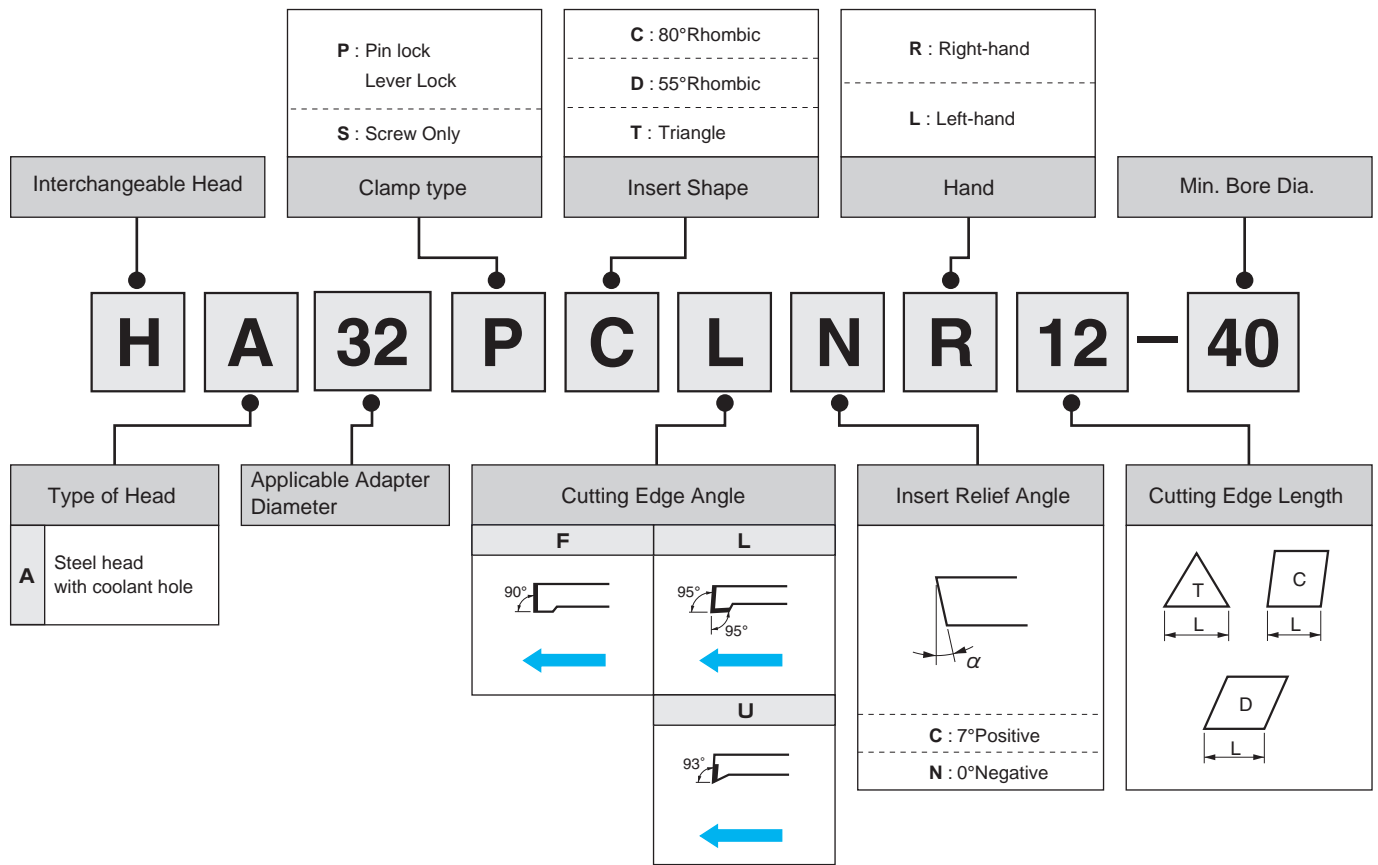
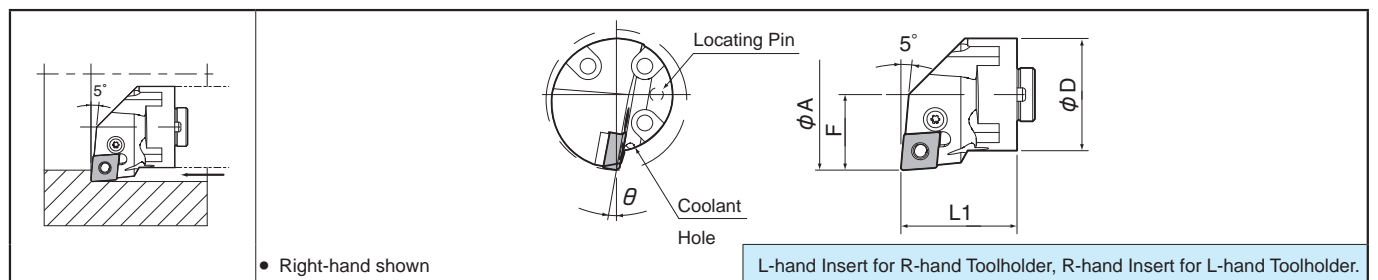


Identification System for Interchangeable Heads



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 F67
	R	L		ϕA	ϕD	L1			F	Lever	Lock Screw	Shim	Shim Pin	* Punch	
HA32PCLN $\frac{1}{2}$ 12-40	●	●	40	32		22	10°	0.8	LL-2K	LS-2P	LC-4K	LSP-3K	*PC-2K	LTP-15	AD32U
HA40PCLN $\frac{1}{2}$ 12-50	●	●	50	40	41	27									AD40V
HA50PCLN $\frac{1}{2}$ 12-63	●	●	63	50		35									AD50W

* Punch: Not included. Purchase separately.

Applicable Inserts

Toolholder	Description	Ref. Page				
		Cermet / Coated Carbide / Carbide	Ceramic	PCD	CBN	
HA32PCLN $\frac{1}{2}$ 12-40	CN○A	1204..	B14~B18	B85	C17	C5
HA40PCLN $\frac{1}{2}$ 12-50	CN○G					
HA50PCLN $\frac{1}{2}$ 12-63	CN○M					

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

● : Std. Item □ : Check Availability