

ACHTTECK

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THE EXPERTS OF DIFFICULT MACHINING



Small Tools

Turning Shank Denomination System

S 1	C 2	L 3	C 4	R 5
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1-Clamping Type				
C: Top clamp	M: Top wedge clamping	D: Rigid clamping	P: lever clamping	S: Screw clamping

2-Insert Shape									
C	D	H	K	O	R	S	T	V	W
80°	55°	120°	55°	135°	360°	90°	60°	35°	80°

3-Approaching Angle									
A		J		T		E		N	
H		S		D		M		W	
R		C		L		V		G	
B		K		U		F		X	Special Approaching angle, explanation needed.

4 -Clearance Angle							
B	C	D	E	F	N	P	O
							Other clearance angle
5°	7°	15°	20°	25°	0°	11°	

12
6

12
7

JX
8

09
9

F
10

5-Hand of Tool	
L Left hand	
R Right hand	
N Neutral	

6 -Width of Shank (mm)	
	06=6
	08=8
	10=10
	12=12
	14=14
	16=16
	20=20
	25=25
	30=30
	40=40
50=50	

7 -Center Height of Tool (mm)	
	06=6
	08=8
	10=10
	12=12
	14=14
	16=16
	20=20
	25=25
	30=30
	40=40
50=50	

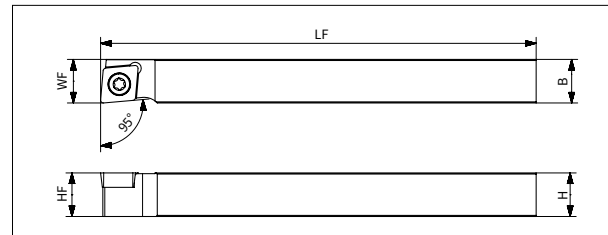
Small Tools

8 -Tool Length (mm)	
A=32	M=150
B=40	N=160
C=50	P=170
D=60	Q=180
E=70	R=200
F=80	S=250
FX=85	T=300
G=90	U=350
H=100	V=400
J=110	W=450
JX=120	Y=500
K=125	
L=140	X=Special

9 -Length of Cutting Edge			
C, D, E, M, V		H	O
R	S	T	W

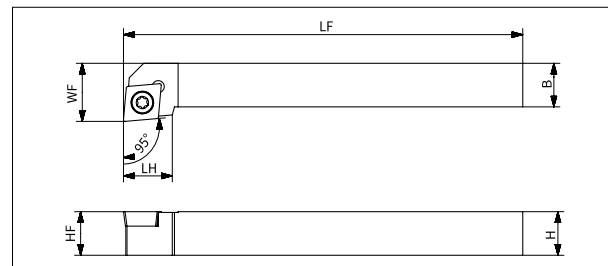
10 - Added Symbol	
F	Without Offset
J	With high pressure coolant

SCLC External Turning Shank - Without Offset







Product code	Dimension (mm)						Stock		Spare parts	
	H	B	HF	LF	LH	WF	R	L	Screw	Wrench
SCLCR/L 0808F-06F	8	8	8	80	-	8	●	●	SP025065	FT-TP08
SCLCR/L 1010JX-06F	10	10	10	120	-	10	●	●		
SCLCR/L 1010JX-09F	10	10	10	120	15	10	●	●	SP040090-X	FT-TP15
SCLCR/L 1212F-09F	12	12	12	80	-	12	●	●		
SCLCR/L 1212JX-09F	12	12	12	120	-	12	●	●		
SCLCR/L 1616JX-09F	16	16	16	120	-	16	●	●		

SCLC External Turning Shank - With Offset



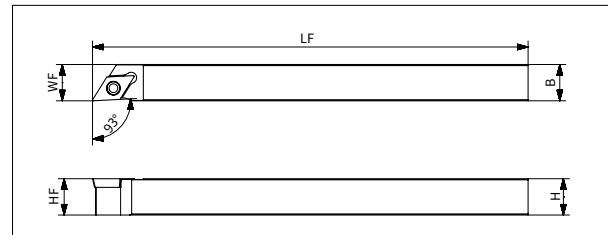
Product code	Dimension (mm)						Stock		Spare parts	
	H	B	HF	LF	LH	WF	R	L	Screw	Wrench
SCLCR/L 1010F-06	10	10	10	80	9	12	●	●	SP025065	FT-TP08
SCLCR/L 1010F-09	10	10	10	80	14	14	●	●	SP040090-X	FT-TP15
SCLCR/L 1212H-09	12	12	12	100	14	16	●	●		
SCLCR/L 1616H-09	16	16	16	100	15	20	●	●		

Applicable Insert

Applicaiton	Finishing	Finishing	Finishing	Semi-finishing–Finishing
Insert Shape	F	M	LF	UF
Holder Type				
SCLCR/L.....06/06F	CCET 0602	CCET 0602	CCGT 0602	CCGT 0602
SCLCR/L.....09/09F	CCET 09T3	CCET 09T3	CCGT 09T3	CCGT 09T3
Reference page	P73	P73	P70	P70

●: Stock available ▲: Stock available now but will be replaced in the future.

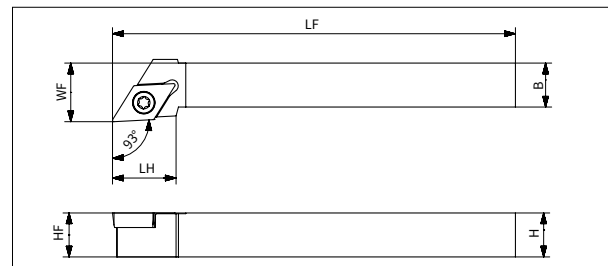
SDJC External Turning Shank - Without Offset



Product code	Dimension (mm)							Stock		Spare parts	
	H	B	HF	LF	LH	WF	HBKW	R	L	Screw	Wrench
SDJCR/L 0808F-07F	8	8	8	80	14	8	0.5	●	●	SP025065	FT-TP08
SDJCR/L 1010JX-07F	10	10	10	120	-	10	-	●	●		
SDJCR/L 1010JX-11F	10	10	10	120	20	10	3	●	●	SP040090-X	FT-TP15
SDJCR/L 1212F-11F	12	12	12	80	20	12	1	●	●		
SDJCR/L 1212JX-11F	12	12	12	120	20	12	1	●	●		
SDJCR/L 1616JX-11F	16	16	16	120	-	16	-	●	●		


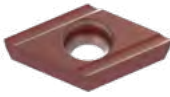


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SDJC External Turning Shank - With Offset



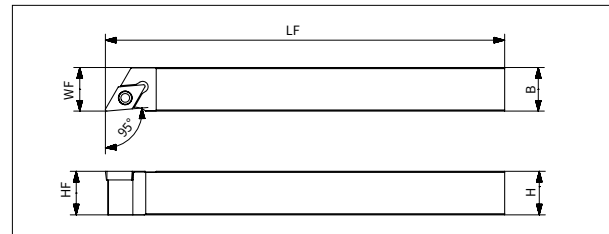
Product code	Dimension (mm)							Stock		Spare parts	
	H	B	HF	LF	LH	WF	HBKW	R	L	Screw	Wrench
SDJCR/L 1010F-07	10	10	10	80	12	12	-	●	●	SP025065	FT-TP08
SDJCR/L 1010F-11	10	10	10	80	18	12	3	●	●		
SDJCR/L 1212H-11	12	12	12	100	18	16	1	●	●	SP040090-X	FT-TP15
SDJCR/L 1616H-11	16	16	16	100	18	20	-	●	●		

Applicable Insert

Applicaiton	Finishing	Finishing	Finishing	Semi-finishing–Finishing
Insert Shape	F	M	LF	UF
Holder Type				
SDJCR/L.....07/07F	DCET 0702	DCET 0702	DCGT 0702	DCGT 0702
SDJCR/L.....11/11F	DCET 11T3	DCET 11T3	DCGT 11T3	DCGT 11T3
Reference page	P76	P77	P74	P74

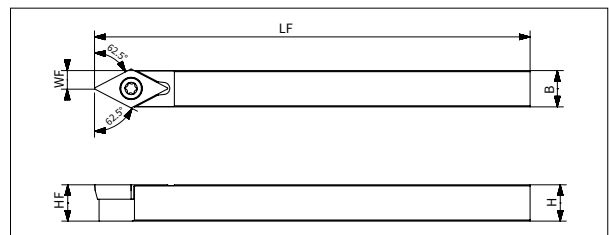
●: Stock available ▲: Stock available now but will be replaced in the future.

SDLC External Turning Shank - Without Offset







Product code	Dimension (mm)							Stock		Spare parts	
	H	B	HF	LF	LH	WF	HBKW	R	L	Screw	Wrench
SDLCR/L 1010JX-07F	10	10	10	120	-	10	-	●	●	SP025065	FT-TP08
SDLCR/L 1212F-07F	12	12	12	80	-	12	-	●	●		
SDLCR/L 1212JX-07F	12	12	12	120	-	12	-	●	●		
SDLCR/L 1616JX-07F	16	16	16	120	-	16	-	●	●		
SDLCR 1010F-11F	10	10	10	80	-	10	4	●	-	SP040090-X	FT-TP15
SDLCR/L 1010JX-11F	10	10	10	120	-	10	4	●	●		
SDLCR 1212F-11F	12	12	12	80	-	12	2	●	-		
SDLCR/L 1212JX-11F	12	12	12	120	-	12	2	●	●		
SDLCR 1616H-11F	16	16	16	100	-	16	-	●	-		
SDLCR/L 1616JX-11F	16	16	16	120	-	16	-	●	●		

SDNC External Turning Shank - Neutral



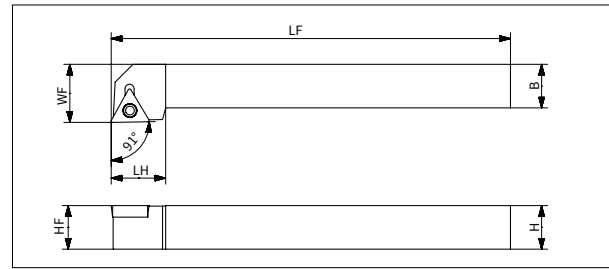
Product code	Dimension (mm)							Stock	Spare parts	
	H	B	HF	LF	LH	WF	HBKW	N	Screw	Wrench
SDNCN 0808F-07	8	8	8	80	-	4	-	●	SP025065	FT-TP08
SDNCN 1010JX-07	10	10	10	120	-	5	-	●		
SDNCN 1212JX-07	12	12	12	120	-	6	-	●		
SDNCN 1010F-11	10	10	10	80	-	5	-	●	SP040090-X	FT-TP15
SDNCN 1010JX-11	10	10	10	120	-	5	-	●		
SDNCN 1212F-11	12	12	12	80	-	6	-	●		
SDNCN 1212JX-11	12	12	12	120	-	6	-	●		
SDNCN 1616H-11	16	16	16	100	-	8	-	●		
SDNCN 1616JX-11	16	16	16	120	-	8	-	●		

Applicable Insert

Applicaition	Finishing	Finishing	Finishing	Semi-finishing–Finishing
Insert Shape	F	M	LF	UF
Holder Type				
SDLCR/L....-07F SDNCN-07	DCET 0702	DCET 0702	DCGT 0702	DCGT 0702
SDLCR/L....-11F SDNCN-11	DCET 11T3	DCET 11T3	DCGT 11T3	DCGT 11T3
Reference page	P76	P77	P74	P74

●: Stock available ▲: Stock available now but will be replaced in the future.

STGC/STGP External Turning Shank - With Offset



Product code	Dimension (mm)						Stock		Spare parts	
	H	B	HF	LF	LH	WF	R	L	Screw	Wrench
STGCR 0808F-08	8	8	8	80	12	10	●	-	SP020049	FT-TP06
STGCR/L 1010F-11	10	10	10	80	15	14	●	●	SP025065	FT-TP08
STGCR/L 1212H-11	12	12	12	100	15	16	●	●		
STGCR/L 1616H-11	16	16	16	100	15	20	●	●		
STGPR 0808F-08	8	8	8	80	12	10	●	-	SP020049	FT-TP06
STGPR/L 1010F-11	10	10	10	80	15	14	●	●	SP030082	FT-TP09
STGPR/L 1212H-11	12	12	12	100	15	16	●	●		
STGPR/L 1616H-11	16	16	16	100	15	20	●	●		

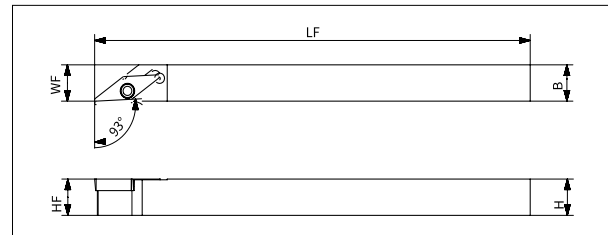
Small Tools

Applicable Insert

Applicaiton	Finishing	Finishing
Insert Shape	F	M
Holder Type		
STGCR 0808F-08	-	TCET 0802
STGPR 0808F-08	TPEH 0802	-
STGC... -11	-	TCET 1103
STGP... -11	TPEH 1103	-
Reference page	P82, 83	P83

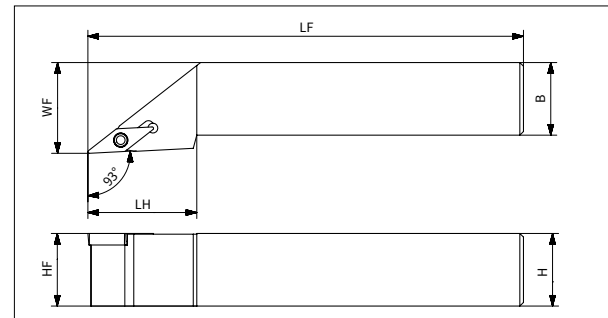
●: Stock available ▲: Stock available now but will be replaced in the future.

SVJB External Turning Shank - Without Offset








Product code	Dimension (mm)						Stock		Spare parts	
	H	B	HF	LF	LH	WF	R	L	Screw	Wrench
SVJBR/L 1010JX-11F	10	10	10	120	-	10	●	●	SP025065	FT-TP08
SVJBR/L 1212JX-11F	12	12	12	120	-	12	●	●		
SVJBR/L 1616JX-11F	16	16	16	120	-	16	●	●		
SVJBR/L 2020JX-11F	20	20	20	120	20	20	●	●		

SVJB External Turning Shank - With Offset



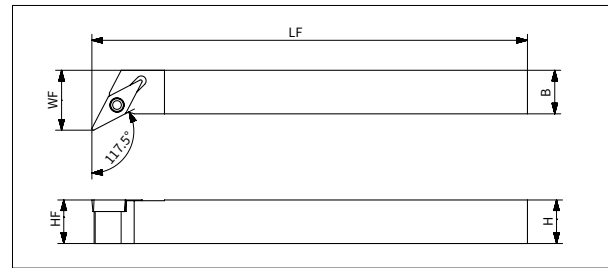
Product code	Dimension (mm)						Stock		Spare parts	
	H	B	HF	LF	LH	WF	R	L	Screw	Wrench
SVJBR/L 2020K-11	20	20	20	125	30	25	●	●	SP025065	FT-TP08
SVJBR/L 2020K-16	20	20	20	125	30	25	●	●	SP040090-X	FT-TP15
SVJBR/L 2525M-16	25	25	25	150	30	32	●	●		

Applicable Insert

Applicaition	Finishing	Finishing	Finishing	Finishing	Semi-finishing--Finishing
Insert Shape	F	M	Y	LF	UF
Holder Type					
SVJBR/L....-11/11F	VBET 1103	VBET 1103	VBET 1103	VBGT 1103	VBGT 1103
SVJBR/L....-16	VBET 1604	VBET 1604	VBET 1604	VBGT 1604	VBGT 1604
Reference page	P87	P88	P88	P84	P84, 85

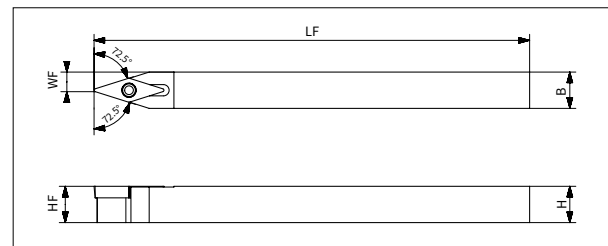
●: Stock available ▲: Stock available now but will be replaced in the future.

SVPB External Turning Shank - With Offset



Product code	Dimension (mm)					Stock		Spare parts	
	H	B	HF	LF	WF	R	L	Screw	Wrench
SVPBR/L 1010JX-11	10	10	10	120	14.5	●	●	SP025065	FT-TP08
SVPBR/L 1212JX-11	12	12	12	120	16.5	●	●		
SVPBR/L 1616JX-11	16	16	16	120	20.5	●	●		
SVPBR/L 2020K-11	20	20	20	125	25	●	●		
SVPBR/L 2020K-16	20	20	20	125	25	●	●	SP040090-X	FT-TP15
SVPBR/L 2525M-16	25	25	25	150	32	●	●		

SVVBN External Turning Shank - Neutral



Product code	Dimension (mm)					Stock	Spare parts	
	H	B	HF	LF	WF	N	Screw	Wrench
SVVBN 1010JX-11	10	10	10	120	5	●	SP025065	FT-TP08
SVVBN 1212JX-11	12	12	12	120	6	●		
SVVBN 1616JX-11	16	16	16	120	8	●		
SVVBN 2020K-11	20	20	20	125	10	●		
SVVBN 2020K-16	20	20	20	125	10	●	SP040090-X	FT-TP15
SVVBN 2525M-16	25	25	25	150	12.5	●		

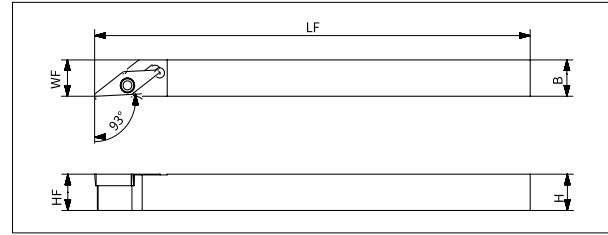
Applicable Insert

Applicaiton	Finishing	Finishing	Finishing	Finishing	Semi-finishing--Finishing
Insert Shape	F	M	Y	LF	UF
Holder Type					
SVPBR/L----11 SVVBN ----11	VBET 1103	VBET 1103	VBET 1103	VBGT 1103	VBGT 1103
SVPBR/L----16 SVVBN ----16	VBET 1604	VBET 1604	VBET 1604	VBGT 1604	VBGT 1604
Reference page	P87	P88	P88	P84	P84, 85

●: Stock available ▲: Stock available now but will be replaced in the future.

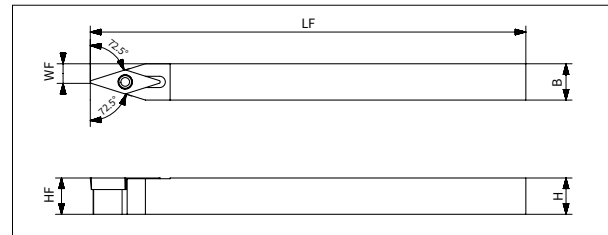
Small Tools

SVJC External Turning Shank - Without Offset



Product code	Dimension (mm)					Stock		Spare parts	
	H	B	HF	LF	WF	R	L	Screw	Wrench
SVJCR/L 1010JX-11F	10	10	10	120	10	●	●	SP025065	FT-TP08
SVJCR/L 1212JX-11F	12	12	12	120	12	●	●		
SVJCR/L 1616JX-11F	16	16	16	120	16	●	●		
SVJCR/L 2020JX-11F	20	20	20	120	20	●	●		

SVVCN External Turning Shank - Neutral



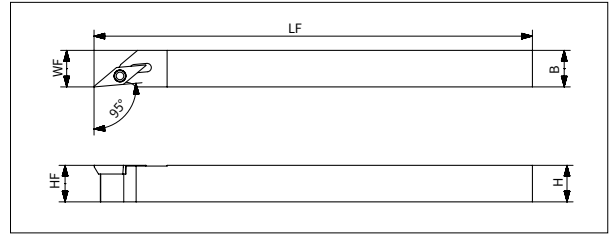
Product code	Dimension (mm)					Stock	Spare parts	
	H	B	HF	LF	WF	N	Screw	Wrench
SVVCN 1010JX-11	10	10	10	120	5	●	SP025065	FT-TP08
SVVCN 1212JX-11	12	12	12	120	6	●		
SVVCN 1616JX-11	16	16	16	120	8	●		

Applicable Insert

Applicaiton	Finishing	Finishing	Finishing
Insert Shape	F	LF	UF
			
Holder Type			
SVJCR/L....-11F SVVCN-11	VCET 1103	VCGT 1103	VCGT 1103
Reference page	P87	P84	P84, 85

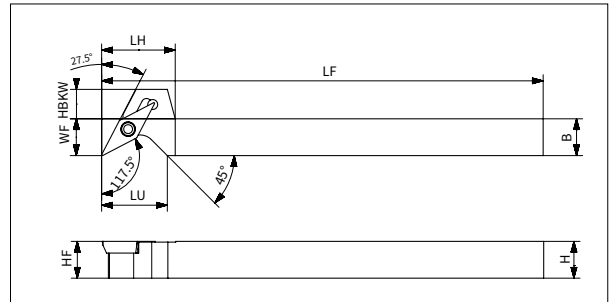
●: Stock available ▲: Stock available now but will be replaced in the future.

SVLP External Turning Shank - Without Offset



Product code	Dimension (mm)						Stock		Spare parts	
	H	B	HF	LF	LH	WF	R	L	Screw	Wrench
SVLPR/L 1010JX-08F	10	10	10	120	16	10	●	●	SP020049	FT-TP06
SVLPR/L 1212JX-08F	12	12	12	120	16	12	●	●		
SVLPR/L 1616JX-08F	16	16	16	120	20	16	●	●		
SVLPR/L 1212JX-11F	10	10	10	120	20	10	●	●	SP025065	FT-TP08
SVLPR/L 1616JX-11F	12	12	12	120	20	12	●	●		
SVLPR/L 2020K-11F	16	16	16	120	20	16	●	●		

SVPP External Turning Shank - Step Style



Product code	Dimension (mm)							Stock		Spare parts	
	H	B	HF	LF	LH	WF	HBKW	R	L	Screw	Wrench
SVPPR/L 1010JX-08F	10	10	10	120	16	10	4	●	●	SP020049	FT-TP06
SVPPR/L 1212JX-08F	12	12	12	120	16	12	2	●	●		
SVPPR/L 1616JX-08F	16	16	16	120	20	16	-	●	●		
SVPPR/L 1010JX-11F	10	10	10	120	20	10	8	●	●	SP025065	FT-TP08
SVPPR/L 1212JX-11F	12	12	12	120	20	12	6	●	●		
SVPPR/L 1616JX-11F	16	16	16	120	20	16	2	●	●		

Applicable Insert

Applicaition	Finishing	Finishing	Finishing	Semi-finishing–Finishing
Insert Shape	F	M	LF	UF
Holder Type				
SVLPR/L.....08F SVPPR/L.....08F	VPET 0802	VPET 0802	-	-
SVLPR/L.....11F SVPPR/L.....11F	-	VPET 1103	VPGT 1103	VPGT 1103
Reference page	P87	P88	P84	P84, 85

● : Stock available ▲ : Stock available now but will be replaced in the future.

External Sleeve Holder Denomination System

S 1	20 2	JX 3	S 4	C 5
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1-Holder Structure	
A	Steel shank with internal coolant
C	Carbide
E	Carbide with internal coolant
S	Steel shank

2 - Holder Diameter (mm)		
	06 = 6	20 = 20
	08 = 8	25 = 25
	10 = 10	32 = 32
	12 = 12	40 = 40
	16 = 16	50 = 50

3-Holder Length (mm)		
	E=70	K=125
	F=80	L=140
	FX=85	M=150
	G=90	N=160
	H=100	P=170
	J=110	Q=180
	JX=120	R=200

4-Clamping Type				
C:Top clamp	M:Top wedge clamping	D:Rigid clamping	P:lever clamping	S:Screw clamping

5 - Insert Shape									
C	D	H	K	O	R	S	T	V	W
80°	55°	120°	55°	135°	360°	90°	60°	35°	80°

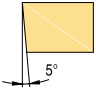
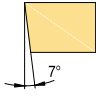
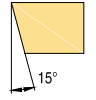
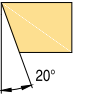
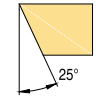
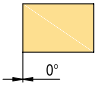
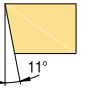
6- Approaching Angle							
F		S		K		U	
L		W		Y		Q	

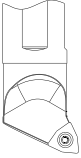
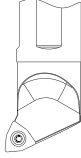
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






C
7

L
8

09
9

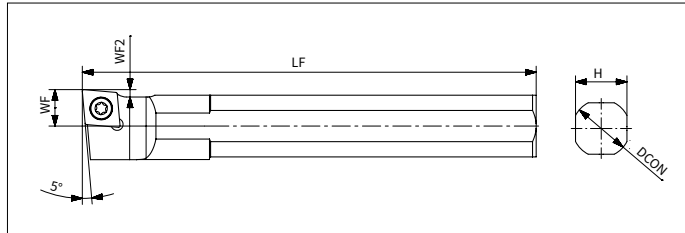
7 - Clearance Angle			
B	C	D	E
			
F	N	P	O
			Other clearance angle

8-Hand of Tool	
R Right hand	
L Left hand	

9 - Length of Cutting Edge			
C, D, E, M, V		H	O
			
R	S	T	W
			





Small Tools

External Sleeve Holder - Suitable for C Type Insert



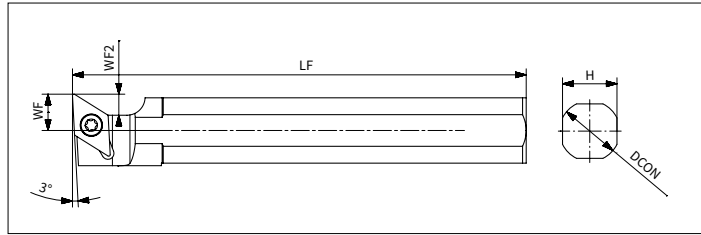
Product code	Dimension (mm)					Stock	Spare parts	
	DCON	LF	H	WF	WF2	L	Screw	Wrench
S12F-SCLCL06	12	80	11	6	1	●	SP025065	FT-TP08
S14H-SCLCL06	14	100	13	6	1	●		
S15.0H-SCLCL06	15.875	100	15	6	1	●		
S16H-SCLCL06	16	100	15	6	1	●		
S19.0JX-SCLCL06	19.05	120	17	6	1	●		
S20JX-SCLCL06	20	120	18	6	1	●		
S19.0JX-SCLCL09	19.05	120	17	10	2	●	SP040090-X	FT-TP15
S20JX-SCLCL09	20	120	18	10	2	●		
S22JX-SCLCL09	22	120	20	10	2	●		
S25JX-SCLCL09	25	120	23	10	2	●		
S25.0JX-SCLCL09	25.4	120	23	10	2	●		

Applicable Insert

Applicaiton	Finishing	Finishing	Finishing	Semi-finishing–Finishing
Insert Shape	F	M	LF	UF
Holder Type				
S-SCLC06	CCET 0602	CCET 0602	CCGT 0602	CCGT 0602
S-SCLC09	CCET 09T3	CCET 09T3	CCGT 09T3	CCGT 09T3
Reference page	P73	P73	P70	P70

●: Stock available ▲: Stock available now but will be replaced in the future.





External Sleeve Holder-Suitable for D Type Insert



Product code	Dimension (mm)					Stock	Spare parts	
	DCON	LF	H	WF	WF2	L	Screw	Wrench
S12F-SDUCL07	12	80	11	6	3.8	●	SP025065	FT-TP08
S14H-SDUCL07	14	100	13	6	3.8	●		
S15.0H-SDUCL07	15.875	100	15	6	3.8	●		
S16H-SDUCL07	16	100	15	6	3.8	●		
S19.0JX-SDUCL07	19.05	120	17	6	3.8	●		
S20JX-SDUCL07	20	120	18	6	3.8	●		
S19.0JX-SDUCL11	19.05	120	17	10	5.8	●	SP040090-X	FT-TP15
S20JX-SDUCL11	20	120	20	10	5.8	●		
S22JX-SDUCL11	22	120	20	10	5.8	●		
S25JX-SDUCL11	25	120	23	10	5.8	●		
S25.0JX-SDUCL11	25.4	120	23	10	5.8	●		

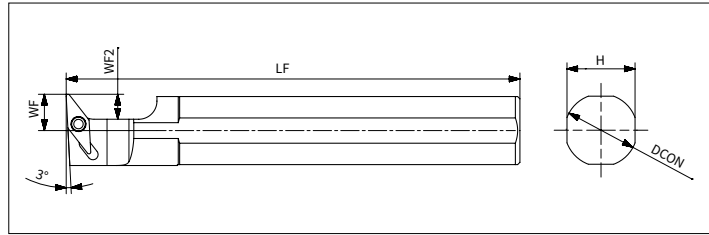
Small Tools

Applicable Insert

Applicaiton	Finishing	Finishing	Finishing	Semi-finishing–Finishing
Insert Shape	F	M	LF	UF
Holder Type				
S-SDUCL07	DCET 0702	DCET 0702	DCGT 0702	DCGT 0702
S-SDUCL11	DCET 11T3	DCET 11T3	DCGT 11T3	DCGT 11T3
Reference page	P76	P77	P74	P74

●: Stock available ▲: Stock available now but will be replaced in the future.

External Sleeve Holder-Suitable for V Type Insert



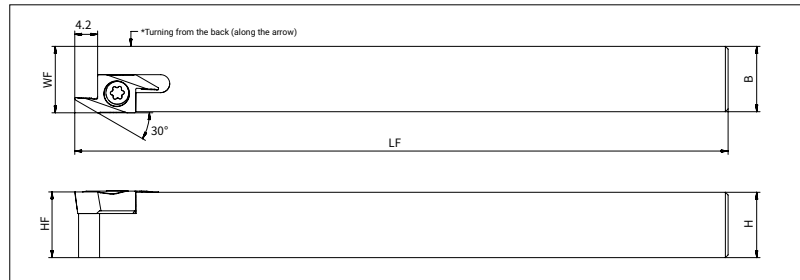
Product code	Dimension (mm)					Stock	Spare parts	
	DCON	LF	H	WF	WF2	L	Screw	Wrench
S12F-SVUPL08	12	80	11	7.5	5.5	●	SP020049	FT-TP06
S14H-SVUPL08	14	100	13	7.5	5.5	●		
S15.0H-SVUPL08	15.875	100	15	8	5.5	●		
S16H-SVUPL08	16	100	15	8	5.5	●		
S19.0JX-SVUBL11	19.05	120	17	10.5	8	●	SP025065	FT-TP08
S20JX-SVUBL11	20	120	18	10.5	8	●		
S22JX-SVUBL11	22	120	20	10.5	8	●		
S25JX-SVUBL11	25	120	23	10.5	8	●		
S25.0JX-SVUBL11	25.4	120	23	10.5	8	●		

Applicable Insert

Applicaiton	Finishing	Finishing	Finishing	Finishing	Semi-finishing--Finishing
Insert Shape Holder Type	F 	M 	Y 	LF 	UF
	S-SVUPL08	VPET 0802	VPET 0802	-	-
S-SVUBL11	VBET 1103	VBET 1103	VBET 1103	VBGT 1103	VBGT 1103
Reference page	P87	P88	P88	P84	P84, 85

●: Stock available ▲: Stock available now but will be replaced in the future.

ABF Backturning Tool Hoder



Product code	Dimension (mm)					Stock	Spare parts	
	H	B	HF	LF	WF	R	Screw	Wrench
ABFSR 1010-07	10	10	10	120	10.2	●		
ABFSR 1212-07	12	12	12	120	12.2	●	SP030082	FT-TP09
ABFSR 1616-07	16	16	16	120	16.2	●		

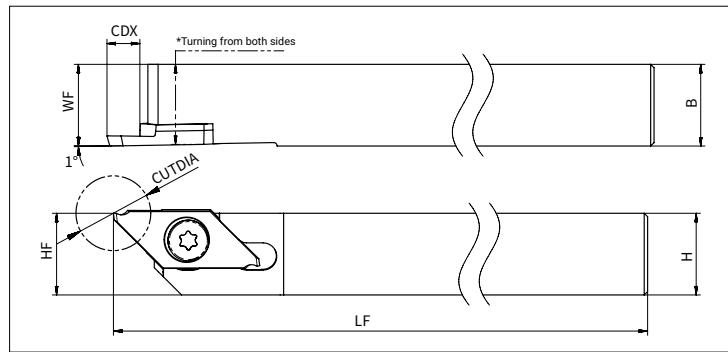
ABF Backturning Insert

Insert	Dimension (mm)	Product code	Dimension (mm)	Grade
			RE	AP301M
		ABF 07R280005-FR	0.05	●
		ABF 07R280010-FR	0.1	●
		ABF 07R280015-FR	0.15	●
		ABF 07R280020-FR	0.2	●

Small Tools

●: Stock available ▲: Stock available now but will be replaced in the future.

ASW Multifunctional Tool Holder



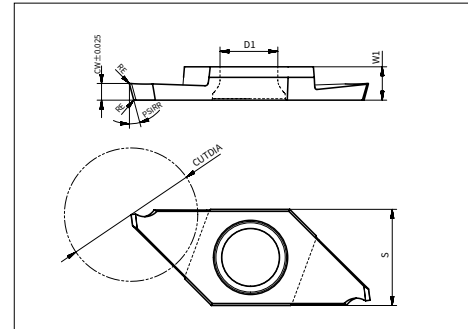
Product code	Dimension (mm)							Stock		Spare parts	
	H	HF	B	LF	LH	WF	CDX	R	L	Screw	Wrench
ASWSR/L 1010-09	10	10	10	120	15	10	6	●	●	SP04509357	FT-TP10
ASWSR/L 1212-09	12	12	12	120	-	12	6	●	●		
ASWSR/L 1616-09	16	16	16	120	-	16	6	●	●		
ASWSR/L 2020-09	20	20	20	120	-	20	6	●	●		
ASWSR/L 1010-10	10	10	10	120	20	10	8	●	●		
ASWSR/L 1212-10	12	12	12	120	-	12	8	●	●		
ASWSR/L 1616-10	16	16	16	120	-	16	8	●	●		
ASWSR/L 2020-10	20	20	20	120	-	20	8	●	●		

Applicable Insert

Applicaiton	Parting off	Backturning	Threading
Insert Shape			
Holder Type			
ASWSR/L----09	ASWP 09R/L	ASWB 09R/L	ASWT 09R/L
ASWSR/L----10	ASWP 10R/L	ASWB 10R/L	-
Reference page	P131, 132	P133	P133

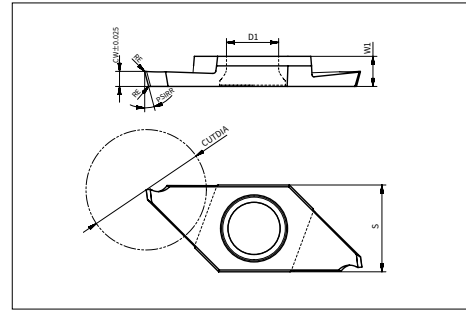
●: Stock available ▲: Stock available now but will be replaced in the future.

Parting off Insert



Product code	Dimension (mm)								Grade
	CW	CUTDIA	RE	PSIRR	GAN	W1	S	D1	AP301M
ASWP 09R/L050D05-F	0.5	5	0.03	0°	15°	3	8.7	5.2	●
ASWP 09R/L070D08-F	0.7	8	0.03	0°	15°	3	8.7	5.2	●
ASWP 09R/L100D12-F	1	12	0.03	0°	15°	3	8.7	5.2	●
ASWP 09R/L120D12-F	1.2	12	0.03	0°	15°	3	8.7	5.2	●
ASWP 09R/L150D12-F	1.5	12	0.03	0°	15°	3	8.7	5.2	●
ASWP 09R/L200D12-F	2	12	0.03	0°	15°	3	8.7	5.2	●
ASWP 09R/L050D05-F16R	0.5	5	0.03	16°	25°	3	8.7	5.2	●
ASWP 09R/L070D08-F16R	0.7	8	0.03	16°	25°	3	8.7	5.2	●
ASWP 09R/L100D12-F16R	1	12	0.03	16°	25°	3	8.7	5.2	●
ASWP 09R/L120D12-F16R	1.2	12	0.03	16°	25°	3	8.7	5.2	●
ASWP 09R/L150D12-F16R	1.5	12	0.03	16°	15°	3	8.7	5.2	●
ASWP 09R/L200D12-F16R	2	12	0.03	16°	15°	3	8.7	5.2	●
ASWP 09R/L100D12-M	1	12	0.08	0°	12°	3	8.7	5.2	●
ASWP 09R/L150D12-M	1.5	12	0.08	0°	12°	3	8.7	5.2	●
ASWP 09R/L200D12-M	2	12	0.08	0°	12°	3	8.7	5.2	●
ASWP 09R/L100D12-M16R	1	12	0.08	16°	12°	3	8.7	5.2	●
ASWP 09R/L150D12-M16R	1.5	12	0.08	16°	12°	3	8.7	5.2	●
ASWP 09R/L200D12-M16R	2	12	0.08	16°	12°	3	8.7	5.2	●

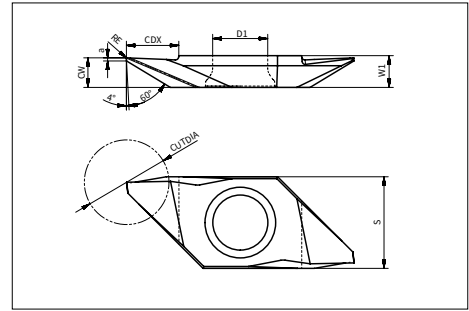
Parting off Insert



Product code	Dimension (mm)								Grade
	CW	CUTDIA	RE	PSIRR	GAN	W1	S	D1	AP301M
ASWP 09R/L050D05-T	0.5	5	0	0°	0°	3	8.7	5.2	●
ASWP 09R/L070D08-T	0.7	8	0	0°	0°	3	8.7	5.2	●
ASWP 09R/L100D12-T	1	12	0	0°	0°	3	8.7	5.2	●
ASWP 09R/L120D12-T	1.2	12	0	0°	0°	3	8.7	5.2	●
ASWP 09R/L150D12-T	1.5	12	0	0°	0°	3	8.7	5.2	●
ASWP 09R/L200D12-T	2	12	0	0°	0°	3	8.7	5.2	●
ASWP 09R/L050D05-T20R	0.5	5	0	20°	0°	3	8.7	5.2	●
ASWP 09R/L070D08-T20R	0.7	8	0	20°	0°	3	8.7	5.2	●
ASWP 09R/L100D12-T20R	1	12	0	20°	0°	3	8.7	5.2	●
ASWP 09R/L120D12-T20R	1.2	12	0	20°	0°	3	8.7	5.2	●
ASWP 09R/L150D12-T20R	1.5	12	0	20°	0°	3	8.7	5.2	●
ASWP 09R/L200D12-T20R	2	12	0	20°	0°	3	8.7	5.2	●
ASWP 10R/L150D16-F	1.5	16	0.05	0°	20°	4	9.5	5.2	●
ASWP 10R/L200D16-F	2	16	0.05	0°	20°	4	9.5	5.2	●
ASWP 10R/L150D16-F16R	1.5	16	0.05	16°	20°	4	9.5	5.2	●
ASWP 10R/L200D16-F16R	2	16	0.05	16°	20°	4	9.5	5.2	●
ASWP 10R/L150D16-M	1.5	16	0.08	0°	12°	4	9.5	5.2	●
ASWP 10R/L200D16-M	2	16	0.08	0°	12°	4	9.5	5.2	●
ASWP 10R/L150D16-M16R	1.5	16	0.08	16°	12°	4	9.5	5.2	●
ASWP 10R/L200D16-M16R	2	16	0.08	16°	12°	4	9.5	5.2	●
ASWP 10R/L150D16-T	1.5	16	0	0°	0°	4	9.5	5.2	●
ASWP 10R/L200D16-T	2	16	0	0°	0°	4	9.5	5.2	●
ASWP 10R/L150D16-T20R	1.5	16	0	20°	0°	4	9.5	5.2	●
ASWP 10R/L200D16-T20R	2	16	0	20°	0°	4	9.5	5.2	●

●: Stock available ▲: Stock available now but will be replaced in the future.

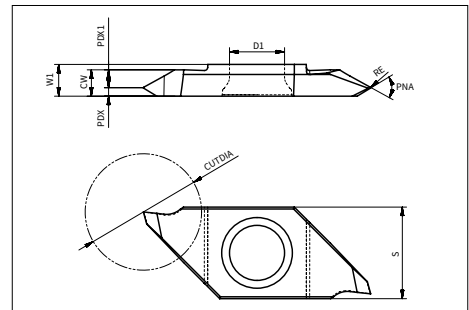
Backturning Insert



Product code	Dimension (mm)							Grade
	CW	a	CDX	W1	S	D1	RE	AP301M
ASWB 09R150005-FR	1.5	0.25	2.6	3	8.7	5.2	0.05	●
ASWB 09R280005-FR	2.8	0.3	4.6	3	8.7	5.2	0.05	●
ASWB 09L280005-FR	2.8	0.3	4.6	3	8.7	5.2	0.05	●
ASWB 09R280010-FR	2.8	0.3	4.6	3	8.7	5.2	0.1	●
ASWB 09L280010-FR	2.8	0.3	4.6	3	8.7	5.2	0.1	●
ASWB 10R380005-FR	3.8	0.3	6.3	4	9.5	5.2	0.05	●
ASWB 10L380005-FR	3.8	0.3	6.3	4	9.5	5.2	0.05	●
ASWB 10R380010-FR	3.8	0.3	6.3	4	9.5	5.2	0.1	●
ASWB 10L380010-FR	3.8	0.3	6.3	4	9.5	5.2	0.1	●

Small Tools

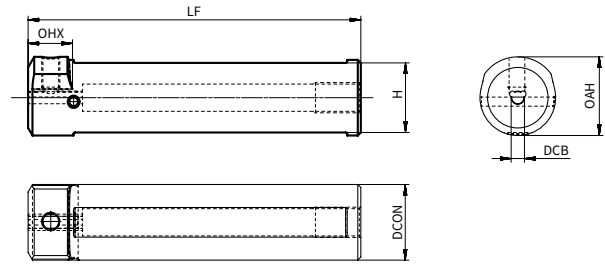
Threading Insert



Product code	Angle	Applicable Thread		Dimension (mm)						Grade
	PNA	mm	Thread/Inch	PDX	RE	CW	W1	S	D1	AP301M
ASWT 09R60000-FR	60	0.2~0.6	64~48	0.4	0.05	2.5	3	8.7	5.2	●
ASWT 09R60000-FL	60	0.2~0.6	64~48	2.1	0.05	2.5	3	8.7	5.2	●
ASWT 09R60005-FR	60	0.5~1.25	48~24	0.8	0.05	2.5	3	8.7	5.2	●
ASWT 09R60005-FL	60	0.5~1.25	48~24	1.7	0.05	2.5	3	8.7	5.2	●
ASWT 09R60010-FN	60	1.0~1.5	24~18	1.25	0.1	2.5	3	8.7	5.2	●
ASWT 09R55005-FR	55	-	40~16	0.8	0.05	2.5	3	8.7	5.2	●
ASWT 09R55005-FL	55	-	40~16	1.7	0.05	2.5	3	8.7	5.2	●
ASWT 09L60000-FR	60	0.2~0.6	64~48	2.1	0.05	2.5	3	8.7	5.2	●
ASWT 09L60000-FL	60	0.2~0.6	64~48	0.4	0.05	2.5	3	8.7	5.2	●

●: Stock available ▲: Stock available now but will be replaced in the future.

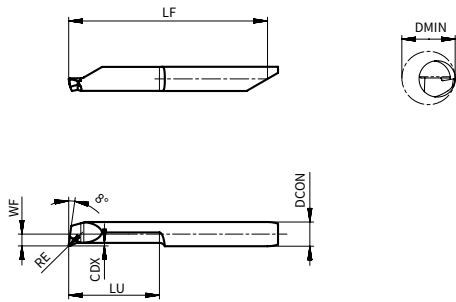
Solid carbide boring tool holder



Product code	DCB	DCON	LF	H	Stock
ASI 0010-04	4	10	65	8	●
ASI 0010-05	5				●
ASI 0012-04	4	12	70	10	●
ASI 0012-05	5				●
ASI 0012-06	6				●
ASI 0016-04	4	16	75	14	●
ASI 0016-05	5				●
ASI 0016-06	6				●
ASI 0016-08	8				●
ASI 0020-04	4	20	90	18	●
ASI 0020-05	5				●
ASI 0020-06	6				●
ASI 0020-08	8				●
ASI 0025-04	4	25	110	23	●
ASI 0025-05	5				●
ASI 0025-06	6				●
ASI 0025-08	8				●

●: Stock available ▲: Stock available now but will be replaced in the future.

ASIB T Type-Small Dia. Boring Tool

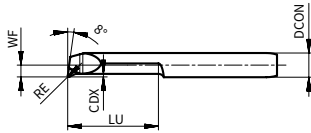
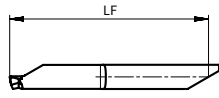


Product code	Dimension (mm)							AP220U	
	DCON	RE	WF	LF	DMIN	LU	CDX	R	L
ASIBR/L 04T000-0301	4	0	0.1	27.3	0.3	1.2	0.1	●	●
ASIBR/L 04T000-0401	4	0	0.2	27.3	0.4	1.6	0.1	●	●
ASIBR/L 04T000-0502	4	0	0.2	27.3	0.5	2	0.1	●	●
ASIBR/L 04T000-0602	4	0	0.3	27.3	0.6	2.5	0.1	●	●
ASIBR/L 04T000-0703	4	0	0.3	27.3	0.7	3.5	0.1	●	●
ASIBR/L 04T000-0804	4	0	0.4	27.3	0.8	4	0.1	●	●
ASIBR/L 04T000-0905	4	0	0.4	27.3	0.9	5	0.1	●	●
ASIBR/L 04T005-1004	4	0.05	0.5	27.3	1	4	0.1	●	●
ASIBR/L 04T005-1006	4	0.05	0.5	27.3	1	6	0.1	●	●
ASIBR/L 04T010-1004	4	0.1	0.5	27.3	1	4	0.1	●	●
ASIBR/L 04T010-1006	4	0.1	0.5	27.3	1	6	0.1	●	●
ASIBR/L 04T005-1706	4	0.05	0.7	27.3	1.7	6	0.2	●	●
ASIBR/L 04T005-1709	4	0.05	0.7	27.3	1.7	9	0.2	●	●
ASIBR/L 04T010-1706	4	0.1	0.7	27.3	1.7	6	0.2	●	●
ASIBR/L 04T010-1709	4	0.1	0.7	27.3	1.7	9	0.2	●	●
ASIBR/L 04T005-2206	4	0.05	1	27.3	2.2	6	0.2	●	●
ASIBR/L 04T005-2209	4	0.05	1	27.3	2.2	9	0.2	●	●
ASIBR/L 04T010-2206	4	0.1	1	27.3	2.2	6	0.2	●	●
ASIBR/L 04T010-2209	4	0.1	1	27.3	2.2	9	0.2	●	●
ASIBR/L 04T010-2213	4	0.1	1	32.3	2.2	13	0.2	●	●
ASIBR/L 04T003-2710	4	0.03	1.2	27.3	2.7	10	0.2	●	●
ASIBR/L 04T005-2710	4	0.05	1.2	27.3	2.7	10	0.2	●	●
ASIBR/L 04T005-2715	4	0.05	1.2	32.3	2.7	15	0.2	●	●
ASIBR/L 04T015-2710	4	0.15	1.2	27.3	2.7	10	0.2	●	●
ASIBR/L 04T015-2715	4	0.15	1.2	32.3	2.7	15	0.2	●	●
ASIBR/L 04T003-3210	4	0.03	1.5	27.3	3.2	10	0.2	●	●
ASIBR/L 04T005-3215	4	0.05	1.5	32.3	3.2	15	0.2	●	●
ASIBR/L 04T005-3220	4	0.05	1.5	37.3	3.2	20	0.2	●	●
ASIBR/L 04T015-3210	4	0.15	1.5	27.3	3.2	10	0.2	●	●
ASIBR/L 04T015-3215	4	0.15	1.5	32.3	3.2	15	0.2	●	●
ASIBR/L 04T015-3220	4	0.15	1.5	37.3	3.2	20	0.2	●	●
ASIBR/L 04T003-4210	4	0.03	2	27.3	4.2	10	0.3	●	●
ASIBR/L 04T005-4215	4	0.05	2	32.3	4.2	15	0.3	●	●
ASIBR/L 04T005-4220	4	0.05	2	37.3	4.2	20	0.3	●	●
ASIBR/L 04T005-4225	4	0.05	2	42.3	4.2	25	0.3	●	●
ASIBR/L 04T015-4210	4	0.15	2	27.3	4.2	10	0.3	●	●

Small Tools

●: Stock available ▲: Stock available now but will be replaced in the future.

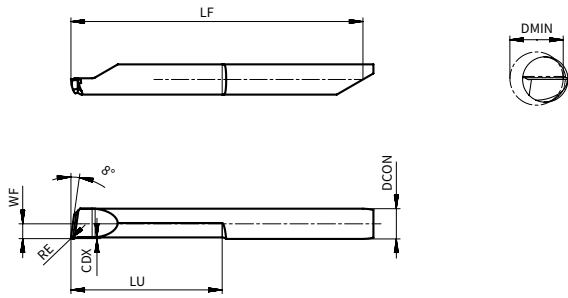
ASIB T Type-Small Dia. Boring Tool



Product code	Dimension (mm)							AP220U	
	DCON	RE	WF	LF	DMIN	LU	CDX	R	L
ASIBR/L 04T015-4215	4	0.15	2	32.3	4.2	15	0.3	●	●
ASIBR/L 04T015-4220	4	0.15	2	37.3	4.2	20	0.3	●	●
ASIBR/L 04T015-4225	4	0.15	2	42.3	4.2	25	0.3	●	●
ASIBR/L 05T005-5220	5	0.05	2.5	42.3	5.2	20	0.5	●	●
ASIBR/L 05T005-5230	5	0.05	2.5	52.3	5.2	30	0.5	●	●
ASIBR/L 05T020-5210	5	0.2	2.5	32.3	5.2	10	0.5	●	●
ASIBR/L 05T020-5220	5	0.2	2.5	42.3	5.2	20	0.5	●	●
ASIBR/L 05T020-5225	5	0.2	2.5	47.3	5.2	25	0.5	●	●
ASIBR/L 05T020-5230	5	0.2	2.5	52.3	5.2	30	0.5	●	●
ASIBR/L 05T020-5235	5	0.2	2.5	57.3	5.2	35	0.5	●	●
ASIBR/L 05T020-5240	5	0.2	2.5	62.3	5.2	40	0.5	●	●
ASIBR/L 06T005-6220	6	0.05	3	42.3	6.2	20	0.5	●	●
ASIBR/L 06T020-6215	6	0.2	3	37.3	6.2	15	0.5	●	●
ASIBR/L 06T020-6220	6	0.2	3	42.3	6.2	20	0.5	●	●
ASIBR/L 06T020-6225	6	0.2	3	47.3	6.2	25	0.5	●	●
ASIBR/L 06T020-6230	6	0.2	3	52.3	6.2	30	0.5	●	●
ASIBR/L 06T020-6235	6	0.2	3	57.3	6.2	35	0.5	●	●
ASIBR/L 06T020-6240	6	0.2	3	62.3	6.2	40	0.5	●	●

●: Stock available ▲: Stock available now but will be replaced in the future.

ASIB E Type-Small Dia. Boring Tool

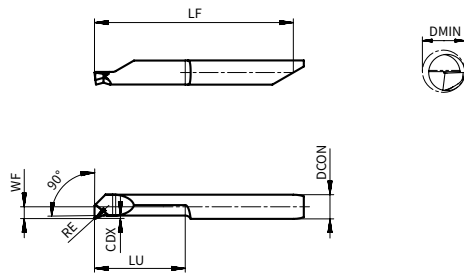


Product code	Dimension (mm)							AP220U	
	DCON	RE	WF	LF	DMIN	LU	CDX	R	L
ASIBR 04E008-4230	4	0.08	2	52.3	4.2	30	0.5	●	-
ASIBR/L 04E015-4210	4	0.15	2	27.3	4.2	10.3	0.5	●	●
ASIBR/L 04E015-4220	4	0.15	2	37.3	4.2	20.3	0.5	●	●
ASIBR/L 04E015-4225	4	0.15	2	42.3	4.2	25.3	0.5	●	●
ASIBR/L 04E020-4215	4	0.2	2	32.3	4.2	15.3	0.3	●	●
ASIBR 05E008-5240	5	0.08	2.5	67.3	5.2	40	0.5	●	-
ASIBR/L 05E020-5210	5	0.2	2.5	32.3	5.2	10.2	0.6	●	●
ASIBR/L 05E020-5215	5	0.2	2.5	37.3	5.2	15	0.5	●	●
ASIBR/L 05E020-5220	5	0.2	2.5	42.3	5.2	20.3	0.6	●	●
ASIBR/L 05E020-5225	5	0.2	2.5	47.3	5.2	25.4	0.5	●	●
ASIBR/L 05E020-5230	5	0.2	2.5	52.3	5.2	30.5	0.6	●	●
ASIBR 06E008-6245	6	0.08	3	72.3	6.2	45	0.5	●	-
ASIBR/L 06E020-6215	6	0.2	3	37.3	6.2	15.2	0.8	●	●
ASIBR/L 06E020-6220	6	0.2	3	42.3	6.2	20.3	0.8	●	●
ASIBR/L 06E020-6225	6	0.2	3	47.3	6.2	25.4	0.8	●	●
ASIBR/L 06E020-6230	6	0.2	3	52.3	6.2	30.5	0.5	●	●
ASIBR/L 06E020-6240	6	0.2	3	62.3	6.2	40	0.5	●	●

Small Tools

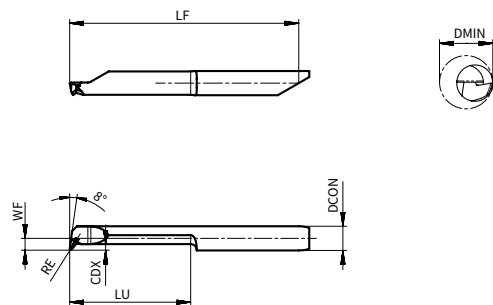
●: Stock available ▲: Stock available now but will be replaced in the future.

ASIB S Type-Small Dia. Boring Tool



Product code	Dimension (mm)							AP220U	
	DCON	RE	WF	LF	DMIN	LU	CDX	R	L
ASIBR/L 04S015-3212	4	0.15	1.5	29.3	3.2	12	0.2	●	●
ASIBR/L 04S015-4215	4	0.15	2	32.3	4.2	15	0.3	●	●
ASIBR/L 05S020-5210	5	0.2	2.5	32.3	5.2	10	0.5	●	●
ASIBR/L 05S020-5215	5	0.2	2.5	37.3	5.2	15	0.5	●	●
ASIBR/L 05S020-5220	5	0.2	2.5	42.3	5.2	20	0.5	●	●

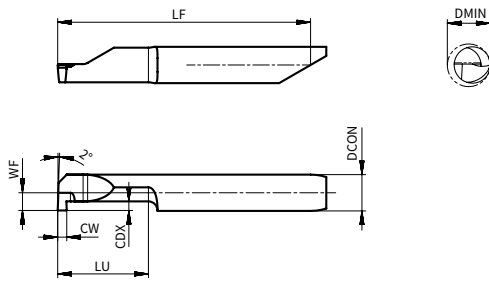
ASIB V Type-Small Dia. Boring Tool



Product code	Dimension (mm)							AP220U	
	DCON	RE	WF	LF	DMIN	LU	CDX	R	L
ASIBR/L 04V015-4220	4	0.15	2	37.3	4.2	20	0.8	●	●
ASIBR/L 05V015-5225	5	0.15	2.5	47.3	5.2	25	1	●	●
ASIBR/L 06V015-6230	6	0.15	3	52.3	6.2	30	1.8	●	●

●: Stock available ▲: Stock available now but will be replaced in the future.

ASIG S Type-Small Dia. Internal Grooving Tool

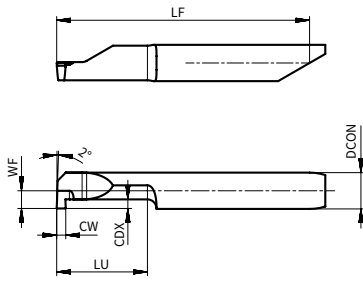


Product code	Dimension (mm)							AP220U	
	DCON	CW	WF	LF	DMIN	LU	CDX	R	L
ASIGR/L 04S050-2006	4	0.5	2	23.3	2	6	0.4	●	●
ASIGR/L 04S050-2009	4	0.5	2	26.3	2	9	0.4	●	●
ASIGR/L 04S050-2012	4	0.5	2	29.3	2	12	0.4	●	●
ASIGR/L 04S070-3008	4	0.7	1.4	25.3	3	8	0.6	●	●
ASIGR/L 04S070-3012	4	0.7	1.4	29.3	3	12	0.6	●	●
ASIGR/L 04S070-3016	4	0.7	1.4	33.3	3	16	0.6	●	●
ASIGR/L 04S100-4210	4	1	2	27.3	4.2	10	0.8	●	●
ASIGR/L 04S100-4215	4	1	2	32.3	4.2	15	0.8	●	●
ASIGR/L 04S100-4220	4	1	2	37.3	4.2	20	0.8	●	●
ASIGR/L 05S100-5210	5	1	2.5	32.3	5.2	10	1	●	●
ASIGR/L 05S100-5215	5	1	2.5	37.3	5.2	15	1	●	●
ASIGR/L 05S100-5220	5	1	2.5	42.3	5.2	20	1	●	●
ASIGR/L 05S100-5225	5	1	2.5	47.3	5.2	25	1	●	●
ASIGR/L 05S100-5230	5	1	2.5	52.3	5.2	30	1	●	●
ASIGR/L 05S100-5235	5	1	2.5	57.3	5.2	35	1	●	●
ASIGR/L 05S150-5210	5	1.5	2.5	32.3	5.2	10	1	●	●
ASIGR/L 05S150-5215	5	1.5	2.5	37.3	5.2	15	1	●	●
ASIGR/L 05S150-5220	5	1.5	2.5	42.3	5.2	20	1	●	●
ASIGR/L 05S150-5225	5	1.5	2.5	47.3	5.2	25	1	●	●
ASIGR/L 05S150-5230	5	1.5	2.5	52.3	5.2	30	1	●	●
ASIGR/L 05S150-5235	5	1.5	2.5	57.3	5.2	35	1	●	●
ASIGR/L 05S200-5210	5	2	2.5	32.3	5.2	10	1	●	●
ASIGR/L 05S200-5215	5	2	2.5	37.3	5.2	15	1	●	●
ASIGR/L 05S200-5220	5	2	2.5	42.3	5.2	20	1	●	●
ASIGR/L 05S200-5225	5	2	2.5	47.3	5.2	25	1	●	●
ASIGR/L 05S200-5230	5	2	2.5	52.3	5.2	30	1	●	●
ASIGR/L 06S100-6210	6	1	3	32.3	6.2	10	1.8	●	●
ASIGR/L 06S100-6215	6	1	3	37.3	6.2	15	1.8	●	●
ASIGR/L 06S100-6220	6	1	3	42.3	6.2	20	1.8	●	●
ASIGR/L 06S100-6225	6	1	3	47.3	6.2	25	1.8	●	●
ASIGR/L 06S100-6230	6	1	3	52.3	6.2	30	1.8	●	●
ASIGR/L 06S100-6235	6	1	3	57.3	6.2	35	1.8	●	●
ASIGR/L 06S100-6240	6	1	3	62.3	6.2	40	1.8	●	●
ASIGR/L 06S150-6210	6	1.5	3	32.3	6.2	10	1.8	●	●
ASIGR/L 06S150-6215	6	1.5	3	37.3	6.2	15	1.8	●	●
ASIGR/L 06S150-6220	6	1.5	3	42.3	6.2	20	1.8	●	●

●: Stock available ▲: Stock available now but will be replaced in the future.

Small Tools

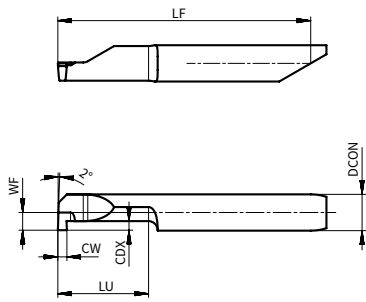
ASIG S Type-Small Dia. Internal Grooving Tool



Product code	Dimension (mm)							AP220U	
	DCON	CW	WF	LF	DMIN	LU	CDX	R	L
ASIGR/L 06S150-6225	6	1.5	3	47.3	6.2	25	1.8	●	●
ASIGR/L 06S150-6230	6	1.5	3	52.3	6.2	30	1.8	●	●
ASIGR/L 06S150-6235	6	1.5	3	57.3	6.2	35	1.8	●	●
ASIGR/L 06S200-6210	6	2	3	32.3	6.2	10	1.8	●	●
ASIGR/L 06S200-6215	6	2	3	37.3	6.2	15	1.8	●	●
ASIGR/L 06S200-6220	6	2	3	42.3	6.2	20	1.8	●	●
ASIGR/L 06S200-6225	6	2	3	47.3	6.2	25	1.8	●	●
ASIGR/L 06S200-6230	6	2	3	52.3	6.2	30	1.8	●	●

●: Stock available ▲: Stock available now but will be replaced in the future.

ASIG S Type-Small Dia. Internal Grooving Tool (For Circlip Groove)

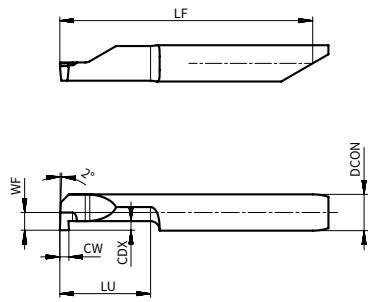


Product code	Dimension (mm)							AP220U	
	DCON	CW	WF	LF	DMIN	LU	CDX	R	L
ASIGR/L 04S078-4210	4	0.78	2	27.3	4.2	10	0.8	●	●
ASIGR/L 04S078-4215	4	0.78	2	32.3	4.2	15	0.8	●	●
ASIGR/L 04S078-4220	4	0.78	2	37.3	4.2	20	0.8	●	●
ASIGR/L 04S078-4225	4	0.78	2	42.3	4.2	25	0.8	●	●
ASIGR/L 05S078-5210	5	0.78	2.5	32.3	5.2	10	1	●	●
ASIGR/L 05S078-5215	5	0.78	2.5	37.3	5.2	15	1	●	●
ASIGR/L 05S078-5220	5	0.78	2.5	42.3	5.2	20	1	●	●
ASIGR/L 05S078-5225	5	0.78	2.5	47.3	5.2	25	1	●	●
ASIGR/L 05S078-5230	5	0.78	2.5	52.3	5.2	30	1	●	●
ASIGR/L 05S078-5235	5	0.78	2.5	57.3	5.2	35	1	●	●
ASIGR/L 05S117-5210	5	1.17	2.5	32.3	5.2	10	1	●	●
ASIGR/L 05S117-5215	5	1.17	2.5	37.3	5.2	15	1	●	●
ASIGR/L 05S117-5220	5	1.17	2.5	42.3	5.2	20	1	●	●
ASIGR/L 05S117-5225	5	1.17	2.5	47.3	5.2	25	1	●	●
ASIGR/L 05S117-5230	5	1.17	2.5	52.3	5.2	30	1	●	●
ASIGR/L 05S117-5235	5	1.17	2.5	57.3	5.2	35	1	●	●
ASIGR/L 05S157-5210	5	1.57	2.5	32.3	5.2	10	1	●	●
ASIGR/L 05S157-5215	5	1.57	2.5	37.3	5.2	15	1	●	●
ASIGR/L 05S157-5220	5	1.57	2.5	42.3	5.2	20	1	●	●
ASIGR/L 05S157-5225	5	1.57	2.5	47.3	5.2	25	1	●	●
ASIGR/L 05S157-5230	5	1.57	2.5	52.3	5.2	30	1	●	●
ASIGR/L 05S198-5210	5	1.98	2.5	32.3	5.2	10	1	●	●
ASIGR/L 05S198-5215	5	1.98	2.5	37.3	5.2	15	1	●	●
ASIGR/L 05S198-5220	5	1.98	2.5	42.3	5.2	20	1	●	●
ASIGR/L 05S198-5225	5	1.98	2.5	47.3	5.2	25	1	●	●
ASIGR/L 05S198-5230	5	1.98	2.5	52.3	5.2	30	1	●	●
ASIGR/L 06S078-6210	6	0.78	3	32.3	6.2	10	1.8	●	●
ASIGR/L 06S078-6215	6	0.78	3	37.3	6.2	15	1.8	●	●
ASIGR/L 06S078-6220	6	0.78	3	42.3	6.2	20	1.8	●	●
ASIGR/L 06S078-6225	6	0.78	3	47.3	6.2	25	1.8	●	●
ASIGR/L 06S078-6230	6	0.78	3	52.3	6.2	30	1.8	●	●
ASIGR/L 06S078-6235	6	0.78	3	57.3	6.2	35	1.8	●	●
ASIGR/L 06S117-6210	6	1.17	3	32.3	6.2	10	1.8	●	●
ASIGR/L 06S117-6215	6	1.17	3	37.3	6.2	15	1.8	●	●
ASIGR/L 06S117-6220	6	1.17	3	42.3	6.2	20	1.8	●	●
ASIGR/L 06S117-6225	6	1.17	3	47.3	6.2	25	1.8	●	●

●: Stock available ▲: Stock available now but will be replaced in the future.

Small Tools

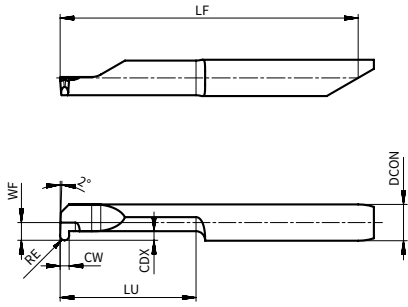
ASIG S Type-Small Dia. Internal Grooving Tool (For Circlip Groove)



Product code	Dimension (mm)							AP220U	
	DCON	CW	WF	LF	DMIN	LU	CDX	R	L
ASIGR/L 06S117-6230	6	1.17	3	52.3	6.2	30	1.8	●	●
ASIGR/L 06S117-6235	6	1.17	3	57.3	6.2	35	1.8	●	●
ASIGR/L 06S117-6240	6	1.17	3	62.3	6.2	40	1.8	●	●
ASIGR/L 06S157-6210	6	1.57	3	32.3	6.2	10	1.8	●	●
ASIGR/L 06S157-6215	6	1.57	3	37.3	6.2	15	1.8	●	●
ASIGR/L 06S157-6220	6	1.57	3	42.3	6.2	20	1.8	●	●
ASIGR/L 06S157-6225	6	1.57	3	47.3	6.2	25	1.8	●	●
ASIGR/L 06S157-6230	6	1.57	3	52.3	6.2	30	1.8	●	●
ASIGR/L 06S157-6235	6	1.57	3	57.3	6.2	35	1.8	●	●
ASIGR/L 06S157-6240	6	1.57	3	62.3	6.2	40	1.8	●	●
ASIGR/L 06S198-6210	6	1.98	3	32.3	6.2	10	1.8	●	●
ASIGR/L 06S198-6215	6	1.98	3	37.3	6.2	15	1.8	●	●
ASIGR/L 06S198-6225	6	1.98	3	47.3	6.2	25	1.8	●	●
ASIGR/L 06S198-6235	6	1.98	3	57.3	6.2	35	1.8	●	●

●: Stock available ▲: Stock available now but will be replaced in the future.

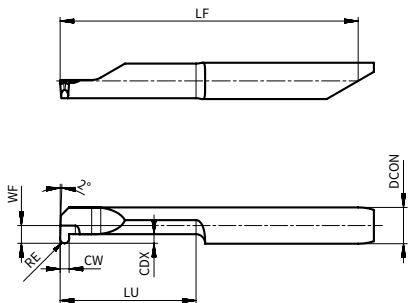
ASIG R Type-Small Dia. Internal Grooving Tool



Product code	Dimension (mm)							AP220U	
	DCON	CW	WF	LF	DMIN	LU	CDX	R	L
ASIGR/L 04R100-4215	4	1	2	32.3	4.2	15	0.8	●	●
ASIGR/L 05R100-5220	5	1	2.5	42.3	5.2	20	1	●	●
ASIGR/L 05R150-5220	5	1.5	2.5	42.3	5.2	20	1	●	●
ASIGR/L 05R200-5220	5	2	2.5	42.3	5.2	20	1	●	●
ASIGR/L 06R100-6225	6	1	3	47.3	6.2	25	1.8	●	●
ASIGR/L 06R150-6225	6	1.5	3	47.3	6.2	25	1.8	●	●
ASIGR/L 06R200-6225	6	2	3	47.3	6.2	25	1.8	●	●

Small Tools

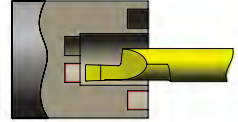
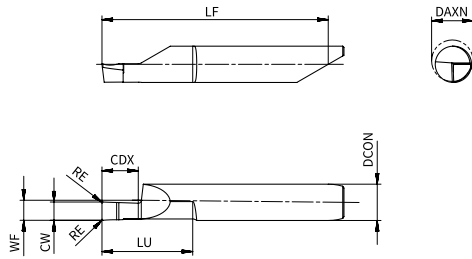
ASIG R Type-Small Dia. Internal Grooving Tool (For Circlip Groove)



Product code	Dimension (mm)							AP220U	
	DCON	CW	WF	LF	DMIN	LU	CDX	R	L
ASIGR/L 04R117-4215	4	1.17	2	32.3	4.2	15	0.8	●	●
ASIGR/L 05R117-5220	5	1.17	2.5	42.3	5.2	20	1	●	●
ASIGR/L 05R163-5220	5	1.63	2.5	42.3	5.2	20	1	●	●
ASIGR/L 05R198-5220	5	1.98	2.5	42.3	5.2	20	1	●	●
ASIGR/L 06R117-6225	6	1.17	3	47.3	6.2	25	1.8	●	●
ASIGR/L 06R163-6225	6	1.63	3	47.3	6.2	25	1.8	●	●
ASIGR/L 06R198-6225	6	1.98	3	47.3	6.2	25	1.8	●	●

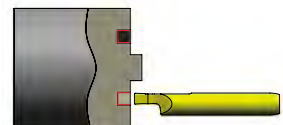
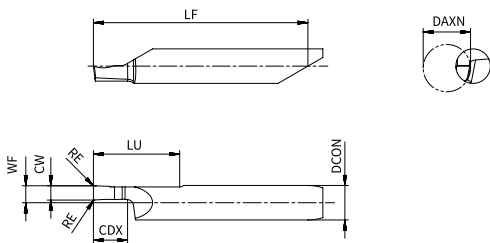
●: Stock available ▲: Stock available now but will be replaced in the future.

ASIF A Type - Small Dia. Internal Face Grooving (Inward Deviation)



Product code	Dimension (mm)								AP220U	
	DCON	CW	WF	RE	LF	DAXN	LU	CDX	R	L
ASIFR/L 06A100-6215	6	1	3	0.15	37.3	6.2	15	2	●	●
ASIFR/L 06A150-6215	6	1.5	3	0.15	37.3	6.2	15	3	●	●
ASIFR/L 06A200-6215	6	2	3	0.15	37.3	6.2	15	4	●	●
ASIFR/L 06A250-6215	6	2.5	3	0.15	37.3	6.2	15	5	●	●
ASIFR/L 06A300-6215	6	3	3	0.15	37.3	6.2	15	6	●	●
ASIFR/L 08A200-8015	8	2	3	0.2	44.3	8	15	15	●	●
ASIFR/L 08A250-8010	8	2.5	3	0.2	39.3	8	10	10	●	●
ASIFR/L 08A300-8010	8	3	3	0.2	39.3	8	10	10	●	●
ASIFR/L 08A300-8015	8	3	3	0.2	44.3	8	15	15	●	●
ASIFR/L 08A400-8010	8	4	3	0.2	39.3	8	10	10	●	●
ASIFR/L 08A400-8015	8	4	3	0.2	44.3	8	15	15	●	●

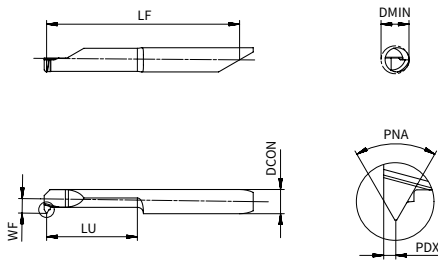
ASIF B Type - Small Dia. Internal Face Grooving (Outward Deviation)



Product code	Dimension (mm)								AP220U	
	DCON	CW	WF	RE	LF	DAXN	LU	CDX	R	L
ASIFR/L 06B100-6215	6	1	3	0.15	37.3	6.2	15	2	●	●
ASIFR/L 06B150-6215	6	1.5	3	0.15	37.3	6.2	15	3	●	●
ASIFR/L 06B200-6215	6	2	3	0.15	37.3	6.2	15	4	●	●
ASIFR/L 06B250-6215	6	2.5	3	0.15	37.3	6.2	15	5	●	●
ASIFR/L 06B300-6215	6	3	3	0.15	37.3	6.2	15	6	●	●

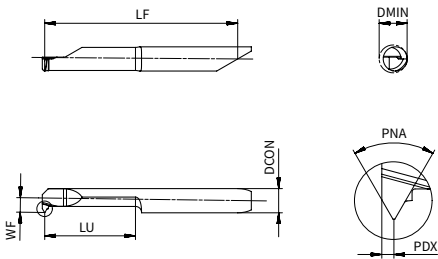
●: Stock available ▲: Stock available now but will be replaced in the future.

ASIT V Type - Small Dia. Internal 60° Partial Profile Threading Tool



Product code	Dimension (mm)								AP220U	
	DCON	PDX	PNA	WF	LF	P	DMIN	LU	R	L
ASITR/L 04V050-4215	4	0.4	60°	2	32.7	0.5~0.7	4.2	15	●	●
ASITR 05V050-5215	5	0.4	60°	2.5	37.7	0.5~0.75	5.2	15	●	-
ASITR 05V070-5115	5	0.5	60°	2.4	37.8	0.7~1	5.1	15	●	-
ASITR/L 05V100-4815	5	0.6	60°	2.3	37.9	1~1.25	4.8	15	●	●
ASITR 06V100-6215	6	0.6	60°	3	37.9	1~1.25	6.2	15	●	-
ASITR/L 06V125-6215	6	0.8	60°	3	38.1	1.25~1.5	6.2	15	●	●
ASITR/L 06V150-6215	6	1	60°	3	38.3	1.5~1.75	6.2	15	●	●

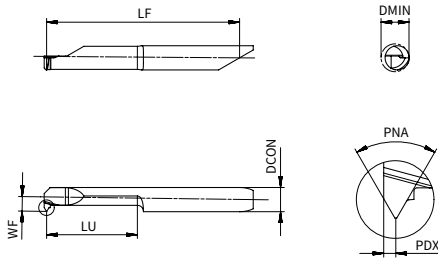
ASIT M Type - Small Dia. Internal ISO Threading Tool



Product code	Dimension (mm)								AP220U	
	DCON	PDX	PNA	WF	LF	P	DMIN	LU	R	L
ASITR 04M050-4215	4	0.4	60°	2	32.7	0.5	4.4	15	●	-
ASITR 04M070-4215	4	0.5	60°	1.9	32.8	0.7	4.4	15	●	-
ASITR 04M080-4015	4	0.5	60°	1.9	32.8	0.8	4	15	●	-
ASITR 05M050-5215	5	0.4	60°	2.5	37.7	0.5	5.2	15	●	-
ASITR 05M075-5115	5	0.5	60°	2.4	37.8	0.75	5.1	15	●	-
ASITR 05M100-4815	5	0.6	60°	2.3	37.9	1	4.8	15	●	-
ASITR 06M100-6215	6	0.6	60°	3	37.9	1	6.2	15	●	-
ASITR 06M125-6215	6	0.7	60°	3	38	1.25	6.2	15	●	-
ASITR 06M150-6215	6	0.8	60°	3	38.1	1.5	6.2	15	●	-
ASITR 06M175-6215	6	0.9	60°	3	38.2	1.75	6.2	15	●	-
ASITR 06M200-6215	6	1	60°	3	38.3	2	6.2	15	●	-

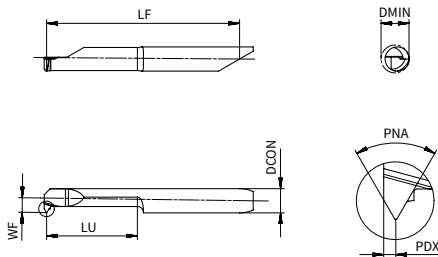
●: Stock available ▲: Stock available now but will be replaced in the future.

ASIT U Type - Small Dia. Internal UN Threading Tool



Product code	Dimension (mm)								AP220U	
	DCON	PDX	PNA	WF	LF	P	DMIN	LU	R	L
ASITR 04U032-4015	4	0.6	60°	1.9	32.9	28	4	15	●	-
ASITR 04U028-4015	4	0.6	60°	1.9	32.9	32	4	15	●	-
ASITR 04U024-4215	4	0.7	60°	2	33	24	4.2	15	●	-
ASITR 05U020-5215	5	0.7	60°	2.5	38	20	5.2	15	●	-
ASITR 06U018-6215	6	0.6	60°	3	38.1	18	6.2	15	●	-
ASITR 06U016-6215	6	0.9	60°	3	38.2	16	6.2	15	●	-

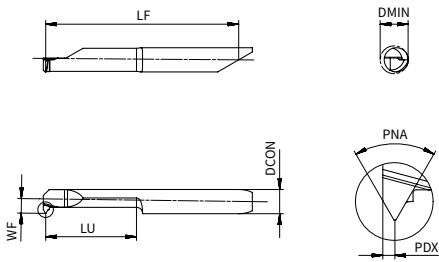
ASIT W Type - Small Dia. Internal Worth Threading Tool



Product code	Dimension (mm)								AP220U	
	DCON	PDX	PNA	WF	LF	P	DMIN	LU	R	L
ASITR 05W028-5215	5	0.8	55°	2.5	38.1	28	5.2	15	●	-
ASITR 05W026-5215	5	0.8	55°	2.5	38.1	26	5.2	15	●	-
ASITR 05W024-5215	5	0.8	55°	2.5	38.1	24	5.2	15	●	-
ASITR 06W028-6215	6	0.8	55°	3	38.1	28	6.2	15	●	-
ASITR 06W026-6215	6	0.8	55°	3	38.1	26	6.2	15	●	-
ASITR 06W024-6215	6	0.8	55°	3	38.1	24	6.2	15	●	-
ASITR 06W022-6215	6	1	55°	3	38.3	22	6.2	15	●	-
ASITR 06W020-6215	6	1	55°	3	38.3	20	6.2	15	●	-
ASITR/L 06W019-6215	6	1	55°	3	38.3	19	6.2	15	●	●

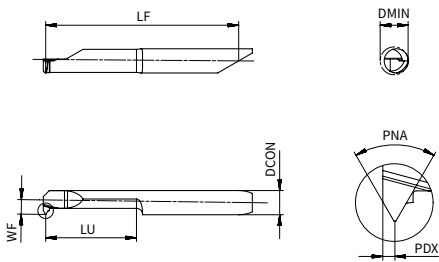
●: Stock available ▲: Stock available now but will be replaced in the future.

ASIT N Type - Small Dia. Internal NPT Threading Tool



Product code	Dimension (mm)								AP220U	
	DCON	PDX	PNA	WF	LF	P	DMIN	LU	R	L
ASITR 06N027-6215	6	0.8	60°	3	38.1	27	6.2	15	●	-
ASITR/L 06N018-6215	6	1	60°	3	38.3	18	6.2	15	●	●

ASIT T Type - Small Dia. Internal TR Threading Tool







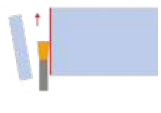
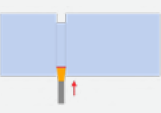
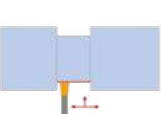



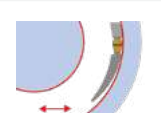
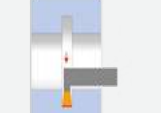
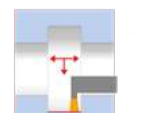


Product code	Dimension (mm)								AP220U	
	DCON	PDX	PNA	WF	LF	P	DMIN	LU	R	L
ASITR 06T150-6220	6	0.6	30°	3	38.2	1.5	6.2	20	●	-
ASITR 06T200-6220	6	0.8	30°	3	38.4	2	6.2	20	●	-

Small Tools







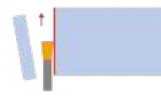
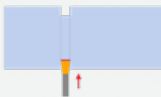
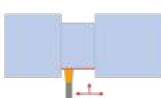



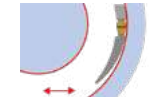

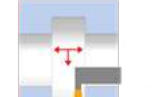
●: Stock available ▲: Stock available now but will be replaced in the future.

Overview of Grooving Holders

Holder Application			External grooving					
			ASGHR/L	S-ASGHL	ATGHR/L	ATSER/L	ATSER/L-D	ATSER/L-SW
								
Page			P147	P148	P149	P151	P153	P154
External grooving	Parting off					●	●	●
	Grooving		●	●	●	●	●	●
	Turning					●	●	●
	Profiling					●	●	
	Under cut							
Face grooving	Grooving							
	Turning							
Internal machining	Grooving							
	Turning							

Marked: ● Best choice






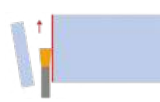

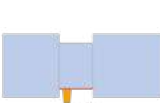

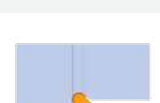


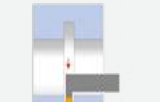

Overview of Grooving Holders

Holder Application			External grooving	Face grooving					
			AGUER/L	ATSFR/L	ATSFR/L-OB	AGSFR/L	AGPFR/L	ATPFR/L	
									
Page			P155	P156	P157	P159	P160	P161	
External grooving	Parting off								
	Grooving					●	●		
	Turning					○	○		
	Profiling								
	Under cut		●						
Face grooving	Grooving			●	●	●	●	●	●
	Turning			●	●	●	●	●	●
Internal machining	Grooving								
	Turning								

Marked: ● Best choice

Grooving

Overview of Grooving Holders

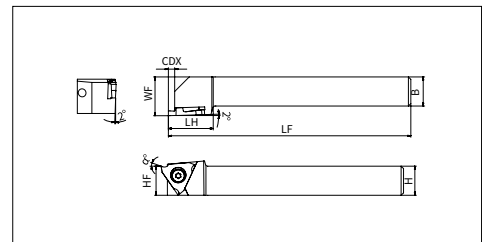
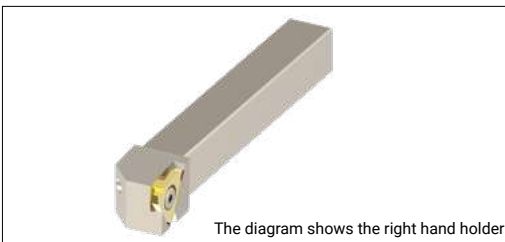
Holder Application			Internal machining				
			ATPIR/L	ATGIR/L	ATSIR/L	AGSIR/L	AGUIR/L
							
Page			P162	P163	P164	P165	P166
External grooving	Parting off						
	Grooving						
	Turning						
	Profiling						
	Under cut						●
Face grooving	Grooving				●	●	
	Turning				●	●	
Internal machining	Grooving		●	●			
	Turning		●				

Marked: ● Best choice

ASGH Grooving Holder Denomination System

A 1	S 2	G 3	H 4	R 5	20 6	20 7	JX 8	- -	32 9	F 10
1-Company Name ACHTECK		2-Matching Insert Type S S: For swiss machine		3-Application G Grooving		4-Holder Type H Holder		5-Hand of Tool L Left R Right		
6-Holder Height 20=20.0mm		7-Holder Width 20=20.0mm		8-Holder Length JX=120mm		9 -Matching Insert Size (IC) 32=9.525mm		10 -Shape of Holder Head F: Without dimple		

ASGHR/L External shallow Grooving Holder for Swiss Lathe



Product code		Dimension (mm)					Spare parts	
		H	B	LF	LH	CDX	Screw	Wrench
ASGHR/L	1010JX-32F	10	10	120	18.5	2.5	SP040070	FT-TP08
	1212FX-32F	12	12	85	18.5	2.5		
	1212JX-32F	12	12	120	18.5	2.5		
	1616JX-32F	16	16	120	18.5	2.5		
	2020JX-32F	16	16	120	18.5	2.5		
	1010F-32	10	10	80	18.5	2.5		
	1212H-32	12	12	100	18.5	2.5		
	1616H-32	16	16	100	18.5	2.5		
	2020K-32	20	20	125	20	2.5		
	2525M-32	25	25	150	20	2.5		

Applicable Insert

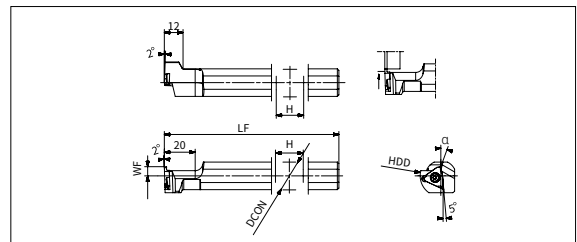
Application	Grooving
Insert shape	
Product code	
ASGHR/L**	ASG 32
Reference page	P172

Grooving

S...ASGH Sleeve Tool Holder Denomination System

S 1	20 2	JX 3	- -	A 4	S 5	G 6	H 7	L 8	32 9
1-Holder Material S=Steel		2-Holder Shank Diameter 20=20mm			3-Holder Length JX=120mm		4-Company Name ACHTECK		
5-Matching Insert Type S Swiss		6-Application G Grooving			7-Holder Type H Holder		8-Hand of Tool L Left		
9-Matching Insert Size (IC) 32=9.525mm									

S...ASGH External Grooving Sleeve Holder for Swiss Lathe



Product code	Dimension (mm)					Spare parts	
	DCON	LF	WF	HDD	DMIN	Screw	Wrench
S12F-ASGHL32	12	80	6	11	27	SP040070	FT-TP08
S14H-ASGHL32	14	100		13			
S15.0H-ASGHL32	15.875			15.875			
S16H-ASGHL32	16	120		17.6			
S19.0JX-ASGHL32	19.05			18.6			
S20JX-ASGHL32	20			23.6			
S22JX-ASGHL32	22	120		10			
S25JX-ASGHL32	25						
S25.0JX-ASGHL32	25.4						

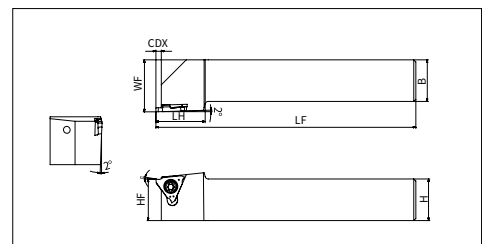
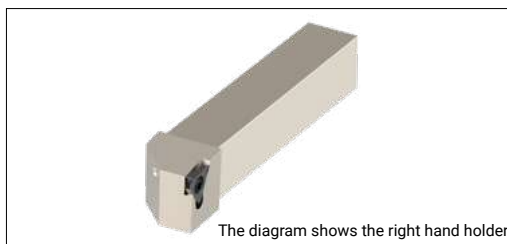
Applicable Insert

Application	Grooving
Insert shape	
Product code	S...ASGHL**
Reference page	ASG 32 P172

ATGH Tool Holder Denomination System

A 1	T 2	G 3	H 4	R 5	25 6	25 7	M 8	43 9	- -	10 10	T25 11
1-Company Name ACHTECK		2-Matching Insert Type T Triangular			3-Application G Grooving		4-Holder Type H Holder				
5-Hand of Tool L Left R Right		6-Holder Height 20=20.0mm 25=25.0mm		7-Holder Width 20=20.0mm 25=25.0mm		8-Holder Length K=125mm M=150mm					
9-Matching Insert Size (IC) 32=9.525mm			10-Matching Insert Maximum Width 10=1.0mm			11-Maximum Ap T25=2.5mm					

ATGHR/L External Grooving Holder



Product code		Dimensions (mm)						Spare parts	
		H	B	LF	LH	WF	CDX	Screw	Wrench
ATGHR/L	2020K32-T25	20	20	20	125	24	2.5	SP040085	FT-TP15
	2525M32-T25	25	25	25	150	24	2.5		
	2020K43-10T40	20	20	20	125	25.5	4.0	SP05008550	FT-TP20
	2525M43-10T40	25	25	25	150	25.5	4.0		
	2020K43-20T45	20	20	20	125	25.5	4.5		
	2525M43-20T45	25	25	25	150	25.5	4.5		
	2020K43-20T55	20	20	20	125	25.5	5.5		
	2525M43-20T55	25	25	25	150	25.5	5.5		
	2020K43-30T55	20	20	20	125	25.5	5.5		
2525M43-30T55	25	25	25	150	25.5	5.5			

Applicable Insert

Application	Grooving	Profiling
Insert shape		
Product code		
ATGHR/L** 32	ATG 32	ATG 32
ATGHR/L** 43	ATG 43	ATG 43
Reference page	P173	P174

Grooving Holder Denomination System

A	G	U	E	R	0750	-	4	T0315	-	40	-	80	-	SW
1	2	3	4	5	6	-	8	9	-	10	-	11	-	12
					16									
					7									

1-Company name
ACHTECK

2-Application	
G	Grooving
T	Turning

3- Shape of holder head
S: Straight-180°
U: Under cut-45°
P: Perpendicular-90°

4-Machining type
E: External
I: Internal
F: Facing

5-Hand of tool	
L	Left hand
R	Right hand

6-Holder diameter
0375=0.375
0750=0.750
1000=1.000

7-Holder Height/width
08=0.375
12=0.750
16=1.000

8-Insert width
2=0.079
3=0.118
4=0.157

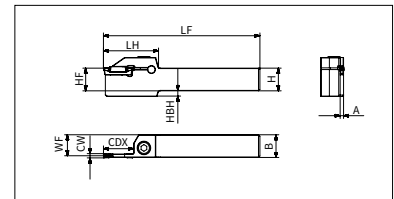
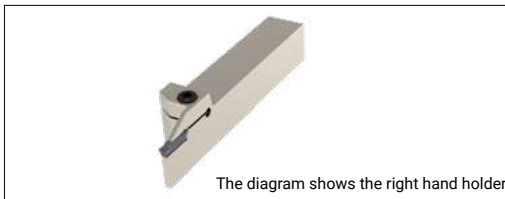
9-Ap
T0315=Max 0.315

10-Minimum cutting diameter
40=1.575

11-Maximum cutting diameter
80=3.150

12-Special code
SW: For swiss machine
OB: Outside bulge holders
C: With internal coolant
D: Reinforced holders










ATSER/L External Turning and Grooving



Product code		Dimension (inch)									Spare parts	
		H	B	HF	HBH	A	LF	LH	WF	CDX	Screw	Wrench
ATSER/L	10-2T0315	0.625	0.625	0.625	0.157	0.071	4.500	1.299	0.590	0.315	SH050160	LT-H4
	10-2T0472	0.625	0.625	0.625	0.157	0.071	4.500	1.260	0.590	0.472		
	10-2T0669	0.625	0.625	0.625	0.157	0.071	4.500	1.457	0.590	0.669		
	12-2T0315	0.750	0.750	0.750	0.000	0.071	5.000	1.299	0.715	0.315	SH050200	
	12-2T0472	0.750	0.750	0.750	0.000	0.071	5.000	1.260	0.715	0.472		
	12-2T0669	0.750	0.750	0.750	0.000	0.071	5.000	1.457	0.715	0.669		
	16-2T0315	1.000	1.000	1.000	0.000	0.071	6.000	1.299	0.965	0.315	SH050250	
	16-2T0472	1.000	1.000	1.000	0.000	0.071	6.000	1.260	0.965	0.472		
	16-2T0669	1.000	1.000	1.000	0.000	0.071	6.000	1.457	0.965	0.669		
	10-3T0354	0.625	0.625	0.625	0.157	0.094	4.500	1.260	0.578	0.354	SH050160	
	10-3T0472	0.625	0.625	0.625	0.157	0.094	4.500	1.260	0.578	0.472		
	10-3T0787	0.625	0.625	0.625	0.157	0.094	4.500	1.496	0.578	0.787		
	12-3T0354	0.750	0.750	0.750	0.000	0.094	5.000	1.260	0.703	0.354	SH050200	
	12-3T0472	0.750	0.750	0.750	0.000	0.094	5.000	1.260	0.703	0.472		
	12-3T0787	0.750	0.750	0.750	0.000	0.094	5.000	1.496	0.703	0.787		
	16-3T0354	1.000	1.000	1.000	0.000	0.094	6.000	1.260	0.953	0.354	SH050250	
	16-3T0472	1.000	1.000	1.000	0.000	0.094	6.000	1.260	0.953	0.472		
	16-3T0787	1.000	1.000	1.000	0.000	0.094	6.000	1.496	0.953	0.787		
	16-3T0984	1.000	1.000	1.000	0.000	0.094	6.000	1.772	0.953	0.984		
	10-4T0394	0.625	0.625	0.625	0.157	0.132	4.500	1.260	0.559	0.394	SH060160	
	10-4T0591	0.625	0.625	0.625	0.157	0.132	4.500	1.299	0.559	0.591		
	10-4T0984	0.625	0.625	0.625	0.157	0.132	4.500	1.772	0.559	0.984		
	12-4T0984	0.750	0.750	0.750	0.000	0.132	5.000	1.260	0.684	0.394	SH060200	
	12-4T0591	0.750	0.750	0.750	0.000	0.132	5.000	1.299	0.684	0.591		
	12-4T0984	0.750	0.750	0.750	0.000	0.132	5.000	1.772	0.684	0.984		
	16-4T0394	1.000	1.000	1.000	0.000	0.132	6.000	1.260	0.934	0.394	SH060250	
	16-4T0591	1.000	1.000	1.000	0.000	0.132	6.000	1.299	0.934	0.591		
	16-4T0787	1.000	1.000	1.000	0.000	0.132	6.000	1.575	0.934	0.787		
	16-4T0984	1.000	1.000	1.000	0.000	0.132	6.000	1.772	0.934	0.984		
	12-5T0472	0.750	0.750	0.750	0.000	0.171	5.000	1.457	0.664	0.472	SH060200	
	12-5T0787	0.750	0.750	0.750	0.000	0.171	5.000	1.457	0.664	0.787		
	16-5T0472	1.000	1.000	1.000	0.000	0.171	6.000	1.457	0.914	0.472		
	16-5T0787	1.000	1.000	1.000	0.000	0.171	6.000	1.457	0.914	0.787		
	16-5T1260	1.000	1.000	1.000	0.000	0.171	6.000	2.205	0.914	1.260	SH060250	
	20-5T0472	1.250	1.250	1.250	0.000	0.171	7.000	1.457	1.164	0.472		
	20-5T0787	1.250	1.250	1.250	0.000	0.171	7.000	1.535	1.164	0.787		
	20-5T0984	1.250	1.250	1.250	0.000	0.171	7.000	1.811	1.164	0.984		
	20-5T1260	1.250	1.250	1.250	0.000	0.171	7.000	2.205	1.164	1.260		
	12-6T0472	0.750	0.750	0.750	0.000	0.211	5.000	1.457	0.645	0.472	SH080200	
	12-6T0787	0.750	0.750	0.750	0.000	0.211	5.000	1.614	0.645	0.787		
16-6T0472	1.000	1.000	1.000	0.276	0.211	6.000	1.457	0.895	0.472			
16-6T0787	1.000	1.000	1.000	0.276	0.211	6.000	1.614	0.895	0.787			
16-6T1260	1.000	1.000	1.000	0.276	0.211	6.000	2.205	0.895	1.260	SH080250		
20-6T0472	1.250	1.250	1.250	0.000	0.211	7.000	1.457	1.145	0.472			
20-6T0787	1.250	1.250	1.250	0.000	0.211	7.000	1.614	1.145	0.787			
20-6T0984	1.250	1.250	1.250	0.000	0.211	7.000	1.811	1.145	0.984			
20-6T1260	1.250	1.250	1.250	0.000	0.211	7.000	2.205	1.145	1.260			
16-8T0630	1.000	1.000	1.000	0.276	0.244	6.000	1.850	0.878	0.630	SH080250		
16-8T0984	1.000	1.000	1.000	0.276	0.244	6.000	1.850	0.878	0.984			
16-8T1417	1.000	1.000	1.000	0.276	0.244	6.000	2.362	0.878	1.417			
20-8T0984	1.250	1.250	1.250	0.000	0.244	7.000	1.850	1.128	0.984			
20-8T1417	1.250	1.250	1.250	0.000	0.244	7.000	2.362	1.128	1.417			

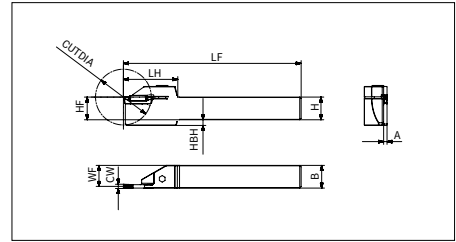
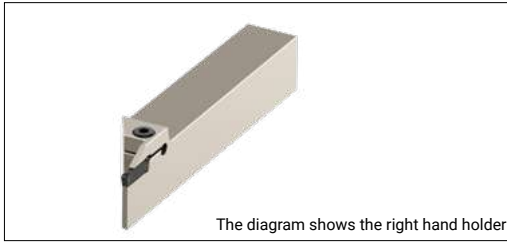
Grooving

Applicable Insert

Application		Low feed rate	Low-Medium feed rate	Medium to high feed rate	Finishing	Low feed rate	Medium feed rate	Profiling	Ground Profiling	Ground
Insert shape	Insert Size (mm)	CS 	CM 	CH 	GS 	TS 	TM 	RM 	RA 	G 
Product code										
ATSER/L** 2T	2	ACD 202 ACD 302	ACD/ACS 202 ACD/ACS 603	ACD/ACS 202 ACD/ACS 603	ATD 300E ATD 714E	ATD 203 ATD 808	ATD 304 ATD 812	ATD 210 ATD 840	ATD 315 ATD 840	ATD 100E ATD 800E
ATSER/L** 3T	3									
ATSER/L** 4T	4									
ATSER/L** 5T	5									
ATSER/L** 6T	6									
ATSER/L** 8T	8									
Reference page		P175	P176	P177	P178	P179	P179	P180	P180	P182

Inserts*: ACD/ACS series are only applicable to grooving and parting off machining

ATSER/L-D Reinforced External Turning and Grooving Holder



Product code		Dimension (inch)										Spare parts	
		H	B	HF	HBH	A	LF	LH	WF	CDX	CUTDIA	Screw	Wrench
ATSER/L	06-2T0591-D40	0.375	0.375	0.375	0.236	0.071	5.000	1.260	0.340	0.591	1.575	SH050160	LT-H4
	08-2T0591-D40	0.500	0.500	0.500	0.157	0.071	5.000	1.260	0.465	0.591	1.575		
	10-2T0787-D45	0.625	0.625	0.625	0.157	0.071	5.000	1.496	0.590	0.787	1.772		
	12-2T0787-D45	0.750	0.750	0.750	0.000	0.071	5.000	1.496	0.715	0.787	1.772		
	16-2T0787-D45	1.000	1.000	1.000	0.000	0.071	6.000	1.496	0.965	0.787	1.772		
	08-3T0591-D40	0.500	0.500	0.500	0.157	0.094	5.000	1.260	0.453	0.591	1.575		
	10-3T0787-D45	0.625	0.625	0.625	0.157	0.094	5.000	1.496	0.578	0.787	1.772		
	12-3T0787-D45	0.750	0.750	0.750	0.000	0.094	5.000	1.496	0.703	0.787	1.772		
	16-3T0787-D45	1.000	1.000	1.000	0.000	0.094	6.000	1.496	0.953	0.787	1.772		
	16-3T0984-D60	1.000	1.000	1.000	0.276	0.094	6.000	1.693	0.953	0.984	2.362	SH050250	

Applicable Insert

Application	Insert shape	Insert Size (mm)	Low feed rate	Low-Medium feed rate	Medium to high feed rate	Finishing	Low feed rate	Medium feed rate	Profiling	Ground Profiling	Ground
Product code			CS	CM	CH	GS	TS	TM	RM	RA	G
ATSER/L** 2T-D	2	ACD 202 ACD 302	ACD 202 ACD 302	ACD/ACS 202 ACD/ACS 302	ACD/ACS 202 ACD/ACS 302	ATD 300E ATD 318E	ATD 203 ATD 303	ATD 304	ATD 210 ATD 315	ATD 315	ATD 100E ATD 300E
ATSER/L** 3T-D											
Reference page			P175	P176	P177	P178	P179	P179	P180	P180	P182

Inserts*: ACD/ACS series are only applicable to grooving and parting off machining

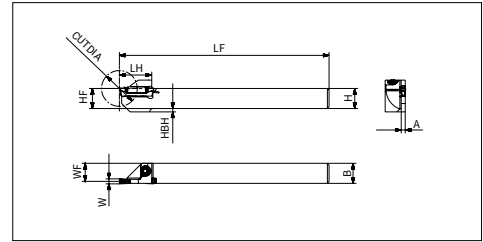
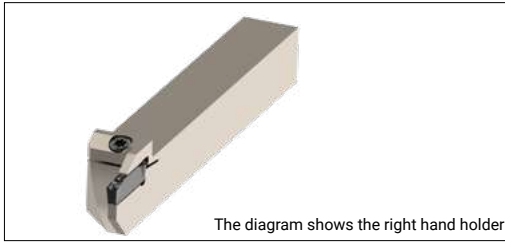
The max. cutting depth vs workpiece diameter

Product code	Workpiece diameter	CDX (inch)																	
		≤0.314	0.354	0.394	0.433	0.472	0.512	0.551	0.591	0.669	0.709	0.748	0.787	0.827	0.866	0.906	0.945	0.984	
ATSER/L	CUTDIA	06-2T0591-D40	∞	∞	∞	10.591	4.724	3.110	2.323	1.575	-	-	-	-	-	-	-	-	-
		08-2T0591-D40	∞	∞	∞	10.591	4.724	3.110	2.323	1.575	-	-	-	-	-	-	-	-	-
		10-2T0787-D45	∞	∞	∞	∞	∞	17.008	7.598	4.921	2.992	2.520	2.244	1.772	-	-	-	-	-
		12-2T0787-D45	∞	∞	∞	∞	∞	17.008	7.598	4.921	2.992	2.520	2.244	1.772	-	-	-	-	-
		16-2T0787-D45	∞	57.795	13.346	7.598	5.354	4.173	3.425	2.953	2.362	2.205	2.047	1.772	-	-	-	-	-
		08-3T0591-D40	∞	∞	∞	10.591	4.724	3.110	2.323	1.575	-	-	-	-	-	-	-	-	-
		10-3T0787-D45	∞	∞	∞	∞	∞	17.008	7.598	4.921	2.992	2.520	2.244	1.772	-	-	-	-	-
		12-3T0787-D45	∞	∞	∞	∞	∞	17.008	7.598	4.921	2.992	2.520	2.244	1.772	-	-	-	-	-
		16-3T0787-D45	∞	57.795	13.346	7.598	5.354	4.173	3.425	2.953	2.362	2.205	2.047	1.772	-	-	-	-	-
		16-3T0984-D60	∞	∞	∞	∞	∞	∞	∞	∞	16.457	9.331	6.575	5.118	4.213	3.583	3.189	2.874	2.362

"∞": The diameter is infinite



ATSER/L-SW External Turning and Grooving Holder for Swiss Lathe

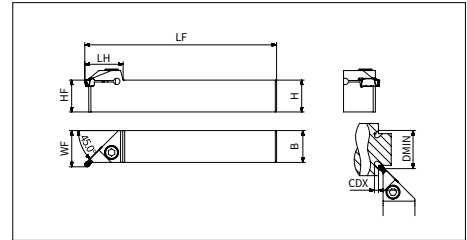
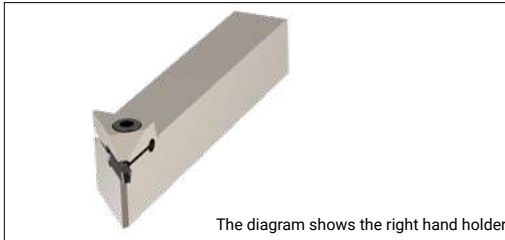


Product code		Dimension (inch)									Spare parts	
		H	B	HF	HBH	A	LF	LH	WF	CUTDIA	Screw	Wrench
ATSER/L	06-2D20-SW	0.375	0.375	0.375	0.079	0.071	5.000	0.748	0.340	0.787	SP040125	LT-TP15
	08-2D24-SW	0.500	0.500	0.500	0.079	0.071	5.000	0.748	0.465	0.945		
	10-2D32-SW	0.625	0.625	0.625	0.000	0.071	5.000	0.945	0.590	1.260		
	08-3D24-SW	0.500	0.500	0.500	0.079	0.094	5.000	0.748	0.453	0.945		
	10-3D32-SW	0.625	0.625	0.625	0.000	0.094	5.000	0.945	0.578	1.260		
	10-3D38-SW	0.625	0.625	0.625	0.000	0.094	5.000	1.063	0.578	1.496		
	12-3D45-SW	0.750	0.750	0.750	0.000	0.094	5.000	1.220	0.703	1.772		

Applicable Insert

Application	Insert Shape	Low feed rate	Low-Medium feed rate	Medium to high feed rate	Finishing	Low feed rate	Medium feed rate	Profiling	Ground Profiling	Ground
Product code		CS	CM	CH	GS	TS	TM	RM	RA	G
ATSER/L** 2D-SW	2	ACD 202	ACD/ACS 202	ACD/ACS 202	ATD 300E	ATD 203	ATD 304	ATD 210	ATD 315	ATD 100E
ATSER/L** 3D-SW	3	ACD 302	ACD/ACS 302	ACD/ACS 302	ATD 318E	ATD 303		ATD 315		ATD 300E
Reference page		P175	P176	P177	P178	P179	P179	P180	P180	P182

AGUER/L External Undercutting Holder



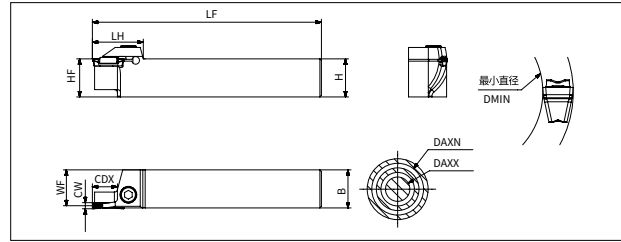
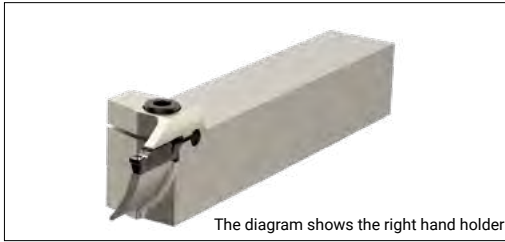
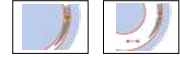
Product code	Insert Size (mm)	Dimension (inch)									Spare parts	
		H	B	HF	LF	LH	WF	CDX	DMIN	Screw	Wrench	
AGUER/L	10-3	2, 3	0.625	0.625	0.625	4.500	1.189	0.767	0.118	2.362	SH050160	LT-H4
	10-4	4	0.625	0.625	0.625	4.500	1.189	0.775	0.118	2.165	SH060160	
	12-3	2, 3	0.750	0.750	0.750	5.000	1.189	0.892	0.118	2.362	SH050200	LT-H5
	12-4	4	0.750	0.750	0.750	5.000	1.189	0.900	0.118	2.165	SH060200	
	16-3	2, 3	1.000	1.000	1.000	6.000	1.189	1.142	0.118	2.362	SH050250	LT-H4
	16-4	4	1.000	1.000	1.000	6.000	1.189	1.150	0.118	2.165	SH060250	LT-H5
16-6	5, 6	1.000	1.000	1.000	6.000	1.323	1.165	0.138	2.165	SH060250	LT-H5	

Grooving

Applicable Insert

Application	Profiling	Ground Profiling	Ground
Insert shape	RM	RA	G
Product code			
AGUER/L**	ATD 210 ATD 630	ATD 315 ATD 630	ATD 100E ATD 600E
Reference page	P180	P180	P182

ATSFR/L Face Grooving and Turning Holder



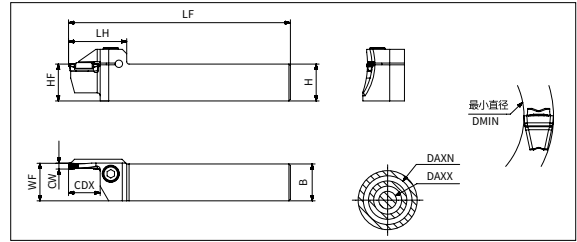
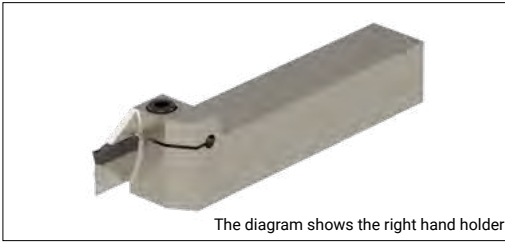
Product code		Dimension (inch)									Spare parts	
		H	B	HF	LF	LH	WF	CDX	DAXX	DAXN	Screw	Wrench
ATSFR/L	16-3T0394-35-45	1.000	1.000	1.000	6.000	1.260	0.959	0.394	1.378	1.772	SH050250	LT-H4
	16-3T0394-40-55	1.000	1.000	1.000	6.000	1.260	0.959	0.394	1.575	2.165		
	16-3T0591-45-65	1.000	1.000	1.000	6.000	1.260	0.959	0.591	1.772	2.559		
	16-3T0591-55-85	1.000	1.000	1.000	6.000	1.260	0.959	0.591	2.165	3.346		
	16-4T0591-35-50	1.000	1.000	1.000	6.000	1.260	0.943	0.591	1.378	1.969	SH060250	LT-H5
	16-4T0591-45-65	1.000	1.000	1.000	6.000	1.260	0.943	0.591	1.772	2.559		
	16-4T0591-55-85	1.000	1.000	1.000	6.000	1.260	0.943	0.591	2.165	3.346		
	16-5T0787-50-80	1.000	1.000	1.000	6.000	1.575	0.923	0.787	1.969	3.150	SH080250	LT-H6
	16-5T0787-70-110	1.000	1.000	1.000	6.000	1.575	0.923	0.787	2.756	4.331		
	16-5T0787-100-150	1.000	1.000	1.000	6.000	1.575	0.923	0.787	3.937	5.906		
	16-5T0787-140-200	1.000	1.000	1.000	6.000	1.575	0.923	0.787	5.512	7.874		
	16-6T0787-50-85	1.000	1.000	1.000	6.000	1.575	0.904	0.787	1.969	3.346		
16-6T0787-75-150	1.000	1.000	1.000	6.000	1.575	0.904	0.787	2.953	5.906			
16-6T0787-140-250	1.000	1.000	1.000	6.000	1.575	0.904	0.787	5.512	9.843			
16-6T0787-200-000	1.000	1.000	1.000	6.000	1.575	0.904	0.787	7.874	∞			

Applicable Insert

Application		Insert Size (mm)	Low-Medium feed rate	Medium to high feed rate	Finishing	Low feed rate	Medium feed rate	Profiling	Ground
Product code	Insert shape		CM	CH	GS	TS	TM	RM	G
		Minimum machining diameter DMIN(inch)							
	ATSFR/L 16-3T	3	3.110	3.110	2.323	1.378	1.378	2.323	2.323
	ATSFR/L 16-4T	4	1.654	1.654	1.654	1.378	1.378	1.654	1.654
	ATSFR/L 16-5T	5	1.969	1.969	1.969	1.969	1.969	1.969	1.969
	ATSFR/L 16-6T	6	1.969	1.969	1.969	1.969	1.969	1.969	1.969
Reference page			P176	P177	P178	P179	P179	P180	P182

Inserts*: ACD/ACS series are only applicable to grooving and parting off machining
 Having selected the range of tool holder, please check the minimum face grooving machining diameter of the selected insert








ATSFR/L-OB Face Grooving and Turning Holder (Outside Bluge Type)



Product code		Dimension (inch)									Spare parts	
		H	B	HF	LF	LH	WF	CDX	DAXX	DAXN	Screw	Wrench
ATSFR/L	12-3T0394-30-40-OB	0.750	0.750	0.750	5.500	1.220	0.671	0.394	1.181	1.575	SH060200	LT-H5
	12-3T0394-35-50-OB	0.750	0.750	0.750	5.500	1.220	0.671	0.394	1.378	1.969		
	12-3T0591-45-70-OB	0.750	0.750	0.750	5.500	1.378	0.671	0.591	1.772	2.756		
	12-3T0591-65-100-OB	0.750	0.750	0.750	5.500	1.378	0.671	0.591	2.559	3.937		
	12-4T0394-20-30-OB	0.750	0.750	0.750	5.500	1.220	0.656	0.394	0.787	1.181		
	12-4T0394-25-35-OB	0.750	0.750	0.750	5.500	1.220	0.656	0.394	0.984	1.378		
	12-4T0630-30-45-OB	0.750	0.750	0.750	5.500	1.417	0.656	0.630	1.181	1.772		
	12-4T0630-35-50-OB	0.750	0.750	0.750	5.500	1.417	0.656	0.630	1.378	1.969		
	12-4T0630-45-70-OB	0.750	0.750	0.750	5.500	1.417	0.656	0.630	1.772	2.756		
	12-4T0630-65-120-OB	0.750	0.750	0.750	5.500	1.417	0.656	0.630	2.559	4.724		
	12-4T0630-115-200-OB	0.750	0.750	0.750	5.500	1.417	0.656	0.630	4.528	7.874		
	16-3T0394-35-50-OB	1.000	1.000	1.000	6.000	1.496	0.974	0.394	1.378	1.969	SH060250	LT-H5
	16-3T0591-45-70-OB	1.000	1.000	1.000	6.000	1.496	0.974	0.591	1.772	2.756		
	16-3T0591-65-100-OB	1.000	1.000	1.000	6.000	1.496	0.974	0.591	2.559	3.937		
	16-4T0394-25-35-OB	1.000	1.000	1.000	6.000	1.535	0.959	0.394	0.984	1.378		
	16-4T0787-30-45-OB	1.000	1.000	1.000	6.000	1.535	0.959	0.787	1.181	1.772		
	16-4T0787-35-50-OB	1.000	1.000	1.000	6.000	1.535	0.959	0.787	1.378	1.969		
	16-4T0787-45-70-OB	1.000	1.000	1.000	6.000	1.535	0.959	0.787	1.772	2.756		
	16-4T0787-65-125-OB	1.000	1.000	1.000	6.000	1.535	0.959	0.787	2.559	4.921		
	16-4T0787-115-200-OB	1.000	1.000	1.000	6.000	1.535	0.959	0.787	4.528	7.874		
	16-4T0787-190-000-OB	1.000	1.000	1.000	6.000	1.535	0.959	0.787	7.480	∞		
	16-5T0984-50-80-OB	1.000	1.000	1.000	6.000	1.929	0.939	0.984	1.969	3.150	SH080250	LT-H6
	16-5T0591-50-80-OB	1.000	1.000	1.000	6.000	1.614	0.939	0.591	1.969	3.150		
	16-5T0984-70-110-OB	1.000	1.000	1.000	6.000	1.929	0.939	0.984	2.756	4.331		
	16-5T0591-70-110-OB	1.000	1.000	1.000	6.000	1.929	0.939	0.591	2.756	4.331		
	16-5T0984-100-150-OB	1.000	1.000	1.000	6.000	1.929	0.939	0.984	3.937	5.906		
	16-5T0984-140-200-OB	1.000	1.000	1.000	6.000	1.929	0.939	0.984	5.512	7.874		
	16-5T0984-190-000-OB	1.000	1.000	1.000	6.000	1.929	0.939	0.984	7.480	∞		
	16-6T0984-50-70-OB	1.000	1.000	1.000	6.000	1.929	0.919	0.984	1.969	2.756		
	16-6T0984-60-100-OB	1.000	1.000	1.000	6.000	1.929	0.919	0.984	2.362	3.937		
16-6T0984-90-180-OB	1.000	1.000	1.000	6.000	1.929	0.919	0.984	3.543	7.087			
16-6T0984-170-400-OB	1.000	1.000	1.000	6.000	1.929	0.919	0.984	6.693	15.748			
16-6T0984-390-000-OB	1.000	1.000	1.000	6.000	1.929	0.919	0.984	15.354	∞			

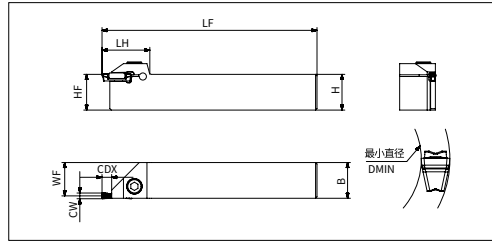
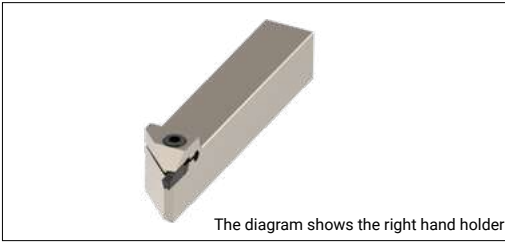
Grooving

Applicable Insert

Application		Insert Size (mm)	Low-Medium feed rate	Medium to high feed rate	Finishing	Low feed rate	Medium feed rate	Profiling	Ground
Product code	Insert shape Minimum machining diameter DMIN (inch)		CM 	CH 	GS 	TS 	TM 	RM 	G 
ATSFR/L 12-3T...OB		3	3.110	3.110	2.323	1.181	1.181	2.323	2.323
ATSFR/L 12-4T...OB		4	1.654	1.654	1.654	0.866	0.866	1.654	1.654
ATSFR/L 16-3T...OB		3	3.110	3.110	2.323	1.378	1.378	2.323	2.323
ATSFR/L 16-4T...OB		4	1.654	1.654	1.654	0.984	0.984	1.654	1.654
ATSFR/L 16-5T...OB		5	1.969	1.969	1.969	1.969	1.969	1.969	1.969
ATSFR/L 16-6T...OB		6	1.969	1.969	1.969	1.969	1.969	1.969	1.969
Reference page			P176	P177	P178	P179	P179	P180	P182

1. Inserts*: ACD/ACS series are only applicable to grooving and parting off machining
2. Having selected the range of tool holder, please check the minimum face grooving machining diameter of the selected insert

AGSFR/L External & Face Grooving and Turning Holder



Product code	Insert Size (mm)	Dimension (inch)								Spare parts	
		H	B	HF	LF	LH	WF	CDX	Screw	Wrench	
AGSFR/L	10-4	2,3,4	0.625	0.625	0.625	4.500	1.299	0.558	0.181	SH060160	LT-H5
	12-4	2,3,4	0.750	0.750	0.750	5.000	1.299	0.683	0.181	SH060200	
	12-6	5,6	0.750	0.750	0.750	5.000	1.457	0.644	0.181	SH060250	
	16-4	2,3,4	1.000	1.000	1.000	6.000	1.299	0.933	0.181	SH060250	
	16-6	5,6	1.000	1.000	1.000	6.000	1.457	0.894	0.181	SH060250	

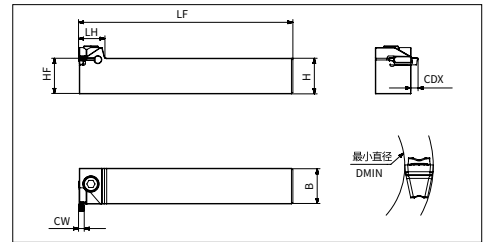
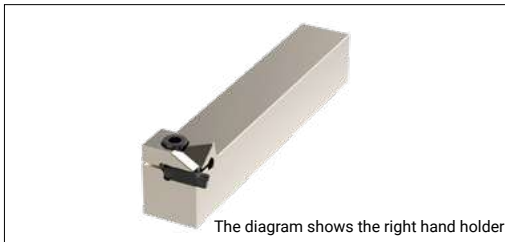
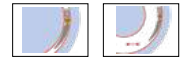
Applicable Insert

Application	Insert Shape	Low feed rate	Low-Medium feed rate	Medium to high feed rate	Finishing	Low feed rate	Medium feed rate	Profiling	Ground
		CS	CM	CH	GS	TS	TM	RM	G
AGSFR/L**	2	7.717	7.717	7.717	3.937	7.717	-	7.717	3.937
	3	3.110	3.110	3.110	2.323	0.949	0.949	2.323	2.323
	4	-	1.654	1.654	1.654	0.866	0.866	1.654	1.654
	5	-	1.969	1.969	1.575	0.787	0.787	1.575	1.575
	6	-	1.890	1.890	1.496	0.709	0.709	1.496	1.496
Reference page		P175	P176	P177	P178	P179	P179	P180	P182

1. Inserts*: ACD/ACS series are only applicable to grooving and parting off machining
2. - : Indicates that the insert is not a choice
3. Having selected the range of tool holder, please check the minimum face grooving machining diameter of the selected insert

Grooving

AGPFR/L Face Grooving and Turning Holder



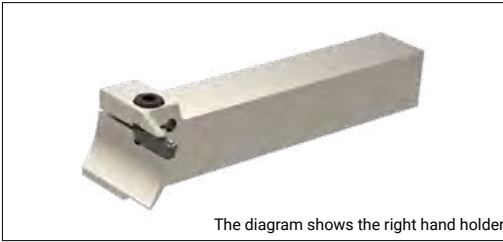
Product code	Insert Size (mm)	Dimension (inch)							Spare parts	
		H	B	HF	LF	LH	CDX	Screw	Wrench	
AGPFR/L	12-4	2,3,4	0.750	0.750	0.750	5.000	0.709	0.181	SH060200	LT-H5
	16-4	2,3,4	1.000	1.000	1.000	6.000	0.709	0.181	SH060250	LT-H5
	16-6	5,6	1.000	1.000	1.000	6.000	0.866	0.181		

Applicable Insert

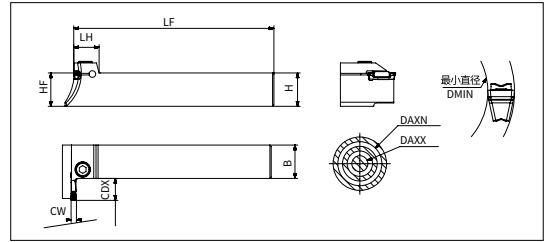
Application	Insert shape	Insert Size (mm)	Low feed rate	Low-Medium feed rate	Medium to high feed rate	Finishing	Low feed rate	Medium feed rate	Profiling	Ground
			CS	CM	CH	GS	TS	TM	RM	G
AGPFR/L**	Minimum machining diameter DMIN (inch)	2	7.717	7.717	7.717	3.937	7.717	-	7.717	3.937
		3	3.110	3.110	3.110	2.323	0.949	0.949	2.323	2.323
		4	-	1.654	1.654	1.654	0.866	0.866	1.654	1.654
		5	-	1.969	1.969	1.575	0.787	0.787	1.575	1.575
		6	-	1.890	1.890	1.496	0.709	0.709	1.496	1.496
Reference page			P175	P176	P177	P178	P179	P179	P180	P182

1. Inserts*: ACD/ACS series are only applicable to grooving and parting off machining
2. — : Indicates that the insert is not a choice
3. Having selected the range of tool holder, please check the minimum face grooving machining diameter of the selected insert

ATPFR/L Face Grooving and Turning Holder



The diagram shows the right hand holder



Product code		Insert Size (mm)	Dimension (inch)							Spare parts	
			H	B	LF	LH	CDX	DAXX	DAXN	Screw	Wrench
ATPFR/L	16-3T0394-30-40	3	1.000	1.000	6.000	0.709	0.394	1.181	1.575	SH050250	LT-H4
	16-3T0394-35-50	3	1.000	1.000	6.000	0.709	0.394	1.378	1.969		
	16-3T0591-45-60	3	1.000	1.000	6.000	0.709	0.591	1.772	2.362		
	16-3T0591-55-85	3	1.000	1.000	6.000	0.709	0.591	2.165	3.346		
	16-4T0472-25-40	4	1.000	1.000	6.000	0.728	0.472	0.984	1.575	SH060250	LT-H5
	16-4T0591-35-50	4	1.000	1.000	6.000	0.728	0.591	1.378	1.969		
	16-4T0591-45-60	4	1.000	1.000	6.000	0.728	0.591	1.772	2.362		
	16-4T0591-55-85	4	1.000	1.000	6.000	0.728	0.591	2.165	3.346		
	16-5T0787-50-80	5	1.000	1.000	6.000	0.866	0.787	1.969	3.150	SH080250	LT-H6
	16-5T0787-70-110	5	1.000	1.000	6.000	0.866	0.787	2.756	4.331		
	16-5T0787-100-150	5	1.000	1.000	6.000	0.866	0.787	3.937	5.906		
	16-5T0787-140-200	5	1.000	1.000	6.000	0.866	0.787	5.512	7.874		
	16-5T0787-190-000	5	1.000	1.000	6.000	0.866	0.787	7.480	∞	SH080250	LT-H6
	16-6T0787-50-85	6	1.000	1.000	6.000	0.866	0.787	1.969	3.346		
	16-6T0787-75-150	6	1.000	1.000	6.000	0.866	0.787	2.953	5.906		
	16-6T0787-140-250	6	1.000	1.000	6.000	0.866	0.787	5.512	9.843		
16-6T0787-240-000	6	1.000	1.000	6.000	0.866	0.787	9.449	∞			

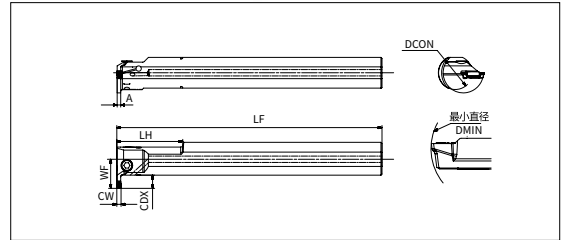
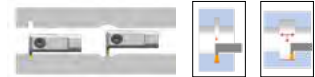
Grooving

Applicable Insert

Application	Insert shape	Insert Size (mm)	Low-Medium feed rate	Medium to high feed rate	Finishing	Low feed rate	Medium feed rate	Profiling	Ground
			CM	CH	GS	TS	TM	RM	G
Product code	Minimum machining diameter DMIN (inch)								
ATPFR/L 16-3T	3	3.110	3.110	2.323	1.378	1.378	2.323	2.323	
ATPFR/L 16-4T	4	1.654	1.654	1.654	1.378	1.378	1.654	1.654	
ATPFR/L 16-5T	5	1.969	1.969	1.969	1.969	1.969	1.969	1.969	
ATPFR/L 16-6T	6	1.969	1.969	1.969	1.969	1.969	1.969	1.969	
Reference page			P176	P177	P178	P179	P179	P180	P182

1. Inserts*: ACD/ACS series are only applicable to grooving and parting off machining
2. Having selected the range of tool holder, please check the minimum face grooving machining diameter of the selected insert

ATPIR/L Internal Turning, Grooving and Profiling Holder



Product code		Dimension (inch)							Spare parts	
		DCON	LF	LH	WF	A	CDX	DMIN	Screw	Wrench
ATPIR/L	0750-2T0236-25-C	0.750	6.500	1.575	0.622	0.071	0.236	0.984	SH050120	LT-H4
	1000-2T0197-25-C	1.000	8.000	1.575	0.689	0.071	0.197	0.984	SH050160	
	1250-2T0197-30-C	1.250	10.000	1.575	0.780	0.071	0.197	1.181	SH050120	
	0750-3T0236-25-C	0.750	6.500	1.575	0.622	0.094	0.236	0.984	SH050160	
	1000-3T0197-25-C	1.000	8.000	1.575	0.689	0.094	0.197	0.984	SH050160	
	1000-3T0315-32-C	1.000	8.000	1.575	0.846	0.094	0.315	1.260	SH050160	
	1250-3T0197-30-C	1.250	10.000	2.362	0.780	0.094	0.197	1.181	SH050160	
	1250-3T0394-40-C	1.250	8.000	2.362	1.063	0.094	0.394	1.575	SH050160	
	1500-3T0472-50-C	1.500	12.000	2.559	1.299	0.094	0.472	1.969	SH050160	
	0750-4T0236-25-C	0.750	6.500	1.575	0.622	0.132	0.236	0.984	SH050120	
	1000-4T0197-25-C	1.000	8.000	1.575	0.689	0.132	0.197	0.984	SH050160	
	1000-4T0315-32-C	1.000	8.000	1.575	0.846	0.132	0.315	1.260	SH050160	
	1250-4T0197-30-C	1.250	10.000	2.362	0.819	0.132	0.197	1.181	SH060160	LT-H5
	1250-4T0394-40-C	1.250	10.000	2.362	1.063	0.132	0.394	1.575	SH060160	
	1500-4T0472-50-C	1.500	12.000	2.559	1.299	0.132	0.472	1.969	SH060160	
	2000-4T0551-60-C	2.000	14.000	2.756	1.575	0.132	0.551	2.362	SH060200	
	1000-5T0197-31-C	1.000	8.000	1.575	0.681	0.171	0.197	1.220	SH060160	
	1250-5T0197-31-C	1.250	10.000	2.362	0.819	0.171	0.197	1.220	SH060200	
	1250-5T0394-40-C	1.250	10.000	2.362	1.063	0.171	0.394	1.575	SH060200	
	1500-5T0472-50-C	1.500	12.000	2.559	1.299	0.171	0.472	1.969	SH060250	
2000-5T0551-60-C	2.000	14.000	2.756	1.575	0.171	0.551	2.362	SH060250		
1250-6T0197-31-C	1.250	10.000	2.362	0.819	0.211	0.197	1.220	SH060200		
1250-6T0394-40-C	1.250	10.000	2.362	1.063	0.211	0.394	1.575	SH060200		
1500-6T0472-50-C	1.500	12.000	2.559	1.299	0.211	0.472	1.969	SH060250		
2000-6T0551-60-C	2.000	14.000	2.756	1.575	0.211	0.551	2.362	SH060250		
1250-8T0236-38-C	1.250	10.000	2.362	0.839	0.244	0.236	1.496	SH060200		
1500-8T0236-42-C	1.500	12.000	2.559	1.016	0.244	0.236	1.654	SH060250		

Applicable Insert

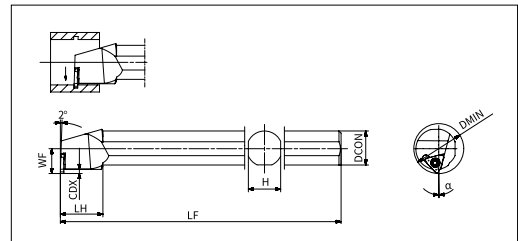
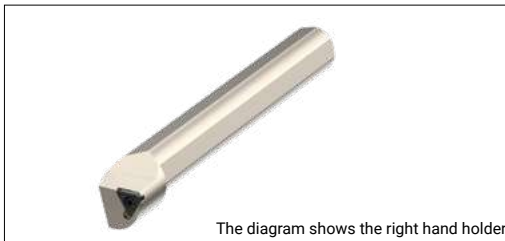
Application	Insert shape	Insert Size (mm)	Low-Medium feed rate	Medium to high feed rate	Finishing	Low feed rate	Medium feed rate	Profiling	Ground
			CM	CH	GS	TS	TM	RM	G
Product code	Minimum machining diameter DMIN(inch)								
ATPIR/L **-2T	2	-	-	-	0.984	0.984	0.984	-	0.984
ATPIR/L **-3T	3	1.969	1.969	1.969	0.984	0.984	0.984	0.984	0.984
ATPIR/L **-4T	4	1.969	1.969	1.969	0.984	0.984	0.984	0.984	0.984
ATPIR/L **-5T	5	1.969	1.969	1.969	1.221	1.221	1.221	1.221	1.221
ATPIR/L **-6T	6	1.969	1.969	1.969	1.221	1.221	1.221	1.221	1.221
ATPIR/L **-8T	8	-	-	-	1.496	1.496	1.496	1.496	1.496
Reference page			P176	P177	P178	P179	P179	P180	P182

1. Inserts*: ACD/ACS series are only applicable to grooving and parting off machining
2. - : Indicates that the insert is not a choice
3. Having selected the range of tool holder, please check the minimum face grooving machining diameter of the selected insert

ATGI Tool Holder Denomination System

A 1	T 2	G 3	I 4	R 5	1000 6	S 7	43 8	- -	40 9	T30 10
1-Company Name ACHTECK		2-Matching Insert Type T Triangular		3-Application G Grooving		4-Holder Type I Internal machining		5-Hand of Tool L Left R Right		
6-Holder Size 25=0.984inch 32=1.260inch		7-Holder Length R:8.661inch S:9.843inch		8-Matching Insert Size (IC) 43=0.500inch		9-Minimum Internal Machining Diameter 40=1.575inch		10-Maximum Ap T30=0.118inch		

ATGIR/L Internal Grooving Holder



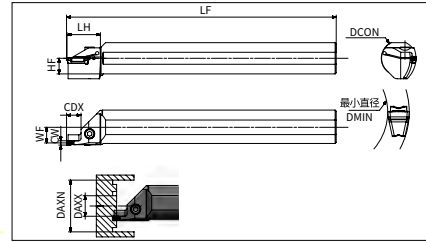
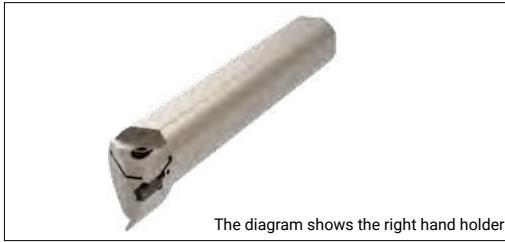
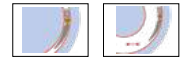
Product code		Dimension (inch)						Spare parts	
		DMIN	DCON	LF	LH	WF	CDX	Screw	Wrench
ATGIR/L	1000R32-35T0110	1.378	1.000	8.661	1.181	0.689	0.110	SP040085	FT-TP15
	1250S43-40T0118	1.575	1.250	9.843	1.181	0.906	0.118	SP05008550	FT-TP20

Applicable Insert

Application	Grooving	Profiling
Insert shape		
Product code		
ATGIR/L** 32	ATG 32	ATG 32
ATGIR/L** 43	ATG 43	ATG 43
Reference page	P173	P174

Grooving

ATSIR/L Internal Facing Grooving and Turning Holder



Product code		Dimension (inch)								Spare parts	
		DCON	LF	LH	WF	A	CDX	DMIN	DMAX	Screw	Wrench
ATSIR/L	1000-3T0472-35-45-C	1.000	8.000	1.220	0.453	0.453	0.472	1.378	1.772	SH050160	LT-H4
	1000-3T0472-40-60-C	1.000	8.000	1.220	0.453	0.453	0.472	1.575	2.362		
	1000-3T0472-55-90-C	1.000	8.000	1.220	0.453	0.453	0.472	2.165	3.543		
	1000-3T0472-80-150-C	1.000	8.000	1.220	0.453	0.453	0.472	3.150	5.906		
	1000-4T0472-20-35-C	1.000	8.000	1.220	0.433	0.453	0.472	0.787	1.378		
	1000-4T0472-28-45-C	1.000	8.000	1.220	0.433	0.453	0.472	1.102	1.772		
	1000-4T0472-35-55-C	1.000	8.000	1.220	0.433	0.453	0.472	1.378	2.165		
	1250-4T0472-45-70-C	1.250	10.000	1.220	0.571	0.591	0.472	1.772	2.756		
	1250-4T0472-60-100-C	1.250	10.000	1.220	0.571	0.591	0.472	2.362	3.937		
	1250-4T0472-90-180-C	1.250	10.000	1.220	0.571	0.591	0.472	3.543	7.087		

Applicable Insert

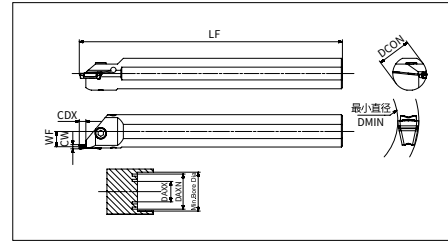
Application	Insert shape	Insert Size (mm)	Low-Medium feed rate	Medium to high feed rate	Finishing	Low feed rate	Medium feed rate	Profiling	Ground
			CM	CH	GS	TS	TM	RM	G
Product code	Minimum machining diameter DMIN(inch)								
ATSIR/L **3T		3	3.15	3.15	2.323	1.378	1.378	2.323	2.323
ATSIR/L **4T		4	1.654	1.654	1.654	0.866	0.866	1.654	1.654
Reference page			P176	P177	P175	P179	P179	P180	P182

1. Inserts*: ACD/ACS series are only applicable to grooving and parting off machining
2. Having selected the range of tool holder, please check the minimum face grooving machining diameter of the selected insert

AGSIR/L Internal Facing Grooving and Turning Holder



The diagram shows the right hand holder



Product code		Insert Size(mm)	Dimension (inch)					Spare parts	
			DCON	LF	LH	WF	CDX	Screw	Wrench
AGSIR/L	1000-4T0228-C	2,3,4	1.000	8.000	0.484	0.429	0.228	SH060160	LT-H5
	1000-6T0228-C	5,6	1.000	8.000	0.484	0.406	0.228		
	1250-4T0228-C	2,3,4	1.250	10.000	0.622	0.571	0.228		
	1250-6T0228-C	5,6	1.250	10.000	0.622	0.543	0.228		

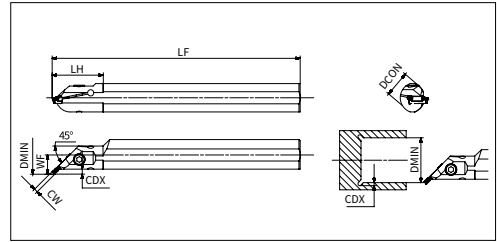
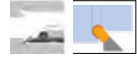
Applicable Insert

Application	Insert Shape	Insert Size (mm)	Low feed rate	Low-Medium feed rate	Medium to high feed rate	Finishing	Low feed rate	Medium feed rate	Profiling	Ground
			CS	CM	CH	GS	TS	TM	RM	G
AGSIR/L**	Minimum machining diameter DMIN(inch)	2	7.717	7.717	7.717	3.937	7.717	-	7.717	3.937
		3	3.110	3.110	3.110	2.323	0.949	0.949	2.323	2.323
		4	-	1.654	1.654	1.654	0.866	0.866	1.654	1.654
		5	-	1.969	1.969	1.575	0.787	0.787	1.575	1.575
		6	-	1.890	1.890	1.496	0.709	0.709	1.496	1.496
Reference page			P175	P176	P177	P178	P179	P179	P180	P182

1. Inserts*: ACD/ACS series are only applicable to grooving and parting off machining
2. - : Indicates that the insert is not a choice
3. Having selected the range of tool holder, please check the minimum face grooving machining diameter of the selected insert

Grooving

AGUIR/L Internal Undercutting holder



Product code		Insert Size(mm)	Dimension (inch)						Spare parts	
			DCON	LF	LH	WF	CDX	DIMN	Screw	Wrench
AGUIR/L	0750-3T0118-45	3	0.750	6.000	1.575	0.484	0.118	1.772	SH050120	LT-H4
	0750-4T0118-45	4	0.750	6.000	1.575	0.484	0.118	1.772		
	0750-3T0118-45	3	1.000	8.000	1.575	0.567	0.118	1.772	SH050160	
	1000-4T0118-45	4	1.000	8.000	1.575	0.567	0.118	1.772		
	1000-6T0118-45	5,6	1.000	8.000	1.575	0.567	0.118	1.772	SH060160	

Applicable Insert

Application	Profiling	Ground Profiling	Ground
Insert shape	RM	RA	G
Product code			
AGUER/L**	ATD 315 ATD 630	ATD 315 ATD 630	ATD 300E ATD 600E
Reference page	P180	P180	P182

Grooving Grade Description

Grade for Parting off and Grooving

P

Steel, cast steel, long chipping malleable cast iron.

Basic grade

AP301U P25(P15-P35)

PVD coated grade, suitable for steel, stainless steel and heat resistant alloy grooving. High strength and wear resistant submicron carbide substrate with nanostructured PVD coating. Good coating adhesion, high wear resistance.

AC230P P20(P10-P30)

CVD coated grade. It's mainly used in steel, grey cast iron and nodular cast iron grooving, turning and profiling under high cutting speed. High toughness and wear resistant substrate combined with nano-structured coating offered good wear resistance, coating adhesion, machining stability and longer tool life.

Supplemental grade

AP330M P35(P25-P45)

Brand new PVD coated grade. Suitable for stainless steel and steel finish, semi-finish and rough grooving. It's the 1st choice for stainless steel turning, and good for steel turning as well. It has high thermal stability, wear resistance, and excellent thermal crack resistance. Enriched cobalt superfine grain substrate offers high hardness and good anti shock capability which reduces the edge chipping problem.

M

Austenitic/ferrite/martensite, cast iron, manganese steel, alloyed cast iron, malleable cast iron, free cutting iron

Basic grade

AP330M M35(M25-M45)

Brand new PVD coated grade. Suitable for stainless steel and steel finish, semi-finish and rough grooving. It's the 1st choice for stainless steel turning, and good for steel turning as well. It has high thermal stability, wear resistance, and excellent thermal crack resistance. Enriched cobalt superfine grain substrate offers high hardness and good anti shock capability which reduces the edge chipping problem.

Supplemental grade

AP301U M20(M15-M35)

PVD coated grade. Suitable for steel, stainless steel and heat resistant alloy grooving. High strength and wear resistant submicron carbide substrate with nanostructured PVD coating. Good coating adhesion, high wear resistance.

N

Non-ferrous metal

Basic grade

AW100K N15 (N05-N25)

Uncoated ultra-fine grain substrate, specially treated cutting edge, suitable for aluminum alloy grooving.