

# DHC SERIES Double-Acting Hollow Cylinders



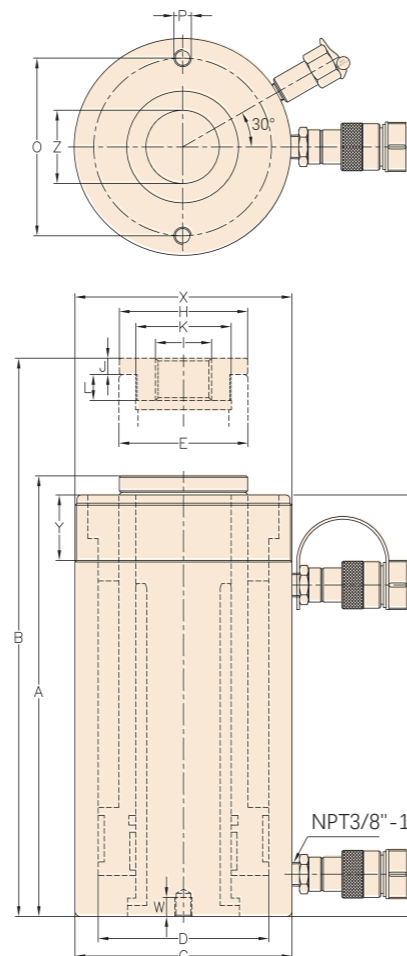
**Capacity: 30-150 tons**  
**Stroke: 7.0-10.13 inch**  
**Max. Pressure: 10,000 psi**

**Pump Selection**  
 Selection appropriate pumps for offer optimum combination. For details, please refer to the section "hydraulic pumps".

**Hoses**  
 Select AIPI high quality high pressure hoses. For details, please refer to the section "hydraulic components".

## Features

- Double-acting cylinder version for fast retraction.
- Hollow plunger cylinders allows for both, pull and push forces.
- Dual dust-proof ring structure remains cylinder internal cleaning.
- The exclusive guide ring is designed absorbs eccentric loading without galling cylinder parts, reduces wear and extending life.
- Built-in safety valve prevents accidental over-pressurization.
- Special painted surface to increase corrosion resistance.
- Easy fixturing with collar threads, plunger threads and base mounting holes.
- All model include quick couplings ( NPT3/8" -18 ) and dust-proof cap.
- Floating center tube is designed to increase product life. Customizable with special requirement.



## Quick Selection Chart

Cylinder Capacity	Stroke	Model Number	Max. Cylinder Capacity		Oil Capacity		Collapsd Height	Extend Height	Outside Dia.	Cylinder Bore Dia.	Plunger Dia.	Weight
			Advance	Retract	Advance	Retract						
			( ton )		( in <sup>3</sup> )							
30	7.00	DHC300-178	33.5	21.5	52.2	33.6	13.00	20.00	4.53	3.54	2.54	46
	10.13	DHC300-258	33.5	21.5	75.7	48.7	16.97	27.13	4.53	3.54	2.54	60
60	3.50	DHC600-89	59.0	36.8	45.7	28.6	9.72	13.23	6.26	4.92	3.72	62
	6.54	DHC600-166	59.0	36.8	85.3	53.3	12.72	19.25	6.26	4.92	3.72	77
	10.13	DHC600-257	59.0	36.8	132.0	82.5	17.24	27.36	6.26	4.92	3.72	99
95	1.50	DHC1000-38	94.7	63.7	31.4	21.1	6.50	8.00	8.35	6.50	4.92	73
	3.00	DHC1000-76	94.7	63.7	62.7	42.2	10.00	13.00	8.35	6.50	4.92	134
	6.00	DHC1000-153	94.7	63.7	126.3	85.1	13.46	19.50	8.35	6.50	4.92	174
	10.13	DHC1000-257	94.7	63.7	212.2	142.9	18.10	28.23	8.35	6.50	4.92	234
145	8.00	DHC1500-203	144.5	75.8	255.8	134.1	14.13	22.13	9.72	7.48	5.90	245

- DHC1000-38 and DHC1500-203 cylinder have no collar thread.
- DHC1500-203 cylinder has no saddle internal thread and no base mounting hole.

## Installation Reference Datasheet

Model Number	Base to Advance Port	Top to Return Port	Saddle Dia.	Saddle Internal Thread	Saddle Protrusion from Plunger	Plunger Internal Thread	Plunger Thread Length	Base Mounting Holes			Collar Thread	Collar Thread Length	Center Hole Dia.
								Bolt Circle	Thread	Thread Depth			
								O	P	W			
DHC300-178	0.98	2.36	2.52	1 1/4"-7	0.35	1 13/16"-16UN	0.87	3.63	3/8"-16UNC	0.62	4 1/2"-12	1.65	1.30
DHC300-258	0.98	2.36	2.52	1 1/4"-7	0.35	1 13/16"-16UN	0.87	3.63	3/8"-16UNC	0.62	4 1/2"-12	1.65	1.30
DHC600-89	1.22	2.60	3.70	1 5/8"-5 1/2"	0.47	2 3/4"-16UN	0.75	5.13	1/2"-13UNC	0.55	6 1/4"-12	1.90	2.12
DHC600-166	1.22	2.60	3.70	1 5/8"-5 1/2"	0.47	2 3/4"-16UN	0.75	5.13	1/2"-13UNC	0.55	6 1/4"-12	1.90	2.12
DHC600-257	1.22	2.60	3.70	1 5/8"-5 1/2"	0.47	2 3/4"-16UN	0.75	5.13	1/2"-13UNC	0.55	6 1/4"-12	1.90	2.12
DHC1000-38	1.34	1.77	4.92	2 1/2"-8	0.47	4"-16UN	0.98	7.00	5/8"-11UNC	0.75	\	\	3.10
DHC1000-76	1.34	3.35	4.92	2 1/2"-8	0.47	4"-16UN	0.98	7.00	5/8"-11UNC	0.75	8 3/8"-12	2.36	3.10
DHC1000-153	1.34	3.35	4.92	2 1/2"-8	0.47	4"-16UN	0.98	7.00	5/8"-11UNC	0.75	8 3/8"-12	2.36	3.10
DHC1000-257	1.34	3.35	4.92	2 1/2"-8	0.47	4"-16UN	0.98	7.00	5/8"-11UNC	0.75	8 3/8"-12	2.36	3.10
DHC1500-203	1.50	2.36	5.00	\	0.50	4 1/4"-12UN	0.98	\	\	\	\	\	3.10

- If you have any difficulty or questions in the installing process, please contact us directly.