



BUILT TO LAST

2008



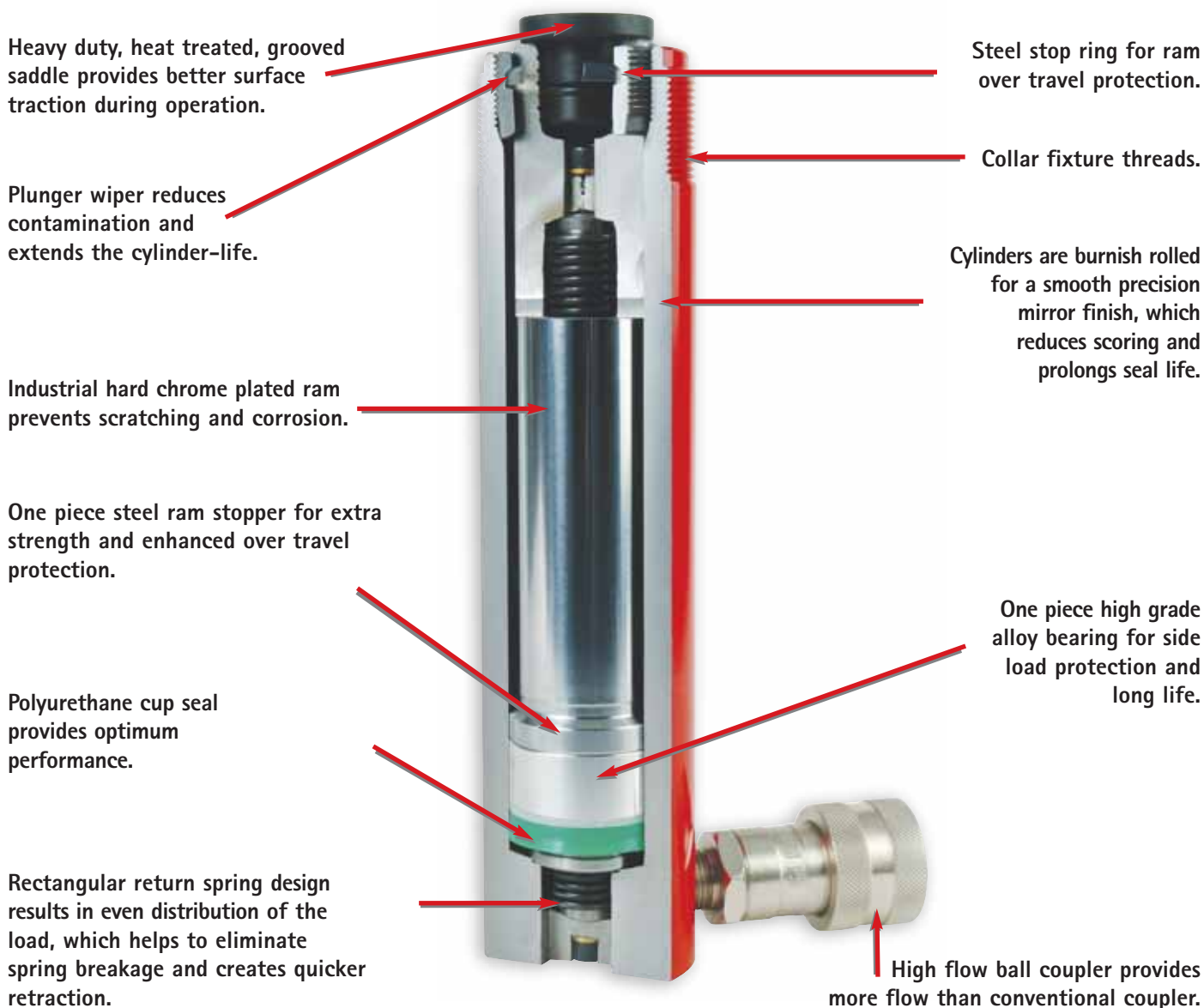
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Single Acting Cylinders

- 39 Models.
- Internal plunger threads.
- Snap in grooved saddles.
- Rod wiper seals out dirt and contamination.
- Collar fixture threads.
- Two base mounting holes on most models.
- High strength steel construction from gun drilled solid bar.
- High flow 3/8" NPTF couplers unless otherwise indicated.
- Collar thread protector.
- One piece high grade alloy bearing for side load protection and long life.
- Polyurethane cup seal provides for optimum performance.
- Industrial hard chrome plated ram helps prevent rust and corrosion.
- Solid steel cylinder body.
- Heavy duty return spring provides quicker retraction.
- Ideal for lifting and pressing.
- Maximum working pressure:
10,000 psi / 700 bar.





Single Acting Cylinders

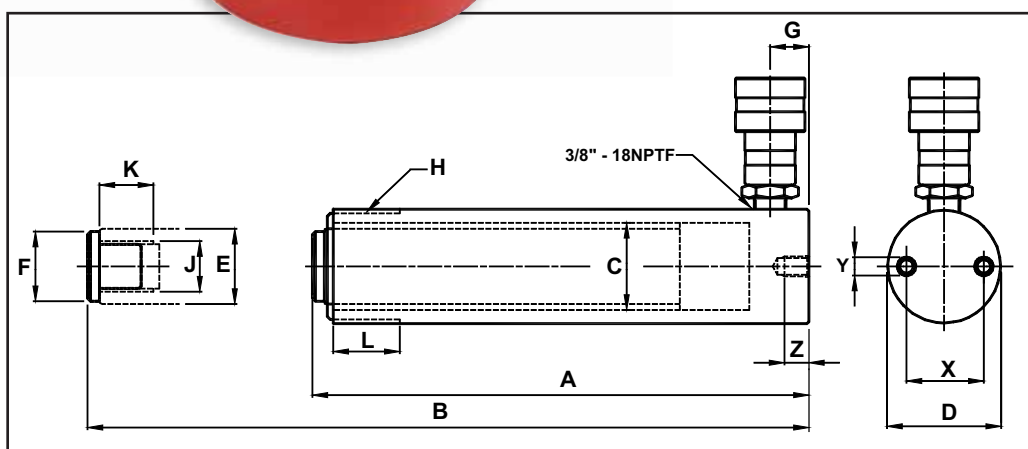


H7513



H2506

H1010



Cylinder Accessories

Saddle



Hose



Gauge



Base





Model Number	Capacity kN	Stroke	Cylinder Effective Area	Oil Capacity	Collapsed		Cylinder Extended		Bore Dia.	Outside Dia.	Plunger Dia.	Saddle Dia.	Collar Base to Inlet Port	Plunger Collar Thread	Plunger Thread Length	Internal Length	Thread Length	Base Mounting Hole			Weight							
					Height A	Height B	C	D										E	F	G		H	L	J	K	X	Y	Z
CYLINDER CAPACITY: 5 TON																												
H0501	45	27	6.4	17.3	116	143	29	38	25	25	20	1 1/2"-16	28	3/4"-16UNF	16	25	1/4"-20UNC	14		1.4								
H0503		78		50.1	169	247														1.6								
H0505		123		83.5	220	350														2.0								
H0507		181		116.3	271	452														2.2								
H0509		232		149.0	322	554														2.6								
CYLINDER CAPACITY: 10 TON																												
H1001	101	25	14.5	36.7	92	117	43	57	38	N/A	20	2 1/4"-14	29	10-24UNC	6	40	5/16"-18UNC	14		2.2								
H1002		51		73.7	123	174														3.0								
H1004		102		147.4	174	276														3.7								
H1006		155		224.0	248	403														4.3								
H1008		206		297.8	299	505														5.4								
H1010		257		371.5	350	607														6.4								
H1012		305		440.9	401	706														6.8								
H1014		356		514.6	450	806														8.2								
CYLINDER CAPACITY: 15 TON																												
H1501	142	25	20.3	51.5	124	149	51	70	41	38	25	2 3/4"-16	30	1"-8UNC	25	48	3/8"-16UNC	13		3.3								
H1502		51		103.4	149	200														4.1								
H1504		101		204.7	200	301														5.1								
H1506		152		308.1	270	422														7.0								
H1508		203		411.4	321	524														8.0								
H1510		254		514.8	372	626														9.3								
H1512		305		618.2	423	728														10.9								
H1514		356		721.6	474	830														11.8								
H1516		407		824.9	529	936														12.8								
CYLINDER CAPACITY: 25 TON																												
H2501	232	26	33.2	86.3	143	169	65	85	57	50	25	3 5/16"-12	49	1 1/2"-16	30	59	1/2"-13UNC	19		6.1								
H2502		51		169.2	168	219														6.6								
H2504		102		338.5	219	321														8.7								
H2506		155		514.3	272	427														10.5								
H2508		206		683.6	323	529														12.3								
H2510		257		852.8	374	631														14.0								
H2512		310		1028.7	426	736														16.3								
H2514		362		1201.2	476	838														17.7								
CYLINDER CAPACITY: 30 TON																												
H3008	287	210	41.9	878.9	387	597	73	102	57	50	50	3 5/16"-12	49	1 1/2"-16	30	N/A	N/A	N/A	18.5									
CYLINDER CAPACITY: 50 TON (INCL. 2 CARRY HANDLES)																												
H5502	496	51	70.9	361.5	176	227	95	127	80	70	31	5"-12	55	N/A	N/A	95	1/2"-13UCN	19		15.5								
H5504		101		715.9	227	328														19.3								
H5506		158		1119.9	283	441														23.5								
H5513		337		2388.7	461	798														36.8								
CYLINDER CAPACITY: 75 TON (INCL. 2 CARRY HANDLES)																												
H7506	726	156	103.9	1620.4	285	441	115	147	95	70	30	5 3/4"-12	44	N/A	N/A	N/A	N/A	N/A		30.6								
H7513		333		3458.8	492	825														52.4								
CYLINDER CAPACITY: 100 TON (INCL. 2 CARRY HANDLES)																												
H10006	928	168	132.7	2229.9	357	525	130	177	105	70	40	6 7/8"-12	44	N/A	N/A	140	3/4"-10UNC	25		52.4								
H10010		260		3451.0	449	709														68.7								



H1006



H3008

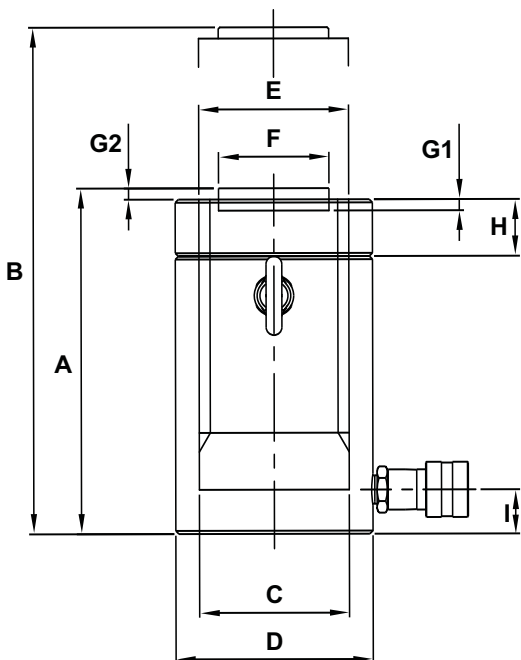


H0505



Lock-nut Cylinders

- Can support the load for a long period.
- The lock nut can be screwed wherever the operator wants and this ensures it is absolute safety to work under the load.
- Ram and the housing inside of cylinder are chrome plated to prevent rust and corrosion.
- Two overflow ports in the support rings to avoid the ram overextend.
- Yellow warning line in the ram to help alerting to the operator that the stroke limit is reached.
- Maximum working pressure: 10,000 psi / 700 bar.



HLN10012



HLN5012

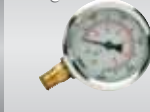
Model Number	Capacity kN	Stroke	Cylinder Effective Area	Oil Capacity	Collapsed Height	Extended Height	Cylinder Bore Dia.	Outside Dia.	Plunger Outside Thread	Saddle Dia.	Plunger Saddle Depth	Plunger Saddle Depth	Plunger Saddle Depth	Lock Nut Length	Base to Inlet Port	Weight
					A	B	C	D	E	F	G	G1	G2	H	I	
					(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
CYLINDER CAPACITY: 50 TON																
HLN5502	496	50.0	70.9	354.5	164.0	214.0	95.0	125.0	Tw95-6N	70.0	15.0	2.0	13.0	36.0	28.0	15.4
HLN5504		100.0	70.9	709.0	214.0	314.0	95.0	125.0		70.0	15.0	2.0	13.0	36.0	28.0	20.2
HLN5506		150.0	70.9	1063.5	264.0	414.0	95.0	125.0		70.0	15.0	2.0	13.0	36.0	28.0	25.0
HLN5508		200.0	70.9	1418.0	314.0	514.0	95.0	125.0		70.0	15.0	2.0	13.0	36.0	28.0	29.9
HLN5510		250.0	70.9	1772.5	364.0	614.0	95.0	125.0		70.0	15.0	2.0	13.0	36.0	28.0	34.7
HLN5512		300.0	70.9	2127.0	414.0	714.0	95.0	125.0		70.0	15.0	2.0	13.0	36.0	28.0	39.5
CYLINDER CAPACITY: 95 TON																
HLN10002	929	50.0	70.9	354.5	187.0	237.0	130.0	165.0	Tw130-4N	70.0	15.0	2.0	13.0	45.0	28.0	30.5
HLN10004		100.0	70.9	709.0	237.0	337.0	130.0	165.0		70.0	15.0	2.0	13.0	45.0	28.0	38.9
HLN10006		150.0	70.9	1063.5	287.0	437.0	130.0	165.0		70.0	15.0	2.0	13.0	45.0	28.0	47.3
HLN10008		200.0	70.9	1418.0	337.0	537.0	130.0	165.0		70.0	15.0	2.0	13.0	45.0	28.0	55.6
HLN10010		250.0	70.9	1772.5	387.0	637.0	130.0	165.0		70.0	15.0	2.0	13.0	45.0	28.0	64.0
HLN10012		300.0	70.9	2127.0	437.0	737.0	130.0	165.0		70.0	15.0	2.0	13.0	45.0	28.0	72.4

Cylinder Accessories

Hose



Gauge



Hand Pump



Air Pump





Threaded Cylinders

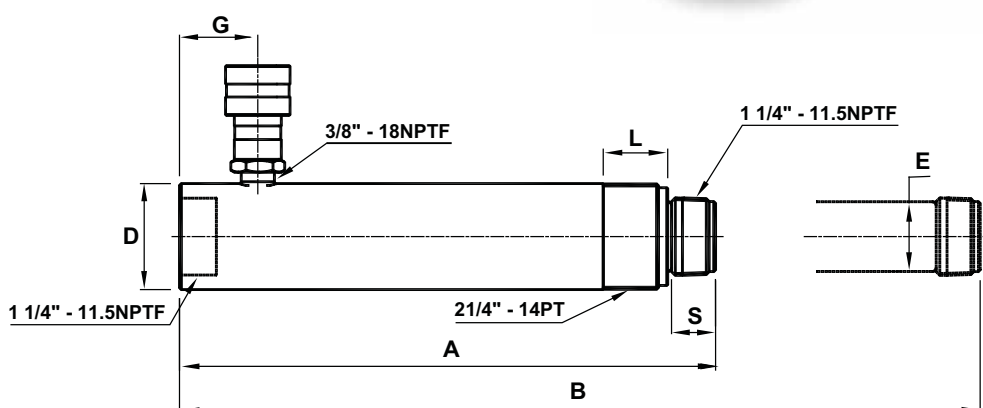
- High quality threaded single acting cylinders.
- Removable threaded plunger adapter allows for the use of a variety of threaded attachments.
- Used to attach accessories to rod end and base.
- Maximum working pressure: 10,000 psi / 700 bar.



HT1006



HT1010

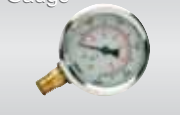


Model	Capacity	Stroke	Cylinder Effective Area	Oil Capacity	Collapsed Height	Extended Height	Outside Dia.	Plunger Dia.	Base to Inlet Port	Collar Thread Length	Saddle Height	Weight
					A	B	D	E	G	L	S	
		(mm)	(cm²)	(cm³)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
CYLINDER CAPACITY: 10 TON												
HT1006	101	155	14.5	224.0	292	447	57	38	42	29	27	4.8
HT1010		257		371.4	394	651						6.4

Hose



Gauge



Air Pump





Flat Body Cylinders

- Made of high quality steel.
- Extremely low design for use in narrow areas where standard cylinders will not fit.
- Maximum working pressure 10,000 psi / 700 bar.

HF0503



HF0500



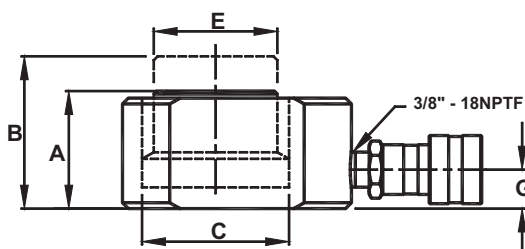
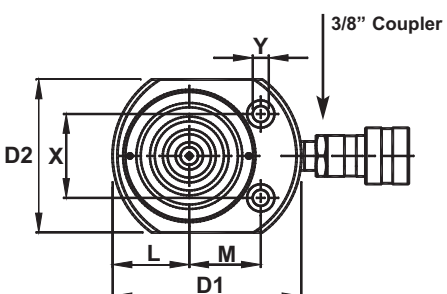
HF3005



Incl. 1 Carry Handle

- 75, 100 and 150 Ton Flat Body Cylinders are provided with Carry Handle.

HF10006



Model Number	Capacity kN	Stroke	Cylinder Effective Area	Pressure at Capacity	Oil Capacity	Min. Height	Max. Height	Cylinder Bore Dia.	Outside Dim.	Plunger Dia.	Base to Port	Plunger to Base	Plunger to Mtg. Hole	Cylinder Mounting Hole Dimensions				Weight
						A	B	C	D1 x D2	E	G	L	M	Hole Pitch	Hole Dia	Counter Bore Dia	Counter Bore Depth	
		(mm)	(cm²)	(bar)	(cm³)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
CYLINDER CAPACITY: 5 TON (49 kN)																		
HF0500	49	16	7.1	700	11.3	41.5	57.5	30	60 x 40	25	19	20	22	28	5	8	4	1.3
CYLINDER CAPACITY: 5 TON (49 kN) 1/4" COUPLER																		
HF0503	49	6	7.1	627	4.3	32	38.0	30	61 x 41	25	18	20	22	38	5	8	4	0.6
CYLINDER CAPACITY: 10 TON																		
HF1005	104	11	15.2	584	16.7	43	54.0	44	84 x 56	38	20	28	34	37	7	11	8	1.5
CYLINDER CAPACITY: 20 TON																		
HF2005	194	11	28.3	630	31.1	51	62.0	60	102 x 76	51	19	39	40	49	10	15	10	2.7
CYLINDER CAPACITY: 30 TON																		
HF3005	287	13	41.9	637	54.5	59	71.7	73	117 x 97	64	20	48	45	52	10	16	11	4.4
CYLINDER CAPACITY: 50 TON																		
HF5006	445	16	63.6	699	101.8	67	83.0	90	114 x 114	70	20	57	54	67	11	19	13	6.7
CYLINDER CAPACITY: 75 TON (INCL. HANDLE)																		
HF7506	727	16	103.9	642	166.2	79.5	95.5	115.0	165 x 140	89.9	19.6	69.9	66.9	76	13	21	14	11.5
CYLINDER CAPACITY: 100 TON (INCL. HANDLE)																		
HF10006	887	16	126.7	702	202.7	85.5	101.5	127.0	177 x 152	90.0	20.1	76.2	74.7	76	13	21	14	14.3
CYLINDER CAPACITY: 150 TON (INCL. HANDLE)																		
HF15006	1385	16	197.9	674	316.6	100.0	116.0	158.8	215 x 190	118.0	23.9	95.3	82.6	117	13	21	14	24.2

Cylinder Accessories

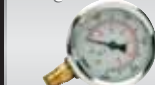
Fitting



Hose



Gauge



Hand Pump

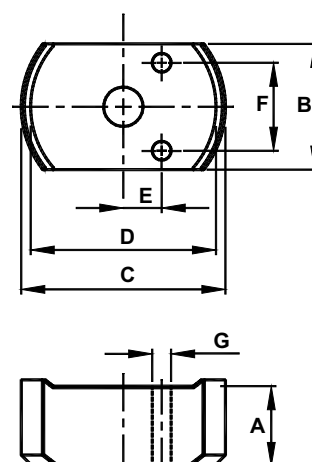


Flat Body Cylinder Kit

- Various height magnetic adapters.
- Carrying case.
- Perfect for narrow areas needing a little height boost.
- Maximum working pressure: 10,000 psi / 700 bar.



HF0503



Model Number	Cylinder Model	Capacity kN	Stroke	Oil Capacity	Collapsed Height	Adapter	Adapter Dimensions (mm)							Weight
			(mm)	(cm³)	(mm)		A	B	C	D	E	F	G	(kg)
CYLINDER CAPACITY: 5 TON														
HF0503B	HF0503	49	6	4.3	32	I	6	41	65	59	12	28	6	2.6
						II	13							
						III	25							
						IV	32							
CYLINDER CAPACITY: 10 TON														
HF1005B	HF1005	104	11	16.7	43	I	10	56	90	82	21	37	7	3.9
						II	20					N/A		
						III	40							
CYLINDER CAPACITY: 20 TON														
HF2005B	HF2005	194	11	31.1	51	I	10	76	108	100	27	49	10	7.0
						II	20					N/A		
						III	40							
CYLINDER CAPACITY: 30 TON														
HF3005B	HF3005	287	13	54.5	59	I	10	95	121	113	34	52	10	9.4
						II	20					N/A		
						III	40							

Fitting



Hose



Gauge



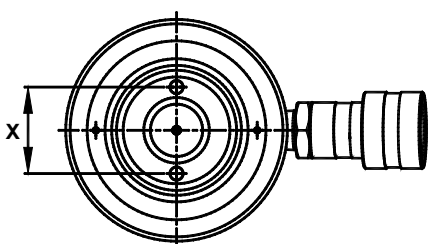
Hand Pump



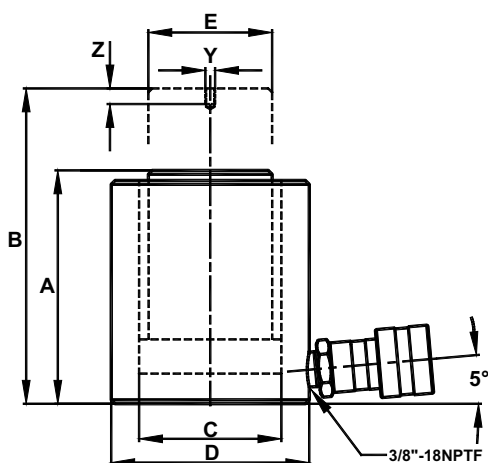


Low Profile Cylinders

- Compact design for use in confined spaces.
- Plunger wiper reduces contamination and extends the cylinder-life.
- Special designed return spring ensures a quick retraction and extends the life of the spring.
- Industrial hard chrome plated ram helps prevent scratching and corrosion.
- Plunger end is grooved to reduce load slipping.
- Includes high flow ball coupler and dust cap.
- HL1001, HL2002 and HL3002 coupler is tilted upward for added clearance.
- Maximum working pressure: 10,000 psi / 700 bar.



HL1001



Model Number	Capacity kN	Stroke (mm)	Cylinder Effective Area (cm²)	Internal Pressure at Capacity (bar)	Oil Capacity (cm³)	Collapsed Height	Extended Height	Cylinder Bore Dia.	Outside Dia.	Plunger Dia.	Thread	Thread Depth	Bolt Circle	Weight (kg)
						A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	G (mm)	L (mm)	M (mm)	
CYLINDER CAPACITY: 10 TON														
HL1001	106	38.0	15.2	587	57.8	89	127	44	70	38.0	M4	8	26	2.5
CYLINDER CAPACITY: 20 TON														
HL2002	198	44.5	28.3	631	125.9	99	144	60	92	51.0	M4	8	40	5.0
CYLINDER CAPACITY: 30 TON														
HL3002	293	62.0	41.8	637	259.3	117	179	73	102	63.5	M5	8	40	6.8
CYLINDER CAPACITY: 45 TON														
HL5002	445	60.0	63.6	698	381.6	122	182	90	124	70.0	M5	8	40	9.9
CYLINDER CAPACITY: 90 TON														
HL10002	887	57.0	126.7	702	722.2	141	198	127	165	90.0	M8	10	74	20.6

Cylinder Accessories

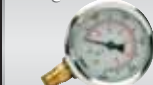
Fitting



Hose



Gauge



Hand Pump





Pull Cylinders

- High strength steel construction.
- Guide ring is designed to help protect against side-load damage.
- High lifecycle polyurethane seal.
- External plunger threads.
- Internal base thread for easy fixation.

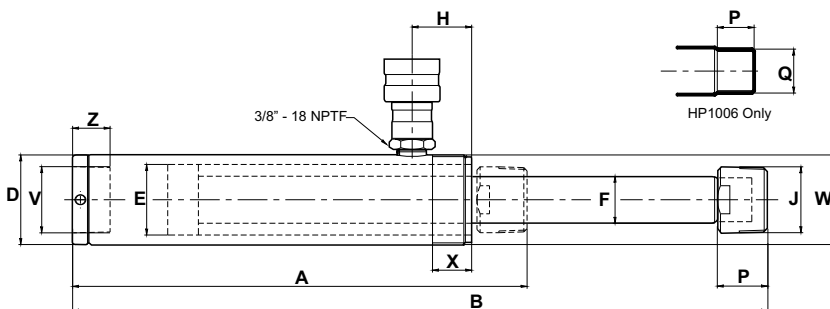
HP0205



HP0505



HP1006



Model Number	Capacity kN	Stroke	Cylinder Effective Area	Oil Capacity	Min. Height	Max. Height	Outside Dia.	Cylinder Bore Dia.	Plunger Dia.	Top to Inlet Port	Saddle Dia.	Plunger Thread Length	Plunger Outside Thread	Base Mounting Hole				Weight							
					A	B								D	E	F	H		J	P	Q	V	W	X	Z
					(mm)	(mm)								(mm)	(mm)	(mm)	(mm)		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
CYLINDER CAPACITY: 2.5 TON																									
HP0205	25	127	3.6	45.6	267	394	48.0	28.6	19	42	3/4"-14NPTF	28	-	3/4"-14NPTF	1 1/2"-16UN	24	-	2.9							
CYLINDER CAPACITY: 5 TON																									
HP0505	51	141	7.4	103.9	303	444	57.2	42.9	30	38	1 1/4"-11.5NPTF	32	-	1 1/4"-11.5NPTF	2 1/4"-14UN	25	-	4.2							
CYLINDER CAPACITY: 10 TON																									
HP1006	110	151	15.7	237.3	299	450	85.0	55.0	32	38	-	26	M30X2	M30X2	M85X2	25	25	9.5							

Saddles



Hose



Gauge



Hand Pumps



Air Pump





Hollow Cylinders

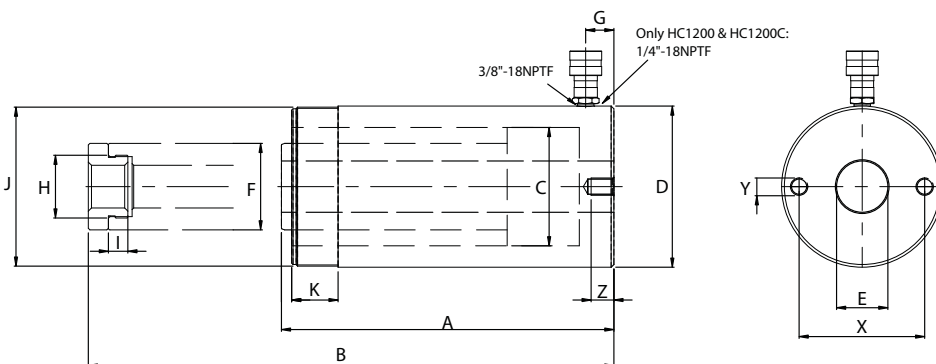
- Heavy duty return spring.
- Dual Plunger wipers help prevent contamination.
- Collar thread for easy fixation.
- High flow coupler with dust cap.



HC3002T



HC3006T



HC10003T

Model Number	Capacity kN (mm)	Stroke (cm ²)	Cylinder Effective Area (cm ²)	Oil Capacity (mm)	Min. Ht.	Max. Ht.	Cyl. Bore Dia.	O.D.	Plunger				Collar Thread		Base to Inlet Port (mm)	Base Mounting Hole			Operating Pressure	Weight	
					A	B	C		D	E	F	Internal Thread	Internal Thread Lgth	Dia		Lgth.	Bolt Circle	Thread			Thread Depth
					(mm)	(mm)	(mm)		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)		(mm)	(mm)	(mm)			(mm)
CYLINDER CAPACITY: 12 Ton																					
HC1201T	118	7.8	18.8	15	60.0	67.8	55.0	70.0	19.5	35	3/4"-16UN	16	2 3/4"-16	30.0	14.5	50.8	5/16"-18UNC	9.0	700	1.5	
HC1202XT		41.0		77	120.5	161.5					-	-			15.0				700	2.8	
HC1202T		41.0		77	120.5	161.5					3/4"-16UN	16			15.0				700	2.8	
HC1203XT		76.0		143	184.0	260.0					-	-			19.0				700	3.9	
CYLINDER CAPACITY: 20 Ton																					
HC2002T	221	51.0	31.6	161	162.0	213.0	75.0	99.5	27	54.7	1 9/16"-16UN	10	3 7/8"-12	38.0	19.0	82.5	3/8"-16UNC	9.4	700	7.2	
HC2006T		154.0		487	306.0	460.0									19.0				700	13.4	
CYLINDER CAPACITY: 30 Ton																					
HC3002T	286	64.0	40.8	260	179.0	243.0	85.	114.3	33.3	63	1 13/16"-16UN	17	4 1/2"-12	42.2	23.0	92.0	3/8"-16UNC	14.0	700	10.4	
HC3006T		155.3		633	330.7	486.0									23.0				700	19.5	
CYLINDER CAPACITY: 60 Ton (Incl. 2 Carry Handles)																					
HC6003T	589	76.1	84.2	641	248.2	324.3	125.0	158.8	54.0	93.0	2 3/4"-16UN	17	6 1/4"-12	48.5	27.0	130.0	1/2"-13UNC	14.0	700	29.8	
HC6006T		152.3		1282	324.2	476.5									27.0				700	36.8	
CYLINDER CAPACITY: 100 Ton (Incl. 2 Carry Handles)																					
HC10003T	1000	76.1	142.8	1087	254.0	330.1	165.0	213.0	79.0	125.0	4"-16UN	21	8 3/8"-12	60.5	27.0	178.0	5/8"-11UNC	19.0	700	51.4	

Cylinder Accessories

Fitting



Hose



Gauge



Hand Pump

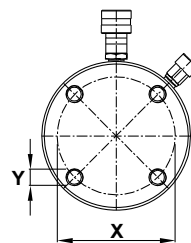
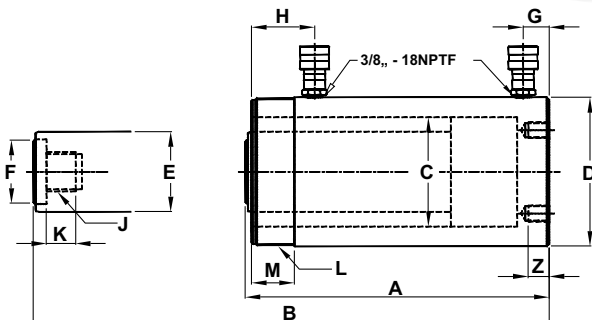


Double Acting Cylinders

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



HD5513



HD10018

Model Number	Capacity		Stroke	Cylinder Effective Area		Oil Capacity		Min. Height	Max. Height Dia.	Cylinder Bore	Outside Dia.	Plunger Dia.	Saddle Dia. Port	Base to Adv. Port	Top to Return Thread	Plunger Internal Length	Plunger Thread	Color Thread	Color Thread Length	Base Mounting Hole			Weight
	Push	Pull		Push	Pull	Push	Pull													Bolt Circle	Thread	Thread Depth	
	kN	kN		(mm)	(cm²)	(cm²)	(cm³)													(cm³)	(mm)	(mm)	
CYLINDER CAPACITY: PUSH 10 TON & PULL 3.4 TON																							
HD1010	101	34	255	14.4	4.8	122.4	367.2	410	665	42.9	73.0	34.9	35.0	36.0	53.0	1"-8	25.0	2 1/4-14	26.0	-	-	-	12.1
HD1012			304	14.4	4.8	145.9	437.8	458	762	42.9	73.0	34.9	35.0	36.0	53.0	1"-8	25.0	2 1/4-14	26.0	-	-	-	13.6
CYLINDER CAPACITY: PUSH 30 TON & PULL 15 TON																							
HD3008	293	144	207	41.9	20.6	426.4	867.3	389	596	73.0	101.0	54.1	50.0	42.0	74.0	1 1/2-16	25.0	3 5/16"-12	49.0	-	-	-	19.5
HD3014			368	41.9	20.6	758.1	1541.9	550	918	73.0	101.0	54.1	50.0	42.0	74.0	1 1/2-16	25.0	3 5/16"-12	49.0	-	-	-	27.5
CYLINDER CAPACITY: PUSH 50 TON& PULL 15 TON																							
HD5506	496	144	157	70.9	20.6	323.4	1113.1	331	488	95.0	127.0	79.5	70.0	29.0	73.0	1"-12	25.0	5"-12	44.0	-	-	-	29.4
HD5513			335	70.9	20.6	690.1	2375.2	509	844	95.0	127.0	79.5	70.0	29.0	73.0	1"-12	25.0	5"-12	44.0	-	-	-	44.6
HD5520			511	70.9	20.6	1052.7	3623.0	733	1244	95.0	127.0	79.5	70.0	63.0	73.0	1"-12	25.0	5"-12	44.0	-	-	-	63.7
CYLINDER CAPACITY: PUSH 75 TON& PULL 24 TON (INCL. 2 CARRY HANDLES)																							
HD7506	726	231	155	103.8	33.0	511.5	1608.9	348	503	115.0	146.0	95.2	70.0	30.0	71.0	1"-12	38.0	5 3/4"-12	38.0	-	-	-	39.9
HD7513			333	103.8	33.0	1098.9	3456.5	526	859	115.0	146.0	95.2	70.0	30.0	71.0	1"-12	38.0	5 3/4"-12	38.0	-	-	-	59.6
CYLINDER CAPACITY: PUSH 95 TON & PULL 44 TON (INCL. 2 CARRY HANDLES)																							
HD10006	928	431	167	132.7	61.8	1032.1	2216.1	357	524	130.0	177.0	95.2	75.0	31.0	75.0	1 3/4"-12	35.0	6 7/8"-12	50.0	139.0	3/4"-10	25.0	60.1
HD10013			333	132.7	61.8	2057.9	4418.9	524	857	130.0	177.0	95.2	75.0	31.0	75.0	1 3/4"-12	35.0	6 7/8"-12	50.0	139.0	3/4"-10	25.0	85.2
HD10018			461	132.7	61.8	2849.0	6117.5	687	1148	130.0	177.0	95.2	75.0	31.0	75.0	1 3/4"-12	35.0	6 7/8"-12	50.0	139.0	3/4"-10	25.0	110.0

Fitting



Hose



Gauge



Hand Pump





High Precision Double Acting Cylinders

- Ideal for pushing and pulling applications.
- The best choice for production applications.
- High strength steel construction.
- One piece high grade alloy bearing for side load protection and longer life.
- Polyurethane cup seal helps provide for optimum performance.
- External plunger threads.
- Internal base threads.
- Used for pulling and pushing applications.
- Maximum working pressure:
10,000 psi / 700 bar.

HPD0906



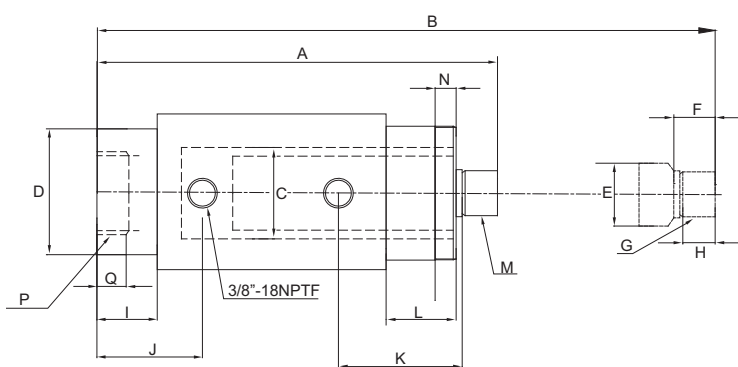
HPD0910



HPD1610



HPD1606



Model Number	Stroke	Max. Cylinder Capacity		Cylinder Effective Area		Internal Pressure at Capacity		Oil Capacity		Min. Height	Max. Height	Bore Dia.	Cylinder Outside Dia.	Plunger				Base to Adv. Port	Top to Return Port	Collar					Weight
		Push (kN)	Pull (kN)	Push (cm²)	Pull (cm²)	Push (bar)	Pull (bar)	Push (cm³)	Pull (cm³)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	K (mm)	L (mm)	M (mm)	N (mm)	P (mm)	Q (mm)	
NOMINAL CYLINDER CAPACITY: 8 TON - PUSH, PULL - 4.5 TON																									
HPD0906	155							175.7	99.6	350	505	38.1	64.0	24.9	24.9	3/4"-16N	19.0	38.1	55.9	38.1	2"-12N	15.24	1 11/16"-18N	34.8	6.6
HPD0910	257	79.0	45.0	11.34	6.43	699	689	175.7	99.6	452	709	38.1	64.0	24.9	24.9	3/4"-16N	19.0	38.1	55.9	38.1	2"-12N	15.24	1 11/16"-18N	34.8	8.4
NOMINAL CYLINDER CAPACITY: 15 TON - PUSH, PULL - 7.1 TON																									
HPD1606	159							322.0	160.0	389	548	50.8	75.9	36.1	29.5	1 1/8"-12N	24.9	53.8	72.9	53.8	2 5/8"-16N	24.9	2 3/16"-16N	40.9	10.0
HPD1610	260	142.0	71.0	20.3	10.8	697	696	322.0	160.0	490	750	50.8	75.9	36.1	29.5	1 1/8"-12N	24.9	53.8	72.9	53.8	2 5/8"-16N	24.9	2 3/16"-16N	40.9	12.8

Cylinder Accessories

Fitting



Hose



Gauge

