Single Acting Cylinders

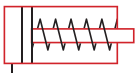
H Series - General Purpose, Spring Return

H10010

H7513

H1514

H1501



Capacity:

2 - 100 Tons*

Stroke:

0.63 - 14.25 Inches

Max. Operating Pressure:

10,000 psi

Min. - Max. Height:

1.63 - 32.99 Inches

CE

*** Larger Tonnages**

For tonnages that exceed 100, please refer to our HG Section

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Single Acting Cylinder H1506 in the collapsed position with CB15 cylinder base for safety.

Single Acting Cylinder H5513 in the collapsed position ready to lift a load

- Collar threads and base mounting holes for fixturing
- Hard chrome plated piston rod protects against corrosion and damage
- Polyurethane U-Cup seals provide a sure seal and long life
- Solid one piece alloy steel body
- One piece aluminum alloy bearing protects against cylinder wall damage
- CH38F high flow coupler with dust cap is standard on most cylinders**

Safety Practices

80%

Good industry practice recommends not exceeding 80% of maximum rated capacities of all our products.

HU Series – Aluminum Cylinders

Aluminum cylinders make a great lightweight alternative being up to 60% lighter than comparable steel models.

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Quick Selection Guide

Cylinder Capacity (ton)	Stroke (in)	Model Number	Collapsed Height (in)	Oil Capacity (in^3)	Weight (lbs)
2	3.07	H0203*	5.39	2.28	2.0
5	0.63	H0500**	1.63	0.69	1.9
	1.00	H0501	4.58	1.00	3.1
	3.07	H0503	6.65	3.07	3.2
	5.08	H0505	8.70	5.08	3.9
	7.09	H0507	10.71	7.09	4.7
	9.00	H0509	12.75	9.03	5.5
10	0.98	H1001	3.62	2.19	3.9
	2.01	H1002	4.84	4.50	5.0
	4.02	H1004	6.85	9.00	7.7
	5.94	H1006	9.84	13.30	9.5
	7.95	H1008	11.85	17.81	11.3
	9.96	H1010	13.86	22.31	13.1
	11.97	H1012	15.87	26.81	15.0
	14.02	H1014	17.72	31.40	16.7
15	0.98	H1501	4.88	3.07	6.9
	2.01	H1502	5.87	6.31	8.5
	3.98	H1504	7.87	12.49	11.1
	5.98	H1506	10.63	18.77	14.8
	7.99	H1508	12.64	25.08	17.3
	10.00	H1510	14.65	31.40	20.0
	12.01	H1512	16.65	37.71	22.5
	14.02	H1514	18.66	44.02	25.2
25	1.02	H2501	5.63	5.25	12.1
	2.01	H2502	6.61	10.35	14.0
	4.02	H2504	8.62	20.70	18.0
	6.10	H2506	10.71	31.41	22.2
	8.11	H2508	12.72	41.77	26.3
	10.12	H2510	14.72	52.12	30.3
	12.20	H2512	16.77	62.83	34.3
	14.25	H2514	18.74	73.39	38.3
30	8.27	H3008	15.24	53.67	40.7
55	2.01	H5502	6.93	21.97	33.0
	4.06	H5504	8.94	44.57	41.0
	6.26	H5506†	11.14	68.73	57.5
	10.25	H5510†	15.16	112.55	67.4
	13.27	H5513†	18.15	145.70	87.0
75	6.14	H7506†	11.22	98.85	74.0
	13.11	H7513†	19.37	211.07	122.0
100	2.01	H10002A†	8.62	41.34	66.0
	6.61	H10006†	14.06	136.03	127.0
	10.24	H10010†	17.68	210.74	153.0

See pages 8-9 for detailed specifications.

** H0203 load return.*
*** H0500 comes with CRZ14F coupler.*
† Cylinder is equipped with carrying handle.

H Series

Related Product: Gauges

Reduce the risk of overloading your product by using a gauge. A variety of graduations and types to suit any need.

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Cylinder Accessories

See the assortment of accessories designed to work with our products.

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Combo Kits

Most cylinders are available in easy to order kits: Cylinder, Gauge, Couplers, Hose and Pump.

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Safety Instructions

Visit our DO'S and DON'TS section to review the best methods of operation. Always be prepared.

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High-Flow Couplers

High-Flow Coupler: CH38F is included on all models (except where specified).

Optional Tilt-Saddles

Saddles tilt to a 5% maximum to adjust to the load. Match up these saddles with the following cylinders:

SDT05 → H05 Cylinders*
SDT10 → H10 Cylinders
SDT15 → H15 Cylinders
SDT25 → H25 Cylinders
SDT55 → H55, H75, H100 Cylinders

* Except the H0500 cylinder

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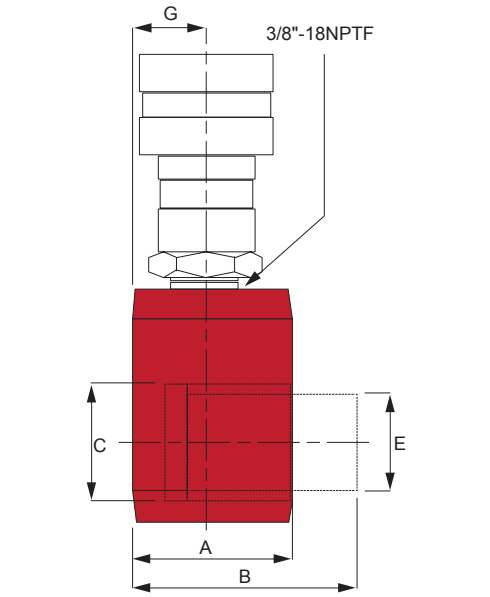
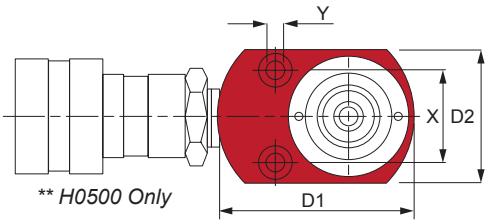
BVA HYDRAULICS

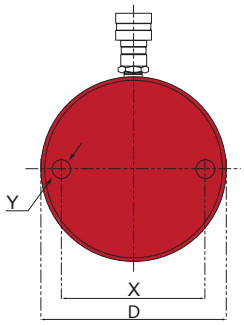
Single Acting Cylinders

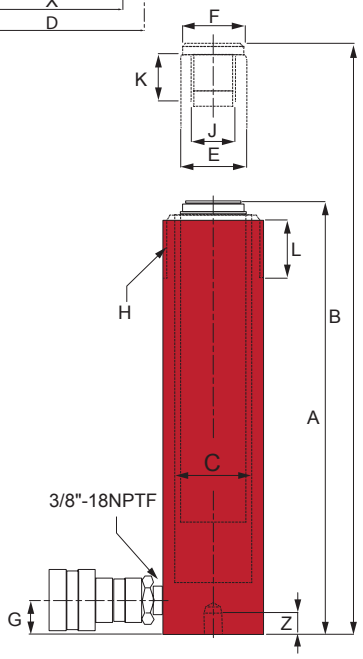
H Series - Spring Return





** H0500 Only





Cylinder Capacity (ton)	Stroke (in)	Model Number	Cylinder Effective Area (in^2)	Internal Pressure at Capacity (psi)	Oil Capacity (in^3)	Weight (lbs)
2	3.07	H0203*	0.76	5,263	2.28	2.0
5	0.63	H0500**	1.10	9,091	0.69	1.9
	1.00	H0501	1.00	10,000	1.00	3.1
	3.07	H0503	1.00	10,000	3.07	3.2
	5.08	H0505	1.00	10,000	5.08	3.9
	7.09	H0507	1.00	10,000	7.09	4.7
	9.00	H0509	1.00	10,000	9.03	5.5
10	0.98	H1001	2.24	8,928	2.19	3.9
	2.01	H1002	2.24	8,928	4.50	5.0
	4.02	H1004	2.24	8,928	9.00	7.7
	5.94	H1006	2.24	8,928	13.30	9.5
	7.95	H1008	2.24	8,928	17.81	11.3
	9.96	H1010	2.24	8,928	22.31	13.1
	11.97	H1012	2.24	8,928	26.81	15.0
	14.02	H1014	2.24	8,928	31.40	16.7
15	0.98	H1501	3.14	9,554	3.07	6.9
	2.01	H1502	3.14	9,554	6.31	8.5
	3.98	H1504	3.14	9,554	12.49	11.1
	5.98	H1506	3.14	9,554	18.77	14.8
	7.99	H1508	3.14	9,554	25.08	17.3
	10.00	H1510	3.14	9,554	31.40	20.0
	12.01	H1512	3.14	9,554	37.71	22.5
	14.02	H1514	3.14	9,554	44.02	25.2
25	1.02	H2501	5.15	9,708	5.25	12.1
	2.01	H2502	5.15	9,708	10.35	14.0
	4.02	H2504	5.15	9,708	20.70	18.0
	6.10	H2506	5.15	9,708	31.41	22.2
	8.11	H2508	5.15	9,708	41.77	26.3
	10.12	H2510	5.15	9,708	52.12	30.3
	12.20	H2512	5.15	9,708	62.83	34.3
	14.25	H2514	5.15	9,708	73.39	38.3
30	8.27	H3008	6.49	9,245	53.67	40.7
55	2.01	H5502	10.98	10,018	21.97	33.0
	4.06	H5504	10.98	10,018	44.57	41.0
	6.26	H5506†	10.98	10,018	68.73	57.5
	10.25	H5510†	10.98	10,018	112.55	67.4
	13.27	H5513†	10.98	10,018	145.70	87.0
75	6.14	H7506†	16.10	9,316	98.85	74.0
	13.11	H7513†	16.10	9,316	211.07	122.0
100	2.01	H10002A†	20.58	9,718	41.34	66.0
	6.61	H10006†	20.58	9,718	136.03	127.0
	10.24	H10010†	20.58	9,718	210.74	153.0

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** H0203 load return.*
*** H0203 comes with CRZ14F coupler.*

† Cylinder is equipped with carrying handle.

Model Number	Collapsed Height A (in)	Extended Height B (in)	Cylinder Bore C (in)	Outside Dia. D (in)	Rod Dia. E (in)	Saddle Dia. F (in)	Base to Inlet Port G (in)	Collar Thread H (in)	Collar Thread Length L (in)	Rod Internal Thread J (in)	Rod Thread Length K (in)	Base Mounting Hole (in)		
												Bolt Circle X	Thread Y	Thread Depth Z
H0203*	5.39	8.46	1.00	1.31	0.87	1.00	0.46	1¼"-16	0.54	-	-	-	-	-
H0500**	1.63	2.26	1.18	2.37x1.59‡	0.98	-	0.75	-	-	-	-	1.10	-	-
H0501	4.58	5.58	1.13	1.50	1.00	0.98	0.79	1½"-16	1.10	¾"-16UNF	0.63	1.00	¼"-20UNC	0.55
H0503	6.65	9.72	1.13	1.50	1.00	0.98	0.79	1½"-16	1.10	¾"-16UNF	0.63	1.00	¼"-20UNC	0.55
H0505	8.70	13.78	1.13	1.50	1.00	0.98	0.79	1½"-16	1.10	¾"-16UNF	0.63	1.00	¼"-20UNC	0.55
H0507	10.71	17.80	1.13	1.50	1.00	0.98	0.79	1½"-16	1.10	¾"-16UNF	0.63	1.00	¼"-20UNC	0.55
H0509	12.75	21.75	1.12	1.50	1.00	0.98	0.79	1½"-16	1.10	¾"-16UNF	0.63	1.00	¼"-20UNC	0.55
H1001	3.62	4.60	1.69	2.26	1.49	-	0.77	2¼"-14	1.18	-	0.24	1.56	⅝"-18UNC	0.55
H1002	4.84	6.85	1.69	2.26	1.49	1.38	0.77	2¼"-14	1.18	1"-8UNC	0.79	1.56	⅝"-18UNC	0.55
H1004	6.85	10.87	1.69	2.26	1.49	1.38	0.77	2¼"-14	1.18	1"-8UNC	0.79	1.56	⅝"-18UNC	0.55
H1006	9.84	15.78	1.69	2.26	1.49	1.38	0.77	2¼"-14	1.18	1"-8UNC	0.79	1.56	⅝"-18UNC	0.55
H1008	11.85	19.80	1.69	2.26	1.49	1.38	0.77	2¼"-14	1.18	1"-8UNC	0.79	1.56	⅝"-18UNC	0.55
H1010	13.86	23.82	1.69	2.26	1.49	1.38	0.77	2¼"-14	1.18	1"-8UNC	0.79	1.56	⅝"-18UNC	0.55
H1012	15.87	27.84	1.69	2.26	1.49	1.38	0.77	2¼"-14	1.18	1"-8UNC	0.79	1.56	⅝"-18UNC	0.55
H1014	17.72	31.74	1.69	2.26	1.49	1.38	0.77	2¼"-14	1.18	1"-8UNC	0.79	1.56	⅝"-18UNC	0.55
H1501	4.88	5.86	2.00	2.75	1.63	1.50	0.77	2¾"-16	1.18	1"-8UNC	0.98	1.88	⅜"-16UNC	0.51
H1502	5.87	7.88	2.00	2.75	1.63	1.50	0.77	2¾"-16	1.18	1"-8UNC	0.98	1.88	⅜"-16UNC	0.51
H1504	7.87	11.85	2.00	2.75	1.63	1.50	0.77	2¾"-16	1.18	1"-8UNC	0.98	1.88	⅜"-16UNC	0.51
H1506	10.63	16.61	2.00	2.75	1.63	1.50	0.98	2¾"-16	1.18	1"-8UNC	0.98	1.88	⅜"-16UNC	0.51
H1508	12.64	20.63	2.00	2.75	1.63	1.50	0.98	2¾"-16	1.18	1"-8UNC	0.98	1.88	⅜"-16UNC	0.51
H1510	14.65	24.65	2.00	2.75	1.63	1.50	0.98	2¾"-16	1.18	1"-8UNC	0.98	1.88	⅜"-16UNC	0.51
H1512	16.65	28.66	2.00	2.75	1.63	1.50	0.98	2¾"-16	1.18	1"-8UNC	0.98	1.88	⅜"-16UNC	0.51
H1514	18.66	32.68	2.00	2.75	1.63	1.50	0.98	2¾"-16	1.18	1"-8UNC	0.98	1.88	⅜"-16UNC	0.51
H2501	5.63	6.65	2.56	3.35	2.24	1.97	0.98	3⅝"-12	1.93	1½"-16	1.18	2.31	½"-13UNC	0.75
H2502	6.61	8.62	2.56	3.35	2.24	1.97	0.98	3⅝"-12	1.93	1½"-16	1.18	2.31	½"-13UNC	0.75
H2504	8.62	12.64	2.56	3.35	2.24	1.97	0.98	3⅝"-12	1.93	1½"-16	1.18	2.31	½"-13UNC	0.75
H2506	10.71	16.81	2.56	3.35	2.24	1.97	0.98	3⅝"-12	1.93	1½"-16	1.18	2.31	½"-13UNC	0.75
H2508	12.72	20.83	2.56	3.35	2.24	1.97	0.98	3⅝"-12	1.93	1½"-16	1.18	2.31	½"-13UNC	0.75
H2510	14.72	24.84	2.56	3.35	2.24	1.97	0.98	3⅝"-12	1.93	1½"-16	1.18	2.31	½"-13UNC	0.75
H2512	16.77	28.97	2.56	3.35	2.24	1.97	0.98	3⅝"-12	1.93	1½"-16	1.18	2.31	½"-13UNC	0.75
H2514	18.74	32.99	2.56	3.35	2.24	1.97	0.98	3⅝"-12	1.93	1½"-16	1.18	2.31	½"-13UNC	0.75
H3008	15.24	23.51	2.87	4.00	2.24	1.97	1.97	3⅝"-12	1.93	1½"-16	1.18	2.20	-	-
H5502	6.93	8.94	3.74	5.00	3.15	2.76	1.22	5"-12	2.17	-	-	3.75	½"-13UNC	0.75
H5504	8.94	13.00	3.74	5.00	3.15	2.76	1.22	5"-12	2.17	-	-	3.75	½"-13UNC	0.75
H5506†	11.14	17.40	3.74	5.00	3.15	2.76	1.22	5"-12	2.17	-	-	3.75	½"-13UNC	0.75
H5510†	15.16	25.41	3.74	5.00	3.15	2.76	1.22	5"-12	2.17	-	-	3.75	½"-13UNC	0.75
H5513†	18.15	31.42	3.74	5.00	3.15	2.76	1.22	5"-12	2.17	-	-	3.75	½"-13UNC	0.75
H7506†	11.22	18.36	4.53	5.79	3.74	2.76	1.18	5¾"-12	1.77	-	-	-	-	-
H7513†	19.37	32.48	4.53	5.79	3.74	2.76	1.18	5¾"-12	1.77	-	-	3.94	2⅛"-10UNC	0.85
H10002A†	8.62	10.63	5.12	6.25	4.13	2.76	1.50	6¼"-12	2.17	-	-	-	-	-
H10006†	14.06	20.67	5.12	6.25	4.13	2.76	1.57	6¼"-12	1.77	-	-	5.50	¾"-10UNC	1.00
H10010†	17.68	27.92	5.12	6.25	4.13	2.76	1.57	6¼"-12	1.77	-	-	5.50	¾"-10UNC	1.00

** H0203 load return.*
*** H0500 comes with CRZ14F coupler.*

† Cylinder is equipped with carrying handle.
‡ Length x Width