

HFL | SINGLE ACTING LOW HEIGHT FAILSAFE LOCK RING CYLINDERS

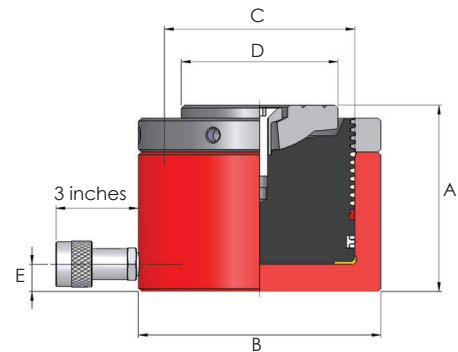


- ▶ Single acting, load return
- ▶ Mechanical lock ring feature allows for load holding for extended periods
- ▶ Compact, low height design suitable for vertical lifting applications only
- ▶ Threaded piston with tilting saddle fitted as standard to reduce the risk of side loading
- ▶ Nitrocarburized cylinder and piston rod for corrosion resistance
- ▶ Low friction bearing surfaces
- ▶ Anti-extrusion seals for improved performance at high pressures
- ▶ Overstroke restrictor port to prevent over extension of piston
- ▶ Tommy bars for easy rotation of the load holding lock ring are listed in the below table
- ▶ Saddle and piston rod details are listed on pages 26 and 27
- ▶ Customized and special design cylinders are available on request

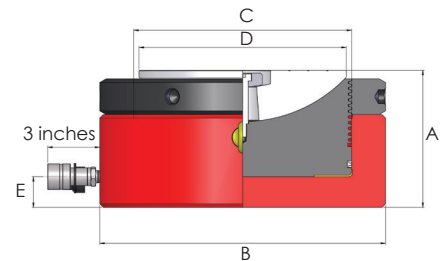
Capacities from 55 to 573 tons

Stroke lengths from 1.77 to 2.01 inches

Working pressure 10000 psi



HFL502, HFL1002, HFL1502



HFL2002, HFL2502, HFL4002, HFL5002

Model number	Capacity (tons)	Stroke (in)	Oil capacity (in³)	Cylinder eff. area (in²)	Weight (lbs)	Tommy bar	Dimensions (in)				
							A	B	C	D	E
HFL502	55	2.01	21.97	11.05	31.3	TTB10	4.93	5	3.74	2.76	0.75
HFL1002	120	1.97	46.99	23.78	61.5	TTB10	5.4	7.29	5.52	4.53	0.79
HFL1502	168	1.77	65.3	33.22	97.0	TTB10	5.91	8.51	6.5	5.32	1.1
HFL2002	224	1.77	86.65	44.19	125.2	TTB14	6.11	10.01	7.49	5.32	1.18
HFL2502	287	1.77	100.69	56.75	153.0	TTB14	6.26	10.76	8.51	7.88	1.22
HFL4002	439	1.77	153.17	86.65	266.8	TTB16	7.01	14.18	10.52	10.24	1.42
HFL5002	573	1.77	200.77	113.13	410.1	TTB20	7.56	15.76	12.02	11.43	1.69

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 46 and 50.