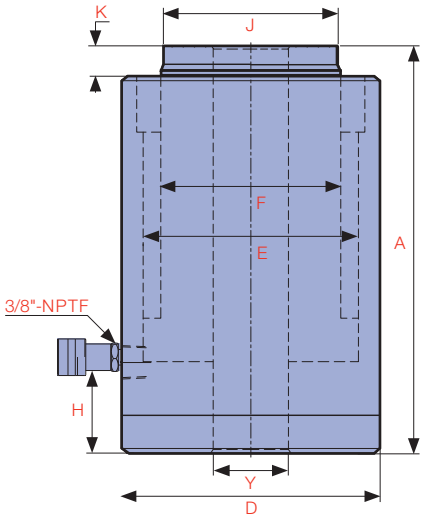
ACHS SERIES

DURAPAC

SINGLE ACTING HOLLOW PISTON ALUMINUM CYLINDERS

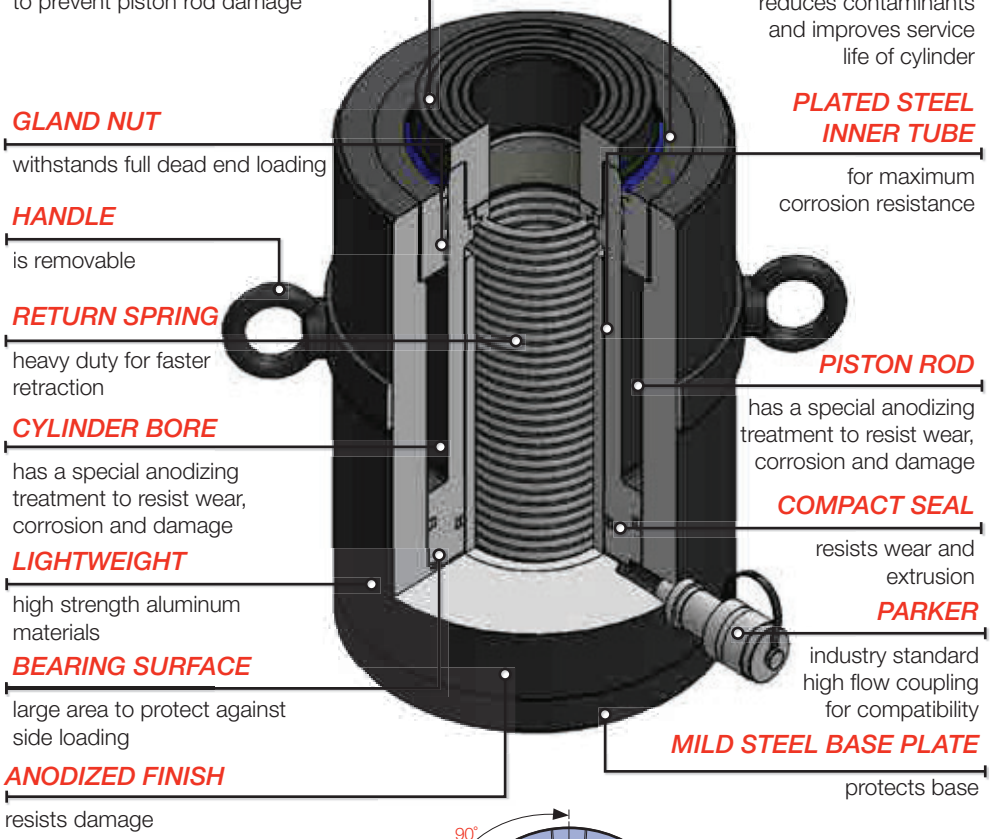
THE **ACHS-SERIES** IS A SINGLE ACTING SPRING RETURN HOLLOW PISTON ROD ALUMINUM CYLINDER.

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* / max.		Stroke (in)	Cylinder Effective Area (in^2)	Oil Capacity (in^3)	A Collapsed Height (in)	B Extended Height (in)	D Outside Diameter (in)	E Cylinder Bore Diameter (in)	F Piston Rod Diameter (in)
ACHS-202	20	26.0	1.97	5.12	100.98	6.89	8.86	4.53	3.35	2.95
ACHS-204		26.0	3.94	5.12	201.96	8.86	12.80	4.53	3.35	2.95
ACHS-206		26.0	5.91	5.12	302.94	10.83	16.73	4.53	3.35	2.95
ACHS-302	30	39.6	1.97	7.80	153.61	8.27	10.24	5.12	3.94	3.15
ACHS-303		39.6	2.95	7.80	230.72	9.25	12.20	5.12	3.94	3.15
ACHS-304		39.6	3.94	7.80	307.84	10.24	14.17	5.12	3.94	3.15
ACHS-306		39.6	5.91	7.80	461.45	12.20	18.11	5.12	3.94	3.15
ACHS-503	50	61.8	2.95	12.17	360.47	9.84	12.80	6.50	4.92	3.94
ACHS-504		61.8	3.94	12.17	480.42	10.83	14.76	6.50	4.92	3.94
ACHS-506		61.8	5.91	12.17	720.94	12.80	18.70	6.50	4.92	3.94
ACHS-603	60	71.1	2.95	14.00	414.32	10.24	13.19	7.48	5.51	4.72
ACHS-604		71.1	3.94	14.00	552.64	11.22	15.16	7.48	5.51	4.72
ACHS-606		71.1	5.91	14.00	829.26	13.19	19.09	7.48	5.51	4.72
ACHS-1003	100	122.5	2.95	24.13	714.82	11.22	14.17	9.65	7.28	5.91
ACHS-1004		122.5	3.94	24.13	952.88	12.20	16.14	9.65	7.28	5.91
ACHS-1006		122.5	5.91	24.13	1,429.63	14.17	20.08	9.65	7.28	5.91

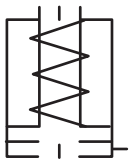
* Nominal Cylinder Capacity in ton - see max. values for actual capacity

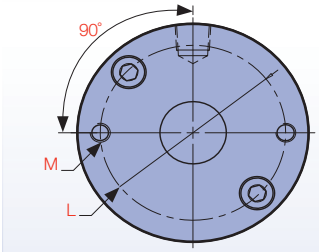


CAPACITY RANGE
20 - 100 ton

STROKE RANGE
1.97 - 5.91 in

MAXIMUM OPERATING PRESSURE
10,150 psi





H Base to Advance Port (in)	J Standard Load Cap Diameter (in)	K Load Cap Protrusion from Piston Rod (in)	L PCD x No. of Holes	M Thread Size	Thread Depth (in)	Y Center Hole Diameter (in)	Weight (lbs)
1.57	2.87	0.43	85 x 2	M10	0.59	1.06	14.3
1.57	2.87	0.43	85 x 2	M10	0.59	1.06	17.6
1.57	2.87	0.43	85 x 2	M10	0.59	1.06	21.0
2.05	3.07	0.63	90 x 2	M10	0.67	1.30	22.1
2.05	3.07	0.63	90 x 2	M10	0.67	1.30	24.3
2.05	3.07	0.63	90 x 2	M10	0.67	1.30	26.5
2.05	3.07	0.63	90 x 2	M10	0.67	1.30	29.8
2.28	3.82	0.71	125 x 2	M12	0.71	1.65	34.2
2.28	3.82	0.71	125 x 2	M12	0.71	1.65	37.5
2.28	3.82	0.71	125 x 2	M12	0.71	1.65	43.0
2.28	4.61	0.83	135 x 2	M12	0.79	2.13	46.3
2.28	4.61	0.83	135 x 2	M12	0.79	2.13	50.7
2.28	4.61	0.83	135 x 2	M12	0.79	2.13	57.3
2.76	5.75	1.06	180 x 2	M16	0.94	3.03	83.8
2.76	5.75	1.06	180 x 2	M16	0.94	3.03	90.4
2.76	5.75	1.06	180 x 2	M16	0.94	3.03	101.4

Caution...

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

Caution...

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