

HFG - SINGLE ACTING FAILSAFE LOCK RING CYLINDERS



Capacities from 50 to 1012 tonnes

Stroke lengths from 50 to 152mm

Working pressure 700 Bar

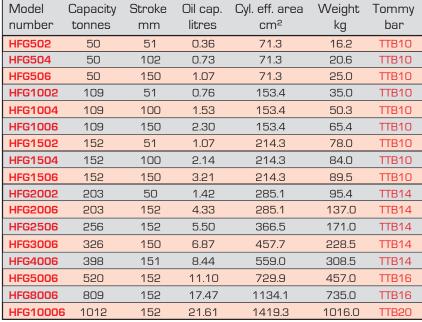
The HFG single acting failsafe lock ring cylinder range combines all the versatility and efficiency of hydraulic power with the safety of mechanical load support. Ideally suited for applications requiring sustained load holding for extended periods, such as bridge support work, the HFG range features 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.

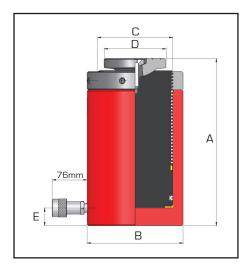
- Single acting load return design
- >> Nitrocarburised cylinder and piston rod for corrosion protection
- >> Low friction bearing surfaces
- Anti-extrusion seals
- >> Tilting saddle fitted as standard
- Overstroke restrictor port
- Saddle and piston rod details, see pages 26 27

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.









Dimensions in mm				
А	В	С	D	Е
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