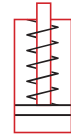




Aluminum Single Acting Cylinders

HU Series - General Purpose, Spring Return, Lightweight



HU10006



HU5506



HU2006

Capacity:

20 - 100 Tonnes

Stroke:

50 - 254 mm

Max. Operating Pressure:

700 BAR

Min. - Max. Height:

174 - 636 mm



- Lightweight aluminum alloy construction.
- Up to 60% lighter than comparable tonnage steel cylinders.
- Convenient carry handle on 50 and 100 Tonne models.
- Hard anodized aluminum plunger provides extra protection against corrosion and wear.
- Integral steel protective plate.
- Maximum working pressure: 10,000 psi / 700 bar.



Safety Practices

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



High-Flow Couplers

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

Aluminum vs. Steel Cylinders

Aluminum cylinders provide a great alternative to the traditional steel cylinder in many applications. Being up to 60% lighter in weight, Aluminum cylinders are easier portable and reduce user fatigue and strain. However, due to the finite properties of Aluminum vs. Steel, these cylinders should NOT be used in high cycle applications. The BVA Aluminum cylinders are designed for a maximum safety rating of 5,000 cycles. Under normal lifting applications this should provide a long service life.



HU5506

Aluminum Cylinders

- 60% lighter in weight than steel.
- Easier portable and reduces user fatigue.
- Not to be used for high cycle applications.
- Under normal conditions, the maximum rated safety cycle life is 5,000 cycles.
- Base of the cylinder contains a steel plate*.

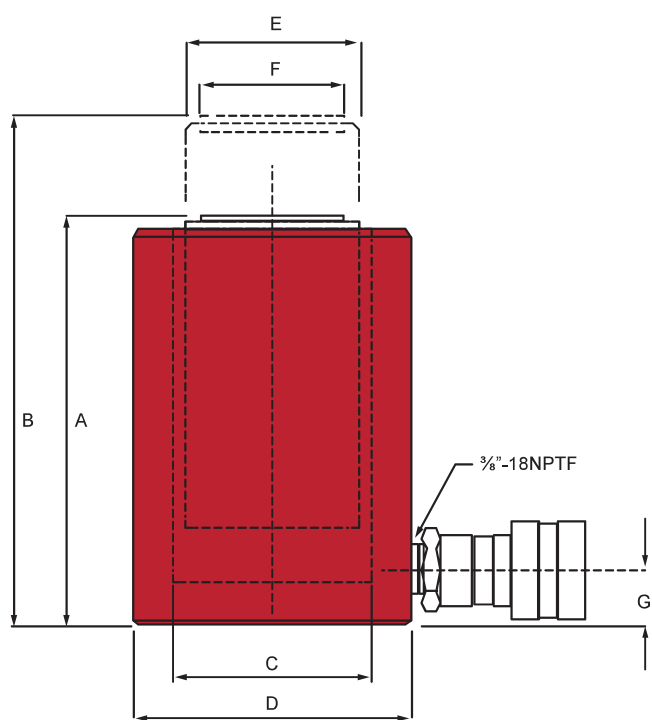


H5506

Steel Cylinders

- Much heavier than aluminum cylinders.
- Low portability on heavier cylinders which creates user fatigue and strain.
- Will out-perform aluminum cylinders in higher cycle applications.
- Can exceed aluminum cylinders maximum safety cycle life of 5,000 cycles.

*The base of the cylinders contain a steel plate with mounting holes that are designed to protect the cylinder from damage and should NOT be used in fixturing applications and ONLY be used to attach larger base mounting plates for lifting stability. They are NOT designed to withstand the full ratings of the cylinders.



HU 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. pg 65

Related Product: Hoses
 We offer a variety of hoses, fittings, lengths and materials. pg 67

Safety Instructions
 Visit our DO'S and DON'TS section to review the best methods of operation. Always be prepared. pg 102

Cylinder Capacity	Stroke (mm)	Model Number	Cylinder Effective Area (cm ²)	Oil Capacity (cc)	Collapsed Height A (mm)	Extended Height B (mm)	Cylinder Bore Dia. C (mm)	Outside Dia. D (mm)	Plunger Dia. E (mm)	Saddle Dia. F (mm)	Base to Inlet Port G (mm)	Weight (kg)
20 Tonne 218 kN	50	HU2002	31.2	156	174	224	63	85	51	40	27	3.0
	100	HU2004	31.2	312	224	324	63	85	51	40	27	3.7
	150	HU2006	31.2	468	274	424	63	85	51	40	27	4.4
30 Tonne 309 kN	50	HU3002	44.2	221	181	231	75	100	60	40	34	4.7
	100	HU3004	44.2	442	231	331	75	100	60	40	34	5.4
	150	HU3006	44.2	663	281	431	75	100	60	40	34	6.1
55 Tonne 496 kN	50	HU5502*	70.9	354	186	236	95	130	80	70	30	7.6
	100	HU5504*	70.9	709	236	336	95	130	80	70	30	10.3
	150	HU5506*	70.9	1063	286	436	95	130	80	70	30	11.6
	200	HU5508*	70.9	1418	336	536	95	130	80	70	30	12.3
	250	HU5510*	70.9	1772	386	636	95	130	80	70	30	14.2
100 Tonne 929 kN	51	HU10002*	133.6	678	165	216	130	203	109	89	38	16.3
	102	HU10004*	133.6	1357	216	318	130	203	109	89	38	19.5
	152	HU10006*	133.6	2039	267	419	130	203	109	89	38	23.1
	254	HU10010*	133.6	3392	368	622	130	203	109	89	38	30.8

* Are equipped with carrying handles.