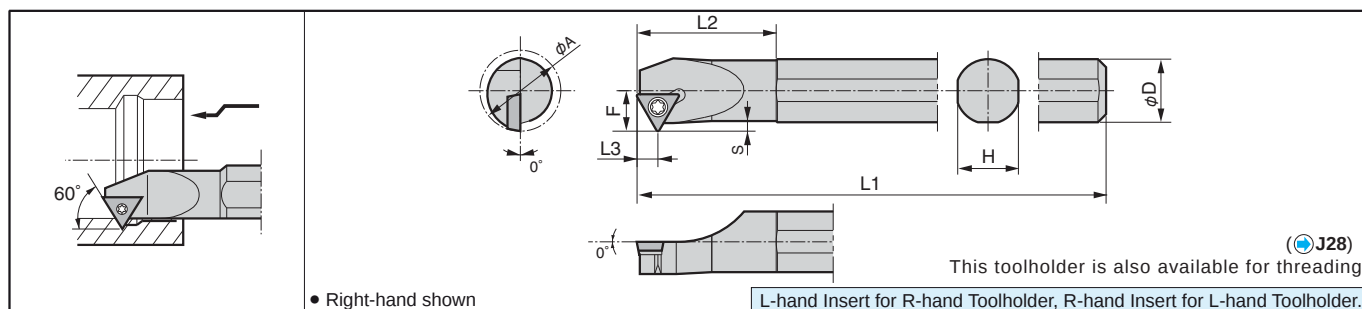
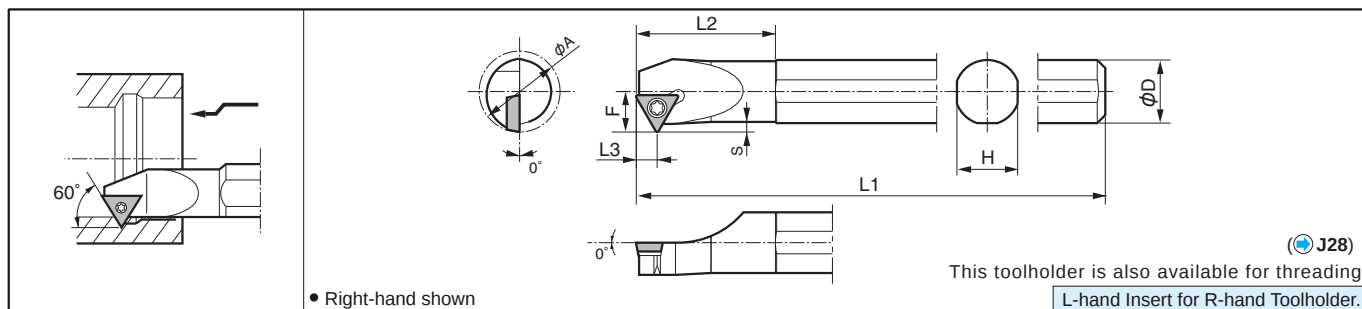


S...STWP-E Excellent Bar (Copying)

Max. Overhang Length L/D=~-5

**S...STWP** Steel Bar (Copying)

Max. Overhang Length L/D=~-3



● Toolholder Dimensions

Description	(Previous Description)	Std.		Min. Bore Dia.	Dimension (mm)								θ	Standard Corner-F (°)	Spare Parts	
		R	L		øA	øD	H	L1	L2	L3	F	S			Clamp Screw	Wrench
																
S10M-STWP ^{R/L} 11 -12E	-	●	●	12	10	9.2	150	23	5.5	6	1.0	0°	0.1	SB-3STR	FT-10	
S12M-STWP ^{R/L} 11 -16E		●	●	16	12	11	150	30		8	1.5					
S16R-STWP ^{R/L} 11 -20E		●	●	20	16	15	200	35		10	2.0					
S20X-STWP ^{R/L} 11 -25E		●	●	25	20	19	220	40	12.5	2.5	SB-3TR					
S20X-STWP ^{R/L} 16 -25E		●	●	25	20	19	220	40	14	4.0		SB-4TR				
S25X-STWP ^{R/L} 16 -32E		●	●	32	25	23	270	42	7.7	16.5	FT-15					
S10M-STWP ^{R/L} 11 -12	SIT ^{R/L} 1210-11	●		12	10	9.2	150	23	5.5	6	1.0	0°	0.1	SB-3STR	FT-10	
S12M-STWP ^{R/L} 11 -16	SIT ^{R/L} 1612-11	●		16	12	11	150	30		8	1.5					
S16Q-STWP ^{R/L} 11 -20	2016-11	●		20	16	15	180	35		10	2.0					
S20R-STWP ^{R/L} 11 -25	2520-11	●		25	20	19	200	40		12.5	2.5					

● Applicable Inserts

Applications	Finishing	Finishing-Medium	Finishing	Finishing / Precision	Medium cutting	Low Feed / Precision	Soft Steel Finishing	Soft Steel Finishing-Medium	Cast Iron
Ref. Page	B61	B61	B62	B63	B62	B63	B61	B61	B63
Insert	GP	HQ	%	%-FSF	%-H	F%-USF	XP	XQ	Without Chipbreaker
Toolholder									
S10M-STWP ^{R/L} 11-12(E)	-	-	TPGH1102..	-	-	-	-	-	TPGB1102..
....STWP ^{R/L} 11....	TPMT1103..	TPMT1103..	TPGH1103..	TPET1103..	TPGH1103..	TPET1103..	TPMT1103..	TPMT1103..	TPGB1103..
....STWP ^{R/L} 16....	TPMT1603..	TPMT1603..	TPGH1603..	-	TPGH1603..	-	TPMT1603..	TPMT1603..	TPGB1603..
Applications	Non-ferrous Metals	Hard Materials							
Ref. Page	C20, C21	C12							
Insert	PCD	CBN							
Toolholder									
S10M-STWP ^{R/L} 11-12(E)	-	-							
....STWP ^{R/L} 11....	TPMH1103.. TPGB1103..	TPGB1103..							
....STWP ^{R/L} 16....	TPMH1603.. TPGB1603..	TPGB1603..							

For recommended cutting conditions, see page ● F77-F78