



Toolholders for high pressure coolant supply

TUNG^{URN}TJET

Tungaloy Report No. 432-G

Expansion of new double clamp tool holders with coolant through capability!







TUNG T^{URN}JET



Wider lineup enables improvements across all applications

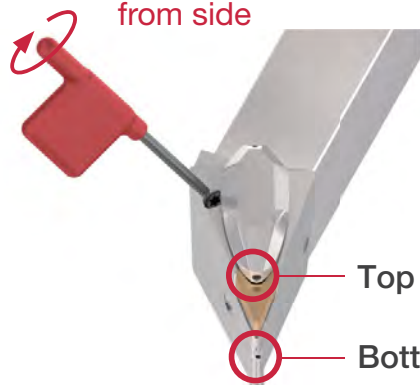
New double clamp coolant through tool holders for V/YN**1604**, TN**1604** inserts

High rigidity double clamp coolant through tool holders

Tool holders	New	New			
Insert	V/YN***1604**	TN***1604**	CN**1204**	WN**0804**	DN**1504/06**
	P.11	P.10	P.7	P.8	P.9

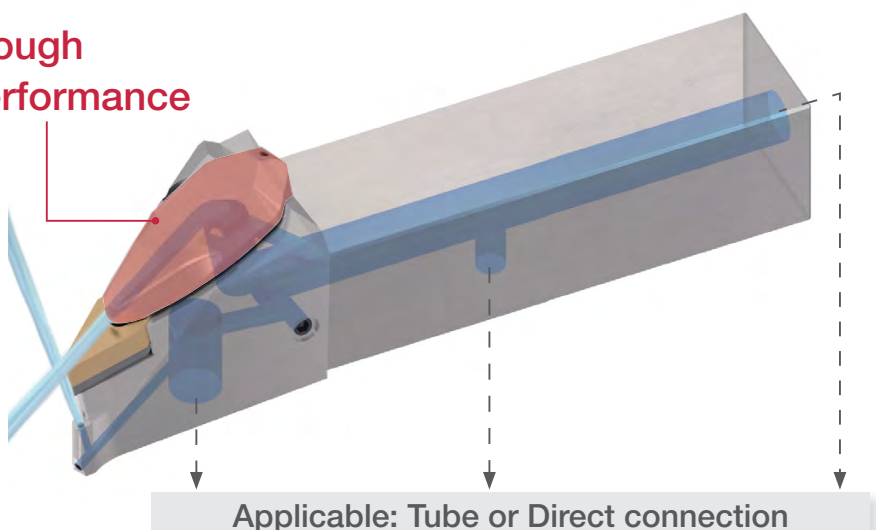
New Optimized coolant through channel maximizes performance

Simple & stable clamping from side



Top coolant hole

Bottom coolant hole



Applicable: Tube or Direct connection

*Detail page 6

Improved chip control with internal coolant

S Heat-resistant alloys (Inconel 718)

Insert : VNMG160408-HRM AH8015
Cutting speed : $V_c = 60$ m/min
Feed : $f = 0.1$ mm/rev
Depth of cut : $a_p = 1$ mm

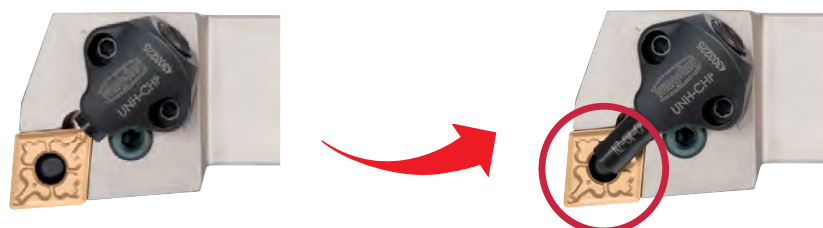
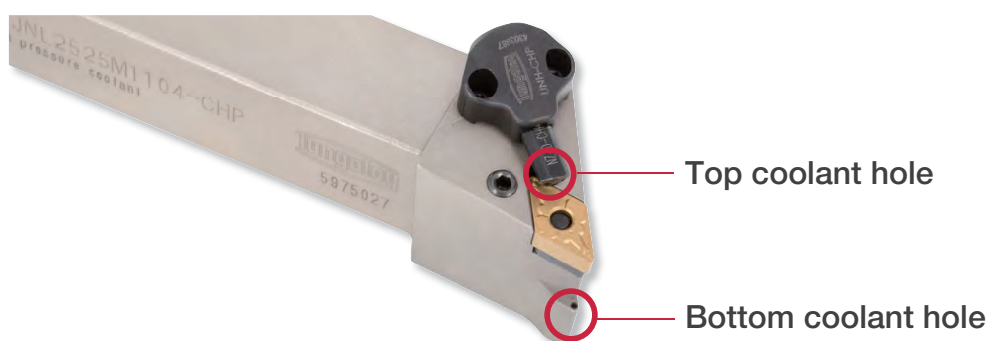
M Stainless steel (SUS304 / X5CrNi18-9)

Insert : VNMG160408-SM AH6225
Cutting speed : $V_c = 180$ m/min
Feed : $f = 0.2$ mm/rev
Depth of cut : $a_p = 1$ mm



■ Lever lock clamp (Nozzle style) turning tool holders

Tool holders					
Insert	V/YN***1604** P.11	TN***1604** P.10	CN**1204** P.7	WN**0804** P.8	DN**1504** P.9

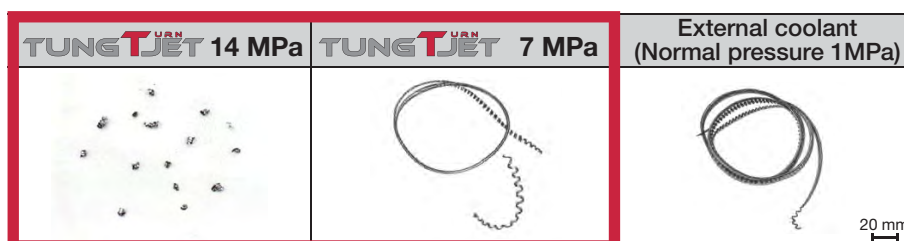


Supplying coolant closer to the cutting edge provides effective internal cooling

■ Improved chip control with high pressure coolant

S Heat-resistant alloys (Inconel 718)

Insert : CNMG120408-HRM AH8005
Cutting speed : $V_c = 60 \text{ m/min}$
Feed : $f = 0.1 \text{ mm/rev}$
Depth of cut : $a_p = 1 \text{ mm}$



Drastically improved tool life with internal coolant

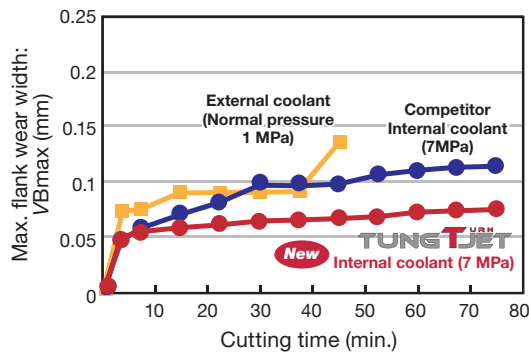
M Stainless steel (SUS304 / X5CrNi18-9)

Workpiece material : SUS304 / X5CrNi18-9
Toolholder : AVJNR2525X16-CHP
Insert : VNMG160408-SM AH6225
Cutting speed : $V_c = 180$ m/min
Feed rate : $f = 0.2$ mm/rev
Depth of cut : $a_p = 1$ mm

New



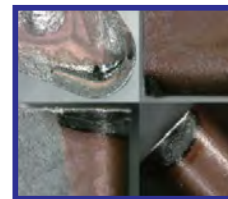
After machining for 45 min.



New TUNGTURNJET
Internal coolant (7 MPa)



Competitor
Internal coolant (7 MPa)



External coolant
(Normal pressure 1 MPa)

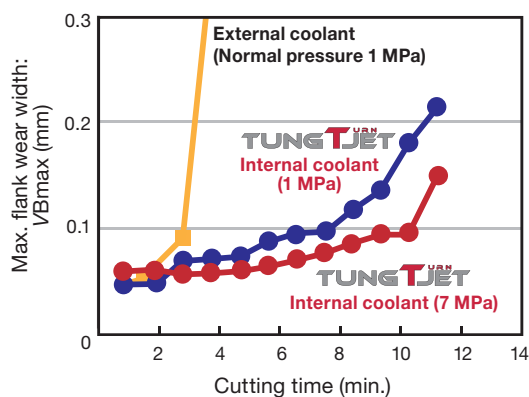


S Heat-resistant alloys (Inconel 718)

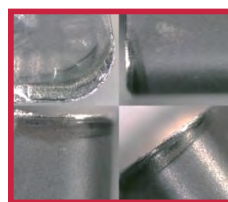
Workpiece material : Inconel 718
Toolholder : ACLNL2525X12-CHP-MC
Insert : CNMG120408-HRM AH8005
Cutting speed : $V_c = 60$ m/min
Feed : $f = 0.15$ mm/rev
Depth of cut : $a_p = 2$ mm



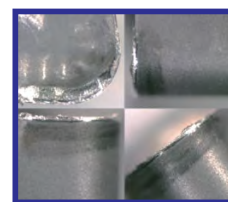
After machining for 4 min.



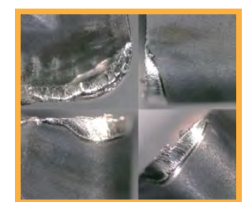
TUNGTURNJET
Internal coolant (7 MPa)



TUNGTURNJET
Internal coolant (1 MPa)



External coolant
(Normal pressure 1 MPa)



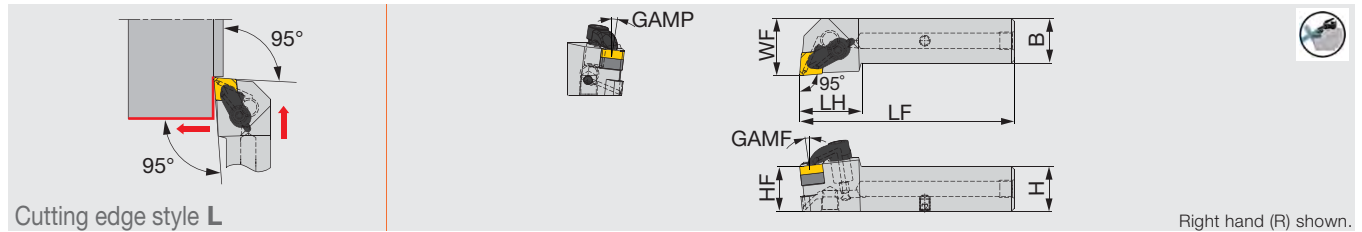
ACLNR/L-CHP-MC

Direct connection

Tube connection

Double clamping tool holders-95° approach angle

For negative 80°/70° rhombic insert. High-pressure coolant capability with tube and direct connections



Designation	H	B	LF	LH	HF	WF	GAMP	GAMF	Insert	Torque*
ACLNR/L2020X-12-CHP-MC	20	20	105	35	20	25	6°	6°	CN**/GNGA1204...	4
ACLNR/L2525X-12-CHP-MC	25	25	120	35	25	32	6°	6°	CN**/GNGA1204...	4

*Torque: Recommended torque (N·m) for clamping
Applicable for 14 MPa pressure coolant

SPARE PARTS

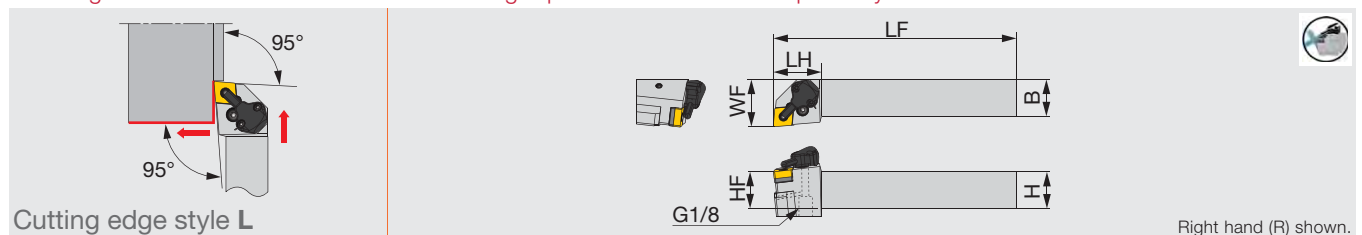
Designation	Clamp set	Shim	Shim screw	screw for tube connection	Coolant plug	O-ring	Wrench 1
ACLNL**X-12-CHP-MC	LCGL-4JC SET	RCT443	SR14-506	PLUGG1/8-6.5TL360	SRM5X5 DIN913TL360	OR 4X3 NBR70	KEYV-T20
ACLNR**X-12-CHP-MC	LCGR-4JC SET	RCT443	SR14-506	PLUGG1/8-6.5TL360	SRM5X5 DIN913TL360	OR 4X3 NBR70	KEYV-T20

PCLNR/L-CHP

Tube connection

Lever lock toolholders – 95° approach angle.

For negative 80°/70° rhombic insert. High-pressure coolant capability.



Designation	H	B	LF	LH	HF	WF	RE**	Insert	Torque*
PCLNR/L2020K0904-CHP	20	20	125	33	20	32	0.8	CN**/GNMG0904...	2
PCLNR/L2020K12-CHP	20	20	125	33	20	32	0.8	CN**/GNGA1204...	3
PCLNR/L2525M0904-CHP	25	25	150	33	25	32	0.8	CN**/GNMG0904...	2
PCLNR/L2525M12-CHP	25	25	150	33	25	32	0.8	CN**/GNGA1204...	3

*Torque: Recommended torque (N·m) for clamping
**RE: Standard corner radius

SPARE PARTS

Designation	Shim	Clamping screw	Wrench 1	Spring pin	Lever
PCLNR/L**0904-CHP	LSC317	LCS3	P-2.5	LSP3	LCL33
PCLNR/L**12-CHP	LSC42	LCS4	P-3	LSP4	LCL4

SPARE PARTS

Designation	Coolant unit	Mounting screw	Wrench 2	O-ring	Coolant screw	Wrench 3
PCLNR/L**0904-CHP	CU-CW-CHP	SR M3	T-8F	OR 6.4X0.9N	SR M4X4 DIN913 TL360	P-2
PCLNR/L**12-CHP	CU-CW-CHP	SR M3	T-8F	OR 6.4X0.9N	SR M4X4 DIN913 TL360	P-2

For hose connection to the tool holder, refer to page 13

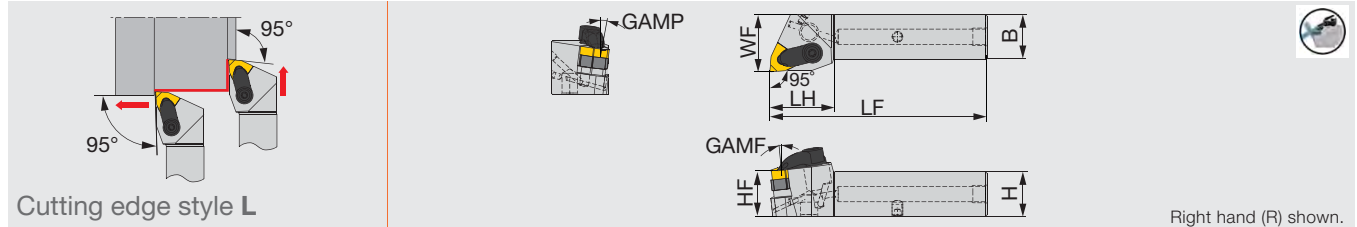
AWLNR/L-CHP-MC

Direct connection

Tube connection

Double clamping tool holders-95° approach angle

For negative 80° trigon insert. High-pressure coolant capability with tube and direct connections



Designation	H	B	LF	LH	HF	WF	GAMP	GAMPF	Insert	Torque*
AWLNR/L2020X-08-CHP-MC	20	20	106	36	20	25	6°	6°	WN**0804...	4
AWLNR/L2525X-08-CHP-MC	25	25	121	36	25	32	6°	6°	WN**0804...	4

*Torque: Recommended torque (N-m) for clamping
Applicable for 14 MPa pressure coolant

SPARE PARTS

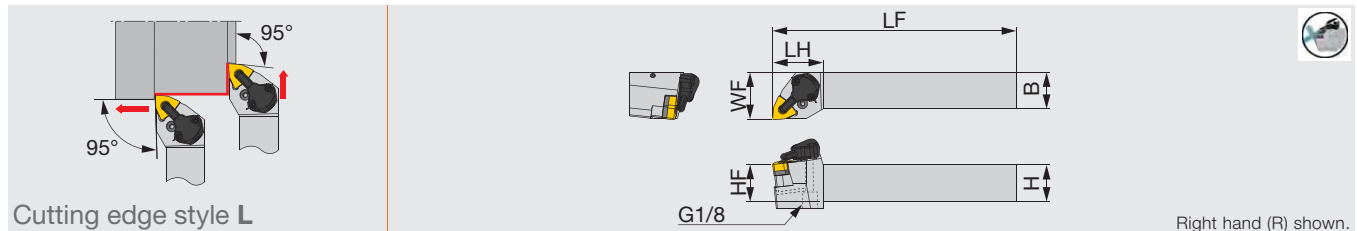
Designation	Clamp set	Shim	Shim screw	screw for tube connection	Coolant plug	O-ring	Wrench 1
AWLNR**X-08-CHP-MC	LCGL-4JC SET	RWT443	SR14-506	PLUGG1/8-6.5TL360	SRM5X5 DIN913TL360	OR 4X3 NBR70	KEYV-T20
AWLNR**X-08-CHP-MC	LCGR-4JC SET	RWT443	SR14-506	PLUGG1/8-6.5TL360	SRM5X5 DIN913TL360	OR 4X3 NBR70	KEYV-T20

PWLNR/L-CHP

Tube connection

Lever lock toolholders – 95° approach angle.

For negative 80° trigon insert. High-pressure coolant capability.



Designation	H	B	LF	LH	HF	WF	RE**	Insert	Torque*
PWLNR/L2020K0604-CHP	20	20	125	34	20	32	0.8	WN**0604...	2
PWLNR/L2020K08-CHP	20	20	125	34	20	32	0.8	WN**0804...	3
PWLNR/L2525M0604-CHP	25	25	150	34	25	32	0.8	WN**0604...	2
PWLNR/L2525M08-CHP	25	25	150	34	25	32	0.8	WN**0804...	3

*Torque: Recommended torque (N-m) for clamping
**RE: Standard corner radius

SPARE PARTS

Designation	Shim	Clamping screw	Wrench 1	Spring pin	Lever
PWLNR/L**0604-CHP	LSW312	LCS3	P-2.5	LSP3	LCL3
PWLNR/L**08-CHP	LSW42	LCS4	P-2.5	LSP4	LCL4

SPARE PARTS

Designation	Coolant unit	Mounting screw	Wrench 2	O-ring	Coolant screw	Wrench 3
PWLNR/L**0604-CHP	CU-CW-CHP	SR M3	T-8F	OR 6.4X0.9N	SR M4X4 DIN913 TL360	P-2
PWLNR/L**08-CHP	CU-CW-CHP	SR M3	T-8F	OR 6.4X0.9N	SR M4X4 DIN913 TL360	P-2

For hose connection to the tool holder, refer to page 13

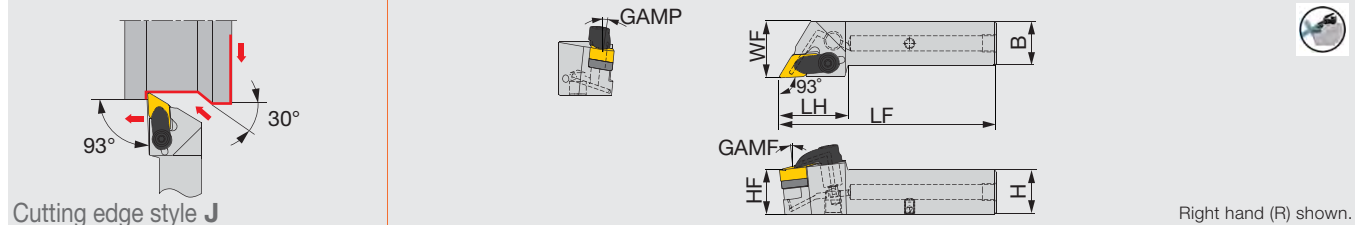
ADJNR/L-CHP-MC

Direct connection

Tube connection

Double clamping tool holders-93° approach angle

For negative 55°/45° rhombic insert. High-pressure coolant capability with tube and direct connections



Right hand (R) shown.

Designation	H	B	LF	LH	HF	WF	GAMP	GAMPF	Insert	Torque*
ADJNR/L2020X-15-CHP-MC	20	20	110	40	20	25	6°	6°	DN**/FNGA1506...	4
ADJNR/L2525X-15-CHP-MC	25	25	125	40	25	32	6°	6°	DN**/FNGA1506...	4

*Torque: Recommended torque (N·m) for clamping

**Use shim RDT443 when using insert DN1504...

Applicable for 14 MPa pressure coolant

SPARE PARTS

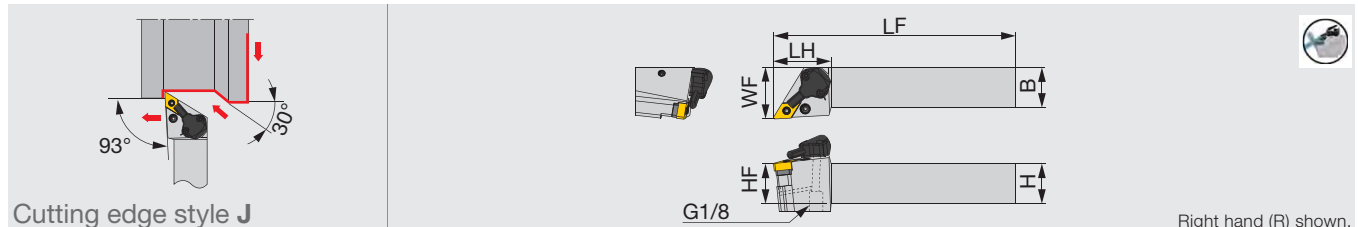
Designation	Clamp set	Shim	Shim screw	screw for tube connection	Coolant plug	O-ring	Wrench 1
ADJNL***X-15-CHP-MC	LCGL-4JC SET	RDT433	SR14-506	PLUGG1/8-6.5TL360	SRM5X5 DIN913TL360	OR 4X3 NBR70	KEYV-T20
ADJNR***X-15-CHP-MC	LCGR-4JC SET	RDT433	SR14-506	PLUGG1/8-6.5TL360	SRM5X5 DIN913TL360	OR 4X3 NBR70	KEYV-T20

PDJNR/L-CHP

Tube connection

Lever lock toolholders – 93° approach angle.

For negative 55°/45° rhombic insert. High-pressure coolant capability.



Right hand (R) shown.

Designation	H	B	LF	LH	HF	WF	RE**	Insert	Torque*
PDJNR/L2020K1104-CHP	20	20	125	36	20	32	0.8	DN**/FNMG1104...	2
PDJNR/L2020K15-CHP	20	20	125	36	20	32	0.8	DN**/FNGA1504...	3
PDJNR/L2525M1104-CHP	25	25	150	36	25	32	0.8	DN**/FNMG1104...	2
PDJNR/L2525M15-CHP	25	25	150	36	25	32	0.8	DN**/FNGA1504...	3

*Torque: Recommended torque (N·m) for clamping

**RE: Standard corner radius

SPARE PARTS

Designation	Shim	Clamping screw	Wrench 1	Spring pin	Lever
PDJNR/L**1104-CHP	ELSD32	LCS3	P-2.5	LSP3	LCL33L
PDJNR/L**15-CHP	LSD43A	LCS4	P-3	LSP4	LCL4

SPARE PARTS

Designation	Coolant unit	Mounting screw	Wrench 2	O-ring	Coolant screw	Wrench 3
PDJNR/L**1104-CHP	CU-D-CHP	SR M3	T-8F	OR 6.4X0.9N	SR M4X4 DIN913 TL360	P-2
PDJNR/L**15-CHP	CU-D-CHP	SR M3	T-8F	OR 6.4X0.9N	SR M4X4 DIN913 TL360	P-2

For hose connection to the tool holder, refer to page 13

New

ATGNR/L-CHP

Direct connection

Tube connection

Double clamping tool holders-91° approach angle.

For negative triangle insert. High-pressure coolant capability with tube and direct connections.



Designation	H	B	LF	LH	HF	WF	RE	Insert	Torque
ATGNR/L2020X16-CHP	20	20	102	30	20	25	0.8	TN**1604**	3
ATGNR/L2525X16-CHP	25	25	115	30	25	32	0.8	TN**1604**	3

Torque: Recommended clamping torque: N·m

SPARE PARTS

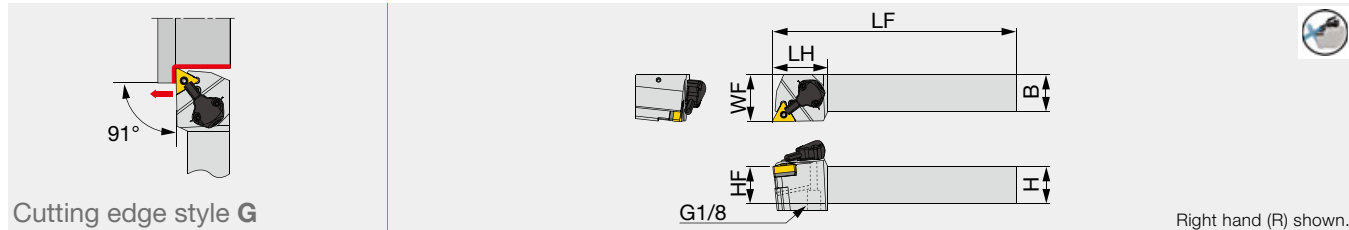
Designation	Clamp	Clamping screw	Shim	Shim screw	Spring	Wrench	O-ring
ATGN***16-CHP	ACP3S-CHP	SR 11800782	AST322	CSTB-3.5	BP-4.5	T-15F	ORAS568-2.62X7.59

PTGNR/L-CHP

Tube connection

Lever lock toolholders – 91° approach angle.

For negative triangle insert. High-pressure coolant capability.



Designation	H	B	LF	LH	HF	WF	RE**	Insert	Torque*
PTGNR/L2020K1104-CHP	20	20	125	38	20	32	0.8	TN**1104...	2
PTGNR/L2020K16-CHP	20	20	125	38	20	32	0.8	TN**1604...	2
PTGNR/L2525M1104-CHP	25	25	150	38	25	32	0.8	TN**1104...	2
PTGNR/L2525M16-CHP	25	25	150	38	25	32	0.8	TN**1604...	2

*Torque: Recommended torque (N·m) for clamping

**RE: Standard corner radius

SPARE PARTS

Designation	Shim	Clamping screw	Wrench 1	Spring pin	Lever
PTGNR/L**1104-CHP	-	LCS23A	P-2.5	LSP3	LCL23
PTGNR/L**16-CHP	LST317	LCS3	P-2.5	LSP3	LCL3

SPARE PARTS

Designation	Coolant unit	Mounting screw	Wrench 2	O-ring	Coolant screw	Wrench 3
PTGNR/L**1104-CHP	CU-CW-CHP	SR M3	T-8F	OR 6.4X0.9N	SR M4X4 DIN913 TL360	P-2
PTGNR/L**16-CHP	CU-CW-CHP	SR M3	T-8F	OR 6.4X0.9N	SR M4X4 DIN913 TL360	P-2

For hose connection to the tool holder, refer to page 13

New

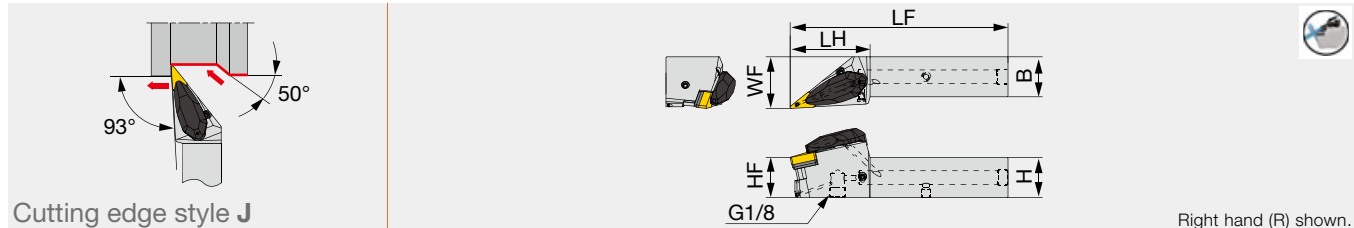
AVJNR/L-CHP

Direct connection

Tube connection

Double clamping tool holders-93° approach angle.

For negative 35° or 25° rhombic insert. High-pressure coolant capability with tube and direct connections.



Right hand (R) shown.

Designation	H	B	LF	LH	HF	WF	RE	Insert	Torque
AVJNR/L2020X16-CHP	20	20	122	50	20	25	0.8	V/YN***1604**	3
AVJNR/L2525X16-CHP	25	25	135	50	25	32	0.8	V/YN***1604**	3

Torque: Recommended clamping torque: N·m

SPARE PARTS

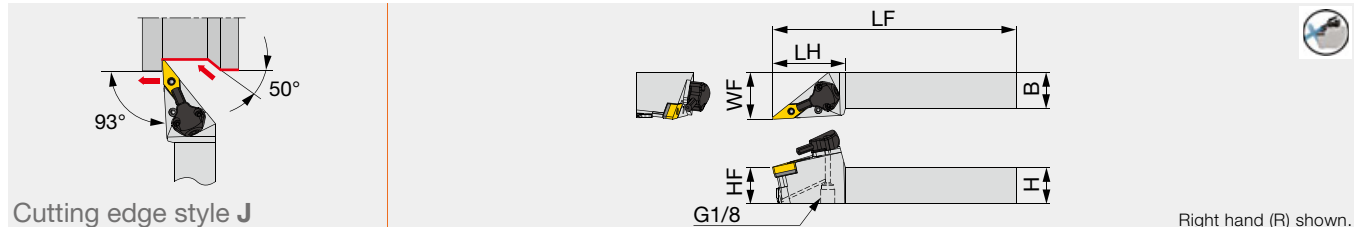
Designation	Clamp	Clamping screw	Shim	Shim screw	Spring	Wrench	O-ring
AVJNR/L***16-CHP	ACP3L-CHP	SR 11800782	ASV322	CSTB-3.5	BP-4.5	T-15F	ORAS568-2.62X7.59

PVJNR/L-CHP

Tube connection

Lever lock toolholders – 93° approach angle.

For negative 35°/25° rhombic insert. High-pressure coolant capability.



Right hand (R) shown.

Designation	H	B	LF	LH	HF	WF	RE**	Insert	Torque*
PVJNR/L2020K1204-CHP	20	20	125	50	20	32	0.8	VN**1204...	2
PVJNR/L2020K16-CHP	20	20	125	50	20	32	0.8	VN**/YN**1604...	2
PVJNR/L2525M1204-CHP	25	25	150	50	25	32	0.8	VN**1204...	2
PVJNR/L2525M16-CHP	25	25	150	50	25	32	0.8	VN**/YN**1604...	2

*Torque: Recommended torque (N·m) for clamping

**RE: Standard corner radius

SPARE PARTS

Designation	Shim	Clamping screw	Wrench 1	Spring pin	Lever
PVJNR/L**1204-CHP	LSV212	LCS3V	P-2.5	LSP3	LCL3V
PVJNR/L**16-CHP	LSV317	LCS3V	P-2.5	LSP3	LCL3V

SPARE PARTS

Designation	Coolant unit	Mounting screw	Wrench 2	O-ring	Coolant screw	Wrench 3
PVJNR/L**1204-CHP	CU-V-CHP	SR M3	T-8F	OR 6.4X0.9N	SR M4X4 DIN913 TL360	P-2
PVJNR/L**16-CHP	CU-V-CHP	SR M3	T-8F	OR 6.4X0.9N	SR M4X4 DIN913 TL360	P-2

For hose connection to the tool holder, refer to page 13

New

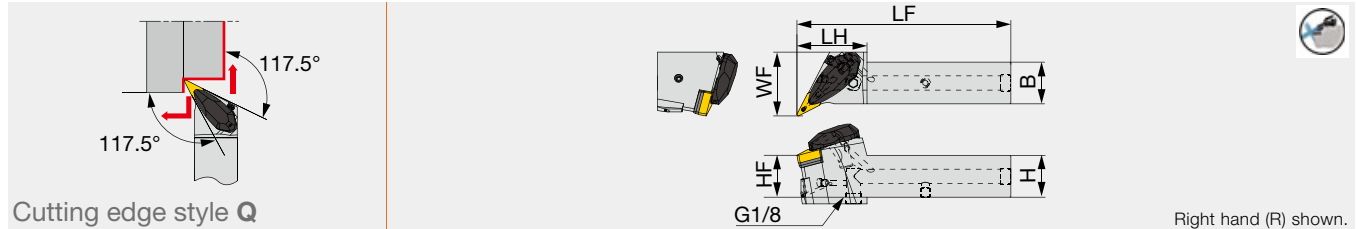
AVQNR/L-CHP

Direct connection

Tube connection

Double clamping tool holders-117.5° approach angle.

For negative 35° or 25° rhombic insert. High-pressure coolant capability with tube and direct connections.



Designation	H	B	LF	LH	HF	WF	RE	Insert	Torque
AVQNR/L2020X16-CHP	20	20	114	41	20	25	0.8	V/YN**1604**	3
AVQNR/L2525X16-CHP	25	25	127	42	25	32	0.8	V/YN**1604**	3

Torque: Recommended clamping torque: N·m

SPARE PARTS

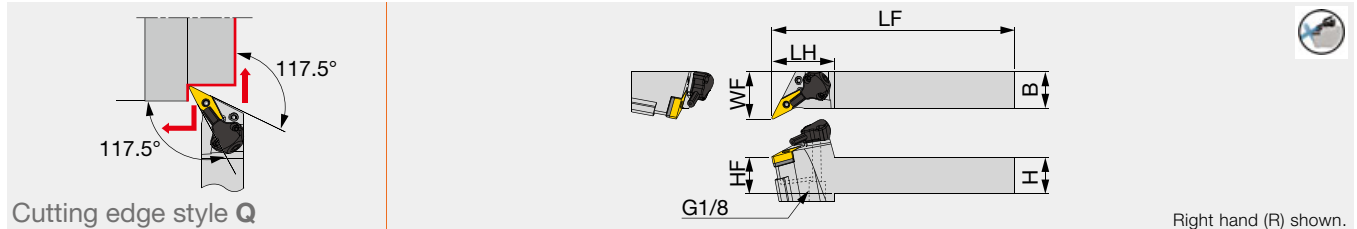
Designation	Clamp	Clamping screw	Shim	Shim screw	Spring	Wrench	O-ring
AVQNR/L**16-CHP	ACP3L-CHP	SR 11800782	ASV322	CSTB-3.5	BP-4.5	T-15F	ORAS568-2.62X7.59

PVQNR/L-CHP

Tube connection

Lever lock toolholders – 117.5° approach angle.

For negative 35°/25° rhombic insert. High-pressure coolant capability.



Designation	H	B	LF	LH	HF	WF	RE **	Insert	Torque*
PVQNR/L2020K16-CHP	20	20	125	42.5	20	32	0.8	VN**/YN**1604...	2
PVQNR/L2525M16-CHP	25	25	150	42.5	25	32	0.8	VN**/YN**1604...	2

*Torque: Recommended torque (N·m) for clamping

**RE: Standard corner radius

SPARE PARTS

Designation	Shim	Clamping screw	Wrench 1	Spring pin	Lever
PVQNR/L**16-CHP	LSV317	LCS3V	P-2.5	LSP3	LCL3V

SPARE PARTS

Designation	Coolant unit	Mounting screw	Wrench 2	O-ring	Coolant screw	Wrench 3
PVQNR/L**16-CHP	CU-V-CHP	SR M3	T-8F	OR 6.4X0.9N	SR M4X4 DIN913 TL360	P-2

For hose connection to the tool holder, refer to page 13

New

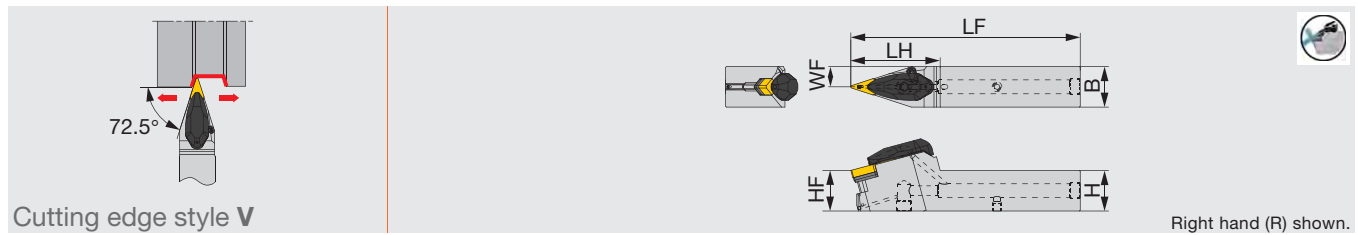
AVVNN-CHP

Direct connection

Tube connection

Double clamping tool holders-72.5° approach angle.

For negative 35° or 25° rhombic insert. High-pressure coolant capability with tube and direct connections.



Right hand (R) shown.

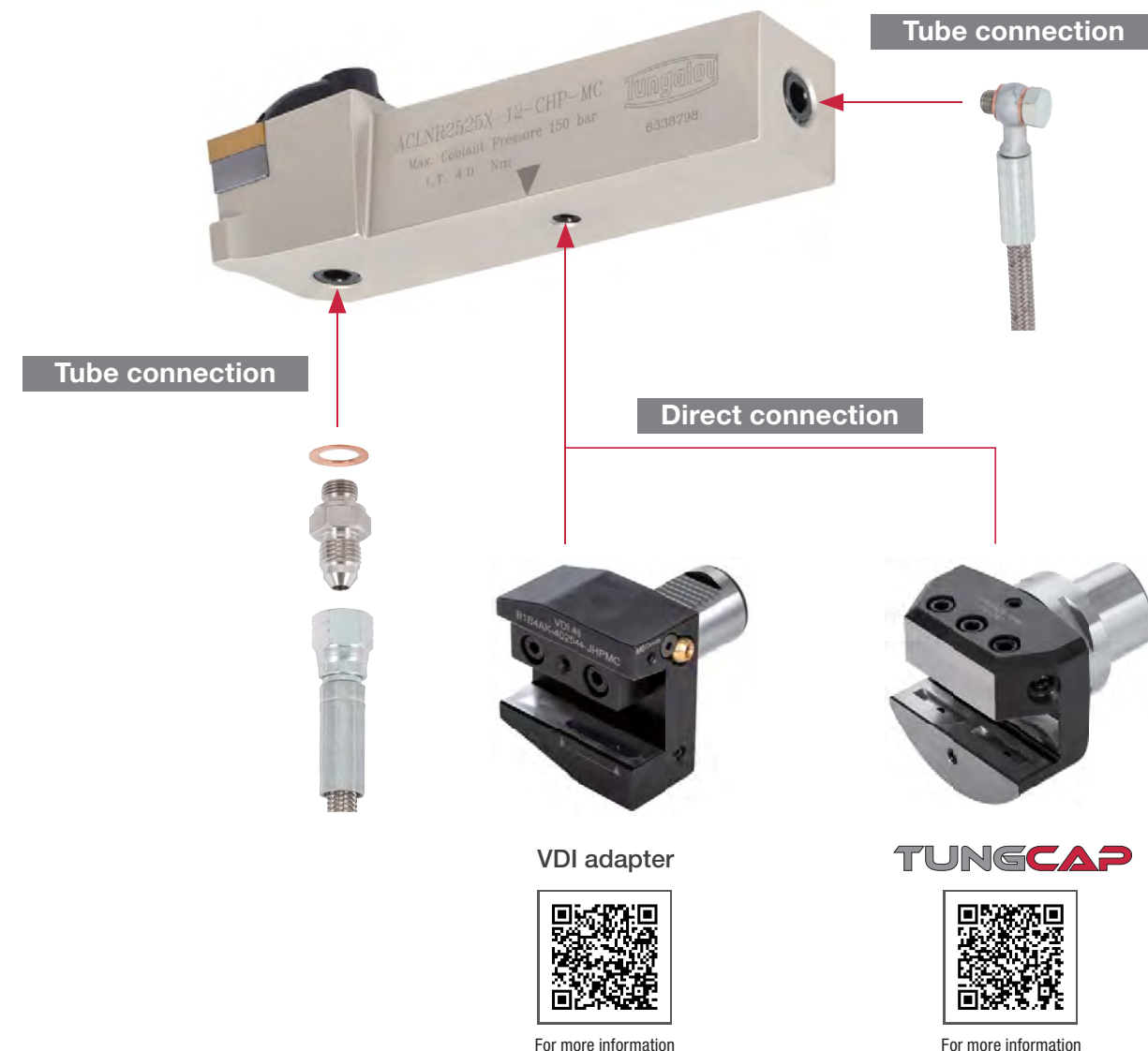
Designation	H	B	LF	LH	HF	WF	RE	Insert	Torque
AVVNN2020X16-CHP	20	20	127	55	20	10	0.8	V/YN**1604**	3
AVVNN2525X16-CHP	25	25	140	55	25	12.5	0.8	V/YN**1604**	3

Torque: Recommended clamping torque: N·m

SPARE PARTS

Designation	Clamp	Clamping screw	Shim	Shim screw	Spring	Wrench	O-ring
AVVNN****16-CHP	ACP3L-CHP	SR 11800782	ASV322	CSTB-3.5	BP-4.5	T-15F	ORAS568-2.62X7.59

PARTS FOR COOLANT HOSE



VDI adapter

TUNGCAP

For more information

For more information

PARTS FOR COOLANT HOSE

Connecting hose

Fig. 1

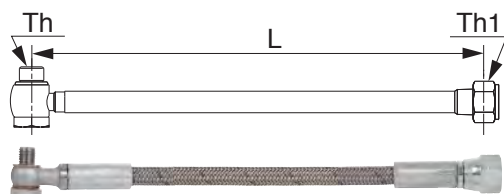
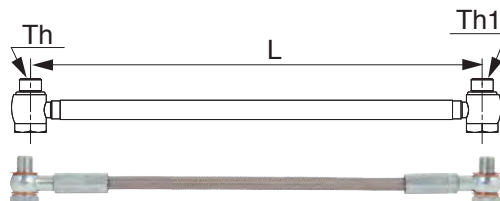
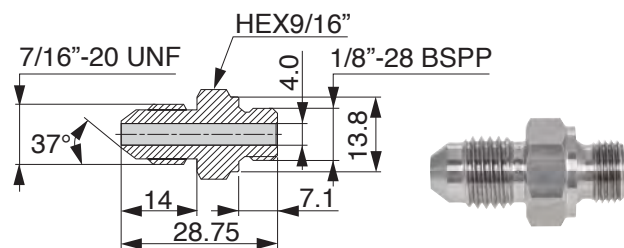


Fig. 2



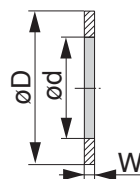
Designation	Length L	Threading size		Max. pressure (Mpa)	Fig.
		Th	Th1		
CHP-HOSE-G1/8-7/16-200BS	200	G1/8"-28 BSPP	7/16"-20 UNF	20	1
CHP-HOSE-G1/8-7/16-250BS	250	G1/8"-28 BSPP	7/16"-20 UNF	20	1
CHP-HOSE-5/16-7/16-200BS	200	5/16"-24UNF	7/16"-20 UNF	20	1
CHP-HOSE-5/16-G1/8-200BS	200	5/16"-24UNF	G1/8"-28 BSPP	20	1
CHP-HOSE-G1/8-G1/8-200BB	200	G1/8"-28 BSPP	G1/8"-28 BSPP	20	2
CHP-HOSE-G1/8-G1/8-250BB	250	G1/8"-28 BSPP	G1/8"-28 BSPP	20	2

Connector



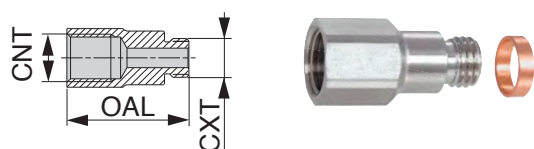
Designation
CHP-NIPPLE-G1/8-7/16UNF

Seal washer



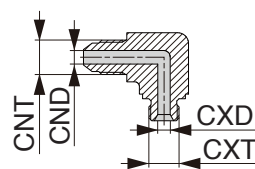
Designation	øD	ød	W
CHP-COPPER-SEAL1/8	15	10	1
CHP-COPPER-SEAL5/16	11.9	8.15	1.35
CHP-COPPER-SEAL5/16-2.5	9.4	8	2.5

Connector for small lathe with seal washer



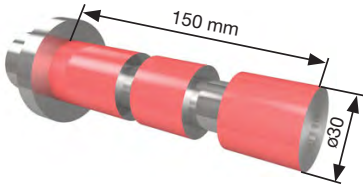
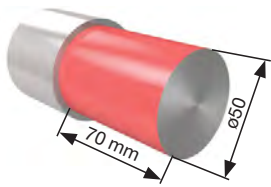
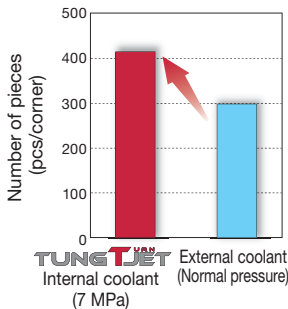
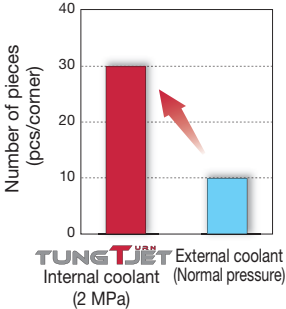
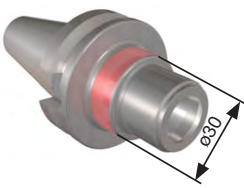
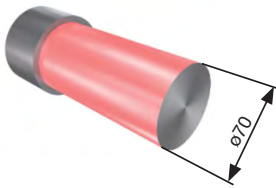
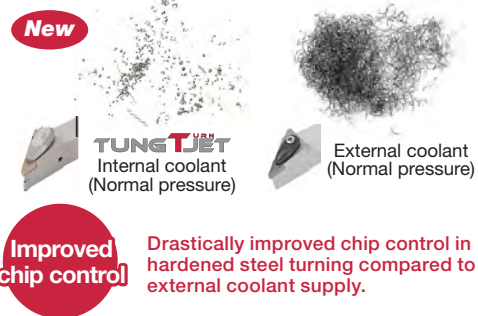
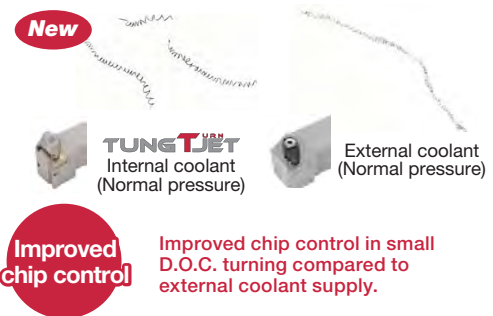
Designation	CNT	CXT	OAL
CHP-CONNECTOR5/16-G1/8	G1/8"-28 BSPP	5/16"-24 UNF	25
CHP-CONNECTOR-G1/8-R1/8	G1/8"-28 BSPP	R1/8"-28 BSPT	25

Connector elbow



Designation	CNT	CND	CXT	CXD
CHP-ELBOW-90-G1/8-7/16UNF	7/16"-20 UNF	4.4	1/8"-28 BSPP	4
CHP-ELBOW-90-5/16-7/16UNF	7/16"-20 UNF	4.4	5/16"-24 UNF	4

PRACTICAL EXAMPLES

Workpiece type		Valve parts	Tube parts
Toolholder		PDJNR2525M15-CHP	PCLNR2525M12-CHP
Insert		DNMG150408-HRM	CNMG120408-HRM
Grade		AH8015	AH8015
Workpiece material		Inconel 718	Ti-6AL-4V
			
Cutting conditions	Cutting speed : V_c (m/min)	80	60
	Feed : f (mm/rev)	0.3	0.2
	Depth of cut : a_p (mm)	2	2
	Machining	External turning	External turning
	Coolant	Wet	Wet
Results		 Tool life 1.3 times longer Due to cooling effect of high pressure coolant, tool life is 1.3 times longer than machining with normal pressure coolant.	 Tool life 3 times longer Due to its high pressure coolant system, TungTurn-Jet provides excellent chip control and tool life is 3 times longer than machining with normal pressure coolant.
Workpiece type		Toolholder	Machine parts
Toolholder		AVJNR2525X16-CHP	ATGNR2525X16-CHP
Insert		2QP-VNGA160404-LC	TNMG160404
Grade		BXA20	T9215
Workpiece material		SNCM420 (60HRC)	SNCM240 /41CrNiMo2
			
Cutting conditions	Cutting speed : V_c (m/min)	100	200
	Feed : f (mm/rev)	0.1	0.5
	Depth of cut : a_p (mm)	0.1	0.2
	Machining	External turning	External turning
	Coolant	Wet	Wet
Results		 Improved chip control Drastically improved chip control in hardened steel turning compared to external coolant supply.	 Improved chip control Improved chip control in small D.O.C. turning compared to external coolant supply.

Tungaloy Corporation (Head office)

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

Tungaloy-NTK America Inc.

3726 N Ventura Drive
Arlington Heights, IL 60004, U.S.A.
Phone: +1-888-554-8394
Fax: +1-888-554-8392
www.tungaloy.com/us

Tungaloy Canada

432 Elgin St. Unit 3
Brantford, Ontario N3S 7P7, Canada
Phone: +1-519-758-5779
Fax: +1-519-758-5791
www.tungaloy.com/ca

Tungaloy-NTK De Mexico S.A.

C. Los Arellano 113,
Parque Industrial Siglo XXI
Aguascalientes, AGS, Mexico 20290
Phone: +52-449-929-5410
Fax: +52-449-929-5411
www.tungaloy.com/mx

Tungaloy-NTK do Brasil Ltda.

Avd. Independencia N4158 Residencial Flora
13280-000 Vinhedo, São Paulo, Brasil
Phone: +55-19-38262757
Fax: +55-19-38262757
www.tungaloy.com/br

Tungaloy-NTK Germany GmbH.

Katzbergstr. 3a
D-40764 Langenfeld, Germany
Phone: +49-2173-90420-0
Fax: +49-2173-90420-19
www.tungaloy.com/de

Tungaloy France s.a.s

Les Fjords
19 avenue de Norvège
91140 Villebon Sur Yvette, France
Phone: +33-1-6486-4300
Fax: +33-1-6907-7817
www.tungaloy.com/fr

Tungaloy Italia S.r.l.

Viale Sarca 336/Edificio 13
20126 Milano, Italy
Phone: +39-02-252012-1
Fax: +39-02-252012-65
www.tungaloy.com/it

Tungaloy Czech s.r.o.

Turanka 1583/115g,
627 00 Brno, Czech Republic
Phone: +420-532 123 391
www.tungaloy.com/cz

Tungaloy Ibérica S.L.

C/Miquel Servet, 43B, Nau 7
Pol. Ind. Bufalvent
ES-08243 Manresa (BCN), Spain
Phone: +34 93 113 1360
www.tungaloy.com/es

Tungaloy Scandinavia AB

Bultgatan 38
442 40 Kungälv, Sweden
Phone: +46-462119200
Fax: +46-462119207
www.tungaloy.com/se

Tungaloy Rus, LLC

Andropova avenue, h.18/7,
11 floor, office 3, 115432,
Moscow, Russia
Phone: +7-499-683-01-80
Fax: +7-499-683-01-81
www.tungaloy.com/ru

Tungaloy Polska Sp. z o.o.

Ul. Irysowa 1, 55-040 Bielany
Wroclawskie, Poland
Phone: +48 607 907 237
www.tungaloy.com/pl

Tungaloy-NTK UK Ltd.

Suite 3, Pioneer House, Mill Street,
Cannock, WS11 0EF, UK
Phone: +44 121 4000 231
Fax: +44 121 270 9694
www.tungaloy.com/uk

Tungaloy Hungary Kft

Erzsébet királyné útja 125
H-1142 Budapest, Hungary
Phone: +36 1 781-6846
Fax: +36 1 781-6866
www.tungaloy.com/hu

Tungaloy Turkey

Serifali Mah.bayraktar Bulvari Kule Sk. No:26
34775 Umraniye / Istanbul / Turkey
Phone: +90 216 540 04 67
Fax: +90 216 540 04 87
www.tungaloy.com/tr

Tungaloy Benelux b.v.

Tjalk 70
NL-2411 NZ Bodegraven, Netherlands
Phone: +31 172 630 420
Fax: +31 172 630 429
www.tungaloy.com/nl

Tungaloy Croatia

Ulica bana Josipa Jelačića 87,
10430, Samobor, Croatia
Phone: +385 1 3326 604
Fax: +385 1 3327 683
www.tungaloy.com/hr

Tungaloy Cutting Tool (Shanghai) Co. Ltd.

Rm No 401 No.88 Zhabei
Jiangchang No.3 Rd
Shanghai 200436, China
Phone: +86-21-3632-1880
Fax: +86-21-3621-1918
www.tungaloy.com/cn

Tungaloy Cutting Tools Taiwan Co. Ltd.

9F, No.293, Zhongyang Rd,
Xinzhuan Dist, New Taipei City,
24251 Taiwan
Phone: +886-2-8521-9986
Fax: +886-2-8521-8935
www.tungaloy.com/tw

Tungaloy-NTK Cutting Tool (Thailand) Co.,Ltd.

Interlink tower 4th Fl.
1858/5-7 Bangna-Trad Road
km.5 Bangna, Bangna, Bangkok 10260
Thailand
Phone: +66-2-751-5711
Fax: +66-2-751-5715
www.tungaloy.com/th

Tungaloy Singapore (Pte.), Ltd.

62 Ubi Road 1, #08-09 Oxley BizHub 2
Singapore 408734
Phone: +65-6391-1833
Fax: +65-6299-4557
www.tungaloy.com/singapore

Tungaloy-NTK Vietnam LLC

3rd Floor, Licogi 13 Tower, 164 Khuat Duy
Tien, Nhan Chinh, Thanh Xuan District,
Hanoi, Vietnam
Phone: +84 24 63282086
www.tungaloy.com/vn

Tungaloy India Pvt. Ltd.

One International Center,
Unit # 902-A, 9th Floor,
Tower 1, Senapati Bapat Marg,
Elphinstone Road (West),
Mumbai 400013, India
Phone: +91-22-6124-8803
Fax: +91-22-6124-8899
www.tungaloy.com/in

Tungaloy Korea Co., Ltd

#1312, Byucksan Digital Valley 5-cha
Beotkkot-ro 244, Geumcheon-gu
153-788 Seoul, Korea
Phone: +82-2-2621-6161
Fax: +82-2-6393-8952
www.tungaloy.com/kr

Tungaloy Malaysia Sdn Bhd

50 K-2, Kelana Mall, Jalan SS6/14
Kelana Jaya, 47301
Petaling Jaya, Selangor Darul Ehsan
Malaysia
Phone: +603-7805-3222
Fax: +603-7804-8563
www.tungaloy.com/my

Tungaloy Australia Pty Ltd

Unit 68 1470 Ferntree Gully Road
Knoxfield 3180 Victoria, Australia
Phone: +61-3-9755-8147
Fax: +61-3-9755-6070
www.tungaloy.com/au

PT. Tungaloy Indonesia

Ruko Blok AA.10 No3&5, Grand Wisata,
Lambangjaya, Tambun Selatan, Bekasi,
17510 Indonesia
Phone: +62-21-8261-5808
Fax: +62-21-8261-5809
www.tungaloy.com/id



tungaloy.com

follow us at:

facebook.com/tungaloyjapan

twitter.com/tungaloyjapan

www.youtube.com/tungaloycorporation

Distributed by:



Tungaloy APP & SNS



AS9100 Certified
78006
2015.11.04
ISO 14001 Certified
EC97J1123
1997.11.26