

HDA - HIGH TONNAGE DOUBLE ACTING CYLINDERS



Capacities from 25 to 520 tonnes

Stroke lengths from 152 to 330mm

Working pressure 700 Bar

The HDA double acting cylinder range offers the utmost in versatility and durability. Specifically designed for heavy duty lifting, construction and maintenance applications as well as presswork and industrial production, the double acting design provides substantial pulling force in the piston retraction mode as well as providing fast, controlled retraction for continuous duty cycle operation. All models up to 152 tonnes are supplied with flat saddle, piston rod threads and collar threads as standard. Models from 203 tonnes and upwards are supplied without collar thread and piston rod thread, however include replaceable tilting saddle as standard. Standard range models are featured in this catalogue, however other stroke and tonnage options are available on request.

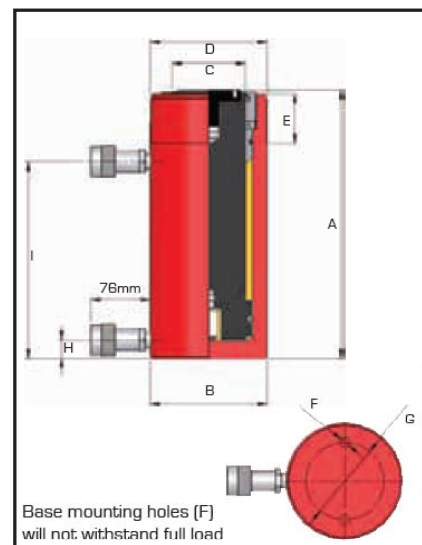
- >> Internal annular area overload protection valve
- >> Low friction bearing surfaces
- >> Nitrocarburised piston rod
- >> Anti-extrusion seals
- >> Base mounting holes*
- >> Optional piston rod saddles

*Base mounting holes are for location of cylinder only. They are not designed to resist the full capacity of the cylinder

Up to 152 tonnes :

From 203 tonnes :

- >> Flat saddle
- >> Piston rod thread
- >> Collar thread with protector
- >> Tilting saddle
- >> Piston without thread
- >> Excluding collar thread



Model number	Capacity		Stroke mm	Oil cap. litres	Cyl. eff. area cm ²	Weight kg
	Push tonnes	Pull tonnes				
HDA256	25	10	152	0.53	34.9	15.0
HDA506	50	15	152	1.08	71.3	28.4
HDA5013	50	15	330	2.35	71.3	42.6
HDA1006	109	36	152	2.33	153.3	64.5
HDA10013	109	36	330	5.06	153.3	89.0
HDA1506	152	79	152	3.26	214.2	90.0
HDA15012	152	79	305	6.53	214.2	120.5
HDA2006	203	-	152	4.33	285.2	129.8
HDA20012	203	-	305	8.69	285.2	167.4
HDA3006	326	-	152	6.95	457.4	193.0
HDA4006	398	-	152	8.49	558.9	286.0
HDA5006	520	-	152	11.09	729.9	372.0

Dimensions in mm (unless otherwise stated)								
A	B	C	D	E	F*	G	H	I
287	92	50	3 ⁵ / ₁₆ "-12un	53	M10	60	30	212
295	127	79	5"-12un	55	M12	85	20	216
473	127	79	5"-12un	55	M12	85	20	394
304	178	114	6 ⁷ / ₈ "-12un	51	M12	146	30	226
482	178	114	6 ⁷ / ₈ "-12un	51	M12	146	30	404
310	210	114	8"-12un	55	M16	160	35	231
463	210	114	8"-12un	55	M16	160	35	384
356	254	140	Optional	Optional	M20	185	43	238
509	254	140	Optional	Optional	M20	185	43	391
409	312	165	Optional	Optional	M20	158	50	262
431	360	216	Optional	Optional	M24	203	55	277
470	397	203	Optional	Optional	M24	203	65	300