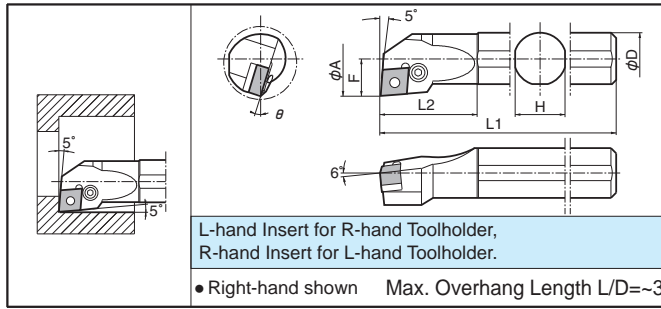
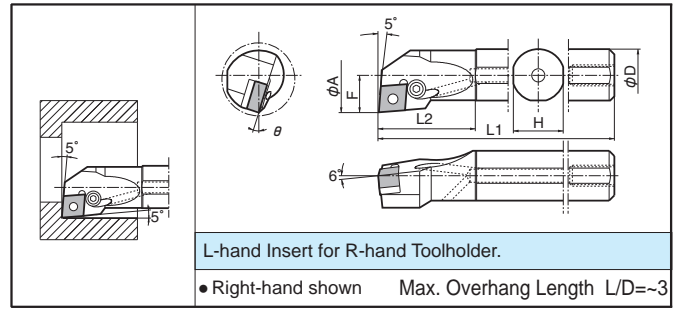


# Boring Bar [CN Negative Insert]

## S...PCLN (Boring / Internal Facing)



## A...PCLN09 (Boring / Internal Facing: with Coolant Hole)



### Toolholder Dimensions

Description	(Previous Description)	Std.		Min. Bore Dia.	Dimension (mm)					θ	Spare Parts						
		R	L		øA	øD	H	L1	L2		F	Lever	Lock Screw	Shim	Shim Pin	Punch	Wrench
S16M-PCLN <sup>°</sup> /L.09-20	PCLN <sup>°</sup> /L.2016B-09	●	●	20	16	15	150	34	11	16°	0.8	LL-03SN	LS-03SN	-	P-03S	-	FH-2.5
S20Q-PCLN <sup>°</sup> /L.09-27	PCLN <sup>°</sup> /L.2720B-09	●	●	27	20	19	180	37	14.2	17°	0.8	LL-1N	LS-1SN	LC-32N	LSP-1	PC-1	FH-2.5
S25R-PCLN <sup>°</sup> /L.09-32	3225B-09	●	●	32	25	24	200	42	15.7	15°	0.8	LL-2N	LS-2N	LC-42N <sup>°</sup>	LSP-2	PC-2	LW-3
S32S-PCLN <sup>°</sup> /L.12-40	PCLN <sup>°</sup> /L.4032B-12	●	●	40	32	30	250	50	21	10°	0.8	LL-2N	LS-2N	LC-42N <sup>°</sup>	LSP-2	PC-2	LW-3
S40T-PCLN <sup>°</sup> /L.12-50	5040B-12	●	●	50	40	37	300	60	25	10°	0.8	LL-2N	LS-2N	LC-42N <sup>°</sup>	LSP-2	PC-2	LW-3
A16M-PCLN <sup>°</sup> /L.09-20	PCLN <sup>°</sup> /L.2016B-09H	●		20	16	15	150	34	11	16°	0.8	LL-03SN	LS-03SN	-	P-03S	-	FH-2.5
A20Q-PCLN <sup>°</sup> /L.09-27	PCLN <sup>°</sup> /L.2720B-09H	●		27	20	19	180	37	14.2	17°	0.8	LL-1N	LS-1SN	LC-32N	LSP-1	PC-1	FH-2.5
A25R-PCLN <sup>°</sup> /L.09-32	3225B-09H	●		32	25	24	200	42	15.7	15°	0.8	LL-1N	LS-1SN	LC-32N	LSP-1	PC-1	FH-2.5

• Shim:LC-42NR for R-hand Toolholder, LC-42NL for L-hand Toolholder.

### Applicable Inserts

Applications	Finishing	Finishing-Medium	Finishing	Finishing-Medium	Finishing-Medium	Finishing-Medium	Finishing-Medium	Finishing-Medium	Medium-Roughing	Medium-Roughing	Medium-Roughing
Ref. Page	B14	B14	B14	B14	B14	B14	B14	B14	B15	B15	B15
Insert	WP (Wiper)	WQ (Wiper)	GP	HQ	CQ	CJ	TK	GS	PS	HS / CS	
Toolholder											
...	-	-	CNMG0904..	CNMG0904..	-	-	-	CNMG0904..	-	-	-
...	CNMG1204..	CNMG1204..	CNMG1204..	CNMG1204..	CNMG1204..	CNMG1204..	CNMP1204..	CNMG1204..	CNMG1204..	CNMG1204..	CNMG1204..
Applications	Medium-Roughing	Medium-Roughing High Feed Rate	Roughing	One side / Roughing* High Feed Rate	Finishing	Medium cutting	Medium-Roughing / Low Cutting Resistance type	Soft Steel Finishing	Soft Steel / Medium cutting	Soft Steel / Roughing	
Ref. Page	B15	B15	B16	B16	B18	B18	B18	B16	B16	B16	
Insert	PT	GT	Standard	PX	<sup>°</sup> /L-S	<sup>°</sup> /L	<sup>°</sup> /L-25R	XP (-T)	XQ	XS	
Toolholder											
...	-	-	-	-	CNGG0904..	CNGG0904..	-	-	-	-	-
...	CNMG1204..	CNMG1204..	CNMG1204..	CNMM1204..	-	CNGG1204..	CNGG1204..	CNMG1204..	CNMG1204..	CNMG1204..	CNMG1204..
Applications	Stainless Finishing	Stainless Medium-Roughing	Stainless Medium to Roughing	Stainless Medium to Roughing	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Non-ferrous Metals
Ref. Page	B17	B17	B17	B17	B17	B17	B18	B18	B85	B18	
Insert	MQ	MS	MU	TK	C	ZS	GC	Without Chipbreaker	Ceramic	AH	
Toolholder											
...	-	-	-	-	-	-	-	-	-	-	-
...	CNMG1204..	CNMG1204..	CNMG1204..	CNMG1204..	CNMG1204..	CNMG1204..	CNMG1204..	CNMA1204.. CNGA1204..	CNMA1204.. CNGA1204..	CN_G1204..	
Applications	Non-ferrous Metals	Non-ferrous Metals	Hard Materials								
Ref. Page	B18	C17	C5								
Insert	<sup>°</sup> /L-A3	PCD	CBN								
Toolholder											
...	-	-	-								
...	CNGG1204..	CNMM1204..	CNGA1204..								

For recommended cutting conditions, see page **F82-F83**

### Applicable Coolant Sleeve / Joint

Toolholder	Applicable Coolant Sleeve	Applicable Coolant Joint
A16M-PCLN <sup>°</sup> /L.09-20	SHC1640-70, SHC1650-95	SJS-8
A20Q-PCLN <sup>°</sup> /L.09-27	SHC2040-70, SHC2050-95	
A25R-PCLN <sup>°</sup> /L.09-32	SHC2540-70, SHC2550-95	

• For Coolant Sleeve, Coolant Joint, see **F78-F79**.

● : Std. Item □ : Check Availability