

SINGLE ACTING ALUMINIUM CYLINDERS

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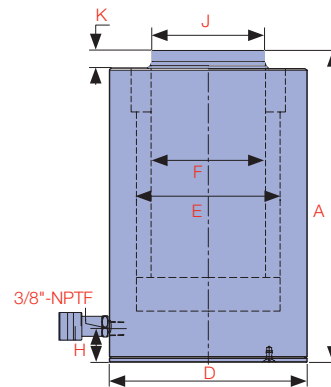
CYLINDERS



EXCEEDS
ANSI/ASME B30.1
SAFETY
STANDARDS

THE **AC-SERIES** IS A LIGHTWEIGHT HIGH STRENGTH ALUMINIUM SPRING RETURN CYLINDER THAT IS IDEAL FOR USE IN APPLICATIONS WHERE WEIGHT AND PORTABILITY ARE PARAMOUNT.

A special anodising treatment on the piston rod, cylinder bore and body resists damage and extends cylinder life. 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)
AC-202	20	213	50	31.2	156	170	85
AC-204		213	100	31.2	312	220	85
AC-206		213	150	31.2	468	270	85
AC-302	30	303	50	44.2	221	180	100
AC-304		303	100	44.2	442	230	100
AC-306		303	150	44.2	663	280	100
AC-502	50	539	50	78.5	393	200	135
AC-504		539	100	78.5	785	250	135
AC-506		539	150	78.5	1,178	300	135
AC-508		539	200	78.5	1,571	350	135
AC-5010		539	250	78.5	1,964	400	135
AC-754	75	776	100	113.1	1,131	265	165
AC-756		776	150	113.1	1,647	315	165
AC-758		776	200	113.1	2,262	365	165
AC-7510		776	250	113.1	2,827	415	165
AC-1004	100	1,056	100	153.9	1,539	280	190
AC-1006		1,056	150	153.9	2,309	330	190
AC-1008		1,056	200	153.9	3,079	380	190
AC-10010		1,056	250	153.9	3,848	430	190
AC-1504	150	1,558	100	227.0	2,270	300	230
AC-1506		1,558	150	227.0	3,405	350	230
AC-1508		1,558	200	227.0	4,540	400	230
AC-15010		1,558	250	227.0	5,675	450	230
AC-2004	200	2,156	100	314.2	3,142	320	270
AC-2006		2,156	150	314.2	4,712	370	270

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

HARDENED GROOVED SADDLE

to prevent piston rod damage
Optional tilt saddles available

GLAND NUT

withstands full dead end loading

HANDLE

is removable

CYLINDER BORE

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

COMPACT SEAL

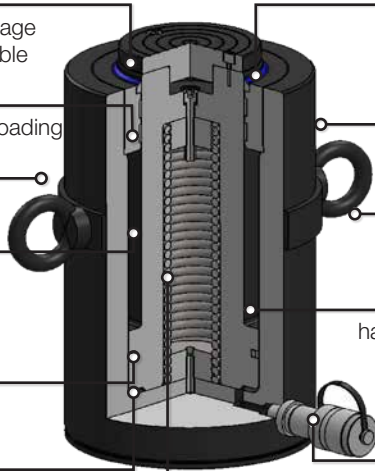
resists wear and extrusion

BEARING SURFACE

large area to protect against side loading

RETURN SPRING

heavy duty for faster retraction



PISTON ROD WIPER

reduces contaminants and improves service life of cylinder

ANODISED FINISH

resists damage

LIGHTWEIGHT

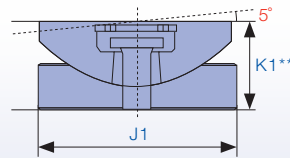
high strength aluminium materials

PISTON ROD

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

QUICK CHANGE COUPLER WITH DUST CAP

for easier connection and release



CAPACITY

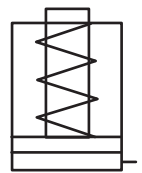
20 - 200 ton

STROKE

50 - 250 mm

MAXIMUM OPERATING PRESSURE

700 bar



E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)	H Base to Advance Port (mm)	J Standard Saddle Diameter (mm)	K Saddle Protrusion from Piston Rod (mm)	Optional Tilt Saddle			Weight (kg)
					Model Number	J1 Diameter (mm)	K1** Height (mm)	
63	50	25	48	12	TSAC-20	48	25	2.7
63	50	25	48	12	TSAC-20	48	25	3.4
63	50	25	48	12	TSAC-20	48	25	4.0
75	60	25	58	14	TSAC-30	55	27	4.0
75	60	25	58	14	TSAC-30	55	27	4.9
75	60	25	58	14	TSAC-30	55	27	5.8
100	80	25	78	17	TSAC-50	74	27	8.5
100	80	25	78	17	TSAC-50	74	27	10.0
100	80	25	78	17	TSAC-50	74	27	11.5
100	80	25	78	17	TSAC-50	74	27	13.0
100	80	25	78	17	TSAC-50	74	27	14.5
120	100	35	98	19	TSAC-75	98	34	15.5
120	100	35	98	19	TSAC-75	98	34	18.0
120	100	35	98	19	TSAC-75	98	34	21.0
120	100	35	98	19	TSAC-75	98	34	24.0
140	110	35	108	20	TSAC-100	103	34	21.5
140	110	35	108	20	TSAC-100	103	34	24.5
140	110	35	108	20	TSAC-100	103	34	27.5
140	110	35	108	20	TSAC-100	103	34	31.0
170	140	40	138	20	TSAC-150	133	40	35.5
170	140	40	138	20	TSAC-150	133	40	40.5
170	140	40	138	20	TSAC-150	133	40	45.5
170	140	40	138	20	TSAC-150	133	40	50.5
200	160	45	158	26	TSAC-200	150	45	50.5
200	160	45	158	26	TSAC-200	150	45	56.5

** Total cylinder collapsed height with optional tilt saddle equals (dim.A - dim.K + dim.K1)

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CYLINDERS



Did you know...

Durapac has a range of aluminium lightweight pumps to suit the aluminium cylinder range.



P-2200A



Caution...

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