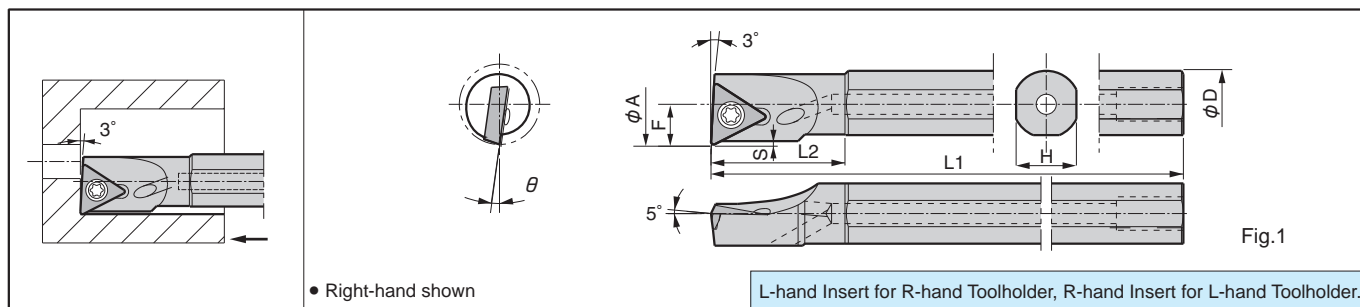


# Boring Bar [TP Insert]

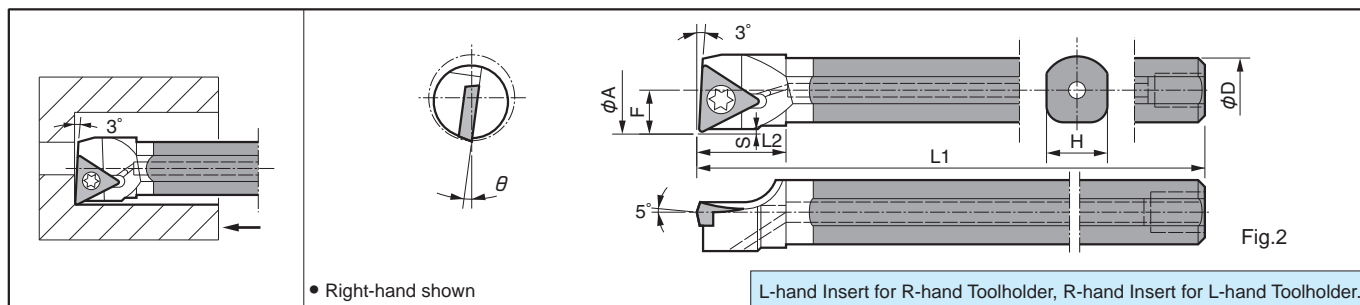
## A...STUP-E Excellent Twin-Hole Bar (Boring: with Coolant Hole)

Max. Overhang Length L/D=--5



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

Max. Overhang Length L/D=--7



• Toolholder Dimensions [Will be switched to Dynamic Bar, see [F85~F88](#) (Alternative Toolholder Reference Table for Boring Bar)]. (Applicable Inserts list [F45](#))

Description	(Previous Description)	Std.		Min. Bore Dia. $\phi A$	Dimension (mm)										$\theta$	Standard Corner-R (r <sub>e</sub> )	Drawing	Spare Parts		
		R	L		$\phi D$	H	L1	L2	L3	L4	F	S	Clamp Screw	Wrench						
<b>A08H -STUP<sup>5</sup>/<sub>L</sub>08-10E</b>	<b>STUP<sup>5</sup>/<sub>L</sub>1008B-08EH</b>	<input type="checkbox"/>	<input type="checkbox"/>	10	8	7	100	17						5	0.4	10°	0.4	Fig.1	SB-1TR	FT-6
<b>A10X -STUP<sup>5</sup>/<sub>L</sub>09-12E</b>		<input type="checkbox"/>	<input type="checkbox"/>	12	10	9	120	20						6	0.5	8°	0.4		SB-2TR	FT-8
<b>A12X -STUP<sup>5</sup>/<sub>L</sub>09-16E</b>		<input type="checkbox"/>	<input type="checkbox"/>	16	12	11	120	25						8	0.5	5°	0.4		SB-3TR	FT-10
<b>A10X -STUP<sup>5</sup>/<sub>L</sub>11-12E</b>		<input type="checkbox"/>	<input type="checkbox"/>	12	10	9	120	20						6	0.6	8°	0.4			
<b>A12X -STUP<sup>5</sup>/<sub>L</sub>11-14E</b> <b>STUP<sup>5</sup>/<sub>L</sub>11-16E</b>		<input type="checkbox"/>	<input type="checkbox"/>	14	12	11	120	25	-	-				7	0.6	7°	0.4			
<b>A16M -STUP<sup>5</sup>/<sub>L</sub>11-18E</b> <b>STUP<sup>5</sup>/<sub>L</sub>11-20E</b>		<input type="checkbox"/>	<input type="checkbox"/>	18	16	15	150	27						9	0.7	4°	0.4		SB-3TR	FT-10
<b>A20Q -STUP<sup>5</sup>/<sub>L</sub>11-25E</b>		<input type="checkbox"/>	<input type="checkbox"/>	20	16	15	150	27						10	0.9	3°	0.4			
<b>A20Q -STUP<sup>5</sup>/<sub>L</sub>16-25E</b>		<input type="checkbox"/>	<input type="checkbox"/>	25	20	19	180	33						12.5	0.9	0°	0.8		SB-4TR	FT-15
<b>A25R -STUP<sup>5</sup>/<sub>L</sub>16-32E</b>		<input type="checkbox"/>	<input type="checkbox"/>	32	25	23.4	200	42						16	0.6	0°	0.8			
<b>E08L -STUP<sup>5</sup>/<sub>L</sub>08-10</b>		<b>STUP<sup>5</sup>/<sub>L</sub>1008B-08WH</b>	<input type="checkbox"/>	<input type="checkbox"/>	10	8	7	140	10						5	0.4	10°		0.4	Fig.2
<b>E10N -STUP<sup>5</sup>/<sub>L</sub>09-12</b>	<input type="checkbox"/>		<input type="checkbox"/>	12	10	9	160	11						6	0.5	8°	0.4	SB-2TR	FT-8	
<b>E12Q -STUP<sup>5</sup>/<sub>L</sub>09-16</b>	<input type="checkbox"/>		<input type="checkbox"/>	16	12	11	180	12						8	0.5	5°	0.4			
<b>E10N -STUP<sup>5</sup>/<sub>L</sub>11-12</b>	<input type="checkbox"/>		<input type="checkbox"/>	12	10	9	160	11						6	0.6	8°	0.4	SB-3TR	FT-10	
<b>E12Q -STUP<sup>5</sup>/<sub>L</sub>11-14</b> <b>STUP<sup>5</sup>/<sub>L</sub>11-16</b>	<input type="checkbox"/>		<input type="checkbox"/>	14	12	11	180	12	-	-				7	0.6	7°	0.4			
<b>E16X -STUP<sup>5</sup>/<sub>L</sub>11-18</b> <b>STUP<sup>5</sup>/<sub>L</sub>11-20</b>	<input type="checkbox"/>		<input type="checkbox"/>	18	16	15	220	14						9	0.7	4°	0.4			
<b>E20S -STUP<sup>5</sup>/<sub>L</sub>11-25</b>	<input type="checkbox"/>		<input type="checkbox"/>	25	20	19	250	17						12.5	0.9	0°	0.8	SB-4TR	FT-15	
<b>E20S -STUP<sup>5</sup>/<sub>L</sub>16-25</b>	<input type="checkbox"/>		<input type="checkbox"/>	25	20	19	250	17						12.5	0.9	0°	0.8			

• Refer Page for details of the applicable Coolant Sleeve / Joint [F77~F79](#)

: Check Availability