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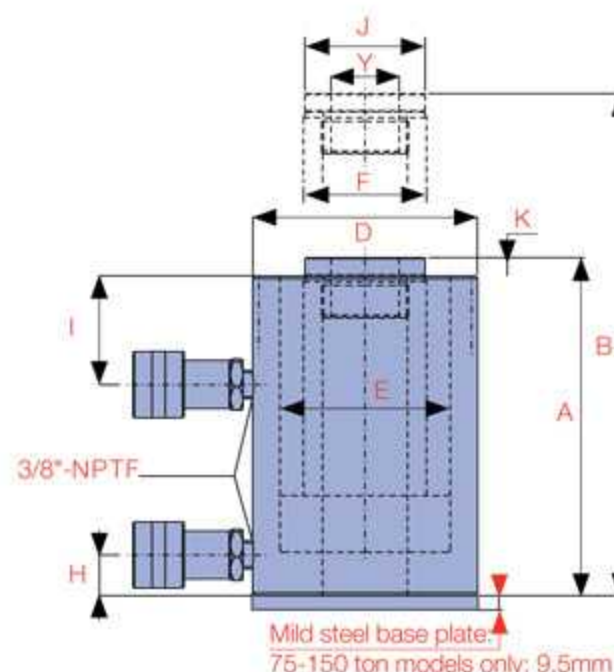
CYLINDERS



EXCEEDS
ANSI/ASME B30.1
SAFETY
STANDARDS

THE ARHD-SERIES IS A DOUBLE ACTING HOLLOW PISTON ROD ALUMINIUM CYLINDER.

The hollow piston allows for a rod or cable to be inserted through the entire body length, while the double acting design improves speed of operation when longer stroke cylinders are required. They can be used in tensioning, load testing and maintenance applications where weight and portability are paramount. Cylinders 75-150 ton incorporate a mild steel base plate for extra protection.



Model Number	Cylinder Capacity			Stroke (mm)	Cylinder Effective Area		Oil Capacity		A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)
	ton*	Advance kN	Retract kN		Advance (cm ²)	Retract (cm ²)	Advance (cm ³)	Retract (cm ³)			
ARHD-302	30	287	91	50	40.97	13.03	208	67	191	241	139
ARHD-304		287	91	100	40.97	13.03	416	133	242	342	139
ARHD-306		287	91	152	40.97	13.03	624	200	293	445	139
ARHD-3010		287	91	254	40.97	13.03	1,040	332	394	648	139
ARHD-502	50	465	155	50	66.45	22.12	337	112	191	241	191
ARHD-504		465	155	100	66.45	22.12	675	225	242	342	191
ARHD-506		465	155	152	66.45	22.12	1,013	337	293	445	191
ARHD-5010		465	155	254	66.45	22.12	1,689	563	394	648	191
ARHD-752	75	688	281	50	98.25	40.13	499	203	242	292	228
ARHD-754		688	281	100	98.25	40.13	998	407	293	393	228
ARHD-756		688	281	152	98.25	40.13	1,497	611	343	495	228
ARHD-7510		688	281	254	98.25	40.13	2,495	1,019	445	699	228
ARHD-1002	100	975	339	50	139.29	48.45	707	246	254	304	279
ARHD-1004		975	339	100	139.29	48.45	1,415	492	305	405	279
ARHD-1006		975	339	152	139.29	48.45	2,123	738	355	507	279
ARHD-10010		975	339	254	139.29	48.45	3,539	1,230	457	711	279
ARHD-1502	150	1,421	497	50	203.03	70.96	1,004	295	254	304	304
ARHD-1504		1,421	497	100	203.03	70.96	2,008	590	305	405	304
ARHD-1506		1,421	497	152	203.03	70.96	3,012	885	355	507	304
ARHD-15010		1,421	497	254	203.03	70.96	5,021	1,475	457	711	304

* Nominal Cylinder Capacity in ton - see kN values for actual capacity



B

CYLINDERS

HARDENED STEEL GROOVED SADDLE **

to prevent piston rod damage

HANDLE

is threaded and removable

STOP RING

withstands full dead end loading

BEARING SURFACE

large area with balancing and lubricating grooves for protection against side loading

MILD STEEL BASE PLATE

75-150 Ton models only

PISTON ROD WIPER

reduces contaminants

SAFETY PRESSURE

relief valve protects cylinder from intensification

CHROME PLATED STEEL INNER TUBE

for maximum corrosion resistance

LIGHTWEIGHT

high strength aluminium materials

PARKER

industry standard high flow coupling for compatibility



CAPACITY

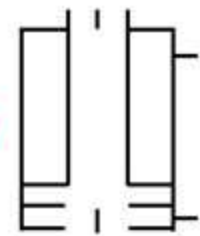
30 - 150 ton

STROKE

50 - 254 mm

MAXIMUM OPERATING PRESSURE

700 bar



E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)	H Base to Advance Port (mm)	I Top to Return Port (mm)	J Standard Saddle Diameter (mm)	K Saddle Protrusion from Piston Rod (mm)	Y Centre Hole Diameter (mm)	Weight (kg)
92.2	82.6	51	51	70	13	38.0	9.1
92.2	82.6	51	51	70	13	38.0	10.9
92.2	82.6	51	51	70	13	38.0	12.6
92.2	82.6	51	51	70	13	38.0	17.0
117.6	104.8	51	51	92	13	54.0	15.0
117.6	104.8	51	51	92	13	54.0	18.6
117.6	104.8	51	51	92	13	54.0	22.0
117.6	104.8	51	51	92	13	54.0	29.5
143.0	123.7	51	51	122	13	69.9	23.5
143.0	123.7	51	51	122	13	69.9	32.0
143.0	123.7	51	51	122	13	69.9	38.5
143.0	123.7	51	51	122	13	69.9	45.3
171.6	152.4	69	56	152	13	88.9	38.5
171.6	152.4	69	56	152	13	88.9	42.3
171.6	152.4	69	56	152	13	88.9	46.4
171.6	152.4	69	69	152	13	88.9	60.0
190.6	165.1	69	56	165	13	88.9	49.0
190.6	165.1	69	56	165	13	88.9	54.8
190.6	165.1	69	56	165	13	88.9	60.0
190.6	165.1	69	69	165	13	88.9	70.8

** Threaded saddles are standard on ARHD 30 and 50 ton models

Caution...

Protective steel base plate protects the cylinder and should **not** be removed. **Threaded base holes** should **not** be used for any other purpose.

Caution...

Lightweight **aluminium cylinders** are **not** designed for production applications. Refer to Durapac for information relating to high cycle applications.