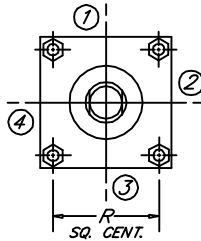
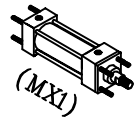


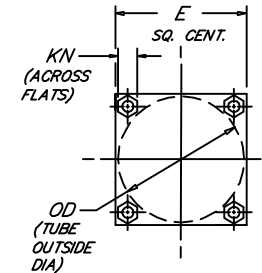
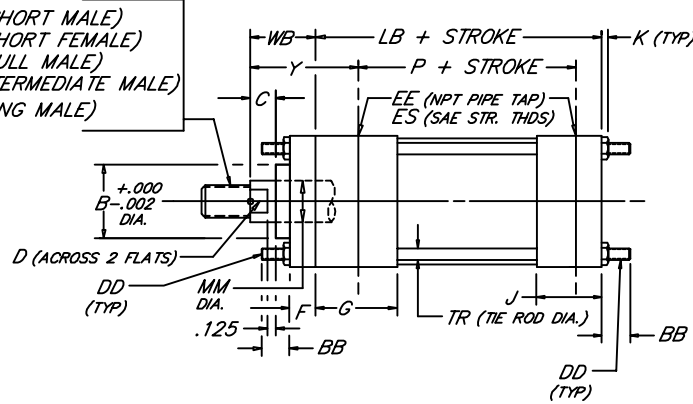
# HEAD & CAP TIE ROD EXTENDED

Peninsular  
Mounting Style: HP 12

Heavy Duty Hydraulic Cylinder • 3000 P.S.I. Working Pressure • 5000 P.S.I. Rated Pressure



KM (SHORT MALE)  
KF (SHORT FEMALE)  
KD (FULL MALE)  
KI (INTERMEDIATE MALE)  
KA (LONG MALE)



6.20

BORE	ROD					ROD THREAD X LENGTH																	NPT/SAE		
	MM	KM & KF	KD	KI	KA	B	BB	C	D	DD	E	EE	ES	F	G	J	K	KN	LB	OD	P	R	TR	WB	Y
1.500	.625	7/16"-20 x .750	5/8"-18 x .750	1/2"-20 x .750	1/2"-20 x 1.125	1.124	1.375	.375	.500	3/8"-24	2.500	1/2	-8	.375	1.750	1.500	.406	.562	4.625	1.875	2.875	1.625	.375	1.000	2.000
	1.000	3/4"-16 x 1.125	1"-14 x 1.125	7/8"-14 x 1.125	7/8"-14 x 1.875	1.499	1.812	.500	.875	1/2"-20	3.000	1/2	-8	.625	1.750	1.500	.531	.750	4.625	2.375	2.875	2.050	.500	1.375	2.375
2.000	1.000	3/4"-16 x 1.125	1"-14 x 1.125	7/8"-14 x 1.125	7/8"-14 x 1.875	1.499	1.812	.500	.875	1/2"-20	3.000	1/2	-8	.625	1.750	1.500	.531	.750	4.625	2.375	2.875	2.050	.500	1.375	2.375
	1.375	1"-14 x 1.625	1 3/8"-12 x 1.625	1 1/4"-12 x 1.625	1 1/4"-12 x 2.500	1.999	2.312	.625	1.125	1/2"-20	3.500	1/2	-8	.625	1.750	1.500	.531	.750	4.750	3.000	3.000	2.550	.500	1.625	2.625
2.500	1.000	3/4"-16 x 1.125	1"-14 x 1.125	7/8"-14 x 1.125	7/8"-14 x 1.875	1.499	1.812	.500	.875	1/2"-20	3.500	1/2	-8	.625	1.750	1.500	.531	.750	4.750	3.000	3.000	2.550	.500	1.375	2.375
	1.375	1"-14 x 1.625	1 3/8"-12 x 1.625	1 1/4"-12 x 1.625	1 1/4"-12 x 2.500	1.999	2.312	.625	1.125	1/2"-20	3.500	1/2	-8	.625	1.750	1.500	.531	.750	4.750	3.000	3.000	2.550	.500	1.625	2.625
3.250	1.375	1"-14 x 1.625	1 3/8"-12 x 1.625	1 1/4"-12 x 1.625	1 1/4"-12 x 2.500	1.999	2.312	.625	1.125	1/2"-20	3.500	1/2	-8	.625	1.750	1.500	.531	.750	4.750	3.000	3.000	2.550	.500	1.625	2.625
	1.750	1 1/4"-12 x 2.000	1 3/4"-12 x 2.000	1 1/2"-12 x 2.000	1 1/2"-12 x 3.000	2.374	2.312	.750	1.500	5/8"-18	4.500	3/4	-12	.750	2.000	1.750	.656	.938	5.500	3.875	3.500	3.250	.625	1.875	3.000
4.000	1.750	1 1/4"-12 x 2.000	1 3/4"-12 x 2.000	1 1/2"-12 x 2.000	1 1/2"-12 x 3.000	2.374	2.312	.750	1.500	5/8"-18	4.500	3/4	-12	.750	2.000	1.750	.656	.938	5.500	3.875	3.500	3.250	.625	1.875	3.000
	2.000	1 1/2"-12 x 2.250	2"-12 x 2.250	1 3/4"-12 x 2.250	1 3/4"-12 x 3.500	2.624	2.312	.875	1.688	5/8"-18	5.000	3/4	-12	.875	2.000	1.750	.656	.938	5.750	4.750	3.750	3.820	.625	2.000	3.125
5.000	2.000	1 1/2"-12 x 2.250	2"-12 x 2.250	1 3/4"-12 x 2.250	1 3/4"-12 x 3.500	2.624	3.188	.875	1.688	7/8"-14	6.500	3/4	-12	.875	2.000	1.750	.875	1.312	6.250	6.000	4.250	4.950	.875	2.000	3.125
	2.500	1 7/8"-12 x 3.000	2 1/2"-12 x 3.000	2 1/4"-12 x 3.000	2 1/4"-12 x 4.500	3.124	3.188	1.000	2.062	7/8"-14	6.500	3/4	-12	.875	2.000	1.750	.875	1.312	6.250	6.000	4.250	4.950	.875	2.250	3.375
6.000	3.000	2 1/4"-12 x 3.500	3"-12 x 3.500	2 3/4"-12 x 3.500	2 3/4"-12 x 5.500	3.749	3.188	1.000	2.625	7/8"-14	6.500	3/4	-12	.875	2.000	1.750	.875	1.312	6.250	6.000	4.250	4.950	.875	2.250	3.375
	3.500	2 1/2"-12 x 3.500	3 1/2"-12 x 3.500	3 1/4"-12 x 3.500	3 1/4"-12 x 6.500	4.249	3.188	1.000	3.000	7/8"-14	6.500	3/4	-12	.875	2.000	1.750	.875	1.312	6.250	6.000	4.250	4.950	.875	2.250	3.375
6.000	2.500	1 7/8"-12 x 3.000	2 1/2"-12 x 3.000	2 1/4"-12 x 3.000	2 1/4"-12 x 4.500	3.124	3.625	1.000	2.062	1"-14	7.500	1	-16	1.000	2.250	2.250	1.000	1.500	7.375	7.000	4.875	5.730	1.000	2.250	3.500
	3.000	2 1/4"-12 x 3.500	3"-12 x 3.500	2 3/4"-12 x 3.500	2 3/4"-12 x 5.500	3.749	3.625	1.000	2.625	1"-14	7.500	1	-16	1.000	2.250	2.250	1.000	1.500	7.375	7.000	4.875	5.730	1.000	2.250	3.500
6.000	3.500	2 1/2"-12 x 3.500	3 1/2"-12 x 3.500	3 1/4"-12 x 3.500	3 1/4"-12 x 6.500	4.249	3.625	1.000	3.000	1"-14	7.500	1	-16	1.000	2.250	2.250	1.000	1.500	7.375	7.000	4.875	5.730	1.000	2.250	3.500
	4.000	3"-12 x 4.000	4"-12 x 4.000	3 3/4"-12 x 4.000	3 3/4"-12 x 7.500	4.749	3.625	1.000	3.375	1"-14	7.500	1	-16	1.000	2.250	2.250	1.000	1.500	7.375	7.000	4.875	5.730	1.000	2.250	3.500

HP 12 DESIGN

FILE: HP12S2.dwg REV: 12-21-06