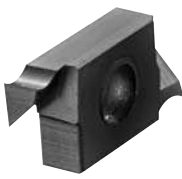
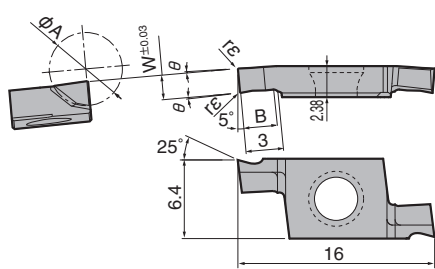



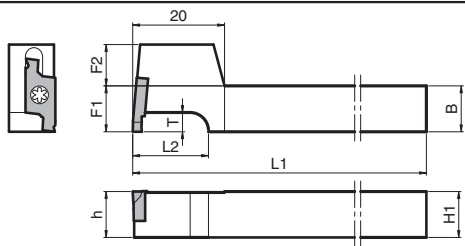
TWFGT (Vertical type : Insert specifications)

		Description	Face Grooving Dia. ϕA		Dimension (mm)			Angle ($^\circ$)	Insert Grade		
			MIN.	MAX.	W	$r\epsilon$	B	θ	PVD Coated Carbide	Carbide	
		TWFGTR	050	6 (0)	∞ (∞)	0.5	0.05	1.0	1.5 $^\circ$	<input type="checkbox"/>	<input type="checkbox"/>
			080			0.8		1.5		<input type="checkbox"/>	<input type="checkbox"/>
			100			1.0			<input type="checkbox"/>	<input type="checkbox"/>	
			125			1.25	2.2	2 $^\circ$	<input type="checkbox"/>	<input type="checkbox"/>	
			150			1.5			<input type="checkbox"/>	<input type="checkbox"/>	
			180			1.8	3.0		<input type="checkbox"/>	<input type="checkbox"/>	
			200			2.0		<input type="checkbox"/>	<input type="checkbox"/>		

• Dimension B shows available grooving depth.

• Face grooving diameter ϕD MIN. (0) means that you can make the initial groove within MIN – MAX and then widen it to the center.

STWS (Square Shank for vertical type : L-shape)

	
• R-hand Shown	

Toolholder Dimensions

Description	Std.	Dimension (mm)											Spare Parts		Applicable Inserts ➔ G67
		H1-h	B	L1	L2	L3	F1	F2	T	F3	Shape	Clamp Screw	Wrench		
STWSR 1010JX-15T	<input type="checkbox"/>	10	10	120	16		10	9	3	-	-	SB-3080TR	LTW-10S	TWFGTR ○○○	
STWSR 1212JX-15T	<input type="checkbox"/>	12	12		16		12	7							
STWSR 1616JX-15T	<input type="checkbox"/>	16	16		20		16	3							
STWSR 1010F-15T	<input type="checkbox"/>	10	10	85	16	-	10	9	3	-	-	SB-3080TR	LTW-10S	TWFGTR ○○○	
STWSR 1212F-15T	<input type="checkbox"/>	12	12				12	7							
STWSR 1010K-15T	<input type="checkbox"/>	10	10				10	9							
STWSR 1212K-15T	<input type="checkbox"/>	12	12	125	16	-	12	7	3	-	-	SB-3080TR	LTW-10S	TWFGTR ○○○	
STWSR 1616K-15T	<input type="checkbox"/>	16	16				20	16							3

• Dimension T shows the distance from the Toolholder to the cutting edge. Available Groove Depth : "B" Dimension of Insert.

Recommended Cutting Conditions (TWFG / TWFGT)

Workpiece Material	Recommended Insert Grade (Vc: m/min)		TWFGLO50	TWFGLO80	TWFGLO100	TWFGTR050	TWFGTR080	TWFGTR100	TWFGGL125	TWFGGL150	TWFGGL180	TWFGGL200	TWFGTR180	TWFGTR200	Remarks
	PVD Coated Carbide	Carbide													
	PR1025	KW10													
Carbon steel / Alloy steel (S45C / SCM etc.)	★ 30-100		~0.02	~0.03	~0.04										Wet
Stainless Steel (SUS304 etc.)	★ 30-80		~0.01	~0.02	~0.02										
Non-ferrous Metals (Aluminum / Brass etc.)		★ ~300	~0.03	~0.04	~0.06										

★ : 1st Recommendation ☆ : 2nd Recommendation

Twin-bars are sold in 5 piece boxes

