

## **Aluminum Double Acting Cylinders**

HUD Series - General Purpose, Lightweight







## Capacity:

30 - 150 Tons

### Stroke:

2 - 13 Inches

## Max. Operating Pressure:

10,000 psi

## Min. - Max. Height:

8.30 - 33.80 Inches

# Aluminum vs. Steel **Cylinders**

Aluminum cylinders provide a great alternative to the traditional steel cylinder in multiple applications. Being up to 60% lighter in weight, Aluminum cylinders are highly portable and reduce user fatigue and strain. However, due to the finite properties of Aluminum vs. Steel, the be used in high cycle applications. The BVA Aluminum cylinders are design rating of 5,000 cycles. Under normal lifting applications this should provide





- 60% lighter in weight than steel
- Highly portable and reduces user fatigue
- Not 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\*

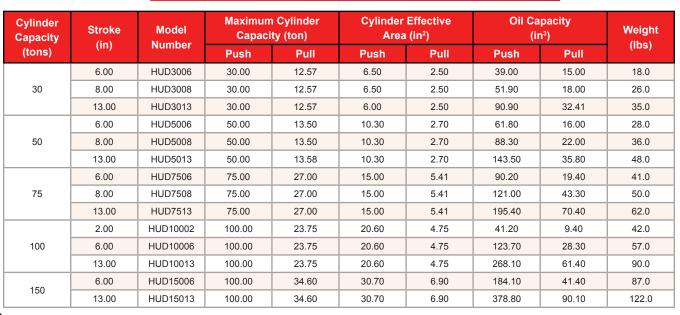


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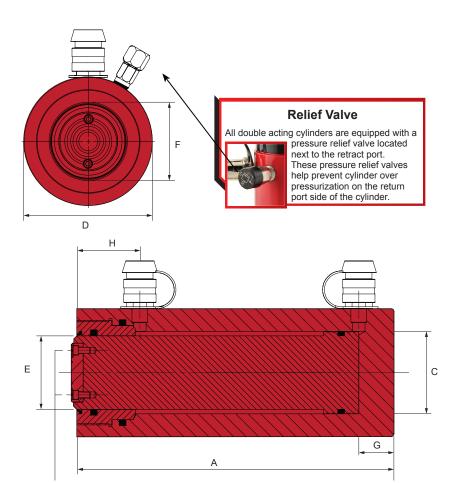
#### Steel Cylinders

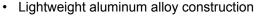
- Much heavier than aluminum cylinders
- Low portability with heavier cylinders which creates user fatigue and strain
- Will out-perform aluminum cylinders in higher cycle applications
- Can exceed aluminums maximum safety cycle life of 5,000 cycles.

ese cylinders should NOT	
ned for a maximum safety	
e a long service life.	



1-888-332-6419 www.BVAhydraulics.com \* The base of the cylinders contain a Steel plate with mounting holes and is designed to protect the cylinder from damage and should NOT be used in fixturing applications and ONLY be used to attach a larger base mounting plate for lifting stability. They are NOT designed to withstand the full rating of the cylinder.





- Up to 60% lighter than comparable tonnage steel cylinders
- Convenient carry handle on 50, 75, 100 and 150 ton models
- Hard anodized aluminum rod provides extra protection against corrosion and wear
- · Steel protective plate on cylinder base
- · Maximum working pressure: 10,000 psi / 700 bar





#### **Safety Instructions**

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

Always be prepared.

#### **Related Product: Gauges**



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



#### **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).

Model Number	Collapsed Height A (in)	Extended Height B (in)	Cylinder Bore Dia. C (in)	Outside Diameter D (in)	Rod Dia. E (in)	Saddle Diameter F (in)	Base To Advance Port G (in)	Top To Retract Port H (in)
HUD3006	11.80	17.80	2.88	4.50	2.88	2.00	1.50	2.00
HUD3008	13.80	21.80	2.88	4.50	2.88	2.00	1.50	2.00
HUD3013	19.30	32.30	2.88	4.50	2.88	2.00	1.50	2.00
HUD5006	11.80	17.80	3.63	5.50	3.13	2.50	1.50	2.50
HUD5008	13.80	21.80	3.63	5.50	3.13	2.50	1.50	2.50
HUD5013	19.30	32.30	3.63	5.50	3.13	2.50	1.50	2.50
HUD7506	12.30	18.30	4.38	6.50	3.50	3.00	1.50	2.50
HUD7508	14.30	20.30	4.38	6.50	3.50	3.00	1.50	2.50
HUD7513	19.30	32.30	4.38	6.50	3.50	3.00	1.50	2.50
HUD10002	8.30	10.30	5.13	8.00	4.50	3.50	1.50	2.50
HUD10006	12.30	18.30	5.13	8.00	4.50	3.50	1.50	2.50
HUD10013	19.30	32.30	5.13	8.00	4.50	3.50	1.50	2.50
HUD15006	14.30	20.30	6.26	10.00	5.50	4.50	2.00	3.00
HUD15013	20.80	33.80	6.26	10.00	5.50	4.50	2.00	3.00

NOTE: The base of the aluminum cylinders contain a Steel plate with mounting holes and is 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. The threads are NOT designed to withstand the full rating of the cylinder.

