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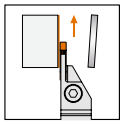
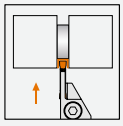
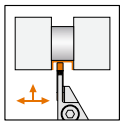
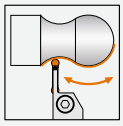
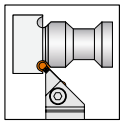
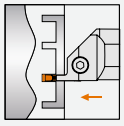
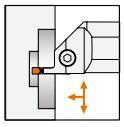
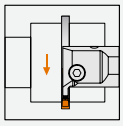
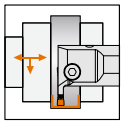
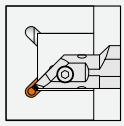
Grooving Tool Holder

CUTTING TOOL CATALOGUE

Grooving 187

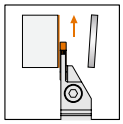
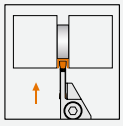
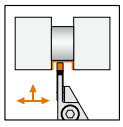
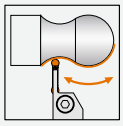
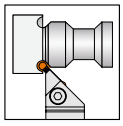
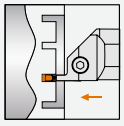
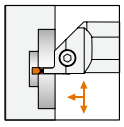
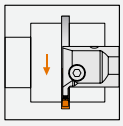
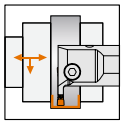
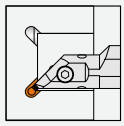
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Overview of Grooving Holders

Application \ Holder			External Grooving					
			ASGHR/L	S...ASGHL	ATGHR/L	ATSER/L	ATSER/L-J	ATSER/L-D
								
Page			P192	P193	P194	P196	P199	P200
External Grooving	Parting off					●	●	●
	Grooving		●	●	●	●	●	●
	Turning					●	●	●
	Profiling		●	●	●	●	●	●
	Undercutting							
Face Grooving	Grooving							
	Turning							
Internal Machining	Grooving							
	Turning							
	Undercutting							

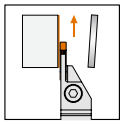
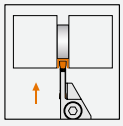
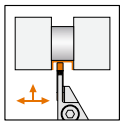
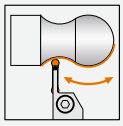
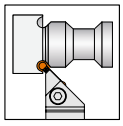
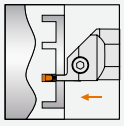
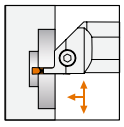
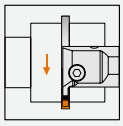
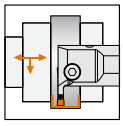
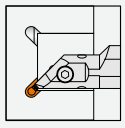
Marked: ● : Primary application ○ : Secondary application

Overview of Grooving Holders

Application \ Holder			External Grooving		Face Grooving			
			ATSER/L-SW	AGUER/L	ATSFR/L	ATSFR/L-OB	AGSFR/L	AGPFR/L
								
Page			P202	P203	P204	P207	P211	P212
External Grooving	Parting off		●					
	Grooving		●					●
	Turning		●					○
	Profiling		●					
	Undercutting			●				
Face Grooving	Grooving				●	●	●	●
	Turning				●	●	●	●
Internal Machining	Grooving							
	Turning							
	Undercutting							

Marked: ● : Primary application ○ : Secondary application

Overview of Grooving Holders

Application \ Holder			Face Grooving	Internal Machining				
			ATPFR/L	ATPIR/L	ATGIR/L	ATSIR/L	AGSIR/L	AGUIR/L
								
Page			P213	P215	P217	P218	P219	P220
External Grooving	Parting off							
	Grooving							
	Turning							
	Profiling							
	Undercutting							●
Face Grooving	Grooving		●			●	●	
	Turning		●			●	●	
Internal Machining	Grooving			●	●			
	Turning			●				
	Undercutting							●

Marked: ● : Primary application ○ : Secondary application

ASGH Grooving Holder Denomination System

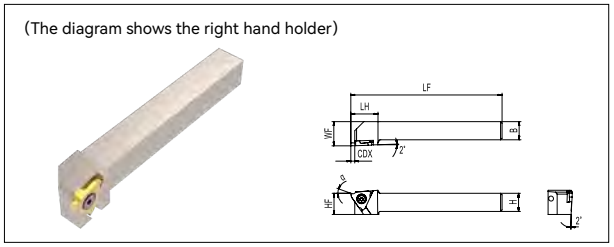
A	S	G	H	R	20	20	JX	-	32	F
1	2	3	4	5	6	7	8	-	9	10

1- Company Name	2- Matching Insert Type		3- Application		4- Holder Type		5- Hand of Tool	
ACHTECK	S	For swiss lathe	G	Grooving	H	Holder	L	Left
							R	Right

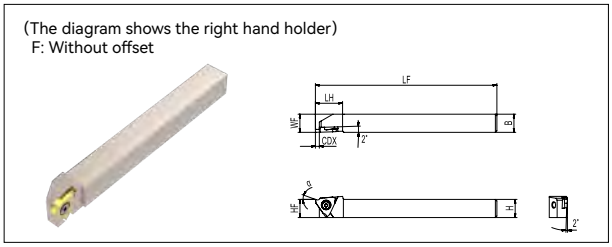
6- Holder Height	7- Holder Width	8- Holder Length	9- Matching Insert Size (IC)	10- Shape of Holder Head
20=20.0mm	20=20.0mm	JX=120mm	32=9.525mm	F: Without dimple

ASGHR/L External Shallow Grooving Holder for Swiss Lathe

(The diagram shows the right hand holder)



(The diagram shows the right hand holder)
F: Without offset



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		

Insert Application

Application	Grooving
Insert shape / Product code	
ASGHR**	ASG 32R
ASGHL**	ASG 32L
Reference page	P227

S...ASGH Sleeve Tool Holder Denomination System

S	20	JX	-	A	S	G	H	L	32
1	2	3	-	4	5	6	7	8	9

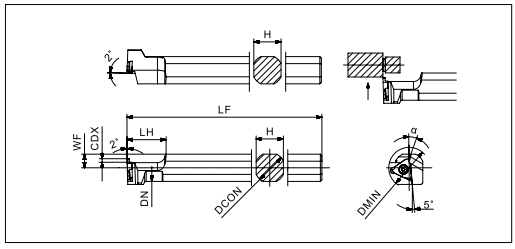
1- Holder Material	2- Holder Shank Diameter	3- Holder Length	4- Company Name
S=Steel	20=20mm	JX=120mm	ACHTECK

5- Matching Insert Type		6- Application		7- Holder Type		8- Hand of Tool	
S	Swiss	G	Grooving	H	Holder	L	Left

9- Matching Insert Size (IC)
32=9.525mm

S..ASGHL External Shallow Grooving Sleeve Holder for Swiss Lathe





Product code	Dimension (mm)					Spare parts	
	DCON	LF	WF	DN	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						
S19.0JX-ASGHL32	19.05	120		17.6			
S20JX-ASGHL32	20	120		18.6			
S22JX-ASGHL32	22	120					
S25JX-ASGHL32	25	120		23.6	32		
S25.0JX-ASGHL32	25.4	120	10	23.6			

Insert Application

Application	Grooving
Insert shape / Product code	
S....ASGHL**	ASG 32R
Reference page	P227

ATGH Tool Holder Denomination System

A	T	G	H	R	25	25	M	43	-	10	T25
1	2	3	4	5	6	7	8	9	-	10	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

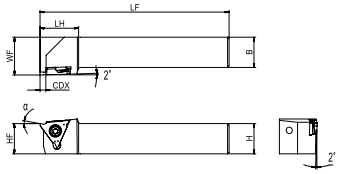
10- Matching Insert Minimun Width
10=1.0mm

11- Maximum CDX
T25=2.5mm

ATGHR/L External Shallow Grooving Holder

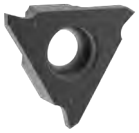


(The diagram shows the right hand holder)



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

Insert Application

Application	Grooving	Profiling
Insert shape / Product code		
ATGHR 32**	ATG 32R	ATG 32R
ATGHR 43**	ATG 43R	ATG 43R
ATGHL 32**	ATG 32L	ATG 32L
ATGHL 43**	ATG 43L	ATG 43L
Reference page	P228	P228

Grooving Holder Denomination System

A	G	U	E	R	25	25	-	4	T25	-	40	-	80	-	SW
1	2	3	4	5	7	8	-	9	10	-	11	-	12	-	13

	32
	6

1- Company Name

ACHTECK

2- Application

G	Grooving
T	Turning

3- Shape of Holder Head

S: Straight
U: Undercutting
P: Perpendicular

4- Machining Type

E: External
I: Internal
F: Facing

5- Hand of Tool

L	Left
R	Right

6- Holder Diameter

20=20.0mm
25=25.0mm
32=32.0mm

7- Holder Height

20=20.0mm
25=25.0mm
32=32.0mm

8- Holder Width

20=20.0mm
25=25.0mm
32=32.0mm

9- Insert Width

2=2.0mm
3=3.0mm
4=4.0mm

10- Maximum CDX

T25=25.0mm

11- Minimum Cutting Diameter

40=40.0mm

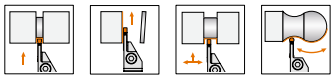
12- Maximum Cutting Diameter

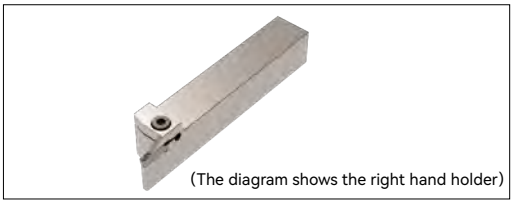
80=80.0mm

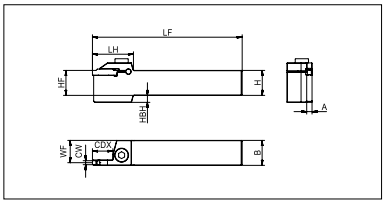
13- Special Code

SW: For swiss lathe
OB: Outside bulge holders
C: With internal coolant
D: Reinforced holders
J: High-pressure internal coolant

ATSER/L External Turning and Grooving Holder




(The diagram shows the right hand holder)



Product code		Dimension (mm)									Spare parts	
		H	B	HF	HBH	A	LF	LH	WF	CDX	Screw	Wrench
ATSER/L	**1616-2T08**	16	16	16	4	1.8	110	33	15.1	8	SH050160	LT-H4
	1616-2T12	16	16	16	4	1.8	110	32	15.1	12		
	1616-2T17	16	16	16	4	1.8	110	37	15.1	17		
	2020-2T08	20	20	20	0	1.8	125	33	19.1	8	SH050200	
	2020-2T12	20	20	20	0	1.8	125	32	19.1	12		
	2020-2T17	20	20	20	0	1.8	125	37	19.1	17		
	2525-2T08	25	25	25	0	1.8	150	33	24.1	8	SH050250	
	2525-2T12	25	25	25	0	1.8	150	32	24.1	12		
	2525-2T17	25	25	25	0	1.8	150	37	24.1	17		
	3232-2T08	32	32	32	0	1.8	170	37	31.1	8		
	3232-2T12	32	32	32	0	1.8	170	37	31.1	12		
	3232-2T17	32	32	32	0	1.8	170	37	31.1	17		
	1616-3T09	16	16	16	4	2.4	110	32	14.8	9	SH050160	
	1616-3T12	16	16	16	4	2.4	110	32	14.8	12		
	1616-3T16	16	16	16	4	2.4	110	35	14.8	16		
	1616-3T20	16	16	16	4	2.4	110	38.5	14.8	20		
	2020-3T09	20	20	20	0	2.4	125	32	18.8	9	SH050200	
	2020-3T12	20	20	20	0	2.4	125	32	18.8	12		
	2020-3T16	20	20	20	0	2.4	125	35	18.8	16		
	2020-3T20	20	20	20	0	2.4	125	38.5	18.8	20		
	2525-3T09	25	25	25	0	2.4	150	32	23.8	9	SH050250	
	2525-3T12	25	25	25	0	2.4	150	32	23.8	12		
	2525-3T16	25	25	25	0	2.4	150	35	23.8	16		
	2525-3T20	25	25	25	0	2.4	150	37.5	23.8	20		
	2525-3T25	25	25	25	0	2.4	150	44.5	23.8	25		
	3232-3T09	32	32	32	0	2.4	170	35	30.8	9		
	3232-3T12	32	32	32	0	2.4	170	35	30.8	12		
	3232-3T16	32	32	32	0	2.4	170	35	30.8	16		
	3232-3T20	32	32	32	0	2.4	170	42	30.8	20		
	3232-3T25	32	32	32	0	2.4	170	44.5	30.8	25		
	1616-4T10	16	16	16	4	3.35	110	32	14.3	10	SH060160	LT-H5
	1616-4T15	16	16	16	4	3.35	110	33	14.3	15		
	1616-4T25	16	16	16	4	3.35	110	45	14.3	25		
	2020-4T10	20	20	20	0	3.35	125	32	18.3	10	SH060200	
	2020-4T15	20	20	20	0	3.35	125	33	18.3	15		
	2020-4T20	20	20	20	0	3.35	125	40	18.3	20		
	2020-4T25	20	20	20	0	3.35	125	45	18.3	25		

ATSER/L External Turning and Grooving Holder

Product code		Dimension (mm)									Spare parts	
		H	B	HF	HBH	A	LF	LH	WF	CDX	Screw	Wrench
ATSER/L	**2525-4T10**	25	25	25	0	3.35	150	32	23.3	10	SH060250	LT-H5
	2525-4T15	25	25	25	0	3.35	150	33	23.3	15		
	2525-4T20	25	25	25	0	3.35	150	40	23.3	20		
	2525-4T25	25	25	25	0	3.35	150	45	23.3	25		
	3232-4T10	32	32	32	0	3.35	170	32	30.3	10		
	3232-4T15	32	32	32	0	3.35	170	33	30.3	15		
	3232-4T20	32	32	32	0	3.35	170	40	30.3	20		
	3232-4T25	32	32	32	0	3.35	170	45	30.3	25		
	2020-5T12	20	20	20	0	4.35	125	37	17.8	12	SH060200	
	2020-5T16	20	20	20	0	4.35	125	37	17.8	16		
	2020-5T20	20	20	20	0	4.35	125	37	17.8	20		
	2525-5T12	25	25	25	0	4.35	150	37	22.8	12	SH060250	
	2525-5T16	25	25	25	0	4.35	150	37	22.8	16		
	2525-5T20	25	25	25	0	4.35	150	37	22.8	20		
	2525-5T25	25	25	25	0	4.35	150	46	22.8	25		
	2525-5T32	25	25	25	0	4.35	150	54	22.8	32		
	3232-5T12	32	32	32	0	4.35	170	37	29.8	12		
	3232-5T16	32	32	32	0	4.35	170	38	29.8	16		
	3232-5T20	32	32	32	0	4.35	170	39	29.8	20		
	3232-5T25	32	32	32	0	4.35	170	46	29.8	25		
	3232-5T32	32	32	32	0	4.35	170	56	29.8	32		
	2020-6T12	20	20	20	0	5.35	125	37	17.3	12	SH080200	LT-H6
	2020-6T16	20	20	20	0	5.35	125	37	17.3	16		
	2020-6T20	20	20	20	0	5.35	125	41	17.3	20		
	2525-6T16	25	25	25	7	5.35	150	37	22.3	16	SH080250	
	2525-6T12	25	25	25	7	5.35	150	37	22.3	12		
	2525-6T20	25	25	25	7	5.35	150	41	22.3	20		
	2525-6T25	25	25	25	7	5.35	150	46	22.3	25		
	2525-6T32	25	25	25	7	5.35	150	56	22.3	32		
	3232-6T12	32	32	32	0	5.35	170	37	29.3	12		
	3232-6T16	32	32	32	0	5.35	170	37	29.3	16		
	3232-6T20	32	32	32	0	5.35	170	41	29.3	20		
	3232-6T25	32	32	32	0	5.35	170	46	29.3	25		
	3232-6T32	32	32	32	0	5.35	170	56.2	29.3	32		
	2525-8T16	25	25	25	7	6.2	150	47	21.9	16		
	2525-8T25	25	25	25	7	6.2	150	47	21.9	25		
	2525-8T36	25	25	25	7	6.2	150	60	21.9	36		
	3232-8T16	32	32	32	0	6.2	170	47	28.9	16		
	3232-8T25	32	32	32	0	6.2	170	47	28.9	25		
	3232-8T36	32	32	32	0	6.2	170	60	28.9	36		

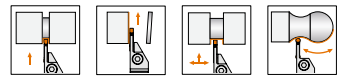
Insert Application

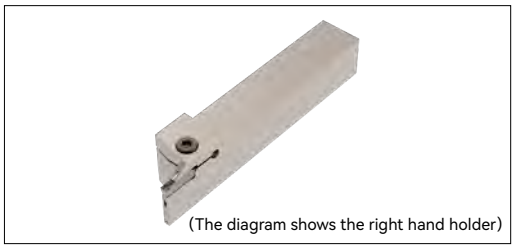
Application	Low feed rate	Low-Medium feed rate	Medium feed rate	Finishing	Low Cutting Force	Medium feed rate	Profiling
Insert shape / Product code	CS 	CM 	CH 	GS 	TS 	TM 	RM 
ATSER/L**	ACD 202 ACD 302	ACD/ACS 202 …… ACD/ACS 603	ACD/ACS 202 …… ACD/ACS 603	ATD 300E …… ATD 400E	ATD 203 …… ATD 808	ATD 304 …… ATD 812	ATD 210 …… ATD 840
Reference page	P230	P231	P232	P233	P234	P235	P236

Application	Low Cutting Force	Medium feed rate	Profiling	Ground Profiling	Ground Profiling	Ground
Insert shape / Product code	TSR 	TMR 	RMR 	RA 	RS 	G 
ATSER/L**	ATD 203 …… ATD 808	ATD 304 …… ATD 812	ATD 210 …… ATD 840	ATD 315 …… ATD 840	ATD 210 …… ATD 840	ATD 100E …… ATD 800E
Reference page	P234	P235	P236	P237	P237	P239

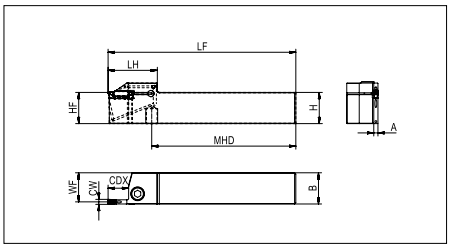
Inserts*: ACD/ACS series are only applicable to grooving and parting off machining.

ATSER/L-J External High-Pressure Turning and Grooving Holder with Internal Coolant





(The diagram shows the right hand holder)



Product code		Dimension (mm)										Spare parts	
		H	B	HF	HBH	A	LF	LH	WF	CDX	MHD	Screw	Wrench
ATSER/L	**2020-2T12-J**	20	20	20	0	1.8	125	37	19.1	12	73	SH050200	LT-H4
	2020-3T12-J	20	20	20	0	2.4	125	37	18.8	12	73		
	2020-4T10-J	20	20	20	0	3.35	125	37	18.3	10	73	SH060200	LT-H5
	2525-2T12-J	25	25	25	0	1.8	125	39	24.1	12	115.5	SH050250	LT-H4
	2525-3T12-J	25	25	25	0	2.4	150	39	23.8	12	115.5		
	2525-4T15-J	25	25	25	0	3.35	150	39	23.3	15	115.5	SH060250	LT-H5
	2525-5T20-J	25	25	25	0	4.35	150	45	22.8	20	111		
	2525-6T20-J	25	25	25	0	5.35	150	52	22.3	20	120.5	SH080250	LT-H6
	2525-8T25-J	25	25	25	0	6.2	150	58	21.9	25	115		

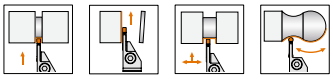
Insert Application

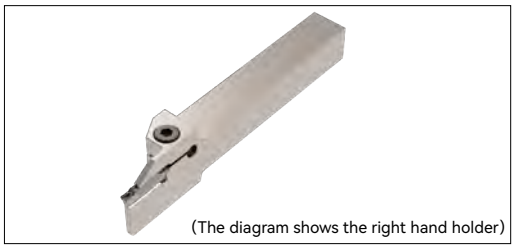
Application	Low feed rate	Low-Medium feed rate	Medium feed rate	Finishing	Low Cutting Force	Medium feed rate	Profiling
Insert shape / Product code	CS	CM	CH	GS	TS	TM	RM
							
ATSER/L-J**	ACD 202 ACD 302	ACD/ACS 202 ..... ACD/ACS 603	ACD/ACS 202 ..... ACD/ACS 603	ATD 300E ..... ATD 400E	ATD 203 ..... ATD 808	ATD 304 ..... ATD 812	ATD 210 ..... ATD 840
Reference page	P230	P231	P232	P233	P234	P235	P236

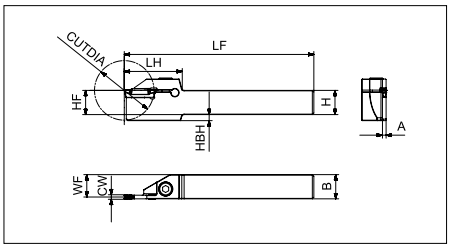
Application	Low Cutting Force	Medium feed rate	Profiling	Ground Profiling	Ground Profiling	Ground
Insert shape / Product code	TSR	TMR	RMR	RA	RS	G
						
ATSER/L-J**	ATD 203 ..... ATD 808	ATD 304 ..... ATD 812	ATD 210 ..... ATD 840	ATD 315 ..... ATD 840	ATD 210 ..... ATD 840	ATD 100E ..... ATD 800E
Reference page	P234	P235	P236	P237	P237	P239

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 (mm)									CUTDIA	Spare parts	
		H	B	HF	HBH	A	LF	LH	WF	CDX		Screw	Wrench
ATSER/L	**1010-2T15-D40**	10	10	10	6	1.8	125	32	9.1	15	40	SH050160	LT-H4
	1212-2T15-D40	12	12	12	4	1.8	125	32	11.1	15	40		
	1616-2T20-D45	16	16	16	4	1.8	125	38	15.1	20	45		
	2020-2T20-D45	20	20	20	0	1.8	125	38	19.1	20	45	SH050200	
	2525-2T20-D45	25	25	25	0	1.8	150	38	24.1	20	45	SH050250	
	1212-3T15-D40	12	12	12	4	2.4	125	32	10.8	15	40	SH050160	
	1616-3T20-D45	16	16	16	4	2.4	125	38	14.8	20	45	SH050200	
	2020-3T20-D45	20	20	20	0	2.4	125	38	18.8	20	45		
	2525-3T20-D45	25	25	25	0	2.4	150	38	23.8	20	45	SH050250	
	2525-3T25-D60	25	25	25	7	2.4	150	43	23.8	25	60		

Insert Application

Application	Low feed rate	Low-Medium feed rate	Medium feed rate	Finishing	Low Cutting Force	Medium feed rate	Profiling
Insert shape / Product code	CS	CM	CH	GS	TS	TM	RM
							
ATSER/L-D**	ACD 202 ACD 302	ACD/ACS 202 ..... ACD/ACS 603	ACD/ACS 202 ..... ACD/ACS 603	ATD 300E ..... ATD 400E	ATD 203 ..... ATD 808	ATD 304 ..... ATD 812	ATD 210 ..... ATD 840
Reference page	P230	P231	P232	P233	P234	P235	P236

Application	Low Cutting Force	Medium feed rate	Profiling	Ground Profiling	Ground Profiling	Ground
Insert shape / Product code	TSR	TMR	RMR	RA	RS	G
						
ATSER/L-D**	ATD 203 ..... ATD 808	ATD 304 ..... ATD 812	ATD 210 ..... ATD 840	ATD 315 ..... ATD 840	ATD 210 ..... ATD 840	ATD 100E ..... ATD 800E
Reference page	P234	P235	P236	P237	P237	P239

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

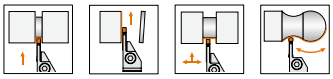
ATSER/L-D Reinforced External Turning and Grooving Holder

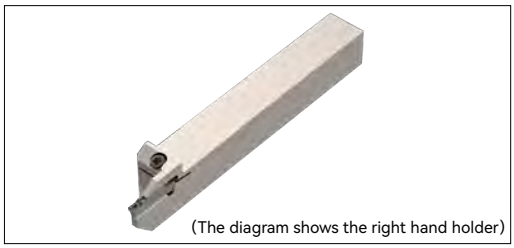
The max. cutting depth vs workpiece diameter

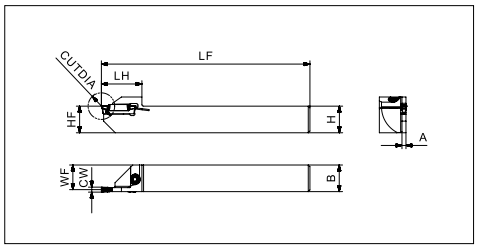
Product code		Workpiece diameter	CDX															
			≤ 8	9	10	11	12	13	14	15	17	18	19	20	21	22	23	24	25
ATSER/L	**1010-2T15-D40**	CUTDIA	∞	∞	∞	269	120	79	59	40	-	-	-	-	-	-	-	-	-
	1212-2T15-D40		∞	∞	∞	269	120	79	59	40	-	-	-	-	-	-	-	-	-
	1616-2T20-D45		∞	∞	∞	∞	∞	432	193	125	76	64	57	45	-	-	-	-	-
	2020-2T20-D45		∞	∞	∞	∞	∞	432	193	125	76	64	57	45	-	-	-	-	-
	2525-2T20-D45		∞	1468	339	193	136	106	87	75	60	56	52	45	-	-	-	-	-
	1212-3T15-D40		∞	∞	∞	269	120	79	59	40	-	-	-	-	-	-	-	-	-
	1616-3T20-D45		∞	∞	∞	∞	∞	432	193	125	76	64	57	45	-	-	-	-	-
	2020-3T20-D45		∞	∞	∞	∞	∞	432	193	125	76	64	57	45	-	-	-	-	-
	2525-3T20-D45		∞	1468	339	193	136	106	87	75	60	56	52	45	-	-	-	-	-
	2525-3T25-D60		∞	∞	∞	∞	∞	∞	∞	∞	418	237	167	130	107	91	81	73	60

“∞”: The diameter is infinite

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




(The diagram shows the right hand holder)



Product code		Dimension (mm)									Spare parts	
		H	B	HF	HBH	A	LF	LH	WF	CUTDIA	Screw	Wrench
ATSER/L	**1010-2D20-SW**	10	10	10	2	1.8	125	19	9.1	20	SP040125	LT-TP15
	1212-2D24-SW	12	12	12	2	1.8	125	19	11.1	24		
	1414-2D24-SW	14	14	14	0	1.8	125	19	13.1	24		
	1616-2D32-SW	16	16	16	0	1.8	125	24	15.1	32		
	1212-3D24-SW	12	12	12	2	2.4	125	19	10.8	24		
	1616-3D32-SW	16	16	16	0	2.4	125	24	14.8	32		
	1616-3D38-SW	16	16	16	0	2.4	125	27	14.8	38		
	2020-3D45-SW	20	20	20	0	2.4	125	30.5	18.8	45		

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

Insert Application

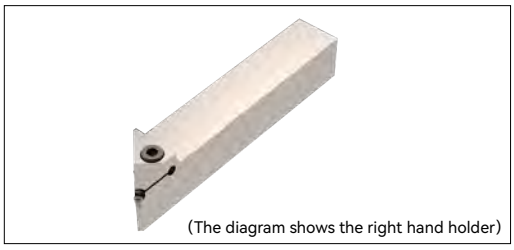
Application	Low feed rate	Low-Medium feed rate	Medium feed rate	Finishing	Low Cutting Force	Medium feed rate	Profiling
Insert shape / Product code	CS	CM	CH	GS	TS	TM	RM
							
ATSER/LSW**	ACD 202 ACD 302	ACD/ACS 302 ..... ACD/ACS 302	ACD/ACS 302 ..... ACD/ACS 302	ATD 300E ..... ATD 318E	ATD 203 ..... ATD 303	ATD 304	ATD 210 ..... ATD 315
Reference page	P230	P231	P232	P233	P234	P235	P236

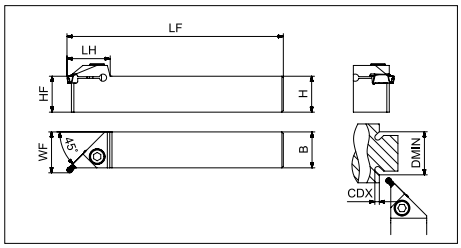
Application	Low Cutting Force	Medium feed rate	Profiling	Ground Profiling	Ground Profiling	Ground
Insert shape / Product code	TSR	TMR	RMR	RA	RS	G
						
ATSER/LSW**	ATD 203 ..... ATD 303	ATD 304	ATD 210 ..... ATD 315	ATD 315	ATD 210 ATD 315	ATD 100E ..... ATD 300E
Reference page	P234	P235	P236	P237	P237	P239

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

AGUER/L External Undercutting Holder





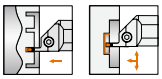


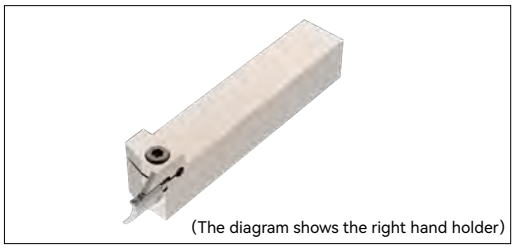
Product code		Insert width (mm)	Dimension (mm)								Spare parts	
			H	B	HF	LF	LH	WF	CDX	DMIN	Screw	Wrench
AGUER/L	**1616-3**	2，3	16	16	16	110	30.2	19.6	3	60	SH050160	LT-H4
	1616-4	4	16	16	16	110	30.2	19.8	3	55	SH060160	
	2020-3	2，3	20	20	20	125	30.2	23.6	3	60	SH050200	
	2020-4	4	20	20	20	125	30.2	23.8	3	55	SH060200	LT-H5
	2525-3	2，3	25	25	25	150	30.2	28.6	3	60	SH050250	
	2525-4	4	25	25	25	150	30.2	28.8	3	55	SH060250	
	2525-6	5，6	25	25	25	150	33.6	29.2	3.5	55		

Insert Application

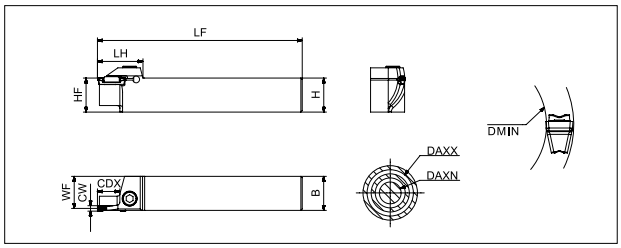
Application	Profiling	Ground Profiling	Ground Profiling	Ground	Profiling
Insert shape / Product code	RM	RA	RS	G	RMR
					
AGUER/L**	ATD 210 ..... ATD 630	ATD 315 ..... ATD 630	ATD 210 ..... ATD 630	ATD 100E ..... ATD 600E	ATD 210 ..... ATD 630
Reference page	P236	P237	P237	P239	P236

ATSFR/L Face Grooving and Turning Holder





(The diagram shows the right hand holder)



Product code		Dimension (mm)									Spare parts	
		H	B	HF	LF	LH	WF	CDX	DAXN	DAXX	Screw	Wrench
ATSFR/L	2020-3T10-35-45	20	20	20	140	32	18.95	10	35	45	SH050200	LT-H4
	2020-3T10-40-55	20	20	20	140	32	18.95	10	40	55		
	2020-3T10-50-85	20	20	20	140	32	18.95	10	50	85		
	2020-3T10-80-130	20	20	20	140	32	18.95	10	80	130		
	2020-3T10-125-250	20	20	20	140	32	18.95	10	125	250		
	2020-3T10-200-000	20	20	20	140	32	18.95	10	200	∞		
	2020-3T15-45-65	20	20	20	140	32	18.95	15	45	65		
	2020-3T15-55-85	20	20	20	140	32	18.95	15	55	85		
	2020-3T15-80-130	20	20	20	140	32	18.95	15	80	130		
	2020-3T15-125-250	20	20	20	140	32	18.95	15	125	250		
	2020-3T15-200-000	20	20	20	140	35	18.95	15	200	∞		
	2020-4T15-55-85	20	20	20	140	33	18.3	15	55	85	SH060200	LT-H5
	2020-4T15-80-130	20	20	20	140	33	18.3	15	80	130		
	2020-4T15-125-250	20	20	20	140	33	18.3	15	125	250		
	2525-3T10-35-45	25	25	25	150	32	23.95	10	35	45	SH050250	LT-H4
	2525-3T10-40-55	25	25	25	150	32	23.95	10	40	55		
	2525-3T10-50-85	25	25	25	150	32	23.95	10	50	85		
	2525-3T10-80-130	25	25	25	150	32	23.95	10	80	130		
	2525-3T10-125-250	25	25	25	150	32	23.95	10	125	250		
	2525-3T10-200-000	25	25	25	150	32	23.95	10	200	∞		
	2525-3T15-45-65	25	25	25	150	32	23.95	15	45	65		
	2525-3T15-55-85	25	25	25	150	32	23.95	15	55	85		
	2525-3T15-80-130	25	25	25	150	32	23.95	15	80	130		
	2525-3T15-125-250	25	25	25	150	32	23.95	15	125	250		
	2525-3T15-200-000	25	25	25	150	32	23.95	15	200	∞		
	2525-4T10-35-50	25	25	25	150	32	23.55	10	35	50		
	2525-4T10-45-65	25	25	25	150	32	23.55	10	45	65		
	2525-4T10-55-85	25	25	25	150	32	23.55	10	55	85		
	2525-4T10-80-130	25	25	25	150	32	23.55	10	80	130		
	2525-4T10-125-250	25	25	25	150	32	23.55	10	125	250		
	2525-4T15-35-50	25	25	25	150	33	23.55	15	35	50	SH060250	LT-H5
	2525-4T15-45-65	25	25	25	150	33	23.55	15	45	65		
	2525-4T15-55-85	25	25	25	150	33	23.55	15	55	85		
	2525-4T15-80-130	25	25	25	150	32	23.55	15	80	130		
	2525-4T15-125-250	25	25	25	150	32	23.55	15	125	250		
	2525-5T15-70-110	25	25	25	150	41	23.05	15	70	110	SH080250	LT-H6
	2525-5T15-100-150	25	25	25	150	37	22.8	15	100	150		
	2525-5T15-140-200	25	25	25	150	37	22.8	15	140	200		
	2525-5T15-190-000	25	25	25	150	37	22.8	15	190	∞		
	2525-5T20-50-80	25	25	25	150	41	23.05	20	50	80		
	2525-5T20-70-110	25	25	25	150	41	23.05	20	70	110		
	2525-5T20-100-150	25	25	25	150	41	23.05	20	100	150		
	2525-5T20-140-200	25	25	25	150	41	23.05	20	140	200		

ATSFR/L Face Grooving and Turning Holder

Product code		Dimension (mm)									Spare parts	
		H	B	HF	LF	LH	WF	CDX	DAXN	DAXX	Screw	Wrench
ATSFR/L	2525-5T20-190-000	25	25	25	150	40	23.05	20	190	∞	SH080250	LT-H6
	2525-6T12-50-85	25	25	25	150	37	22.3	12	50	85		
	2525-6T12-75-150	25	25	25	150	37	22.3	12	75	150		
	2525-6T12-140-250	25	25	25	150	37	22.3	12	140	250		
	2525-6T12-200-000	25	25	25	150	37	22.3	12	200	∞		
	2525-6T20-50-85	25	25	25	150	41	22.55	20	50	85		
	2525-6T20-75-150	25	25	25	150	41	22.55	20	75	150		
	2525-6T20-140-250	25	25	25	150	41	22.55	20	140	250		
	2525-6T20-200-000	25	25	25	150	41	22.55	20	200	∞		
	2525-8T25-75-150	25	25	25	150	49	21.9	25	75	150		
	2525-8T25-140-250	25	25	25	150	49	21.9	25	140	250		
	2525-8T25-200-000	25	25	25	150	49	21.9	25	200	∞		
	2525-8T25-80-115	25	25	25	150	49	21.9	25	80	115		
	3232-3T10-50-85	32	32	32	170	32	30.8	32	50	85	SH060250	LT-H5
	3232-3T10-80-130	32	32	32	170	32	30.8	32	80	130		
	3232-3T10-125-250	32	32	32	170	32	30.8	32	125	250		
	3232-3T10-200-000	32	32	32	170	32	30.8	32	200	∞		
	3232-3T15-80-130	32	32	32	170	35	30.8	32	80	130		
	3232-3T15-125-250	32	32	32	170	35	30.8	32	125	250		
	3232-3T15-200-000	32	32	32	170	35	30.8	32	200	∞		
	3232-4T10-35-50	32	32	32	170	32	30.5	32	35	50		
	3232-4T10-45-65	32	32	32	170	32	30.5	32	45	65		
	3232-4T10-55-85	32	32	32	170	32	30.5	32	55	85		
	3232-4T10-80-130	32	32	32	170	32	30.5	32	80	130		
	3232-4T10-125-250	32	32	32	170	32	30.5	32	125	250		
	3232-4T15-35-50	32	32	32	170	35	30.5	32	35	50		
	3232-4T15-45-65	32	32	32	170	35	30.5	32	45	65		
	3232-4T15-55-85	32	32	32	170	35	30.5	32	55	85		
	3232-4T15-80-130	32	32	32	170	35	30.5	32	80	130		
	3232-4T15-125-250	32	32	32	170	35	30.5	32	125	250		
	3232-5T15-50-80	32	32	32	170	37	30.05	32	50	80	SH080250	LT-H6
	3232-5T15-70-110	32	32	32	170	37	30.05	32	70	110		
	3232-5T15-100-150	32	32	32	170	37	30.05	32	100	150		
	3232-5T15-140-200	32	32	32	170	37	30.05	32	140	200		
	3232-5T15-190-000	32	32	32	170	37	30.05	32	190	∞		
	3232-5T20-50-80	32	32	32	170	39	30.05	32	50	80		
	3232-5T20-70-110	32	32	32	170	39	30.05	32	70	110		
	3232-5T20-100-150	32	32	32	170	39	30.05	32	100	150		
	3232-5T20-140-200	32	32	32	170	39	30.05	32	140	200		
	3232-5T20-190-000	32	32	32	170	39	30.05	32	190	∞		
	3232-6T12-50-85	32	32	32	170	37	29.55	32	50	85		
	3232-6T12-75-150	32	32	32	170	37	29.55	32	75	150		
	3232-6T12-140-250	32	32	32	170	37	29.55	32	140	250		
	3232-6T12-200-000	32	32	32	170	37	29.55	32	200	∞		
	3232-6T20-50-85	32	32	32	170	41	29.55	32	50	85		
	3232-6T20-75-150	32	32	32	170	41	29.55	32	75	150		
	3232-6T20-140-250	32	32	32	170	41	29.55	32	140	250		
	3232-6T20-200-000	32	32	32	170	41	29.55	32	200	∞		
	3232-8T25-75-150	32	32	32	170	47	28.9	32	75	150		
	3232-8T25-140-250	32	32	32	170	47	28.9	32	140	250		
	3232-8T25-200-000	32	32	32	170	47	28.9	32	200	∞		

ATSFR/L Face Grooving and Turning Holder

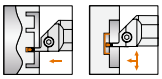
Insert Application

Application	Low-Medium feed rate	Medium feed rate	Finishing	Low Cutting Force	Medium feed rate	Profiling
Insert shape / Product code / Minimum machining diameter DMIN (mm)	CM	CH	GS	TS	TM	RM
						
ATSFR/L 3232/2525-3T	79	79	59	35	35	59
ATSFR/L 3232/2525-4T	42	42	42	35	35	42
ATSFR/L 3232/2525-5T	50	50	50	50	50	50
ATSFR/L 3232/2525-6T	50	50	50	50	50	50
ATSFR/L 3232/2525-8T	-	60	-	60	60	60
Reference page	P231	P232	P233	P234	P235	P236

Application	Low Cutting Force	Medium feed rate	Profiling	Ground Profiling	Ground Profiling	Ground
Insert shape / Product code / Minimum machining diameter DMIN (mm)	TSR	TMR	RMR	RA	RS	G
						
ATSFR/L 3232/2525-3T	79	79	79	59	79	59
ATSFR/L 3232/2525-4T	55	55	55	42	55	42
ATSFR/L 3232/2525-5T	60	60	60	50	60	50
ATSFR/L 3232/2525-6T	60	60	60	50	60	50
ATSFR/L 3232/2525-8T	60	60	60	60	60	60
Reference page	P234	P235	P236	P237	P237	P239

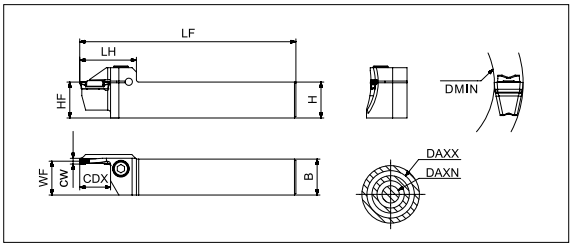
1. Inserts*: ACD/ACS series are only applicable to grooving
2. -: Indicates that the insert is not available
3. Having selected the range of tool holder, please check the minimum face grooving machining diameter of the selected insert

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





(The diagram shows the right hand holder)



Product code		Dimension (mm)									Spare parts	
		H	B	HF	LF	LH	WF	CDX	DAXN	DAXX	Screw	Wrench
ATSFR/L	2020-3T10-30-40-OB	20	20	20	140	31	18.95	10	30	40	SH060200	LT-H5
	2020-3T10-35-50-OB	20	20	20	140	31	18.95	10	35	50		
	2020-3T10-45-70-OB	20	20	20	140	31	18.95	10	45	70		
	2020-3T10-65-100-OB	20	20	20	140	31	18.95	10	65	100		
	2020-3T10-95-200-OB	20	20	20	140	31	18.95	10	95	200		
	2020-3T10-190-000-OB	20	20	20	140	31	18.95	10	190	∞		
	2020-3T15-45-70-OB	20	20	20	140	35	18.95	15	45	70		
	2020-3T15-65-100-OB	20	20	20	140	35	18.95	15	65	100		
	2020-4T10-20-30-OB	20	20	20	140	31	18.55	10	20	30		
	2020-4T10-25-35-OB	20	20	20	140	31	18.55	10	25	35		
	2020-4T10-30-45-OB	20	20	20	140	31	18.55	10	30	45		
	2020-4T10-35-50-OB	20	20	20	140	31	18.55	10	35	50		
	2020-4T10-45-70-OB	20	20	20	140	31	18.55	10	45	70		
	2020-4T10-65-120-OB	20	20	20	140	31	18.55	10	65	120		
	2020-4T10-115-200-OB	20	20	20	140	31	18.55	10	115	200		
	2020-4T16-30-45-OB	20	20	20	140	36	18.55	16	30	45		
	2020-4T16-35-50-OB	20	20	20	140	36	18.55	16	35	50		
	2020-4T16-45-70-OB	20	20	20	140	36	18.55	16	45	70		
	2020-4T16-65-120-OB	20	20	20	140	36	18.55	16	65	120		
	2020-4T16-115-200-OB	20	20	20	140	36	18.55	16	115	200		
	2525-3T10-35-50-OB	25	25	25	150	38	23.95	10	35	50	SH060250	LT-H5
	2525-3T10-45-70-OB	25	25	25	150	38	23.95	10	45	70		
	2525-3T10-65-100-OB	25	25	25	150	38	23.95	10	65	100		
	2525-3T10-95-200-OB	25	25	25	150	38	23.95	10	95	200		
	2525-3T10-190-000-OB	25	25	25	150	38	23.95	10	190	∞		
	2525-3T15-45-70-OB	25	25	25	150	38	23.95	15	45	70		
	2525-3T15-65-100-OB	25	25	25	150	38	23.95	15	65	100		
	2525-4T10-25-35-OB	25	25	25	150	39	23.55	10	25	35		
	2525-4T10-30-45-OB	25	25	25	150	39	23.55	10	30	45		
	2525-4T10-35-50-OB	25	25	25	150	39	23.55	10	35	50		
	2525-4T10-45-70-OB	25	25	25	150	39	23.55	10	45	70		
	2525-4T10-65-120-OB	25	25	25	150	39	23.55	10	65	120		
	2525-4T10-115-200-OB	25	25	25	150	39	23.55	10	115	200		
	2525-4T10-190-000-OB	25	25	25	150	39	23.55	10	190	∞		
	2525-4T20-30-45-OB	25	25	25	150	39	23.55	20	30	45		
	2525-4T20-35-50-OB	25	25	25	150	39	23.55	20	35	50		
	2525-4T20-45-70-OB	25	25	25	150	39	23.55	20	45	70		
	2525-4T20-65-125-OB	25	25	25	150	39	23.55	20	65	125		
	2525-4T20-115-200-OB	25	25	25	150	39	23.55	20	115	200		
	2525-4T20-190-000-OB	25	25	25	150	39	23.55	20	190	∞		

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

Product code		Dimension (mm)									Spare parts	
		H	B	HF	LF	LH	WF	CDX	DAXN	DAXX	Screw	Wrench
ATSFR/L	2525-5T15-50-80-OB	25	25	25	150	41	23.05	15	50	80	SH080250	LT-H6
	2525-5T15-70-110-OB	25	25	25	150	41	23.05	15	70	110		
	2525-5T15-100-150-OB	25	25	25	150	41	23.05	15	100	150		
	2525-5T15-140-200-OB	25	25	25	150	41	23.05	15	140	200		
	2525-5T15-190-000-OB	25	25	25	150	41	23	15	190	∞		
	2525-5T25-50-80-OB	25	25	25	150	49	23.05	25	50	80		
	2525-5T25-70-110-OB	25	25	25	150	49	23.05	25	70	110		
	2525-5T25-100-150-OB	25	25	25	150	49	23.05	25	100	150		
	2525-5T25-140-200-OB	25	25	25	150	49	23.05	25	140	200		
	2525-5T25-190-000-OB	25	25	25	150	49	23.05	25	190	∞		
	2525-6T15-50-70-OB	25	25	25	150	41	22.55	15	50	70		
	2525-6T15-60-100-OB	25	25	25	150	41	22.55	15	60	100		
	2525-6T15-90-180-OB	25	25	25	150	41	22.55	15	90	180		
	2525-6T15-170-400-OB	25	25	25	150	41	22.55	15	170	400		
	2525-6T15-390-000-OB	25	25	25	150	41	22.55	15	390	∞		
	2525-6T25-50-70-OB	25	25	25	150	49	22.55	25	50	70		
	2525-6T25-60-100-OB	25	25	25	150	49	22.55	25	60	100		
	2525-6T25-90-180-OB	25	25	25	150	49	22.55	25	90	180		
	2525-6T25-170-400-OB	25	25	25	150	49	22.55	25	170	400		
	2525-6T25-390-000-OB	25	25	25	150	49	22.55	25	390	∞		
	2525-8T25-60-100-OB	25	25	25	150	49	21.55	25	60	100		
	2525-8T25-90-180-OB	25	25	25	150	49	21.55	25	90	180		
	2525-8T25-170-400-OB	25	25	25	150	49	21.55	25	170	400		
	2525-8T25-390-000-OB	25	25	25	150	49	21.55	25	390	∞		
	3232-3T10-45-70-OB	32	32	38	170	38	30.95	10	45	70	SH060250	LT-H5
	3232-3T10-65-100-OB	32	32	38	170	38	30.95	10	65	100		
	3232-3T10-95-200-OB	32	32	38	170	38	30.95	10	95	200		
	3232-3T10-190-000-OB	32	32	38	170	38	30.95	10	190	∞		
	3232-3T15-45-70-OB	32	32	38	170	38	30.95	15	45	70		
	3232-3T15-65-100-OB	32	32	38	170	38	30.95	15	65	100		
	3232-3T15-95-200-OB	32	32	38	170	38	30.95	15	95	200		
	3232-3T15-190-000-OB	32	32	38	170	38	30.8	15	190	∞		
	3232-4T10-30-45-OB	32	32	38	170	39	30.55	10	30	45		
	3232-4T10-35-50-OB	32	32	38	170	39	30.55	10	35	50		
	3232-4T10-45-70-OB	32	32	38	170	39	30.55	10	45	70		
	3232-4T10-65-120-OB	32	32	38	170	39	30.55	10	65	120		
	3232-4T10-115-200-OB	32	32	38	170	39	30.55	10	115	200		
	3232-4T10-190-000-OB	32	32	38	170	39	30.5	10	190	∞		
	3232-4T20-30-45-OB	32	32	38	170	39	30.55	20	30	45		
	3232-4T20-35-50-OB	32	32	38	170	39	30.55	20	35	50		
	3232-4T20-45-70-OB	32	32	38	170	39	30.55	20	45	70		
	3232-4T20-65-120-OB	32	32	38	170	39	30.55	20	65	120		
	3232-4T20-115-200-OB	32	32	38	170	39	30.55	20	115	200		
	3232-4T20-190-000-OB	32	32	38	170	39	30.5	20	190	∞		

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

Product code		Dimension (mm)									Spare parts	
		H	B	HF	LF	LH	WF	CDX	DAXN	DAXX	Screw	Wrench
												
ATSFR/L	3232-5T15-50-80-OB	32	32	32	170	41	30.05	15	50	80	SH080250	LT-H6
	3232-5T15-70-110-OB	32	32	32	170	41	30.05	15	70	110		
	3232-5T15-100-150-OB	32	32	32	170	41	30.05	15	100	150		
	3232-5T15-140-200-OB	32	32	32	170	41	30.05	15	140	200		
	3232-5T15-190-000-OB	32	32	32	170	41	30.05	15	190	∞		
	3232-5T25-50-80-OB	32	32	32	170	49	30.05	25	50	80		
	3232-5T25-70-110-OB	32	32	32	170	49	30.05	25	70	110		
	3232-5T25-100-150-OB	32	32	32	170	49	30.05	25	100	150		
	3232-5T25-140-200-OB	32	32	32	170	49	30.05	25	140	200		
	3232-5T25-190-000-OB	32	32	32	170	49	30.05	25	190	∞		
	3232-6T15-50-70-OB	32	32	32	170	41	29.55	15	50	70		
	3232-6T15-60-100-OB	32	32	32	170	41	29.55	15	60	100		
	3232-6T15-90-180-OB	32	32	32	170	41	29.55	15	90	180		
	3232-6T15-170-400-OB	32	32	32	170	41	29.55	15	170	400		
	3232-6T15-390-000-OB	32	32	32	170	41	29.55	15	390	∞		
	3232-6T25-50-70-OB	32	32	32	170	49	29.55	25	50	70		
	3232-6T25-60-100-OB	32	32	32	170	49	29.55	25	60	100		
	3232-6T25-90-180-OB	32	32	32	170	49	29.55	25	90	180		
	3232-6T25-170-400-OB	32	32	32	170	49	29.55	25	170	400		
	3232-6T25-390-000-OB	32	32	32	170	49	29.5	25	390	∞		
	3232-8T25-60-100-OB	32	32	32	170	49	28.55	25	60	100		
	3232-8T25-90-180-OB	32	32	32	170	49	28.55	25	90	180		
	3232-8T25-170-400-OB	32	32	32	170	49	28.55	25	170	400		
	3232-8T25-390-000-OB	32	32	32	170	49	28.55	25	390	∞		

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

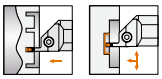
Insert Application

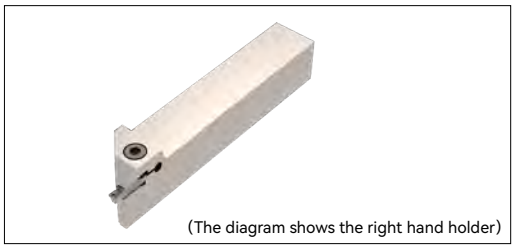
Application	Low-Medium feed rate	Medium feed rate	Finishing	Low Cutting Force	Medium feed rate	Profiling
Insert shape / Product code / Minimum machining diameter DMIN (mm)	CM	CH	GS	TS	TM	RM
						
ATSFR/L 2020-3T...OB	79	79	59	30	30	59
ATSFR/L 2020-4T...OB	42	42	42	22	22	42
ATSFR/L 2525/3232-3T...OB	79	79	59	35	35	59
ATSFR/L 2525/3232-4T...OB	42	42	42	25	25	42
ATSFR/L 2525/3232-5T...OB	50	50	50	50	50	50
ATSFR/L 2525/3232-6T...OB	50	50	50	50	50	50
ATSFR/L 2525/3232-8T...OB	-	60	-	60	60	60
Reference page	P231	P232	P233	P234	P235	P236

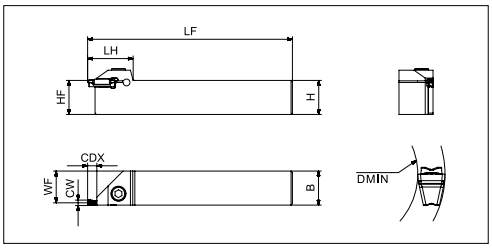
Application	Low Cutting Force	Medium feed rate	Profiling	Ground Profiling	Ground Profiling	Ground
Insert shape / Product code / Minimum machining diameter DMIN (mm)	TSR	TMR	RMR	RA	RS	G
						
ATSFR/L 2020-3T...OB	79	79	79	59	79	59
ATSFR/L 2020-4T...OB	55	55	55	42	55	42
ATSFR/L 2525/3232-3T...OB	79	79	79	59	79	59
ATSFR/L 2525/3232-4T...OB	55	55	55	42	55	42
ATSFR/L 2525/3232-5T...OB	60	60	60	50	60	50
ATSFR/L 2525/3232-6T...OB	60	60	60	50	60	50
ATSFR/L 2525/3232-8T...OB	60	60	60	60	60	60
Reference page	P234	P235	P236	P237	P237	P239

1. Inserts*: ACD/ACS series are only applicable to grooving
2. -: Indicates that the insert is not available
3. 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 width (mm)	Dimension (mm)							Spare parts	
			H	B	HF	LF	LH	WF	CDX	Screw	Wrench
AGSFR/L	**1616-4**	2, 3, 4	16	16	16	110	33	14.30	4.6	SH060160	LT-H5
	2020-4	2, 3, 4	20	20	20	125	33	18.30	4.6	SH060200	
	2020-6	5, 6	20	20	20	125	37	17.30	4.6		
	2525-4	2, 3, 4	25	25	25	150	33	23.30	4.6	SH060250	
	2525-6	5, 6	25	25	25	150	37	22.30	4.6		

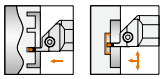
Insert Application

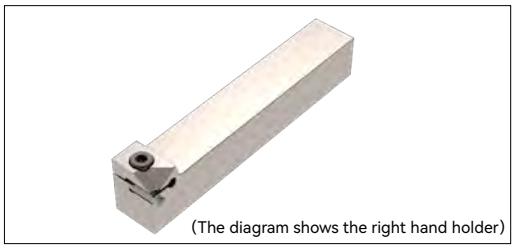
Application / Insert shape / Product code / Minimum machining diameter DMIN (mm)	Insert width (mm)	Low feed rate	Low-Medium feed rate	Medium feed rate	Finishing	Low Cutting Force	Medium feed rate	Profiling
		CS	CM	CH	GS	TS	TM	RM
AGSFR/L.....	2	196	196	196	100	196	-	196
	3	79	79	79	59	24	24	59
	4	-	42	42	42	22	22	42
	5	-	50	50	40	20	20	40
	6	-	48	48	38	18	18	38
Reference page		P230	P231	P232	P233	P234	P235	P236

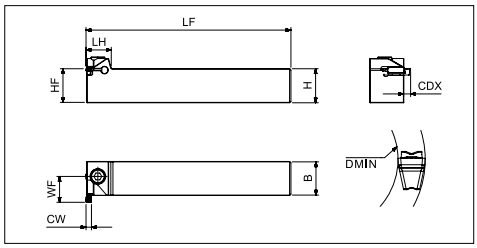
Application / Insert shape / Product code / Minimum machining diameter DMIN (mm)	Insert width (mm)	Low Cutting Force	Medium feed rate	Profiling	Ground Profiling	Ground Profiling	Ground
		TSR	TMR	RMR	RA	RS	G
AGSFR/L.....	2	300	-	300	-	300	100
	3	79	79	79	59	79	59
	4	55	55	55	42	55	42
	5	60	60	60	50	60	40
	6	60	60	60	50	60	38
Reference page		P234	P235	P236	P237	P237	P239

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

AGPFR/L Face Grooving and Turning Holder







Product code		Insert width (mm)	Dimension (mm)						Spare parts	
			H	B	HF	LF	LH	CDX	Screw	Wrench
AGPFR/L	2020-4	2, 3, 4	20	20	20	125	18	4.6	SH060200	LT-H5
	2525-4	2, 3, 4	25	25	25	150	18	4.6	SH060250	LT-H5
	2525-6	5, 6	25	25	25	150	22	4.6		

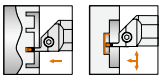
Insert Application

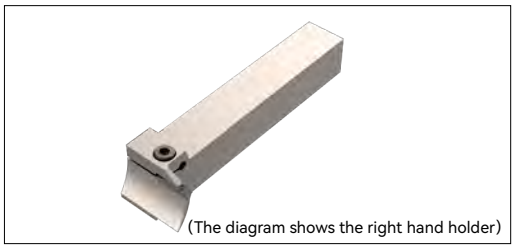
Application / Product code / Insert shape / Minimum machining diameter DMIN (mm)	Insert width (mm)	Low feed rate	Low-Medium feed rate	Medium feed rate	Finishing	Low Cutting Force	Medium feed rate	Profiling
		CS	CM	CH	GS	TS	TM	RM
AGPFR/L.....	2	196	196	196	100	196	-	196
	3	79	79	79	59	24	24	59
	4	-	42	42	42	22	22	42
	5	-	50	50	40	20	20	40
	6	-	48	48	38	18	18	38
Reference page		P230	P231	P232	P233	P234	P235	P236

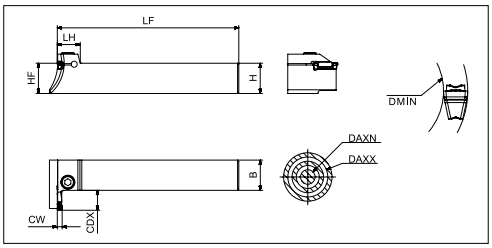
Application / Product code / Insert shape / Minimum machining diameter DMIN (mm)	Insert width (mm)	Low Cutting Force	Medium feed rate	Profiling	Ground Profiling	Ground Profiling	Ground
		TSR	TMR	RMR	RA	RS	G
AGPFR/L.....	2	300	-	300	-	300	100
	3	79	79	79	59	79	59
	4	55	55	55	42	55	42
	5	60	60	60	50	60	40
	6	60	60	60	50	60	38
Reference page		P234	P235	P236	P237	P237	P239

1. Inserts*: ACD/ACS series are only applicable to grooving
2. — : Indicates that the insert is not available
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 width (mm)	Dimension (mm)							Spare parts	
			H	B	LF	LH	CDX	DAXN	DAXX	Screw	Wrench
ATPFR/L	**2525-3T10-30-40**	3	25	25	150	18	10	30	40	SH050250	LT-H4
	2525-3T10-35-50	3	25	25	150	18	10	35	50		
	2525-3T15-45-60	3	25	25	150	18	15	45	60		
	2525-3T15-55-85	3	25	25	150	18	15	55	85		
	2525-4T12-25-40	4	25	25	150	18.5	12	25	40	SH060250	LT-H5
	2525-4T15-35-50	4	25	25	150	18.5	15	35	50		
	2525-4T15-45-60	4	25	25	150	18.5	15	45	60		
	2525-4T15-55-85	4	25	25	150	18.5	15	55	85		
	2525-5T20-50-80	5	25	25	150	22	20	50	80	SH080250	LT-H6
	2525-5T20-70-110	5	25	25	150	22	20	70	110		
	2525-5T20-100-150	5	25	25	150	22	20	100	150		
	2525-5T20-140-200	5	25	25	150	22	20	140	200		
	2525-5T20-190-000	5	25	25	150	22	20	190	∞		
	2525-6T20-50-85	6	25	25	150	22	20	50	85		
	2525-6T20-75-150	6	25	25	150	22	20	75	150		
	2525-6T20-140-250	6	25	25	150	22	20	140	250		
	2525-6T20-240-000	6	25	25	150	22	20	240	∞		

ATPFR/L Face Grooving and Turning Holder

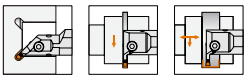
Insert Application

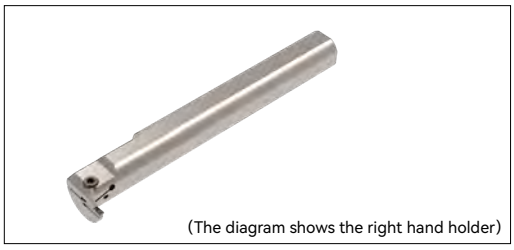
Application	Low-Medium feed rate	Medium feed rate	Finishing	Low Cutting Force	Medium feed rate	Profiling
Insert shape / Product code / Minimum machining diameter DMIN (mm)	CM 	CH 	GS 	TS 	TM 	RM 
ATPFR/L 2525-3T	79	79	59	35	35	59
ATPFR/L 2525-4T	42	42	42	35	35	42
ATPFR/L 2525-5T	50	50	50	50	50	50
ATPFR/L 2525-6T	50	50	50	50	50	50
Reference page	P231	P232	P233	P234	P235	P236

Application	Low Cutting Force	Medium feed rate	Profiling	Ground Profiling	Ground Profiling	Ground
Insert shape / Product code / Minimum machining diameter DMIN (mm)	TSR 	TMR 	RMR 	RA 	RS 	G 
ATPFR/L 2525-3T	79	79	79	59	79	59
ATPFR/L 2525-4T	55	55	55	42	55	42
ATPFR/L 2525-5T	60	60	60	50	60	50
ATPFR/L 2525-6T	60	60	38	50	60	50
Reference page	P234	P235	P236	P237	P237	P239

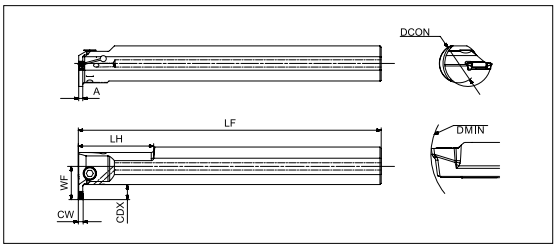
1. Inserts*: ACD/ACS series are only applicable to grooving
2. — : Indicates that the insert is not available
3. Having selected the range of tool holder, please check the minimum face grooving machining diameter of the selected insert

ATPIR/L Internal Turning, Grooving and Profiling Holder





(The diagram shows the right hand holder)



Product code		Dimension (mm)							Spare parts	
		DCON	LF	LH	WF	A	CDX	DMIN	Screw	Wrench
ATPIR/L	**20-2T6-25-C**	20	160	40	15.8	1.8	6	25	SH050120	LT-H4
	25-2T5-25-C	25	200	40.2	17.5	1.8	5	25	SH050160	
	32-2T5-30-C	32	250	40	19.8	1.8	5	30		
	20-3T6-25-C	20	160	40	15.8	2.4	6	25	SH050120	
	25-3T5-25-C	25	200	40.3	17.5	2.4	5	25	SH050160	
	25-3T8-32-C	25	200	40	21.5	2.4	8	32		
	32-3T5-30-C	32	250	60	19.8	2.4	5	30		
	32-3T10-40-C	32	200	60	27	2.4	10	40		
	40-3T12-50-C	40	300	65	33	2.4	12	50		
	20-4T6-25-C	20	160	40	15.8	3.35	6	25	SH050120	
	25-4T5-25-C	25	200	40.5	17.5	3.35	5	25	SH050160	
	25-4T8-32-C	25	200	40.4	21.5	3.35	8	32		
	32-4T5-30-C	32	250	60	20.8	3.35	5	30	SH060160	LT-H5
	32-4T10-40-C	32	250	60	27	3.35	10	40		
	40-4T12-50-C	40	300	65.4	33	3.35	12	50		
	50-4T14-60-C	50	350	70.4	40	3.35	14	60	SH060200	
	25-5T5-31-C	25	200	40.5	17.3	4.35	5	31	SH060160	
	32-5T5-31-C	32	250	60.5	20.8	4.35	5	31	SH060200	
	32-5T10-40-C	32	250	60	27	4.35	10	40		
	40-5T12-50-C	40	300	65.5	33	4.35	12	50	SH060250	
	50-5T14-60-C	50	350	70.5	40	4.35	14	60		
	32-6T5-31-C	32	250	60.5	20.8	5.35	5	31	SH060200	
	32-6T10-40-C	32	250	60.5	27	5.35	10	40		
	40-6T12-50-C	40	300	65.5	33	5.35	12	50	SH060250	
	50-6T14-60-C	50	350	70.5	40	5.35	14	60		
	32-8T6-38-C	32	250	60	21.3	7.35	6	38	SH060200	
	40-8T6-42-C	40	300	65	25.8	7.35	6	42	SH060250	

ATPIR/L Internal Turning, Grooving and Profiling Holder

Insert Application

Application	Low-Medium feed rate	Medium feed rate	Finishing	Low Cutting Force	Medium feed rate	Profiling
Product code / Minimum machining diameter DMIN (mm) / Insert shape	CM	CH	GS	TS	TM	RM
						
ATPIR/L **-2T	-	-	25	25	-	25
ATPIR/L **-3T	50	50	25	25	25	25
ATPIR/L **-4T	50	50	25	25	25	25
ATPIR/L **-5T	50	50	31	31	31	31
ATPIR/L **-6T	50	50	31	31	31	31
ATPIR/L **-8T	-	-	-	38	38	38
Reference page	P231	P232	P233	P234	P235	P236

Application	Low Cutting Force	Medium feed rate	Profiling	Ground Profiling	Ground Profiling	Ground
Product code / Minimum machining diameter DMIN (mm) / Insert shape	TSR	TMR	RMR	RA	RS	G
						
ATPIR/L **-2T	25	-	25	-	25	25
ATPIR/L **-3T	25	25	25	25	25	25
ATPIR/L **-4T	25	25	31	25	25	25
ATPIR/L **-5T	31	31	31	31	31	31
ATPIR/L **-6T	31	31	38	31	31	31
ATPIR/L **-8T	38	38	38	38	38	38
Reference page	P234	P235	P236	P237	P237	P239

1. Inserts*: ACD/ACS series are only applicable to grooving
2. — : Indicates that the insert is not available
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	T	G	I	R	25	S	43	-	40	T30
1	2	3	4	5	6	7	8	-	9	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=25.0mm 32=32.0mm

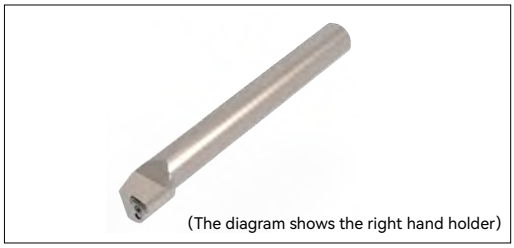
7- Holder Length
R:220mm S:250mm

8- Matching Insert Size (IC)
43=12.70mm

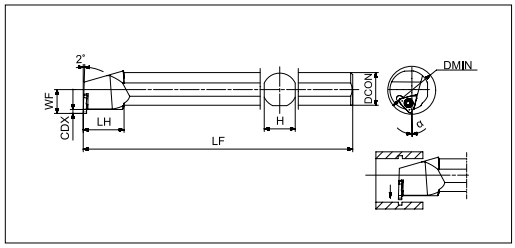
9- Minimum Internal Machining Diameter
40=40mm

10- Maximum CDX
T30=3.0mm

ATGIR/L Internal Shallow Grooving Holder



(The diagram shows the right hand holder)

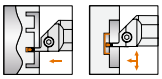


Product code		Dimension (mm)						Spare parts	
		DMIN	DCON	LF	LH	WF	CDX	Screw	Wrench
ATGIR/L	25R32-35T28	35	25	220	30	17.5	2.8	SP040085	FT-TP15
	32S43-40T30	40	32	250	30	23.0	3.0	SP05008550	FT-TP20

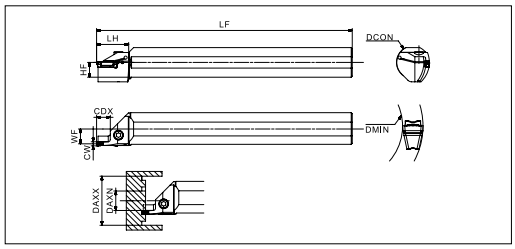
Insert Application

Application	Grooving	Profiling
Insert shape / Product code		
ATGIR 32	ATG 32L	ATG 32L
ATGIR 43	ATG 43L	ATG 43L
ATGIL 32	ATG 32R	ATG 32R
ATGIL 43	ATG 43R	ATG 43R
Reference page	P228	P228

ATSIR/L Internal Face Grooving and Turning Holder







Product code		Dimension (mm)							Spare parts	
		DCON	LF	LH	WF	CDX	DAXN	DAXX	Screw	Wrench
ATSIR/L	**25-3T12-35-45-C**	25	200	31	11.4	12	35	45	SH050160	LT-H4
	25-3T12-40-60-C	25	200	31	11.4	12	40	60		
	25-3T12-55-90-C	25	200	31	11.4	12	55	90		
	25-3T12-80-150-C	25	200	31	11.4	12	80	150		
	25-4T12-20-35-C	25	200	31	11	12	20	35		
	25-4T12-28-45-C	25	200	31	11	12	28	45		
	25-4T12-35-55-C	25	200	31	11	12	35	55		
	32-4T12-45-70-C	32	250	31	14.5	12	45	70		
	32-4T12-60-100-C	32	250	31	14.5	12	60	100		
	32-4T12-90-180-C	32	250	31	14.5	12	90	180		

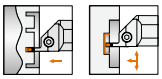
Insert Application

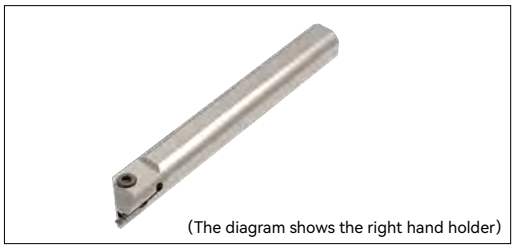
Application	Low-Medium feed rate	Medium feed rate	Finishing	Low Cutting Force	Medium feed rate	Profiling
Insert shape / Product code / Minimum machining diameter DMIN (mm)	CM	CH	GS	TS	TM	RM
						
ATSIR/L **3T	80	80	59	35	35	59
ATSIR/L **4T	42	42	42	22	22	42
Reference page	P231	P232	P233	P234	P235	P236

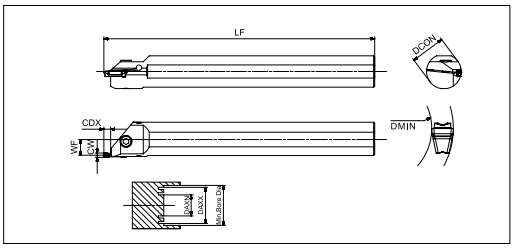
Application	Low Cutting Force	Medium feed rate	Profiling	Ground Profiling	Ground Profiling	Ground
Insert shape / Product code / Minimum machining diameter DMIN (mm)	TSR	TMR	RMR	RA	RS	G
						
ATSIR/L **3T	80	80	80	59	80	59
ATSIR/L **4T	55	55	55	42	55	42
Reference page	P234	P235	P236	P237	P237	P239

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

AGSIR/L Internal Face Grooving and Turning Holder







Product code		Insert width (mm)	Dimension (mm)					Spare parts	
			DCON	LF	LH	WF	CDX	Screw	Wrench
AGSIR/L	**25-4T5-C**	2, 3, 4	25	200	12.3	10.9	5.8	SH060160	LT-H5
	25-6T5-C	5, 6	25	200	12.3	10.3	5.8		
	32-4T5-C	2, 3, 4	32	250	15.8	14.5	5.8		
	32-6T5-C	5, 6	32	250	15.8	13.8	5.8		

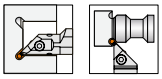
Insert Application

Application / Insert shape / Product code / Minimum machining diameter DMIN (mm)	Insert width (mm)	Low feed rate	Low-Medium feed rate	Medium feed rate	Finishing	Low Cutting Force	Medium feed rate	Profiling
		CS	CM	CH	GS	TS	TM	RM
AGSIR/L.....	2	196	196	196	100	196	-	196
	3	79	79	79	59	24	24	59
	4	-	42	42	42	22	22	42
	5	-	50	50	40	20	20	40
	6	-	48	48	38	18	18	38
Reference page		P230	P231	P232	P233	P234	P235	P236

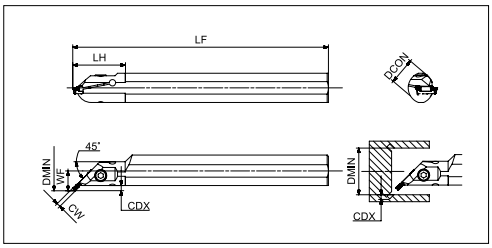
Application / Insert shape / Product code / Minimum machining diameter DMIN (mm)	Insert width (mm)	Low Cutting Force	Medium feed rate	Profiling	Ground Profiling	Ground Profiling	Ground
		TSR	TMR	RMR	RA	RS	G
AGSIR/L.....	2	300	-	300	-	300	100
	3	79	79	79	59	79	59
	4	55	55	55	42	55	42
	5	60	60	60	50	60	40
	6	60	60	60	50	60	38
Reference page		P234	P235	P236	P237	P237	P239

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

AGUIR/L Internal Undercutting Holder







Product code		Dimension (mm)						Spare parts	
		DCON	LF	LH	WF	CDX	DIMN	Screw	Wrench
AGUIR/L	**20-3T3-45**	20	160	40	12.3	3	45	SH050120	LT-H4
	20-4T3-45	20	160	40	12.3	3	45		
	25-3T3-45	25	200	40	14.4	3	45	SH050160	
	25-4T3-45	25	200	40	14.4	3	45		
	25-6T3-45	25	200	40	14.4	3	45	SH060160	LT-H5

Insert Application

Application	Profiling	Ground Profiling	Ground Profiling	Ground
Insert shape / Product code	RM 	RA 	RS 	G 
AGUER/L**	ATD 315 ..... ATD 630	ATD 315 ..... ATD 630	ATD 210 ..... ATD 630	ATD 300E ..... ATD 600E
Reference page	P236	P237	P237	P239