

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

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

HANDLE

is removable

LIGHTWEIGHT

high strength aluminium materials

PISTON ROD

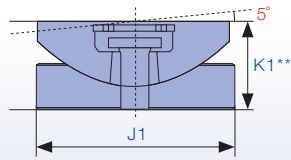
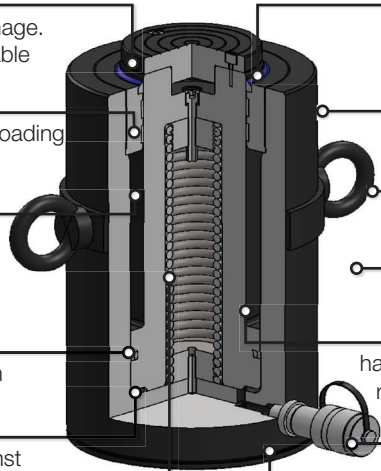
has a special anodising treatment to resist wear, corrosion and damage

PARKER

industry standard high flow coupling for compatibility

MILD STEEL BASE PLATE

protects base



CAPACITY RANGE

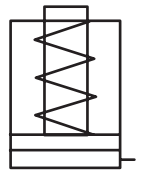
20 - 200 ton

STROKE RANGE

50 - 250 mm

MAXIMUM OPERATING PRESSURE

700 bar



F Piston Rod Diameter (mm)	H Base to Advance Port (mm)	J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	Optional Tilt Saddle			Weight (kg)
				Model Number	J1 Diameter (mm)	K1** Height (mm)	
50	25	48	12	TSAC-20	48	25	2.7
50	25	48	12	TSAC-20	48	25	3.4
50	25	48	12	TSAC-20	48	25	4.0
60	25	58	14	TSAC-30	55	27	4.0
60	25	58	14	TSAC-30	55	27	4.9
60	25	58	14	TSAC-30	55	27	5.8
80	25	78	17	TSAC-50	74	27	8.5
80	25	78	17	TSAC-50	74	27	10.0
80	25	78	17	TSAC-50	74	27	11.5
80	25	78	17	TSAC-50	74	27	13.0
80	25	78	17	TSAC-50	74	27	14.5
95	35	98	19	TSAC-75	98	34	14.0
95	35	98	19	TSAC-75	98	34	16.0
95	35	98	19	TSAC-75	98	34	18.0
95	35	98	19	TSAC-75	98	34	20.0
110	35	108	20	TSAC-100	103	34	21.5
110	35	108	20	TSAC-100	103	34	24.5
110	35	108	20	TSAC-100	103	34	27.5
110	35	108	20	TSAC-100	103	34	31.0
140	40	138	20	TSAC-150	133	40	35.5
140	40	138	20	TSAC-150	133	40	40.5
140	40	138	20	TSAC-150	133	40	45.5
140	40	138	20	TSAC-150	133	40	50.5
160	45	158	26	TSAC-200	150	45	50.5
160	45	158	26	TSAC-200	150	45	56.5



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. Consult Durapac for details on high cycle applications

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

SINGLE ACTING HOLLOW PISTON ALUMINIUM CYLINDERS

HYDRAULIC CYLINDERS

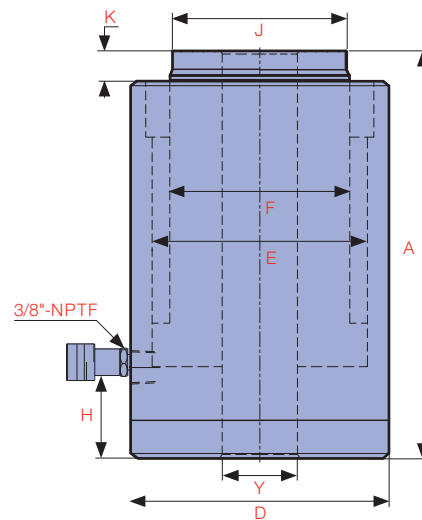


EXCEEDS
ANSI/ASME B30.1
SAFETY
STANDARDS

ACHS-306

THE **ACHS-SERIES** IS A SINGLE ACTING 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

THE **CYLINDER KITS** ARE A CONVENIENT WAY TO PURCHASE REGULARLY REQUESTED CYLINDER AND HAND PUMP COMBINATIONS.

Popular cylinder combinations are available including low profile, aluminium and centre-hole. The range comprises 29 kit options that include a perfectly matched manual hand pump and 2 M hose with coupling. A 63 mm liquid filled pressure gauge with gauge adaptor is included with each kit.



Model	Capacity (ton)*	Stroke (mm)	Collapsed Height	Included in Set				
				Cylinder	Hand Pump	Hose	Gauge	Gauge Adaptor
Aluminium Cylinder Kits - Single Acting Spring Return								
CKA-302	30	50	181	AC-302	P-235A	HPS-0602CR	PG-63	FGA-1
CKA-306		150	281	AC-306	P-2200A	HPS-0602CR	PG-63	FGA-1
CKA-502	50	50	186	AC-502	P-235A	HPS-0602CR	PG-63	FGA-1
CKA-506		150	286	AC-506	P-2200A	HPS-0602CR	PG-63	FGA-1
Hollow Piston Cylinder Kits - Single Acting Spring Return								
CKH-121	12	42	120	RHS-121	P-270	HPS-0602CR	PG-63	FGA-1
CKH-123		76	184	RHS-123	P-270	HPS-0602CR	PG-63	FGA-1
CKH-202	20	49	162	RHS-202	P-270	HPS-0602CR	PG-63	FGA-1
CKH-206		155	306	RHS-206	P-270	HPS-0602CR	PG-63	FGA-1
CKH-302	30	64	178	RHS-302	P-270	HPS-0602CR	PG-63	FGA-1
CKH-306		155	330	RHS-306	P-2200	HPS-0602CR	PG-63	FGA-1
Low Profile Cylinder Kits - Single Acting Spring Return								
CKL-50	5	6	32	RFJ-50	P-270	HPS-0602CR	PG-63	FGA-1
CKL-100	10	12	43	RFJ-100	P-270	HPS-0602CR	PG-63	FGA-1
CKL-101		38	88	RLP-101	P-270	HPS-0602CR	PG-63	FGA-1
CKL-200	20	11	51	RFJ-200	P-270	HPS-0602CR	PG-63	FGA-1
CKL-201		45	98	RLP-201	P-270	HPS-0602CR	PG-63	FGA-1
CKL-300	30	13	58	RFJ-300	P-270	HPS-0602CR	PG-63	FGA-1
CKL-302		62	117	RLP-302	P-270	HPS-0602CR	PG-63	FGA-1
CKL-500	50	16	66	RFJ-500	P-270	HPS-0602CR	PG-63	FGA-1
CKL-502		60	122	RLP-502	P-270	HPS-0602CR	PG-63	FGA-1
CKL-1000	100	16	85	RFJ-1000	P-270	HPS-0602CR	PG-63	FGA-1
CKL-1002		57	141	RLP-1002	P-2200	HPS-0602CR	PG-63	FGA-1
General Jacking Cylinder Kits - Single Acting Spring Return								
CKG-102	10	54	121	RG-102	P-270	HPS-0602CR	PG-63	FGA-1
CKG-106		156	247	RG-106	P-270	HPS-0602CR	PG-63	FGA-1
CKG-252	25	50	165	RG-252	P-270	HPS-0602CR	PG-63	FGA-1
CKG-254		102	215	RG-254	P-270	HPS-0602CR	PG-63	FGA-1
CKG-256		158	273	RG-256	P-270	HPS-0602CR	PG-63	FGA-1
CKG-502	50	51	176	RG-502	P-2200	HPS-0602CR	PG-63	FGA-1
CKG-504		101	227	RG-504	P-2200	HPS-0602CR	PG-63	FGA-1
CKG-506		159	282	RG-506	P-2200	HPS-0602CR	PG-63	FGA-1

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