

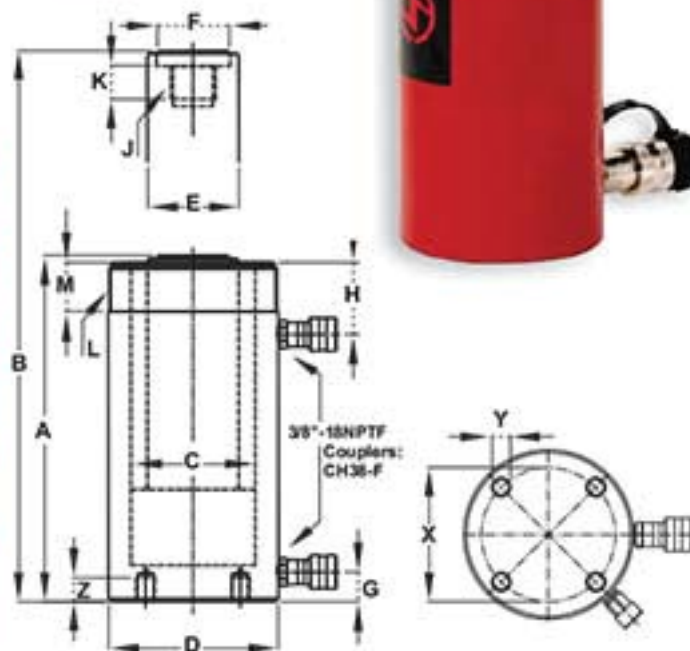
Double Acting Cylinders

- Internal plunger threads.
- Plunger wiper reduces contamination and extends the cylinder-life.
- High strength steel construction manufactured from solid bar.
- High flow 3/8"-18NPTF couplers.
- Collar thread protectors.
- One piece high grade alloy bearing for side load protection and long life.
- Polyurethane cup seal helps to provide an optimal performance.
- Industrial hard chrome plated ram prevents rust and corrosion.
- Maximum working pressure: 700 bar (10,000 psi).



High Tonnage Cylinders
up to 1000 Ton
available on Request!

Model Number	Stroke (mm)	A		B		Oil Capacity		Weight (Kg)
		Min. Height (mm)	Max. Height (mm)	Push (cc)	Pull (cc)			
CYLINDER CAPACITY: PUSH 10 TON & PULL 3.4 TON								
HD1010	255	410	665	367	122	12.1		
HD1012	304	458	762	437	145	13.6		
CYLINDER CAPACITY: PUSH 30 TON & PULL 15 TON								
HD3008	207	389	596	867	426	19.5		
HD3014	368	550	918	1541	758	27.5		
CYLINDER CAPACITY: PUSH 50 TON & PULL 15 TON								
HD5506	157	331	488	1113	323	29.4		
HD5513	335	509	844	2375	690	44.6		
HD5520	511	733	1244	3623	1052	63.7		
CYLINDER CAPACITY: PUSH 75 TON & PULL 24 TON (INCL. 2 CARRY HANDLES)								
HD7506	155	348	503	1608	511	39.9		
HD7513	333	526	859	3456	1098	59.6		
CYLINDER CAPACITY: PUSH 95 TON & PULL 44 TON (INCL. 2 CARRY HANDLES)								
HD10006	167	357	524	2216	1032	60.1		
HD10013	333	524	857	4418	2057	85.2		
HD10018	461	687	1148	6117	2849	110.0		



Capacity	Cylinder Effective Area		Cyl. Bore Ø (mm)	D O.D. (mm)	Plunger		G Base to Inlet Port (mm)	H Top to Inlet Port (mm)	J Internal Thread Ø	K Internal Thread Lqth (mm)	Collar Thread		Base Mounting Hole				
	Push (kN)	Pull (kN)			Push (cm²)	Pull (cm²)					L Internal Thread Ø	M Internal Thread Lqth (mm)	X Pitch Ø (mm)	Y Thread Ø	Z Thread Depth (mm)		
	Push (kN)	Pull (kN)	Push (cm²)	Pull (cm²)	I.D. (mm)	O.D. (mm)	Base to Inlet Port (mm)	Top to Inlet Port (mm)	Internal Thread Ø	Internal Thread Lqth (mm)	Internal Thread Ø	Internal Thread Lqth (mm)	Pitch Ø (mm)	Thread Ø	Thread Depth (mm)		
10 Ton	101	34	14	4	43	73	35	35	36	53	1"-8UNC	25	2 1/4"-14	26	-	-	-
30 Ton	293	144	41	20	73	101	54	50	42	74	1 1/2"-16UN	25	3 5/16"-12	49	-	-	-
50 Ton	496	144	70	20	95	127	79	70	29	73	1"-12UNF	25	5"-12	44	-	-	-
75 Ton	726	231	103	33	115	146	95	70	30	71	1"-12UNF	38	5 3/4"-12	38	-	-	-
100 Ton	928	433	132	61	130	177	95	75	31	75	1 3/4"-12UN	35	6 7/8"-12	50	139	3/4"-10	25.0