

## HFG - SINGLE ACTING FAILSAFE LOCK RING CYLINDERS

B



Capacities from 50 to 1012 tonnes

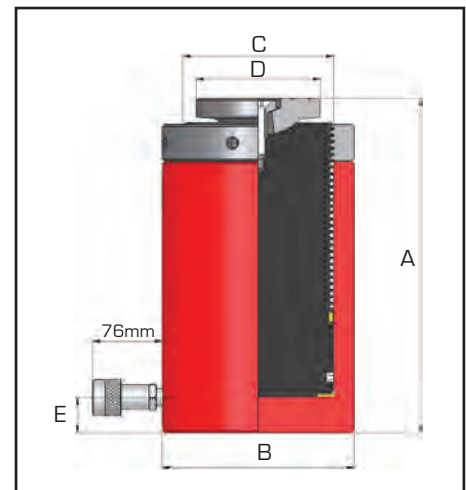
Stroke lengths from 50 to 152mm

Working pressure 700 Bar

The HFG single acting failsafe lock ring cylinder range combines all the versatility and efficiency of hydraulic power with the safety of mechanical load support. Ideally suited for applications requiring sustained load holding for extended periods, such as bridge support work, the HFG range features a single acting, load return piston, threaded throughout its stroke length to suit the threaded mechanical load holding lock ring. Simply jack up the load, wind down the mechanical lock ring until it comes into contact with the cylinder body, release the hydraulic pressure and sustain the load mechanically. All models are suitable for vertical lifting only and are supplied with tilting saddles as standard to reduce the risk of side loading the cylinder.

- >> Single acting load return design
- >> Nitrocarburised cylinder and piston rod for corrosion protection
- >> Low friction bearing surfaces
- >> Anti-extrusion seals
- >> Tilting saddle fitted as standard
- >> Overstroke restrictor port
- >> Saddle and piston rod details, see pages 26 - 27

For easy rotation of the load holding locking ring, Hi-Force recommends the purchase of tommy bar(s). Model numbers of suitable tommy bars are listed in below table.



Model number	Capacity tonnes	Stroke mm	Oil cap. litres	Cyl. eff. area cm <sup>2</sup>	Weight kg	Tommy bar
HFG502	50	51	0.36	71.3	16.2	TTB10
HFG504	50	102	0.73	71.3	20.6	TTB10
HFG506	50	150	1.07	71.3	25.0	TTB10
HFG1002	109	51	0.76	153.4	35.0	TTB10
HFG1004	109	100	1.53	153.4	50.3	TTB10
HFG1006	109	150	2.30	153.4	65.4	TTB10
HFG1502	152	51	1.07	214.3	78.0	TTB10
HFG1504	152	100	2.14	214.3	84.0	TTB10
HFG1506	152	150	3.21	214.3	89.5	TTB10
HFG2002	203	50	1.42	285.1	95.4	TTB14
HFG2006	203	152	4.33	285.1	137.0	TTB14
HFG2506	256	152	5.50	366.5	171.0	TTB14
HFG3006	326	150	6.87	457.7	228.5	TTB14
HFG4006	398	151	8.44	559.0	308.5	TTB14
HFG5006	520	152	11.10	729.9	457.0	TTB16
HFG8006	809	152	17.47	1134.1	735.0	TTB16
HFG10006	1012	152	21.61	1419.3	1016.0	TTB20

Dimensions in mm				
A	B	C	D	E
173	127	95	70	25.0
224	127	95	70	25.0
272	127	95	70	25.0
189	185	140	115	27.5
240	185	140	115	27.5
311	185	140	115	27.5
237	216	165	135	42.0
288	216	165	135	42.0
338	216	165	135	42.0
261	254	190	135	50.0
362	254	190	135	50.0
401	273	216	150	50.0
417	310	241	150	50.0
459	360	267	180	70.0
498	400	305	180	80.0
565	480	380	340	80.0
620	540	425	380	90.0

Note: Other capacities and stroke lengths available on request