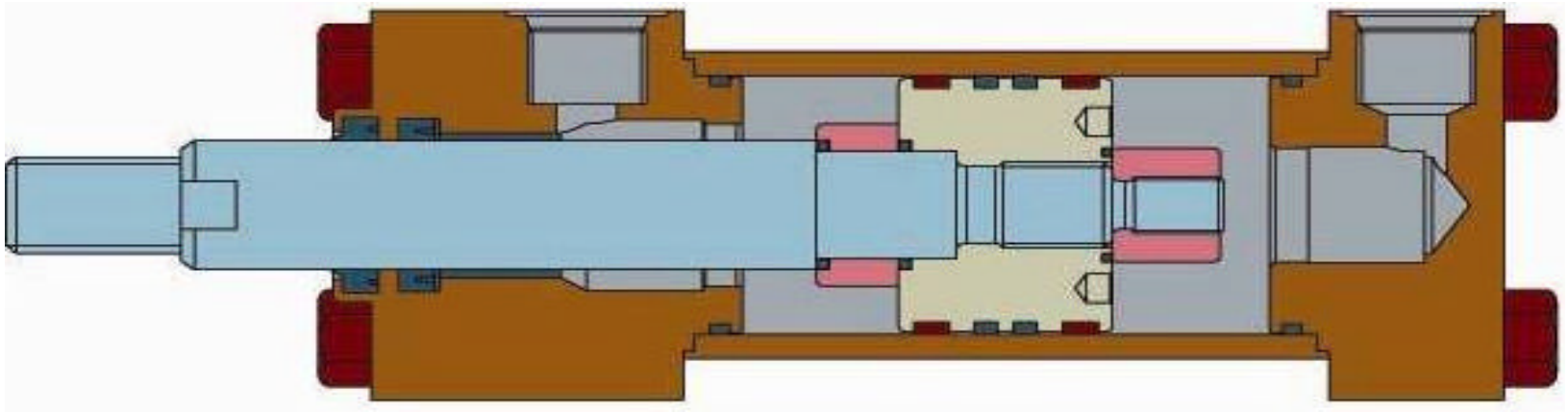
HYDRAULIC CYLINDER



PUSH AND PULL FORCE IN POUNDS

BORE Ø	ROD Ø	OPERATING DIRECTION	PISTON AREA (INCHES)	OPERATING PRESSURE IN psi					
				100	250	500	1000	2000	3000
1 1/2"	5/8"	PUSH	1.767	177	442	884	1767	3534	5301
		PULL	1.460	146	365	730	1460	2920	4380
	1"	PUSH	1.767	177	442	884	1767	3534	5301
		PULL	0.982	98	246	491	982	1964	2946
2"	1"	PUSH	3.142	314	786	1571	3085	6284	9426
		PULL	2.357	236	589	1179	2357	4714	7071
	1 3/8"	PUSH	3.142	314	786	1571	3142	6284	9426
		PULL	1.652	165	413	826	1652	3304	4956
2 1/2"	1"	PUSH	4.909	491	1227	2455	4909	9818	14727
		PULL	4.124	412	1031	2062	4124	8248	12372
	1 3/4"	PUSH	4.909	491	1227	2455	4909	9818	14727
		PULL	2.499	250	625	1250	2499	4998	7497
3 1/4"	1 3/8"	PUSH	8.296	830	2074	4148	8296	16592	24888
		PULL	6.806	681	1702	3403	6806	13612	20418
	2"	PUSH	8.296	830	2074	4148	8296	16592	24888
		PULL	5.154	515	1289	2577	5154	10308	15462
4	1 3/4"	PUSH	12.566	1257	3142	6283	12566	25132	37698
		PULL	10.156	1016	2539	5078	10156	20312	30468
	2 1/2"	PUSH	12.566	1257	3142	6283	12566	25132	37698
		PULL	7.656	766	1914	3828	7656	15312	22968

SR. NO.	DESCRIPTION	MATERIAL
1	CAP	M.S. / C.S.
2	CYLINDER BODY	CARBON STEEL / STAINLESS STEEL
3	PISTON	CARBON STEEL / STAINLESS STEEL
4	CUSHION SLEEVE, HEAD END CUSHION	BRASS
5	CUSHION SUPPORT, CAP END CUSHION	CARBON STEEL / STAINLESS STEEL
6	BOLT, HEAD AND CAP TO BODY	CARBON STEEL / STAINLESS STEEL
7	PISTON ROD, SINGLE ROD TYPE	EN -8 / AISI - 304
8	LIPSEAL, PISTON	NBR.
9	ANTI-ROLL RING, PISTON LIPSEAL	NBR.
10	RETAINING RING, PISTON LIPSEAL	NBR.
11	O-RING, CYLINDER BODY	NBR.