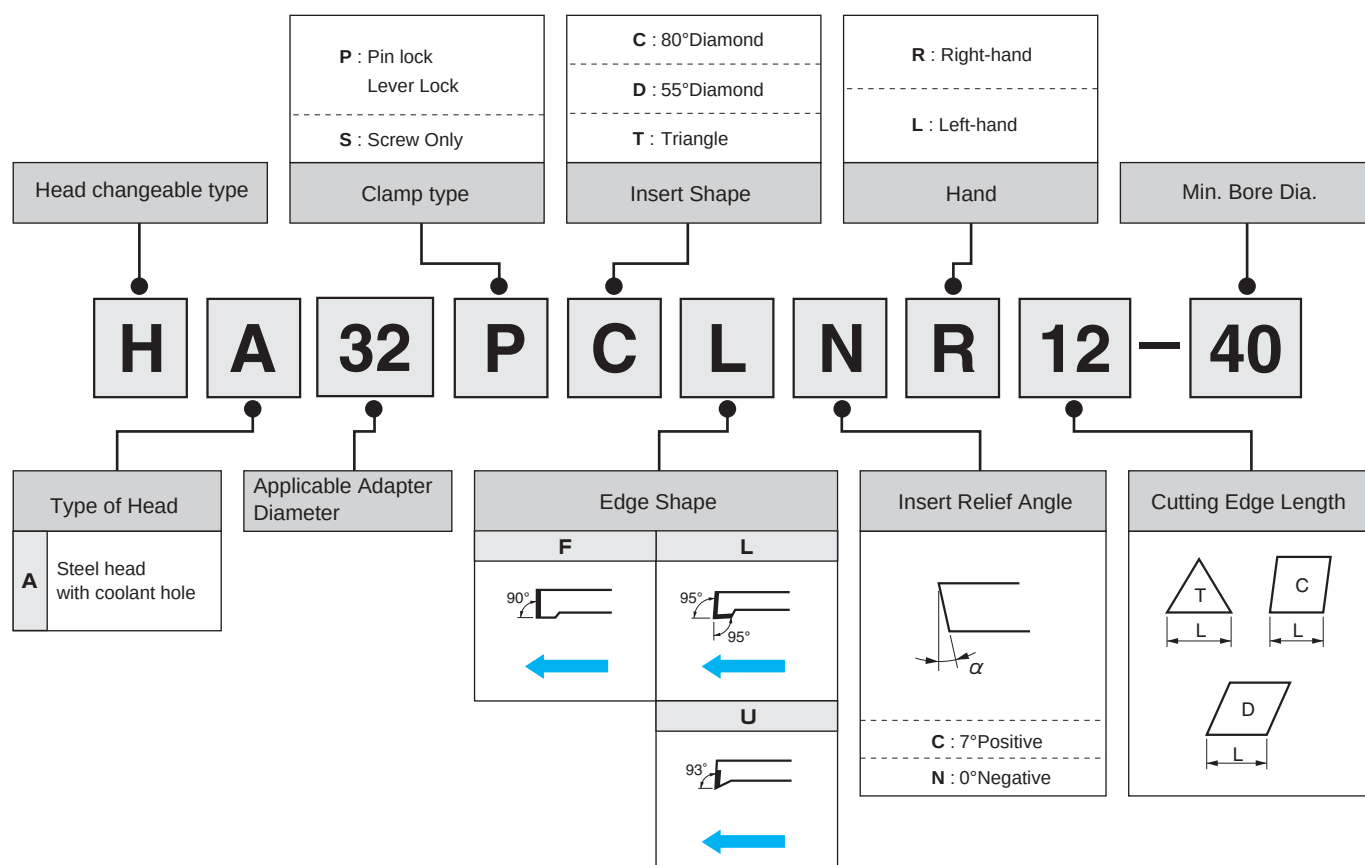


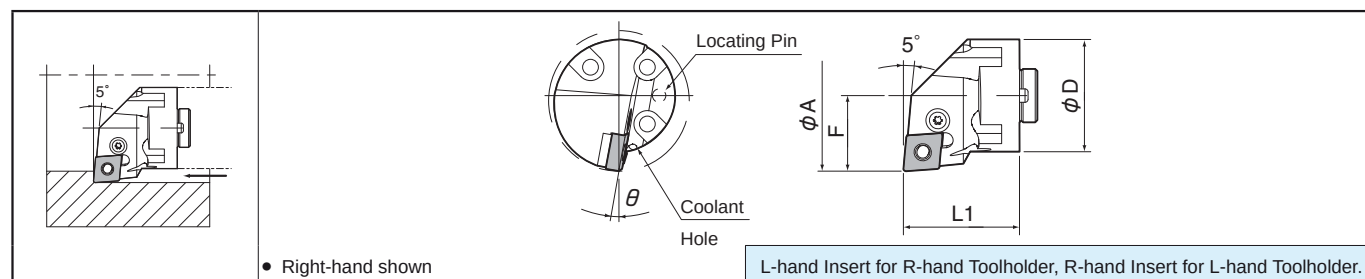
AD Bar Interchangeable Head Boring Bars with Anti-vibration Dampener System

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Identification System for Interchangeable Heads



HA...PCLN12 (Boring / Internal Facing: with Coolant Hole)



Toolholder Dimensions

Description	Std.		Min. Bore Dia.	Dimension (mm)				θ	Standard Corner-R (R)	Spare Parts						Applicable Boring Adapter F45
	R	L		ϕA	ϕD	L1	F			Lever	Lock Screw	Shim	Shim Pin	* Punch	Wrench	
HA32PCLN ^{R/L} 12-40	●	●	40	32	41	22	10°	0.8		LL-2K	LS-2P	LC-4K	LSP-3K	*PC-2K	LTP-15	AD32U
HA40PCLN ^{R/L} 12-50	●	●	50	40												AD40V
HA50PCLN ^{R/L} 12-63	●	●	63	50												AD50W

* Punch: Not included. Purchase separately.

Applicable Inserts

Toolholder	Description		Ref. Page			
			Cermet / Coated Carbide / Carbide	Ceramic	PCD	CBN
HA32PCLN ^{R/L} 12-40	CN○A	1204..	B14~B18	B81	C17	C5
HA40PCLN ^{R/L} 12-50	CN○G					
HA50PCLN ^{R/L} 12-63	CN○M					

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

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