ACHD SERIES

DURAPAC

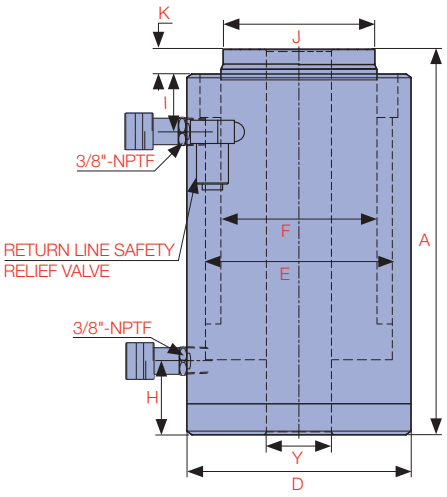
DOUBLE ACTING HOLLOW PISTON ALUMINIUM CYLINDERS

EXCEEDS ANSI/ASME B30.1 SAFETY STANDARDS

ACHD-1006

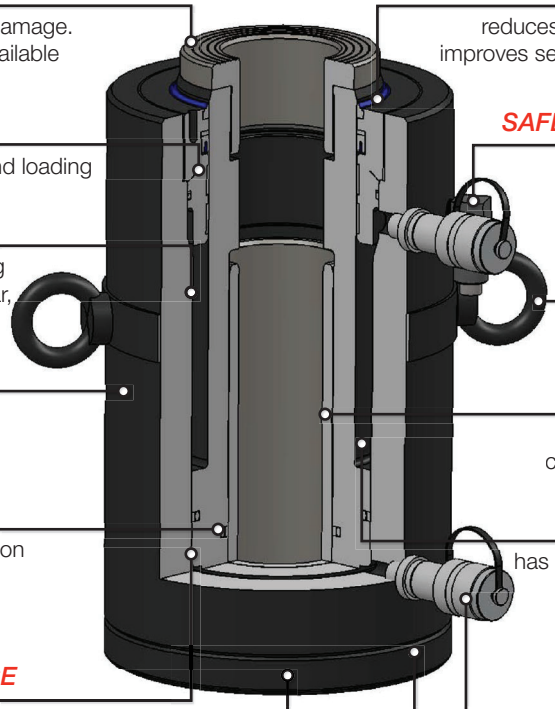
THE **ACHD-SERIES** IS A DOUBLE ACTING HOLLOW PISTON ROD ALUMINIUM CYLINDER.

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. All cylinders incorporate a 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)	E Cylinder Bore Diameter (mm)
	ton*	Advance kN	Retract kN		Advance (cm^2)	Retract (cm^2)	Advance (cm^3)	Retract (cm^3)				
ACHD-303	30	303	162	75	44.2	23.6	331	177	270	345	115	85
ACHD-304		303	162	100	44.2	23.6	442	236	295	395	115	85
ACHD-306		303	162	150	44.2	23.6	663	353	345	495	115	85
ACHD-3010		303	162	250	44.2	23.6	1,105	588	445	695	115	85
ACHD-503	50	517	215	75	75.4	31.4	566	236	280	355	150	110
ACHD-504		517	215	100	75.4	31.4	754	314	305	405	150	110
ACHD-506		517	215	150	75.4	31.4	1,131	471	355	505	150	110
ACHD-603	60	614	303	75	89.5	44.2	672	331	295	370	170	125
ACHD-604		614	303	100	89.5	44.2	895	442	320	420	170	125
ACHD-606		614	303	150	89.5	44.2	1,343	663	370	520	170	125
ACHD-1003	100	980	485	75	142.9	70.7	1,072	530	330	405	225	165
ACHD-1004		980	485	100	142.9	70.7	1,429	707	355	455	225	165
ACHD-1006		980	485	150	142.9	70.7	2,144	1,060	405	555	225	165

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



HARDENED GROOVED LOAD CAP
to prevent piston rod damage. Optional tilt saddles available

GLAND NUT
withstands full dead end loading

CYLINDER BORE
has a special anodising treatment to resist wear, corrosion and damage

LIGHTWEIGHT
high strength aluminium materials

COMPACT SEAL
resists wear and extrusion

BEARING SURFACE
large area to protect against side loading

MILD STEEL BASE PLATE
protects base

ANODISED FINISH
resists damage

PISTON ROD WIPER
reduces contaminants and improves service life of cylinder

SAFETY PRESSURE
relief valve protects cylinder from intensification

HANDLE
is removable

PLATED STEEL INNER TUBE
for maximum corrosion resistance

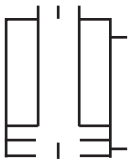
PISTON ROD
has a special anodising treatment to resist wear, corrosion and damage

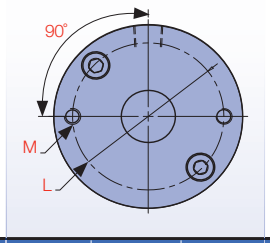
PARKER
industry standard high flow couplings for compatibility

CAPACITY RANGE
30 - 100 ton

STROKE RANGE
75 - 250 mm

MAXIMUM OPERATING PRESSURE
700 bar





F Piston Rod Diameter (mm)	H Base to Advance Port (mm)	I Top to Return Port (mm)	J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	L PCD x No. of Holes	M Thread Size	Thread Depth (mm)	Y Centre Hole Diameter (mm)	Weight (kg)
65	50	65	62	16	90 x 2	M10	17	33	7.5
65	50	65	62	16	90 x 2	M10	17	33	8.2
65	50	65	62	16	90 x 2	M10	17	33	9.2
65	50	65	62	16	90 x 2	M10	17	33	11.5
90	55	65	87	18	110 x 2	M12	20	42	14.5
90	55	65	87	18	110 x 2	M12	20	42	15.5
90	55	65	87	18	110 x 2	M12	20	42	17.5
100	58	70	97	18	125 x 2	M12	20	54	19.0
100	58	70	97	18	125 x 2	M12	20	54	20.0
100	58	70	97	18	125 x 2	M12	20	54	22.5
135	70	75	130	28	165 x 2	M16	24	77	36.0
135	70	75	130	28	165 x 2	M16	24	77	38.5
135	70	75	130	28	165 x 2	M16	24	77	43.0

Caution...

Lightweight ***aluminium cylinders*** are ***not*** designed for production applications. Consult Durapac for details on high cycle applications