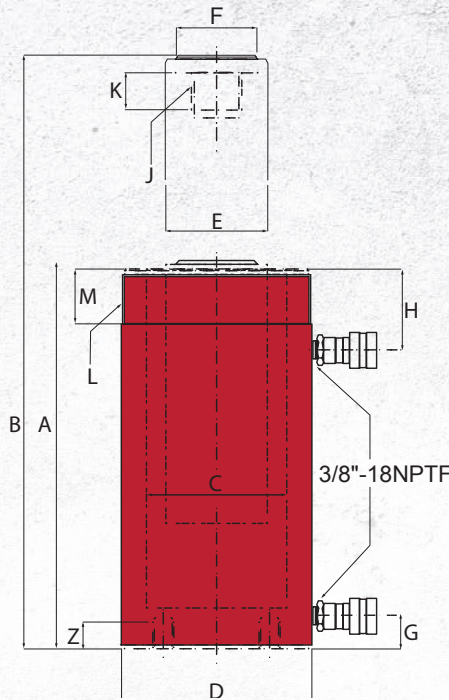
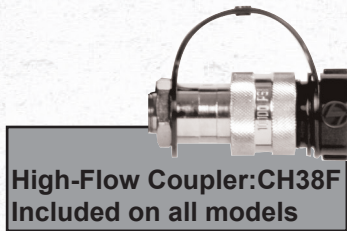


# HIGH TONNAGE DOUBLE ACTING CYLINDERS (HD Series)

- Rod wiper seals out dirt and contamination
- High strength steel construction from gun drilled solid bar
- High flow 3/8" NPTF couplers
- One piece high grade alloy bearing for side load protection and long life
- Ideal for pushing and pulling
- Maximum working pressure: 10,000 psi / 700 bar
- Threaded cylinders, removable saddle, thicker cylinder walls (than HDG series)



Cylinder Capacity (tons)	Stroke (in)	Model Number	Maximum Cylinder Capacity		Cylinder Effective Area		Oil Capacity		Collapsed Height A (in)	Extended Height B (in)	Cylinder Bore Dia. C (in)	Outside Dia. D (in)
			Push (ton)	Pull (ton)	Push (in <sup>2</sup> )	Pull (in <sup>2</sup> )	Push (in <sup>3</sup> )	Pull (in <sup>3</sup> )				
200	6.00	HD20006	221.00	112.50	44.21	22.50	265.28	135.00	16.94	22.94	7.50	9.75
	13.00	HD20013	221.00	112.50	44.21	22.50	574.78	293.00	23.94	36.94	7.50	9.75
	24.00	HD20024	221.00	112.50	44.21	22.50	1061.00	528.00	36.13	60.13	7.50	9.75
300	6.00	HD30006	354.60	190.00	70.93	38.00	425.56	228.00	19.13	25.13	9.50	12.25
500	6.00	HD50006	565.70	315.00	113.15	63.00	678.92	378.00	22.75	28.75	12.00	15.63

Model Number	Rod Dia. E (in)	Saddle Dia. F (in)	Base to Adv. Port G (in)	Top to Return Port H (in)	Collar Thread L (in)	Collar Thread Length M (in)	Rod Internal Thread J (in)	Rod Thread Length K (in)	Base Mounting Hole			Weight (lbs)
									Bolt Circle X (in)	Thread Y (in)	Thread Depth Z (in)	
HD20006	5.25	5.25	2.25	3.81	-	-	-	-	5.00	1-8	1.00	325.00
HD20013	5.25	5.25	2.25	3.81	9¼-12	2.13	2½-12	2.50	5.00	1-8	1.00	440.00
HD20024	5.25	5.25	3.38	4.00	9¼-12	2.13	2½-12	2.50	5.00	1-8	1.00	616.00
HD30006	6.50	6.50	3.50	4.50	12¼-12	2.31	2½-12	3.25	6.25	1¼-7	1.75	441.00
HD50006	8.00	8.00	4.75	6.00	15⅝-8	3.13	3¼-12	4.25	8.00	1¼-5	2.12	953.00