

THE **RAP-SERIES** IS A SINGLE ACTING LIGHTWEIGHT SPRING RETURN ALUMINUM PULL CYLINDER. IT IS USED IN STEEL STRUCTURAL WORKS, SHIP BUILDING AND TOWER TENSIONING.

All RAP-Series cylinders feature a hard chrome steel piston rod and bronze overlay on the piston bearing area. Clevis eyes can be removed to allow use of the body and piston rod threads.

RAP-506

RAP-306

RAP-206

RAP-106



Model Number	Cylinder Capacity ton* / max.		Stroke (in)	Cylinder Effective Area (in ²)	Oil Capacity (in ³)
RAP-106	10	12.3	5.91	2.43	14.40
RAP-206	20	22.2	5.91	4.37	25.87
RAP-306	30	34.6	5.91	6.82	40.28
RAP-506	50	56.7	5.91	11.18	66.03

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

SINGLE ACTING ALUMINUM PULL CYLINDERS

HYDRAULIC CYLINDERS

LIGHTWEIGHT ALUMINUM BODY

for maximum portability

HARD CHROME PLATED PISTON ROD

for maximum corrosion resistance and cylinder life

RETURN SPRING

is sized to ensure efficient piston rod return and maximum spring life

REMOVABLE CLEVIS EYES

allow the use of custom attachments. See Optional Clevis Ends below



CAPACITY RANGE

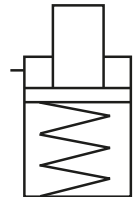
10 - 50 ton

STROKE

5.91 in

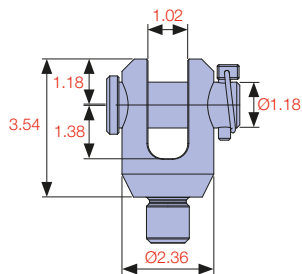
MAXIMUM OPERATING PRESSURE

10,150 psi

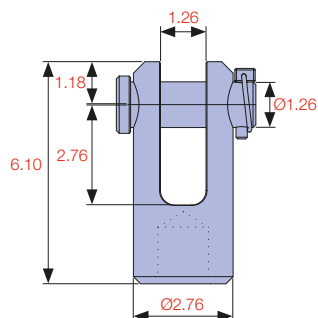


OPTIONAL CLEVIS ENDS

Note: 2 x Clevis and Pin Sets required per cylinder



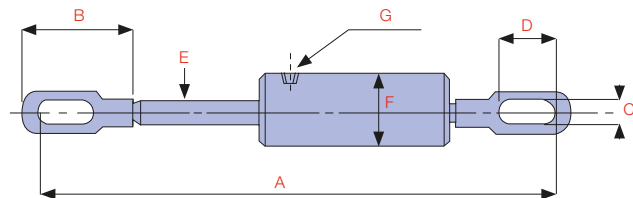
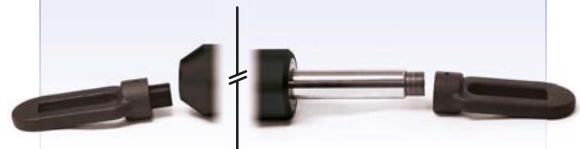
RAP-106-CA suits RAP-106



RAP-206-FCA suits RAP-206

Standard End Threads

Model Number	Base Thread	Piston Rod Thread
RAP-106	M28 x 2.0 female	M28 x 2.0 female
RAP-206	M39 x 3.0 male	M39 x 3.0 male
RAP-306	M45 x 2.5 male	M45 x 2.5 male
RAP-506	M50 x 3.0 male	M50 x 3.0 male



A Extended Height (in)	B Clevis Length (in)	C Clevis Eye Height (in)	D Clevis Eye Length (in)	E Piston Rod Diameter (in)	F Cylinder Diameter (in)	G Port Thread Type	Weight (lbs)	Model Number	Handle Type
30.04	6.73	1.18	4.53	1.57	3.46	3/8"-NPTF	22.7	RAP-106	♠
31.85	7.91	1.38	5.12	1.77	4.25	3/8"-NPTF	30.6	RAP-206	♠
34.45	9.09	1.73	5.71	1.97	4.92	3/8"-NPTF	41.9	RAP-306	♠
35.31	10.75	1.97	5.91	2.13	6.22	3/8"-NPTF	75.0	RAP-506	♠

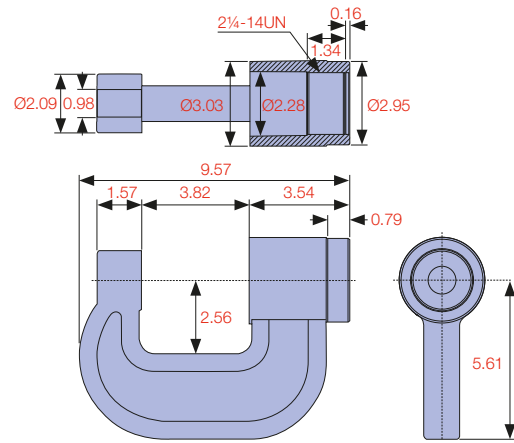
HANDLE TYPE: ♠ THREAD

CYLINDER ACCESSORIES

HYDRAULIC CYLINDERS

C

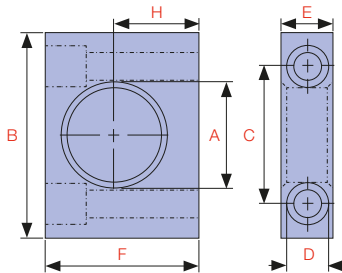
DCC-10 CLAMP



Weight: 10.6 lbs
(without cylinder)

DCC-10 CLAMP MAY BE USED WITH A RG-106 10 TON CYLINDER^

FOOT MOUNTING FOR USE WITH RETAINING NUT

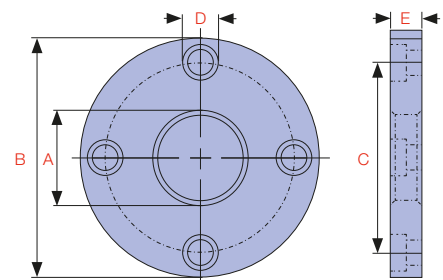


Model No.	Cylinder Capacity (ton)	Dimensions (in)							Suits Model
		A	B	C	D	E	F	H	
RAD-141	4	1.38	3.00	2.28	0.41	0.79	2.24	1.25	RDP 4 ton
RAD-171	9	2.00	4.00	3.07	0.53	0.98	3.25	1.75	RDP 9 ton
RAD-181	16	2.63	5.00	3.75	0.79	1.38	3.94	2.06	RDP 16 ton
RAD-191	25	3.25	6.25	4.63	1.04	1.77	4.92	2.50	RDP 25 ton



FLANGE MOUNTING FOR USE WITH RETAINING NUT

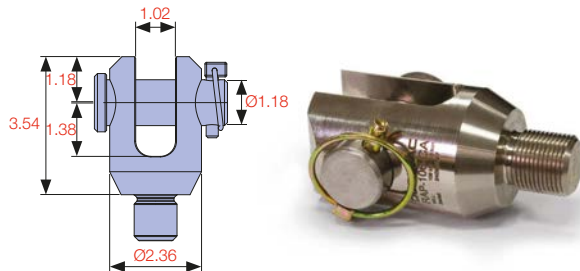
Model No.	Cylinder Capacity (ton)	Dimensions (in)					Suits Model
		A	B	C	D	E	
RAD-142	4	1.38	3.88	3.09	0.41	0.75	RDP 4 ton
RAD-172	9	2.00	4.75	3.88	0.41	1.00	RDP 9 ton
RAD-182	16	2.63	5.62	4.56	0.53	1.38	RDP 16 ton
RAD-192	25	3.25	6.50	5.34	0.66	1.75	RDP 25 ton



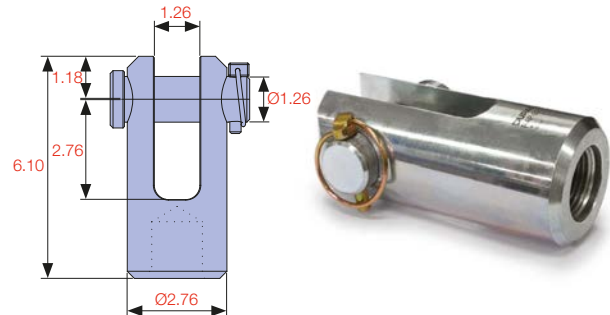
^ RG cylinder sold separately

OPTIONAL CLEVIS ENDS

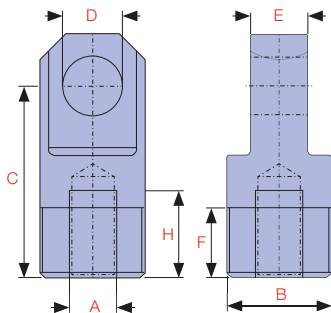
Note: 2 x Clevis and Pin Sets required per cylinder



RAP-106-CA suits RAP-106



RAP-206-FCA suits RAP-206



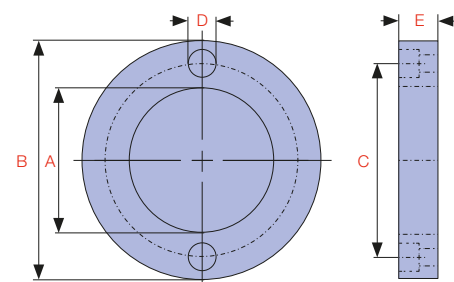
CLEVIS EYE

Model No.	Cylinder Capacity (ton)	Dimensions (in)							Suits Model
		A	B	C	D	E	F	H	
RAD-150**	4	1/2"-20	1-1/8"-20	2.06	0.63	0.63	0.75	0.94	RDP 4 ton
RAD-151**	9	3/4"-16	1-11/16"-18	2.25	0.79	1.00	1.00	0.94	RDP 9 ton
RAD-152**	16	1-1/8"-12	2-3/16"-16	3.06	0.98	1.25	1.00	1.19	RDP 16 ton
RAD-153**	25	1-1/2"-12	2-3/4"-16	3.06	1.26	1.50	1.00	1.06	RDP 25 ton



RETAINING NUT

Model No.	Cylinder Capacity (ton)	Dimensions (in)					Suits Model
		A	B	C	D	E	
RAD-143	4	1-3/8"-12	2.24	1.95	0.25	0.37	RDP 4 ton
RAD-173	9	2"-12	2.95	2.58	0.26	0.50	RDP 9 ton
RAD-183	16	2-5/8"-16	3.60	3.19	0.26	0.75	RDP 16 ton
RAD-193	25	3-1/4"-16	4.25	3.80	0.26	1.00	RDP 25 ton



**See RDP-Series table for Clevis Eye Mounting Dimensions (L, L1 & M)