

HAS | SINGLE ACTING SOLID PISTON ALUMINUM CYLINDERS



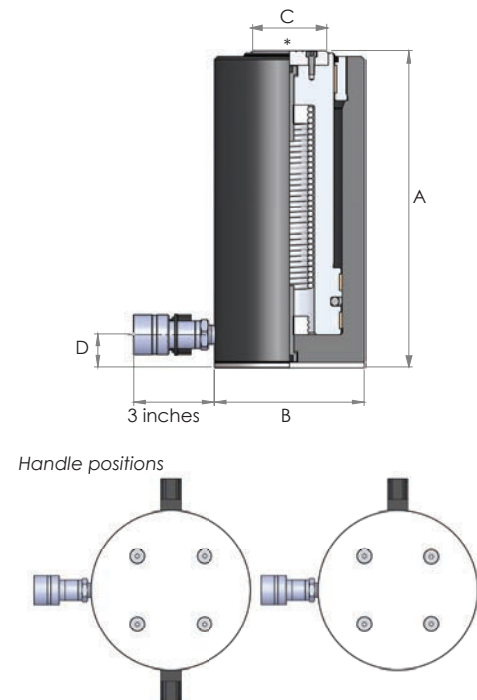
Capacities from 35 to 121 tons

Stroke lengths from 2.01 to 12.02 inches

Working pressure 10000 psi

**see pages 24 and 25*

- ▶ Lightweight aluminum cylinders for applications where weight and portability are of prime importance
- ▶ Single acting, spring assisted return
- ▶ Hard anodized piston rod and cylinder for corrosion resistance and increased durability
- ▶ Steel base plate to protect cylinder body
- ▶ Low friction bearing surfaces
- ▶ Anti-extrusion seals for improved performance at high pressures
- ▶ Grooved saddles fitted as standard on all models
- ▶ Optional piston rod saddles listed on pages 24 and 25
- ▶ Customized and special design cylinders are available on request



Model number	Capacity (tons)	Stroke (in)	Oil capacity (in ³)	Cylinder eff. area (in ²)	Weight (lbs)	Handles	Dimensions (in)			
							A	B	C	D
HAS302	35	2.01	13.73	6.85	8.8	-	7.13	4.14	1.97	0.99
HAS306	35	5.99	40.99	6.85	13.2	-	11.11	4.14	1.97	0.99
HAS3012	35	12.02	82.23	6.85	17.6	1	17.14	4.14	1.97	0.99
HAS502	56	2.01	69.3	10.99	17.6	1	7.33	5.32	2.76	1.18
HAS506	56	5.99	65.7	10.99	24.3	1	11.31	5.32	2.76	1.18
HAS5012	56	12.02	131.88	10.99	35.3	1	17.34	5.32	2.76	1.18
HAS1002	121	2.01	47.89	23.85	41.9	2	8.51	7.68	3.94	1.62
HAS1006	121	5.99	142.74	23.85	50.7	2	12.49	7.68	3.94	1.62
HAS10012	121	12.02	286.4	23.85	75.0	2	18.52	7.68	3.94	1.62

Note: If specifying this cylinder for use with the SLF and SLV synchronous lifting systems and associated mounting kit, please consider the increase in dimension A (closed height), see pages 44 and 48.