2.80	4.6			
TGF22R300	TGF22L300	○	●	823-70060	823-80060				3.00				
TGF22R320	TGF22L320	○	●	823-70062	823-80062				3.20				
TGF22R330	TGF22L330	○	●	823-70064	823-80064				3.30		0.3	4.8	
TGF22R350	TGF22L350	○	●	823-70066	823-80066				3.50				
TGF22R400	TGF22L400	○	●	823-70068	823-80068				4.00				
TGF22R450	TGF22L450	○	●	823-70070	823-80070				4.50		5.0		

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Inserts & spare parts

刀片及附件

C1~C20

Technical data

技术资料

D1~D21

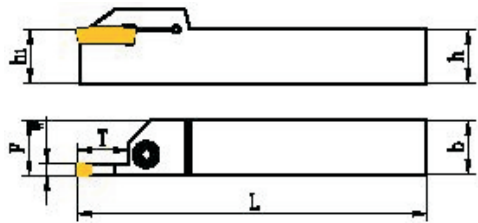
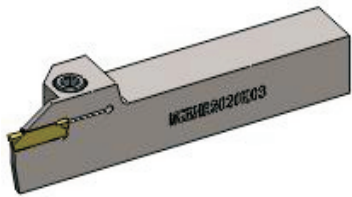
Parting & Grooving Tools

MGEHR/L External Parting & Grooving Toolholders

Clamping & tool style

for external parting & grooving

MGEHR/L



Right hand shown:MGEHR2020K03

Left hand:MGEHL2020K03

Model	Basic dimensions(mm)							Order No.				
	h=h1	b	F	L	W	Tmax.		Right	Left	Insert	Screw	key
MGEHR/L0810E02	8	10	10.2	70	2	14.5		213-02010	213-12010	MGMN200	M4×12	S3
MGEHR/L1010F02	10	10	10.2	80				213-02012	213-12012			
MGEHR/L1212H02	12	12	12.2	100				213-02014	213-12014			
MGEHR/L1616H02	16	16	16.2	100				213-02016	213-12016		M5×16	S4
MGEHR/L2020K02	20	20	20.2	125				213-02018	213-12018			
MGEHR/L2525M02	25	25	25.2	150				213-02020	213-12020			
MGEHR/L1212H03	12	12	12.3	100	3	18		213-02022	213-12022	MGMN300	M4×12	S3
MGEHR/L1616H03	16	16	16.3	100				213-02024	213-12024		M5×16	S4
MGEHR/L2020K03	20	20	20.3	125				213-02026	213-12026			
MGEHR/L2525M03	25	25	25.3	150				213-02028	213-12028			
MGEHR/L3232P03	32	32	32.3	170				213-02030	213-12030			
MGEHR/L2020K04	20	20	20.4	125	4	18		213-02032	213-12032	MGMN400	M6×20	S5
MGEHR/L2525M04	25	25	25.4	150				213-02034	213-12034			
MGEHR/L3232P04	32	32	32.4	170				213-02036	213-12036			
MGEHR/L2020K05	20	20	20.4	125	5	23		213-02038	213-12038	MGMN500		
MGEHR/L2525M05	25	25	25.4	150				213-02040	213-12040			
MGEHR/L3232P05	32	32	32.4	170				213-02042	213-12042			
MGEHR/L2020K06	20	20	20.4	125	6	23		213-02044	213-12044	MGMN600		
MGEHR/L2525M06	25	25	25.4	150				213-02046	213-12046			
MGEHR/L3232P06	32	32	32.4	170				213-02048	213-12048			

threading tools index
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A113~A127

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C1~C20

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D1~D21

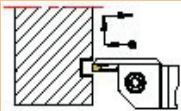
Parting & Grooving Tools

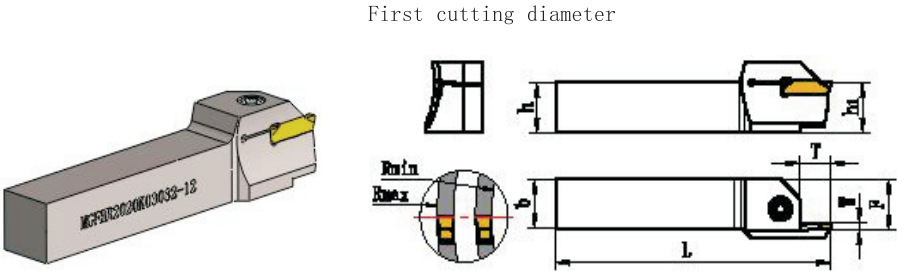
MGFHR/L Face Grooving Toolholders

Clamping & tool style

for end face
grooving & turning

S-MGFHR/L





Right hand shown:MGFHR2020K30036-12

Left hand:MGFHL2020K03036-12

Model	Basic dimensions(mm)							Order No.				
	h=h1	b	F	L	T	Rmin.	Rmax.	Right	Left			
MGFHR/L2020K30025-12	20	20	20.5	125	12	25	37	233-02010	233-12010	MGMN300	M5×16	S4
MGFHR/L2020K30036-12	20	20	20.5	125	12	36	50	233-02012	233-12012			
MGFHR/L2020K30048-18	20	20	20.5	125	18	48	72	233-02014	233-12014			
MGFHR/L2020K30070-18	20	20	20.5	125	18	70	102	233-02016	233-12016			
MGFHR/L2020K30100-18	20	20	20.5	125	18	100	152	233-02018	233-12018			
MGFHR/L2525M30025-12	25	25	25.5	150	12	25	37	233-02022	233-12022		M6×20	S5
MGFHR/L2525M30036-12	25	25	25.5	150	12	36	50	233-02024	233-12024			
MGFHR/L2525M30048-18	25	25	25.5	150	18	48	72	233-02026	233-12026			
MGFHR/L2525M30070-18	25	25	25.5	150	18	70	102	233-02028	233-12028			
MGFHR/L2525M30100-18	25	25	25.5	150	18	100	152	233-02030	233-12030			
MGFHR/L2020K40025-12	20	20	20.5	125	12	25	37	233-02034	233-12034	MGMN400	M5×16	S4
MGFHR/L2020K40036-12	20	20	20.5	125	12	36	50	233-02036	233-12036			
MGFHR/L2020K40048-18	20	20	20.5	125	18	48	72	233-02038	233-12038			
MGFHR/L2020K40070-18	20	20	20.5	125	18	70	102	233-02040	233-12040			
MGFHR/L2020K40100-18	20	20	20.5	125	18	100	152	233-02042	233-12042			
MGFHR/L2020K40150-18	20	20	20.5	125	18	150	320	233-02044	233-12044			
MGFHR/L2525M40025-12	25	25	25.5	150	12	25	37	233-02048	233-12048		M6×20	S5
MGFHR/L2525M40036-12	25	25	25.5	150	12	36	50	233-02050	233-12050			
MGFHR/L2525M40048-18	25	25	25.5	150	18	48	72	233-02052	233-12052			
MGFHR/L2525M40070-18	25	25	25.5	150	18	70	102	233-02054	233-12054			
MGFHR/L2525M40100-18	25	25	25.5	150	18	100	152	233-02056	233-12056			
MGFHR/L2525M40150-18	25	25	25.5	150	18	150	320	233-02058	233-12058			

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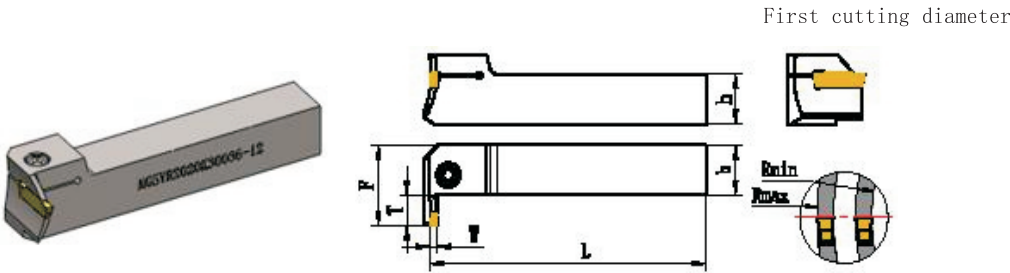
Parting & Grooving Tools

MGFVR/L Face Grooving Toolholders

Clamping & tool style

for end face
grooving & turning

S-MGFVR/L



Right hand shown:MGFVR2020K30036-12

Left hand:MGFVL2020K03036-12

Model	Basic dimensions							Order No.				
	h=h1	b	F	L	T	Rmin.	Rmax.	Right	Left			
MGFVR/L2020K30025-12	20	20	20.5	125	12	25	37	233-02110	233-12110	MGMN300	M5×16	S4
MGFVR/L2020K30036-12	20	20	20.5	125	12	36	50	233-02112	233-12112			
MGFVR/L2020K30048-18	20	20	20.5	125	18	48	72	233-02114	233-12114			
MGFVR/L2020K30070-18	20	20	20.5	125	18	70	102	233-02116	233-12116			
MGFVR/L2020K30100-18	20	20	20.5	125	18	100	152	233-02118	233-12118			
MGFVR/L2525M30025-12	25	25	25.5	150	12	25	37	233-02122	233-12122		M6×20	S5
MGFVR/L2525M30036-12	25	25	25.5	150	12	36	50	233-02124	233-12124			
MGFVR/L2525M30048-18	25	25	25.5	150	18	48	72	233-02126	233-12126			
MGFVR/L2525M30070-18	25	25	25.5	150	18	70	102	233-02128	233-12128			
MGFVR/L2525M30100-18	25	25	25.5	150	18	100	152	233-02130	233-12130			
MGFVR/L2020K40025-12	20	20	20.5	125	12	25	37	233-02134	233-12134	MGMN400	M5×16	S4
MGFVR/L2020K40036-12	20	20	20.5	125	12	36	50	233-02136	233-12136			
MGFVR/L2020K40048-18	20	20	20.5	125	18	48	72	233-02138	233-12138			
MGFVR/L2020K40070-18	20	20	20.5	125	18	70	102	233-02140	233-12140			
MGFVR/L2020K40100-18	20	20	20.5	125	18	100	152	233-02142	233-12142			
MGFVR/L2020K40150-18	20	20	20.5	125	18	150	320	233-02144	233-12144			
MGFVR/L2525M40025-12	25	25	25.5	150	12	25	37	233-02148	233-12148		M6×20	S5
MGFVR/L2525M40036-12	25	25	25.5	150	12	36	50	233-02150	233-12150			
MGFVR/L2525M40048-18	25	25	25.5	150	18	48	72	233-02152	233-12152			
MGFVR/L2525M40070-18	25	25	25.5	150	18	70	102	233-02154	233-12154			
MGFVR/L2525M40100-18	25	25	25.5	150	18	100	152	233-02156	233-12156			
MGFVR/L2525M40150-18	25	25	25.5	150	18	150	320	233-02158	233-12158			

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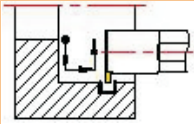
Parting & Grooving Tools

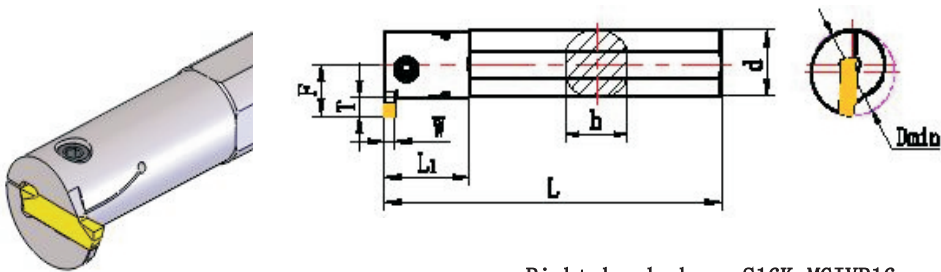
S-MGIVR/L Grooving Boring Bars

Clamping & tool style

for internal grooving

S-MGIVR/L





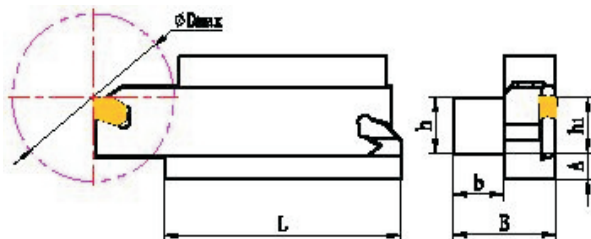
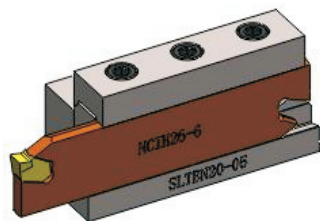
Right hand shown:S16K-MGIVR16

Left hand:S16K-MGIVL16

Model	Basic dimensions(mm)							Order No.				
	d	h	L	L1	F	Dmin.	Tmax.	Right	Left			
S16K-MGIVR/L02	16	15	125	35	12.4	20	5	223-02010	223-12010	MGMN200	M4×10	S3
S20M-MGIVR/L02	20	18	150	45	14	25	5	223-02012	223-12015		M4×12	
S25R-MGIVR/L02	25	23	200		17.2	29	5	223-02020	223-12020		M5×16	
S20M-MGIVR/L03	20	18	150	45	15.6	25	6	223-02025	223-12025	MGMN300	M4×12	S3
S25R-MGIVR/L03	25	23	200		18.9	31	6	223-02030	223-12030		M5×16	S4
S32S-MGIVR/L03	32	30	250		21.5	37	6	223-02035	223-12035		M6×20	S5
S20M-MGIVR/L04	20	18	150	45	15.6	25	6	223-02040	223-12040	MGMN400	M4×12	S3
S25R-MGIVR/L04	25	23	200		18.9	31	6	223-02045	223-12045		M5×16	S4
S32S-MGIVR/L04	32	30	250		21.5	37	6	223-02050	223-12050		M6×20	S5
S25R-MGIVR/L05	25	23	200	45	19.4	32	7	223-02055	223-12055	MGMN500	M5×16	S4
S32S-MGIVR/L05	32	30	250	65	21.5	37	8	223-02060	223-12060		M6×20	S5
S25R-MGIVR/L06	25	23	200	45	19.4	32	7	223-02065	223-12065	MGMN600	M5×16	S4
S32S-MGIVR/L06	32	30	250	65	21.5	37	8	223-02070	223-12070		M6×20	S5

Parting & Grooving Tools

SLTBN Blocks

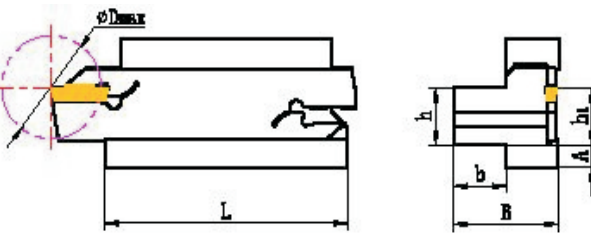
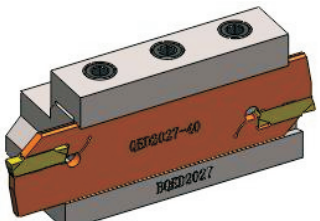


车削刀具
Turning tools

A

Model	Basic dimensions(mm)						Order No.			
	h=h1	b	L	B	A					
SLTBN06-02	6	12	56	25	13		245-01010	Accepts blade SLIH、NCIH、QES19-2、3	Screw M4×12	key S3
SLTBN08-02	8	12	56	25	11		245-01015			
SLTBN10-02	10	12	56	25	9		245-01020			
SLTBN12-02	12	12	56	25	7		245-01025			
SLTBN16-02	16	16	76	30	5		245-01030			
SLTBN16-05	16	19	88	38	13		245-01035	NCIH、QES26-2、3、4、5、6	Screw M5×16	key S4
SLTBN20-05	20	19	88	38	9		245-01040			
SLTBN25-05	25	23	100	42	4		245-01045			
SLTBN20-06	20	19	100	38	13		245-01050	NCIH、QES32-3、4、5、6	Screw M6×20	key S5
SLTBN25-06	25	19	110	38	8		245-01055			
SLTBN32-06	32	-	110	46	-		245-01060			

BQED Blocks



Model	Basic dimensions(mm)						Order No.			
	h=h1	b	L	B	A					
BQED16-27	16	19	88	38	12		245-02010	Accepts blade QED2027-20、25、30、40、50	Screw M5×16	key S5
BQED20-27	20	19	88	38	8		245-02015			
BQED25-27	25	19	100	38	3		245-02020			
BQED20-32	20	19	100	38	12		245-02025	QED2432-20、25、30、40、50	Screw M6×20	key S5
BQED25-32	25	19	110	38	7		245-02030			
BQED32-32	32	-	110	46	-		245-02035			

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Inserts & spare parts
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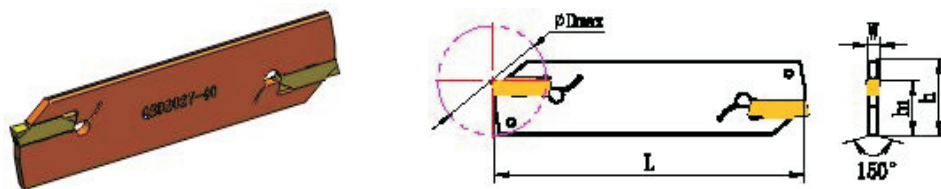
C1~C20

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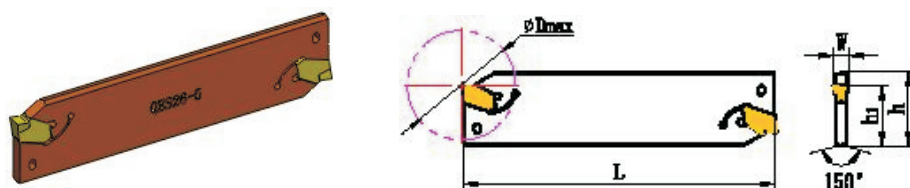
Parting & Grooving Tools

QED Blades



Model	Basic dimensions(mm)					Order No.	Insert	key
	W	Dmax.	h	h1	L	Right		
QED2027-20	2	28	27	20	110	252-02010	MGMN200	KD4
QED2027-25	2.5	32	27	20	110	252-02015	MGMN250	
QED2027-30	3	36	27	20	110	252-02020	MGMN300	
QED2027-40	4	36	27	20	110	252-02025	MGMN400	
QED2027-50	5	46	27	20	120	252-02030	MGMN500	
QED2432-20	2	28	32	24	150	252-02035	MGMN200	KD5
QED2432-25	2.5	32	32	24	150	252-02040	MGMN250	
QED2432-30	3	36	32	24	150	252-02045	MGMN300	
QED2432-40	4	36	32	24	150	252-02050	MGMN400	
QED2432-50	5	46	32	24	150	252-02055	MGMN500	

QES Blades



Model	Basic dimensions					Order No.	Insert	key
	W	Dmax.	h	h1	L	Right		
QES19-2	0.087&0.094	0.94"	0.79"	0.62"	3.38"	252-01010	GTN-2	QES-01
QES26-2	0.087&0.094	1.5	1.02	0.84	4.33	252-01015		
QES26-3	0.12	2	1.02	0.84	4.33	252-01020	GTN-3	QES-02
QES26-4	0.16	2	1.02	0.84	4.33	252-01025	GTN-4	
QES26-5	0.187&0.200	2	1.02	0.84	4.33	252-01030	GTN-5	
QES32-3	0.12	3.15	1.26	0.98	5.9	252-01040	GTN-3	
QES32-4	0.16	3.15	1.26	0.98	5.9	252-01045	GTN-4	
QES32-5	0.187&0.200	3.15	1.26	0.98	5.9	252-01050	GTN-5	

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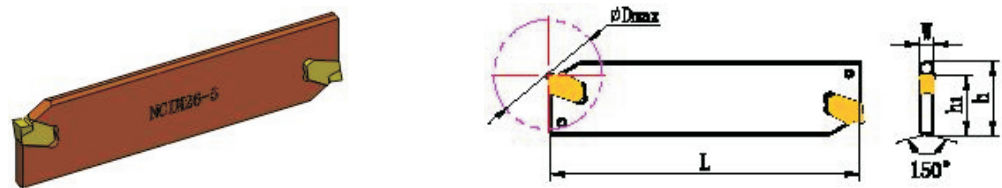
Technical data

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D1~D21

Parting & Grooving Tools

NCIH Blades



Model	Basic dimensions					Order No.		
	W	Dmax.	h	h1	L	Right		
NCIH19-2	0.087~0.094"	1.5"	0.79"	0.62"	3.38"	251-01010	GTN-2	CT001
NCIH19-3	0.12	3	0.79	0.62	3.38	251-01015	GTN-3	
NCIH26-2	0.087~0.094	3	1.02	0.84	4.33	251-01020	GTN-2	
NCIH26-3	0.12	3	1.02	0.84	4.33	251-01025	GTN-3	
NCIH26-4	0.16	3	1.02	0.84	4.33	251-01030	GTN-4	
NCIH26-5	0.187~0.200	3	1.02	0.84	4.33	251-01035	GTN-5	
NCIH26-6	0.25	3	1.02	0.84	4.33	251-01040	GTN-6	
NCIH32-3	0.12	4	1.26	0.98	5.9	251-01045	GTN-3	
NCIH32-4	0.16	4	1.26	0.98	5.9	251-01050	GTN-4	
NCIH32-5	0.187~0.200	5	1.26	0.98	5.9	251-01055	GTN-5	
NCIH32-6	0.25	5	1.26	0.98	5.9	251-01060	GTN-6	

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SVER/L External Threading Toolholders.....A129

SVER/L .C External Threading Toolholders.....A130

MTHR External Threading Toolholders.....A130

S-SIR/L Internal Threading Toolholders.....A131

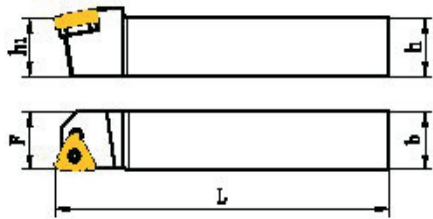
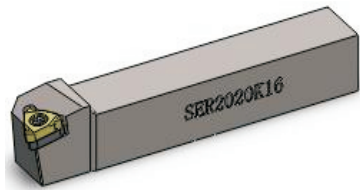
External Threading Toolholders

SER/L External Threading Toolholders

Clamping & tool style

for external threading

SEF/L



Right hand shown:SER2020K16

Left hand:SEL2020K16

Model	Basic dimensions(mm)				Order No.						
	h=h1	b	F	L	Right	Left	Insert	Screw	Shim	Shim Screw	key
SER/L1010H11	10	10	10	100	311-01010	311-11010	11ER/L. .	IM2. 5×7	-	-	T8
SER/L1212H11	12	12	12	100	311-01015	311-11015					
SER/L1616H16	16	16	16	100	311-01020	311-11020	16ER/L. .	IM3. 5×10	LT16R/L	SDN535	T15+S3. 5
SER/L2020K16	20	20	20	125	311-01025	311-11025					
SER/L2525M16	25	25	25	150	311-01030	311-11030					
SER/L3232P16	32	32	32	170	311-01035	311-11035					
SER/L2020K22	20	20	20	125	311-01040	311-11040	22ER/L. .	IM4×12	LT22R/L	SDN640	T15+S4
SER/L2525M22	25	25	25	150	311-01045	311-11045					
SER/L3232P22	32	32	32	170	311-01050	311-11050					

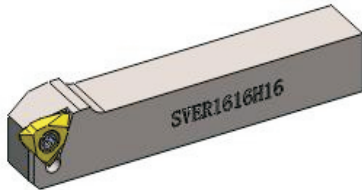
★ Right hand inserts for right hand toolholders.Left hand inserts for left hand toolholders.

SVER/L External Threading Toolholders

Clamping & tool style

for external threading

SVER/L



Right hand shown:SVER2020K16

Left hand:SVEL2020K16

Model	Basic dimensions(mm)				Order No.				
	h=h1	b	F	L	Right	Left	Insert	Screw	key
SVER/L1010F16	12	10	10	80	311-03010	311-13010	16VER/L. .	IM3. 5×8	T15+S3. 5
SVER/L1212H16	12	12	12	100	311-03015	311-13015			
SVER/L1616H16	16	16	16	100	311-03020	311-13020			
SVER/L2020K16	20	20	20	125	311-03025	311-13025			
SVER/L2525M16	25	25	25	150	311-03030	311-13030			

★ Right hand inserts for right hand toolholders.Left hand inserts for left hand toolholders.

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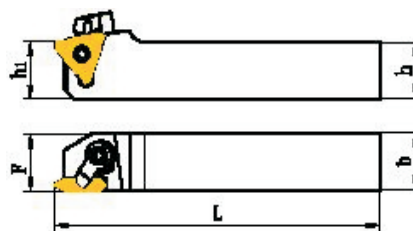
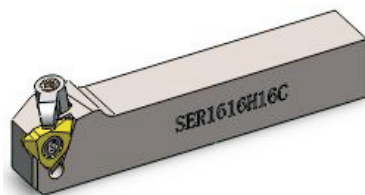
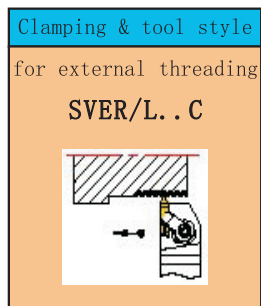
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External Threading Toolholders

SVER/L..C External Threading Toolholders



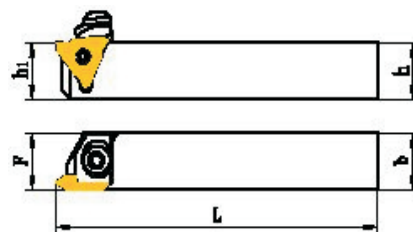
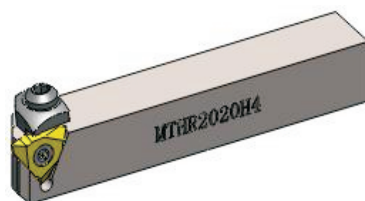
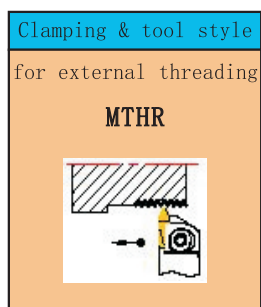
Right hand shown:SVER2020K16C

Left hand:SVEL2020K16C

Model	Basic dimensions(mm)				Order No.		 Insert	 Screw	 Clamp	 Clamp screw	 key
	h=h1	b	F	L	Right	Left					
SVER/L1616H16C	16	16	16	100	313-03010	313-13010					
SVER/L2020K16C	20	20	20	125	313-03015	313-13015					
SVER/L2525M16C	25	25	25	150	313-03020	313-13020					
SVER/L3232P16C	32	32	32	170	313-03025	313-13025					

★ Right hand inserts for right hand toolholders.Left hand inserts for left hand toolholders.

MTHR External Threading Toolholders



Right hand shown:MTHR2020K4

Left hand:MTHL2020K4

Model	Basic dimensions(mm)				Order No.	 Insert	 Screw	 Clamp	 Spring	 Screw	 key
	h=h1	b	F	L							
MTHR1616H4	16	16	16	100	313-03010						
MTHR2020K4	20	20	20	125	313-03015						
MTHR2520M4	25	20	20	150	313-03020						
MTHR3225P4	32	25	32	170	313-03025						
MTHR3232P4	32	32	32	170	313-03025						
MTHL1616H4	16	16	16	100	313-13010						
MTHL2020K4	20	20	20	125	313-13015						
MTHL2520M4	25	20	20	150	313-13020						
MTHL3225P4	32	25	32	170	313-13025						
MTHL3232P4	32	32	32	170	313-13025						

★ Right hand inserts for right hand toolholders.Left hand inserts for left hand toolholders.

threading tools index
螺纹车刀目录

A113~A127

Inserts & spare parts

刀片及附件

C1~C20

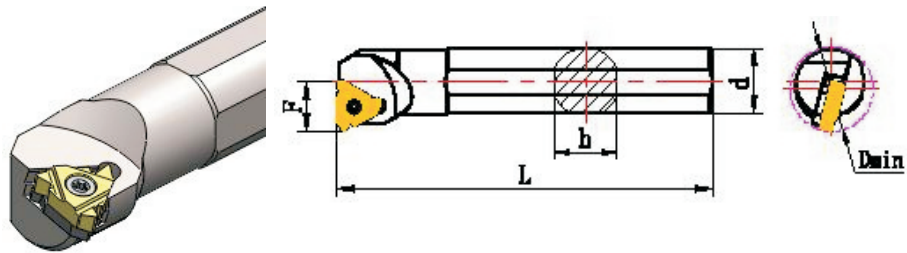
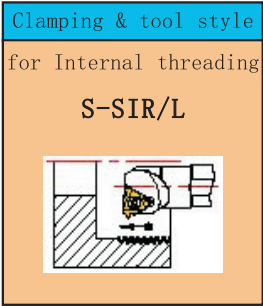
Technical data

技术资料

D1~D21

Internal Threading Toolholders

S-SIR/L Internal Threading Toolholders



Right hand shown:S16M-SIR16

Left hand:S16M-SIL16

Model	Basic dimensions					Order No.	 Insert	 Screw	 Shim	 Shim Screw	 key
	d	h	L	F	Dmin.						
S10K-SIR11	10	9	125	7.4	12	321-01010	11IR..	IM2.5×7	-	-	T8
S12M-SIR11	12	11	150	8.5	15	321-01015					
S12M-SIR16	12	11	150	8.5	15	321-01020	16IR..	IM3.5×8	-	-	T15
S16M-SIR16	16	15	150	10.3	19	321-01025					
S20P-SIR16	20	18	170	13.8	24	321-01030		IM3.5×10	LT16L	SDN535	T15+S3.5
S25R-SIR16	25	23	200	16.3	29	321-01035					
S32S-SIR16	32	30	250	19.8	36	321-01040					
S25R-SIR22	25	23	200	17.5	30	321-01045	22IR..	IM4×12	LT22L	SDN640	T15+S4
S32S-SIR22	32	30	250	21	37	321-11050					
S10K-SIL11	10	9	125	7.4	12	321-11010	11IL..	IM2.5×6	-	-	T8
S12M-SIL11	12	11	150	8.5	15	321-11015					
S12M-SIL16	12	11	150	8.5	15	321-11020	16IL..	IM3.5×8	-	-	T15
S16M-SIL16	16	15	150	10.3	19	321-11025					
S20P-SIL16	20	18	170	13.8	24	321-11030		IM3.5×10	LT16R	SDN535	T15+S3.5
S25R-SIL16	25	23	200	16.3	29	321-11035					
S32S-SIL16	32	30	250	19.8	36	321-11040					
S25R-SIL22	25	23	200	17.5	30	321-11045	22IL..	IM4×12	LT22R	SDN640	T15+S4
S32S-SIL22	32	30	250	21	37	321-11050					

★ Right hand inserts for right hand toolholders,Left shim.

Left hand inserts for left hand toolholders,Right shim.

刀垫刀尖适用范围 Rang of shim corner

Shim	刀尖适用范围 Insert Corner Range		
	Corner ①	Corner ②	Corner ③
LT16R/L	0.5~1.5ISO, A60	1.75~2.5	2.5~3.0ISO, AG60, G60
	32~18UN	16~10UN	9~8UN
LT22R/L	3.0ISO	3.5~4.0(4.5~6.0)ISO	(3.5~4.0)4.5~6.0ISO, N60
	(7~5)UN	7~6(5)UN	(7~6)5UN



threading tools index
螺纹车刀目录 **A113~A127**

Inserts & spare parts
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发黑铣刀集锦



镀镍铣刀集锦



螺纹刀集锦



切断切槽刀集锦

Indexable Milling Cutter Identification System

EM	P	0	1	—	1"	R8	TP32	(L200)	(-Z2)
1	2	3	4		5	6	7	8	9

1、刀具型式	
EM	可转位立铣刀（杆式）
FM	可转位面铣刀（套式）
CM	可转位倒角铣刀
XM	可转位特殊铣刀

2、主偏角	
A	Kr=45°
D	Kr=60°
E	Kr=75°
P	Kr=90°
B	球头铣刀
H	螺旋立铣刀
R	圆刀片铣刀
S	三面刃铣刀
T	T型槽铣刀
Z	钻铣刀
X	特殊铣刀

3、铣刀有无内冷：0 无，1 有

4、铣刀刀片压紧方式

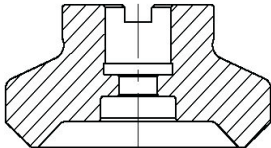
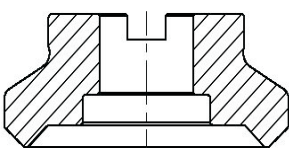
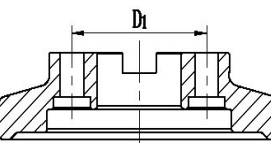
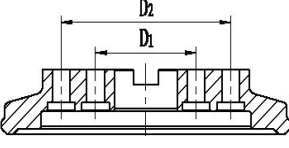
- 1 螺钉压紧，2 头螺钉压紧，3 德国螺钉压紧，
4 压块楔压紧，5 压板压紧，6 复合压紧

5、铣刀切削刃参数（EM、FM、CM类铣刀）

- 5.1、铣刀刀尖直径（EM、FM、CM类铣刀）
5.2、螺旋立铣刀：切削刃直径×刃部长度
5.3、三面刃铣刀：切削刃直径×刃部宽度
5.4、T型槽铣刀：T型螺钉型号

6、铣刀安装类型及规格

- EM 类铣刀表示立铣刀柄部型式及规格
FM 类铣刀表示面铣刀定位孔型式及规格
CM 类铣刀表示倒角铣刀柄部型式及规格

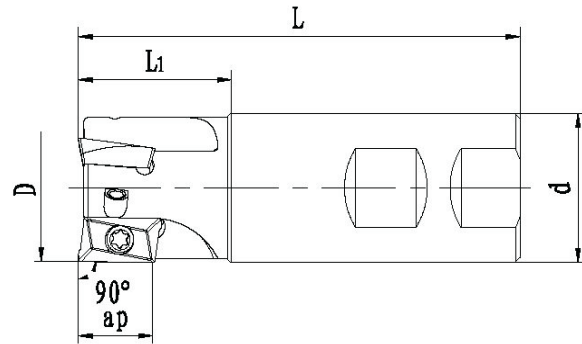
套式面铣刀定位孔型式			
A 型接口		B 型接口	
C 型接口		D 型接口	

7、配装刀片型号

- 8、加长型，数字为总长（附加代码）
9、齿数（附加代码）

Milling Tools

EMP01-AP 90° Square Shoulder Indexable End Mills



标准型 Standard

Size	Cutting Diameter D	Shank Size d	OAL L	Head Length L1	ap	No. Of Insert	 Insert	 Screw	Order#
EMP01-12B12AP10	12	12	80	30	10	1	APKT1003.	IM2.5×5	512-01102
EMP01-16B16AP10	16	16	85	30	10	2	APKT1003.	IM2.5×5	512-01104
EMP01-20B20AP10	20	20	90	35	10	3	APKT1003.	IM2.5×6	512-01106
EMP01-25B25AP10	25	25	95	35	10	4	APKT1003.	IM2.5×6	512-01108
EMP01-25B25AP16	25	25	95	35	14	2	APKT1604.	IM4×8	512-01110
EMP01-32B32AP16	32	32	105	40	14	3	APKT1604.	IM4×8	512-01112
EMP01-40B32AP16	40	32	105	40	14	4	APKT1604.	IM4×8	512-01114
EMP01-40B40AP16	40	40	115	40	14	4	APKT1604.	IM4×8	512-01116
EMP01-45B32AP16	45	32	105	40	14	4	APKT1604.	IM4×8	512-01118
EMP01-50B32AP16	50	32	105	40	14	5	APKT1604.	IM4×8	512-01120

* Insert is not included

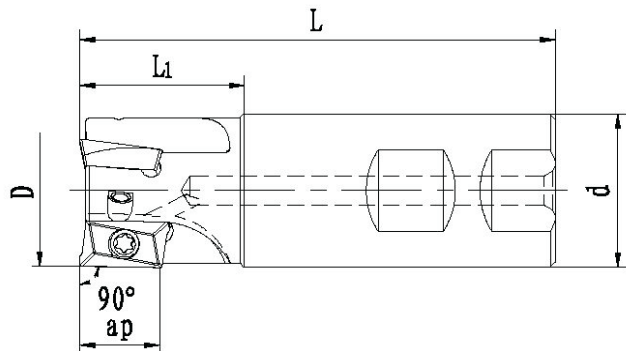
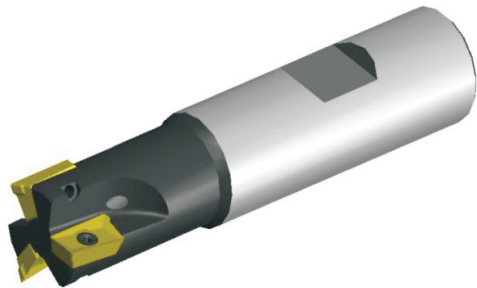
加长型 Long type

Size	Cutting Diameter D	Shank Size d	OAL L	Head Length L1	ap	No. Of Insert	 Insert	 Screw	Order#
EMP01-16B16AP10L200	16	16	200	40	10	2	APKT1003.	IM2.5×5	512-01150
EMP01-20B20AP10L200	20	20	200	40	10	3	APKT1003.	IM2.5×6	512-01152
EMP01-22B20AP10L200	22	20	200	40	10	3	APKT1003.	IM2.5×6	512-01154
EMP01-25B25AP10L200	25	25	200	40	10	4	APKT1003.	IM2.5×6	512-01156
EMP01-32B40AP10L200	32	40	200	40	10	5	APKT1003.	IM2.5×6	512-01158
EMP01-25B25AP16L200	25	25	200	50	14	2	APKT1604.	IM4×8	512-01160
EMP01-32B32AP16L200	32	32	200	50	14	3	APKT1604.	IM4×8	512-01162
EMP01-40B32AP16L200	40	32	200	50	14	4	APKT1604.	IM4×8	512-01164

* Insert is not included

Milling Tools

EMP11-AP 90° Coolant Thru End Mills



标准型 Standard

Size	Cutting Diameter D	Shank Size d	OAL L	Head Length L1	ap	No. Of Insert	 Insert	 Screw	Order#
EMP11-12B12AP10	12	12	80	30	10	1	APKT1003.	IM2.5×5	512-21102
EMP11-16B16AP10	16	16	85	30	10	2	APKT1003.	IM2.5×5	512-21104
EMP11-20B20AP10	20	20	90	35	10	3	APKT1003.	IM2.5×6	512-21106
EMP11-25B25AP10	25	25	95	35	10	4	APKT1003.	IM2.5×6	512-21108
EMP11-25B25AP16	25	25	95	35	14	2	APKT1604.	IM4×8	512-21110
EMP11-32B32AP16	32	32	105	40	14	3	APKT1604.	IM4×8	512-21112
EMP11-40B32AP16	40	32	105	40	14	4	APKT1604.	IM4×8	512-21114
EMP11-40B40AP16	40	40	115	40	14	4	APKT1604.	IM4×8	512-21116
EMP11-45B32AP16	45	32	105	40	14	4	APKT1604.	IM4×8	512-21118
EMP11-50B32AP16	50	32	105	40	14	5	APKT1604.	IM4×8	512-21120

* Insert is not included

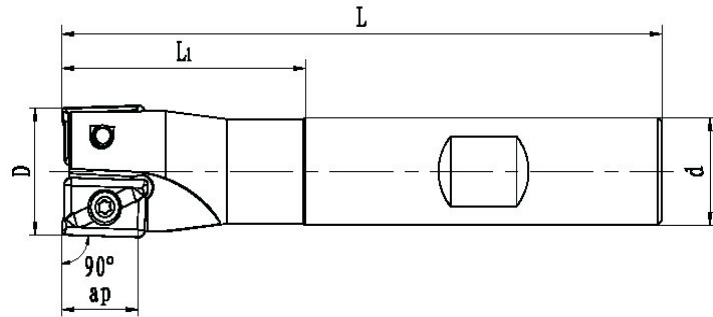
加长型 Long type

Size	Cutting Diameter D	Shank Size d	OAL L	Head Length L1	ap	No. Of Insert	 Insert	 Screw	Order#
EMP11-16B16AP10L200	16	16	200	40	10	2	APKT1003.	IM2.5×5	512-21150
EMP11-20B20AP10L200	20	20	200	40	10	3	APKT1003.	IM2.5×6	512-21152
EMP11-22B20AP10L200	22	20	200	40	10	3	APKT1003.	IM2.5×6	512-21154
EMP11-25B25AP10L200	25	25	200	40	10	4	APKT1003.	IM2.5×6	512-21156
EMP11-32B40AP10L200	32	40	200	40	10	5	APKT1003.	IM2.5×6	512-21158
EMP11-25B25AP16L200	25	25	200	50	14	2	APKT1604.	IM4×8	512-21160
EMP11-32B32AP16L200	32	32	200	50	14	3	APKT1604.	IM4×8	512-21162
EMP11-40B32AP16L200	40	32	200	50	14	4	APKT1604.	IM4×8	512-21164

* Insert is not included

Milling Tools

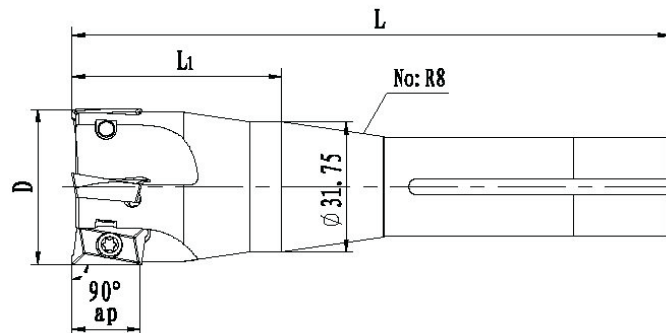
3Pc Indexable 90° Square Shoulder End Mills Set (EMP01-AP)



Size	Cutting Diameter D	Shank Size d	OAL L	Head Length L1	ap	No. Of Insert	Insert	Screw	Order#
Set									663-00101
EMP01-10B12AP10	10	12	80	30	10	1	APKT1003.	IM2.5×5	512-01122
EMP01-12B12AP10	12	12	80	30	10	1	APKT1003.	IM2.5×5	512-01102
EMP01-16B12AP10	16	12	80	30	10	2	APKT1003.	IM2.5×5	512-01126
Set									663-00102
EMP01-12B12AP10	12	12	80	30	10	1	APKT1003.	IM2.5×5	512-01102
EMP01-14B12AP10	14	12	80	30	10	1	APKT1003.	IM2.5×5	512-01124
EMP01-16B12AP10	16	12	80	30	10	2	APKT1003.	IM2.5×5	512-01126

* Insert is not included

EMP01-AP 90° R8 Shank Indexable End Mills

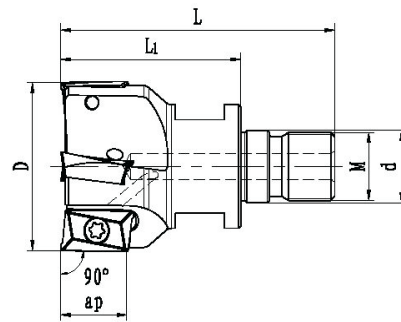


Size	Cutting Diameter D	Shank Size	OAL L	Head Length L1	ap	No. Of Insert	Insert	Screw	Order#
EMP01-25R8AP16	25	R8	147	45	14	2	APKT1604.	IM4×8	512-03102
EMP01-32R8AP16	32	R8	147	45	14	3	APKT1604.	IM4×8	512-03104
EMP01-40R8AP16	40	R8	152	50	14	4	APKT1604.	IM4×8	512-03106
EMP01-50R8AP16	50	R8	152	50	14	5	APKT1604.	IM4×8	512-03108
EMP01-63R8AP16	63	R8	157	55	14	6	APKT1604.	IM4×8	512-03110
EMP01-80R8AP16	80	R8	157	55	14	6	APKT1604.	IM4×10	512-03112

* Insert is not included

Milling Tools

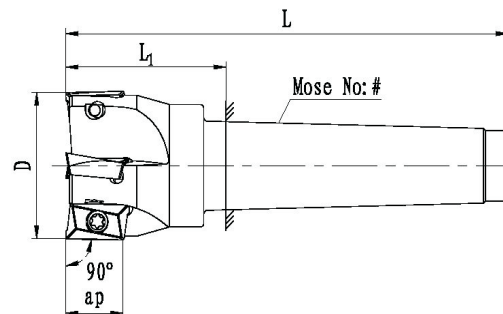
EMP11-AP 90° Modular End Mills



Size	Cutting Diameter D	Shank Size M	Shank Size d	OAL L	Head Length L1	ap	No. Of Insert	Insert	Screw	Order#
EMP11-16DM08AP10	16	M8	8.5	47	30	10	2	APKT1003.	IM2.5×5	512-24102
EMP11-20DM10AP10	20	M10	10.5	49	30	10	3	APKT1003.	IM2.5×6	512-24104
EMP11-25DM12AP10	25	M12	12.5	57	35	10	3	APKT1003.	IM2.5×6	512-24106
EMP11-32DM16AP10	32	M16	17	58	35	10	4	APKT1003.	IM2.5×6	512-24108
EMP11-40DM16AP10	40	M16	17	66	43	10	5	APKT1003.	IM2.5×6	512-24110
EMP11-25DM12AP16	25	M12	12.5	65	43	14	2	APKT1604.	IM4×8	512-24112
EMP11-32DM16AP16	32	M16	17	66	43	14	3	APKT1604.	IM4×8	512-24114
EMP11-40DM16AP16	40	M16	17	66	43	14	4	APKT1604.	IM4×8	512-24116

* Insert is not included

EMP01-AP 90° Mose Shank Indexable End Mills

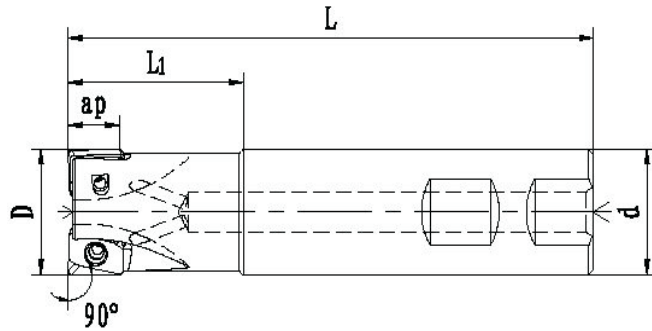


Size	Cutting Diameter D	Shank Size	OAL L	Head Length L1	ap	No. Of Insert	Insert	Screw	Order#
EMP01-25E03AP16	25	E03	126	45	14	2	APKT1604.	IM4×8	512-05102
EMP01-32E03AP16	32	E03	126	45	14	3	APKT1604.	IM4×8	512-05104
EMP01-40E03AP16	40	E03	131	50	14	4	APKT1604.	IM4×8	512-05106
EMP01-50~E03AP16	50	E03	131	50	14	5	APKT1604.	IM4×8	512-05108
EMP01-63E03AP16	63	E03	136	55	14	6	APKT1604.	IM4×8	512-05110
EMP01-80E03AP16	80	E03	136	55	14	6	APKT1604.	IM4×10	512-05112
EMP01-25E04AP16	25	E04	150	47	14	2	APKT1604.	IM4×8	512-05114
EMP01-32E04AP16	32	E04	150	47	14	3	APKT1604.	IM4×8	512-05116
EMP01-40E04AP16	40	E04	155	52	14	4	APKT1604.	IM4×8	512-05118
EMP01-50E04AP16	50	E04	155	52	14	5	APKT1604.	IM4×8	512-05120
EMP01-63E04AP16	63	E04	160	57	14	6	APKT1604.	IM4×8	512-05122
EMP01-80E04AP16	80	E04	160	57	14	6	APKT1604.	IM4×10	512-05124

* Insert is not included

Milling Tools

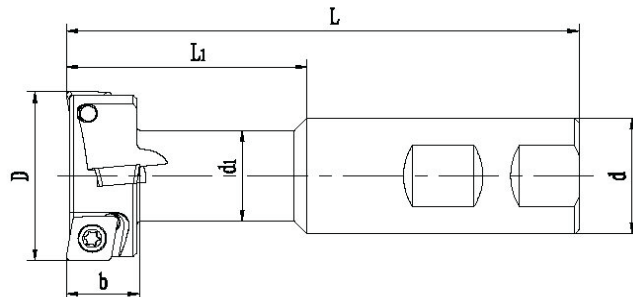
EMP11-AN 90° Coolant Thru End Mills



Size	Cutting Diameter D	Shank Size d	OAL L	Head Length L1	ap	No. Of Insert	 Insert	 Screw	Order#
EMP11-20B20AN11	20	20	105	35	11	1	ANGX110508	IM3×9	512-21202
EMP11-25B25AN11	25	25	115	35	11	2	ANGX110508	IM3×9	512-21204
EMP11-32B32AN11	32	32	127	45	11	3	ANGX110508	IM3×9	512-21206
EMP11-32B32AN15	32	32	127	45	14	2	ANGX150608	IM4×12	512-21208
EMP11-40B40AN11	40	40	127	45	11	4	ANGX110508	IM3×9	512-21210
EMP11-40B40AN15	40	40	127	45	14	3	ANGX150608	IM4×12	512-21212

* Insert is not included

EMT01-MP Indexable T-Slot Cutter

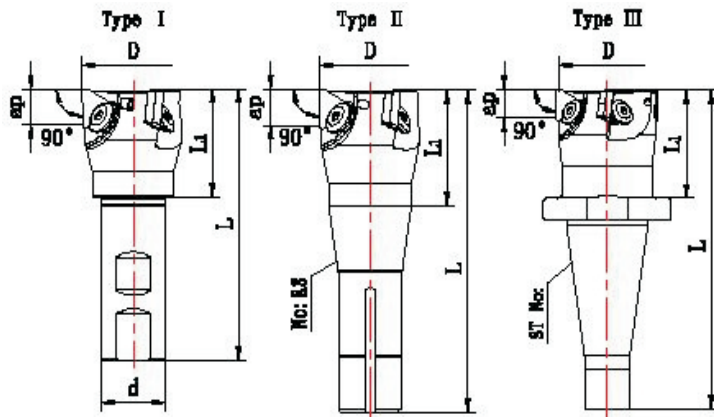


Size	Bolt Size	Cutting Dia D	Cutter Thick b	Shank Size d	OAL L	Neck Length L1	Neck Dia d1	No. Of Insert t	 Insert	 Screw	Order#
EMT01-12B16MP06	12	21	9	16	90	32	10	4	MP. . 0603. .	IM2.5×6	516-01102
EMT01-14B20MP06	14	25	11	20	95	35	12	4	MP. . 0603. .	IM2.5×6	516-01104
EMT01-18B25MP08	18	32	14	25	105	45	16	4	MP. . 0803. .	IM3×7	516-01106
EMT01-22B32MP12	22	40	18	32	120	55	20	4	MP. . 1204. .	IM5×12	516-01108
EMT01-28B32MP12	28	50	22	32	130	65	25	4	MP. . 1204. .	IM5×12	516-01110
EMT01-36B32MP12	36	60	28	32	140	75	32	4	MP. . 1204. .	IM5×12	516-01112

* Insert is not included

Milling Tools

EMP02-TP 90° Square Shoulder Indexable End Mills

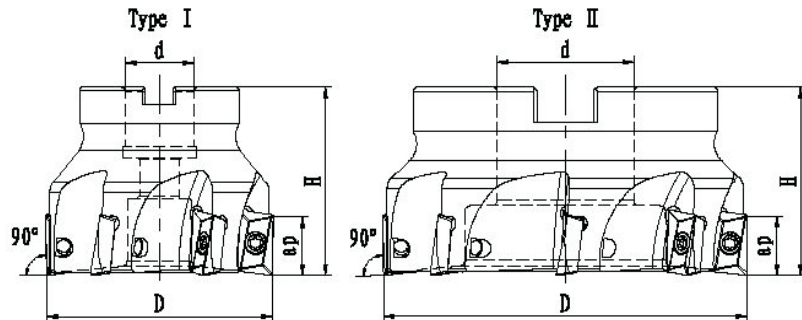


Size	Cutting Diameter D	Shank Size d	OAL L	Head Length L1	ap	No. Of Insert t	Insert	Screw	Type	Order#
EMP02-20B20TP11	22	B20	85	30	8.7	2	TP..1103PDTR	PM5×8	I	522-01302
EMP02-22B20TP11	22	B20	85	30	8.7	2	TP..1103PDTR	PM5×8		522-01304
EMP02-25B20TP11	25	B20	85	30	8.7	2	TP..1103PDTR	PM5×8		522-01306
EMP02-32B20TP16	32	B20	90	35	13.0	2	TP..1603PDTR	PM6×12		522-01308
EMP02-40B20TP16	40	B20	95	40	13.0	3	TP..1603PDTR	PM6×12		522-01310
EMP02-45B20TP16	45	B20	95	40	13.0	3	TP..1603PDTR	PM6×12		522-01312
EMP02-50B20TP22	50	B20	95	40	17.8	3	TP..2204PDTR	PM8×12		522-01314
EMP02-25B25TP11	25	B25	90	30	8.7	2	TP..1103PDTR	PM5×8		522-01316
EMP02-32B25TP16	32	B25	95	35	13.0	2	TP..1603PDTR	PM6×12		522-01318
EMP02-40B25TP16	40	B25	100	40	13.0	3	TP..1603PDTR	PM6×12		522-01320
EMP02-42B25TP16	42	B25	100	40	13.0	3	TP..1603PDTR	PM6×12		522-01322
EMP02-45B25TP16	45	B25	100	40	13.0	3	TP..1603PDTR	PM6×12		522-01324
EMP02-50B25TP22	50	B25	100	40	17.8	3	TP..2204PDTR	PM8×12		522-01326
EMP02-25R8TP11	25	R8	140	38	8.7	2	TP..1103PDTR	PM5×8	II	522-03302
EMP02-32R8TP16	32	R8	145	43	13.0	2	TP..1603PDTR	PM6×12		522-03304
EMP02-40R8TP16	40	R8	150	48	13.0	3	TP..1603PDTR	PM6×12		522-03306
EMP02-42R8TP16	42	R8	150	48	13.0	3	TP..1603PDTR	PM6×12		522-03308
EMP02-45R8TP16	45	R8	150	48	13.0	3	TP..1603PDTR	PM6×12		522-03310
EMP02-50R8TP22	50	R8	150	48	17.8	3	TP..2204PDTR	PM8×12		522-03312
EMP02-63R8TP22	63	R8	150	48	17.8	3	TP..2204PDTR	PM8×16		522-03314
EMP02-80R8TP22	80	R8	150	48	17.8	4	TP..2204PDTR	PM8×16		522-03316
EMP02-80R8TP16	80	R8	150	48	13.0	5	TP..1603PDTR	PM6×12		522-03318
EMP02-32ST30TP16	32	ST30	124	46	13.0	2	TP..1603PDTR	PM6×12	III	522-06302
EMP02-40ST30TP16	40	ST30	124	46	13.0	3	TP..1603PDTR	PM6×12		522-06304
EMP02-50ST30TP16	50	ST30	124	46	13.0	3	TP..1603PDTR	PM6×12		522-06306
EMP02-50ST30TP22	50	ST30	124	46	17.8	3	TP..2204PDTR	PM8×12		522-06308
EMP02-32ST40TP16	32	ST40	155	50	13.0	2	TP..1603PDTR	PM6×12		522-06310
EMP02-40ST40TP16	40	ST40	155	50	13.0	3	TP..1603PDTR	PM6×12		522-06312
EMP02-50ST40TP16	50	ST40	155	50	13.0	3	TP..1603PDTR	PM6×12		522-06314
EMP02-63ST40TP16	63	ST40	160	55	13.0	4	TP..1603PDTR	PM6×12		522-06316
EMP02-63ST40TP22	63	ST40	160	55	13.0	3	TP..2204PDTR	PM8×12		522-06318

* Insert is not included

Milling Tools

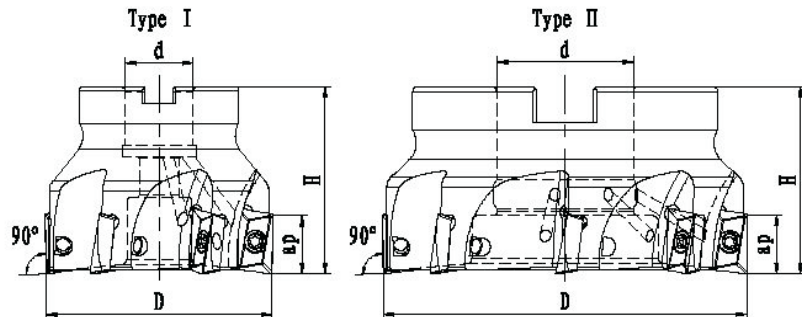
FMP01-AP 90° Square Shoulder Indexable Face Mills



Size	Cutting Diameter D	Arbor Hole d	Height H	ap	No. Of Insert	 Insert	 Screw	Type	Order#
FMP01-50A22AP16	50	22	45	14	5	APKT1604.	IM4×8	I	512-07102
FMP01-63A22AP16	63	22	50	14	6	APKT1604.	IM4×8		512-07104
FMP01-80A27AP16	80	27	50	14	7	APKT1604.	IM4×10		512-07106
FMP01-100B32AP16	100	32	50	14	8	APKT1604.	IM4×10	II	512-07108
FMP01-125B40AP16	125	40	63	14	9	APKT1604.	IM4×10		512-07110
FMP01-160B40AP16	160	40	63	14	10	APKT1604.	IM4×10		512-07112

* Insert is not included

FMP11-AP 90° Coolant Thru Face Mills

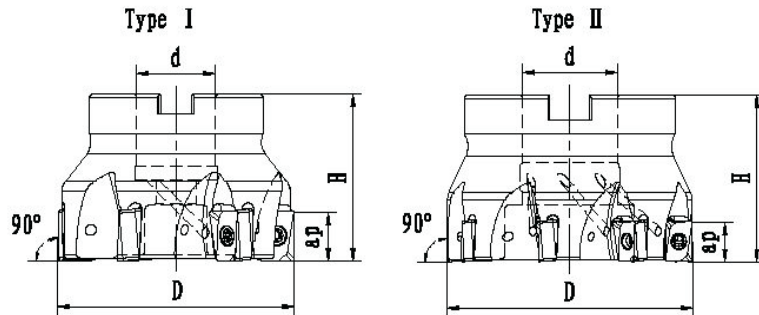


Size	Cutting Diameter D	Arbor Hole d	Height H	ap	No. Of Insert	 Insert	 Screw	Type	Order#
FMP11-50A22AP16	50	22	45	14	5	APKT1604.	IM4×8	I	512-27102
FMP11-63A22AP16	63	22	50	14	6	APKT1604.	IM4×8		512-27104
FMP11-80A27AP16	80	27	50	14	7	APKT1604.	IM4×10		512-27106
FMP11-100B32AP16	100	32	50	14	8	APKT1604.	IM4×10	II	512-27108
FMP11-125B40AP16	125	40	63	14	9	APKT1604.	IM4×10		512-27110
FMP11-160B40AP16	160	40	63	14	10	APKT1604.	IM4×10		512-27112

* Insert is not included

Milling Tools

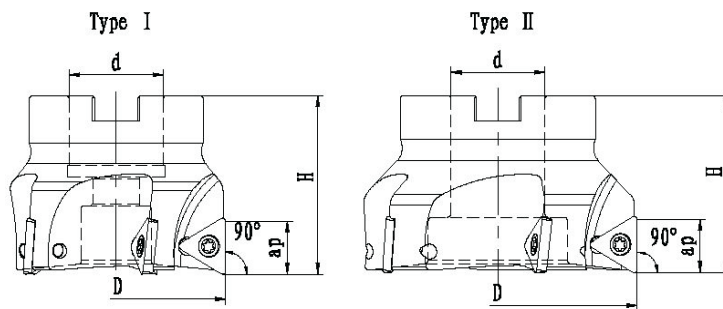
FMP11-AN 90° Coolant Thru Face Mills



Size	Cutting Diameter D	Arbor Hole d	Height H	ap	No. Of Insert	 Insert	 Screw	Type	Order#
FMP11-50A22AN15	50	22	45	14.5	4	ANGX150608PNR-GM	IM4×12	I	512-27202
FMP11-63A22AN15	63	22	45	14.5	5				512-27204
FMP11-80A27AN15	80	27	50	14.5	6				512-27206
FMP11-100B32AN15	100	32	63	14.5	8			II	512-27208
FMP11-125B40AN15	125	40	63	14.5	10				512-27210
FMP11-160B40AN15	160	40	63	14.5	12				512-27212

* Insert is not included

FMP01-TP 90° Square Shoulder Indexable Face Mills

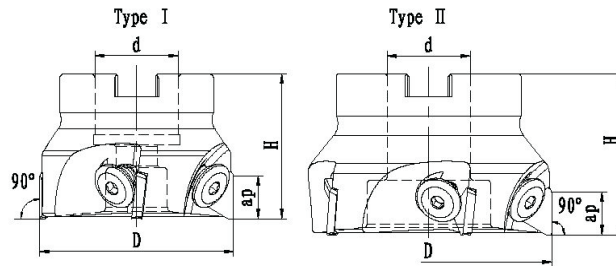


Size	Cutting Diameter D	Arbor Hole d	Height H	ap	No. Of Insert	 Insert	 Screw	Type	Order#
FMP01-40A16TP16	40	16	40	13	3	TP..1603PDTR	IM4×10	I	512-07302
FMP01-50A22TP16	50	22	40	13	4	TP..1603PDTR	IM4×10		512-07304
FMP01-63A22TP16	63	22	40	13	5	TP..1603PDTR	IM4×10		512-07306
FMP01-80A27TP16	80	27	50	13	5	TP..1603PDTR	IM4×10		512-07308
FMP01-100B32TP16	100	32	50	13	6	TP..1603PDTR	IM4×10	II	512-07310
FMP01-63A22TP22	63	22	40	17.8	3	TP..2204PDTR	IM5×12	I	512-07312
FMP01-80A27TP22	80	27	50	17.8	4	TP..2204PDTR	IM5×12		512-07314
FMP01-100B32TP22	100	32	50	17.8	5	TP..2204PDTR	IM5×12	II	512-07316
FMP01-125B40TP22	125	40	63	17.8	6	TP..2204PDTR	IM5×12		512-07318

* Insert is not included

Milling Tools

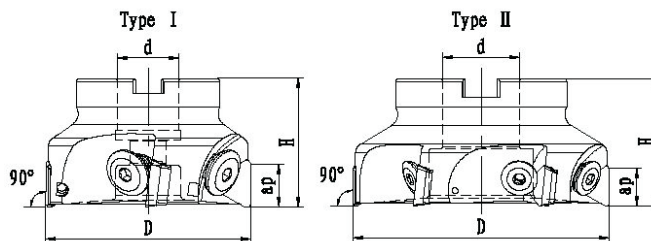
FMP03-TP 90° Square Shoulder Indexable Face Mills



Size	Cutting Diameter D	Arbor Hole d	Height H	ap	No. Of Insert	Insert	Screw	Type	Order#
FMP03-40A16TP16	40	16	40	13	3	TP..1603PDTR	SM612.14	I	532-07402
FMP03-50A22TP16	50	22	40	13	4	TP..1603PDTR	SM612.15		532-07404
FMP03-63A22TP16	63	22	45	13	4	TP..1603PDTR	SM815.18		532-07406
FMP03-80A27TP16	80	27	50	13	5	TP..1603PDTR	SM815.18		532-07408
FMP03-100B32TP16	100	32	50	13	6	TP..1603PDTR	SM815.18	II	532-07410
FMP03-63A22TP22	63	22	45	17.8	3	TP..2204PDTR	SM1018.22	I	532-07412
FMP03-80A27TP22	80	27	50	17.8	4	TP..2204PDTR	SM1018.22		532-07414
FMP03-100B32TP22	100	32	50	17.8	5	TP..2204PDTR	SM1018.22	II	532-07416
FMP03-125B40TP22	125	40	63	17.8	6	TP..2204PDTR	SM1018.22		532-07418
FMP03-160B40TP22	160	40	63	17.8	7	TP..2204PDTR	SM1018.22		532-07420

* Insert is not included

FMP03-TP/D 90° Square Shoulder Indexable Face Mills

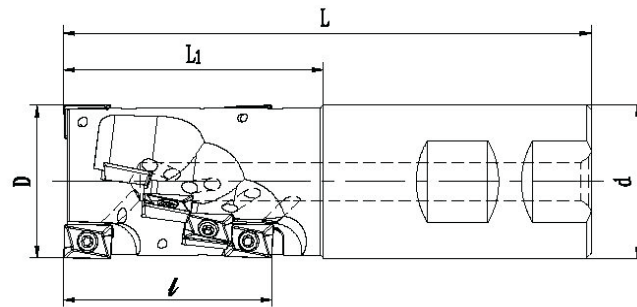


Size	Cutting Diameter D	Arbor Hole d	Height H	ap	No. Of Insert	Insert	Shim	Screw	Shim Screw	Type	Order#
FMP03-40A16TP16D	40	16	40	13	3	TP..1603PDTR	TP16D	SM612.14	M3×6.5-D5	I	532-07502
FMP03-50A22TP16D	50	22	40	13	4			SM612.15			532-07504
FMP03-63A22TP16D	63	22	45	13	4			SM815.18			532-07506
FMP03-80A27P16D	80	27	50	13	5			SM815.18			532-07508
FMP03-100B32TP16D	100	32	50	13	6			SM815.18		II	532-07510
FMP03-63A22TP22D	63	22	45	17.8	3	TP..2204PDTR	TP22D	SM1018.22	M3×6.5-D5	I	532-07512
FMP03-80A27TP22D	80	27	50	17.8	4			SM1018.22			532-07514
FMP03-100B32TP22D	100	32	50	17.8	5			SM1018.22		II	532-07516
FMP03-125B40TP22D	125	40	63	17.8	6			SM1018.22			532-07518
FMP03-160B40TP22D	160	40	63	17.8	7			SM1018.22			532-07520

* Insert is not included

Milling Tools

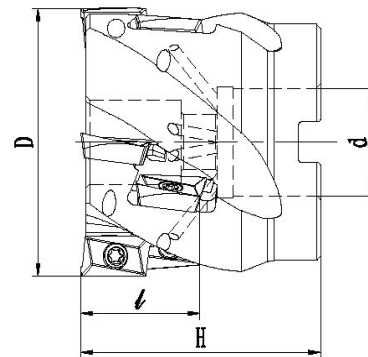
EMH11-AP Coolant Indexable WeLdon Shank End Mills Right hand Heavy duty cut



Size	Cutting Diameter D	Shank Size d	OAL L	Head Length L1	Cutting Length l	No. of Flutes	No. of Inserts	 Insert	 Screw	Order#
EMH11-20×25B20AP10	20	20	92	40	25	2	6	APKT1003.	IM2.5×6	513-21102
EMH11-25×34B25AP10	25	25	110	50	34	2	8	APKT1003.	IM2.5×6	513-21104
EMH11-32×42B32AP10	32	32	120	60	42	3	15	APKT1003.	IM2.5×7	513-21106
EMH11-40×50B40AP10	40	40	145	70	50	3	18	APKT1003.	IM2.5×7	513-21108
EMH11-40×54B40AP16	40	40	150	75	54	3	12	APKT1604.	IM4×8	513-21110
EMH11-50×54B40AP16	50	40	150	75	54	3	12	APKT1604.	IM4×10	513-21112
EMH11-50×54B50AP16	50	50	162	80	54	3	12	APKT1604.	IM4×10	513-21114

* Insert is not included

FMH11-AP Coolant Helical Shell Indexable Face Mills

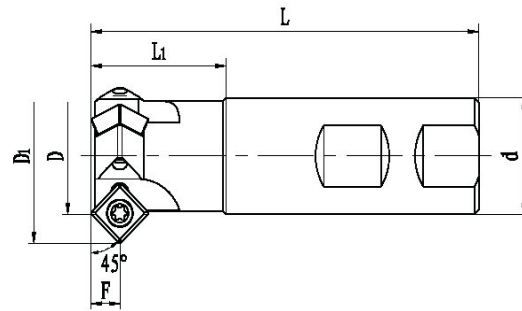


Size	Cutting Diameter D	Arbor Hole d	Height H	Cutting Length l	No. of Flutes	No. of Inserts	 Insert	 Screw	Order#
FMH11-40×28A16AP16	40	16	45	28	3	6	APKT1604.	IM4×10	513-27102
FMH11-50×28A22AP16	50	22	45	28	3	6	APKT1604.	IM4×10	513-27104
FMH11-50×41A22AP16	50	22	55	41	3	9	APKT1604.	IM4×10	513-27106
FMH11-63×28A27AP16	63	27	50	28	4	8	APKT1604.	IM4×10	513-27108
FMH11-63×54A27AP16	63	27	70	54	4	16	APKT1604.	IM4×10	513-27110
FMH11-80×28A32AP16	80	32	55	28	5	10	APKT1604.	IM4×10	513-27112
FMH11-80×68A32AP16	80	32	85	68	5	25	APKT1604.	IM4×10	513-27114

* Insert is not included

Milling Tools

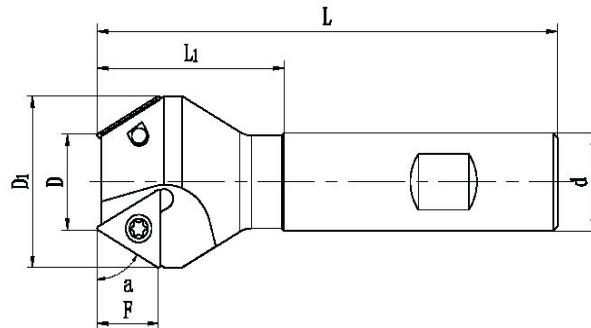
CMA01-SD09 45° Chamfering End Mills & SPMT Carbide Inserts



Size	Cutting Diameter D	Minimum Cutting Dia (D1)	Shank Size d	OAL L	Head Length L1	Maximum Chamfering Depth (F)	No. Of Insert	Insert	Screw	Order#
CMA01-13B20SD09	13	25	20	85	30	6	2	SD..09T308	IM3.5×8	519-01202
CMA01-16B20SD09	16	28	20	85	30	6	2		IM3.5×8	519-01204
CMA01-20B20SD09	20	32	20	85	30	6	2		IM3.5×8	519-01206
CMA01-28B25SD09	28	40	25	95	35	6	3		IM3.5×8	519-01208
CMA01-33B32SD09	33	45	32	100	35	6	3		IM3.5×8	519-01210
CMA01-38B32SD09	38	50	32	100	35	6	4		IM3.5×8	519-01212

* Insert is not included

Chamfering End Mills

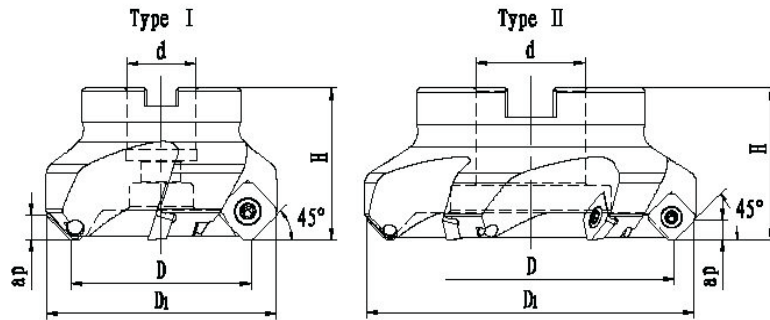


Size	a	Cutting Diameter D	Minimum Cutting Dia (D1)	Shank Size d	OAL L	Head Length L1	Maximum Chamfering Depth (F)	No. Of Insert	Insert	Screw	Order#
CM3001-10B20TC16	30°	10	36	20	100	35	7.5	2	TC..16T304	IM4×8	519-01102
CM3001-20B25TC16	30°	20	46	25	110	35	7.5	3		IM4×8	519-01104
CM3001-30B25TC16	30°	30	56	25	110	40	7.5	3		IM4×8	519-01106
CM4501-10B16TC16	45°	10	31.6	16	100	35	10.8	2		IM4×8	519-01112
CM4501-20B20TC16	45°	20	41.6	20	110	40	10.8	3		IM4×8	519-01114
CM4501-30B25TC16	45°	30	51.6	25	110	40	10.8	3		IM4×8	519-01116
CM6001-10B16TC16	60°	10	25.4	16	100	35	13.3	1		IM4×8	519-01122
CM6001-20B20TC16	60°	20	35.4	20	110	40	13.3	2		IM4×8	519-01124
CM6001-30B25TC16	60°	30	45.4	25	110	40	13.3	3		IM4×8	519-01126
CM7501-18B16TC16	75°	18	26	16	100	35	14.9	1		IM4×8	519-01132
CM7501-25B20TC16	75°	25	33	20	110	40	14.9	2		IM4×8	519-01134
CM7501-32B25TC16	75°	32	40	25	110	40	14.9	3		IM4×8	519-01136

* Insert is not included

Milling Tools

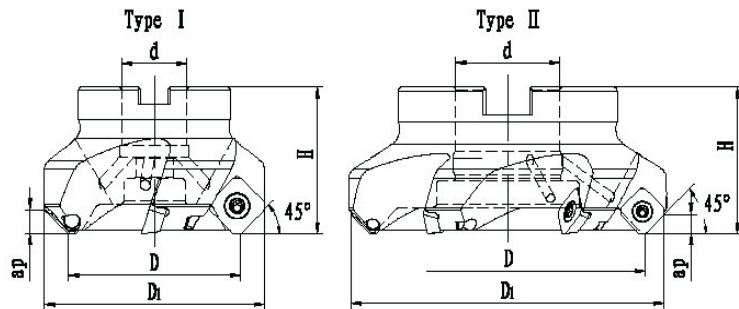
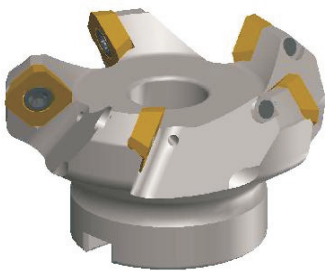
FMA01-SE1204 45° Indexable Face Mills



Size	Cutting Diameter D	Arbor Hole d	Height H	D1	ap	No. Of Insert	 Insert	 Screw	Type	Order#
FMA01-50A22SE12	50	22	40	62.5	6	4	SE...1204AFN	IM5×10	I	510-07102
FMA01-63A22SE12	63	22	40	75.5	6	5		IM5×10		510-07104
FMA01-80A27SE12	80	27	50	92.5	6	6		IM5×12		510-07106
FMA01-100B32SE12	100	32	50	112.5	6	6		IM5×12	II	510-07108
FMA01-125B40SE12	125	40	63	137.5	6	7		IM5×12		510-07110
FMA01-160B40SE12	125	40	63	172.5	6	8		IM5×12		510-07112

* Insert is not included

FMA11-SE1204 45° Coolant Thru Face Mills

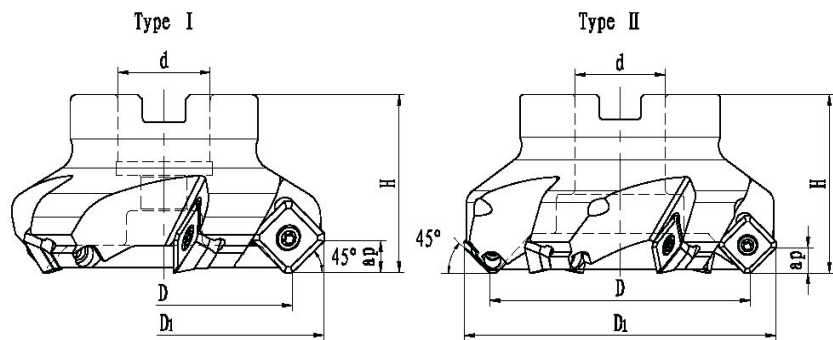
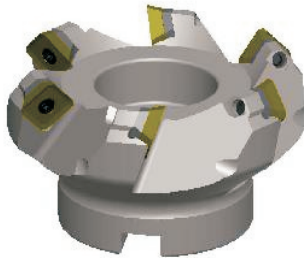


Size	Cutting Diameter D	Arbor Hole d	Height H	D1	ap	No. Of Insert	 Insert	 Screw	Type	Order#
FMA01-50A22SE12	50	22	40	62.5	6	4	SE...1204AFN	IM5×10	I	510-27102
FMA01-63A22SE12	63	22	40	75.5	6	5		IM5×10		510-27104
FMA01-80A27SE12	80	27	50	92.5	6	6		IM5×12		510-27106
FMA01-100B32SE12	100	32	50	112.5	6	6		IM5×12	II	510-27108
FMA01-125B40SE12	125	40	63	137.5	6	7		IM5×12		510-27110

* Insert is not included

Milling Tools

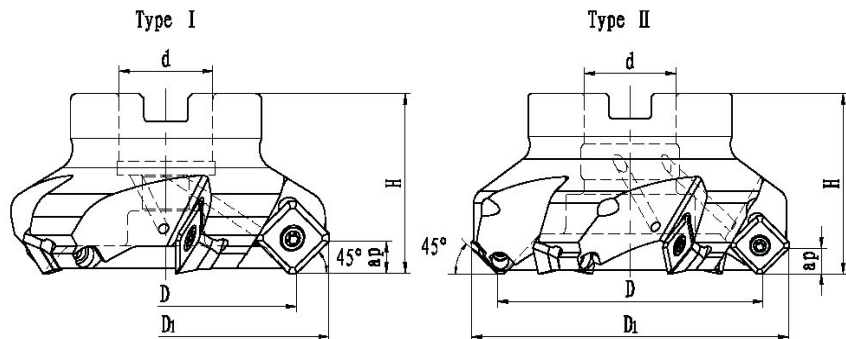
FMA01-SE13D 45° Indexable Face Mills



Size	Cutting Diameter D	Arbor Hole d	Height H	D1	ap	No. Of Insert t	Insert	Shim	Shim Screw	Screw	Type	Order#
FMA01-50A22SE13D	50	22	40	62.5	6	4	SE13T3	SE13D	SDN535	M3.5×12	I	510-07202
FMA01-63A22SE13D	63	22	40	75.5	6	5	SE13T3	SE13D				510-07204
FMA01-80A27SE13D	80	27	50	92.5	6	6	SE13T3	SE13D				510-07206
FMA01-100B32SE13D	100	32	50	112.5	6	7	SE13T3	SE13D			II	510-07208
FMA01-125B40SE13D	125	40	63	127.5	6	8	SE13T3	SE13D				510-07210

* Insert is not included

FMA11-SE13D 45° Coolant Thru Face Mills

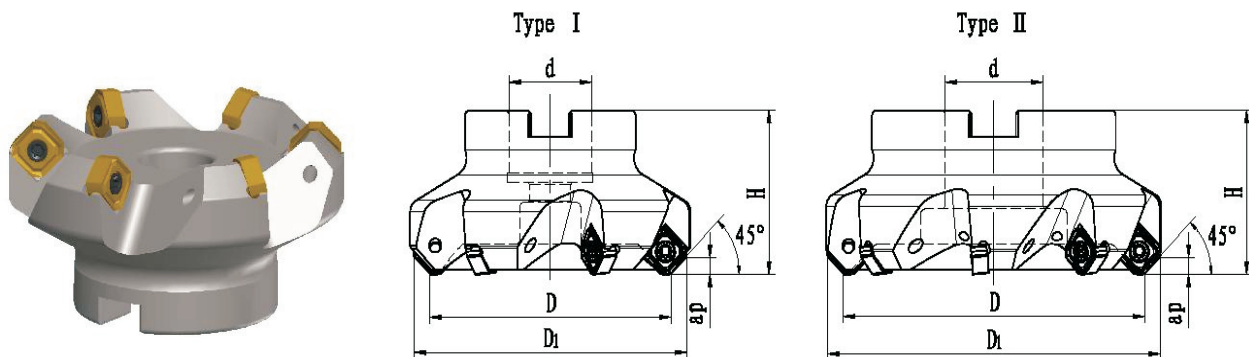


Size	Cutting Diameter D	Arbor Hole d	Height H	D1	ap	No. Of Insert t	Insert	Shim	Shim Screw	Screw	Type	Order#
FMA11-50A22SE13D	50	22	40	62.5	6	4	SE13T3	SE13D	SDN535	M3.5×12	I	510-27202
FMA11-63A22SE13D	63	22	40	75.5	6	5	SE13T3	SE13D				510-27204
FMA11-80A27SE13D	80	27	50	92.5	6	6	SE13T3	SE13D				510-27206
FMA11-100B32SE13D	100	32	50	112.5	6	7	SE13T3	SE13D			II	510-27208
FMA11-125B40SE13D	125	40	63	127.5	6	8	SE13T3	SE13D				510-27210

* Insert is not included

Milling Tools

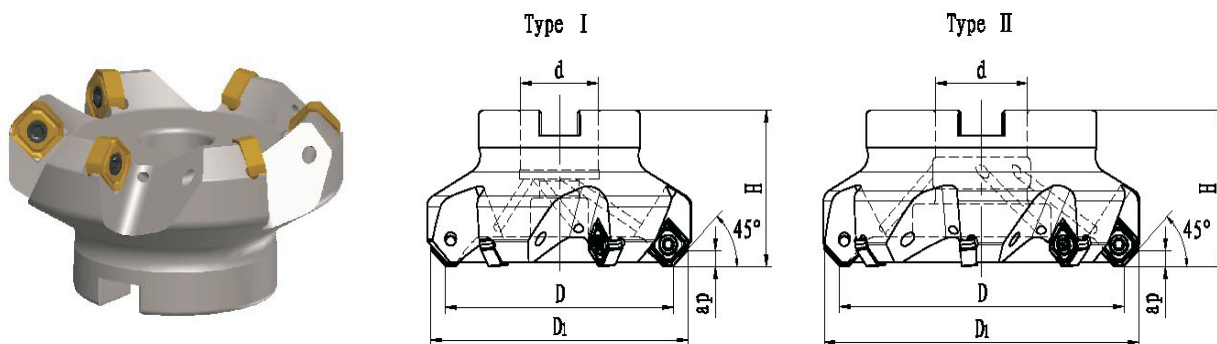
FMA01-SN 45° Indexable Face Mills



Size	Cutting Diameter D	Arbor Hole d	Height H	D1	ap	No. Of Insert	 Insert	 Screw	Type	Order#
FMA01-50A22SN12	50	22	45	61.5	5.5	4	SNEG1205ANR	IM4×12	I	510-07302
FMA01-63A22SN12	63	22	45	74.5	5.5	5	SNEG1205ANR	IM4×12		510-07304
FMA01-80A27SN12	80	27	50	91.5	5.5	6	SNEG1205ANR	IM4×12		510-07306
FMA01-100B32SN12	100	32	50	111.5	5.5	8	SNEG1205ANR	IM4×12	II	510-07308
FMA01-125B40SN12	125	40	63	136.5	5.5	10	SNEG1205ANR	IM4×12		510-07310
FMA01-160B40SN12	160	40	63	171.5	5.5	12	SNEG1205ANR	IM4×12		510-07312

* Insert is not included

FMA11-SN 45° Coolant Thru Face Mills

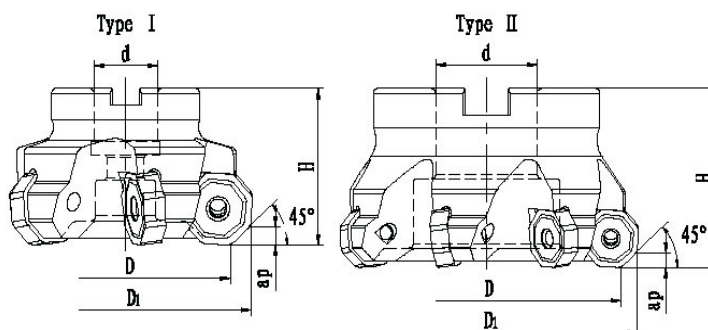


Size	Cutting Diameter D	Arbor Hole d	Height H	D1	ap	No. Of Insert	 Insert	 Screw	Type	Order#
FMA11-50A22SN12	50	22	45	61.5	5.5	4	SNEG1205ANR	IM4×12	I	510-27302
FMA11-63A22SN12	63	22	45	74.5	5.5	5	SNEG1205ANR	IM4×12		510-27304
FMA11-80A27SN12	80	27	50	81.5	5.5	6	SNEG1205ANR	IM4×12		510-27306
FMA11-100B32SN12	100	32	50	111.5	5.5	8	SNEG1205ANR	IM4×12	II	510-27308
FMA11-125B40SN12	125	40	63	136.5	5.5	10	SNEG1205ANR	IM4×12		510-27310
FMA11-160B40SN12	160	40	63	171.5	5.5	12	SNEG1205ANR	IM4×12		510-27312

* Insert is not included

Milling Tools

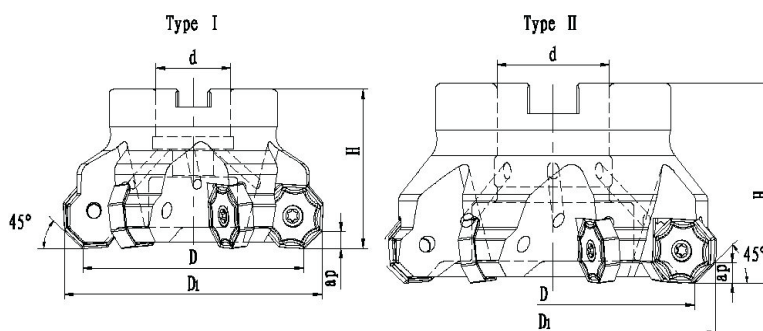
FMA01-ON08 45° Indexable Face Mill for Octagonal Double Side 16 Cutting Edge Insert



Size	Cutting Diameter D	Arbor Hole d	Height H	D1	ap	No. Of Insert	Insert	Screw	Type	Order#
FMA01-63A220N08	63	22	45	76.5	5	5	ONHU08..	IM5×14	I	510-07402
FMA01-80A270N08	80	27	50	93.5	5	6	ONHU08..	IM5×14		510-07404
FMA01-100B320N08	100	32	63	113.5	5	7	ONHU08..	IM5×14	II	510-07406
FMA01-125B400N08	125	40	63	138.5	5	8	ONHU08..	IM5×14		510-07408
FMA01-160B400N08	160	40	63	173.5	5	10	ONHU08..	IM5×14		510-07410

* Insert is not included

FMA11-ON08 45° Indexable Face Mill for Octagonal Double Side 16 Cutting Edge Insert (Coolant Thru Face Mills)

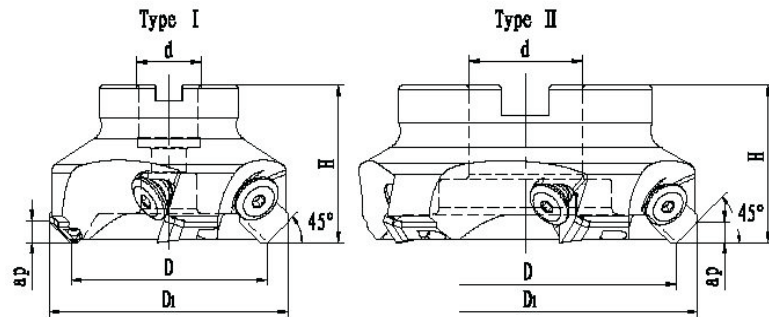


Size	Cutting Diameter D	Arbor Hole d	Height H	D1	ap	No. Of Insert	Insert	Screw	Type	Order#
FMA11-63A220N08	63	22	45	76.5	5	5	ONHU08..	IM5×14	I	510-27402
FMA11-80A270N08	80	27	50	93.5	5	6	ONHU08..	IM5×14		510-27404
FMA11-100B320N08	100	32	63	113.5	5	7	ONHU08..	IM5×14	II	510-27406
FMA11-125B400N08	125	40	63	128.5	5	8	ONHU08..	IM5×14		510-27408
FMA11-160B400N08	160	40	63	173.5	5	10	ONHU08..	IM5×14		510-27410

* Insert is not included

Milling Tools

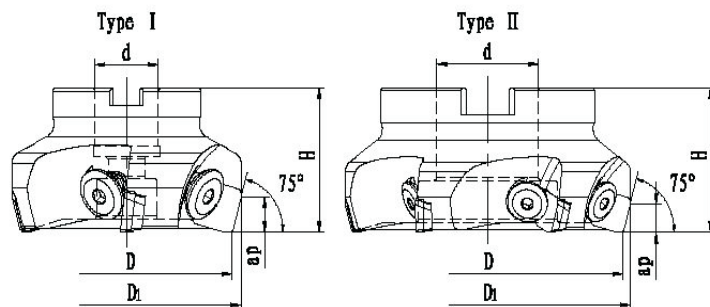
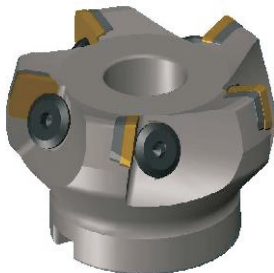
FMA03-SE/D 45° Indexable Face Mills



Size	Cutting Diameter D	Arbor Hole d	Height H	D1	ap	No. Of Insert	Insert	Shim	Shim Screw	Screw	Type	Order#
FMA03-50A22SE12D	50	22	48	63.5	6	3	SE..1203AFN	SE1203X	I86M4×7	FM815.18L	I	530-07502
FMA03-63A22SE12D	63	22	48	76.5	6	4						530-07504
FMA03-80A27SE12D	80	27	50	93.5	6	5						530-07506
FMA03-100B32SE12D	100	32	50	113.5	6	5					II	530-07508
FMA03-125B40SE12D	125	40	63	138.5	6	6						530-07510
FMA03-160B40SE12D	160	40	63	173.5	6	7						530-07512

* Insert is not included

FME03-SP/D 75° Indexable Face Mills

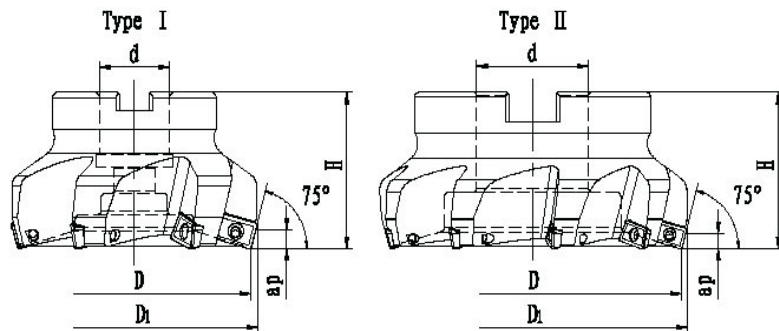


Size	Cutting Diameter D	Arbor Hole d	Height H	D1	ap	No. Of Insert	Insert	Shim	Shim Screw	Screw	Type	Order#
FME03-50A22SP12D	50	22	40	55	9.8	3	SP..1203EDR	SP1203ED	I86M4×7	SM815.18L	I	531-07202
FME03-63A22SP12D	63	22	40	68	9.8	4						531-07204
FME03-80A27SP12D	80	27	50	85	9.8	5						531-07206
FME03-100B32SP12D	100	32	50	105	9.8	5					II	531-07208
FME03-125B40SP12D	125	40	63	130	9.8	6						531-07210

* Insert is not included

Milling Tools

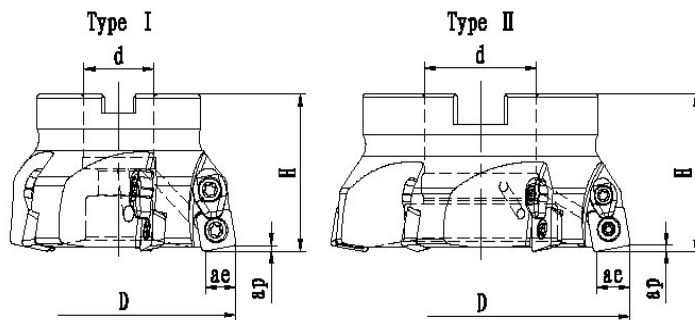
FME01-AP/AD 75° Indexable Face Mills



Size	Cutting Diameter D	Arbor Hole d	Height H	D1	ap	No. Of Insert	 Insert	 Screw	Type	Order#
FME01-63A22AP16	63	22	40	68.3	2.5	4	APKT1604.	IM4×10	I	511-07102
FME01-80A27AP16	80	27	50	85.3	2.5	5	APKT1604.	IM4×10		511-07104
FME01-100B32AP16	100	32	50	105.3	2.5	6	APKT1604.	IM4×10	II	511-07106
FME01-63A22AP10	63	22	40	66.6	2	6	APKT1003.	IM2.5×8	I	511-07108
FME01-80A27AP10	80	27	50	83.6	2	7	APKT1003.	IM2.5×8		511-07110
FME01-100B32AP10	100	32	50	103.6	2	9	APKT1003.	IM2.5×8	II	511-07112

* Insert is not included

FMX16-SD Coolant Thru High Feed Face Mills

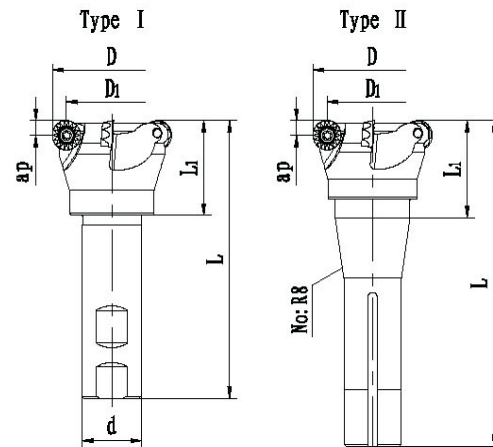


Size	Cutting Diameter D	Arbor Hole d	Height H	ap	ae	No. Of Insert t	 Insert	 Screw	 Clamp	Type	Order#
FMX16-50A22SD09	50	22	40	1.4	8.8	4	SDMT09T312	IM3.5×8	WD-104	I	569-27102
FMX16-63A22SD09	63	22	40	1.4	8.8	5	SDMT09T312	IM3.5×8	WD-104		569-27104
FMX16-80A27SD12	80	27	50	1.8	11.7	5	SDMT120412	IM4×10	WD-104		569-27106
FMX16-100B32SD12	100	32	50	1.8	11.7	6	SDMT120412	IM4×10	WD-104	II	569-27108

* Insert is not included

Milling Tools

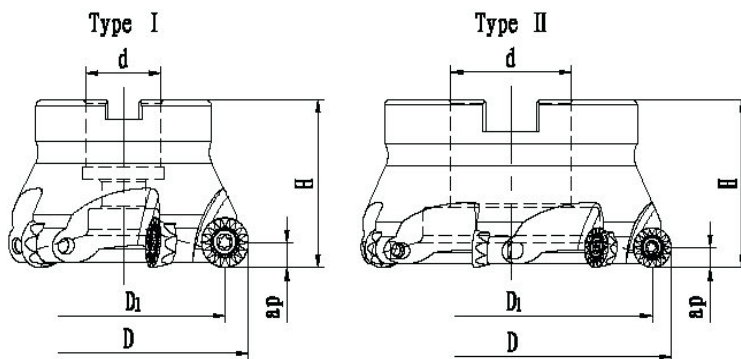
EMR01-RP12 Round Face milling Profiling & Copying End mills



Size	Cutting Diameter D	Shank Size d	OAL L	Head Length L1	D1	ap	No. Of Insert t	Insert	Screw	Type	Order#
EMR01-32B32RP12	32	B32	125	40	20	6	2	RP. . 1204MO	IM4×8	I	514-01102
EMR01-40B32RP12	40	B32	125	40	28	6	3	RP. . 1204MO	IM4×10		514-01104
EMR01-50B32RP12	50	32	125	40	38	6	4	RP. . 1204MO	IM4×10		514-01106
EMR01-32R8RP12	32	R8	142	40	20	6	2	RP. . 1204MO	IM4×10	II	514-03102
EMR01-40R8RP12	40	R8	142	40	28	6	3	RP. . 1204MO	IM4×10		514-03104
EMR01-50R8RP12	50	R8	145	45	38	6	4	RP. . 1204MO	IM4×10		514-03106
EMR01-63R8RP12	63	R8	145	45	51	6	5	RP. . 1204MO	IM4×10		514-03108

* Insert is not included

FMR01-RP12 Round Face milling Profiling & Copying Face Mills

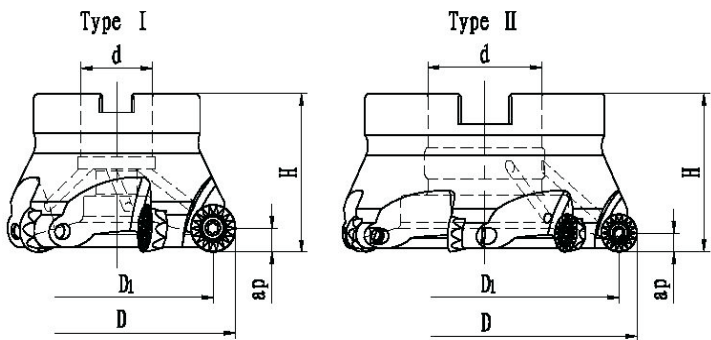


Size	Cutting Diameter D	Arbor Hole d	Height H	D1	ap	No. Of Insert t	Insert	Screw	Type	Order#
FMR01-50A22RP12	50	22	40	38	6	4	RP. . 1204MO	IM4×10	I	514-07102
FMR01-63A22RP12	63	22	40	51	6	5	RP. . 1204MO	IM4×10		514-07104
FMR01-80A27RP12	80	27	50	68	6	6	RP. . 1204MO	IM4×10		514-07106
FMR01-100B32RP12	100	32	50	88	6	7	RP. . 1204MO	IM4×10	II	514-07108
FMR01-125B40RP12	125	40	63	113	6	7	RP. . 1204MO	IM4×10		514-07110

* Insert is not included

Milling Tools

FMR11-RP12 Coolant Thru Round Face milling Profiling & Copying Face Mills



Size	Cutting Diameter D	Arbor Hole d	Height H	D1	ap	No. Of Insert	 Insert	 Screw	Type	Order#
FMR11-50A22RP12	50	22	40	38	6	4	RP..1204MO	IM4×10	I	514-27102
FMR11-63A22RP12	63	22	40	51	6	5	RP..1204MO	IM4×10		514-27104
FMR11-80A27RP12	80	27	50	68	6	6	RP..1204MO	IM4×10		514-27106
FMR11-100B32RP12	100	32	50	88	6	7	RP..1204MO	IM4×10	II	514-27108
FMR11-125B40RP12	125	40	63	113	6	7	RP..1204MO	IM4×10		514-27110

* Insert is not included

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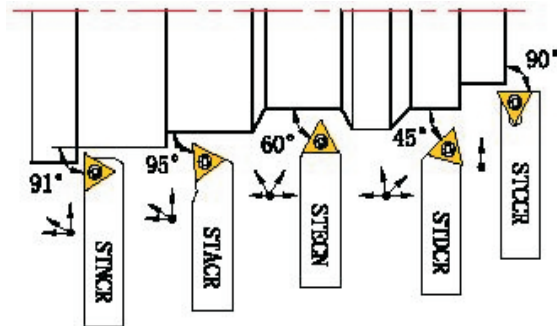
***Aluminum case, wooden box and plastic case are all available.**

***Pls specify the packing when placing order.**

Indexable Cutting Tool Holder Sets Series

New 5PCS Indexable Carbide Turning Tool Set

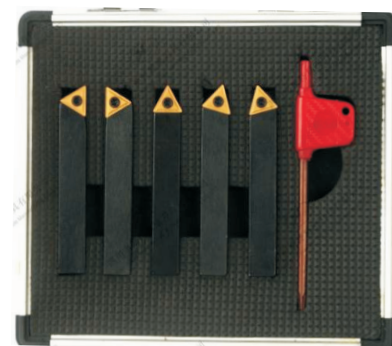
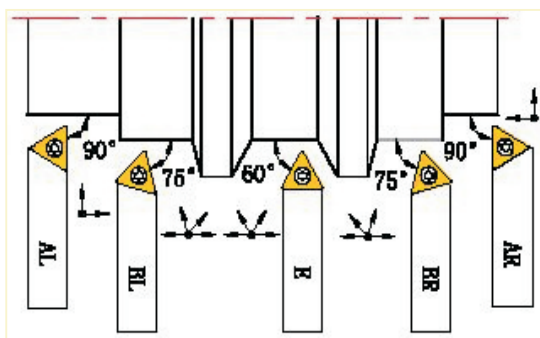
- Each set including 1pc each of STACR, STDCR, STNCR, STECN, STCCR turning tool holder and suitable wrenches.
- Suitable for varied external turning and end turning.
- Equippted carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.



Shank	Insert	Screw	Wrench	Order No. (insert without coating)	Order No. (insert with Tin coating)
8MM	TCMT090204	IM2.2×6	T6	WS01-08	WS01-08Tin
10MM	TCMT110204	IM2.5×7	T8	WS01-10	WS01-10Tin
12MM				WS01-12	WS01-12Tin
16MM	TCMT16T304	IM4×10	T15	WS01-16	WS01-16Tin
20MM				WS01-20	WS01-20Tin

Mini 5PCS Indexable Carbide Turning Tool Set

- Each set including 1pc each of AR, AL, BR, BL, E turning tool holder, 5PCS spare screws and 2PCS wrenches.
- Suitable for varied chamfering, v-grooving, external turning and end turning.
- Equippted carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.

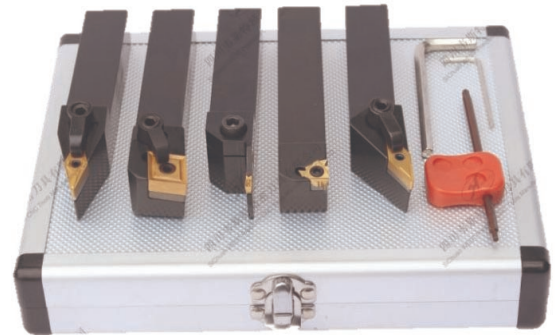
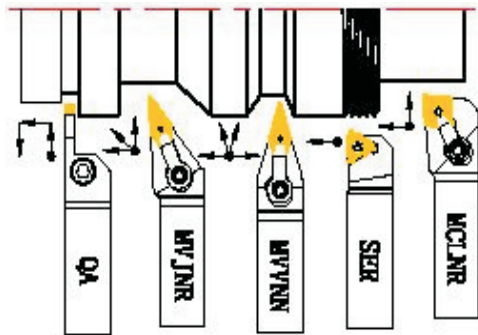


Shank	Insert	Screw	Wrench	Order No. (insert without coating)	Order No. (insert with Tin coating)
6MM	TCMT090204	IM2.2×6	T6	WS02-06	WS02-06Tin
8MM				WS02-08	WS02-08Tin
10MM	TCMT110204	IM2.5×7	T8	WS02-10	WS02-10Tin
12MM	TCMT16T304	IM4×10	T15	WS02-12	WS02-12Tin
16MM				WS02-16	WS02-16Tin
20MM				WS02-20	WS02-20Tin

Indexable Cutting Tool Holder Sets Series

5PCS Indexable Carbide Turning Tool Set

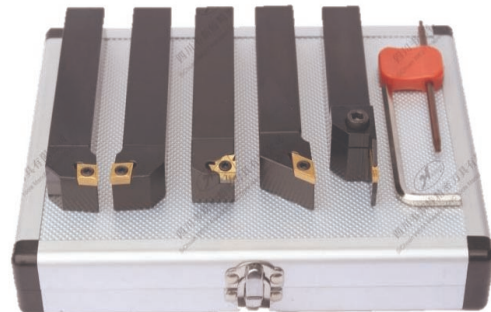
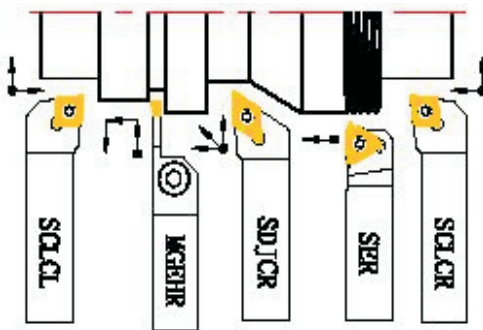
- Each set including 1pc each of MVJNR, MVVNN, MCLNR external turning tool holder, 1pc SER external threading tool holder, 1pc QA external grooving tool holder and suitable wrenches.
- Equipped carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.



Shank	Insert	Order No. (insert without coating)	Order No. (insert with Tin coating)
16MM	VNMG160408, CNMG120408, GTN-3, 16ERAG60	WS13-16	WS13-16Tin
20MM		WS13-20	WS13-20Tin
25MM	VNMG160408, CNMG120408, GTN-4, 16ERAG60	WS13-25	WS13-25Tin

5PCS Indexable Carbide Turning Tool Set

- Each set including 1pc each of SCLCR, SCLCL, SDJCR external turning tool holder, 1pc SER external threading tool holder, 1pc MGEHR external grooving tool holder
- Equipped carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.

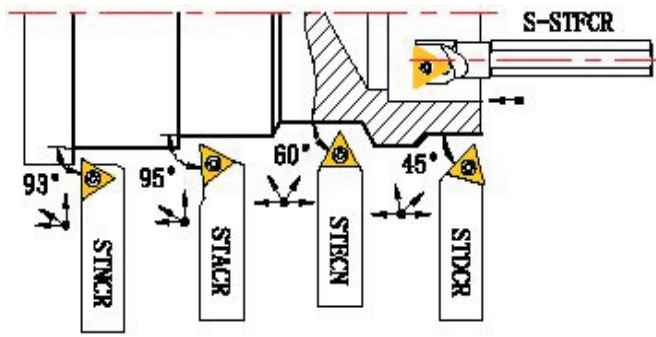


Shank	Insert	Screw	Wrench	Order No. (insert without coating)	Order No. (insert with Tin coating)
8MM	MGMN200 08ER A60 CCMT060204 DCMT070204	IM2.5×6 IM2.5×7 GB70-85 M4×12	T8 S3	WS12-08	WS12-08Tin
10MM	MGMN200 11ER A60 CCMT060204 DCMT070204	IM2.5×7 GB70-85 M4×12	T8 S3	WS12-10	WS12-10Tin
12MM				WS12-12	WS12-12Tin
16MM	MGMN300 16ER AG60 CCMT09T304 DCMT11T304	IM3.5×12 IM4×10 GB70-85 M5×16	T15 T15+S3.5 S4	WS12-16	WS12-16Tin
20MM				WS12-20	WS12-20Tin

Indexable Cutting Tool Holder Sets Series

4+1 5PCS Indexable Carbide Turning Tool Set

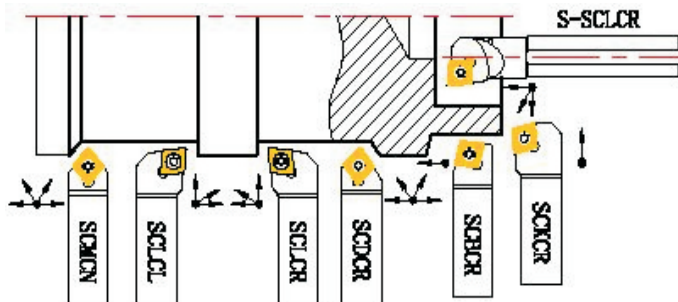
- Each set including 1pc each of STACR, STDCR, STNCR, STECN external turning holder, 1pc S-STFCR boring bar and suitable wrenches.
- Suitable for varied external/internal turning.
- Equipped carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.



Shank	Insert	Screw	Wrench	Order No. (insert without coating)	Order No. (insert with Tin coating)
6MM	TCMT090204	IM2.2×6	T6	WS03-06	WS03-06Tin
8MM				WS03-08	WS03-08Tin
10MM	TCMT090204	IM2.2×6	T6	WS03-10	WS03-10Tin
	TCMT110204	IM2.5×7	T8		
12MM	TCMT110204	IM2.5×6	T8	WS03-12	WS03-12Tin
		IM2.5×7			
16MM	TCMT110204	IM2.5×6	T8	WS03-16	WS03-16Tin
20MM	TCMT16T304	IM4×10	T15	WS03-20	WS03-20Tin

6+1 7PCS Indexable Carbide Turning Tool Set

- Each set including 1pc each of SCLCR, SCDRC, SCBCR, SCKCR, SCLCL, SCMCN external turning holder, 1pc S-SCLCR boring bar and suitable wrenches.
- Suitable for varied external/internal turning.
- Equipped carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.

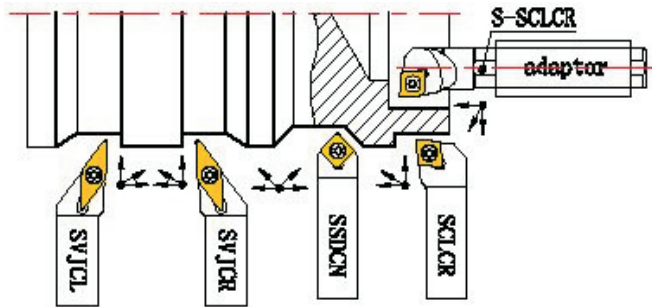


Shank	Insert	Screw	Wrench	Order No. (insert without coating)	Order No. (insert with Tin coating)
6MM	CCMT060204	IM2.5×6 IM2.5×7	T8	WS04-06	WS04-06Tin
8MM				WS04-08	WS04-08Tin
10MM				WS04-10	WS04-10Tin
12MM				WS04-12	WS04-12Tin
16MM	CCMT09T304	IM4×10	T15	WS04-16	WS04-16Tin
20MM				WS04-20	WS04-20Tin

Indexable Cutting Tool Holder Sets Series

Mini 4+2 Indexable Carbide Turning Tool Set

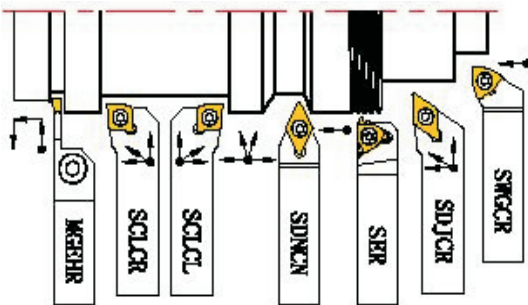
- Each set including 1pc each of SVJCR,SVJCL,SCLCR,SSDCN external turning holder,1pc S-SCLCR boring bar,1pc for boring bar,adapter is used for clamping boring bar.
- Suitable for varied external/internal turning.
- Equippted carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.



Shank	Insert	Screw	Wrench	Order No. (insert without coating)	Order No. (insert with Tin coating)
8MM	VCMT110204	IM2.5×7	T8	WS38-08	WS38-08Tin
10MM	CCMT060204			WS38-10	WS38-10Tin
12MM	SCMT060204			WS38-12	WS38-12Tin
16MM	VCMT160404 CCMT09T304 SCMT09T304	IM4×10	T15	WS38-16	WS38-16Tin

New 7PCS Indexable Carbide Turning Tool Set

- Each set including 1pc each of SCLCR,SCLCL,SDJCR.SDNCN.SWGCR external turning holder,1pc MGEHR grooving tool holder,1pc SER threading tool holder and suitable wrenches.
- Suitable for varied turning,grooving and threading.
- Equippted carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.

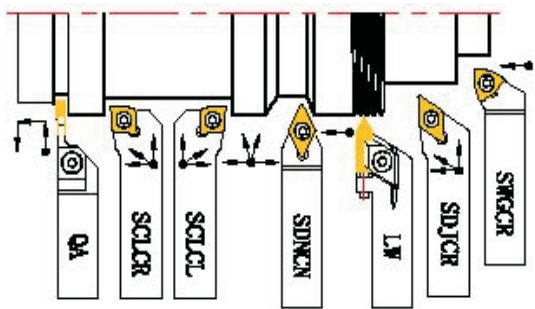


Shank	Insert	Screw	Wrench	Order No. (insert without coating)	Order No. (insert with Tin coating)
6MM	MGMN200 08ER A60	IM2.5×7	T8	WS05-06	WS05-06Tin
8MM	CCMT060204 DCMT070204 WCMT050304	IM3×8 70-85 M4×12	T10 S3	WS05-08	WS05-08Tin
10MM	MGMN200 11ER A60	IM2.5×7	T8	WS05-10	WS05-10Tin
12MM	CCMT060204 DCMT070204 WCMT050304	IM3×8 70-85 M4×12	T10 S3	WS05-12	WS05-12Tin
16MM	MGMN300 16ER AG60	IM3.5×12	T15	WS05-16	WS05-16Tin
20MM	CCMT09T304 DCMT11T304 WCMT06T304	IM4×10 GB70-85 M5×16	T15+S3.5 S4	WS05-20	WS05-20Tin

Indexable Cutting Tool Holder Sets Series

7PCS Indexable Carbide Turning Tool Set

- Each set including 1pc each of SCLCR, SCLCL, SDJCR, SDNCN, SWGCR external turning holder, 1pc QA grooving tool holder, 1pc SER external threading tool holder and suitable wrenches.
- Suitable for varied turning, grooving and threading.
- Equippted carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.



Shank	Insert	Screw	Wrench	Order No. (insert without coating)	Order No. (insert with Tin coating)
6MM	CK3 JCL15-120E CCMT060204	IM2. 5×7 IM3×8	T8 T10	WS06-06	WS06-06Tin
8MM	DCMT070204 WCMT050304	GB70-85 M4×12	S3	WS06-08	WS06-08Tin
10MM	CK3 JCL15-120E CCMT060204	IM2. 5×7 IM3×8	T8 T10	WS06-10	WS06-10Tin
12MM	DCMT070204 WCMT050304	GB70-85 M4×12	S3	WS06-12	WS06-12Tin
16MM	CK3 JCL20-120A CCMT09T304	IM4×10 GB70-85 M4×12	T15 S3	WS06-16	WS06-16Tin
20MM	DCMT11T304 WCMT06T304			WS06-20	WS06-20Tin

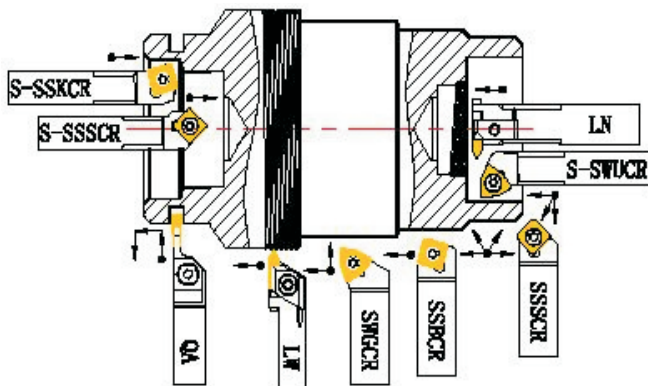


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Indexable Cutting Tool Holder Sets Series

9PCS Indexable Carbide Turning Tool Set

- Each set including 1pc each of SSSCR,SSBCR,SWGCR external turning tool holder,SSSCR,SSKCR,SWUCR internal bar, 1pc LW external threading tool holder,1 pc LN internal threading tool, 1 pc QA grooving tool holder and suitable wrenches.
- Suitable for varied turning,grooving and threading.
- Equippted carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.

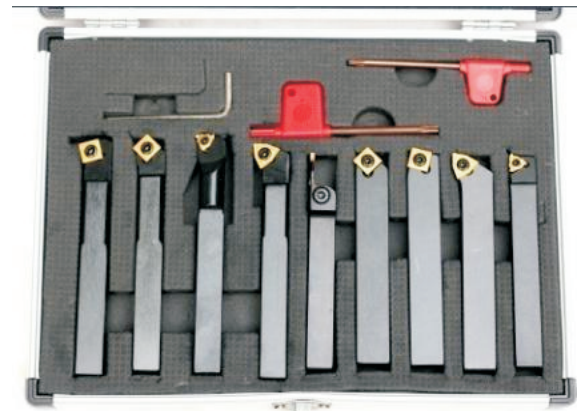
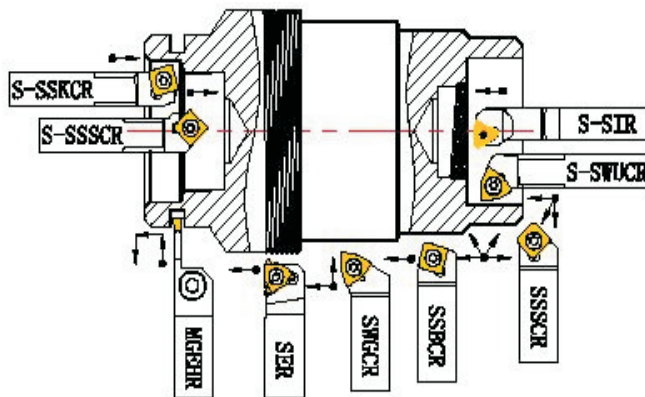


Shank	Insert	Screw	Wrench	Order No. (insert without coating)	Order No. (insert with Tin coating)
8MM	SCMT060204 WCMT050304 JCL15-120E JCL15-120I CK3	IM2.5×6 IM2.5×7 IM3×8 GB70-85 M4×12	T8 T10 S3	WS07-08C	WS07-08Tin
10MM	SCMT09T304 WCMT06T304 JCL15-120E JCL15-120I CK3	IM4×10 GB70-85 M4×12	T15 S3	WS07-10C	WS07-10Tin
12MM	SCMT09T304 WCMT06T304 JCL15-120E JCL15-120I CK3	IM4×10 GB70-85 M4×12	T15 S3	WS07-12C	WS07-12Tin
16MM	SCMT09T304 WCMT06T304 JCL20-120A JCL20-120I CK3	IM4×10 GB70-85 M4×12 GB70-85 M5×18	T15 S3 S4	WS07-16C	WS07-16Tin
20MM	SCMT09T304 WCMT06T304 JCL20-120A JCL20-120I CK3	IM4×10 GB70-85 M4×12 GB70-85 M5×18	T15 S3 S4	WS07-16C	WS07-20Tin

Indexable Cutting Tool Holder Sets Series

New 9PCS Indexable Carbide Turning Tool Set

- Each set including 1pc each of SSBCR, SSSCR, SWGCR external turning holder, 1pc each of S-SSKCR, S-SSSCR, S-SWUCR boring bar(square shank), 1pc MGEHR grooving tool holder, 1pc SER external threading tool holder, 1pc SIR internal threading tool and suitable wrenches.
- Suitable for varied grooving, external/internal turning and threading.
- Equippted carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.

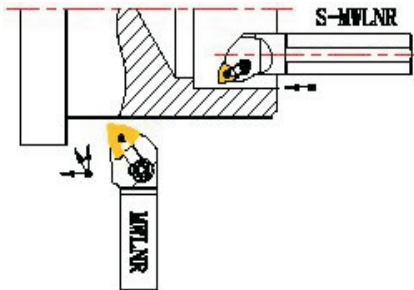


Shank	Insert	Screw	Wrench	Order No. (insert without coating)	Order No. (insert with Tin coating)
8MM	SCMT060204 WCMT050308 11IR A60 11ER A60 MGMN200	IM2.5×6 IM2.5×7 IM3×8 GB70-85 M4×12	T8 T10 S3	WS07-08C	WS07-08C Tin
10MM	SCMT060204 SCMT09T304 WCMT06T304 11IR A60 11ER A60 MGMN200	IM2.5×6 IM2.5×7 IM4×10 GB85 M4×12	T8 T15 S3	WS07-10C	WS07-10C Tin
12MM	SCMT09T304 WCMT06T304 11IR A60 11ER A60 MGMN200	IM2.5×7 IM4×10 GB85 M4×12	T8 T15 S3	WS07-12C	WS07-12C Tin
16MM	SCMT09T304 WCMT06T304 16IR AG60 16ER AG60 MGMN300	IM3.5×8 IM3.5×12 IM4×10 GB70-85 M5×16	T15+S3.5 S4	WS07-16C	WS07-16C Tin
20MM	SCMT09T304 WCMT06T304 16IR AG60 16ER AG60 MGMN300	IM3.5×8 IM3.5×12 IM4×10 GB70-85 M5×16	T15+S3.5 S4	WS07-16C	WS07-20C Tin

Indexable Cutting Tool Holder Sets Series

2PCS Indexable Carbide Turning Tool Set

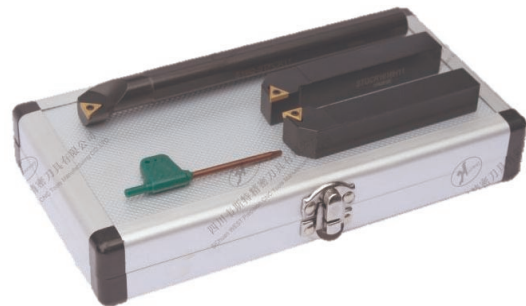
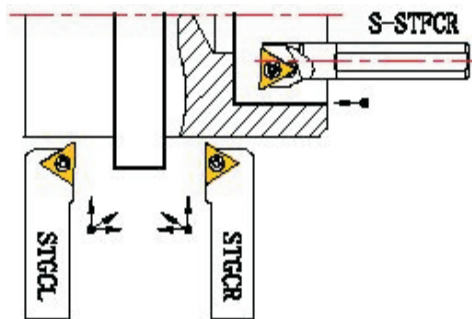
- Each set including 1pc each of MWLNR external turning tool holder and S-MWLNR boring bar and suitable wrenches.
- Suitable for external turning and boring.
- Equipped carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.



Shank	Insert	锁紧销	压板	Order No. (insert without coating)	Order No. (insert with Tin coating)
16MM	WNMG060408	NL-0414 NL-0410	CL-6	WS09-16	WS09-16Tin
20MM	WNMG080408	NL-0617 NL-0611	CL-12 CL-6	WS09-20	WS09-20Tin
25MM	WNMG080408	NL-0617 NL-0611	CL-12 CL-6	WS09-25	WS09-25Tin

2+1 3PCS Indexable Carbide Turning Tool Set

- Each set including 1pc each of STGCR, STGCL external turning tool holder, 1pc of S-STFCR boring bar and suitable wrenches.
- Suitable for 90° external turning and boring.
- Equipped carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.

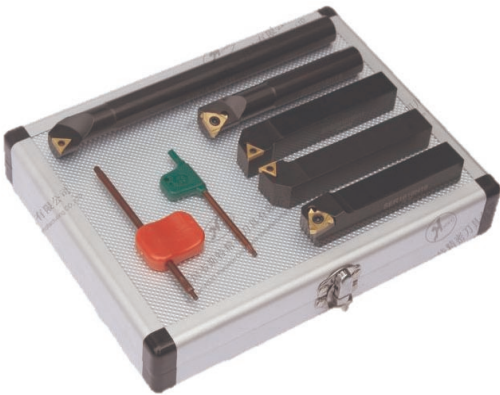
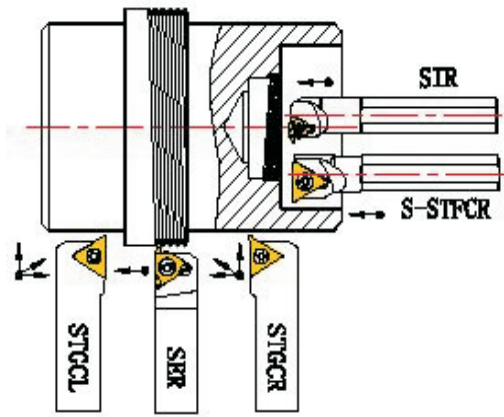


Shank	Insert	Screw	Wrench	Order No. (insert without coating)	Order No. (insert with Tin coating)
6MM	TCMT090204	IM2.2×6	T6	WS10-6	WS10-6Tin
8MM				WS10-8	WS10-8Tin
10MM	TCMT110204	IM2.5×6 IM2.5×7	T8	WS10-10	WS10-10Tin
12MM				WS10-12	WS10-12Tin
16MM				WS10-16	WS10-16Tin
20MM	TCMT16T304	IM4×10	T15	WS10-20	WS10-20Tin

Indexable Cutting Tool Holder Sets Series

5PCS Indexable Carbide Turning Tool Set

- Each set including 1pc each of STGCR,STGCL external turning tool holder ,1pc SER external threading tool holder 1pc S-STFCR boring bar,1pc SIR internal threading tool and suitable wrenches.
- Suitable for 90° external turning/ boring and threading.
- Equippted carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.

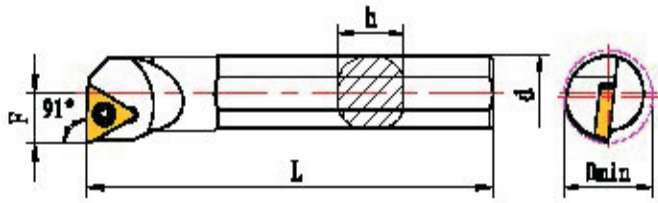


Shank	Insert	Screw	Wrench	Order No. (insert without coating)	Order No. (insert with Tin coating)
8MM	TCMT110204 08NR A60 08ER A60	IM2.5×6 IM2.5×7	T8	WS11-08	WS11-08Tin
10MM	TCMT110204 11NR A60 11ER A60	IM2.5×6 IM2.5×7	T8	WS11-10	WS11-10Tin
12MM				WS11-12	WS11-12Tin
16MM				WS11-16	WS11-16Tin
20NN	TCMT16T304 16NR AG60 16ER AG60	IM3.5×8 IM3.5×12 IM4×10	T15 T15+S3.5	WS11-20	WS11-20Tin
25MM				WS11-25	WS11-25Tin

Indexable Cutting Tool Holder Sets Series

Indexable Carbide Borin Bar Set(S-STFCR, Kr=90°)

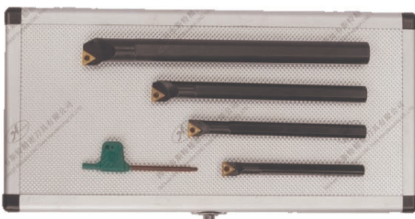
- Suitable for varied internal turning.
- Equippted carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.



Shank d	Model	Insert	Min Bore	Order No. (insert without coating)	Order No. (insert with Tin coating)
8MM	S08H-STFCR11	TCMT110204	0.438	WS14-0-08	WS14-0-08Tin
10MM	S10M-STFCR11	TCMT110204	0.500	WS14-0-10	WS14-0-10Tin
12MM	S12Q-STFCR11	TCMT110204	0.625	WS14-0-12	WS14-0-12Tin
16MM	S16R-STFCR11	TCMT110204	0.812	WS14-0-16	WS14-0-16Tin
20MM	S20S-STFCR16	TCMT16T304	1	WS14-0-20	WS14-0-20Tin



3PCS



4PCS



5PCS

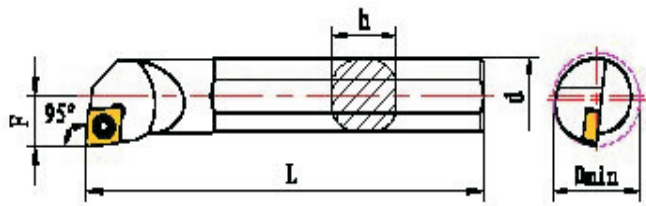
Sets size

SETS	包含型号	Insert	Screw	Order No. (insert without coating)	Order No. (insert with Tin coating)
3PCS	8MM, 10MM, 12MM	TCMT110204	IM2.5×6	WS14-1	WS14-1Tin
	10MM, 12MM, 16MM	TCMT110204	IM2.5×6	WS14-2	WS14-2Tin
	12MM, 16MM, 20MM	TCMT110204 TCMT16T304	IM2.5×6 IM4×10	WS14-6	WS14-6Tin
4PCS	8MM, 10MM, 12MM, 16MM	TCMT110204	IM2.5×6	WS15-3	WS15-3Tin
	10MM, 12MM, 16MM, 20MM	TCMT110204 TCMT16T304	IM2.5×6 IM4×10	WS15-4	WS15-4Tin
5PCS	8MM, 10MM, 12MM 16MM, 20MM	TCMT110204 TCMT16T304	IM2.5×6 IM4×10	WS16-2	WS16-2Tin

Indexable Cutting Tool Holder Sets Series

Indexable Carbide Boring Bar Set (S-SCLCR, Kr=95°)

- Suitable for varied internal turning.
- Equippted carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.



Shank d	型 号	Insert	Min Bore	Order No. (insert without coating)	Order No. (insert with Tin coating)
8MM	S08H-SCLCR06	CCMT060204	11	WS17-0-08	WS17-0-08Tin
10MM	S10M-SCLCR06	CCMT060204	13	WS17-0-10	WS17-0-10Tin
12MM	S12Q-SCLCR06	CCMT060204	16	WS17-0-12	WS17-0-12Tin
16MM	S16R-SCLCR09	CCMT09T304	20	WS17-0-16	WS17-0-16Tin
20MM	S20S-SCLCR09	CCMT09T304	25	WS17-0-20	WS17-0-20Tin



3PCS



4PCS



5PCS

Set size

Set	Size included	Insert	Screw	Order No. (insert without coating)	Order No. (insert with Tin coating)
3PCS	8MM, 10MM, 12MM	CCMT060204	IM2. 5×6	WS17-4	WS17-4Tin
	10MM, 12MM, 16MM	CCMT060204 CCMT09T304	IM2. 5×6 IM4×10	WS17-5	WS17-5Tin
	12MM, 16MM, 20MM	CCMT060204 CCMT09T304	IM2. 5×6 IM4×10	WS17-6	WS17-6Tin
4PCS	8MM, 10MM, 12MM, 16MM	CCMT060204 CCMT09T304	IM2. 5×6 IM4×10	WS18-2	WS18-2Tin
	10MM, 12MM, 16MM, 20MM	CCMT060204 CCMT09T304	IM2. 5×6 IM4×10	WS18-1	WS18-1Tin
5PCS	8MM, 10MM, 12MM 16MM, 20MM	CCMT060204 CCMT09T304	IM2. 5×6 IM4×10	WS19-2	WS19-2Tin

Indexable Cutting Tool Holder Sets Series

3PCS Indexable Carbide Boring Bar Set

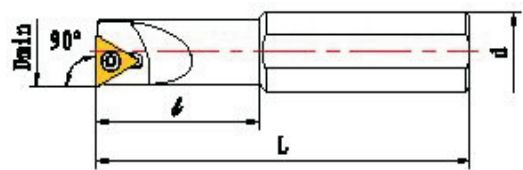
- Each set including 1pc each of 95° S-SCLCR, 90° S-STFCR, 107.5° S-SDQCR internal boring bar and suitable wrenches
- Equippted carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.



Shank	Insert	Screw	Wrench	Order No. (insert without coating)	Order No. (insert with Tin coating)
8MM	CCMT060204 TCMT090204 DCMT070204	IM2.2×6 IM2.5×6	T6 T8	WS27-08	WS27-08Tin
10MM	CCMT060204 TCMT110204 DCMT070204	IM2.5×6	T8	WS27-10	WS27-10Tin
12MM				WS27-12	WS27-12Tin
16MM	CCMT09T304 TCMT16T304 DCMT11T304	IM4×10	T15	WS27-16	WS27-16Tin
20MM				WS27-20	WS27-20Tin

90° Indexable Carbide Boring Bar Set

- Suitable for varied internal turning.
- Equippted carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.



Indexable Cutting Tool Holder Sets Series

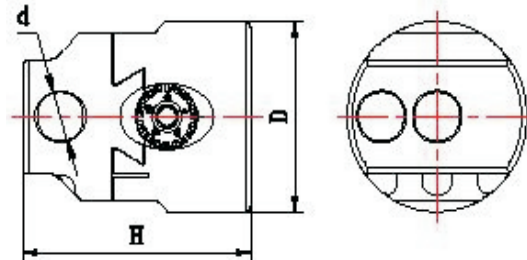
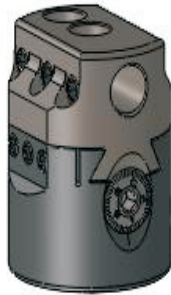
Set size

SET	Shank d	Min Bore Dmin	Bore Depth	Insert	Order No. (insert without coating)	Order No. (insert with Tin coating)
4PCS	12	11	32	TCMT110204	WS20-12	WS20-12Tin
		11	54			
		12	38			
		12	63			
6PCS	16	11	32	TCMT110204	WS21-16	WS21-16Tin
		11	54			
		12	38			
		12	63			
		14	45	TCMT110304		
		14	73			
6PCS	18	12	42	TCMT110204	WS21-18	WS21-18Tin
		12	67			
		14	48	TCMT110304		
		14	67			
		16	57			
		16	90			
8PCS	20	11	35	TCMT110204	WS24-20	WS24-20Tin
		11	57			
		12.5	41			
		12.5	67			
		14	47	TCMT110304		
		14	76			
		17.5	57			
		17.5	89			

Indexable Cutting Tool Holder Sets Series

TF1 Style Boring Heads

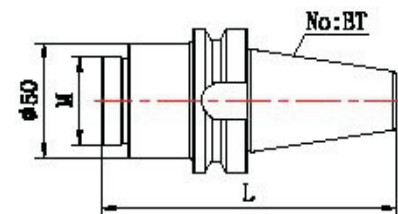
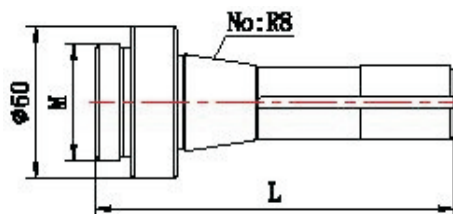
- Direct reading dial screw.
- Bar holder moves freely and smoothly.
- Design assures superior rigidity for chatter-free boring and precise hole size accuracy.
- Made of alloy forged steel.
 - Electrolysis nickel coating.
- Threaded back for adapting to boring shank.



Model	D	H	Boring Bar Dia.	Min. Graduation	Dia. of Boring	Order No.
TF1-50	50	61.5	16	0.01mm	10~125	WS41-50
TF1-75	75	80.2	18	0.01mm	12~225	WS41-75
TF1-100	100	93	25	0.01mm	15~320	WS41-100

TF1 Style Boring Shanks

- Made of alloy forged steel.
- Electrolysis nickel coating.
- Superior craftsmanship.

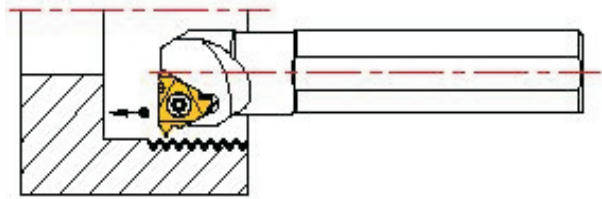


Model	Shank	L	ORDER NO.	Model	Shank	L	Order No.
MS2-TF1. S	MS2	93	WS42-1	R8-TF1	R8	132.5	WS42-9
MS2-TF1	MS2	108	WS42-2	JT40-TF1	JT40	135	WS42-10
MS3-TF1. S	MS3	110	WS42-3	JT50-TF1	JT50	168	WS42-11
MS3-TF1	MS3	128	WS42-4	BT40-TF1	BT40	122.4	WS42-12
MS4-TF1. S	MS4	133	WS42-5	BT50-TF1	BT50	168	WS42-13
MS4-TF1	MS4	154	WS42-6				
MS5-TF1. S	MS5	160	WS42-7				
MS5-TF1	MS5	186	WS42-8				

Indexable Cutting Tool Holder Sets Series

Indexable Carbide Internal Threading Tool Holder Set

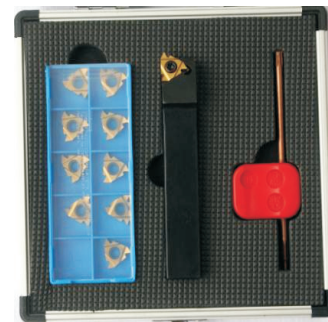
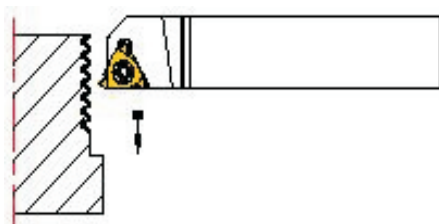
- Each set including 1pc of internal threading tool (without insert), 1pc each of 1.75ISO, 2.0ISO, 2.5ISO, 3.0ISO threading insert and suitable wrench.
- Suitable for varied pitch internal threading.
- Equippted carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.



Shank	Model	Screw	Wrench	Insert	Order No. (insert with Tin coating)
16MM	SIR0016M16	IM3.5×8	T15	16IR Series (10PCS: A60, G60, 0.75ISO, 1.0ISO, 1.25ISO, 1.5ISO, 1.75ISO, 2.0ISO, 2.5ISO, 3.0ISO)	W28-16Tin
20MM	SIR0020P16	IM3.5×12 SDN535	T15+S3.5		W28-20Tin
25MM	SIR0025R16				W28-25Tin

Indexable Carbide External Threading Tool Holder Set

- Each set including 1pc of external threading tool holder(without insert), 1pc each of 1.75ISO, 2.0ISO, 2.5ISO, 3.0ISO threading insert and suitable wrench.
- Suitable for varied pitch external threading.
- Equippted carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.

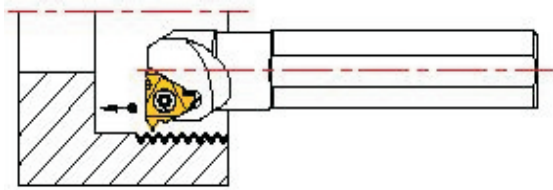


Shank	Model	Screw	Wrench	Insert	Order No. (insert with Tin coating)
16MM	SER1616H16	IM3.5×12 SDN535	T15+S3.5	16IR Series (10PCS: A60, G60, 0.75ISO, 1.0ISO, 1.25ISO, 1.5ISO, 1.75ISO, 2.0ISO, 2.5ISO, 3.0ISO)	W29-16Tin
20MM	SER2020K16				W29-20Tin
25MM	SER2525M16				W29-25Tin

Indexable Cutting Tool Holder Sets Series

5PCS Indexable Carbide Internal Threading Tool Holder Set

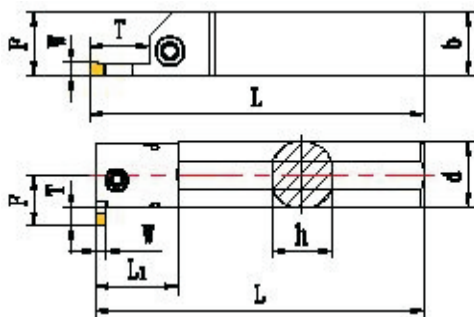
- Each set including 1pc each of 8,10,12,16,20mm internal threading tool (with insert) and suitable wrenches.
- Suitable for varied pitch internal threading.
- Equippted carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.



Shank	Model	Insert	Screw	Wrench	Order No. (insert with Tin coating)
8MM	SIR0008H08	08IR A60	IM2. 5×6	T6	WS30-1Tin
10MM	SIR0010H11	11IR A60			
12MM	SIR0012K11				
16MM	SIR0016M16	16IR AG60	IM3. 5×8	T15	
20MM	SIR0020P16		IM3. 5×12	T15+S3. 5	

External & Internal Grooving Set

- Each set including 1pc external grooving tool holder (MGEHR), 1pc internal grooving tool (S-MGIVR), 10PCS grooving inserts and suitable wrenches.
- Suitable for varied external & internal grooving.
- Equippted carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.

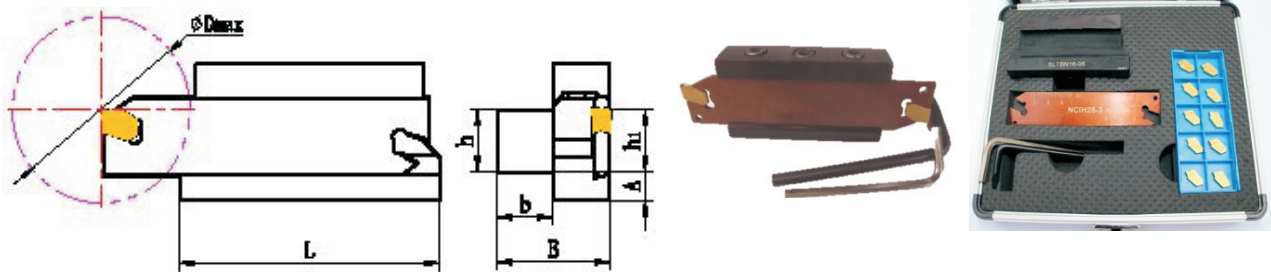


Shank	Model	F	T	Insert	Order No. (insert with Tin coating)
16MM	MGEHR1616H02	16.2	14.5	MGMN200	WS40-16Tin
	S16K-MGIVR02	12.4	5		
20MM	MGEHR2020K03	20.3	18	MGMN300	WS40-20Tin
	S20M-MGIVR03	15.6	6		
25MM	MGEHR2525M04	25.4	18	MGMN400	WS40-25Tin
	S25R-MGIVR04	18.9	6		

Indexable Cutting Tool Holder Sets Series

Cut-off Grooving Set

- Each set including 1pc block (SLTBN), 1pc or N pcs blades (NCIH), inserts (GTN) and suitable wrenches.
- Suitable for varied grooving.
- Equippted carbide inserts for Semi-finishing/roughing machining of steel.
- Packed in perfect aluminium case or wooden case.



Set 1: Including 1pc block (SLTBN), 1pc blade (NCIH), 2PCS inserts (GTN) and suitable wrenches.

Shank	Block	Blade	Insert	Order No. (insert without coating)	Order No. (insert with Tin coating)
6MM	SLTBN06-02	NCIH19-2 1pc	GTN-2 2pcs	WS32-1-1	WS32-1-1Tin
		NCIH19-3 1pc	GTN-3 2pcs	WS32-1-11	WS32-1-11Tin
8MM	SLTBN08-02	NCIH19-2 1pc	GTN-2 2pcs	WS32-1-2	WS32-1-2Tin
		NCIH19-3 1pc	GTN-3 2pcs	WS32-1-12	WS32-1-12Tin
10MM	SLTBN10-02	NCIH19-2 1pc	GTN-2 2pcs	WS32-1-3	WS32-1-3Tin
		NCIH19-3 1pc	GTN-3 2pcs	WS32-1-13	WS32-1-13Tin
12MM	SLTBN12-02	NCIH19-2 1pc	GTN-2 2pcs	WS32-1-4	WS32-1-4Tin
		NCIH19-3 1pc	GTN-3 2pcs	WS32-1-14	WS32-1-14Tin
16MM	SLTBN16-02	NCIH19-2 1pc	GTN-2 2pcs	WS32-1-5	WS32-1-5Tin
		NCIH19-3 1pc	GTN-3 2pcs	WS32-1-15	WS32-1-15Tin
16MM	SLTBN16-05	NCIH26-2 1pc	GTN-2 2pcs	WS32-1-16	WS32-1-16Tin
		NCIH26-3 1pc	GTN-3 2pcs	WS32-1-6	WS32-1-6Tin
20MM	SLTBN20-05	NCIH26-2 1pc	GTN-2 2pcs	WS32-1-17	WS32-1-17Tin
		NCIH26-3 1pc	GTN-3 2pcs	WS32-1-7	WS32-1-7Tin
20MM	SLTBN20-06	NCIH32-3 1pc	GTN-3 2pcs	WS32-1-8	WS32-1-8Tin
		NCIH32-4 1pc	GTN-4 2pcs	WS32-1-18	WS32-1-18Tin
25MM	SLTBN25-06	NCIH32-3 1pc	GTN-3 2pcs	WS32-1-9	WS32-1-9Tin
		NCIH32-4 1pc	GTN-4 2pcs	WS32-1-19	WS32-1-19Tin
32MM	SLTBN32-06	NCIH32-3 1pc	GTN-3 2pcs	WS32-1-10	WS32-1-10Tin
		NCIH32-4 1pc	GTN-4 2pcs	WS32-1-20	WS32-1-20Tin

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Set 2: Including 1pc block (SLTBN), 2PCS blade (NCIH), 4PCS (2PCS+2PCS) inserts (GTN) and suitable wrenches

Shank	Block	Blade	Insert	Order No. (insert without coating)	Order No. (insert with Tin coating)
6MM	SLTBN06-02	NCIH19-2 1pc NCIH19-3 1pc	GTN-2 2pcs GTN-3 2pcs	WS32-2-6	WS32-2-6Tin
8MM	SLTBN08-02			WS32-2-7	WS32-2-7Tin
10MM	SLTBN10-02			WS32-2-8	WS32-2-8Tin
12MM	SLTBN12-02			WS32-2-9	WS32-2-9Tin
16MM	SLTBN16-02			WS32-2-10	WS32-2-10Tin
16MM	SLTBN16-05	NCIH26-2 1pc	GTN-2 2pcs	WS32-2-11	WS32-2-11Tin
20MM	SLTBN20-05	NCIH26-3 1pc	GTN-3 2pcs	WS32-2-12	WS32-2-12Tin
16MM	SLTBN16-05	NCIH26-3 1pc	GTN-3 2pcs	WS32-2-1	WS32-2-1Tin
20MM	SLTBN20-05	NCIH26-4 1pc	GTN-4 2pcs	WS32-2-2	WS32-2-2Tin
20MM	SLTBN20-06	NCIH32-3 1pc NCIH32-4 1pc	GTN-3 2pcs GTN-4 2pcs	WS32-2-3	WS32-2-3Tin
25MM	SLTBN25-06			WS32-2-4	WS32-2-4Tin
32MM	SLTBN32-06			WS32-2-5	WS32-2-5Tin

Set 3: Including 1pc block (SLTBN), 3PCS blade (NCIH), 6PCS (2PCS+2PCS+2PCS) inserts (GTN) and suitable wrenches

Shank	Block	Blade	Insert	Order No. (insert without coating)	Order No. (insert with Tin coating)
16MM	SLTBN16-05	NCIH26-2 1pc	GTN-2 2pcs	WS32-3-1	WS32-3-1Tin
20MM	SLTBN20-05	NCIH26-3 1pc NCIH26-4 1pc	GTN-3 2pcs GTN-4 2pcs	WS32-3-2	WS32-3-2Tin
20MM	SLTBN20-06	NCIH32-3 1pc	GTN-3 2pcs	WS32-3-3	WS32-3-3Tin
25MM	SLTBN25-06	NCIH32-4 1pc	GTN-4 2pcs	WS32-3-4	WS32-3-4Tin
32MM	SLTBN32-06	NCIH32-5 1pc	GTN-5 2pcs	WS32-3-5	WS32-3-5Tin

Set 4: Including 1pc block (SLTBN), 2PCS blade (NCIH), 8PCS (4PCS+4PCS) inserts (GTN) and suitable wrenches

Shank	Block	Blade	Insert	Order No. (insert without coating)	Order No. (insert with Tin coating)
6MM	SLTBN06-02	NCIH19-2 2pcs NCIH19-3 2pcs	GTN-2 4pcs GTN-3 4pcs	WS32-4-6	WS32-4-6Tin
8MM	SLTBN08-02			WS32-4-7	WS32-4-7Tin
10MM	SLTBN10-02			WS32-4-8	WS32-4-8Tin
12MM	SLTBN12-02			WS32-4-9	WS32-4-9Tin
16MM	SLTBN16-02			WS32-4-10	WS32-4-10Tin
16MM	SLTBN16-05	NCIH26-2 2pcs	GTN-2 4pcs	WS32-4-11	WS32-4-11Tin
20MM	SLTBN20-05	NCIH26-3 2pcs	GTN-3 4pcs	WS32-4-12	WS32-4-12Tin
16MM	SLTBN16-05	NCIH26-3 2pcs	GTN-3 4pcs	WS32-4-1	WS32-4-1Tin
20MM	SLTBN20-05	NCIH26-4 2pcs	GTN-4 4pcs	WS32-4-2	WS32-4-2Tin
20MM	SLTBN20-06	NCIH32-3 2pcs NCIH32-4 2pcs	GTN-3 4pcs GTN-4 4pcs	WS32-4-3	WS32-4-3Tin
25MM	SLTBN25-06			WS32-4-4	WS32-4-4Tin
32MM	SLTBN32-06			WS32-4-5	WS32-4-5Tin

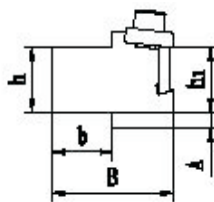
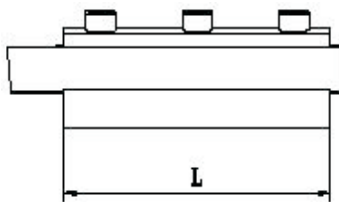
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Set 6: Including 1pc block (SLTBN), 2PCS blade (NCIH), 10PCS (5PCS+5PCS) inserts (GTN) and suitable wrenches.

Shank	Block	Blade	Insert	Order No. (insert without coating)	Order No. (insert with Tin coating)
6MM	SLTBN06-02	NCIH19-2 1pc NCIH19-3 1pc	GTN-2 5pcs GTN-3 5pcs	WS32-6-6	WS32-6-6Tin
8MM	SLTBN08-02			WS32-6-7	WS32-6-7Tin
10MM	SLTBN10-02			WS32-6-8	WS32-6-8Tin
12MM	SLTBN12-02			WS32-6-9	WS32-6-9Tin
16MM	SLTBN16-02			WS32-6-10	WS32-6-10Tin
16MM	SLTBN16-05	NCIH26-2 1pc NCIH26-3 1pc	GTN-2 5pcs GTN-3 5pcs	WS32-6-11	WS32-6-11Tin
20MM	SLTBN20-05			WS32-6-12	WS32-6-12Tin
16MM	SLTBN16-05	NCIH26-3 1pc NCIH26-4 1pc	GTN-3 5pcs GTN-4 5pcs	WS32-6-1	WS32-6-1Tin
20MM	SLTBN20-05			WS32-6-2	WS32-6-2Tin
20MM	SLTBN20-06	NCIH32-3 1pc NCIH32-4 1pc	GTN-3 5pcs GTN-4 5pcs	WS32-6-3	WS32-6-3Tin
25MM	SLTBN25-06			WS32-6-4	WS32-6-4Tin
32MM	SLTBN32-06			WS32-6-5	WS32-6-5Tin

HSS-Co8% Blade Cut-off Grooving Set

- Each set including 1pc block (FSLTBN), 1pc Co8%-HSS blade and suitable wrench.
- Suitable for varied grooving.
- Equipped HSS-Co8% Blade for Semi-finishing/roughing grooving of steel.
- Packed in plastic case or wooden case.



Shank	Block	Blade	Cutting width	Order No.
6MM	FSLTBN06-15	1.5×10×80	1.5	WS34-06
8MM	FSLTBN08-15			WS34-08
10MM	FSLTBN10-15			WS34-10
12MM	FSLTBN12-15			WS34-12
16MM	FSLTBN16-20	2.0×13×110	2.0	WS34-16
20MM	FSLTBN19-30	3.0×15×110	3.0	WS34-20
25MM	FSLTBN25-35	3.5×18×150	3.5	WS34-25



切刀盒集锦

