

BT & CT Retention Studs



BT

ORDER NO	DESCRIPTION	FIGURE TYPE	D1 (in)	D2 (in)	D3 (in)	L2 (in)	W (in)	THREAD SIZE	COOLANT HOLE	ANGLE
499-B3045	BT30-TYPE I	4	0.433	0.276	0.492	0.709	0.197	M12 x 1.75P	N	45°
499-B3045H	BT30-TYPE I (C)	4	0.433	0.276	0.492	0.709	0.197	M12 x 1.75P	Y	45°
499-B3060	BT30-TYPE II	4	0.433	0.276	0.492	0.709	0.197	M12 x 1.75P	N	60°
499-B3060H	BT30-TYPE II (C)	4	0.433	0.276	0.492	0.709	0.197	M12 x 1.75P	Y	60°
499-B4045	BT40-TYPE I	4	0.590	0.390	0.669	1.102	0.236	M16 x 2P	N	45°
499-B4045H	BT40-TYPE I (C)	4	0.590	0.390	0.669	1.102	0.236	M16 x 2P	Y	45°
499-B4060	BT40-TYPE II	4	0.590	0.390	0.669	1.102	0.236	M16 x 2P	N	60°
499-B4060H	BT40-TYPE II (C)	4	0.590	0.390	0.669	1.102	0.236	M16 x 2P	Y	60°
499-B4090	BT40-TYPE III	4	0.590	0.390	0.669	1.102	0.236	M16 x 2P	N	90°
499-B4090H	BT40-TYPE III (C)	4	0.590	0.390	0.669	1.102	0.236	M16 x 2P	Y	90°
499-B40USN	BT40-US STD	3	0.740	0.490	0.669	1.102	0.120	M16 x 2P	N	45°
499-B40US	BT40-US STD (C)	3	0.740	0.490	0.669	0.552	0.120	M16 x 2P	Y	45°
PS444X15	BT40-JIS6339	5	0.748	0.551	0.669	0.905	0.275	M16 x 2P	N	15°
PSC444X15	BT40-JIS6339 (C)	5	0.748	0.551	0.669	0.905	0.275	M16 x 2P	Y	15°
499-B5045	BT50-TYPE I	4	0.906	0.669	-	1.378	0.394	M24 x 3P	N	45°
499-B5045H	BT50-TYPE I (C)	4	0.906	0.669	-	1.378	0.394	M24 x 3P	Y	45°
499-B5060	BT50-TYPE II	4	0.906	0.669	-	1.378	0.394	M24 x 3P	N	60°
499-B5060H	BT50-TYPE II (C)	4	0.906	0.669	-	1.378	0.394	M24 x 3P	Y	60°
499-B5090	BT50-TYPE III	4	0.906	0.669	-	1.378	0.394	M24 x 3P	N	90°
499-B5090H	BT50-TYPE III (C)	4	0.906	0.669	-	1.378	0.394	M24 x 3P	Y	90°

BT & CT Retention Studs

CT40

ORDER NO	DESCRIPTION	FIGURE TYPE	D1 (in)	D2 (in)	D3 (in)	L2 (in)	W (in)	THREAD SIZE	COOLANT HOLE	ANGLE
499-C40USN	CT40-US STD	1	0.740	0.490	-	0.440	0.120	5/8"-11UNC	N	45°
499-C40US	CT40-US STD (C)	1	0.740	0.490	-	0.440	0.120	5/8"-11UNC	Y	45°
499-C40USM	CT40-US STD (C)	1	0.740	0.490	-	0.440	0.120	M16 x 2P	Y	45°
499-C40USSN	CT40-US STD	3	0.740	0.490	0.640	0.440	0.120	5/8"-11UNC	N	45°
499-C40USS	CT40-US STD (C)	3	0.590	0.490	0.640	0.440	0.120	5/8"-11UNC	Y	45°
499-C4045	CT40-TYPE I	6	0.590	0.390	-	0.990	0.236	5/8"-11UNC	N	45°
499-C4045H	CT40-TYPE II (C)	6	0.590	0.390	-	0.990	0.236	5/8"-11UNC	Y	45°
499-C4060	CT40-TYPE II	6	0.590	0.390	-	0.990	0.236	5/8"-11UNC	N	60°
499-C4060H	CT40-TYPE III (C)	6	0.590	0.390	-	0.990	0.236	5/8"-11UNC	Y	60°
499-C4090	CT40-TYPE III	6	0.590	0.390	-	0.990	0.236	5/8"-11UNC	N	90°
499-C4090H	CT40-TYPE III (C)	6	0.590	0.390	-	0.990	0.236	5/8"-11UNC	Y	90°
499-C4045M	CT40-TYPE I	6	0.590	0.390	-	0.990	0.236	M16 x 2P	N	45°
499-C4060M	CT40-TYPE II	6	0.590	0.390	-	0.990	0.236	M16 x 2P	N	60°
499-C4090M	CT40-TYPE III	6	0.590	0.390	-	0.990	0.236	M16 x 2P	N	90°
499-C4045T	CT40-TYPE I	7	0.590	0.390	-	0.990	0.120	5/8"-11UNC	N	45°
499-C4045TH	CT40-TYPE I (C)	7	0.590	0.390	-	0.990	0.120	5/8"-11UNC	Y	45°
499-C4060T	CT40-TYPE II	7	0.590	0.390	-	0.990	0.120	5/8"-11UNC	N	60°
499-C4060TH	CT40-TYPE II (C)	7	0.590	0.390	-	0.990	0.120	5/8"-11UNC	Y	60°
499-C4090T	CT40-TYPE III	7	0.590	0.390	-	0.990	0.120	5/8"-11UNC	N	90°
499-C4090TH	CT40-TYPE III (C)	7	0.590	0.390	-	0.990	0.120	5/8"-11UNC	Y	90°
499C4045TM	CT40-TYPE I	7	0.590	0.390	-	0.990	0.120	M16x2P	N	45°
499C4060TM	CT40-TYPE II	7	0.590	0.390	-	0.990	0.120	M16x2P	N	60°
499C4090TM	CT40-TYPE III	7	0.590	0.390	-	0.990	0.120	M16x2P	N	90°
PS470X15	CT40-DIN 15°	2	0.748	0.551	0.640	0.787	0.151	5/8"-11UNC	N	15°
PSC470X15	CT40-DIN 15° (C)	2	0.748	0.551	0.640	0.787	0.151	5/8"-11UNC	Y	15°
PSC471	CT40-US STD W/O-RING	3	0.740	0.4900	0.640	0.490	0.118	5/8"-11UNC	Y	45°
PSC473	CT40-US STD W/O-RING	3	0.740	0.4900	0.640	0.490	0.118	5/8"-11UNC	Y	45°

CT50

ORDER NO	DESCRIPTION	FIGURE TYPE	D1 (in)	D2 (in)	D3 (in)	L2 (in)	W (in)	THREAD SIZE	COOLANT HOLE	ANGLE
499-C50US	CT50-45 STD (C)	1	1.140	0.820	-	0.700	0.200	1"-8UNC	Y	45°
499-C50USM	CT50-45 STD (C)	1	1.140	0.820	-	0.700	0.200	M24 x 3P	Y	45°
499-C50USS	CT50-45 STD (C)	3	1.140	0.820	1.030	0.700	0.200	1"-8UNC	Y	45°
499-C50USO	CT50-45 STD (C)	3	1.140	0.820	1.030	0.700	0.200	1"-8UNC	Y	45°
499-C5045	CT50-TYPE I	6	0.906	0.669	1.030	1.386	0.394	1"-8UNC	N	45°
499-C5045H	CT50-TYPE I (C)	6	0.906	0.669	1.030	1.386	0.394	1"-8UNC	Y	45°
499-C5060	CT50-TYPE II	6	0.906	0.669	1.030	1.386	0.394	1"-8UNC	N	60°
499-C5060H	CT50-TYPE II (C)	6	0.906	0.669	1.030	1.386	0.394	1"-8UNC	Y	60°
499-C5090	CT50-TYPE III	6	0.906	0.669	1.030	1.386	0.394	1"-8UNC	N	90°
499-C5090H	CT50-TYPE III (C)	6	0.906	0.669	1.030	1.386	0.394	1"-8UNC	Y	90°
499-C5045M	CT50-TYPE I	6	0.906	0.669	1.030	1.386	0.394	M24x3P	N	45°
499C5045HM	CT50-TYPE I (C)	6	0.906	0.669	1.030	1.386	0.394	M24x3P	Y	45°
499-C5060M	CT50-TYPE II	6	0.906	0.669	1.030	1.386	0.394	M24x3P	N	60°
499C5060HM	CT50-TYPE II (C)	6	0.906	0.669	1.030	1.386	0.394	M24x3P	Y	60°
499-C5090M	CT50-TYPE III	6	0.906	0.669	1.030	1.386	0.394	M24x3P	N	90°
499C5090HM	CT50-TYPE III (C)	6	0.906	0.669	1.030	1.386	0.394	M24x3P	Y	90°
PS270X15	CT50-DIN 15°	2	1.102	0.826	-	0.984	0.197	1"-8UNC	N	15°
PSC270X15	CT50-DIN 15° (C)	2	1.102	0.826	-	0.984	0.197	1"-8UNC	Y	15°
PS271X15	CT50-DIN 15°	5	1.102	0.826	-	0.992	0.275	1"-8UNC	N	15°
PSC271X15	CT50-DIN 15° (C)	5	1.102	0.826	-	0.992	0.275	1"-8UNC	Y	15°

BT & CT Retention Studs Data Sheet

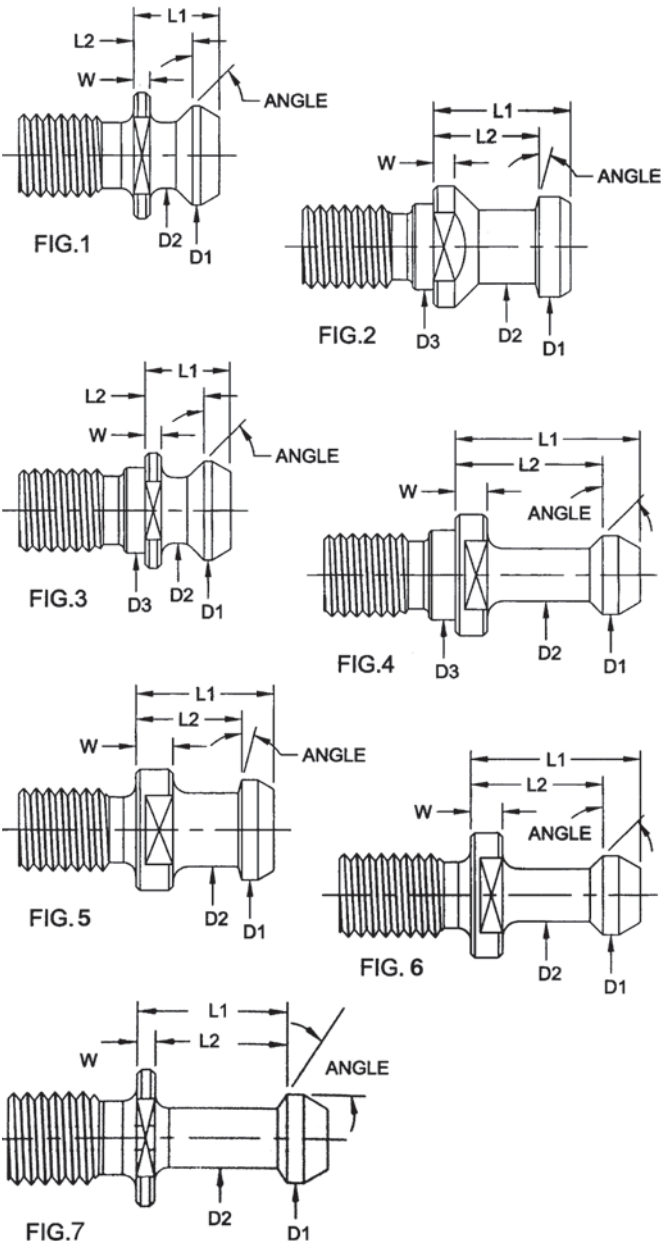


FIGURE		
D1		
D2		
D3		
L1		
L2		
W		
ANGLE		
THREAD SIZE		
MACHINE MAKE		
MACHINE MODEL		
TAPER SIZE		
TAPER STYLE	BT	CT
COOLANT HOLE	YES	NO
O-RING REQUIRED	YES	NO

NOTE: Due to manufacturer's on-going updates, please provide us with a drawing of the required retention stud as well as machine model number, so we can insure we supply you with the correct retention stud.