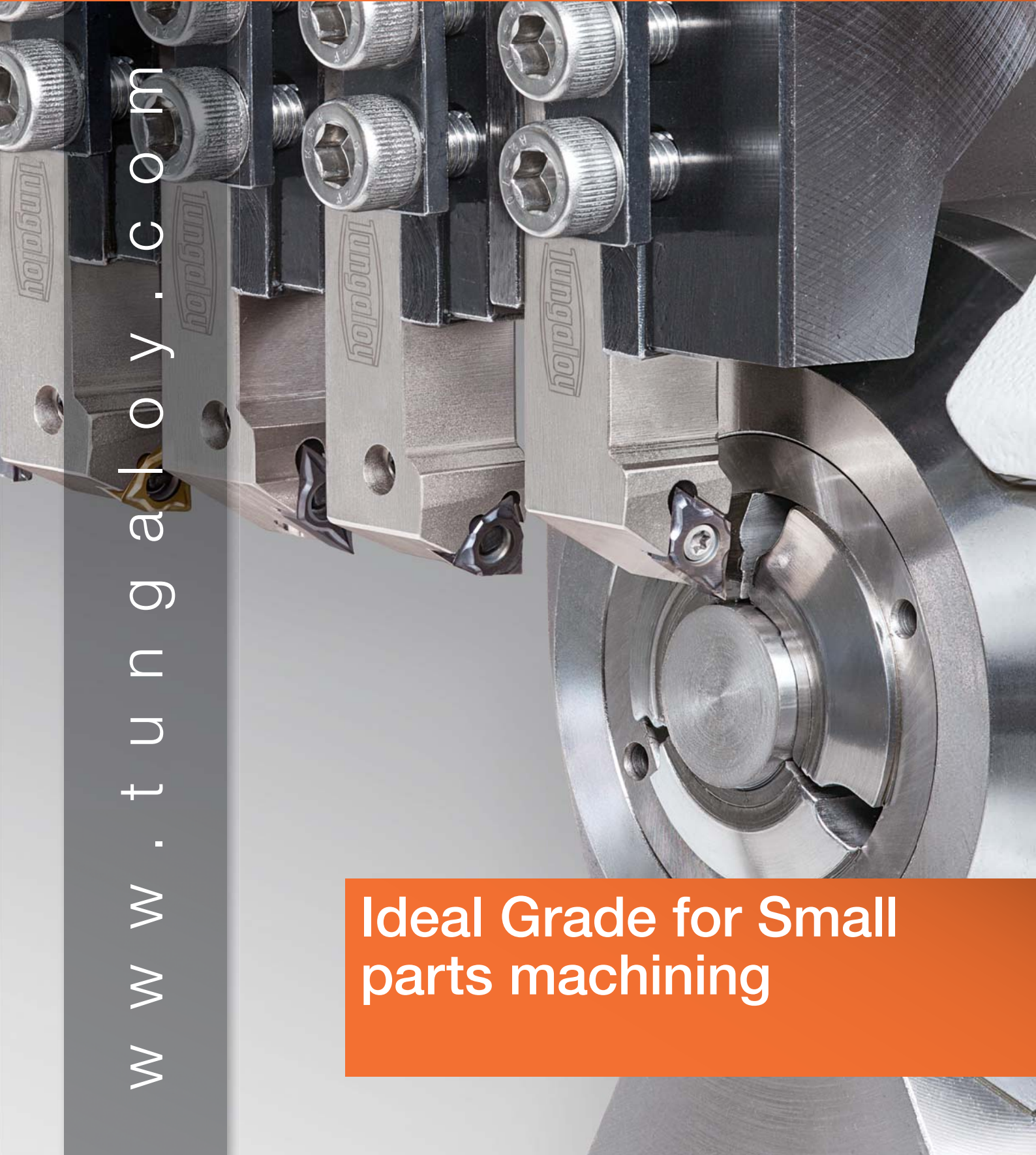


www.tungaloy.com

**Ideal Grade for Small
parts machining**

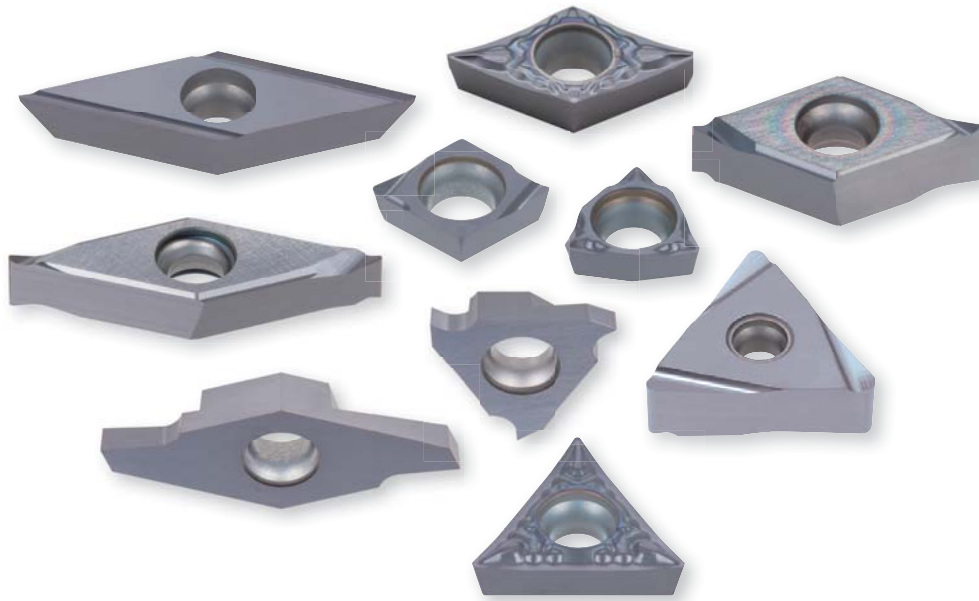




INDUSTRIAL

GROUP





SH725

TUNGALOY

- Excellent sharpness and high adhesion strength offers the incredible wear-resistance
- Line-up of toolholders are effectively expanded.

SH725

TUNGALOY

Exclusive PVD coated grade for precise parts machining

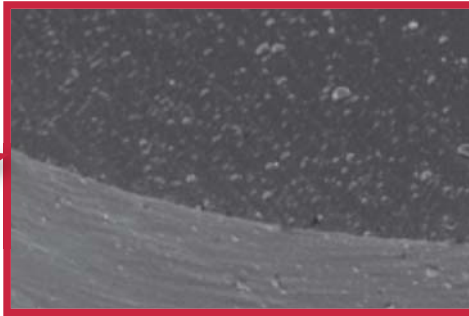
“High adhesion strength” & “Sharp cutting edge”

➔ Amazing tool life with Excellent sharpness!

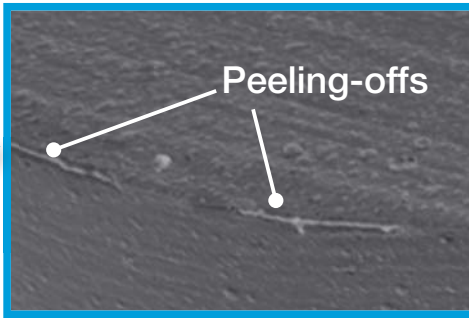
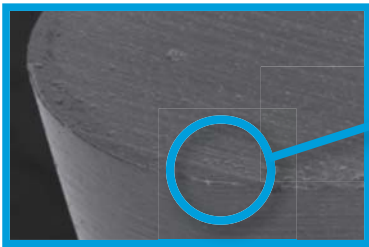
Newly developed coating layer

No peeling-off even on sharp edges

SH725



Competitor



0.1 mm

1 μm

Improved adhesion strength

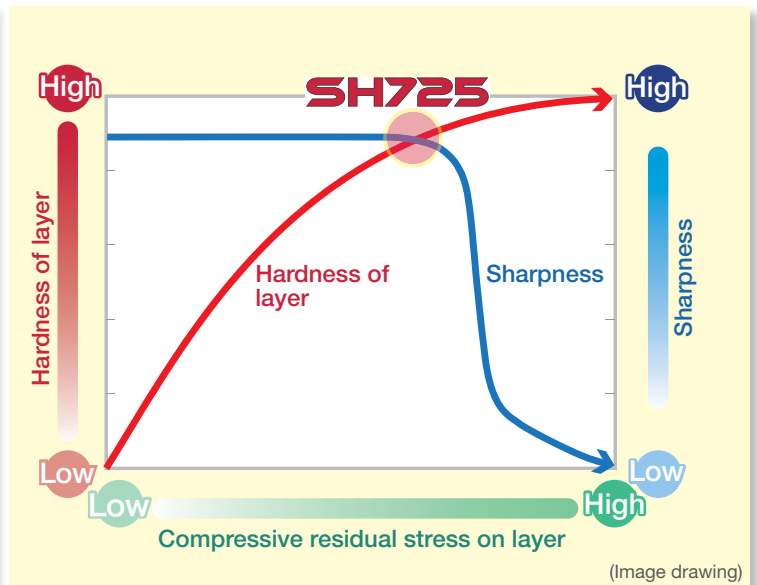
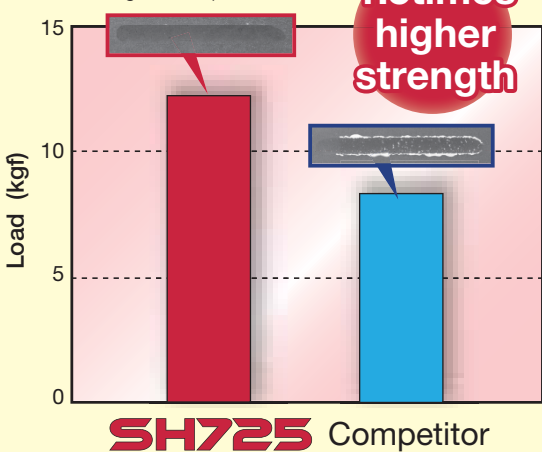
Latest coating technology is effectively applied.

Hard layer is coated on the sharp cutting edge

Optimized condition provides the high hardness and sharpness

Comparison in scratch-test

(Picture show the peeling-off at the highest load)



(Image drawing)

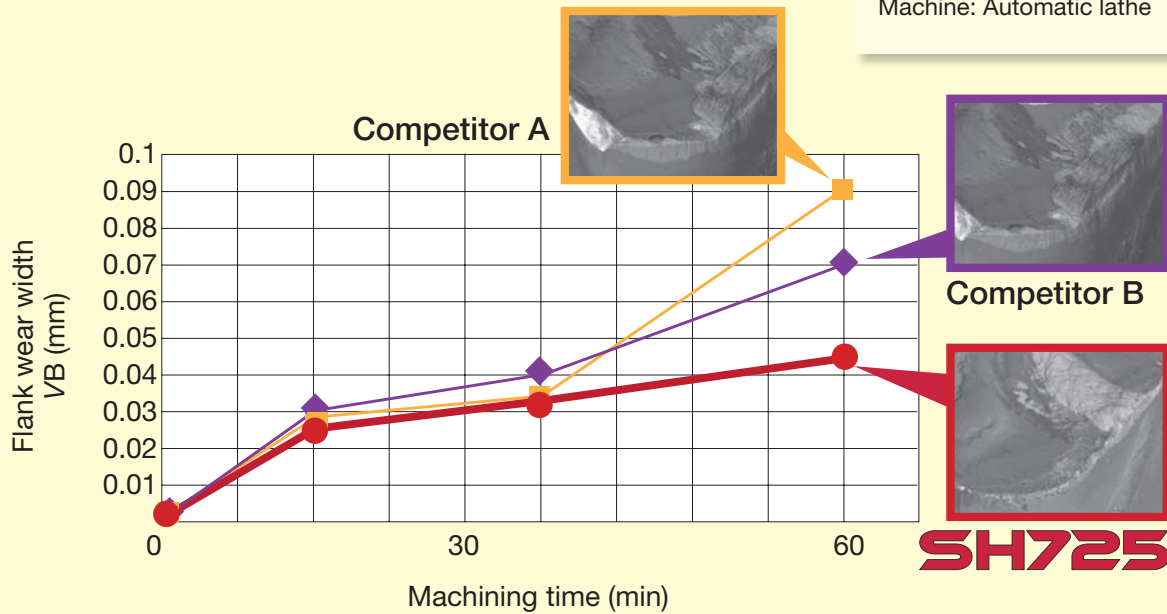
● Cutting performance

■ External continuous cutting

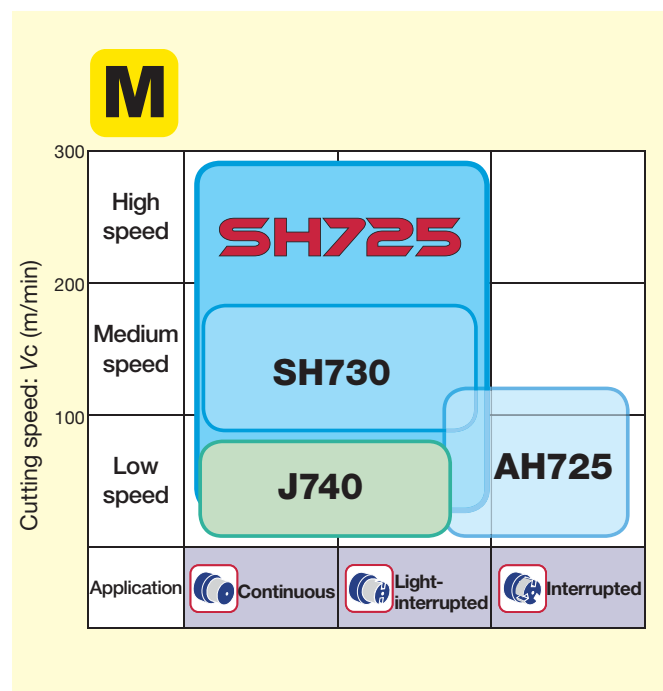
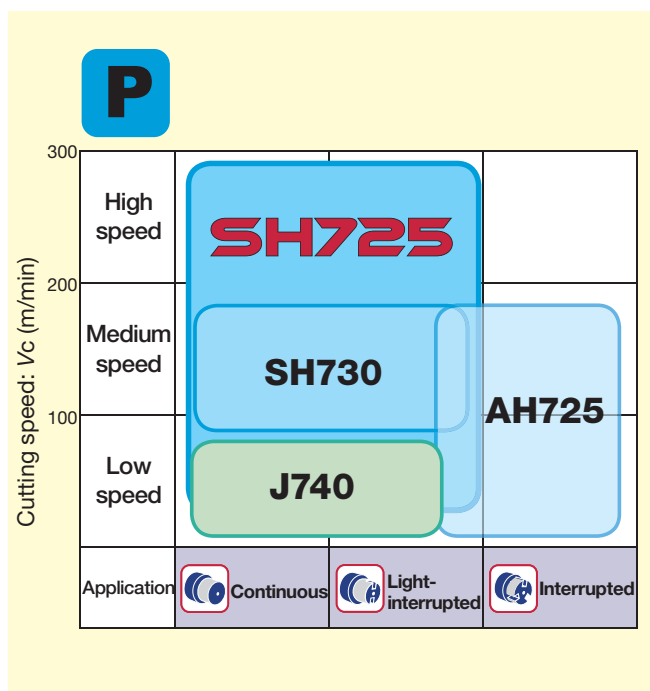
P Carbon steel
(S45C / C45)

High adhesion strength provides
excellent wear resistance

Workpiece material: S45C / C45
(180HB)
Cutting speed: $V_c = 150$ m/min
Depth of Cut: $a_p = 0.5$ mm
Feed: $f = 0.05$ mm/rev
Coolant: Oil
Machine: Automatic lathe



● Application range



Inserts

55° Rhombic

Application	Chipbreaker	$f - a_p$	Cat. No.	Grades	Dimensions (mm)			
	Appearance (Cross section)			Coated	I.C. dia.	Thick- ness	Hole dia.	Corner radius
				SH725	ϕd	s	ϕd_1	r_E
Finishing (External, sharp edge)	JRP 		DXGU070301MFRE-JRP DXGU070301MFLE-JRP DXGU070302MFRE-JRP DXGU070302MFLE-JRP	●	6.35	3.18	2.7	< 0.1*
				●	6.35	3.18	2.7	< 0.1*
				●	6.35	3.18	2.7	< 0.2*
				●	6.35	3.18	2.7	< 0.2*
Finishing to medium cutting (External, sharp edge)	JTS 		DXGU070301MFR-JTS DXGU070301MFL-JTS DXGU070302MFR-JTS DXGU070302MFL-JTS	●	6.35	3.18	2.7	< 0.1*
				●	6.35	3.18	2.7	< 0.1*
				●	6.35	3.18	2.7	< 0.2*
				●	6.35	3.18	2.7	< 0.2*
Finishing (Low cutting force) (External, sharp edge)	JSS 		DXGU070301MFR-JSS DXGU070301MFL-JSS DXGU070302MFR-JSS DXGU070302MFL-JSS	●	6.35	3.18	2.7	< 0.1*
				●	6.35	3.18	2.7	< 0.1*
				●	6.35	3.18	2.7	< 0.2*
				●	6.35	3.18	2.7	< 0.2*

35° Rhombic

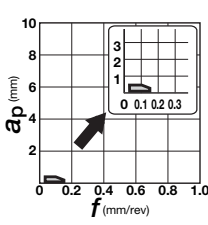
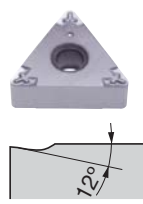
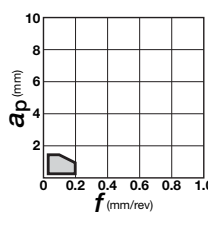
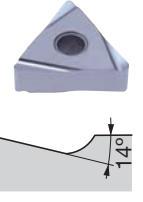
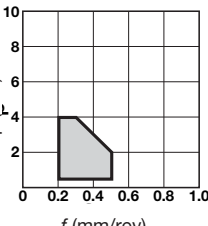

Application	Chipbreaker	$f - a_p$	Cat. No.	Grades	Dimensions (mm)			
	Appearance (Cross section)			Coated	I.C. dia.	Thick- ness	Hole dia.	Corner radius
				SH725	ϕd	s	ϕd_1	r_E
Finishing (External, sharp edge)	JRP 		VXGU09T201MFRE-JRP VXGU09T201MFLE-JRP VXGU09T202MFRE-JRP VXGU09T202MFLE-JRP	●	5.56	2.78	2.5	< 0.1*
				●	5.56	2.78	2.5	< 0.1*
				●	5.56	2.78	2.5	< 0.2*
				●	5.56	2.78	2.5	< 0.2*

80° Trigon

Application	Chipbreaker	$f - a_p$	Cat. No.	Grades	Dimensions (mm)			
	Appearance (Cross section)			Coated	I.C. dia.	Thick- ness	Hole dia.	Corner radius
				SH725	ϕd	s	ϕd_1	r_E
Finishing to medium cutting (External, sharp edge)	JTS 		WXGU040301MFR-JTS WXGU040301MFL-JTS WXGU040302MFR-JTS WXGU040302MFL-JTS	●	6.35	3.18	2.7	< 0.1*
				●	6.35	3.18	2.7	< 0.1*
				●	6.35	3.18	2.7	< 0.2*
				●	6.35	3.18	2.7	< 0.2*
Finishing (Low cutting force) (External, sharp edge)	JSS 		WXGU040301MFR-JSS WXGU040301MFL-JSS WXGU040302MFR-JSS WXGU040302MFL-JSS	●	6.35	3.18	2.7	< 0.1*
				●	6.35	3.18	2.7	< 0.1*
				●	6.35	3.18	2.7	< 0.2*
				●	6.35	3.18	2.7	< 0.2*

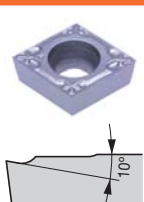
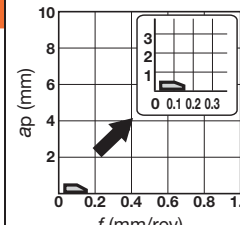
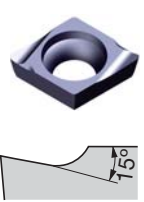
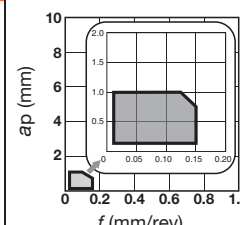
* JRP, JTS and TSS have minus tolerance of corner radius.

60° Triangular, negative

Application	Chipbreaker	$f - a_p$	Cat. No.	Grades	Dimensions (mm)				
	Appearance (Cross section)			Coated	I.C. dia.	Thick- ness	Hole dia.	Corner radius	
				SH725	ϕd	s	ϕd_1	r_E	
Precision finishing (External, sharp edge)	O1		TNGG160402F-01	●	9.525	4.76	3.81	0.2	
			TNGG160404F-01	●	9.525	4.76	3.81	0.4	
			* TNGG160408F-01	●	9.525	4.76	3.81	0.8	
	Medium cutting (External, sharp edge)	W		TNGG160402FR-W	●	9.525	4.76	3.81	0.2
				TNGG160402FL-W	●	9.525	4.76	3.81	0.2
TNGG160404FR-W				●	9.525	4.76	3.81	0.4	
TNGG160404FL-W				●	9.525	4.76	3.81	0.4	
			* TNGG160408FR-W	●	9.525	4.76	3.81	0.8	
			TNGG160408FL-W	●	9.525	4.76	3.81	0.8	
Medium cutting (External, sharp edge)	P		TNGG160402FR-P	●	9.525	4.76	3.81	0.2	
			TNGG160402FL-P	●	9.525	4.76	3.81	0.2	
			TNGG160404FR-P	●	9.525	4.76	3.81	0.4	
			TNGG160404FL-P	●	9.525	4.76	3.81	0.4	
			* TNGG160408FR-P	●	9.525	4.76	3.81	0.8	
			TNGG160408FL-P	●	9.525	4.76	3.81	0.8	

Note: Chipbreaker Cross section is marked * next to the Cat. No.


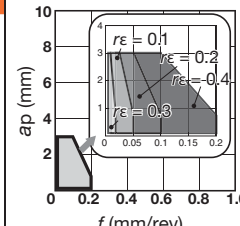
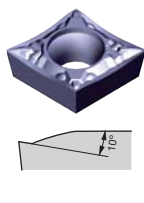
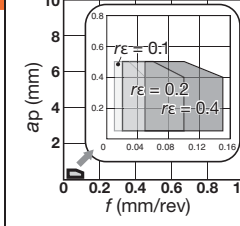
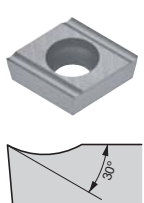
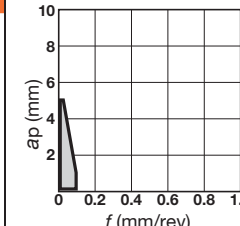
80° Rhombic, 7° Positive

Application	Chipbreaker	$f - a_p$	Cat. No.	Grades	Dimensions (mm)			
	Appearance (Cross section)			Coated	I.C. dia.	Thick-ness	Hole dia.	Corner radius
				SH725	ϕd	s	ϕd_1	r_E
Precision finishing (External, sharp edge)	01 			●	6.35	2.38	2.8	0.2
				●	6.35	2.38	2.8	0.4
				●	9.525	3.97	4.4	0.2
Finishing (Internal, sharp edge)	W08 			●	3.97	1.39	1.9	0.03
				●	3.97	1.39	1.9	0.03
				●	3.97	1.39	1.9	0.1
				●	3.97	1.39	1.9	0.1
				●	3.97	1.39	1.9	0.2
				●	3.97	1.39	1.9	0.2
				●	3.97	1.39	1.9	0.4
				●	3.97	1.39	1.9	0.4
				●	4.76	1.79	2.3	0.03
				●	4.76	1.79	2.3	0.03
				●	4.76	1.79	2.3	0.1
				●	4.76	1.79	2.3	0.1
				●	4.76	1.79	2.3	0.2
				●	4.76	1.79	2.3	0.2
				●	4.76	1.79	2.3	0.4
				●	4.76	1.79	2.3	0.4

Note: Chipbreaker Cross section is marked * next to the Cat. No.

● : Stocked items

80° Rhombic, 7° Positive

Application	Chipbreaker	$f - a_p$	Cat. No.	Grades	Dimensions (mm)			
	Appearance (Cross section)			Coated	I.C. dia.	Thick- ness	Hole dia.	Corner radius
				SH725	ϕd	s	ϕd_1	r_ϵ
Finishing (Internal, External, sharp edge)	JS 		CCGT03X101F-JS	●	3.57	1.39	1.9	0.1
			CCGT03X102F-JS	●	3.57	1.39	1.9	0.2
			CCGT03X104F-JS	●	3.57	1.39	1.9	0.4
			* CCGT04T101F-JS	●	4.37	1.79	2.3	0.1
			CCGT04T102F-JS	●	4.37	1.79	2.3	0.2
			CCGT04T104F-JS	●	4.37	1.79	2.3	0.4
Finishing (Internal, sharp edge)	JS 		CCGT060200FN-JS	●	6.35	2.38	2.8	0.03
			CCGT060201FN-JS	●	6.35	2.38	2.8	0.1
			CCGT060202FN-JS	●	6.35	2.38	2.8	0.2
			CCGT060204FN-JS	●	6.35	2.38	2.8	0.4
			* CCGT09T300FN-JS	●	9.525	3.97	4.4	0.03
			CCGT09T301FN-JS	●	9.525	3.97	4.4	0.1
Finishing to medium cutting (External, sharp edge)	J10 		CCGT060200FR-J10	●	6.35	2.38	2.8	0.03
			CCGT060200FL-J10	●	6.35	2.38	2.8	0.03
			* CCGT060201FR-J10	●	6.35	2.38	2.8	0.1
			CCGT060201FL-J10	●	6.35	2.38	2.8	0.1
			CCGT060202FR-J10	●	6.35	2.38	2.8	0.2
			CCGT060202FL-J10	●	6.35	2.38	2.8	0.2
			CCGT09T300FR-J10	●	9.525	3.97	4.4	0.03
			CCGT09T300FL-J10	●	9.525	3.97	4.4	0.03
			CCGT09T301FR-J10	●	9.525	3.97	4.4	0.1
			CCGT09T301FL-J10	●	9.525	3.97	4.4	0.1
			CCGT09T302FR-J10	●	9.525	3.97	4.4	0.2
			CCGT09T302FL-J10	●	9.525	3.97	4.4	0.2
CCGT09T304FR-J10	●	9.525	3.97	4.4	0.4			

Note: Chipbreaker Cross section is marked * next to the Cat. No.

● : Stocked items

55° Rhombic, 7° Positive

Application	Chipbreaker	$f - a_p$	Cat. No.	Grades	Dimensions (mm)			
	Appearance (Cross section)			Coated	I.C. dia.	Thick-ness	Hole dia.	Corner radius
				SH725	ϕd	s	ϕd_1	r_ϵ
Precision finishing (External, sharp edge)	01		DCGT070202F-01	●	6.35	2.38	2.8	0.2
	*DCGT11T302F-01		●	9.525	3.97	4.4	0.2	
Finishing (External, sharp edge)	JRP		DCET0702008MFR-JRP	●	6.35	2.38	2.8	< 0.08*
			DCET0702008MFL-JRP	●	6.35	2.38	2.8	< 0.08*
			DCET070201MFR-JRP	●	6.35	2.38	2.8	< 0.1*
			DCET070201MFL-JRP	●	6.35	2.38	2.8	< 0.1*
			DCET0702018MFR-JRP	●	6.35	2.38	2.8	< 0.18*
			DCET0702018MFL-JRP	●	6.35	2.38	2.8	< 0.18*
			DCET070202MFR-JRP	●	6.35	2.38	2.8	< 0.2*
			DCET070202MFL-JRP	●	6.35	2.38	2.8	< 0.2*
			DCET11T3008MFR-JRP	●	9.525	3.97	4.4	< 0.08*
			DCET11T3008MFL-JRP	●	9.525	3.97	4.4	< 0.08*
			DCET11T301MFR-JRP	●	9.525	3.97	4.4	< 0.1*
			DCET11T301MFL-JRP	●	9.525	3.97	4.4	< 0.1*
	DCET11T3018MFR-JRP	●	9.525	3.97	4.4	< 0.18*		
	DCET11T3018MFL-JRP	●	9.525	3.97	4.4	< 0.18*		
	DCET11T302MFR-JRP	●	9.525	3.97	4.4	< 0.2		
	DCET11T302MFL-JRP	●	9.525	3.97	4.4	< 0.2*		
	JPP		DCET0702008MFR-JPP	●	6.35	2.38	2.8	< 0.08*
			DCET0702008MFL-JPP	●	6.35	2.38	2.8	< 0.08*
			DCET070201MFR-JPP	●	6.35	2.38	2.8	< 0.1*
			DCET070201MFL-JPP	●	6.35	2.38	2.8	< 0.1*
			DCET0702018MFR-JPP	●	6.35	2.38	2.8	< 0.18*
			DCET0702018MFL-JPP	●	6.35	2.38	2.8	< 0.18*
			DCET070202MFR-JPP	●	6.35	2.38	2.8	< 0.2*
			DCET070202MFL-JPP	●	6.35	2.38	2.8	< 0.2*
DCET11T3008MFR-JPP			●	9.525	3.97	4.4	< 0.08*	
DCET11T3008MFL-JPP			●	9.525	3.97	4.4	< 0.08*	
DCET11T301MFR-JPP			●	9.525	3.97	4.4	< 0.1*	
DCET11T301MFL-JPP			●	9.525	3.97	4.4	< 0.1*	
DCET11T3018MFR-JPP	●	9.525	3.97	4.4	< 0.18*			
DCET11T3018MFL-JPP	●	9.525	3.97	4.4	< 0.18*			
DCET11T302MFR-JPP	●	9.525	3.97	4.4	< 0.2			
DCET11T302MFL-JPP	●	9.525	3.97	4.4	< 0.2*			

* Minus tolerance of corner radius.

Note: Chipbreaker Cross section is marked * next to the Cat. No.

● : Stocked items

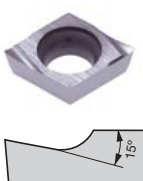
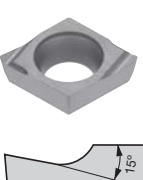
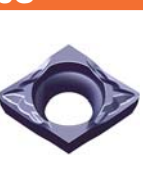
55° Rhombic, 7° Positive

Application	Chipbreaker	$f - a_p$	Cat. No.	Grades	Dimensions (mm)			
	Appearance (Cross section)			Coated	I.C. dia.	Thick- ness s	Hole dia.	Corner radius r_E
				SH725	ϕd		ϕd_1	
Finishing (External, sharp edge)	JSP		DCET0702008MFN-JSP	●	6.35	2.38	2.8	< 0.08*
	DCET0702010MFN-JSP		●	6.35	2.38	2.8	< 0.1*	
	DCET0702018MFN-JSP		●	6.35	2.38	2.8	< 0.18*	
	DCET070202MFN-JSP		●	6.35	2.38	2.8	< 0.2*	
	DCET11T3008MFN-JSP		●	9.525	3.97	4.4	< 0.08*	
	DCET11T3010MFN-JSP		●	9.525	3.97	4.4	< 0.18*	
	DCET11T3018MFN-JSP		●	9.525	3.97	4.4	< 0.1*	
	DCET11T302MFN-JSP		●	9.525	3.97	4.4	< 0.2	
Finishing to medium cutting (External, sharp edge)	JS		DCGT070200FN-JS	●	6.35	2.38	2.8	0.03
	DCGT070201FN-JS		●	6.35	2.38	2.8	0.1	
	DCGT070202FN-JS		●	6.35	2.38	2.8	0.2	
	DCGT11T300FN-JS		●	6.35	2.38	2.8	0.03	
	*DCGT11T301FN-JS		●	9.525	3.97	4.4	0.1	
	DCGT11T302FN-JS		●	9.525	3.97	4.4	0.2	
	DCGT11T304FN-JS		●	9.525	3.97	4.4	0.4	
Finishing to medium cutting (External, sharp edge)	J10		DCGT070200FR-J10	●	6.35	2.38	2.8	0.03
	DCGT070200FL-J10		●	6.35	2.38	2.8	0.03	
	*DCGT070201FR-J10		●	6.35	2.38	2.8	0.1	
	DCGT070201FL-J10		●	6.35	2.38	2.8	0.1	
	DCGT070202FR-J10		●	6.35	2.38	2.8	0.2	
	DCGT070202FL-J10		●	6.35	2.38	2.8	0.2	
	DCGT070204FR-J10		●	6.35	2.38	2.8	0.4	
	DCGT070204FL-J10		●	6.35	2.38	2.8	0.4	
	DCGT11T300FR-J10		●	9.525	3.97	4.4	0.03	
	DCGT11T300FL-J10		●	9.525	3.97	4.4	0.03	
	DCGT11T301FR-J10		●	9.525	3.97	4.4	0.1	
	DCGT11T301FL-J10		●	9.525	3.97	4.4	0.1	
	DCGT11T302FR-J10		●	9.525	3.97	4.4	0.2	
DCGT11T302FL-J10	●	9.525	3.97	4.4	0.2			

Note: Chipbreaker Cross section is marked * next to the Cat. No.

● : Stocked items

75° Rhombic, 11° Positive

Application	Chipbreaker	$f - a_p$	Cat. No.	Grades	Dimensions (mm)			
	Appearance (Cross section)			Coated	I.C. dia.	Thick- ness	Hole dia.	Corner radius
				SH725	ϕd	s	ϕd_1	r_E
Finishing (Internal, sharp edge)	W08		EPGT03X100FR-W08	●	3.57	1.39	1.9	0.03
	EPGT03X100FL-W08		●	3.57	1.39	1.9	0.03	
	EPGT03X101FR-W08		●	3.57	1.39	1.9	0.1	
	EPGT03X101FL-W08		●	3.57	1.39	1.9	0.1	
	EPGT03X102FR-W08		●	3.57	1.39	1.9	0.2	
	EPGT03X102FL-W08		●	3.57	1.39	1.9	0.2	
	*EPGT03X104FR-W08		●	3.57	1.39	1.9	0.4	
	EPGT03X104FL-W08		●	3.57	1.39	1.9	0.4	
	EPGT040100FR-W08		●	4.37	1.59	2.3	0.03	
	EPGT040100FL-W08		●	4.37	1.59	2.3	0.03	
	EPGT040101FR-W08		●	4.37	1.59	2.3	0.1	
	EPGT040101FL-W08		●	4.37	1.59	2.3	0.1	
	EPGT040102FR-W08		●	4.37	1.59	2.3	0.2	
	EPGT040102FL-W08		●	4.37	1.59	2.3	0.2	
	EPGT040104FR-W08		●	4.37	1.59	2.3	0.4	
	EPGT040104FL-W08	●	4.37	1.59	2.3	0.4		
	J08		EPGT040100FL-J08	●	4.37	1.59	2.3	0.03
	EPGT040102FL-J08		●	4.37	1.59	2.3	0.2	
	EPGT040104FL-J08		●	4.37	1.59	2.3	0.4	
	JS		EPGT03X101F-JS	●	3.57	1.39	1.9	0.1
	EPGT03X102F-JS		●	3.57	1.39	1.9	0.2	
	EPGT03X104F-JS		●	3.57	1.39	1.9	0.4	
	*EPGT040101F-JS		●	4.37	1.59	2.3	0.1	
	EPGT040102F-JS		●	4.37	1.59	2.3	0.2	
	EPGT040104F-JS		●	4.37	1.59	2.3	0.4	

Note: Chipbreaker Cross section is marked * next to the Cat. No.

● : Stocked items

60° Triangular, 7° positive

Application	Chipbreaker	$f - a_p$	Cat. No.	Grades	Dimensions (mm)			
	Appearance (Cross section)			Coated	I.C. dia. ϕd	Thick- ness s	Hole dia. ϕd_1	Corner radius r_E
				SH725				
Precision finishing (External, sharp edge)	01		*TCGT110202F-01	●	6.35	2.38	2.8	0.2
Finishing to medium cutting (External, sharp edge)	JS		TCGT110200FN-JS	●	6.35	2.38	2.8	0.03
			*TCGT110201FN-JS	●	6.35	2.38	2.8	0.1
			TCGT110202FN-JS	●	6.35	2.38	2.8	0.2
			TCGT110204FN-JS	●	6.35	2.38	2.8	0.4
	J08		*TCGT080200FR-J08	●	4.76	2.38	2.3	0.03
			TCGT080200FL-J08	●	4.76	2.38	2.3	0.03
			TCGT080201FR-J08	●	4.76	2.38	2.3	0.1
			TCGT080201FL-J08	●	4.76	2.38	2.3	0.1
			TCGT080202FR-J08	●	4.76	2.38	2.3	0.2
			TCGT080202FL-J08	●	4.76	2.38	2.3	0.2
			TCGT080204FR-J08	●	4.76	2.38	2.3	0.4
	J10		*TCGT110200FR-J10	●	6.35	2.38	2.8	0.03
			TCGT110200FL-J10	●	6.35	2.38	2.8	0.03
			TCGT110201FR-J10	●	6.35	2.38	2.8	0.1
			TCGT110201FL-J10	●	6.35	2.38	2.8	0.1
			TCGT110202FR-J10	●	6.35	2.38	2.8	0.2
			TCGT110202FL-J10	●	6.35	2.38	2.8	0.2
			TCGT110204FR-J10	●	6.35	2.38	2.8	0.4
			TCGT110300FR-J10	●	6.35	2.38	2.8	0.03
			TCGT110300FL-J10	●	6.35	2.38	2.8	0.03
		TCGT110301FR-J10	●	6.35	2.38	2.8	0.1	
		TCGT110301FL-J10	●	6.35	2.38	2.8	0.1	
		TCGT110302FR-J10	●	6.35	2.38	2.8	0.2	
		TCGT110302FL-J10	●	6.35	2.38	2.8	0.2	

Note: Chipbreaker Cross section is marked * next to the Cat. No.

● : Stocked items

60° Triangular, 11° positive

Application	Chipbreaker	$f - a_p$	Cat. No.	Grades	Dimensions (mm)			
	Appearance (Cross section)			Coated	I.C. dia.	Thick- ness	Hole dia.	Corner radius
				SH725	ϕd	s	ϕd_1	r_E
Finishing (Internal, sharp edge)	W08		*TPGT070100FR-W08	●	4.37	1.59	2.58	0.03
			TPGT070100FL-W08	●	4.37	1.59	2.58	0.03
			TPGT070101FR-W08	●	4.37	1.59	2.58	0.1
			TPGT070101FL-W08	●	4.37	1.59	2.58	0.1
			TPGT070102FR-W08	●	4.37	1.59	2.58	0.2
			TPGT070102FL-W08	●	4.37	1.59	2.58	0.2
			TPGT070104FR-W08	●	4.37	1.59	2.58	0.4
			TPGT070104FL-W08	●	4.37	1.59	2.58	0.4
	JS		*TPGT070101F-JS	●	4.37	1.59	2.58	0.1
	TPGT070102F-JS		●	4.37	1.59	2.58	0.2	
	TPGT070104F-JS		●	4.37	1.59	2.58	0.4	

80° Trigon, 5° positive

Application	Chipbreaker	$f - a_p$	Cat. No.	Grades	Dimensions (mm)			
	Appearance (Cross section)			Coated	I.C. dia.	Thick- ness	Hole dia.	Corner radius
				SH725	ϕd	s	ϕd_1	r_E
Finishing (Internal, sharp edge)	W08		WBG030100FR-W08	●	5.56	1.59	2.3	0.03
			WBG030100FL-W08	●	5.56	1.59	2.3	0.03
			WBG030101FR-W08	●	5.56	1.59	2.3	0.1
			WBG030101FL-W08	●	5.56	1.59	2.3	0.1
			*WBG030102FR-W08	●	5.56	1.59	2.3	0.2
			WBG030102FL-W08	●	5.56	1.59	2.3	0.2
			WBG030104FR-W08	●	5.56	1.59	2.3	0.4
			WBG030104FL-W08	●	5.56	1.59	2.3	0.4
	JS		*WBG030101FR-JS	●	5.56	1.59	2.3	0.1
	WBG030101FL-JS		●	5.56	1.59	2.3	0.1	
	WBG030102FR-JS		●	5.56	1.59	2.3	0.2	
	WBG030102FL-JS		●	5.56	1.59	2.3	0.2	
	WBG030104FR-JS		●	5.56	1.59	2.3	0.4	
	WBG030104FL-JS		●	5.56	1.59	2.3	0.4	

Note: Chipbreaker Cross section is marked * next to the Cat. No.

● : Stocked items

35° Rhombic, 5° Positive

Application	Chipbreaker	$f - a_p$	Cat. No.	Grades	Dimensions (mm)			
	Appearance (Cross section)			Coated	I.C. dia.	Thick-ness	Hole dia.	Corner radius
				SH725	ϕd	s	ϕd_1	r_E
Finishing to medium cutting (External, sharp edge)	JS 		VBGT110300FN-JS	●	6.4	3.18	2.8	0.03
			*VBGT110301FN-JS	●	6.4	3.18	2.8	0.1
			VBGT110302FN-JS	●	6.4	3.18	2.8	0.2
			VBGT110304FN-JS	●	6.4	3.18	2.8	0.4
	J10 		VBGT110300FR-J10	●	6.4	3.18	2.8	0.03
			VBGT110300FL-J10	●	6.4	3.18	2.8	0.03
			*VBGT110301FR-J10	●	6.4	3.18	2.8	0.1
			VBGT110301FL-J10	●	6.4	3.18	2.8	0.1
			VBGT110302FR-J10	●	6.4	3.18	2.8	0.2
			VBGT110302FL-J10	●	6.4	3.18	2.8	0.2
			VBGT110304FR-J10	●	6.4	3.18	2.8	0.4
			VBGT110304FL-J10	●	6.4	3.18	2.8	0.4

35° Rhombic, 11° Positive

Application	Chipbreaker	$f - a_p$	Cat. No.	Grades	Dimensions (mm)			
	Appearance (Cross section)			Coated	I.C. dia.	Thick-ness	Hole dia.	Corner radius
				SH725	ϕd	s	ϕd_1	r_E
Finishing (External, sharp edge)	JRP 		VPET0802008MFR-JRP	●	4.76	2.38	2.3	< 0.08*
			VPET0802008MFL-JRP	●	4.76	2.38	2.3	< 0.08*
			VPET080201MFR-JRP	●	4.76	2.38	2.3	< 0.1*
			VPET080201MFL-JRP	●	4.76	2.38	2.3	< 0.1*
			VPET0802018MFR-JRP	●	4.76	2.38	2.3	< 0.18*
			VPET0802018MFL-JRP	●	4.76	2.38	2.3	< 0.18*
			VPET080202MFR-JRP	●	4.76	2.38	2.3	< 0.2*
			VPET080202MFL-JRP	●	4.76	2.38	2.3	< 0.2*
			VPET1103008MFR-JRP	●	6.35	3.18	2.8	< 0.08*
			VPET1103008MFL-JRP	●	6.35	3.18	2.8	< 0.08*
			VPET110301MFR-JRP	●	6.35	3.18	2.8	< 0.1*
			VPET110301MFL-JRP	●	6.35	3.18	2.8	< 0.1*
			VPET1103018MFR-JRP	●	6.35	3.18	2.8	< 0.18*
			VPET1103018MFL-JRP	●	6.35	3.18	2.8	< 0.18*
			VPET110302MFR-JRP	●	6.35	3.18	2.8	< 0.2
			VPET110302MFL-JRP	●	6.35	3.18	2.8	< 0.2*

* Minus tolerance of corner radius.

Note: Chipbreaker Cross section is marked * next to the Cat. No.

35° Rhombic, 11° Positive

Application	Chipbreaker	$f - a_p$	Cat. No.	Grades	Dimensions (mm)			
	Appearance (Cross section)			Coated	I.C. dia.	Thick-ness	Hole dia.	Corner radius
				SH725	ød	s	ød1	r_ϵ
Finishing (External, sharp edge)	JPP		VPET0802008MFR-JPP	●	4.76	2.38	2.3	< 0.08*
	VPET0802008MFL-JPP		●	4.76	2.38	2.3	< 0.08*	
	VPET080201MFR-JPP		●	4.76	2.38	2.3	< 0.1*	
	VPET080201MFL-JPP		●	4.76	2.38	2.3	< 0.1*	
	VPET0802018MFR-JPP		●	4.76	2.38	2.3	< 0.18*	
	VPET0802018MFL-JPP		●	4.76	2.38	2.3	0.18*	
	VPET080202MFR-JPP		●	4.76	2.38	2.3	< 0.2*	
	VPET080202MFL-JPP		●	4.76	2.38	2.3	< 0.2*	
	VPET1103008MFR-JPP		●	6.35	3.18	2.8	< 0.08*	
	VPET1103008MFL-JPP		●	6.35	3.18	2.8	< 0.08*	
	VPET110301MFR-JPP		●	6.35	3.18	2.8	< 0.1*	
	VPET110301MFL-JPP		●	6.35	3.18	2.8	< 0.1*	
	VPET1103018MFR-JPP	●	6.35	3.18	2.8	< 0.18*		
	VPET1103018MFL-JPP	●	6.35	3.18	2.8	< 0.18*		
	VPET110302MFR-JPP	●	6.35	3.18	2.8	< 0.2		
	VPET110302MFL-JPP	●	6.35	3.18	2.8	< 0.2*		
	JSP		VPET0802008MFN-JSP	●	4.76	2.38	2.3	< 0.08*
	VPET080201MFN-JSP		●	4.76	2.38	2.3	< 0.1*	
	VPET0802018MFN-JSP		●	4.76	2.38	2.3	< 0.18*	
	VPET080202MFN-JSP		●	4.76	2.38	2.3	< 0.2*	
	VPET1103008MFN-JSP		●	6.35	3.18	2.8	< 0.08*	
	VPET110301MFN-JSP		●	6.35	3.18	2.8	< 0.1*	
	VPET1103018MFN-JSP		●	6.35	3.18	2.8	< 0.18*	
	VPET110302MFN-JSP		●	6.35	3.18	2.8	< 0.2	

* Minus tolerance of corner radius.



Back turning

Application	Chipbreaker	$f - a_p$	Cat. No.	Grades	Dimensions (mm)			
	Appearance			Coated	I.C. dia.	Thick-ness	Hole dia.	Corner radius
				SH725	ød	s	ød1	r_ϵ
Back turning (sharp edge)	JTB		JTBR3000F	●	9.438	3.18	2.5	0.03
	JTBL3000F		●	9.438	3.18	2.5	0.03	
	JTBR3005F		●	9.438	3.18	2.5	0.05	
	JTBL3005F		●	9.438	3.18	2.5	0.05	
	JTBR3010F		●	9.438	3.18	2.5	0.1	
	JTBL3010F		●	9.438	3.18	2.5	0.1	
	JTBR3015F		●	9.438	3.18	2.5	0.15	
	JTBL3015F		●	9.438	3.18	2.5	0.15	
	J10E		J10ER005BF	●	6.35	3.18	3	0.05
	J10EL005BF		●	6.35	3.18	3	0.05	
	J10ER010BF		●	6.35	3.18	3	0.1	
	J10EL010BF		●	6.35	3.18	3	0.1	
	J10ER015BF		●	6.35	3.18	3	0.15	
	J10EL015BF		●	6.35	3.18	3	0.15	

Note: Chipbreaker Cross section is marked * next to the Cat. No.


● : Stocked items

Grooving

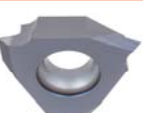
Application	Chipbreaker	Cat. No.	Grades	Dimensions (mm)					
	Appearance		Coated	I.C. dia. ød	Thick- ness s	Cutting edge width W	Max.groove depth ar	Corner radius r _E	
			SH725						
Grooving (sharp edge)	JVG 	JVGR033F	●	7.94	3.18	0.33	0.7	-	
		JVGL033F	●	7.94	3.18	0.5	0.7	-	
		JVGR050F	●	7.94	3.18	0.75	1.1	-	
		JVGL050F	●	7.94	3.18	0.95	1.1	-	
		JVGR075F	●	7.94	3.18	1	1.9	-	
		JVGL075F	●	7.94	3.18	1.25	1.9	-	
		JVGR095F	●	7.94	3.18	1.5	1.9	-	
		JVGL095F	●	7.94	3.18	2	1.9	-	
		JVGR100F	●	9.525	3.18	0.33	5.5	-	
		JVGL100F	●	9.525	3.18	0.33	5.5	-	
		JVGR125F	●	9.525	3.18	0.5	5.0	-	
		JVGL125F	●	9.525	3.18	0.5	5.0	-	
		JVGR150F	●	9.525	3.18	0.65	5.5	-	
		JVGL150F	●	9.525	3.18	0.65	5.5	-	
	JVGR200F	●	9.525	3.18	0.75	5.5	-		
	JVGL200F	●	9.525	3.18	0.75	5.5	-		
		JTG 	JTGR3033F	●	7.94	3.18	0.33	0.7	0.03
			JTGR3033F-005	●	7.94	3.18	0.33	0.7	0.05
			JTGR3050F	●	7.94	3.18	0.5	1.1	0.03
			JTGL3050F	●	7.94	3.18	0.5	1.1	0.03
			JTGR3050F-005	●	7.94	3.18	0.5	1.1	0.05
			JTGL3050F-005	●	7.94	3.18	0.5	1.1	0.05
			JTGR3065F	●	7.94	3.18	0.65	1.9	0.03
			JTGR3065F-010	●	7.94	3.18	0.65	1.9	0.1
			JTGR3075F	●	7.94	3.18	0.75	1.9	0.03
			JTGL3075F	●	7.94	3.18	0.75	1.9	0.03
			JTGR3075F-010	●	7.94	3.18	0.75	1.9	0.1
			JTGL3075F-010	●	7.94	3.18	0.75	1.9	0.1
			JTGR3080F	●	7.94	3.18	0.8	1.9	0.03
			JTGR3080F-010	●	7.94	3.18	0.8	1.9	0.1
			JTGR3085F	●	7.94	3.18	0.85	1.9	0.03
			JTGR3095F	●	7.94	3.18	0.95	1.9	0.03
			JTGL3095F	●	7.94	3.18	0.95	1.9	0.03
			JTGR3095F-010	●	7.94	3.18	0.95	1.9	0.1
			JTGL3095F-010	●	7.94	3.18	0.95	1.9	0.1
			JTGR3100F	●	7.94	3.18	1	2.1	0.05
	JTGL3100F		●	7.94	3.18	1	2.1	0.05	
	JTGR3100F-010		●	7.94	3.18	1	2.1	0.1	
	JTGL3100F-010	●	7.94	3.18	1	2.1	0.1		
	JTGR3110F	●	7.94	3.18	1.1	2.1	0.05		
	JTGR3120F	●	7.94	3.18	1.2	2.1	0.05		
	JTGR3120F-010	●	7.94	3.18	1.2	2.1	0.1		

● : Stocked items

Grooving

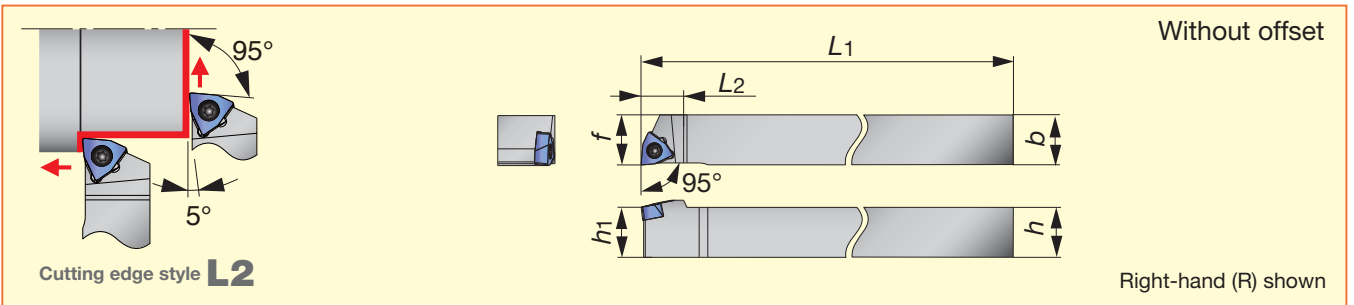
Application	Chipbreaker	Cat. No.	Grades	Dimensions (mm)				
	Appearance		Coated	I.C. dia. ød	Thick- ness s	Cutting edge width W	Max.groove depth ar	Corner radius r _E
			SH725					
Grooving (sharp edge)		JTGR3125F	●	7.94	3.18	1.25	2.1	0.05
		JTGL3125F	●	7.94	3.18	1.25	2.1	0.05
		JTGR3125F-010	●	7.94	3.18	1.25	2.1	0.1
		JTGL3125F-010	●	7.94	3.18	1.25	2.1	0.1
		JTGR3130F	●	7.94	3.18	1.3	2.1	0.05
		JTGR3140F	●	7.94	3.18	1.4	2.1	0.05
		JTGR3140F-010	●	7.94	3.18	1.4	2.1	0.1
		JTGR3145F	●	7.94	3.18	1.45	2.1	0.05
		JTGR3145F-010	●	7.94	3.18	1.45	2.1	0.1
		JTGR3150F	●	7.94	3.18	1.5	2.1	0.05
		JTGL3150F	●	7.94	3.18	1.5	2.1	0.05
		JTGR3150F-010	●	7.94	3.18	1.5	2.1	0.1
		JTGL3150F-010	●	7.94	3.18	1.5	2.1	0.1
		JTGR3175F	●	7.94	3.18	1.75	2.1	0.05
		JTGR3175F-010	●	7.94	3.18	1.75	2.1	0.1
		JTGR3180F	●	7.94	3.18	1.8	2.1	0.05
		JTGR3200F	●	7.94	3.18	2	2.6	0.05
		JTGL3200F	●	7.94	3.18	2	2.6	0.05
		JTGR3200F-010	●	7.94	3.18	2	2.6	0.1
		JTGL3200F-010	●	7.94	3.18	2	2.6	0.1
		JTGR3225F	●	7.94	3.18	2.25	2.6	0.05
		JTGR3250F	●	7.94	3.18	2.5	2.6	0.05
		JTGL3250F	●	7.94	3.18	2.5	2.6	0.05
		JTGR3250F-010	●	7.94	3.18	2.5	2.6	0.1
		JTGL3250F-010	●	7.94	3.18	2.5	2.6	0.1
		JTGR3300F	●	7.94	3.18	3	2.6	0.05
		JTGR3300F-010	●	7.94	3.18	3	2.6	0.1

Threading

Application	Chipbreaker	Cat. No.	Grades	Dimensions (mm)			
	Appearance		Coated	I.C. dia. ød	Thick- ness T	Cutting edge angle θ	Corner radius r _E
			SH725				
Threading (sharp edge)		JTTR3005F-55	●	9.525	3.18	55°	0.05
		JTTR3005F	●	9.525	3.18	60°	0.05
		JTTL3005F	●	9.525	3.18	60°	0.1
		JTTR3010F	●	9.525	3.18	60°	0.1
		JTTL3010F	●	9.525	3.18	60°	0.1

● : Stocked items

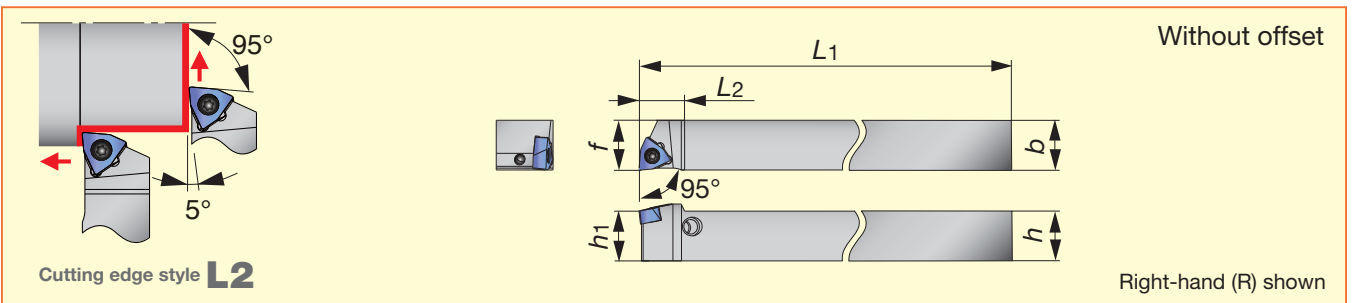
JSWL2XR/L External turning and facing JS type (Positive rake, screw-on system)



Cat. No.	Stock		Dimensions (mm)						Std. corner radius r_{ϵ}	Insert	Parts		Torque (N·m)
	R	L	h	b	L ₁	L ₂	h ₁	f			Clamping screw	Wrench	
JSWL2XR/L1010X04	●	●	10	10	120	11	10	10	0.2	WXGU0403**L/R	SR34-514	T-7F	0.9
JSWL2XR/L1212F04	●	●	12	12	85	11	12	12	0.2	WXGU0403**L/R	SR34-514	T-7F	0.9
JSWL2XR/L1212X04	●	●	12	12	120	11	12	12	0.2	WXGU0403**L/R	SR34-514	T-7F	0.9
JSWL2XR/L1616X04	●	●	16	16	120	13	16	16	0.2	WXGU0403**L/R	SR34-514	T-7F	0.9
New JSWL2XR/L2020H04	●	●	20	20	100	13	20	20	0.2	WXGU0403**L/R	SR34-514	T-7F	0.9

- ① Right-hand toolholders (R) are used with left-hand inserts (L)
- ② Left-hand toolholders (L) are used with right-hand inserts (R)

JPWL2XR/L External turning and facing JP type (Positive rake, side-clamping system)

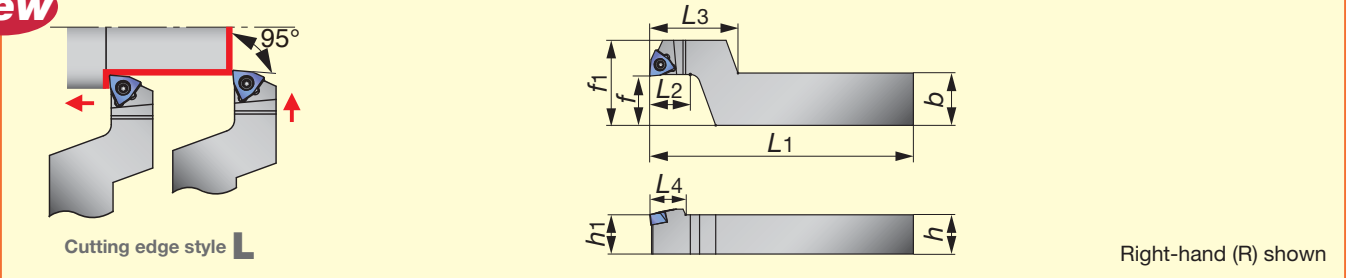


Cat. No.	Stock		Dimensions (mm)						Std. corner radius r_{ϵ}	Insert	Parts				Torque (N·m)
	R	L	h	b	L ₁	L ₂	h ₁	f			Lever	Pin	Clamping screw	Wrench	
JPWL2XR/L1010X04	●	●	10	10	120	11	10	10	0.2	WXGU0403**L/R	SLLV-2	SL-PI-2	SR10400611	HW 2.0/5 RED	0.9
JPWL2XR/L1212F04	●	●	12	12	85	11	12	12	0.2	WXGU0403**L/R	SLLV-2	SL-PI-2	SR10400611	HW 2.0/5 RED	0.9
JPWL2XR/L1212X04	●	●	12	12	120	11	12	12	0.2	WXGU0403**L/R	SLLV-2	SL-PI-2	SR10400611	HW 2.0/5 RED	0.9
JPWL2XR/L1616X04	●	●	16	16	120	13	16	16	0.2	WXGU0403**L/R	SLLV-2	SL-PI-2	SR10400611	HW 2.0/5 RED	0.9

- ① Right-hand toolholders (R) are used with left-hand inserts (L)
- ② Left-hand toolholders (L) are used with right-hand inserts (R)

JSWLXR-F External turning and facing Neck-down type (Positive rake, screw-on system)

New

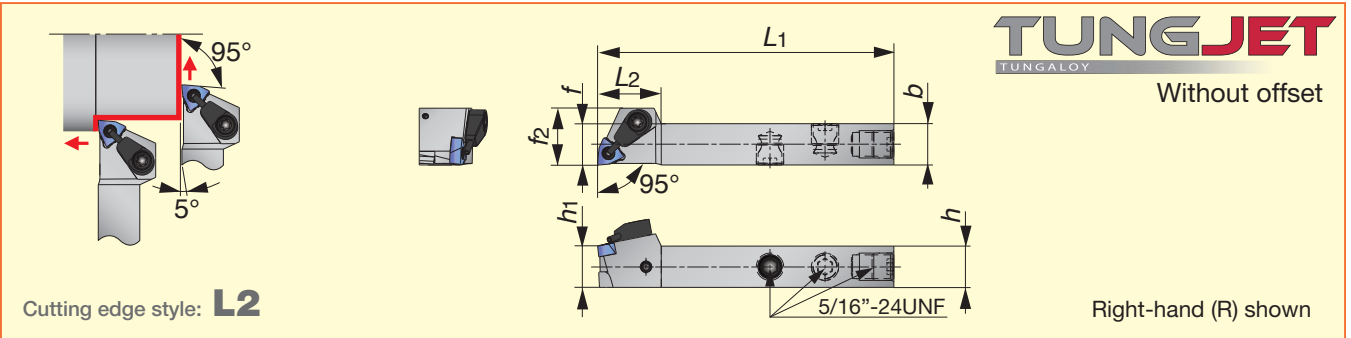


Cat. No.	Stock		Dimensions (mm)									Std. corner radius r_e	Insert	Parts		Torque (N·m)
	R	L	h	b	L ₁	L ₂	L ₃	L ₄	h ₁	f	f ₁			Clamping screw	Wrench	
JSWLXR1016X04-F15	●		10	16	120	12	27	11	10	15	26	0.2	WXGU0403**L	SR34-514	T-7F	0.9
JSWLXR1216F04-F15	●		12	16	85	12	27	11	12	15	26	0.2	WXGU0403**L	SR34-514	T-7F	0.9
JSWLXR1216X04-F15	●		12	16	120	12	27	11	12	15	26	0.2	WXGU0403**L	SR34-514	T-7F	0.9
JSWLXR1620X04-F15	●		16	20	120	12	27	11	16	15	26	0.2	WXGU0403**L	SR34-514	T-7F	0.9

① Right-hand toolholders (R) are used with left-hand inserts (L)

Works with high-pressure coolant

JSWL2XR/L-CHP External turning and facing CHP type (Positive rake, screw-on system)



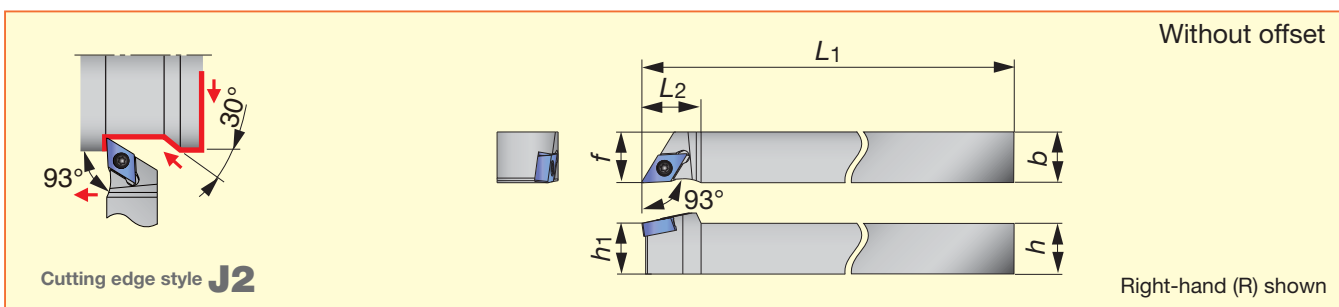
Cat. No.	Stock		Dimensions (mm)							Std. corner radius r_e	Insert	Parts		Torque (N·m)
	R	L	h	b	L ₁	L ₂	h ₁	f	f ₂			Clamping screw	Wrench	
JSWL2XR/L1212F04-CHP	●	●	12	12	85	18	12	12	16.5	0.2	WXGU0403**L/R	SR34-514	T-7F	0.9

- ① Right-hand toolholders (R) are used with left-hand inserts (L)
- ② Left-hand toolholders (L) are used with right-hand inserts (R)

TungJet parts
P49 - 50

● : Stocked items

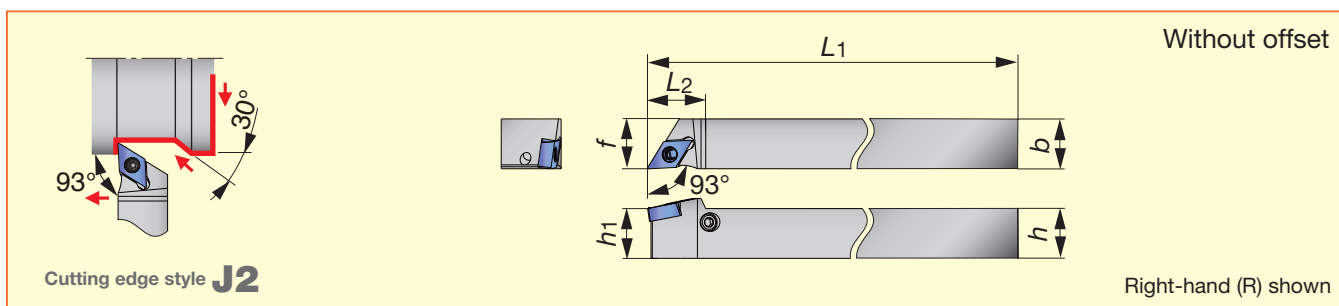
JSDJ2XR/L External turning and profiling JS type (Positive rake, screw-on system)



Cat. No.	Stock		Dimensions (mm)						Std. corner radius r_{ϵ}	Insert	Parts		Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f			Clamping screw	Wrench	
JSDJ2XR/L1010X07	●	●	10	10	120	14	10	10	0.2	DXGU0703**L/R	SR34-514	T-7F	0.9
JSDJ2XR/L1212F07	●	●	12	12	85	14	12	12	0.2	DXGU0703**L/R	SR34-514	T-7F	0.9
JSDJ2XR/L1212X07	●	●	12	12	120	14	12	12	0.2	DXGU0703**L/R	SR34-514	T-7F	0.9
JSDJ2XR/L1616X07	●	●	16	16	120	18	16	16	0.2	DXGU0703**L/R	SR34-514	T-7F	0.9
New JSDJ2XR/L2020H07	●	●	20	20	100	18	20	20	0.2	DXGU0703**L/R	SR34-514	T-7F	0.9

- ① Right-hand toolholders (R) are used with left-hand inserts (L)
- ② Left-hand toolholders (L) are used with right-hand inserts (R)

JPDJ2XR/L External turning and profiling JP type (Positive rake, side-clamping system)

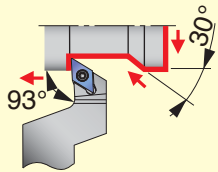


Cat. No.	Stock		Dimensions (mm)						Std. corner radius r_{ϵ}	Insert	Parts				Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f			Lever	Pin	Clamping screw	Wrench	
JPDJ2XR/L1010X07	●	●	10	10	120	14	10	10	0.2	DXGU0703**L/R	SLLV-2	SL-PI-2	SR10400611	HW 2.0/5 RED	0.9
JPDJ2XR/L1212F07	●	●	12	12	85	14	12	12	0.2	DXGU0703**L/R	SLLV-2	SL-PI-2	SR10400611	HW 2.0/5 RED	0.9
JPDJ2XR/L1212X07	●	●	12	12	120	14	12	12	0.2	DXGU0703**L/R	SLLV-2	SL-PI-2	SR10400611	HW 2.0/5 RED	0.9
JPDJ2XR/L1616X07	●	●	16	16	120	18	16	16	0.2	DXGU0703**L/R	SLLV-2	SL-PI-2	SR10400611	HW 2.0/5 RED	0.9

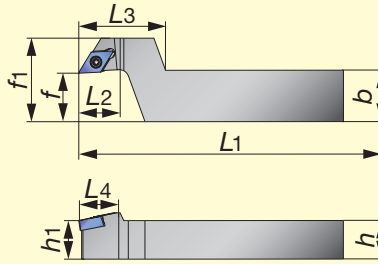
- ① Right-hand toolholders (R) are used with left-hand inserts (L)
- ② Left-hand toolholders (L) are used with right-hand inserts (R)

JSDJXR-F External turning and profiling Neck-down type (Positive rake, screw-on system)

New



Cutting edge style **J**



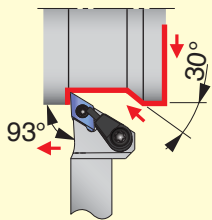
Right-hand (R) shown

Cat. No.	Stock		Dimensions (mm)									Std. corner radius r_ϵ	Insert	Parts		Torque (N·m)
	R	L	h	b	L ₁	L ₂	L ₃	L ₄	h ₁	f	f ₁			Clamping screw	Wrench	
JSDJXR1016X07-F15	●		10	16	120	12	27	14	10	15	26	0.2	DXGU0703**L	SR34-514	T-7F	0.9
JSDJXR1216F07-F15	●		12	16	85	12	27	14	12	15	26	0.2	DXGU0703**L	SR34-514	T-7F	0.9
JSDJXR1216X07-F15	●		12	16	120	12	27	14	12	15	26	0.2	DXGU0703**L	SR34-514	T-7F	0.9
JSDJXR1620X07-F15	●		16	20	120	12	27	14	16	15	26	0.2	DXGU0703**L	SR34-514	T-7F	0.9

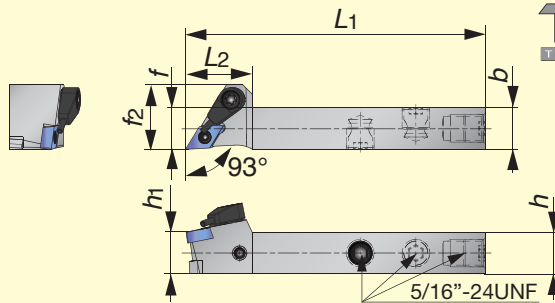
① Right-hand toolholders (R) are used with left-hand inserts (L)

Works with high-pressure coolant

JSDJ2XR/L-CHP External turning and profiling CHP type (Positive rake, screw-on system)



Cutting edge style: **J2**



TUNGJET
TUNGALOY

Without offset

Right-hand (R) shown

Cat. No	Stock		Dimensions (mm)							Std. corner radius r_ϵ	Insert	Parts		Torque (N·m)
	R	L	h	b	L ₁	L ₂	h ₁	f	f ₂			Clamping screw	Wrench	
JSDJ2XR/L1212F07-CHP	●	●	12	12	85	19	12	12	18.5	0.2	DXGU0703**L/R	SR34-514	T-7F	0.9

- ① Right-hand toolholders (R) are used with left-hand inserts (L)
- ② Left-hand toolholders (L) are used with right-hand inserts (R)

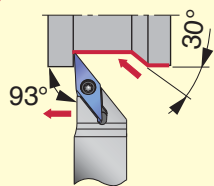
TungJet parts
P49 - 50

● : Stocked items

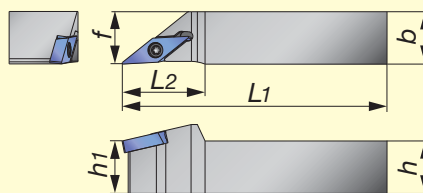
JSVJ2XR/L External turning and profiling JS type (Positive rake, screw-on system)

New

Without offset



Cutting edge style **L**



Right-hand (R) shown

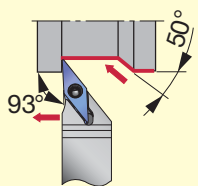
Cat. No.	Stock		Dimensions (mm)						Std. corner radius r_{ϵ}	Insert	Parts		Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f			Clamping screw	Wrench	
JSVJ2XR/L1010X09	●	●	10	10	120	17	10	10	0.2	VXGU09T2**L/R	SR34-508	T-7F	0.9
JSVJ2XR/L1212F09	●	●	12	12	85	19	12	12	0.2	VXGU09T2**L/R	SR34-508	T-7F	0.9
JSVJ2XR/L1212X09	●	●	12	12	120	19	12	12	0.2	VXGU09T2**L/R	SR34-508	T-7F	0.9
JSVJ2XR/L1616X09	●	●	16	16	120	19	16	16	0.2	VXGU09T2**L/R	SR34-508	T-7F	0.9
JSVJ2XR/L2020H09	●	●	20	20	100	19	20	20	0.2	VXGU09T2**L/R	SR34-508	T-7F	0.9

- ① Right-hand toolholders (R) are used with left-hand inserts (L)
- ② Left-hand toolholders (L) are used with right-hand inserts (R)

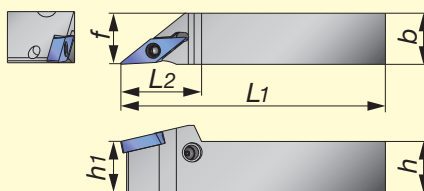
JPVJ2XR/L External turning and profiling JP type (Positive rake, side-clamping system)

New

Without offset



Cutting edge style **J**

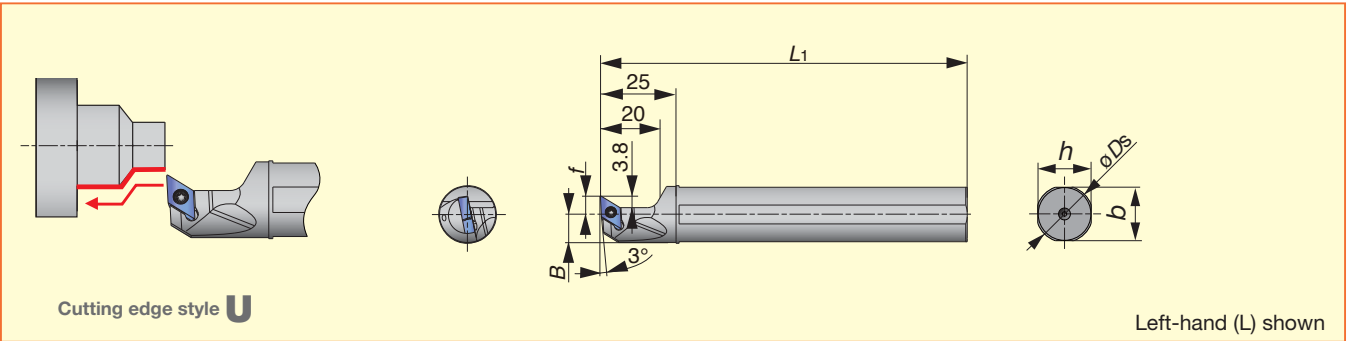


Cat. No.	Stock		Dimensions (mm)						Std. corner radius r_{ϵ}	Insert	Parts				Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f			Lever	Pin	Clamping screw	Wrench	
JPVJ2XR/L1010X09	●	●	10	10	120	19	10	10	0.2	VXGU09T2**L/R	SLLV-1	SL-PI-2	SR 10400611	HW 2.0/5 RED	0.9
JPVJ2XR/L1212F09	●	●	12	12	85	19	12	12	0.2	VXGU09T2**L/R	SLLV-1	SL-PI-2	SR 10400611	HW 2.0/5 RED	0.9
JPVJ2XR/L1212X09	●	●	12	12	120	19	12	12	0.2	VXGU09T2**L/R	SLLV-1	SL-PI-2	SR 10400611	HW 2.0/5 RED	0.9
JPVJ2XR/L1616X09	●	●	16	16	120	19	16	16	0.2	VXGU09T2**L/R	SLLV-1	SL-PI-2	SR 10400611	HW 2.0/5 RED	0.9

- ① Right-hand toolholders (R) are used with left-hand inserts (L)
- ② Left-hand toolholders (L) are used with right-hand inserts (R)

● : Stocked items

JS-SDUXL External turning and profiling JS type (Positive rake, screw-on system)

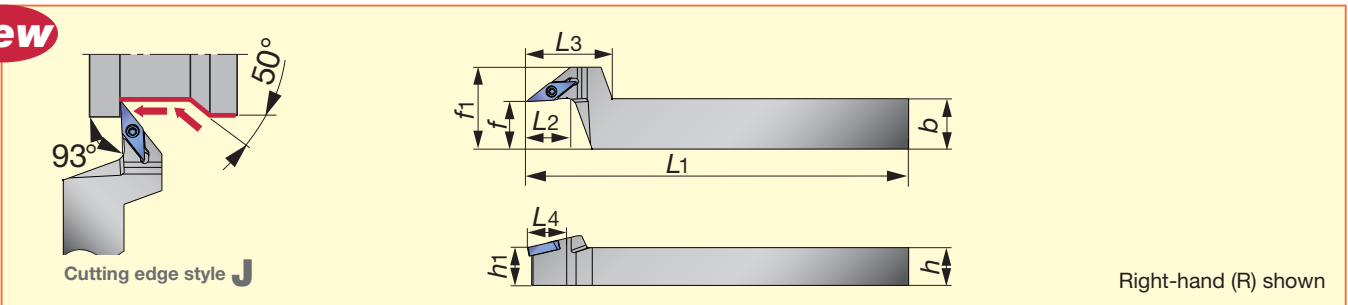


Cat. No.	Stock	Dimensions (mm)					Std. corner radius r_E	Insert	Parts		Torque (N·m)
		ϕD_s	f	L_1	h/b	B			Clamping screw	Wrench	
JS14H-SDUXL07	●	14	6	100	13	6.75	0.2	DXGU0703**L	SR34-514	T-7F	0.9
JS159F-SDUXL07	●	15.875	6	85	15	7.687	0.2	DXGU0703**L	SR34-514	T-7F	0.9
JS16F-SDUXL07	●	16	6	85	15	7.75	0.2	DXGU0703**L	SR34-514	T-7F	0.9
JS19G-SDUXL07	●	19.05	6	90	18	9.275	0.2	DXGU0703**L	SR34-514	T-7F	0.9
JS19X-SDUXL07	●	19.05	6	120	18	9.275	0.2	DXGU0703**L	SR34-514	T-7F	0.9
JS20G-SDUXL07	●	20	6	90	19	9.75	0.2	DXGU0703**L	SR34-514	T-7F	0.9
JS20X-SDUXL07	●	20	6	120	19	9.75	0.2	DXGU0703**L	SR34-514	T-7F	0.9
JS22X-SDUXL07	●	22.0	10	120	21	10.75	0.2	DXGU0703**L	SR34-514	T-7F	0.9
JS25H-SDUXL07	●	25.0	10	100	24	12.25	0.2	DXGU0703**L	SR34-514	T-7F	0.9
JS254X-SDUXL07	●	25.4	10	120	24	12.45	0.2	DXGU0703**L	SR34-514	T-7F	0.9

① Left-hand toolholders (L) are used with left-hand inserts (L)

JSVJXR-F External turning and profiling Neck-down type (Positive rake, screw-on system)

New



Cat. No.	Stock		Dimensions (mm)								Std. corner radius r_E	Insert	Parts		Torque (N·m)	
	R	L	h	b	L_1	L_2	L_3	L_4	h_1	f			f_1	Clamping screw		Wrench
JSVJXR1016X09-F15	●		10	16	120	12	27	19	10	15	26	0.2	VXGU09T2**L	SR34-508	T-7F	0.9
JSVJXR1216F09-F15	●		12	16	85	12	27	19	12	15	26	0.2	VXGU09T2**L	SR34-508	T-7F	0.9
JSVJXR1216X09-F15	●		12	16	120	12	27	19	12	15	26	0.2	VXGU09T2**L	SR34-508	T-7F	0.9
JSVJXR1620X09-F15	●		16	20	120	12	27	19	16	15	26	0.2	VXGU09T2**L	SR34-508	T-7F	0.9

① Right-hand toolholders (R) are used with left-hand inserts (L)

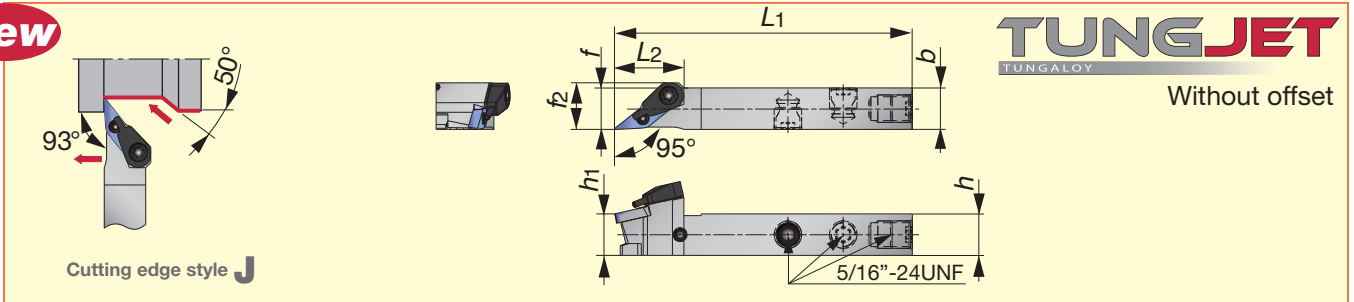
● : Stocked items

Works with high-pressure coolant

JSVJ2XR/L-CHP External turning and profiling

CHP type (Positive rake, screw-on system)

New



Cat. No	Stock		Dimensions (mm)							Std. corner radius r_{ϵ}	Insert	Parts		Torque (N·m)
	R	L	h	b	L ₁	L ₂	h ₁	f	f ₂			Clamping screw	Wrench	
JSVJ2XR/L1212F09-CHP	★	★	12	12	85	17.5	12	12	13.5	0.2	VXGU09T2**L/R	SR34-508	T-7F	0.9

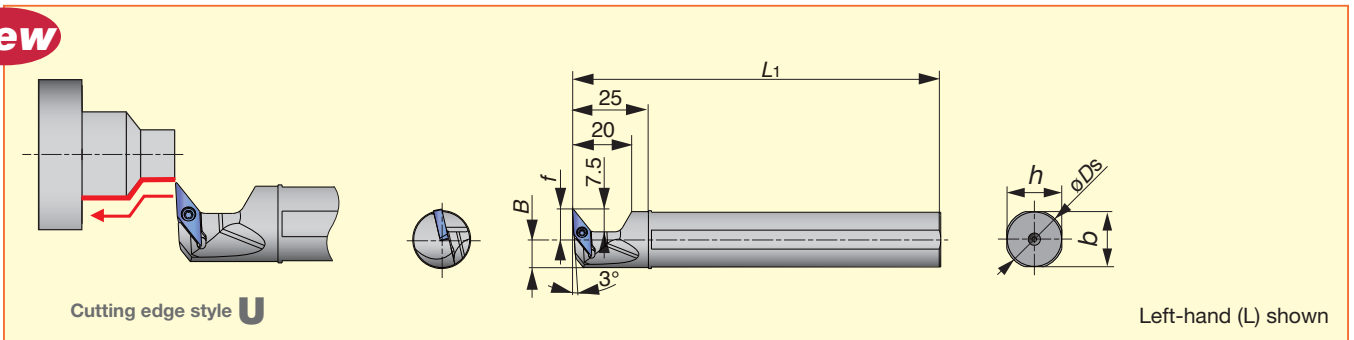
- ① Right-hand toolholders (R) are used with left-hand inserts (L)
- ② Left-hand toolholders (L) are used with right-hand inserts (R)

TungJet parts
P49 - 50

JS-SVUXL External turning and profiling

JS type (Positive rake, screw-on system)

New



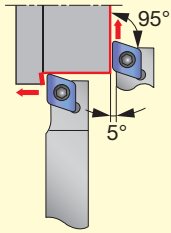
Cat. No.	Stock	Dimensions (mm)					Std. corner radius r_{ϵ}	Insert	Parts		Torque (N·m)
		ϕD_s	f	L ₁	h/b	B			Clamping screw	Wrench	
JS159F-SVUXL09	★	15.875	10	85	15	7.7	0.2	VXGU09T2**L	SR34-508	T-7F	0.9
JS16F-SVUXL09	★	16	10	85	15	7.7	0.2	VXGU09T2**L	SR34-508	T-7F	0.9
JS19G-SVUXL09	★	19.05	10	90	18	9.2	0.2	VXGU09T2**L	SR34-508	T-7F	0.9
JS19X-SVUXL09	★	19.05	10	120	18	9.2	0.2	VXGU09T2**L	SR34-508	T-7F	0.9
JS20G-SVUXL09	★	20	10	90	19	9.7	0.2	VXGU09T2**L	SR34-508	T-7F	0.9
JS20X-SVUXL09	★	20	10	120	19	9.7	0.2	VXGU09T2**L	SR34-508	T-7F	0.9
JS22X-SVUXL09	★	22	10	120	21	10.7	0.2	VXGU09T2**L	SR34-508	T-7F	0.9
JS25H-SVUXL09	★	25	10	100	24	12.2	0.2	VXGU09T2**L	SR34-508	T-7F	0.9
JS254X-SVUXL09	★	25.4	10	120	24	12.4	0.2	VXGU09T2**L	SR34-508	T-7F	0.9

- ① Left-hand toolholders (L) are used with left-hand inserts (L)

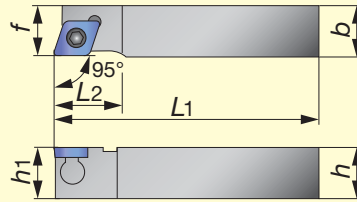
● : Stocked items
★ : Available in 2015

JTCL2CR/L External turning and facing JT type (Positive rake, back-clamping system)

Without offset



Cutting edge style **L2**

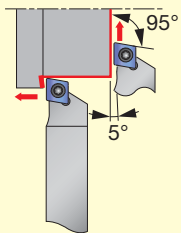


Right-hand (R) shown

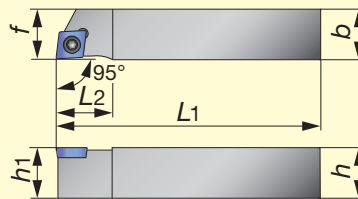
Cat. No.	Stock		Dimensions (mm)						Standard corner radius r_{ϵ}	Insert	Parts			Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f			Clamp	Clamping screw	Wrench	
JTCL2CR/L0810K06	●	●	8	10	125	12	8	10	0.4	CC**0602	JCP-2	JDS-3525	P-2F	0.9
New JTCL2CR/L1010X06	●	●	10	10	120	12	10	10	0.2	CC**0602	JCP-2	JDS-3525	P-2F	0.9
JTCL2CR/L1010K06	●	●	10	10	125	12	10	10	0.4	CC**0602	JCP-2	JDS-3525	P-2F	0.9
New JTCL2CR/L1212F09	●	●	12	12	85	16	12	12	0.2	CC**09T3	JCP-3	JDS-5040	P-2.5F	1.2
New JTCL2CR/L1212X09	●	●	12	12	120	16	12	12	0.2	CC**09T3	JCP-3	JDS-5040	P-2.5F	1.2
JTCL2CR/L1212M09	●	●	12	12	150	16	12	12	0.8	CC**09T3	JCP-3	JDS-5040	P-2.5F	1.2
New JTCL2CR/L1616X09	●	●	16	16	120	16	16	16	0.2	CC**09T3	JCP-3	JDS-5040	P-2.5F	1.2
JTCL2CR/L1616M09	●	●	16	16	125	16	16	16	0.8	CC**09T3	JCP-3	JDS-5040	P-2.5F	1.2

JSCL2CR/L External turning and facing JS type (Positive rake, screw-on system)

Without offset



Cutting edge style **L2**

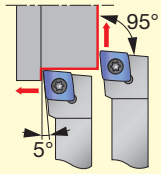


Right-hand (R) shown

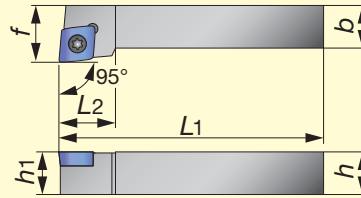
Cat. No.	Stock		Dimensions (mm)						Standard corner radius r_{ϵ}	Insert	Parts		Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f			Clamping screw	Wrench	
New JSCL2CR/L1010X06	●	●	10	10	120	12	10	10	0.2	CC**0602	CSTB-2.5	T-8F	1.2
JSCL2CR/L1010K06	●	●	10	10	125	12	10	10	0.4	CC**0602	CSTB-2.5	T-8F	1.2
New JSCL2CR/L1212F06	●	●	12	12	85	12	12	12	0.2	CC**0602	CSTB-2.5	T-8F	1.2
New JSCL2CR/L1212X06	●	●	12	12	120	12	12	12	0.2	CC**0602	CSTB-2.5	T-8F	1.2
JSCL2CR/L1212K06	●	●	12	12	125	12	12	12	0.4	CC**0602	CSTB-2.5	T-8F	1.2
New JSCL2CR/L1212F09	●	●	12	12	85	16	12	12	0.2	CC**09T3	CSTB-4SD	T-8F	1.2
New JSCL2CR/L1212X09	●	●	12	12	120	16	12	12	0.2	CC**09T3	CSTB-4SD	T-8F	1.2
New JSCL2CR/L1616X09	●	●	16	16	120	16	16	16	0.2	CC**09T3	CSTB-4SD	T-8F	1.2

● : Stocked items

JSCLCR/L External turning and facing JS type (Positive rake, screw-on system)



Cutting edge style **L**

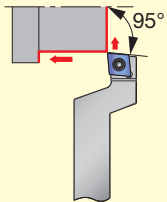


Right-hand (R) shown

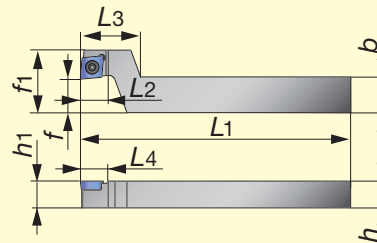
Cat. No.	Stock		Dimensions (mm)							Standard corner radius r_{ϵ}	Insert	Parts		Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f	Clamping screw			Wrench		
JSCLCR/L0808H06	●	●	8	8	100	12	8	10	0.4	CC**0602	CSTB-2.5	T-8F	1.2	
JSCLCR/L1010H06	●	●	10	10	100	12	10	12	0.4	CC**0602	CSTB-2.5	T-8F	1.2	
JSCLCR/L1212H09	●	●	12	12	100	16	12	16	0.8	CC**09T3	CSTB-4SD	T-8F	1.2	
JSCLCR/L1616H09	●	●	16	16	100	16	16	20	0.8	CC**09T3	CSTB-4SD	T-8F	1.2	

JSCLCR External turning and facing Neck-down type (Positive rake, screw-on system)

New



Cutting edge style **L**



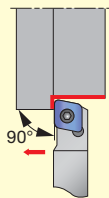
Right-hand (R) shown

Cat. No.	Stock	Dimensions (mm)										Standard corner radius r_{ϵ}	Insert	Parts		Torque (N·m)
		h	b	L_1	L_2	L_3	L_4	h_1	f	f_1	Clamping screw			Wrench		
JSCLCR1216F09-F15	★	12	16	85	12	27	12.5	12	15	28	0.2	CC**09T3**	CSTB-4SD	T-8F	1.2	
JSCLCR1216X09-F15	★	12	16	120	12	27	12.5	12	15	28	0.2	CC**09T3**	CSTB-4SD	T-8F	1.2	
JSCLCR1620X09-F15	★	16	20	120	12	27	12.5	16	15	28	0.2	CC**09T3**	CSTB-4SD	T-8F	1.2	

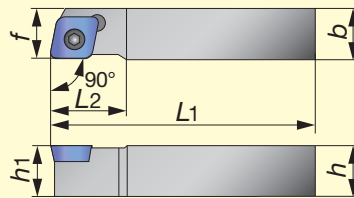
● : Stocked items
★ : Available in 2015

JSCACR/L External turning JS type (Positive rake, screw-on system)

Without offset



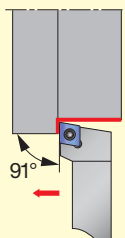
Cutting edge style **A**



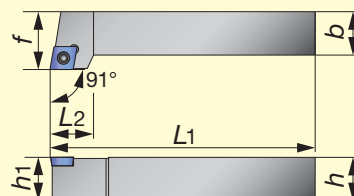
Right-hand (R) shown

Cat. No.	Stock		Dimensions (mm)						Standard corner radius r_E	Insert	Parts		Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f			Clamping screw	Wrench	
JSCACR/L0808H06	●	●	8	8	100	12	8	8	0.4	CC**0602	CSTB-2.5	T-8F	1.2
JSCACR/L1010H06	●	●	10	10	100	12	10	10	0.4	CC**0602	CSTB-2.5	T-8F	1.2
JSCACR/L1212H09	●	●	12	12	100	16	12	12	0.8	CC**09T3	CSTB-4SD	T-8F	1.2

JSCGCR/L External turning JS type (Positive rake, screw-on system)



Cutting edge style **G**



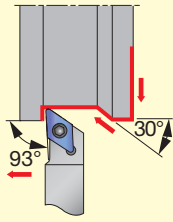
Right-hand (R) shown

Cat. No.	Stock		Dimensions (mm)						Standard corner radius r_E	Insert	Parts		Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f			Clamping screw	Wrench	
JSCGCR/L1212H06	●	●	12	12	100	12	12	16	0.4	CC**0602	CSTB-2.5	T-8F	1.2
JSCGCR/L1616H09	●	●	16	16	100	16	16	20	0.8	CC**09T3	CSTB-4SD	T-8F	1.2

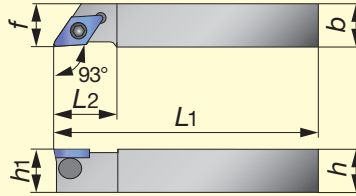
● : Stocked items

JTDJ2CR/L External turning and profiling JT type (Positive rake, back-clamping system)

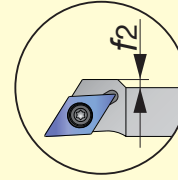
Without offset



Cutting edge style **J2**



JTDJ2CR/L1212F11
JTDJ2CR/L1212X11

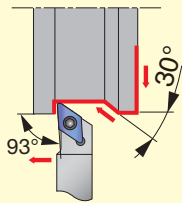


Right-hand (R) shown

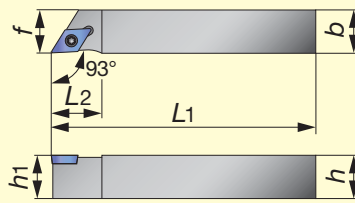
Cat. No.	Stock		Dimensions (mm)							Standard corner radius r_E	Insert	Parts			Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f	f_2			Clamp	Clamping screw	Wrench	
JTDJ2CR/L0810K07	●	●	8	10	125	14	8	10	-	0.4	DC**0702	JCP-2	JDS-3525	P-2F	0.9
New JTDJ2CR/L1010X07	●	●	10	10	120	14	10	10	-	0.2	DC**0702	JCP-2	JDS-3525	P-2F	0.9
JTDJ2CR/L1010K07	●	●	10	10	125	14	10	10	-	0.4	DC**0702	JCP-2	JDS-3525	P-2F	0.9
New JTDJ2CR/L1212F07	●	●	12	12	85	14	12	12	-	0.2	DC**0702	JCP-2	JDS-3525	P-2F	0.9
New JTDJ2CR/L1212X07	●	●	12	12	120	14	12	12	-	0.2	DC**0702	JCP-2	JDS-3525	P-2F	0.9
New JTDJ2CR/L1212F11	●	●	12	12	85	20	12	12	2	0.2	DC**11T3	JCP-3	JDS-5040	P-2.5F	1.2
New JTDJ2CR/L1212X11	●	●	12	12	120	20	12	12	2	0.2	DC**11T3	JCP-3	JDS-5040	P-2.5F	1.2
JTDJ2CR/L1212M11	●	●	12	12	150	20	12	12	-	0.8	DC**11T3	JCP-3	JDS-5040	P-2.5F	1.2
New JTDJ2CR/L1616X11	●	●	16	16	120	20	16	16	-	0.2	DC**11T3	JCP-3	JDS-5040	P-2.5F	1.2
JTDJ2CR/L1616M11	●	●	16	16	150	20	16	16	-	0.8	DC**11T3	JCP-3	JDS-5040	P-2.5F	1.2

JSDJ2CR/L External profiling JS type (Positive rake, screw-on system)

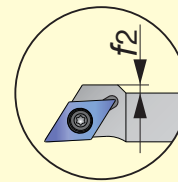
Without offset



Cutting edge style **J2**



JSDJ2CR/L1010F07
JSDJ2CR/L1212F11
JSDJ2CR/L1212X11



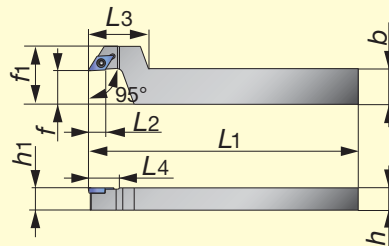
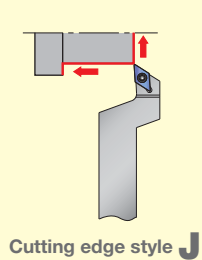
Right-hand (R) shown

Cat. No.	Stock		Dimensions (mm)							Standard corner radius r_E	Insert	Parts		Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f	f_2			Clamping screw	Wrench	
New JSDJ2CR/L0808F07	●	●	8	8	85	14	8	8	-	0.2	DC**0702	CSTB-2.5	T-8F	1.2
JSDJ2CR/L1010K07	●	●	10	10	125	14	10	10	-	0.4	DC**0702	CSTB-2.5	T-8F	1.2
New JSDJ2CR/L1010X07	●	●	10	10	120	14	10	10	-	0.2	DC**0702	CSTB-2.5	T-8F	1.2
New JSDJ2CR/L1010X11	●	●	10	10	120	20	10	10	4	0.2	DC**11T3	CSTB-4SD	T-8F	1.2
New JSDJ2CR/L1212F07	●	●	12	12	85	14	12	12	-	0.2	DC**0702	CSTB-2.5	T-8F	1.2
New JSDJ2CR/L1212F11	●	●	12	12	85	20	12	12	2	0.2	DC**11T3	CSTB-4SD	T-8F	1.2
New JSDJ2CR/L1212X07	●	●	12	12	120	14	12	12	-	0.2	DC**0702	CSTB-2.5	T-8F	1.2
JSDJ2CR/L1212K07	●	●	12	12	125	14	12	12	-	0.4	DC**0702	CSTB-2.5	T-8F	1.2
New JSDJ2CR/L1212X11	●	●	12	12	120	20	12	12	2	0.2	DC**11T3	CSTB-4SD	T-8F	1.2
New JSDJ2CR/L1616X11	●	●	16	16	120	20	16	16	-	0.2	DC**11T3	CSTB-4SD	T-8F	1.2

● : Stocked items

JSDJCR-F External turning and facing Neck-down type (Positive rake, screw-on system)

New

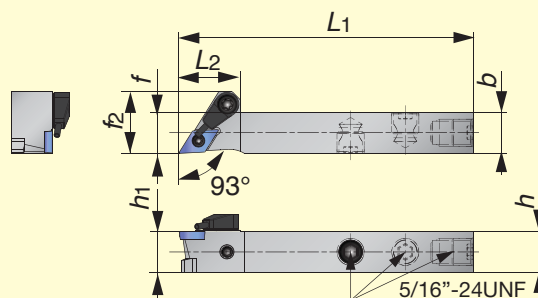
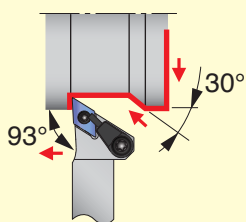


Right-hand (R) shown

Cat. No.	Stock	Dimensions (mm)										Standard corner radius r_e	Insert	Parts		Torque (N·m)
		h	b	L_1	L_2	L_3	L_4	h_1	f	f_1	Clamping screw			Wrench		
JSDJCR1016X07-F15	★	10	16	120	12.5	27	14	10	15	26	0.2	DC**0702**	CSTB-2.5	T-8F	1.2	
JSDJCR1216F07-F15	★	12	16	85	12.5	27	14	12	15	26	0.2	DC**0702**	CSTB-2.5	T-8F	1.2	
JSDJCR1216X07-F15	★	12	16	120	12.5	27	14	12	15	26	0.2	DC**0702**	CSTB-2.5	T-8F	1.2	
JSDJCR1216F11-F15	★	12	16	85	12.5	27	20	12	15	26	0.2	DC**1103**	CSTB-4SD	T-8F	1.2	
JSDJCR1216X11-F15	★	12	16	120	12.5	27	20	12	15	26	0.2	DC**1103**	CSTB-4SD	T-8F	1.2	
JSDJCR1620X11-F15	★	16	20	120	12.5	27	20	16	15	26	0.2	DC**1103**	CSTB-4SD	T-8F	1.2	

Works with high-pressure coolant

JSDJ2CR/L External turning and profiling CHP type (Positive rake, screw-on system)



TUNGJET
TUNGALOY

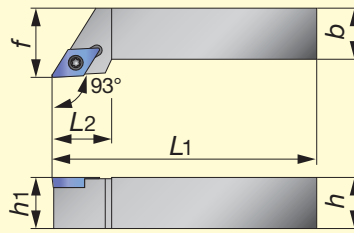
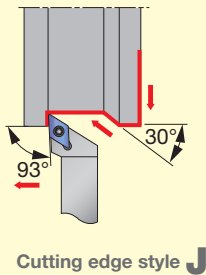
Without offset

Right-hand (R) shown

Cat. No	Stock		Dimensions (mm)							Std. corner radius r_e	Insert	Parts		Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f	f_2			Clamping screw	Wrench	
JSDJ2CR/L1212F07-CHP	●	●	12	12	85	18	12	12	18	0.2	DC**0702**	CSTB-4SD	T-8F	0.9
JSDJ2CR/L1212F11-CHP	●	●	12	12	85	19	12	12	20.5	0.2	DC**11T3**	CSTB-4SD	T-8F	0.9

● : Stocked items
★ : Available in 2015

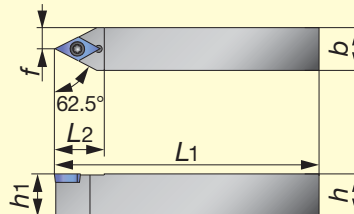
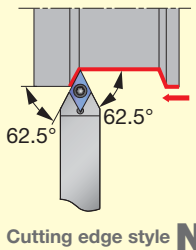
JSDJCR/L External profiling JS type (Positive rake, screw-on system)



Right-hand (R) shown

Cat. No.	Stock		Dimensions (mm)						Standard corner radius r_{ϵ}	Insert	Parts		Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f			Clamping screw	Wrench	
JSDJCR/L0808H07	●	●	8	8	100	14	8	10	0.4	DC**0702	CSTB-2.5	T-8F	1.2
JSDJCR/L1010H11	●	●	10	10	100	18	10	12	0.8	DC**11T3	CSTB-4SD	T-8F	1.2
JSDJCR/L1212H07	●	●	12	12	100	14	12	16	0.4	DC**0702	CSTB-2.5	T-8F	1.2
JSDJCR/L1212H11	●	●	12	12	100	18	12	16	0.8	DC**11T3	CSTB-4SD	T-8F	1.2
JSDJCR/L1616H11	●	●	16	16	100	18	16	20	0.8	DC**11T3	CSTB-4SD	T-8F	1.2

JSDNCN External profiling JS type (Positive rake, screw-on system)

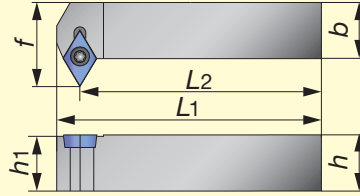
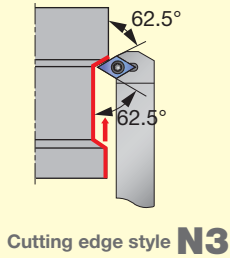


Right-hand (R) shown

Cat. No.	Stock	Dimensions (mm)						Standard corner radius r_{ϵ}	Insert	Parts		Torque (N·m)
		h	b	L_1	L_2	h_1	f			Clamping screw	Wrench	
JSDNCN0808H07	●	8	8	100	14	8	4	0.4	DC**0702	CSTB-2.5	T-8F	1.2
New JSDNCN1010X07	●	10	10	120	15	10	5	0.2	DC**0702	CSTB-2.5	T-8F	1.2
New JSDNCN1010X11	●	10	10	120	21	10	5	0.2	DC**11T3	CSTB-4SD	T-8F	1.2
JSDNCN1010K07	●	10	10	125	14	10	5	0.4	DC**0702	CSTB-2.5	T-8F	1.2
New JSDNCN1212F07	●	12	12	85	15	12	6	0.2	DC**0702	CSTB-2.5	T-8F	1.2
New JSDNCN1212X07	●	12	12	120	15	12	6	0.2	DC**0702	CSTB-2.5	T-8F	1.2
JSDNCN1212K07	●	12	12	125	14	12	6	0.4	DC**0702	CSTB-2.5	T-8F	1.2
New JSDNCN1212F11	●	12	12	85	21	12	6	0.2	DC**11T3	CSTB-4SD	T-8F	1.2
JSDNCN1212H11	●	12	12	100	21	12	6	0.8	DC**11T3	CSTB-4SD	T-8F	1.2
New JSDNCN1212X11	●	12	12	120	21	12	6	0.2	DC**11T3	CSTB-4SD	T-8F	1.2
JSDNCN1616H11	●	16	16	100	21	16	8	0.8	DC**11T3	CSTB-4SD	T-8F	1.2
New JSDNCN1616X11	●	16	16	120	21	16	8	0.2	DC**11T3	CSTB-4SD	T-8F	1.2

● : Stocked items

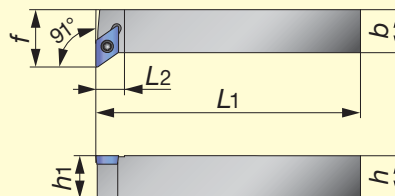
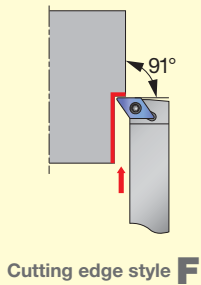
JSDN3CR/L Profiling JS type (Positive rake, screw-on system)



Right-hand (R) shown

Cat. No.	Stock		Dimensions (mm)						Standard corner radius r_E	Insert	Parts		Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f			Clamping screw	Wrench	
JSDN3CR/L1212H07	●	●	12	12	105	100	12	18	0.4	DC**0702	CSTB-2.5	T-8F	1.2
JSDN3CR/L1616H11	●	●	16	16	107	100	16	25	0.8	DC**11T3	CSTB-4SD	T-8F	1.2

JSDFCR/L Facing JS type (Positive rake, screw-on system)

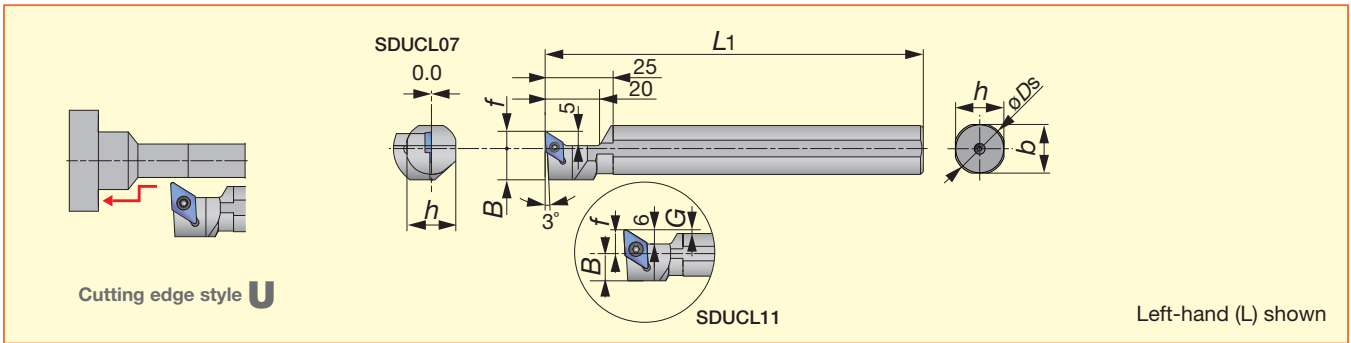


Right-hand (R) shown

Cat. No.	Stock		Dimensions (mm)						Standard corner radius r_E	Insert	Parts		Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f			Clamping screw	Wrench	
JSDFCR/L1212H07	●	●	12	12	100	8	12	16	0.4	DC**0702	CSTB-2.5	T-8F	1.2
JSDFCR/L1616H11	●	●	16	16	100	10.5	16	22	0.8	DC**11T3	CSTB-4SD	T-8F	1.2

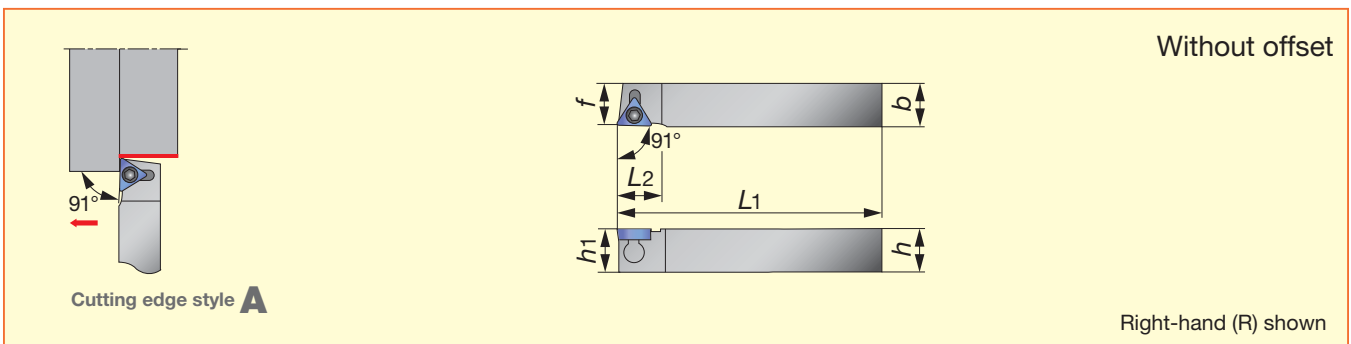
● : Stocked items

JS-SDUCL External profiling JS type (Positive rake, screw-on system)



Cat. No.	Stock			Dimensions (mm)					Standard corner radius r_E	Insert	Parts		Torque (N·m)	
	R	L	ϕD_s	f	L_1	L_2	h	B			G	Clamping screw		Wrench
JS19K-SDUCL07	●	●	19.05	6	125	-	18	11.5	-	0.4	DC**0702	CSTB-2.5	T-8F	1.2
JS20K-SDUCL07	●	●	20	6	125	-	19	11.5	-	0.4	DC**0702	CSTB-2.5	T-8F	1.2
JS22K-SDUCL07	●	●	22	6	125	-	21	11.5	-	0.4	DC**0702	CSTB-2.5	T-8F	1.2
JS19K-SDUCL11	●	●	19.05	10	125	-	18	11.5	1.525	0.8	DC**11T3	CSTB-4SD	T-8F	1.2
JS20K-SDUCL11	●	●	20	10	125	-	19	11.5	1.0	0.8	DC**11T3	CSTB-4SD	T-8F	1.2
JS22K-SDUCL11	●	●	22	11	125	-	21	11.5	1.0	0.8	DC**11T3	CSTB-4SD	T-8F	1.2
JS25K-SDUCL11	●	●	25.4	12	125	-	24	12.7	0.7	0.8	DC**11T3	CSTB-4SD	T-8F	1.2

JTTACR/L External turning JT type (Positive rake, back-clamping system)



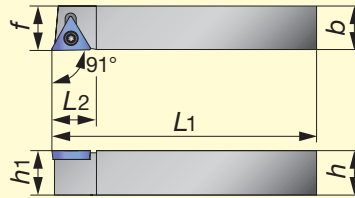
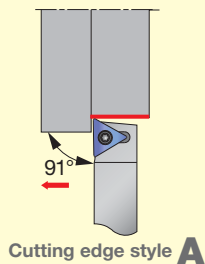
Cat. No.	Stock			Dimensions (mm)					Standard corner radius r_E	Insert	Parts			Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f			Clamp	Clamping screw	Wrench	
JTTACR/L0810K08	●	●	8	10	125	10	8	10	0.2	TC**0802	JCP-1	JDS-3525	P-2F	0.9
JTTACR/L1010K08	●	●	10	10	125	10	10	10	0.2	TC**0802	JCP-1	JDS-3525	P-2F	0.9
JTTACR/L1212M11	●	●	12	12	150	12	12	12	0.4	TC**1102	JCP-2	JDS-3525	P-2F	0.9
JTTACR/L1616M11	●	●	16	16	150	12	16	16	0.4	TC**1102	JCP-2	JDS-3525	P-2F	0.9

● : Stocked items

JSTACR/L

External turning

JS type (Positive rake, screw-on system)



Without offset

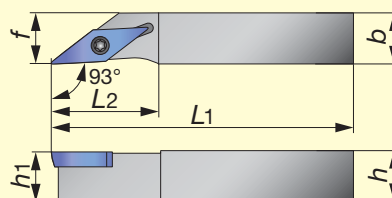
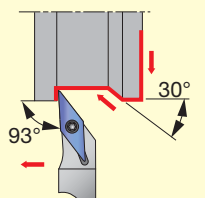
Right-hand (R) shown

Cat. No.	Stock		Dimensions (mm)						Standard corner radius r_{ϵ}	Insert	Parts		Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f			Clamping screw	Wrench	
JSTACR/L0808K08	●	●	8	8	125	10	8	8	0.2	TC**0802	CSTB-2L	T-6F	0.6
JSTACR/L1010K08	●	●	10	10	125	10	10	10	0.2	TC**0802	CSTB-2L	T-6F	0.6
JSTACR/L1212K11	●	●	12	12	125	12	12	12	0.4	TC**1102	CSTB-2.5	T-8F	1.2
JSTACR/L1616H11	●	●	16	16	100	12	16	16	0.4	TC**1102	CSTB-2.5	T-8F	1.2

JSVJ2BR/L

External profiling

JS type (Positive rake, screw-on system)



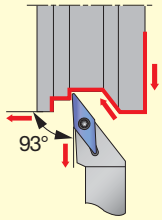
Without offset

Right-hand (R) shown

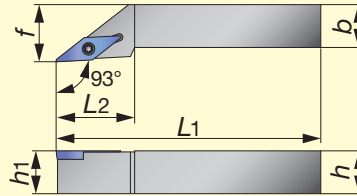
Cat. No.	Stock		Dimensions (mm)						Standard corner radius r_{ϵ}	Insert	Parts		Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f			Clamping screw	Wrench	
New JSVJ2BR/L1010X11	●	●	10	10	120	21	10	10	0.2	VB**1103	CSTB-2.5	T-8F	1.2
JSVJ2BR/L1010K11	●	●	10	10	125	21	10	10	0.2	VB**1103	CSTB-2.5	T-8F	1.2
New JSVJ2BR/L1212F11	●	●	12	12	85	21	12	12	0.2	VB**1103	CSTB-2.5	T-8F	1.2
New JSVJ2BR/L1212X11	●	●	12	12	120	21	12	12	0.2	VB**1103	CSTB-2.5	T-8F	1.2
JSVJ2BR/L1212K11	●	●	12	12	125	21	12	12	0.2	VB**1103	CSTB-2.5	T-8F	1.2
New JSVJ2BR/L1616X11	●	●	16	16	120	21	16	16	0.2	VB**1103	CSTB-2.5	T-8F	1.2
JSVJ2BR/L1616K11	●	●	16	16	125	21	16	16	0.2	VB**1103	CSTB-2.5	T-8F	1.2

JSVJBR/L External profiling

JS type (Positive rake, screw-on system)



Cutting edge style **J**



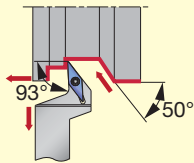
Right-hand (R) shown

Cat. No.	Stock		Dimensions (mm)							Standard corner radius r_E	Insert	Parts		Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f	Clamping screw			Wrench		
JSVJBR/L1010H11	●	●	10	10	100	20	10	12	0.4	VB**1103	CSTB-2.5	T-8F	1.2	
JSVJBR/L1212H11	●	●	12	12	100	22	12	16	0.4	VB**1103	CSTB-2.5	T-8F	1.2	
JSVJBR/L1616H11	●	●	16	16	100	22	16	20	0.4	VB**1103	CSTB-2.5	T-8F	1.2	

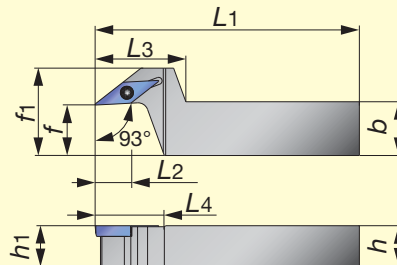
JSVJBR-F External turning and profiling

Neck-down type (Positive rake, screw-on system)

New



Cutting edge style **J**



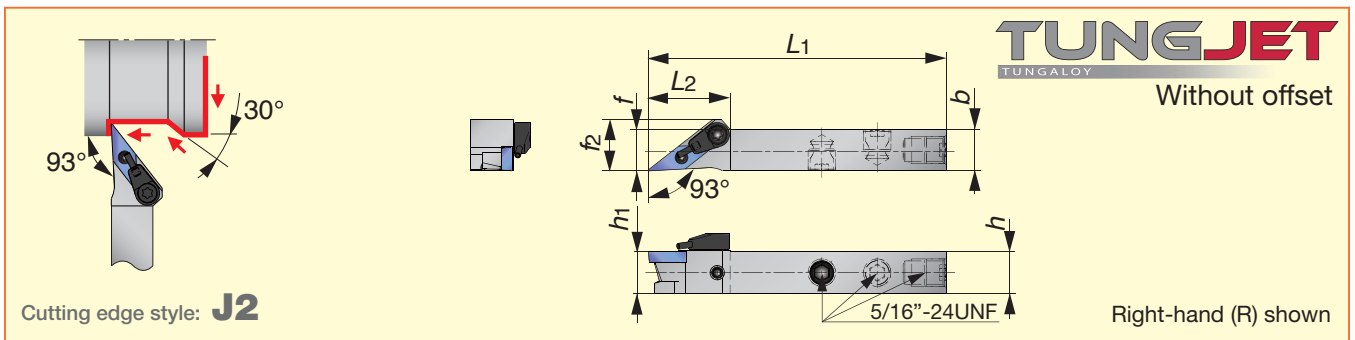
Right-hand (R) shown

Cat. No.	Stock	Dimensions (mm)								Standard corner radius r_E	Insert	Parts		Torque (N·m)	
		h	b	L_1	L_2	L_3	L_4	h_1	f			f_1	Clamping screw		Wrench
JSVJBR1216F11-F15	★	12	16	85	12.6	27	21	12	15	26	0.2	VB**1103**	CSTB-2.5	T-8F	1.2
JSVJBR1216X11-F15	★	12	16	120	12.6	27	21	12	15	26	0.2	VB**1103**	CSTB-2.5	T-8F	1.2
JSVJBR1620X11-F15	★	16	20	120	12.6	27	21	16	15	26	0.2	VB**1103**	CSTB-2.5	T-8F	1.2

● : Stocked items

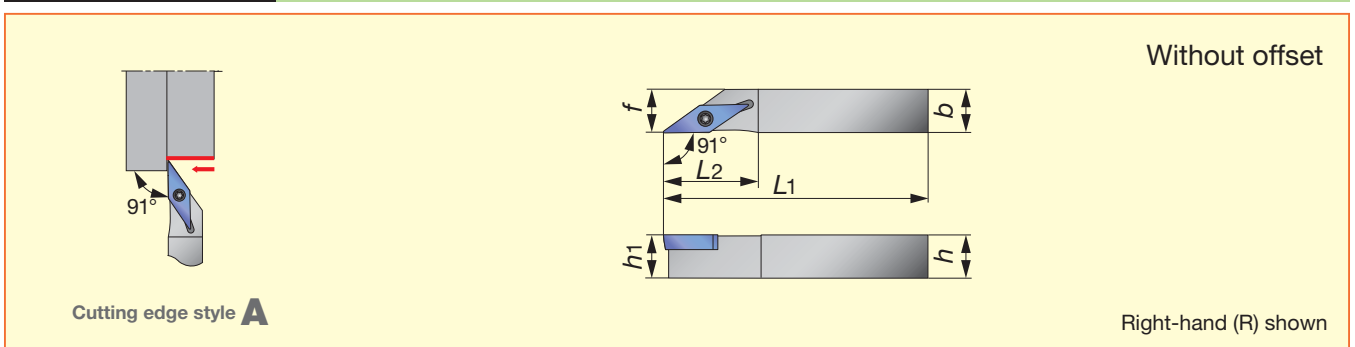
Works with high-pressure coolant

JSVJ2BR/L External turning and profiling **CHP type (Positive rake, screw-on system)**



Cat. No	Stock		Dimensions (mm)							Std. corner radius r_E	Insert	Parts		Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f	f_2			Clamping screw	Wrench	
JSVJ2BR/L1212F11-CHP	●	●	12	12	85	23.6	12	12	14.7	0.2	VB**1103**	CSTB-2.5	T-8F	1.2

JSVABR/L External turning **JS type (Positive rake, screw-on system)**



Cat. No.	Stock		Dimensions (mm)							Standard corner radius r_E	Insert	Parts		Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f	Clamping screw			Wrench		
JSVABR/L1010K11	●	●	10	10	125	21	10	10	0.2	VB**1103	CSTB-2.5	T-8F	1.2	
JSVABR/L1212K11	●	●	12	12	125	21	12	12	0.2	VB**1103	CSTB-2.5	T-8F	1.2	
JSVABR/L1616K11	●	●	16	16	125	21	16	16	0.2	VB**1103	CSTB-2.5	T-8F	1.2	

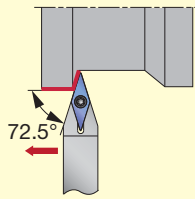
● : Stocked items
★ : Available in 2015

JSVNB

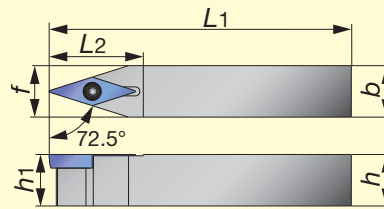
External profiling

JS type (Positive rake, screw-on system)

New



Cutting edge style **N**



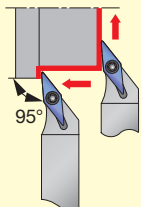
Right-hand (R) shown

Cat. No.	Stock	Dimensions (mm)						Standard corner radius $r\epsilon$	Insert	Parts		Torque (N-m)
		h	b	L_1	L_2	h_1	f			Clamping screw	Wrench	
JSVNB1010X11	●	10	10	120	22	10	0	0.2	VB**1103	CSTB-2.5	T-8F	1.2
JSVNB1212F11	●	12	12	85	22	12	0	0.2	VB**1103	CSTB-2.5	T-8F	1.2
JSVNB1212X11	●	12	12	120	22	12	0	0.2	VB**1103	CSTB-2.5	T-8F	1.2
JSVNB1616X11	●	16	16	120	22	16	0	0.2	VB**1103	CSTB-2.5	T-8F	1.2

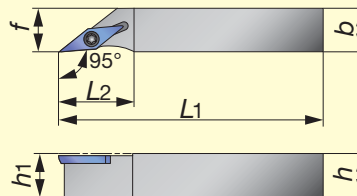
JSVL2PR/L

External turning and facing

JS type (Positive rake, screw-on system)



Cutting edge style **L2**

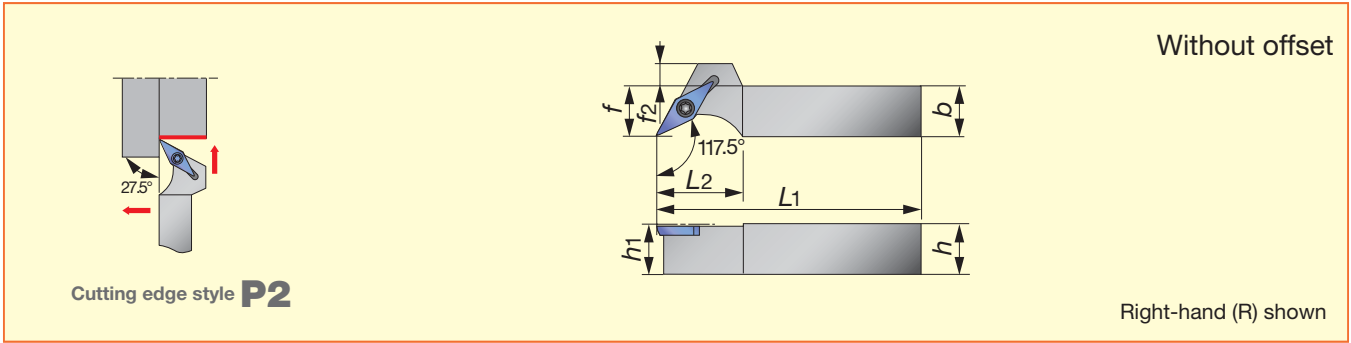


Without offset

Right-hand (R) shown

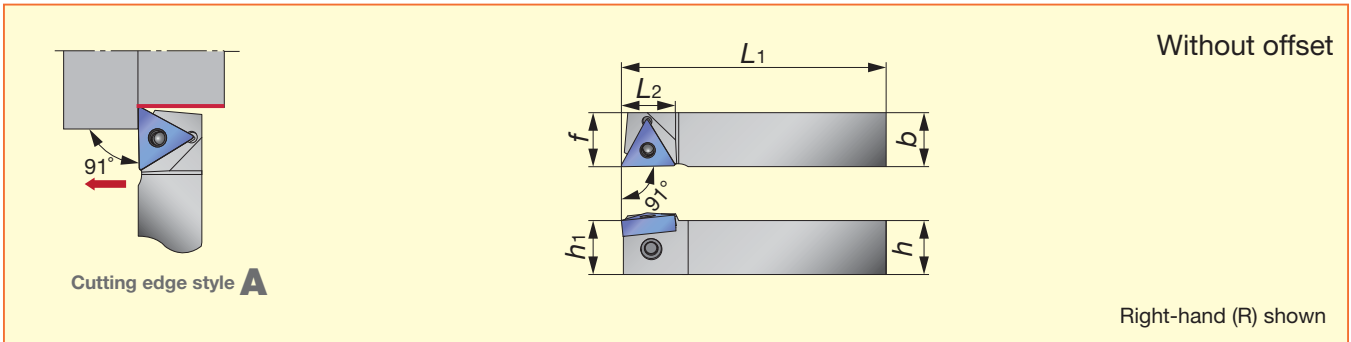
Cat. No.	Stock		Dimensions (mm)						Standard corner radius $r\epsilon$	Insert	Parts		Torque (N-m)
	R	L	h	b	L_1	L_2	h_1	f			Clamping screw	Wrench	
New JSVL2PR/L1010X08	●	●	10	10	120	16	10	10	0.2	VP**0802	CSTB-2L	T-6F	0.6
JSVL2PR/L1010K08	●	●	10	10	125	16	10	10	0.2	VP**0802	CSTB-2L	T-6F	0.6
New JSVL2PR/L1212F08	●	●	12	12	85	16	12	12	0.2	VP**0802	CSTB-2L	T-6F	0.6
New JSVL2PR/L1212F11	●	●	12	12	85	21	12	12	0.2	VP**1103	CSTB-2.5	T-8F	1.2
New JSVL2PR/L1212X08	●	●	12	12	120	16	12	12	0.2	VP**0802	CSTB-2L	T-6F	0.6
New JSVL2PR/L1212X11	●	●	12	12	120	21	12	12	0.2	VP**1103	CSTB-2.5	T-8F	1.2
JSVL2PR/L1212K08	●	●	12	12	125	16	12	12	0.2	VP**0802	CSTB-2L	T-6F	0.6
New JSVL2PR/L1616X08	●	●	16	16	120	16	16	16	0.2	VP**0802	CSTB-2L	T-6F	0.6
JSVL2PR/L1616K08	●	●	16	16	125	16	16	16	0.2	VP**0802	CSTB-2L	T-6F	0.6
New JSVL2PR/L1616X11	●	●	16	16	120	21	16	16	0.2	VP**1103	CSTB-2.5	T-8F	1.2

JSVP2PR/L External profiling and undercut JS type (Positive rake, screw-on system)



Cat. No.	Stock		Dimensions (mm)							Standard corner radius r_E	Insert	Parts		Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f	f_2			Clamping screw	Wrench	
JSVP2PR/L1010K08	●	●	10	10	125	16	10	10	4	0.2	VP**0802	CSTB-2L	T-6F	0.6
JSVP2PR/L1212K08	●	●	12	12	125	16	12	12	2	0.2	VP**0802	CSTB-2L	T-6F	0.6
JSVP2PR/L1616K08	●	●	16	16	125	16	16	16	2	0.2	VP**0802	CSTB-2L	T-6F	0.6
JSVP2PR/L1010K11	●	●	10	10	125	20	10	10	8	0.2	VP**1103	CSTB-2.5	T-8F	1.2
JSVP2PR/L1212K11	●	●	12	12	125	20	12	12	6	0.2	VP**1103	CSTB-2.5	T-8F	1.2
JSVP2PR/L1616K11	●	●	16	16	125	20	16	16	6	0.2	VP**1103	CSTB-2.5	T-8F	1.2

JTTANR/L External turning JT type (Negative rake, back-clamping system)

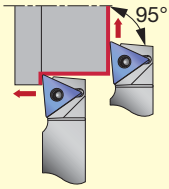


Cat. No.	Stock		Dimensions (mm)							Standard corner radius r_E	Insert	Parts		Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f	Clamp			Clamping screw	Wrench	
JTTANR/L1216K16	●	●	12	16	125	19.8	12	16	0.4	TN**1604	JCP-3N	JDS-5040	P-2.5F	1.2
JTTANR/L1616K16	●	●	16	16	125	19.8	16	16	0.4	TN**1604	JCP-3N	JDS-5040	P-2.5F	1.2

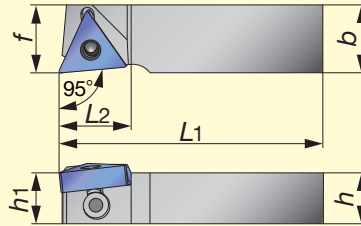
● : Stocked items

JTTLNR/L External turning and facing JT type (Negative rake, back-clamping system)

New



Cutting edge style **L**



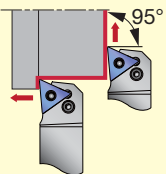
Without offset

Right-hand (R) shown

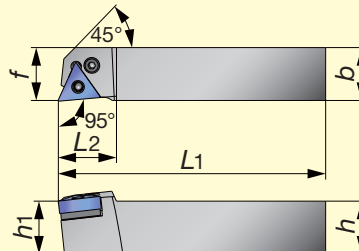
Cat. No.	Stock		Dimensions (mm)						Standard corner radius r_E	Insert	Parts			Torque (N·m)
	R	L	h	b	L_1	L_2	h_1	f			Clamp	Clamping screw	Wrench	
JTTLNR/L1216F16	●	●	12	16	85	17	12	16	0.4	TN**1604**	JCP-3N	JDS-5040	P-2.5F	1.0
JTTLNR/L1216X16	●	●	12	16	120	17	12	16	0.4	TN**1604**	JCP-3N	JDS-5040	P-2.5F	1.0
JTTLNR/L1616X16	●	●	16	16	120	17	16	16	0.4	TN**1604**	JCP-3N	JDS-5040	P-2.5F	1.0

PTL2NR/L External turning and facing P type (Negative rake, lever-lock system)

New



Cutting edge style **L2**



Without offset

Right-hand (R) shown

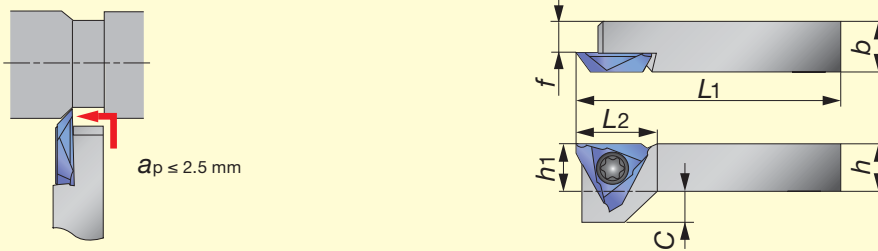
Cat. No.	Stock		Dimensions (mm)						Standard corner radius r_E	Insert	Parts				Torque (N·m)	
	R	L	h	b	L_1	L_2	h_1	f			Shim	Clamping screw	Lever	Spring		Wrench
PTL2NR/L2020H16	●	●	20	20	100	22	20	20	0.4	TN**1604**	LST317	LCS3	LCL3	LSP3	P-2.5	2.0

● : Stocked items

JSTBR/L Back turning

JS type (Screw-on system)

Can be wrenched from the back side with double-socket torx screw.

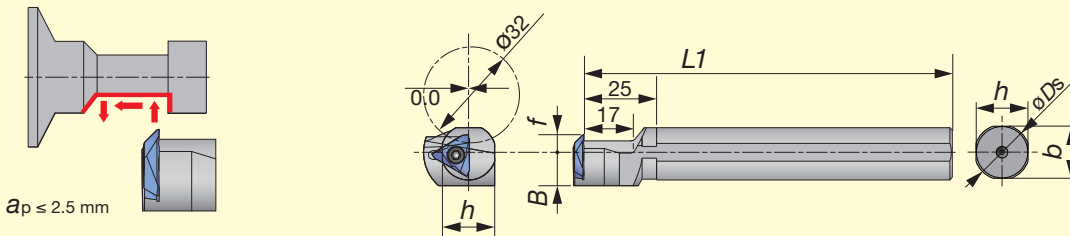


Right-hand (R) shown

Cat. No.	Stock		Dimensions (mm)							Insert	Parts			Torque (N·m)
	R	L	h	b	L ₁	L ₂	h ₁	f	C		Clamping screw	Wrench (Optional)		
New JSTBR/L1010X3	●	●	10	10	120	15	12	10	5	JTBR/L3**	CSTB-4SD	T-8F (T-8L)	1.2	
JSTBR/L1010K3	●	●	12	12	125	15	10	10	5	JTBR/L3**	CSTB-4SD	T-8F (T-8L)	1.2	
New JSTBR/L1212F3	●	●	12	12	85	15	12	12	3	JTBR/L3**	CSTB-4SD	T-8F (T-8L)	1.2	
New JSTBR/L1212X3	●	●	12	12	120	15	12	12	3	JTBR/L3**	CSTB-4SD	T-8F (T-8L)	1.2	
JSTBR/L1212K3	●	●	12	12	125	15	12	12	3	JTBR/L3**	CSTB-4SD	T-8F (T-8L)	1.2	
New JSTBR/L1616X3	●	●	16	16	120	15	16	16	-	JTBR/L3**	CSTB-4SD	T-8F (T-8L)	1.2	
JSTBR/L1616K3	●	●	16	16	125	15	16	16	-	JTBR/L3**	CSTB-4SD	T-8F (T-8L)	1.2	

JS-TBL3 Back turning

JS type (Screw-on system)



Left-hand (L) shown

Cat. No.	Stock	Dimensions (mm)						Insert	Parts		Torque (N·m)
		øDs	f	L ₁	L ₂	h	B		Clamping screw	Wrench	
JS19K-TBL3	●	19.05	6	125	-	18	11.5	JTBR3***	CSTB-4S	T-15F	3.0
JS20K-TBL3	●	20	6	125	-	19	11.5	JTBR3***	CSTB-4S	T-15F	3.0
JS22K-TBL3	●	22	6	125	-	21	11.5	JTBR3***	CSTB-4S	T-15F	3.0
JS25K-TBL3	●	25.4	10	125	-	24	12.7	JTBR3***	CSTB-4S	T-15F	3.0

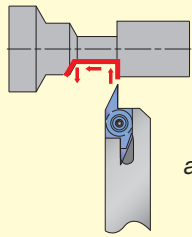
Notes: Left-hand holder use right-hand insert.

● : Stocked items

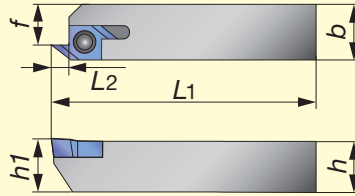
JSEGR/L

Back turning

JS type (Screw-on system)



$a_p \leq 3 \text{ mm}$

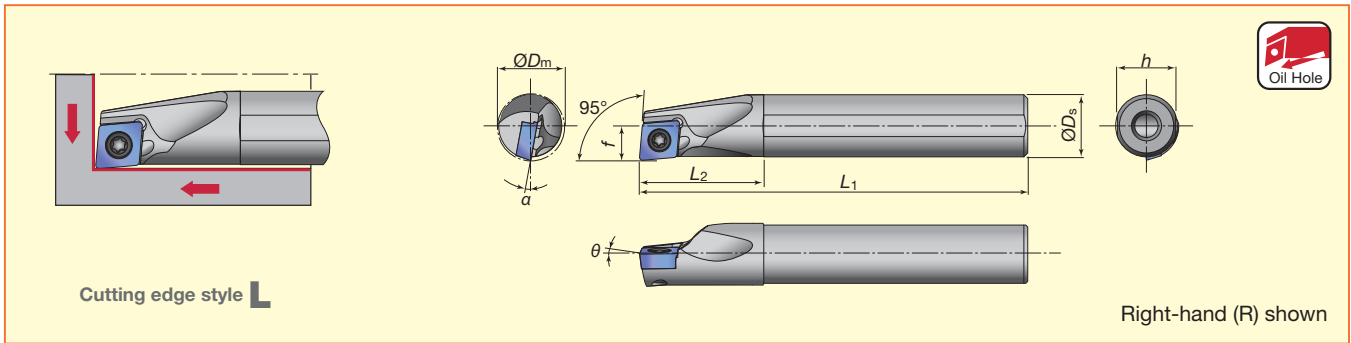


Right-hand (R) shown

Cat. No.	Stock		Dimensions (mm)						Insert	Parts			Torque (N·m)
	R	L	<i>h</i>	<i>b</i>	<i>L</i> ₁	<i>L</i> ₂	<i>h</i> ₁	<i>f</i>		Clamping screw	Wrench (Optional)		
JSEGR/L1010K10	●	●	10	10	125	3.3	10	7.5	J10ER/L****	CSTB-2.5	T-8F (T-8L)	1.2	
JSEGR/L1212K10	●	●	12	12	125	3.3	12	9.5	J10ER/L****	CSTB-2.5	T-8F (T-8L)	1.2	
JSEGR/L1616K10	●	●	16	16	125	3.3	16	13.5	J10ER/L****	CSTB-2.5	T-8F (T-8L)	1.2	

● : Stocked items

SCLCR/L Boring & internal facing S type (Positive, screw-on)



Steel shank

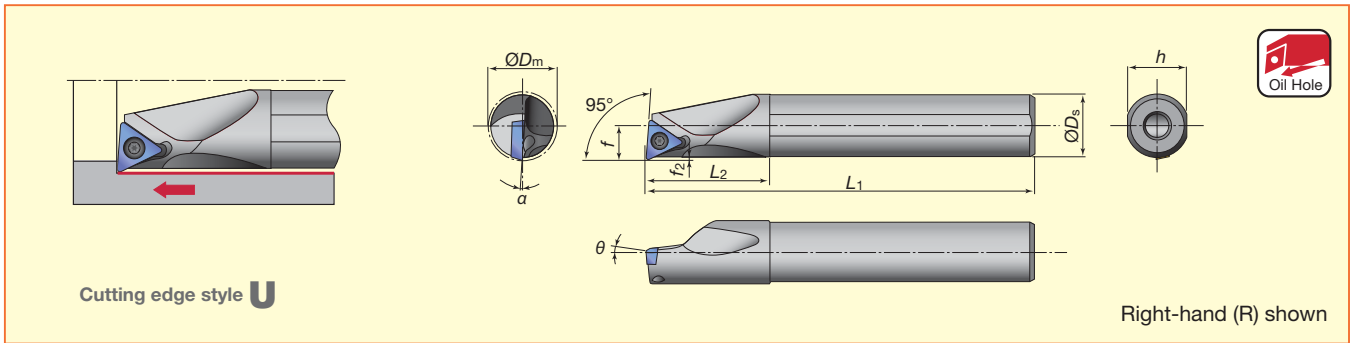
Cat. No.	Stock		Min. bore dia. ϕD_m	ϕD_s	f	Dimensions (mm)					Std. corner radius $r\epsilon$	Insert	Parts		Torque (N·m)	
	R	L				L_1	L_2	h	f_2	θ			α	Clamping screw		Wrench
A04F-SCLCR/L03-D050	●	●	5	4	2.5	80	8	3.8	-	0°	-15°	0.2	CC**03X1	CSTA-1.6	T-6F	0.6
A05F-SCLCR/L03-D060	●	●	6	5	3	80	9	4.8	-	0°	-13°	0.2	CC**03X1	CSTA-1.6	T-6F	0.6
A06G-SCLCR/L04-D070	●	●	7	6	3.5	90	11	5.75	-	0°	-13°	0.2	CC**04T1	CSTB-2	T-6F	0.6
A07G-SCLCR/L04-D080	●	●	8	7	4	90	12	6.75	-	0°	-11°	0.2	CC**04T1	CSTB-2	T-6F	0.6

Carbide shank

Cat. No.	Stock		Min. bore dia. ϕD_m	ϕD_s	f	Dimensions (mm)					Std. corner radius $r\epsilon$	Insert	Parts		Torque (N·m)	
	R	L				L_1	L_2	h	f_2	θ			α	Clamping screw		Wrench
E04G-SCLCR/L03-D050	●	●	5	4	2.5	90	9	3.8	-	0°	-15°	0.2	CC**03X1	CSTA-1.6	T-6F	0.6
E05G-SCLCR/L03-D060	●	●	6	5	3	90	10	4.8	-	0°	-13°	0.2	CC**03X1	CSTA-1.6	T-6F	0.6
E06H-SCLCR/L04-D070	●	●	7	6	3.5	100	12	5.75	-	0°	-13°	0.2	CC**04T1	CSTB-2	T-6F	0.6
E07H-SCLCR/L04-D080	●	●	8	7	4	100	14	6.75	-	0°	-11°	0.2	CC**04T1	CSTB-2	T-6F	0.6

When using a right or left-hand insert, the right-hand insert is used for the left-hand toolholder (SCLCL oo type), and the left-hand insert is used for the right-hand toolholder (SCLCRoo type).

STUPR/L Boring S type (Positive, screw-on)



Steel shank

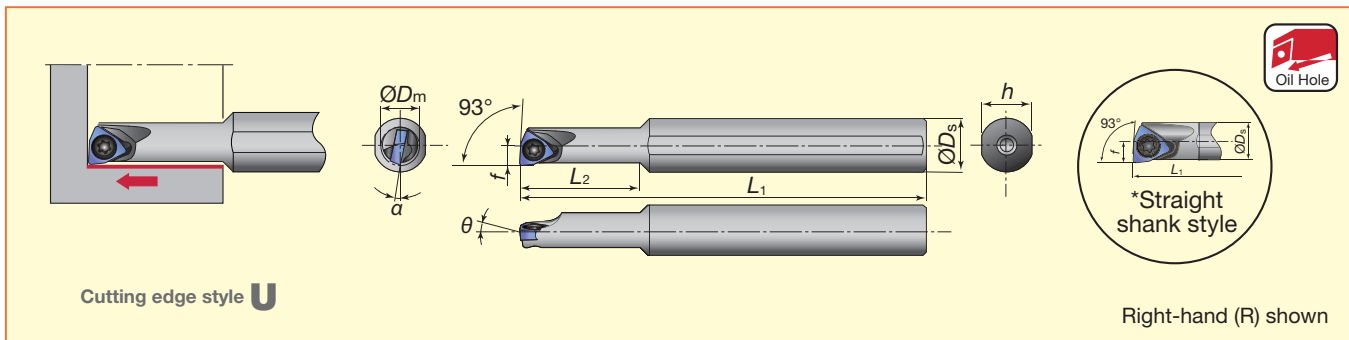
Cat. No.	Stock		Min bore.dia. øDm	øDs	f	Dimensions (mm)					Std. corner radius rε	Insert	Parts		Torque (N·m)	
	R	L				L1	L2	h	f2	θ			a	Clamping screw		Wrench
A07G-STUPR/L07-D080	●	●	8	7	4	90	12	6.75	0.4	+5°	-10°	0.4	TP**0701	CSTB-2.2L038	T-7F	0.9
A08H-STUPR/L07-D080	●	●	8	8	4	100	19.5	7.5	0.5	+5°	-10°	0.4	TP**0701	CSTB-2.2L038	T-7F	0.9

Carbide shank

Cat. No.	Stock		Min bore.dia. øDm	øDs	f	Dimensions (mm)					Std. corner radius rε	Insert	Parts		Torque (N·m)	
	R	L				L1	L2	h	f2	θ			a	Clamping screw		Wrench
E07H-STUPR/L07-D080	●	●	8	7	4	100	14	6.75	0.3	+5°	-10°	0.4	TP**0701	CSTB-2.2L038	T-7F	0.9
E08G-STUPR/L07-D080	●		8	8	4	90	44.5	7.5	0.5	+5°	-10°	0.4	TP**0701	CSTB-2.2L038	T-7F	0.9
E08K-STUPR/L07-D080	●	●	8	8	4	125	44.5	7.5	0.5	+5°	-10°	0.4	TP**0701	CSTB-2.2L038	T-7F	0.9

When using a right or left-hand insert, the right-hand insert (R) is used for the left-hand toolholder (STUPL ** type), and the left-hand insert (L) is used for the right-hand toolholder (STUPR ** type).

SWUBR/L Boring S type (Positive, screw-on)



Steel shank

Cat. No.	Stock		Min bore dia. ϕD_m	ϕD_s	f	Dimensions (mm)					Std. corner radius $r\epsilon$	Insert	Parts		Torque (N·m)	
	R	L				L_1	L_2	h	f_2	θ			α	Clamping screw		Wrench
*A05F-SWUBR/L03-D060	●	●	6	5	3	80	9	4.8	-	0°	-13°	0.4	WB**0301	CSTB-2	T-6F	0.6
*A06G-SWUBR/L03-D070	●	●	7	6	3.5	90	11	5.75	-	0°	-12°	0.4	WB**0301	CSTB-2	T-6F	0.6
*A07G-SWUBR/L03-D080	●	●	8	7	4	90	12	6.75	-	0°	-11°	0.4	WB**0301	CSTB-2	T-6F	0.6
A08H-SWUBR03-D060	●		6	8	3.1	100	18	7.5	-	0°	-12°	0.4	WB**0301	CSTB-2	T-6F	0.6
A08H-SWUBR03-D070	●		7	8	3.6	100	20	7.5	-	0°	-12°	0.4	WB**0301	CSTB-2	T-6F	0.6

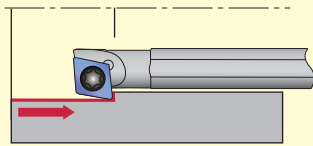
Carbide shank

Cat. No.	Stock		Min bore dia. ϕD_m	ϕD_s	f	Dimensions (mm)					Std. corner radius $r\epsilon$	Insert	Parts		Torque (N·m)	
	R	L				L_1	L_2	h	f_2	θ			α	Clamping screw		Wrench
*E05G-SWUBR/L03-D060	●	●	6	5	3	90	10	4.8	-	0°	-13°	0.4	WB**0301	CSTB-2	T-6F	0.6
*E06H-SWUBR/L03-D070	●	●	7	6	3.5	100	12	5.75	-	0°	-12°	0.4	WB**0301	CSTB-2	T-6F	0.6
*E07H-SWUBR/L03-D080	●	●	8	7	4	100	14	6.75	-	0°	-11°	0.4	WB**0301	CSTB-2	T-6F	0.6
E08K-SWUBR03-D060	●		6	8	3.1	125	30	7.5	-	0°	-12°	0.4	WB**0301	CSTB-2	T-6F	0.6
E08K-SWUBR03-D070	●		7	8	3.6	125	40	7.5	-	0°	-12°	0.4	WB**0301	CSTB-2	T-6F	0.6

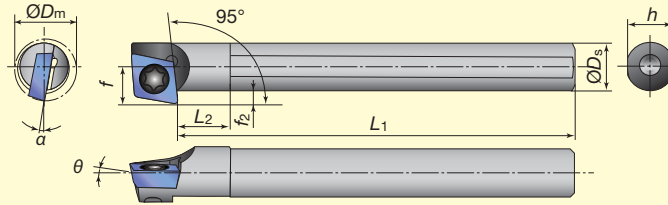
When using a right or left-hand insert, the right-hand insert (R) is used for the left-hand toolholder (SWUBL oo type), and the left-hand insert (L) is used for the right-hand toolholder (SWUBR ootype).

SEZPR/L Internal retracting

S type (Positive, screw-on)



Cutting edge style **Z**



Right-hand (R) shown

Steel shank

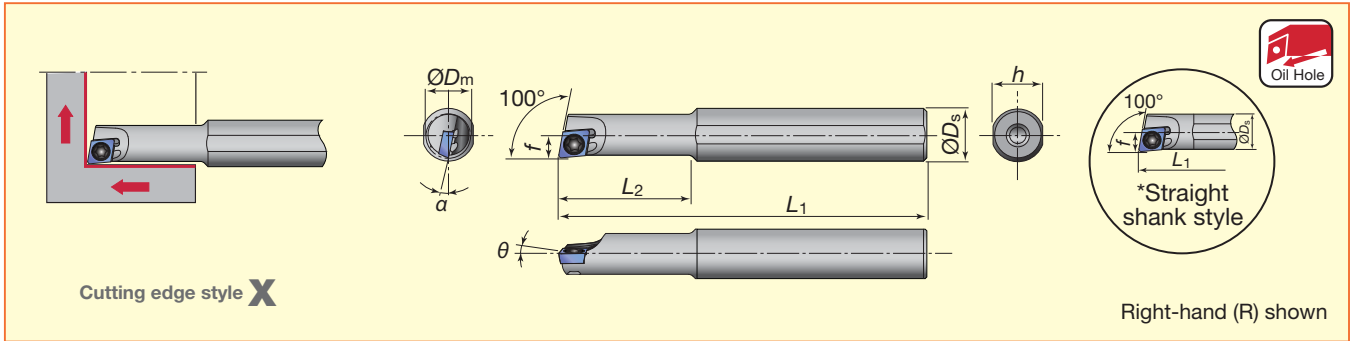
Cat. No.	Stock		Min bore dia. $\varnothing D_m$	Dimensions (mm)								Std. corner radius $r\epsilon$	Insert	Parts		Torque (N·m)
	R	L		$\varnothing D_s$	f	L_1	L_2	h	f_2	θ	α			Clamping screw	Wrench	
A04F-SEZPR/L03-D055	●	●	5.5	4	3.2	80	4	3.8	1.2	0°	-8°	0.2	EP**03X1	CSTA-1.6	T-6F	0.6
A05F-SEZPR/L03-D065	●	●	6.5	5	3.7	80	5	4.8	1.2	0°	-6°	0.2	EP**03X1	CSTA-1.6	T-6F	0.6

Carbide shank

Cat. No.	Stock		Min bore dia. $\varnothing D_m$	Dimensions (mm)								Std. corner radius $r\epsilon$	Insert	Parts		Torque (N·m)
	R	L		$\varnothing D_s$	f	L_1	L_2	h	f_2	θ	α			Clamping screw	Wrench	
E04G-SEZPR/L03-D055	●	●	5.5	4	3.2	90	5	3.8	1.2	0°	-8°	0.2	EP**03X1	CSTA-1.6	T-6F	0.6
E05G-SEZPR/L03-D065	●	●	6.5	5	3.7	90	6	4.8	1.2	0°	-6°	0.2	EP**03X1	CSTA-1.6	T-6F	0.6

When using a right or left-hand insert, the right-hand insert (R) is used for the right-hand toolholder (SEZPR** type), and the left-hand insert (L) is used for the left-hand toolholder (SEZPL** type).

SEXPR/L Boring and internal facing S type (Positive, screw-on)



Steel shank

Cat. No.	Stock		Min bore dia. ϕD_m	ϕD_s	f	Dimensions (mm)					Std. corner radius $r\epsilon$	Insert	Parts		Torque (N·m)	
	R	L				L_1	L_2	h	f_2	θ			a	Clamping screw		Wrench
*A04F-SEXPR/L03-D045	●	●	4.5	4	2.3	80	8	3.8	-	0°	-15°	0.2	EP**03X1	CSTA-1.6	T-6F	0.6
*A04F-SEXPR/L03-D050	●	●	5	4	2.5	80	8	3.8	-	0°	-13°	0.2	EP**03X1	CSTA-1.6	T-6F	0.6
*A05F-SEXPR/L04-D055	●	●	5.5	5	2.75	80	9	4.8	-	0°	-12°	0.4	EP**0401	CSTB-2	T-6F	0.6
A06G-SEXPR/L04-D070	●	●	7	6	3.6	90	11	5.75	-	0°	-12°	0.4	EP**0401	CSTB-2	T-6F	0.6
A08H-SEXPR/L04-D055	●	●	5.5	8	2.75	100	16	7.5	-	0°	-12°	0.4	EP**0401	CSTB-2	T-6F	0.6
A08H-SEXPR/L04-D070	●	●	7	8	3.6	100	20	7.5	-	0°	-12°	0.4	EP**0401	CSTB-2	T-6F	0.6

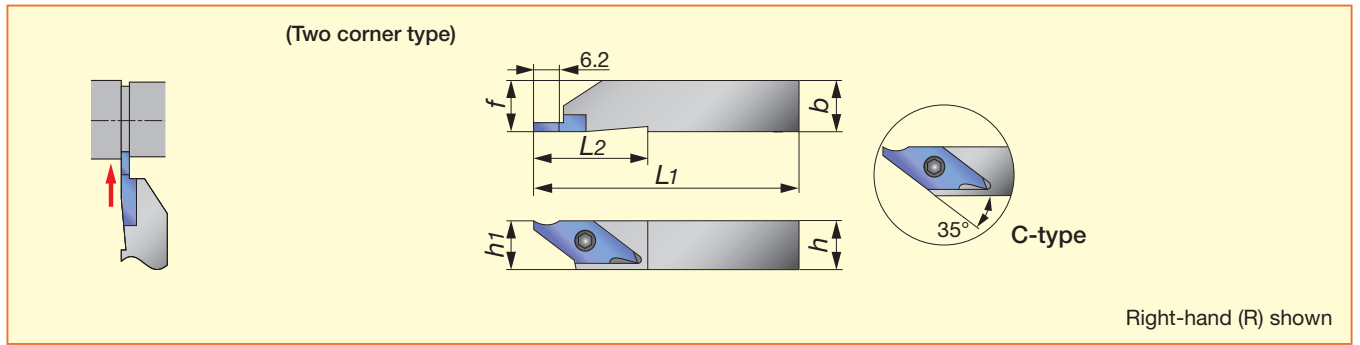
Carbide shank

Cat. No.	Stock		Min bore dia. ϕD_m	ϕD_s	f	Dimensions (mm)					Std. corner radius $r\epsilon$	Insert	Parts		Torque (N·m)	
	R	L				L_1	L_2	h	f_2	θ			a	Clamping screw		Wrench
*E04G-SEXPR/L03-D045	●	●	4.5	4	2.3	90	9	3.8	-	0°	-15°	0.2	EP**03X1	CSTA-1.6	T-6F	0.6
*E04G-SEXPR/L03-D050	●	●	5	4	2.5	90	9	3.8	-	0°	-13°	0.2	EP**03X1	CSTA-1.6	T-6F	0.6
*E05G-SEXPR/L04-D055	●	●	5.5	5	2.75	90	10	4.8	-	0°	-12°	0.4	EP**0401	CSTB-2	T-6F	0.6
E06H-SEXPR/L04-D070	●	●	7	6	3.6	100	12	5.75	-	0°	-12°	0.4	EP**0401	CSTB-2	T-6F	0.6
E08K-SEXPR/L04-D055	●	●	5.5	8	2.75	125	28	7.5	-	0°	-12°	0.4	EP**0401	CSTB-2	T-6F	0.6
E08K-SEXPR/L04-D070	●	●	7	8	3.6	125	40	7.5	-	0°	-12°	0.4	EP**0401	CSTB-2	T-6F	0.6

When using a right or left-hand insert, the right-hand insert (R) is used for the left-hand toolholder (SEXPL** type), and the left-hand insert (L) is used for the right-hand toolholder (SEXPR** type).

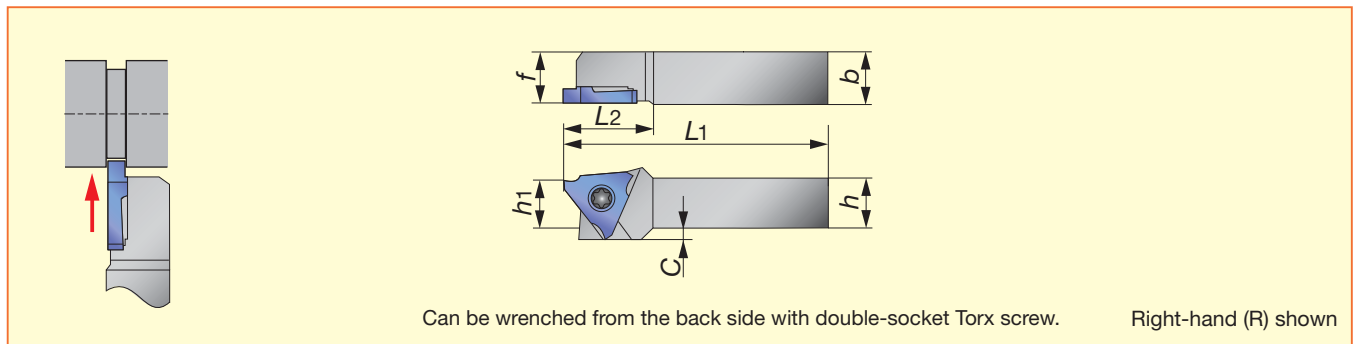
Grooving toolholders

JSVGR/L External grooving JS type (Screw-on system)



Cat. No.	Stock		Dimensions (mm)						Insert	Parts			Torque (N·m)
	R	L	h	b	L ₁	L ₂	h ₁	f		Clamping screw	Wrench (Optional)	(Optional)	
JSVGR/L1010K-C	●	●	10	10	125	23	10	10	JVGR/L***(F)	CSTB-3S	T-9F	(T-9L)	2.3
JSVGR/L1212K-C	●	●	12	12	125	23	12	12	JVGR/L***(F)	CSTB-3S	T-9F	(T-9L)	2.3
JSVGR/L1616K	●	●	16	16	125	23	16	16	JVGR/L***(F)	CSTB-3S	T-9F	(T-9L)	2.3

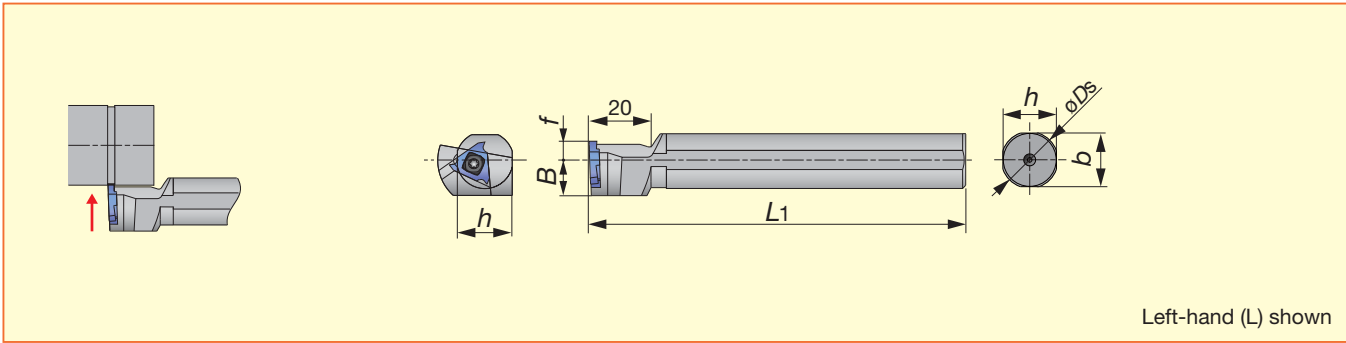
JSTGR/L External grooving JS type (Screw-on system)



Cat. No.	Stock		Dimensions (mm)								Insert	Parts			Torque (N·m)
	R	L	h	b	L ₁	L ₂	h ₁	f	C	Clamping screw		Wrench (Optional)	(Optional)		
New JSTGR/L1010X3	●	●	10	10	120	18.5	12	10	2	JTGR/L3**	CSTB-4SD	T-8F	(T-8L)	1.2	
JSTGR/L1010K3	●	●	12	12	125	18.5	10	10	2	JTGR/L3**	CSTB-4SD	T-8F	(T-8L)	1.2	
New JSTGR/L1212F3	●	●	12	12	85	18.5	12	12	-	JTGR/L3**	CSTB-4SD	T-8F	(T-8L)	1.2	
New JSTGR/L1212X3	●	●	12	12	120	18.5	12	12	-	JTGR/L3**	CSTB-4SD	T-8F	(T-8L)	1.2	
JSTGR/L1212K3	●	●	12	12	125	18.5	12	12	-	JTGR/L3**	CSTB-4SD	T-8F	(T-8L)	1.2	
New JSTGR/L1616X3	●	●	16	16	120	18.5	16	16	-	JTGR/L3**	CSTB-4SD	T-8F	(T-8L)	1.2	
JSTGR/L1616K3	●	●	16	16	125	18.5	16	16	-	JTGR/L3**	CSTB-4SD	T-8F	(T-8L)	1.2	

● : Stocked items

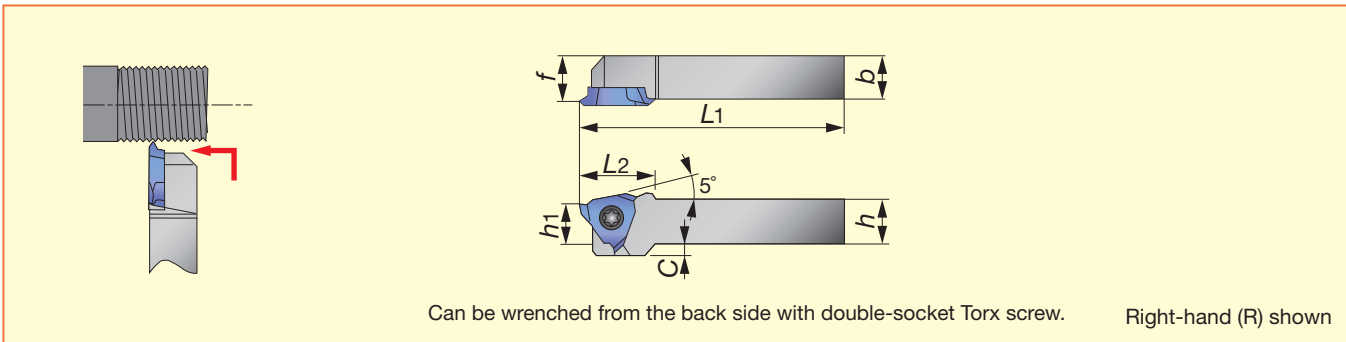
JS-TGL3 External grooving JS type (Screw-on system)



Cat. No.	Stock	Dimensions (mm)						Insert	Parts		Torque (N·m)
		øDs	f	L ₁	L ₂	h/b	B		Clamping screw	Wrench	
JS19K-TGL3	●	19.05	6	125	-	18	11.5	JTGR3*** (F)	CSTB-4S	T-15F	3.0
JS20K-TGL3	●	20	6	125	-	19	11.5	JTGR3*** (F)	CSTB-4S	T-15F	3.0
JS22K-TGL3	●	22	6	125	-	21	11.5	JTGR3*** (F)	CSTB-4S	T-15F	3.0
JS25K-TGL3	●	25.4	10	125	-	24	12.7	JTGR3*** (F)	CSTB-4S	T-15F	3.0

Threading

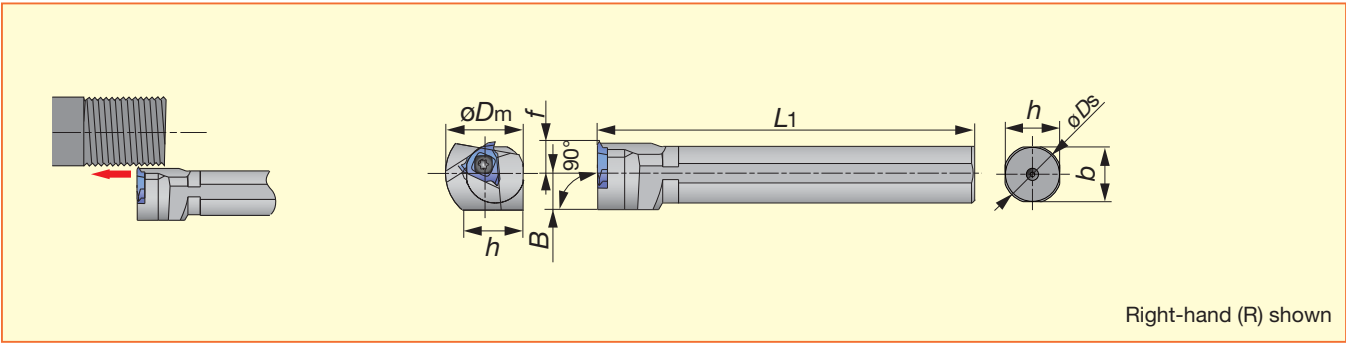
JSTTR External threading JS type (Screw-on system)



Cat. No.	Stock		Dimensions (mm)							Insert	Parts		Torque (N·m)
	R	L	h	b	L ₁	L ₂	h ₁	f	C		Clamping screw	Wrench (Optional)	
New JSTTR/L1010X3	●	●	10	10	120	18.5	12	10	2	JTTR/L3**	CSTB-4SD	T-8F (T-8L)	1.2
JSTTR/L1010K3	●	●	12	12	125	18.5	10	10	2	JTTR/L3**	CSTB-4SD	T-8F (T-8L)	1.2
New JSTTR/L1212F3	●	●	12	12	85	18.5	12	12	-	JTTR/L3**	CSTB-4SD	T-8F (T-8L)	1.2
New JSTTR/L1212X3	●	●	12	12	120	18.5	12	12	-	JTTR/L3**	CSTB-4SD	T-8F (T-8L)	1.2
JSTTR/L1212K3	●	●	12	12	125	18.5	12	12	-	JTTR/L3**	CSTB-4SD	T-8F (T-8L)	1.2
New JSTTR/L1616X3	●	●	16	16	120	18.5	16	16	-	JTTR/L3**	CSTB-4SD	T-8F (T-8L)	1.2
JSTTR/L1616K3	●	●	16	16	125	18.5	16	16	-	JTTR/L3**	CSTB-4SD	T-8F (T-8L)	1.2




● : Stocked items

JS-TTL3 External threading JS-type (Screw-on system)



Cat. No.	Stock	Dimensions (mm)					Insert	Parts		Torque (N·m)
		ϕD_s	f	L_1	h/b	B		Clamping screw	Wrench	
JS19K-TTL3	●	19.05	10	125	18	11.5	JTTR30**F	CSTB-4S	T-15F	3.5
JS20K-TTL3	●	20	10	125	19	11.5	JTTR30**F	CSTB-4S	T-15F	3.5
JS22K-TTL3	●	22	10	125	21	11.5	JTTR30**F	CSTB-4S	T-15F	3.5
JS25K-TTL3	●	25.4	10	125	24	12.7	JTTR30**F	CSTB-4S	T-15F	3.5

● Spare parts for TungJet toolholders

Toolholder Cat. No	Applicable inserts	Screw	Wrench	Coolant unit
				
JSDJ2XR/L1212F07-CHP	DOMTURN DXGU0703□□L/R	SR34-514	T-7F	S-CU-CHP
JSWL2XR/L1212F04-CHP	DOMTURN WXGU0403□□L/R	SR34-514	T-7F	S-CU-CHP
JSVJ2XR/L1212F09-CHP	J-SERIES VB□□1103□□	SR34-508	T-7F	S-CU-CHP
JSDJ2CR/L1212F07-CHP	J-SERIES DC□□0702□□	CSTB-2.5	T-8F	S-CU-CHP
JSDJ2CR/L1212F11-CHP	J-SERIES DC□□11T3□□	CSTB-4SD	T-8F	S-CU-CHP
JSVJ2BR/L1212F11-CHP	J-SERIES VB□□1103□□	CSTB-2.5	T-8F	S-CU-CHP

● Connection of toolholder and coolant hose

The hose can be connected on the back side, front side, or back-end side.

Toolholder Cat. No	JSDJ2X*** / JSWL2X*** / JSDJ2C*** / JSVJ2B***		
Shank size	≤ 16 mm		
Connection	Back	Front	Back end
Example of connection			
Connector for toolholder	CHP-CONNECTOR5/16-G1/8	-	-
Hose	CHP-HOSE-G1/8-7/16-200BS ⁽³⁾	CHP-HOSE-5/16-7/16-200BS ⁽³⁾	CHP-HOSE-5/16-7/16-200BS ⁽³⁾
	CHP-HOSE-G1/8-7/16-250BS ⁽³⁾	-	-
	CHP-HOSE-G1/8-G1/8-200BB ⁽⁴⁾	-	-
	CHP-HOSE-G1/8-G1/8-250BB ⁽⁴⁾	-	-
Connector for machine	CHP-NIPPLE-G1/8-7/16UNF ⁽⁵⁾	CHP-NIPPLE-G1/8-7/16UNF ⁽⁵⁾	CHP-NIPPLE-G1/8-7/16UNF ⁽⁵⁾
Washer for machine	CHP-COPPER-SEAL1/8 ⁽⁵⁾	CHP-COPPER-SEAL1/8 ⁽⁵⁾	CHP-COPPER-SEAL1/8 ⁽⁵⁾

Thread size of hose for machine: ⁽³⁾7/16"-20UNF (G1/8 internal thread)
 Must purchase connector⁽⁵⁾ and washer⁽⁵⁾ that apply to the internal thread
⁽⁴⁾G1/8-28 BSPP (External thread)

● Parts for coolant hose

■ Connecting hose

Fig. 1

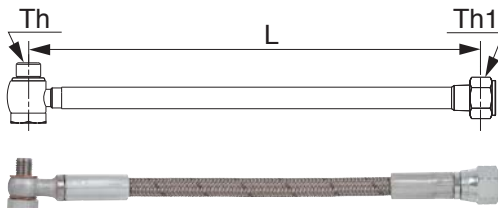
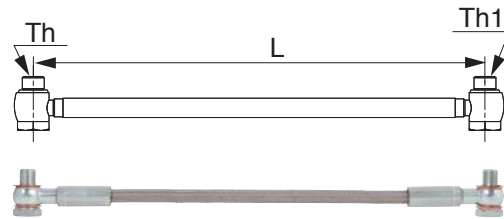


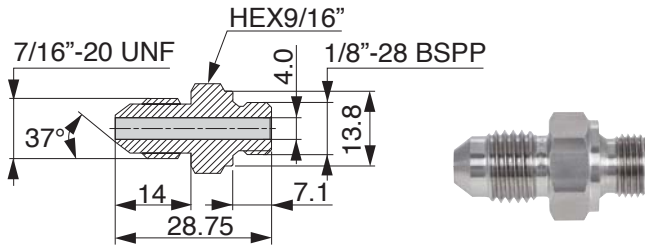
Fig. 2



Cat. No	Stock	Dimensions (mm)			Max. pressure (Mpa)	Fig.
		Length	Threading size			
			L	Th		
CHP-HOSE-G1/8-7/16-200BS	●	200	G1/8"-28 BSPP	7/16"-20 UNF	26	1
CHP-HOSE-G1/8-7/16-250BS	●	250	G1/8"-28 BSPP	7/16"-20 UNF	26	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	26	2
CHP-HOSE-G1/8-G1/8-250BB	●	250	G1/8"-28 BSPP	G1/8"-28 BSPP	26	2

● : Stocked items

Connector



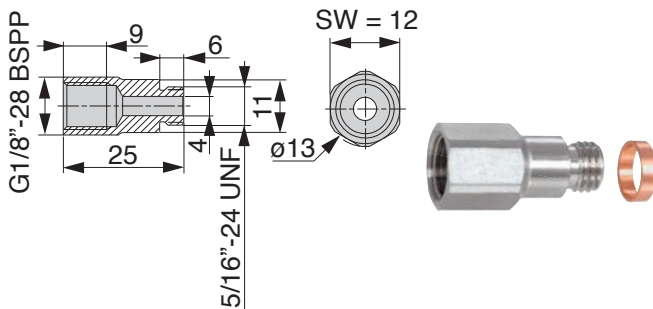
Cat. No	Stock
CHP-NIPPLE-G1/8-7/16UNF	●

Seal washer



Cat. No	Stock	Dimensions (mm)		
		øD	ød	W
CHP-COPPER-SEAL1/8	●	15	10	1
CHP-COPPER-SEAL5/16	●	11	8	1
CHP-COPPER-SEAL5/16-2.5	●	11	8	2.5

Connector for small lathe with seal washer



Cat. No	Stock
CHP-CONNECTOR/5/16-G1/8	●

Practical examples

Workpiece type		Shaft	Shaft
Toolholder		JSEGR1212K10	SVLPR1212X-11FF
Insert		J10ER010BF	VPET110301MFR-JRP
Grade		SH725	SH725
Workpiece material		SUM24L / Low-carbon free-cutting steel	SCM415 / 18CrMo4
Cutting conditions			
Cutting speed: V_c (m/min)		100	150
Feed : f (mm/rev)		0.04	0.02
Depth of cut : a_p (mm)		1.2	0.5
Machining		Back Turning	External turning
Coolant		Wet	Wet
Results		<p>Number of pieces work (pcs / corner)</p> <p>Competitor SH725</p> <p>Tool life 200% UP!</p> <p>Insert in SH725 grade maintains accuracy in machined dimensions and extends tool life by 2 times even in back turning due to excellent wear and chipping resistance.</p>	<p>Number of pieces work (pcs / corner)</p> <p>Competitor SH725</p> <p>Tool life 130% UP!</p> <p>SH725 extends tool life by 130% and reduces flank wear due to improved wear resistance.</p>

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 America, Inc.

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

Tungaloy Canada

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

Tungaloy 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.co.jp/mx

Tungaloy do Brasil Ltda.

Rua dos Sabias N.104
13280-000 Vinhedo, São Paulo, Brazil
Phone: +55-19-38262757
Fax: +55-19-38262757
www.tungaloy.com/br

Tungaloy Germany GmbH

An der Alten Ziegelei 1
D-40789 Monheim, Germany
Phone: +49-2173-90420-0
Fax: +49-2173-90420-19
www.tungaloy.de

Tungaloy France S.A.S.

ZA Courtaboeuf - Le Rio
1 rue de la Terre de feu
F-91952 Courtaboeuf Cedex, France
Phone: +33-1-6486-4300
Fax: +33-1-6907-7817
www.tungaloy.fr

Tungaloy Italia S.r.l.

Via E. Andolfato 10
I-20126 Milano, Italy
Phone: +39-02-252012-1
Fax: +39-02-252012-65
www.tungaloy.it

Tungaloy Czech s.r.o.

Turanka 115
CZ-627 00 Brno, Czech Republic
Phone: +420-532 123 391
Fax: +420-532 123 392
www.tungaloy.cz

Tungaloy Ibérica S.L.

C/Miquel Servet, 43B, Nau 7
Pol. Ind. Bufalvent
ES-08243 Manresa (BCN), Spain
Phone: +34 93 113 1360
Fax: +34 93 876 2798
www.tungaloy.es

Tungaloy Scandinavia AB

S:t Lars Väg 42A
SE-22270 Lund, Sweden
Phone: +46-462119200
Fax: +46-462119207
www.tungaloy.se

Tungaloy Rus, LLC

36-D Harkovsky Lane
308009 Belgorod, Russia
Phone: +7 4722 24 00 07
Fax: +7 4722 24 00 08
www.tungaloy.co.jp/ru

Tungaloy Polska Sp. z o.o.

ul. Genewska 24
03-963 Warszawa, Poland
Phone: +48-22-617-0890
Fax: +48-22-617-0890
www.tungaloy.co.jp/pl

Tungaloy U.K. Ltd

The Technology Centre,
Wolverhampton Science Park
Glaisher Drive, Wolverhampton
West Midlands WV10 9RU, UK
Phone: +44 121 4000 231
Fax: +44 121 270 9694
www.tungaloy.co.jp/uk
salesinfo@tungaloyuk.co.uk

Tungaloy Hungary Kft

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

Tungaloy Turkey

Dudullu, OSB 4. Cad No:4
34776 Ümraniye Istanbul, TURKEY
Phone: +90 216 540 04 67
Fax: +90 216 540 04 87
www.tungaloy.com.tr
info@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-benelux.com

Tungaloy Croatia

Josipa Kozarca 4
10432 Bregana, Croatia
Phone: +385 1 3326 04 67
Fax: +385 1 3327 683
www.tungaloy.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.co.jp/tcts

Tungaloy Cutting Tool (Thailand) Co., Ltd.

TCIF 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.co.th

Tungaloy Singapore (Pte.), Ltd.

62 Ubi Road 1, #06-11 Oxley BizHub 2
Singapore 408734
Phone: +65-6391-1833
Fax: +65-6299-4557
www.tungaloy.co.jp/tspl

Tungaloy Vietnam

Unit 18, 4th Fl. Saigon Centre Building
65 Le Loi Blvd.
Dist 1, Ho Chi Minh City, Vietnam
Phone: +84-8-3827-0201
Fax: +84-8-3827-0203
www.tungaloy.co.jp/tspl

Tungaloy India Pvt. Ltd.

Unit#13, B wing, 8th Fl.
Kamala Mills Compound
Trade World, Lower Parel (West)
Mumbai - 4000 13, India
Phone: +91-22-6124-8804
Fax: +91-22-6124-8899
www.tungaloy.co.jp/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.co.jp/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.co.jp/my

Tungaloy Australia Pty Ltd

PO Box 2232, Rowville,
Victoria 3178, Australia
Phone: +61-3-9755-8147
Fax: +61-3-9755-6070
www.tungaloy.com.au

PT. Tungaloy Indonesia

Kompleks Grand Wisata Block AA-10 No.3-5
Cibitung
Bekasi 17510, Indonesia
Phone: +62-21-8261-5808
Fax: +62-21-8261-5809
www.tungaloy.co.jp/id



www.tungaloy.com

follow us at:
facebook.com/tungaloyjapan
twitter.com/tungaloyjapan

To see this product in action visit:

Tung-TV

www.youtube.com/tungaloycorporation

Distributed by:



DOWNLOAD
Dr. Carbide App



Available on the
App Store



GET IT ON
Google play



ISO 9001 Certified
QC00J0056
Tungaloy Corporation
18/10/1996
ISO 14001 Certified
EC97J1123
Tungaloy Group
Japan site and Asian
production site
26/11/1997

Produced from Recycled paper

Sep. 2015 (TJ)