



Aluminum Double Acting Cylinders

HDU Series - General Purpose, Lightweight

- Lightweight aluminum alloy construction
- Up to 60% lighter than comparable tonnage steel cylinders
- Convenient carry handle
- Hard anodized aluminum plunger provides extra protection against corrosion and wear
- Steel protective plate on cylinder base
- Maximum working pressure: 700 bar



Capacity:

20 - 30 Tons

Stroke:

50 - 150 mm

Max. Operating Pressure:

700 BAR

Min. - Max. Height:

189 - 451 mm



HDU2006



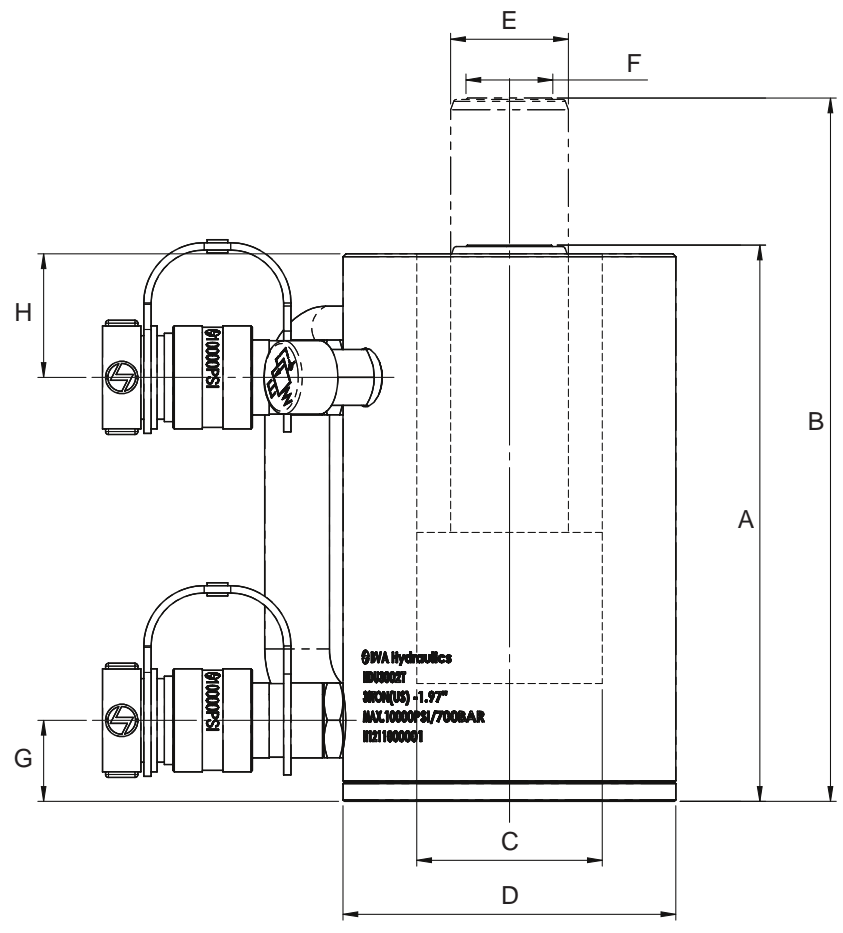
HDU3006

Cylinder Capacity	Stroke (mm)	Model Number	Maximum Cylinder Capacity (ton)		Cylinder Effective Area (cm ²)		Oil Capacity (cc)		Weight (kg)
			Push	Pull	Push	Pull	Push	Pull	
20 Ton 178 kN	50	HDU2002	20	13	41.9	16.1	156	93	5.7
	100	HDU2004	20	13	41.9	16.1	312	186	6.9
	150	HDU2006	20	13	38.7	16.1	468	279	8.0
30 Ton 267 kN	50	HDU3002	30	17	66.5	17.4	221	123	7.6
	100	HDU3004	30	17	66.5	17.4	442	240	9.0
	150	HDU3006	30	17	66.5	17.4	663	368	10.4

* 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.



HDU Series



BVA Hydraulics
 HDU0027
 3/8" (US) - 1.37"
 MAX. 10000 PSI / 700 BAR
 H1211000001

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

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

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).

Relief Valve
 All double acting cylinders are equipped with a pressure relief valve located next to the retract port. These pressure relief valves help prevent cylinder over pressurization on the return port side of the cylinder.

Model Number	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)	Top To Retract Port H (mm)
HDU2002	189	239	63	113	40	30	28	42
HDU2004	239	339	63	113	40	30	28	42
HDU2006	289	439	63	113	40	30	28	42
HDU3002	201	251	75	125	50	40	34	43
HDU3004	251	351	75	125	50	40	34	43
HDU3006	301	451	75	125	50	40	34	43

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.