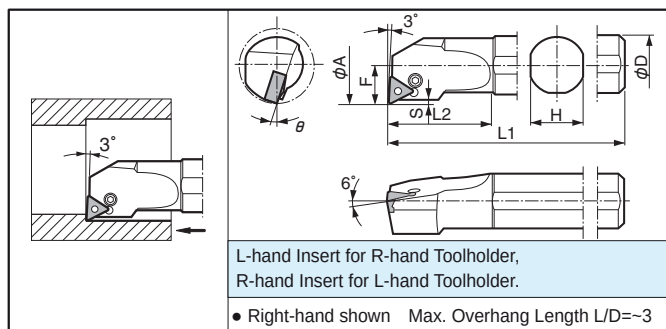
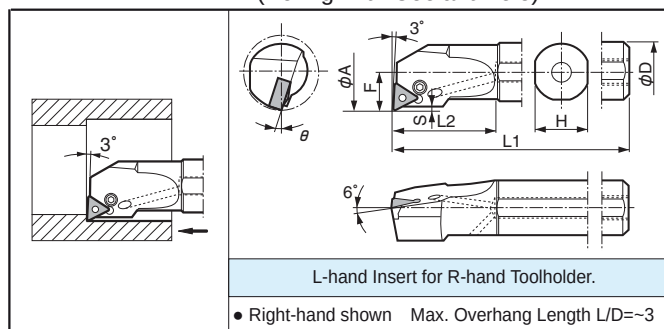


S...PTUN ○○ (Boring)



A...PTUN11 Twin-Hole Bar
(Boring:with Coolant Hole)



● Toolholder Dimensions

Description	(Previous Description)	Std.		Min. Bore Dia.	Dimension (mm)						θ	Standard Corner-R (rε)	Spare Parts					
		R	L		∅A	∅D	H	L1	L2	F			S	Lever	Lock Screw	Shim	Shim Pin	Punch
																		
S16M-PTUN [®] / 11-20	PTUN [®] / 2016B-11 2520B-11 3225B-11	●	●	20	16	15	150	34	11	0.3	18°	0.8			-	P-03S	-	FH-2.5
S20Q-PTUN [®] / 11-25		●	●	25	20	19	180	37	13.2	0.2	17°							
S25R-PTUN [®] / 11-32		●	●	32	25	24	200	42	15.7	0.3	16°							
S25R-PTUN [®] / 16-30	-	●	●	30	25	24	200	42	15.5	1.5	13°	0.8			-	P-03S	-	FH-2.5
S32S-PTUN [®] / 16-40		●	●	40	32	30	250	50	22	2.0	13°							
S40T-PTUN [®] / 16-50		●	●	50	40	37	300	60	27	1.8	11°							
A16M-PTUN [®] / 11-20	PTUN [®] / 2016B-11H 2520B-11H 3225B-11H	●		20	16	15	150	34	11	0.3	18°	0.8			-	P-03S	-	FH-2.5
A20Q-PTUN [®] / 11-25		●		25	20	19	180	37	13.2	0.2	17°							
A25R-PTUN [®] / 11-32		●		32	25	24	200	42	15.7	0.3	16°							

- When using insert with corner R = 1.6mm or longer, purchase and use shim with * mark separately to prevent interference between workpiece and shim.

● Applicable Inserts

Applications	Finishing	Finishing-Medium	Finishing-Medium	Finishing-Medium	Medium-Roughing	Medium-Roughing	Medium-Roughing	Medium-Roughing / High Feed Rate	Medium-Roughing / High Feed Rate	Roughing
Ref. Page	B28	B28	B28	B28	B28	B28	B28, B29	B29	B29	B29
Insert	GP	HQ	CQ	TK	GS	PS	HS / CS	PT	GT	Standard
Toolholder										
---PTUN ^R /L11---	TNMG1104..	TNMG1104..	-	-	TNMG1104..	-	-	-	-	-
---PTUN ^R /L16---	TNMG1604..	TNMG1604..	TNMG1604..	TNMP1604..	TNMG1604..	TNMG1604..	TNMG1604..	TNMG1604..	TNMG1604..	TNMG1604..
Applications	One side / Roughing High Feed Rate	Finishing	Medium-Roughing	Medium-Roughing / Low Cutting Resistance type	Soft Steel Finishing	Soft Steel / Medium cutting	Soft Steel / Roughing	Stainless Finishing	Stainless Medium to Roughing	Stainless Medium to Roughing
Ref. Page	B29	B32	B32	B32	B29	B30	B30	B30	B30	B30
Insert	PX	^R /L-S	^R /L-□	^R /L-25R	XP (-T)	XQ	XS	MQ	MS	TK
Toolholder										
---PTUN ^R /L11---	-	TNGG1104..	TNGG1104..	-	-	-	-	-	-	-
---PTUN ^R /L16---	TNMM1604..	TNGG1604..	TNGG1604..	TNGG1604..	TNMG1604..	TNMG1604..	TNMG1604..	TNMG1604..	TNMG1604..	TNMG1604..
Applications	Stainless Medium to Roughing	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Non-ferrous Metals	Non-ferrous Metals	Non-ferrous Metals	Hard Materials
Ref. Page	B30	B31	B31	B31	B31	B86	B31	B31	C17	C7
Insert	^R /L-ST	C	ZS	GC	Without Chipbreaker	Ceramic	AH	^R /L-A3	PCD	CBN
Toolholder										
---PTUN ^R /L11---	-	-	-	-	-	-	-	-	-	-
---PTUN ^R /L16---	TNMG1604..	TNMG1604..	TNMG1604..	TNMG1604..	TNMA1604.. TNGA1604..	TNGA1604..	TN_G1604..	TNGG1604..	TNMM1604..	TNGA1604..

For recommended cutting conditions, see page **F77~F78**

● Applicable Coolant Sleeve / Joint

Toolholder	Applicable Coolant Sleeve	Applicable Coolant Joint
A16M-PTUN[®]/11-20	SHC1640-70, SHC1650-95	SJS-8
A20Q-PTUN[®]/11-25	SHC2040-70, SHC2050-95	
A25R-PTUN[®]/11-32	SHC2540-70, SHC2550-95	

- For Coolant Sleeve, Coolant Joint, see **F76**.

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

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