

TURNLINE TAC toolholders for external and internal turning

TURNINGA

**Extended version
with items for large
size inserts**

Higher indexing accuracy and clamping rigidity with a double clamping system



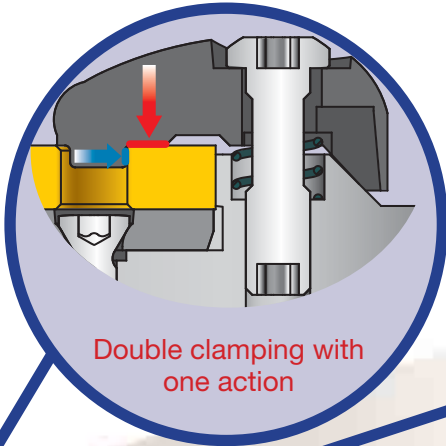
Highly rigid “Double-Clamp” system provides remarkable stability and high accuracy!

Features

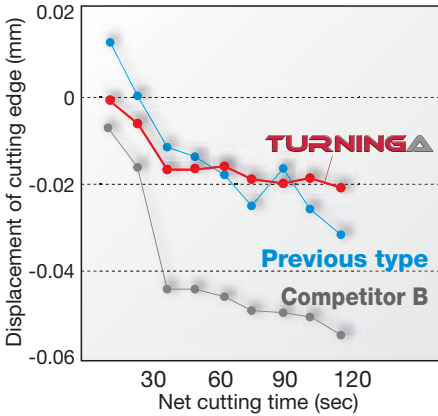
● Simple and strong double-clamp system

Provides strong clamping force with one screw

Only one screw and one action delivers double clamping force by simultaneously pushing down and pulling. This strong clamping force provides high stability for the cutting edge.

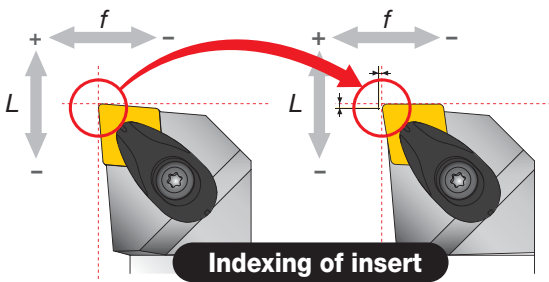


■ Comparison of cutting edge stability



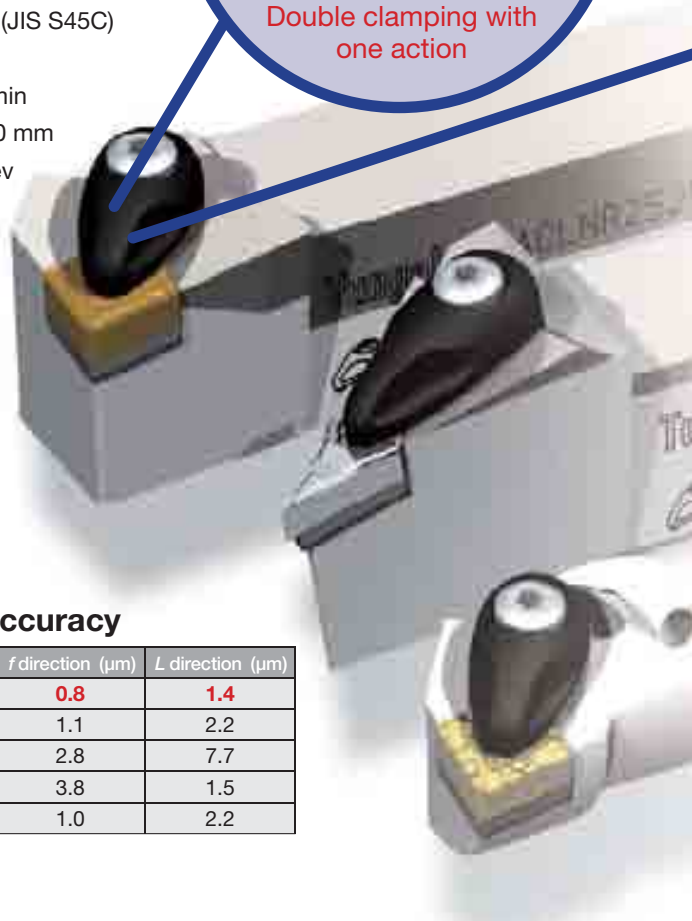
Toolholder : AVJNR2525M16-A
 Insert : VNMG160408-ZM
 Work material : Carbon steel (JIS S45C)
 Machining mode : Continuous
 Cutting speed : $V_c = 150$ m/min
 Depth of cut : $a_p = 1.0 \sim 2.0$ mm
 Feed : $f = 0.3$ mm/rev

Higher indexing accuracy



■ Indexing accuracy

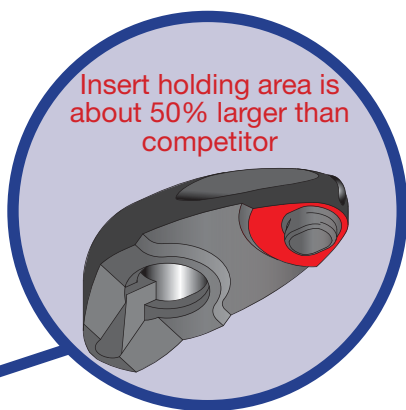
	f direction (μm)	L direction (μm)
TURNING	0.8	1.4
Previous type	1.1	2.2
Competitor A	2.8	7.7
Competitor B	3.8	1.5
Competitor C	1.0	2.2



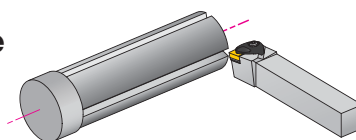
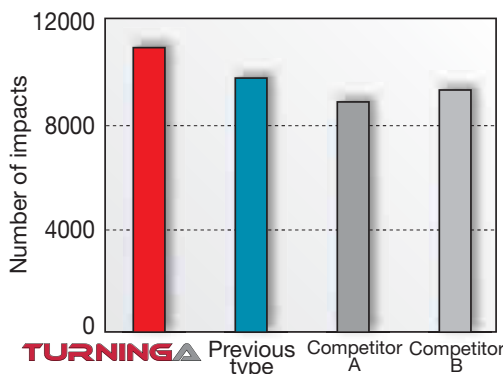


Unique clamp improves rigidity

Larger holding area enhances clamping force drastically. Higher rigidity provides excellent stability and reduces vibration.



Comparison of impact resistance

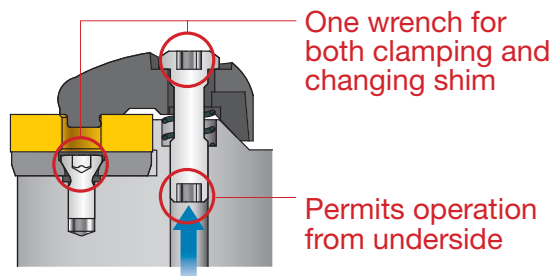


Toolholder : ACLNR2525M12-A
 Insert : CNMG120408-TM
 Grade : T9115
 Work material : Carbon steel (JIS S45C)
 Machining mode : Interrupted
 Cutting speed : $V_c = 200$ m/min
 Depth of cut : $a_p = 1.0 \sim 2.0$ mm
 Feed : $f = 0.3$ mm/rev

Easy handling and maintenance

Only one wrench required

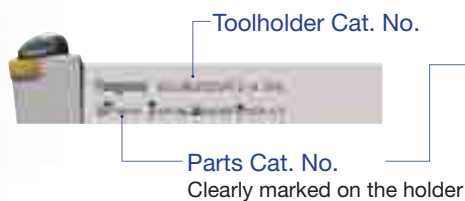
Only one wrench is required for the clamping screw and the shim screw. Easy maintenance!



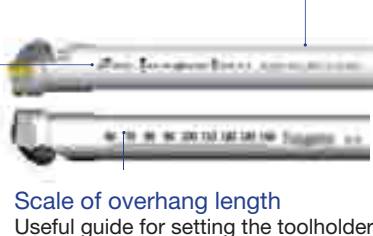
Marking

Parts Cat. No. are marked on the holder.

External-use toolholder



Internal-use toolholders

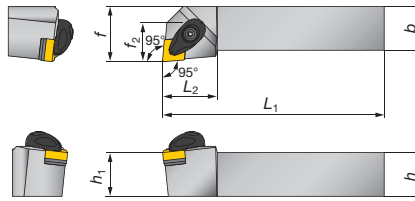
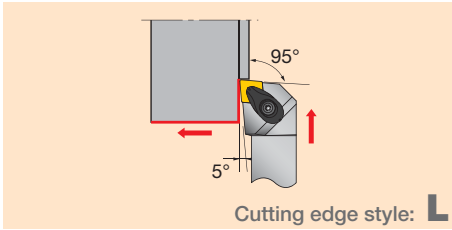


Toolholder Cat. No.
(Min. bore diameter is included in Cat. No.)

The last three digits indicate min. bore diameter.
(Example : -D320 indicates 32.0 mm)

Toolholders

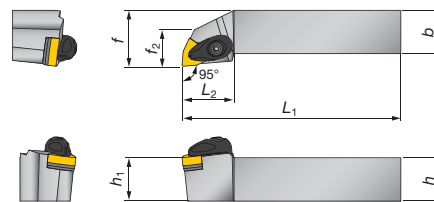
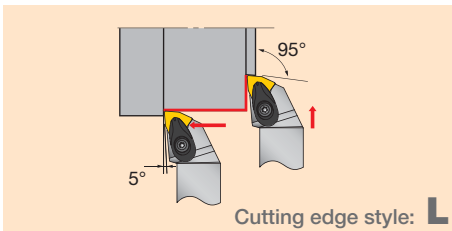
ACLN R/L External turning and facing A-type (Negative rake, clamp-on system)



Right hand (R) shown

Toolholder Cat. No	Stock		Dimensions (mm)							Std. corner radius r_E	Applicable inserts
	R	L	h	b	L_1	L_2	h_1	f	f_2		
ACLNR/L2020K12-A	●	●	20	20	125	26	20	25	19	0.8	CN□□1204□□
ACLNR/L2525M12-A	●	●	25	25	150	30	25	32	21		
ACLNR/L3225P12-A	●	●	32	25	170	30	32	32	21		
NEW ACLNR/L2525M16-A	●	●	25	25	150	31	25	32	22	1.2	CN□□1606□□
NEW ACLNR/L3225P16-A	●	●	32	25	170	31	32	32	22		
NEW ACLNR/L3232P16-A	●	●	32	32	170	31	32	40	22		
NEW ACLNR/L3232P19-A	●	●	32	32	170	40	32	40	25	1.2	CN□□1906□□
NEW ACLNR/L4040S19-A	●	●	40	40	250	40	40	50	25		

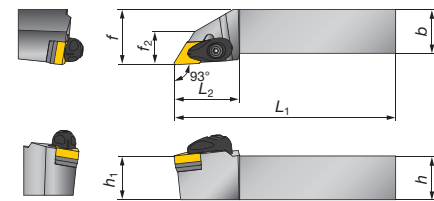
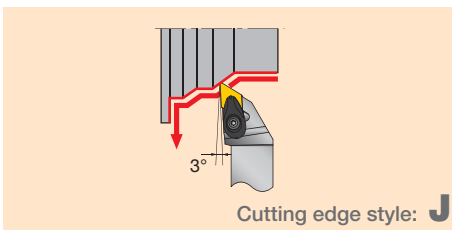
AWLN R/L External turning and facing A-type (Negative rake, clamp-on system)



Right hand (R) shown

Toolholder Cat. No	Stock		Dimensions (mm)							Std. corner radius r_E	Applicable inserts
	R	L	h	b	L_1	L_2	h_1	f	f_2		
AWLNR/L2020K06-A	●	●	20	20	125	27	20	25	16	0.8	WN□□0604□□
AWLNR/L2525M06-A	●	●	25	25	150	27	25	32	23		
AWLNR/L2020K08-A	●	●	20	20	125	30	20	25	19		
AWLNR/L2525M08-A	●	●	25	25	150	30	25	32	21	0.8	WN□□0804□□
AWLNR/L3225P08-A	●	●	32	25	170	30	32	32	21		

ADJN R/L External turning and profiling A-type (Negative rake, clamp-on system)

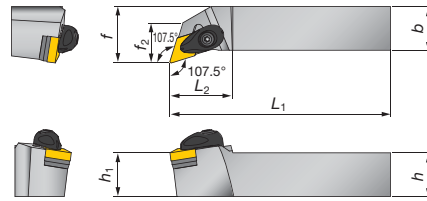
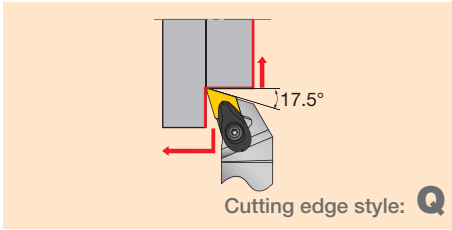


Right hand (R) shown

Toolholder Cat. No	Stock		Dimensions (mm)							Std. corner radius r_E	Applicable inserts
	R	L	h	b	L_1	L_2	h_1	f	f_2		
ADJNR/L2020K15-A	●	●	20	20	125	36	20	25	17	0.8	DN□□1504□□
ADJNR/L2525M15-A	●	●	25	25	150	36	25	32	18		
ADJNR/L3225P15-A	●	●	32	25	170	36	32	32	18		
ADJNR/L2020K1506-A	●	●	20	20	125	36	20	25	17	0.8	DN□□1506□□
ADJNR/L2525M1506-A	●	●	25	25	150	36	25	32	18		

● : Stocked items

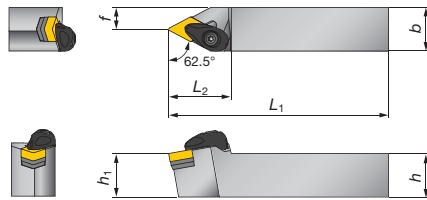
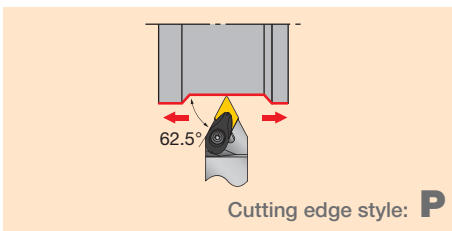
ADQN R/L External turning and profiling A-type (Negative rake, clamp-on system)



Right hand (R) shown

Toolholder Cat. No	Stock		Dimensions (mm)							Std. corner radius r_E	Applicable inserts
	R	L	h	b	L_1	L_2	h_1	f	f_2		
ADQNR/L2020K15-A	●	●	20	20	125	32	20	25	21	0.8	DN□□1504□□
ADQNR/L2525M15-A	●	●	25	25	150	36	25	32	23		
ADQNR/L2020K1506-A	●	●	20	20	125	32	20	25	21	0.8	DN□□1506□□
ADQNR/L2525M1506-A	●	●	25	25	150	36	25	32	23		

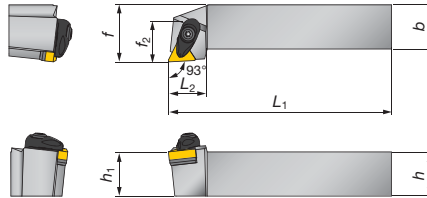
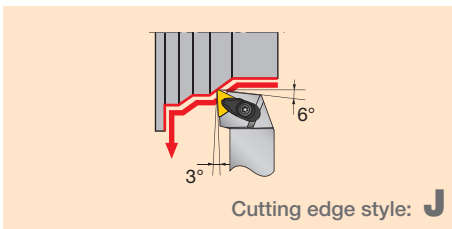
ADPN N External turning and profiling A-type (Negative rake, clamp-on system)



Right hand (R) shown

Toolholder Cat. No	Stock		Dimensions (mm)							Std. corner radius r_E	Applicable inserts
	R	L	h	b	L_1	L_2	h_1	f	f_2		
ADPNN2020K15-A	●		20	20	125	36	20	7.5	-	0.8	DN□□1504□□
ADPNN2525M15-A	●		25	25	150	36	25	12.5	-		

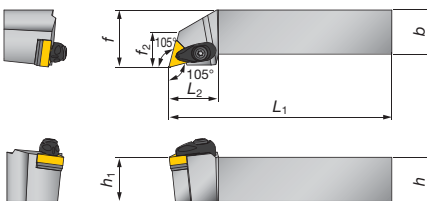
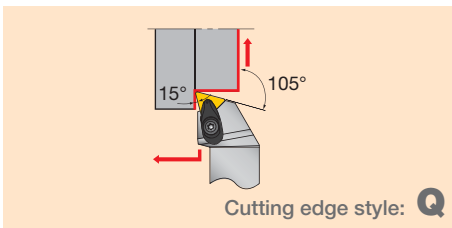
ATJN R/L External turning and profiling A-type (Negative rake, clamp-on system)



Right hand (R) shown

Toolholder Cat. No	Stock		Dimensions (mm)							Std. corner radius r_E	Applicable inserts
	R	L	h	b	L_1	L_2	h_1	f	f_2		
ATJNR/L2020K16-A	●	●	20	20	125	22	20	25	23	0.8	TN□□1604□□
ATJNR/L2525M16-A	●	●	25	25	150	22	25	32	25		

ATQN R/L External turning and profiling A-type (Negative rake, clamp-on system)

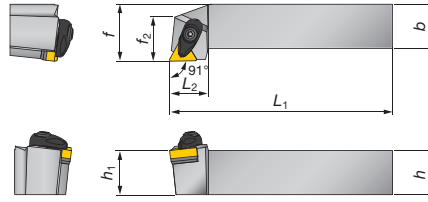
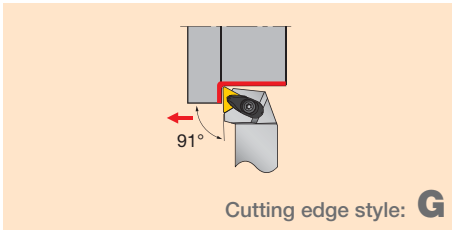


Right hand (R) shown

Toolholder Cat. No	Stock		Dimensions (mm)							Std. corner radius r_E	Applicable inserts
	R	L	h	b	L_1	L_2	h_1	f	f_2		
ATQNR/L2020K16-A	●	●	20	20	125	28	20	25	18	0.8	TN□□1604□□
ATQNR/L2525M16-A	●	●	25	25	150	28	25	32	20		

● : Stocked items

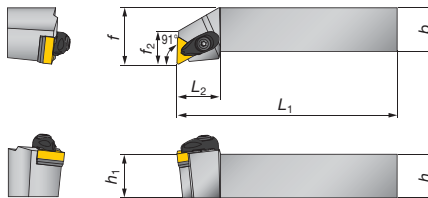
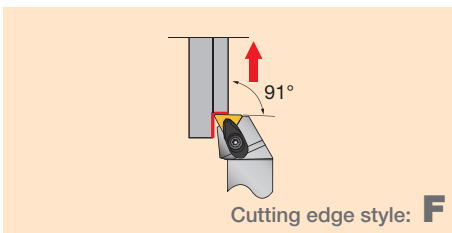
ATGN R/L External turning A-type (Negative rake, clamp-on system)



Right hand (R) shown

Toolholder Cat. No	Stock		Dimensions (mm)							Std. corner radius r_E	Applicable inserts
	R	L	h	b	L_1	L_2	h_1	f	f_2		
ATGNR/L2020K16-A	●	●	20	20	125	22	20	25	22	0.8	TN□□1604□□
ATGNR/L2525M16-A	●	●	25	25	150	22	25	32	25		
ATGNR/L2525M22-A	●	●	25	25	150	26	25	32	26	0.8	TN□□2204□□

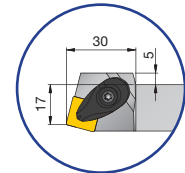
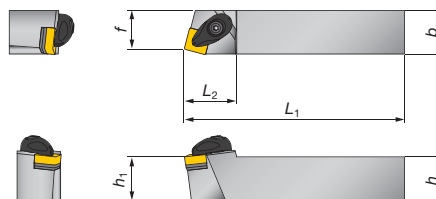
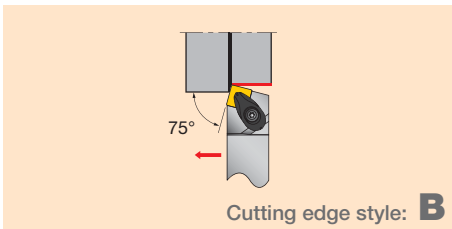
ATFN R/L Facing A-type (Negative rake, clamp-on system)



Right hand (R) shown

Toolholder Cat. No	Stock		Dimensions (mm)							Std. corner radius r_E	Applicable inserts
	R	L	h	b	L_1	L_2	h_1	f	f_2		
ATFNR/L2020K16-A	●	●	20	20	125	25	20	25	18	0.8	TN□□1604□□
ATFNR/L2525M16-A	●	●	25	25	150	25	25	32	19		
ATFNR/L2525M22-A	●	●	25	25	150	29	25	32	23	0.8	TN□□2204□□

ASBN R/L External turning A-type (Negative rake, clamp-on system)



□ Enlarged view of 2020 type
Right hand (R) shown

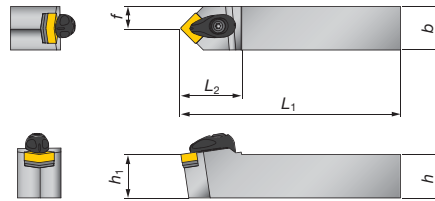
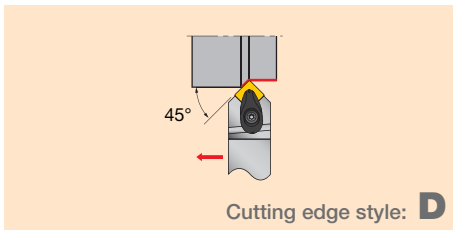
Toolholder Cat. No	Stock		Dimensions (mm)							Std. corner radius r_E	Applicable inserts
	R	L	h	b	L_1	L_2	h_1	f	f_2		
ASBNR/L2020K12-A	●	●	20	20	125	30	20	17	-	0.8	SN□□1204□□
ASBNR/L2525M12-A	●	●	25	25	150	30	25	22	-		
NEW ASBNR/L2525M15-A	●	●	25	25	150	42.5	25	22	-	1.2	SN□□1506□□
NEW ASBNR/L3232P15-A	●	●	32	32	170	42.5	32	27	-		
NEW ASBNR/L3232P19-A	●	●	32	32	170	47.5	32	27	-	1.2	SN□□1906□□
NEW ASBNR/L4040S19-A	●	●	40	40	250	47.5	40	35	-		

● : Stocked items

ASDN N

External chamfering

A-type (Negative rake, clamp-on system)



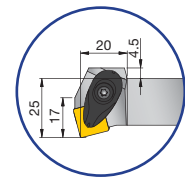
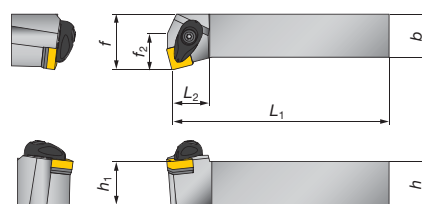
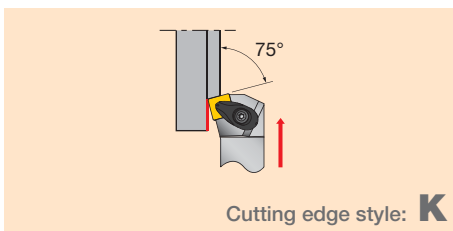
Right hand (R) shown

Toolholder Cat. No	Stock		Dimensions (mm)							Std. corner radius r_E	Applicable inserts
			h	b	L_1	L_2	h_1	f	f_2		
ASDNN2020K12-A	●	●	20	20	125	35	20	10	-	0.8	SN□□1204□□
ASDNN2525M12-A	●	●	25	25	150	35	25	12.5	-		

ASKN R/L

Facing

A-type (Negative rake, clamp-on system)



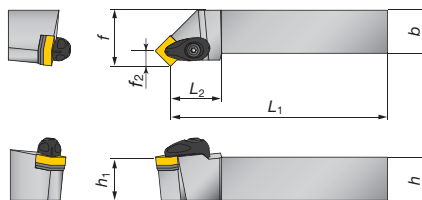
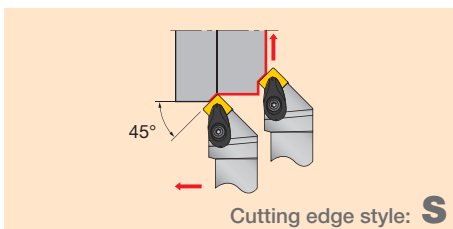
□ Enlarged view of 2020 type
Right hand (R) shown

Toolholder Cat. No	Stock		Dimensions (mm)							Std. corner radius r_E	Applicable inserts
	R	L	h	b	L_1	L_2	h_1	f	f_2		
ASKNR/L2020K12-A	●	●	20	20	125	20	20	25	17	0.8	SN□□1204□□
ASKNR/L2525M12-A	●	●	25	25	150	22	25	32	21		

ASSN R/L

External chamfering

A-type (Negative rake, clamp-on system)

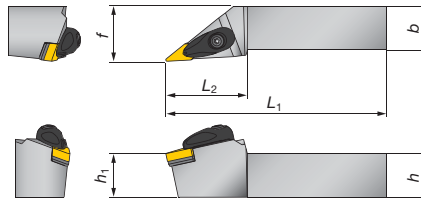
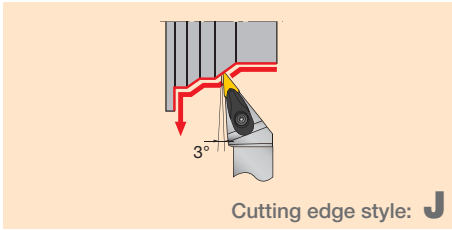


Right hand (R) shown

Toolholder Cat. No	Stock		Dimensions (mm)							Std. corner radius r_E	Applicable inserts
	R	L	h	b	L_1	L_2	h_1	f	f_2		
ASSNR/L2020K12-A	●	●	20	20	125	30	20	25	8.3	0.8	SN□□1204□□
ASSNR/L2525M12-A	●	●	25	25	150	30	25	32			
NEW ASSNR/L2525M15-A	●	●	25	25	150	25	25	32	10.3	1.2	SN□□1506□□
NEW ASSNR/L3232P15-A	●	●	32	32	170	25	32	40			
NEW ASSNR/L3232P19-A	●	●	32	32	170	27.5	32	40	12.5	1.2	SN□□1906□□
NEW ASSNR/L4040S19-A	●	●	40	40	250	27.5	40	50			

● : Stocked items

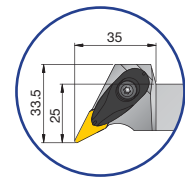
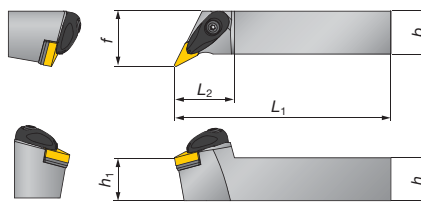
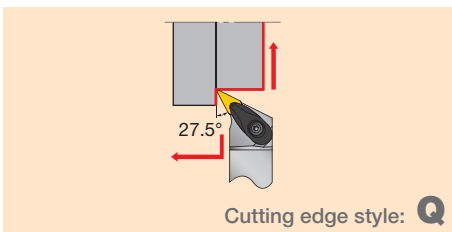
AVJN R/L External turning and profiling A-type (Negative rake, clamp-on system)



Right hand (R) shown

Toolholder Cat. No	Stock		Dimensions (mm)							Std. corner radius r_E	Applicable inserts
	R	L	h	b	L_1	L_2	h_1	f	f_2		
AVJNR/L2020K16-A	●	●	20	20	125	43	20	25	-	0.8	VN□□1604□□ YN□□1604□□
AVJNR/L2525M16-A	●	●	25	25	150	46	25	32	-		

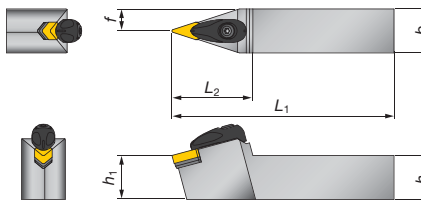
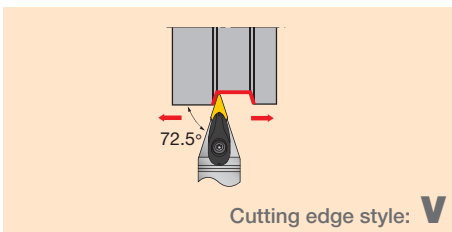
AVQN R/L External turning and profiling A-type (Negative rake, clamp-on system)



□ Enlarged view of 2020 type
Right hand (R) shown

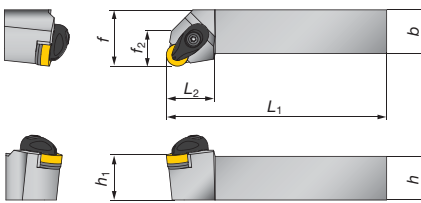
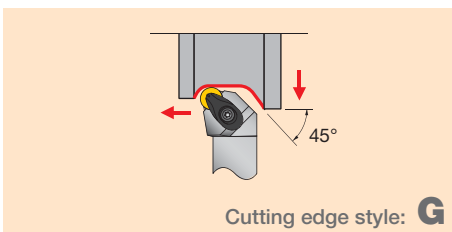
Toolholder Cat. No	Stock		Dimensions (mm)							Std. corner radius r_E	Applicable inserts
	R	L	h	b	L_1	L_2	h_1	f	f_2		
AVQNR/L2020K16-A	●	●	20	20	125	35	20	25	-	0.8	VN□□1604□□ YN□□1604□□
AVQNR/L2525M16-A	●	●	25	25	150	35	25	32	-		

AVVN N External turning and profiling A-type (Negative rake, clamp-on system)



Toolholder Cat. No	Stock		Dimensions (mm)							Std. corner radius r_E	Applicable inserts
	R	L	h	b	L_1	L_2	h_1	f	f_2		
AVVNN2020K16-A	●		20	20	125	46	20	10	-	0.8	VN□□1604□□ YN□□1604□□
AVVNN2525M16-A	●		25	25	150	46	25	12.5	-		

ARGN R/L External profiling A-type (Negative rake, clamp-on system)

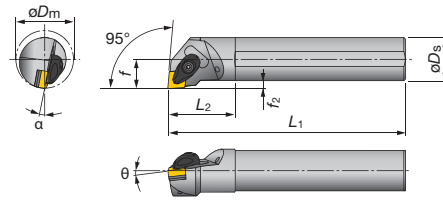
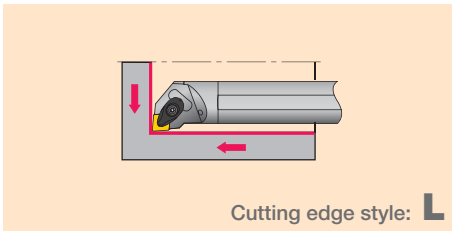


Right hand (R) shown

Toolholder Cat. No	Stock		Dimensions (mm)							Std. corner radius r_E	Applicable inserts
	R	L	h	b	L_1	L_2	h_1	f	f_2		
ARGNR/L2525M12-A	●	●	25	25	150	28	25	32	20	6.35	RN□□120400

● : Stocked items

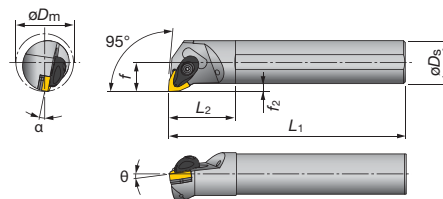
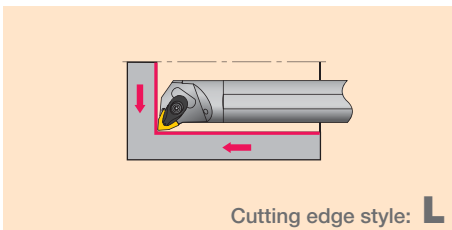
A□□□-ACLN R/L Boring and internal facing A-type (Negative rake, clamp-on system)



Right hand (R) shown

Toolholder Cat. No.	Stock		Min. bore dia. ϕD_m	Dimensions (mm)								Std. corner radius r_E	Applicable inserts
	R	L		ϕD_s	f	L_1	L_2	h	f_2	a	θ		
A25R-ACLN R/L12-D320	●	●	32	25	17	200	45	23	4.5	-13°	-6°	0.8	CN□□1204□□
A32S-ACLN R/L12-D400	●	●	40	32	22	250	50	30	6	-10°			
A40T-ACLN R/L12-D500	●	●	50	40	27	300	55	37	7	-8°			
A50U-ACLN R/L12-D630	●	●	63	50	35	350	65	47	10	-7°			

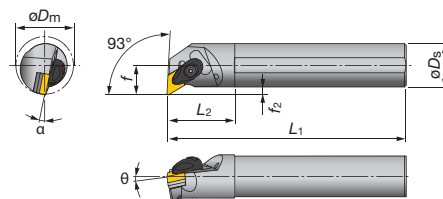
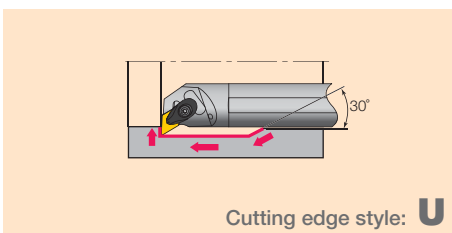
A□□□-AWLN R/L Boring and internal facing A-type (Negative rake, clamp-on system)



Right hand (R) shown

Toolholder Cat. No.	Stock		Min. bore dia. ϕD_m	Dimensions (mm)								Std. corner radius r_E	Applicable inserts
	R	L		ϕD_s	f	L_1	L_2	h	f_2	a	θ		
A25R-AWLN R/L06-D320	●	●	32	25	17	200	45	23	4.5	-13°	-6°	0.8	WN□□0604□□
A32S-AWLN R/L06-D400	●	●	40	32	22	250	50	30	6	-10°			
A25R-AWLN R/L08-D320	●	●	32	25	17	200	45	23	4.5	-13°			
A32S-AWLN R/L08-D400	●	●	40	32	22	250	50	30	6	-10°			
A40T-AWLN R/L08-D500	●	●	50	40	27	300	55	37	7	-8°	-6°	0.8	WN□□0804□□
A50U-AWLN R/L08-D630	●	●	63	50	35	350	65	47	10	-7°			

A□□□-ADUN R/L Boring and internal profiling A-type (Negative rake, clamp-on system)

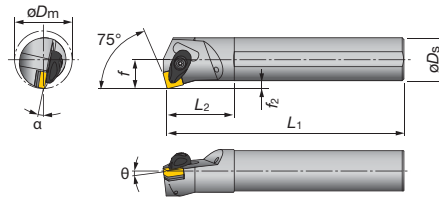
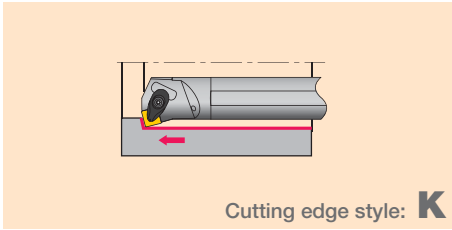


Right hand (R) shown

Toolholder Cat. No.	Stock		Min. bore dia. ϕD_m	Dimensions (mm)								Std. corner radius r_E	Applicable inserts
	R	L		ϕD_s	f	L_1	L_2	h	f_2	a	θ		
A25R-ADUN R/L15-D320	●	●	32	25	17	200	45	23	4.5	-13°	-6°	0.8	DN□□1504□□
A32S-ADUN R/L15-D400	●	●	40	32	22	250	50	30	6	-11°			
A40T-ADUN R/L15-D500	●	●	50	40	27	300	55	37	7	-8°			
A50U-ADUN R/L15-D630	●	●	63	50	35	350	65	47	10	-7°			
A25R-ADUN R/L1506-D320	●	●	32	25	17	200	45	23	4.5	-13°	-6°	0.8	DN□□1506□□
A32S-ADUN R/L1506-D400	●	●	40	32	22	250	50	30	6	-11°			

● : Stocked items

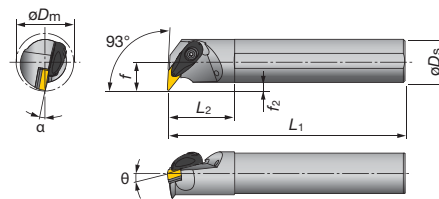
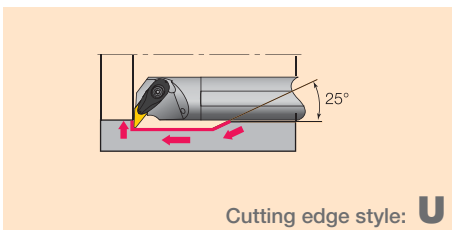
A□□□-ASKN R/L Through boring A-type (Negative rake, clamp-on system)



Right hand (R) shown

Toolholder Cat. No.	Stock		Min. bore dia. αD_m	Dimensions (mm)							Std. corner radius r_ϵ	Applicable inserts	
	R	L		αD_s	f	L_1	L_2	h	f_2	α			θ
A25R-ASKNR/L12-D320	●	●	32	25	17	200	45	23	4.5	-13°	-6°	0.8	SN□□1204□□
A32S-ASKNR/L12-D400	●	●	40	32	22	250	50	30	6	-10°			

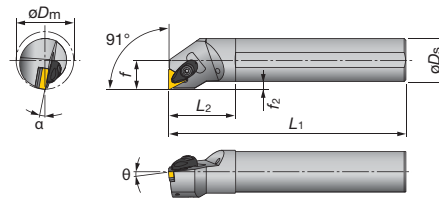
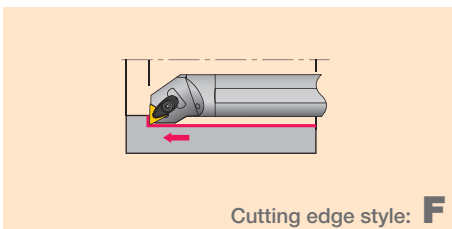
A□□□-AVUN R/L Internal profiling A-type (Negative rake, clamp-on system)



Right hand (R) shown

Toolholder Cat. No.	Stock		Min. bore dia. αD_m	Dimensions (mm)							Std. corner radius r_ϵ	Applicable inserts	
	R	L		αD_s	f	L_1	L_2	h	f_2	α			θ
A32S-AVUNR/L16-D400	●	●	40	32	22	250	50	30	6	-10°	-6°	0.8	VN□□1604□□ YN□□1604□□
A40T-AVUNR/L16-D500	●	●	50	40	27	300	55	37	7	-8°			

A□□□-ATFN R/L Stop boring A-type (Negative rake, clamp-on system)










Right hand (R) shown

Toolholder Cat. No.	Stock		Min. bore dia. αD_m	Dimensions (mm)							Std. corner radius r_ϵ	Applicable inserts	
	R	L		αD_s	f	L_1	L_2	h	f_2	α			θ
A25R-ATFNR/L16-D320	●	●	32	25	17	200	45	23	4.5	-13°	-6°	0.8	TN□□1604□□
A32S-ATFNR/L16-D400	●	●	40	32	22	250	50	30	6	-10°			

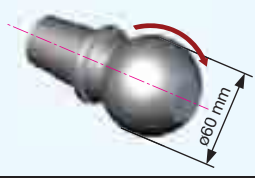
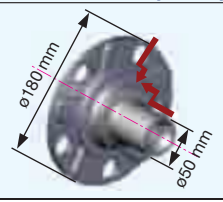
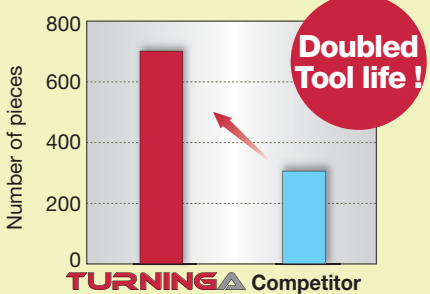
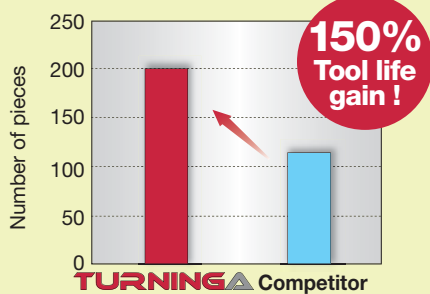
● : Stocked items

Replacement parts

Toolholder Cat. No.	Applicable inserts	Clamp	Clamp screw	Spring	Spring pin	Shim	Shim screw	Wrench	Recommended clamping torque (N·m)
									
ACLNR/L (External-Internal)	CN□□1204□□	ACP4S		BP-7		ASC422	CSTB-3.5	T-15F	4.0
	CN□□1606□□	ACP5S	ACS-5W		SP-2.5	ASC533	CSTB-5	KEYV-T20	6.4
	CN□□1906□□	ACP6S		BP-8.8		ASC634			
ADJNR/L	DN□□1504□□	ACP4S	ACS-5W	BP-7	SP-2.5	ASD432	CSTB-3.5	T-15F	4.0
ADPNN									
ADQNR/L									
ADUNR/L (Internal)									
ADJNR/L	DN□□1506□□	ACP4S	ACS-5W	BP-7	SP-2.5	ASD423	CSTB-3.5	T-15F	4.0
ADQNR/L									
ADUNR/L (Internal)									
ATGNR/L	TN□□2204□□	ACP4S	ACS-5W	BP-7	SP-2.5	AST422	CSTB-3.5	T-15F	4.0
ATFNR/L									
ATJNR/L	TN□□1604□□	ACP3S	ACS-5W	BP-7	SP-2.5	AST322	CSTB-3.5	T-15F	3.0
ATGNR/L									
ATFNR/L (External-Internal)									
ATQNR/L									
ASBNR/L	SN□□1204□□	ACP4S		BP-7		ASS422	CSTB-3.5	T-15F	4.0
	SN□□1506□□	ACP5S	ACS-5W		SP-2.5	ASS533	CSTB-5	KEYV-T20	6.4
	SN□□1906□□	ACP6S		BP-8.8		ASS634			
ASDNN	SN□□1204□□	ACP4S	ACS-5W	BP-7	SP-2.5	ASS422	CSTB-3.5	T-15F	4.0
ASSNR/L	SN□□1204□□	ACP4S		BP-7		ASS422	CSTB-3.5	T-15F	4.0
	SN□□1506□□	ACP5S	ACS-5W		SP-2.5	ASS533	CSTB-5	KEYV-T20	6.4
	SN□□1906□□	ACP6S		BP-8.8		ASS634			
ASKNR/L (External-Internal)	SN□□1204□□	ACP4S	ACS-5W	BP-7	SP-2.5	ASS422	CSTB-3.5	T-15F	4.0
AVJNR/L	VN□□1604□□ YN□□1604□□	ACP3L	ACS-5W	BP-7	SP-2.5	ASV322	CSTB-3.5	T-15F	3.0
AVVNN									
AVQNR/L									
AVUNR/L (Internal)									
AWLNR/L (External-Internal)	WN□□0604□□	ACP3S	ACS-5W	BP-7	SP-2.5	ASW322	CSTB-3.5	T-15F	3.0
AWLNR/L (External-Internal)	WN□□0804□□	ACP4S	ACS-5W	BP-7	SP-2.5	ASW422	CSTB-3.5	T-15F	4.0
ARGNR/L	RN□□1204□□	ACP4S	ACS-5W	BP-7	SP-2.5	ASR420	CSTB-3.5	T-15F	4.0

Note: Replacement parts of former A-type toolholders are not applicable to “**TURNING**” toolholders.

Practical examples

Work piece type		Connection (Automotive part)	Hub (Automotive parts)
Toolholder		AVVNN2525M16-A	ACLNR2525M12-A
Insert		VNMG160404-ZF	CNMG120412-TM
Grade		GT730	T9125
Work material		Alloy steel (SCr420)	Carbon steel (S53C)
			
Cutting conditions	Cutting speed : Vc (m/min)	100 ~ 250	150 ~ 200
	Feed : f (mm/rev)	0.12	0.25 ~ 0.30
	Depth of cut : ap (mm)	0.5	2.0
	Machining	External profiling (Continuous)	Face & Profiling (Continuous & Interrupted)
	Coolant	Wet	Wet
Results			
		High clamping rigidity improves workpiece accuracy and can double the tool life.	High clamping strength drastically decreases the potential for sudden fracture. Tool life can be improved by 150%



Tungaloy Corporation

Tungaloy Corporation (Head office)

11-1 Yoshima-Kogyodanchi
Iwaki-city, Fukushima, 970-1144 Japan
Phone: +81-246-36-8501 Fax: +81-246-36-8542
<http://www.tungaloy.co.jp/>

Tungaloy America, Inc.

Phone: +1-888-554-8394 Fax: +1-888-554-8392
<http://www.tungaloyamerica.com/>

Tungaloy Canada

Phone: +1-519-758-5779 Fax: +1-519-758-5791
<http://www.tungaloyamerica.com/>

Tungaloy de Mexico S.A.

Phone: +52-449-929-5410 Fax: +52-449-929-5411
<http://www.tungaloyamerica.com/>

Tungaloy do Brasil Comércio de Ferramentas de Corte Ltda.

Phone: +55-19-38262757 Fax: +55-19-38262757
<http://www.tungaloy.co.jp/br/>

Tungaloy Germany GmbH

Phone: +49-2173-90420-0 Fax: +49-2173-90420-19
<http://www.tungaloy.de>

Tungaloy France S.A.S.

Phone: +33-1-6486-4300 Fax: +33-1-6907-7817
<http://www.tungaloy-eu.com/>

Tungaloy Italia S.r.l.

Phone: +39-02-252012-1 Fax: +39-02-252012-65
<http://www.tungaloy-eu.com/>

Tungaloy Czech s.r.o

Phone: +420 532 123 391 Fax: +420 532 123 392
<http://www.tungaloy.co.jp/cz/>

Tungaloy Ibérica S.L.

Phone: +34 93 1131360 Fax: +34 93 1131361
<http://www.tungaloy.co.jp/es/>

Tungaloy Scandinavia AB

Phone: +46-462119200 Fax: +46-462119207
<http://www.tungaloy.co.jp/se/>

Tungaloy Rus, LLC

Phone: +7 4722 58 57 57 Fax: +7 4722 58 57 83
<http://www.tungaloy.co.jp/ru/>

Tungaloy Polska Sp. z o.o

Phone: +48-22-617-0890 Fax: +48-22-617-0890
<http://www.tungaloy.co.jp/pl/>

Tungaloy UK Ltd

Phone: +44 121 244 3064 Fax: +44 121 270 9694
<http://www.tungaloy.co.jp/uk>

Tungaloy Cutting Tool (Shanghai) Co.,Ltd.

Phone: +86-21-3632-1880 Fax: +86-21-3621-1918
<http://www.tungaloy.co.jp/tcst/>

Tungaloy Cutting Tool (Thailand) Co.,Ltd.

Phone: +66-2-714-3130 Fax: +66-2-714-3134
<http://www.tungaloy.co.th/>

Tungaloy Singapore (Pte.),Ltd.

Phone: +65-6391-1833 Fax: +65-6299-4557
<http://www.tungaloy.co.jp/tspl/>

Tungaloy India Pvt. Ltd.

Phone: +91-22-6124-8804 Fax: +91-22-6124-8899
<http://www.tungaloy.co.jp/in/>

Tungaloy Korea Co., Ltd

Phone: +82-2-6393-8930 Fax: +82-2-6393-8952
<http://www.tungaloy.co.jp/kr/>

Tungaloy Malaysia Sdn Bhd

Phone: +603-7805-3222 Fax: +603-7804-8563
<http://www.tungaloy.co.jp/my/>

Tungaloy Australia Pty Ltd

Phone: +612-9672-6844 Fax: +612-9672-6866
<http://www.tungaloy.co.jp/au>

Distributed by:



ISO 9001 certified
QC00J0056
Tungaloy Corporation
18/10/1996

ISO 14001 certified
EC97J1123
Tungaloy Group
Japan site and Asian
production site
26/11/1997