

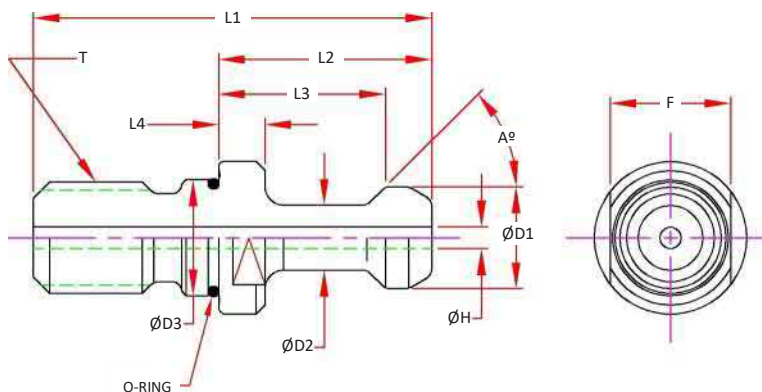
# CAT50

## CAT50 - High Performance Studs

### Features

- Manufactured to the Industry Standards or machine builders specifications.
- Grind Finish to adhere to machine builder recommendations
- Coolant Knobs include O-ring on the thread side pilot diameter to adhere to builder recommendations

**Note:** It is critical that the correct retention knob is used with each machining center. Please verify all dimensions prior to ordering. Machine specifications will be located in your machine manual or contact the machine manufacturer.



Part Number	A Angle	D1 Head	D2 Neck	D3 Pilot	L1 OAL	L2 Proj.	L3 Pull Loc.	L4 Flange	H Hole	Pilot O-Ring	F Flats	T Thread	Socket Wrench	Notes
HPS-C50-MAS-45-C	45	0.906	0.669	1.031	3.354	1.780	1.386	0.402	0.236	Yes †				MAS P50T-1
HPS-C50-MAS-60	60	0.906	0.669	1.024	3.248	1.772	1.378	0.394	-	-	30mm		TWS-M30	MAS P50T-2
HPS-C50-MAS-60-C	60	0.906	0.669	1.024	3.248	1.772	1.378	0.394	0.236	Yes †				MAS P50T-2 Coolant
HPS-C50-ANSI-C	45	1.140	0.820	1.031	2.580	1.000	0.700	0.210	0.457	Yes †	1.250		TWS-125	ANSI B5.50
HPS-C50-MAZAK-COF	45	1.140	0.820	1.031	2.303	1.000	0.700	0.197	0.394	Yes †	1.187		TWS-118	Mazak 16mm C'Bore in Face
HPS-C50-MAZAK-C	45	1.140	0.820	1.031	2.303	1.000	0.700	0.197	0.394	Yes †	1.187	1"-8	TWS-118	Mazak
HPS-C50-OKUMA-C	45	1.140	0.820	1.031	2.580	1.000	0.700	0.210	0.236	Yes †	1.250			Okuma Spec
HPS-C50-MAS-90	90	0.906	0.669	-	3.346	1.780	1.386	0.394	-	-				MAS P50T-3 Mori-Seiki
HPS-C50-MAS-90-C	90	0.906	0.669	1.031	3.346	1.780	1.386	0.394	0.250	Yes †				MAS P50T-3 Coolant
HPS-C50-JIS-C	75	1.102	0.827	1.031	2.913	1.338	0.984	0.197	0.468	Yes †	30mm		TWS-M30	JIS B6339
HPS-C50-KITAMURA-C	75	1.102	0.827	1.031	2.959	1.344	0.990	0.197	0.453	Yes †				Kitamura Spec

† O-Ring added to Pilot, adheres to machine company changes, remove O-Ring if not required