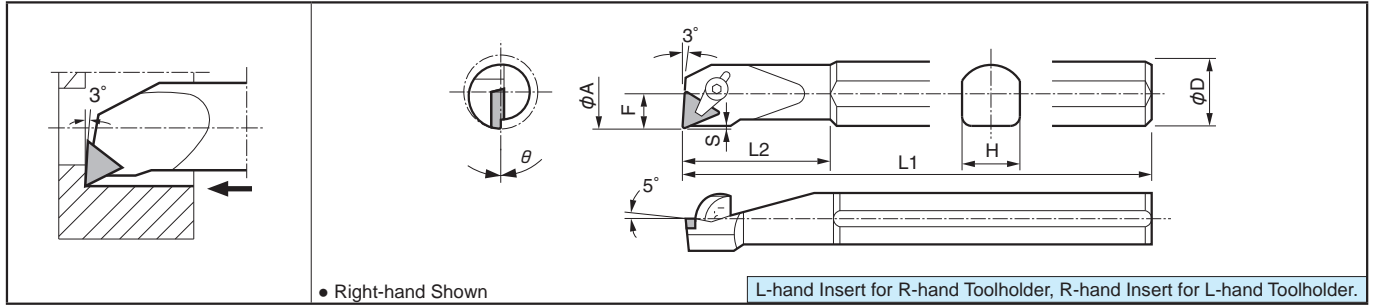


# Boring Bar [TP Insert]

## S...CTUP (Boring)

Max. Overhang Length L/D=--3



### Toolholder Dimensions

Description	(Previous Description)	Std.		Min. Bore Dia.	Dimension (mm)						θ	Standard Corner-R (r)	Spare Parts					
		R	L		φA	φD	H	L1	L2	F			S	Clamp Set	Wrench	Shim	Shim Screw	
S12L-CTUP <sup>R/L</sup> 09-16	CTUP <sup>R/L</sup> 1612B-09	●	<input type="checkbox"/>	16	12	11	140	32	8	0.5	0°	0.4	CPS-1	-	FH-2	-	-	-
S16N-CTUP <sup>R/L</sup> 11-20	2016B-11	●	●	20	16	14	160	30	10	0.5	0°	0.4	-	CPS-2	FH-2.5	-	-	-
S20Q-CTUP <sup>R/L</sup> 11-27	2720B-11	●	●	27	20	18	180	40	13.5	1.3			-	-	-	-	-	-
S25X-CTUP <sup>R/L</sup> 16-34	3425B-16	●	●	34	25	23	220	60	17	1.0	0°	0.8	-	CPS-3	-	LW-3	-	-
S32S-CTUP <sup>R/L</sup> 16-43	4332B-16	●	●	43	32	30	250	70	21.5				KPT-32	SP3X10				
S40X-CTUP <sup>R/L</sup> 16-50	5040B-16	●	●	50	40	37	315	80	25									

### Applicable Inserts

Applications	Finishing	Finishing-Medium	Medium	Medium	Finishing	Finishing-Medium	Cast Iron	Cast Iron	Non-ferrous Metals	Hard Materials
Ref. Page	B70	B70	B70	B70	B70	B70	B70	B92	C23	C15
Insert	GP	HQ	G	Standard	<sup>R/L</sup> -F	<sup>R/L</sup> -□	Without Chipbreaker	Ceramic	PCD	CBN
Toolholder										
...CTUP <sup>R/L</sup> 09...	-	-	TPMR0902..	-	TPGR0902..	-	TPGN0902..	-	TPGN0902..	-
...CTUP <sup>R/L</sup> 11...	TPMR1103..	TPMR1103..	TPMR1103..	TPMR1103..	-	TPGR1103..	TPMN1103.. TPGN1103..	TPGN1103..	TPGN1103..	TPGN1103..
...CTUP <sup>R/L</sup> 16...	TPMR1603..	TPMR1603..	TPMR1603..	TPMR1603..	-	TPGR1603..	TPMN1603.. TPGN1603..	TPGN1603..	TPGN1603..	TPGN1603..

For recommended cutting conditions, see page [F82~F83](#)

