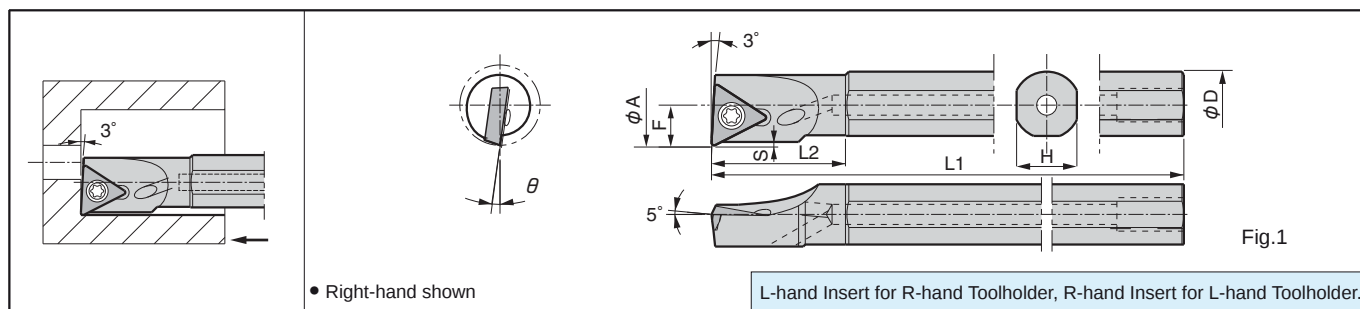
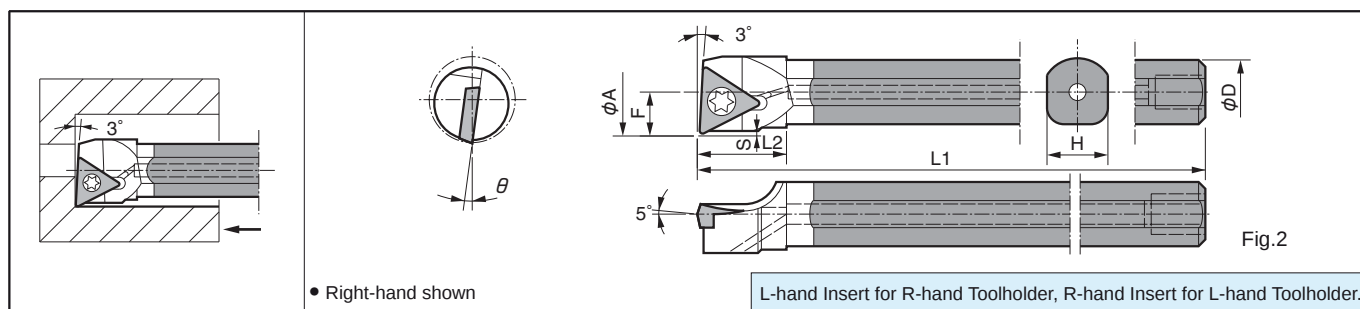


Boring Bar [TP Insert]**A...STUP-E** Excellent Twin-Hole Bar (Boring: with Coolant Hole)

Max. Overhang Length L/D=5

**E...STUP** Carbide Twin-Hole Bar (Boring: with Coolant Hole)

Max. Overhang Length L/D=7



● Toolholder Dimensions (Applicable Inserts list ● F55)

Description	(Previous Description)	Std.		Min. Bore Dia.	Dimension (mm)								θ	Standard Corner-R (r _s)	Drawing	Spare Parts																							
																Clamp Screw	Wrench																						
		R	L		øA	øD	H	L1	L2	L3	L4	F	S																										
A08H -STUP ^{R/L} 08-10E	STUP ^{R/L} 1008B-08EH	●	●	10	8	7	100	17	-	-	5	0.4	10°	0.4	Fig.1	SB-1TR	FT-6																						
A10X -STUP ^{R/L} 09-12E		1210B-09EH	●	●	12	10	9	120			20	6	0.5	8°		0.4	SB-2TR	FT-8																					
A12X -STUP ^{R/L} 09-16E		1612B-09EH	●		16	12	11	25			8	0.5	5°	0.4			Fig.1	SB-3TR	FT-10																				
A10X -STUP ^{R/L} 11-12E		1210B-11EH	●	●	12	10	9	120			20	6	0.6			8°				0.4	Fig.1	SB-3TR	FT-10																
A12X -STUP ^{R/L} 11-14E		1412B-11EH	●	●	14	12	11	120			25	7	0.6			7°								0.4	Fig.1	SB-3TR	FT-10												
STUP ^{R/L} 11-16E		1612B-11EH	●		16							8	0.5			5°				0.4								Fig.1	SB-3TR	FT-10									
A16M -STUP ^{R/L} 11-18E		1816B-11EH	●	●	18	16	15	150			27	9	0.7			4°								0.4							Fig.1	SB-3TR	FT-10						
STUP ^{R/L} 11-20E		2016B-11EH	●	●	20							10	0.9			3°				0.4														Fig.1	SB-3TR	FT-10			
A20Q -STUP ^{R/L} 11-25E		2520B-11EH	●	●	25	20	19	180			33	12.5	0.9			0°								0.4													Fig.1	SB-3TR	FT-10
A20Q -STUP ^{R/L} 16-25E	2520B-16EH	●	●	25	20	19	180	33	12.5	0.9	0°	0.8	Fig.1		SB-4TR	FT-15																							
A25R -STUP ^{R/L} 16-32E	3225B-16EH	●	●	32	25	23.4	200	42	16	0.6										0.8				Fig.1															
E08L -STUP ^{R/L} 08-10	STUP ^{R/L} 1008B-08WH	●	●	10	8	7	140	10	-	-	5	0.4		10°			0.4	Fig.2	SB-1TR																				
E10N -STUP ^{R/L} 09-12		1210B-09WH	●	●	12	10	9	160			11	6		0.5			8°		0.4		Fig.2	SB-2TR	FT-8																
E12Q -STUP ^{R/L} 09-16		1612B-09WH	●	●	16	12	11	180			12	8					5°								0.4	Fig.2	SB-3TR												
E10N -STUP ^{R/L} 11-12		1210B-11WH	●	●	12	10	9	160			11	6		0.6			8°		0.4									Fig.2	SB-3TR	FT-10									
E12Q -STUP ^{R/L} 11-14		1412B-11WH	●	●	14	12	11	180			12	7		0.6			7°														0.4	Fig.2	SB-3TR						
STUP ^{R/L} 11-16		1612B-11WH	●	●	16							8		0.5			5°		0.4															Fig.2	SB-3TR	FT-10			
E16X -STUP ^{R/L} 11-18		1816B-11WH	●	●	18	16	15	220			14	9		0.7			4°														0.4						Fig.2	SB-3TR	FT-10
STUP ^{R/L} 11-20		2016B-11WH	●	●	20							10	0.9	3°	0.4	Fig.2	SB-3TR		FT-10																				
E20S -STUP ^{R/L} 11-25		2520B-11WH	●		25	20	19	250			17	12.5	0.9	0°						0.8				Fig.2							SB-4TR								
E20S -STUP ^{R/L} 16-25	2520B-16WH	●		25	20	19	250	17	12.5	0.9	0°	0.8	Fig.2	SB-4TR	FT-15																								

• Refer Page for details of the applicable Coolant Sleeve / Joint ● F76

● : Std. Item ○ : Check Availability R : Std. Item (R-hand Only) L : Std. Item (L-hand Only)