

SINGLE ACTING HOLLOW PISTON ALUMINIUM CYLINDERS

B

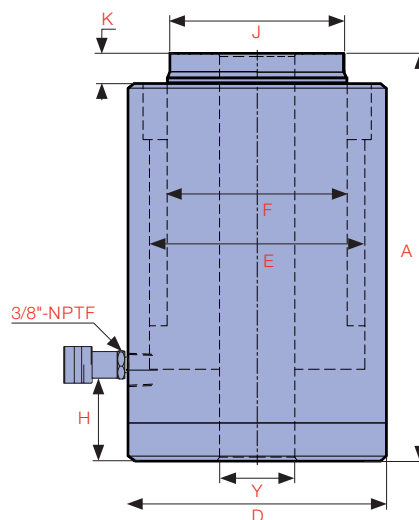
CYLINDERS



EXCEEDS
ANSI/ASME B30.1
SAFETY
STANDARDS

THE **ACHS-SERIES** IS A SPRING RETURN HOLLOW PISTON ROD ALUMINIUM CYLINDER.

The hollow piston allows for a rod or cable to be inserted through the entire body length. They can be used in tensioning, load testing, bush extracting and maintenance applications where weight and portability are paramount. All cylinders incorporate a steel base plate for extra protection.



Model Number	Cylinder Capacity ton* / kN	Stroke (mm)	Cylinder Effective Area (cm ²)	Oil Capacity (cm ³)	A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)	
ACHS-202	20	226	50	33.0	165	175	225	115	85	75
ACHS-204		226	100	33.0	330	225	325	115	85	75
ACHS-206		226	150	33.0	495	275	425	115	85	75
ACHS-302	30	345	50	50.3	251	210	260	130	100	80
ACHS-303		345	75	50.3	377	235	310	130	100	80
ACHS-304		345	100	50.3	503	260	360	130	100	80
ACHS-306		345	150	50.3	754	310	460	130	100	80
ACHS-503	50	539	75	78.5	589	250	325	165	125	100
ACHS-504		539	100	78.5	785	275	375	165	125	100
ACHS-506		539	150	78.5	1,178	325	475	165	125	100
ACHS-603	60	619	75	90.3	677	260	335	190	140	120
ACHS-604		619	100	90.3	903	285	385	190	140	120
ACHS-606		619	150	90.3	1,355	335	485	190	140	120
ACHS-1003	100	1,068	75	155.7	1,168	285	360	245	185	150
ACHS-1004		1,068	100	155.7	1,557	310	410	245	185	150
ACHS-1006		1,068	150	155.7	2,336	360	510	245	185	150

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

SINGLE ACTING HOLLOW PISTON ALUMINIUM CYLINDERS

HARDENED GROOVED SADDLE

to prevent piston rod damage

GLAND NUT

withstands full dead end loading

HANDLE

is removable

RETURN SPRING

heavy duty for faster retraction

CYLINDER BORE

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

LIGHTWEIGHT

high strength aluminium materials

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

PLATED STEEL INNER TUBE

for maximum corrosion resistance

PISTON ROD

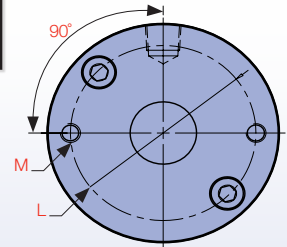
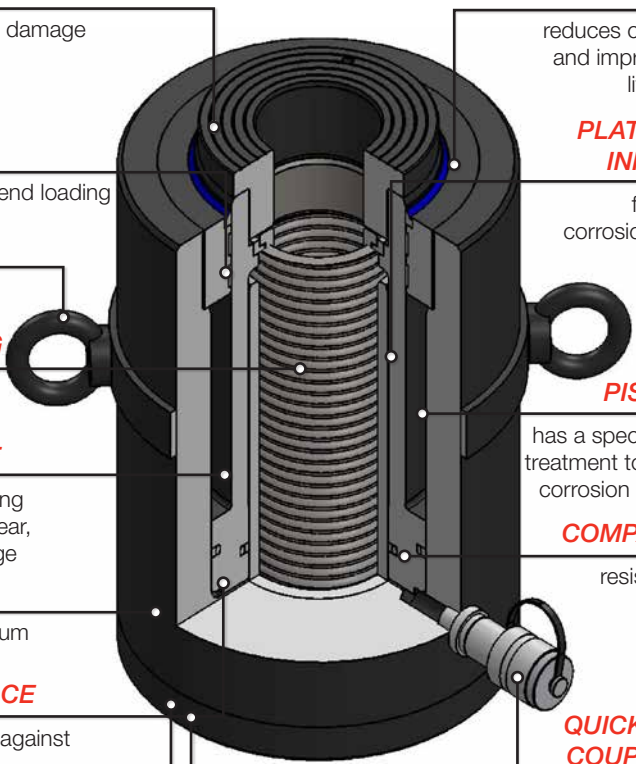
has a special anodising treatment to resist wear, corrosion and damage

COMPACT SEAL

resists wear and extrusion

QUICK CHANGE COUPLER WITH DUST CAP

for easier connection and release



CAPACITY
20 - 100 ton

STROKE
50 - 150 mm

MAXIMUM OPERATING PRESSURE
700 bar

B
CYLINDERS

H Base to Advance Port (mm)	J Standard Saddle Diameter (mm)	K Saddle Protrusion from Piston Rod (mm)	L PCD x No. of Holes	M Thread Size	Thread Depth (mm)	Y Centre Hole Diameter (mm)	Weight (kg)
40	73	11	85x2	M10	15	27	6.5
40	73	11	85x2	M10	15	27	8.0
40	73	11	85x2	M10	15	27	9.5
52	78	16	90x2	M10	17	33	10.0
52	78	16	90x2	M10	17	33	11.0
52	78	16	90x2	M10	17	33	12.0
52	78	16	90x2	M10	17	33	13.5
58	97	18	125x2	M12	18	42	15.5
58	97	18	125x2	M12	18	42	17.0
58	97	18	125x2	M12	18	42	19.5
58	117	21	135x2	M12	20	54	21.0
58	117	21	135x2	M12	20	54	23.0
58	117	21	135x2	M12	20	54	26.0
70	146	27	180x2	M16	24	77	38.0
70	146	27	180x2	M16	24	77	41.0
70	146	27	180x2	M16	24	77	46.0

Caution...

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

Caution...

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