ACHD SERIES

DURAPAC

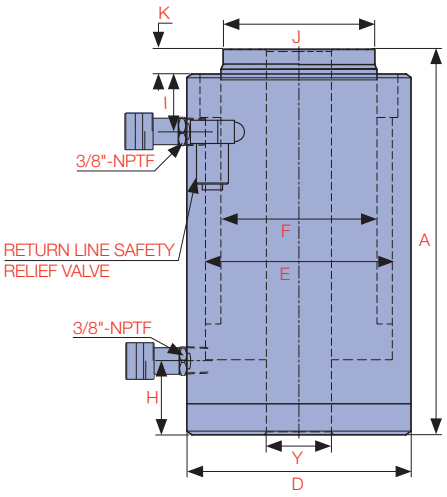
DOUBLE ACTING HOLLOW PISTON ALUMINUM CYLINDERS

EXCEEDS ANSI/ASME B30.1 SAFETY STANDARDS

ACHD-1006

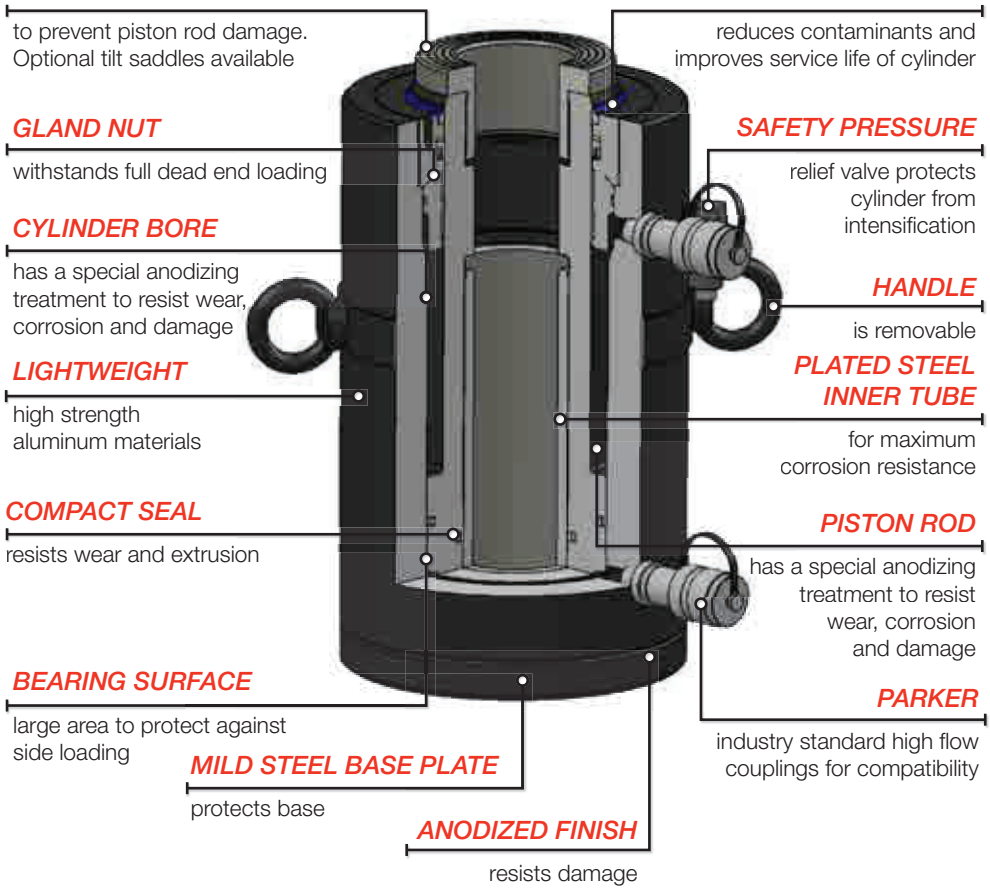
THE **ACHD-SERIES** IS A DOUBLE ACTING HOLLOW PISTON ROD ALUMINUM CYLINDER.

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 ton* / max.			Stroke (in)	Cylinder Effective Area		Oil Capacity		A Collapsed Height (in)	B Extended Height (in)	D Outside Diameter (in)	E Cylinder Bore Diameter (in)
	ton*	Advance	Retract		Advance (in^2)	Retract (in^2)	Advance (in^3)	Retract (in^3)				
ACHD-303	30	34.8	18.6	2.95	6.85	3.66	202.57	108.32	10.63	13.58	4.53	3.35
ACHD-304		34.8	18.6	3.94	6.85	3.66	270.50	144.43	11.61	15.55	4.53	3.35
ACHD-306		34.8	18.6	5.91	6.85	3.66	405.76	216.04	13.58	19.49	4.53	3.35
ACHD-3010		34.8	18.6	9.84	6.85	3.66	676.26	359.86	17.52	27.36	4.53	3.35
ACHD-503	50	59.3	24.7	2.95	11.69	4.87	346.39	144.43	11.02	13.98	5.91	4.33
ACHD-504		59.3	24.7	3.94	11.69	4.87	461.45	192.17	12.01	15.94	5.91	4.33
ACHD-506		59.3	24.7	5.91	11.69	4.87	692.17	288.25	13.98	19.88	5.91	4.33
ACHD-603	60	70.4	34.8	2.95	13.87	6.85	411.26	202.57	11.61	14.57	6.69	4.92
ACHD-604		70.4	34.8	3.94	13.87	6.85	547.74	270.50	12.60	16.54	6.69	4.92
ACHD-606		70.4	34.8	5.91	13.87	6.85	821.92	405.76	14.57	20.47	6.69	4.92
ACHD-1003	100	112.4	55.6	2.95	22.15	10.96	656.06	324.36	12.99	15.94	8.86	6.50
ACHD-1004		112.4	55.6	3.94	22.15	10.96	874.55	432.68	13.98	17.91	8.86	6.50
ACHD-1006		112.4	55.6	5.91	22.15	10.96	1,312.13	648.72	15.94	21.85	8.86	6.50

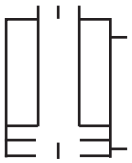
* Nominal Cylinder Capacity in ton - see max. values for actual capacity

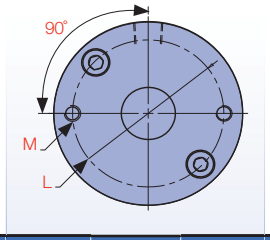


CAPACITY RANGE
30 - 100 ton

STROKE RANGE
2.95 - 9.84 in

MAXIMUM OPERATING PRESSURE
10,150 psi





F Piston Rod Diameter (in)	H Base to Advance Port (in)	I Top to Return 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)
2.56	1.97	2.56	2.44	0.63	90 x 2	M10	0.67	1.30	16.5
2.56	1.97	2.56	2.44	0.63	90 x 2	M10	0.67	1.30	18.1
2.56	1.97	2.56	2.44	0.63	90 x 2	M10	0.67	1.30	20.3
2.56	1.97	2.56	2.44	0.63	90 x 2	M10	0.67	1.30	25.4
3.54	2.17	2.56	3.43	0.71	110 x 2	M12	0.79	1.65	32.0
3.54	2.17	2.56	3.43	0.71	110 x 2	M12	0.79	1.65	34.2
3.54	2.17	2.56	3.43	0.71	110 x 2	M12	0.79	1.65	38.6
3.94	2.28	2.76	3.82	0.71	125 x 2	M12	0.79	2.13	41.9
3.94	2.28	2.76	3.82	0.71	125 x 2	M12	0.79	2.13	44.1
3.94	2.28	2.76	3.82	0.71	125 x 2	M12	0.79	2.13	49.6
5.31	2.76	2.95	5.12	1.10	165 x 2	M16	0.94	3.03	79.4
5.31	2.76	2.95	5.12	1.10	165 x 2	M16	0.94	3.03	84.9
5.31	2.76	2.95	5.12	1.10	165 x 2	M16	0.94	3.03	94.8

Caution...

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