

Micro Dia. Face Grooving (Twin Bars)

TWFG (Horizontal type : Insert specifications)

<p>• L-hand Shown</p>	Description	Face Grooving Dia. ϕA		Dimension (mm)			Angle ($^{\circ}$)	Insert Grade	
		MIN.	MAX.	W	rε	B	θ	PVD Coated Carbide	Carbide
	TWFG L	050		0.5		1.0	1.5°	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		080		0.8		1.5		<input checked="" type="checkbox"/>	<input type="checkbox"/>
		100	6	1.0	0.05	2.2	2°	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		125		(0)				1.25	<input checked="" type="checkbox"/>
		150	(∞)	1.5		3.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		180		1.8			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		200		2.0			<input checked="" 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.

STW (Square Shank for horizontal type)

(For right-hand toolholder for boring, see F12.)

<p>• L-hand Shown</p>	Fig.1	Fig.2
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Toolholder Dimensions

Description	Std.	Dimension (mm)							Shape	Spare Parts		Applicable Inserts	
		H1=h	B	L1	L2	L3	F1	F2		T	F3		Clamp Screw
STWL 1010F-15	<input type="checkbox"/>	10	10	85			10			Fig.1	SB-3080TR	LTW-10S	TWFG L ○○○
1212F-15	<input type="checkbox"/>	12	12		10								
1010K-15	<input type="checkbox"/>	10	10	125	-		10		3	Fig.2	SB-3080TR	LTW-10S	TWFG L ○○○
1212K-15	<input type="checkbox"/>	12	12		12			16					
1616K-15	<input type="checkbox"/>	16	16	150			16			Fig.2	SB-3080TR	LTW-10S	TWFG L ○○○
2020K-15	<input type="checkbox"/>	20	20		25			25					
2525M-15	<input type="checkbox"/>	25	25				32			Fig.2	SB-3080TR	LTW-10S	TWFG L ○○○

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

S..-STW (Round Shank for horizontal type)

(For right-hand toolholder for boring, see F12.)

<p>• L-hand Shown</p>	Fig.1	Fig.2
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Toolholder Dimensions

Description	Std.	Dimension (mm)							Shape	Spare Parts		Applicable Inserts
		$\phi D1$	$\phi D2$	H	L1	L2	L3	T		Clamp Screw	Wrench	
S12F- STWL15	<input type="checkbox"/>	12	20	11	80	18	22	3	Fig.1	SB-3080TR	LTW-10S	TWFG L ○○○
S14H- STWL15	<input type="checkbox"/>	14		13	100							
S15F- STWL15	<input type="checkbox"/>	15.875	19.05	15	85	18	22	3	Fig.1	SB-3080TR	LTW-10S	TWFG L ○○○
S16F- STWL15	<input type="checkbox"/>	16		17	90							
S19G- STWL15	<input type="checkbox"/>	19.05	19.05	17	120	18	22	3	Fig.2	SB-3080TR	LTW-10S	TWFG L ○○○
S19K- STWL15	<input type="checkbox"/>	18.5		18	120							
S20G- STWL15	<input type="checkbox"/>	20	20	18	90	18	22	3	Fig.2	SB-3080TR	LTW-10S	TWFG L ○○○
S20K- STWL15	<input type="checkbox"/>	19.5		18	120							
S22K- STWL15	<input type="checkbox"/>	22	25	20	125	22	25	24.5	Fig.2	SB-3080TR	LTW-10S	TWFG L ○○○
S25.0J- STWL15	<input type="checkbox"/>	24.5		23	110							
S25K- STWL15	<input type="checkbox"/>	25.4	25	23	120	22	25	24.5	Fig.2	SB-3080TR	LTW-10S	TWFG L ○○○

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

● : Std. Item
 : Check Availability