

THE **RAP-SERIES** IS A SINGLE ACTING LIGHTWEIGHT SPRING RETURN ALUMINIUM 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.



Model Number	Cylinder Capacity ton* / kN		Stroke (mm)	Cylinder Effective Area (cm ²)	Oil Capacity (cm ³)
RAP-106	10	109	150	15.7	236
RAP-206	20	197	150	28.2	424
RAP-306	30	307	150	44.0	660
RAP-506	50	504	150	72.1	1,082

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

LIGHTWEIGHT ALUMINIUM 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

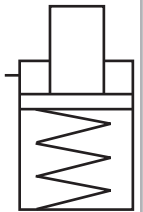
10 - 50 ton

STROKE

150 mm

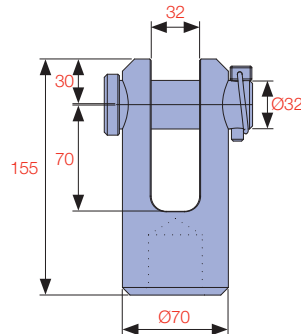
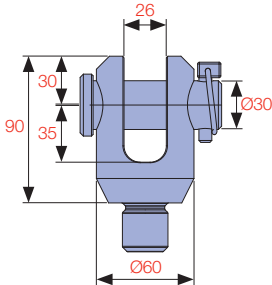
MAXIMUM OPERATING PRESSURE

700 bar



OPTIONAL CLEVIS ENDS

Note: 2 x Clevis and Pin Sets required per cylinder

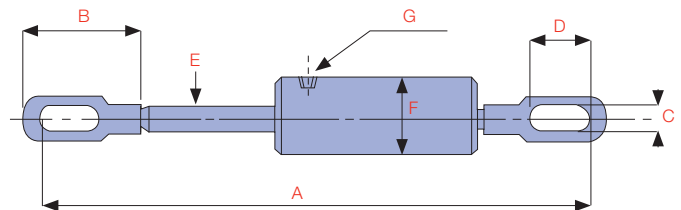
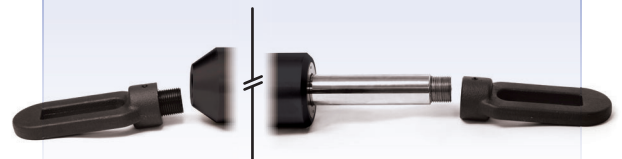


RAP-106-CA suits RAP-106

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

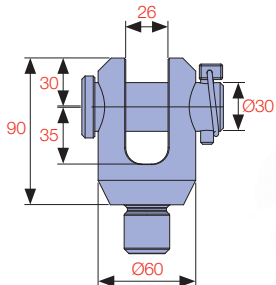


A Extended Height (mm)	B Clevis Length (mm)	C Clevis Eye Height (mm)	D Clevis Eye Length (mm)	E Piston Rod Diameter (mm)	F Cylinder Diameter (mm)	G Port Thread Type	Weight (kg)	Model Number	Handle Type
763	171	30	115	40	88	3/8"-NPTF	10.3	RAP-106	♠
809	201	35	130	45	108	3/8"-NPTF	13.9	RAP-206	♠
875	231	44	145	50	125	3/8"-NPTF	19.0	RAP-306	♠
897	273	50	150	54	158	3/8"-NPTF	34.0	RAP-506	♠

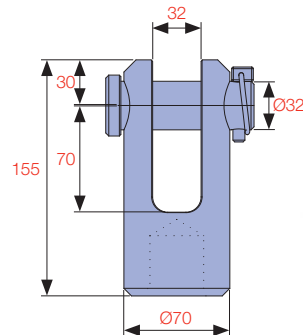
HANDLE TYPE: ♠ THREAD

OPTIONAL CLEVIS ENDS

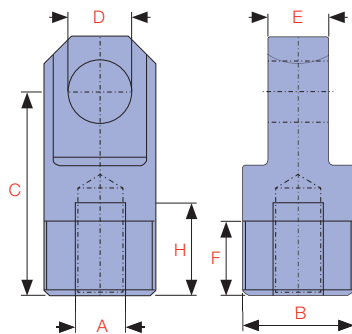
Note: 2 x Clevis and Pin Sets required per cylinder



RAP-106-CA suits RAP-106



RAP-206-FCA suits RAP-206



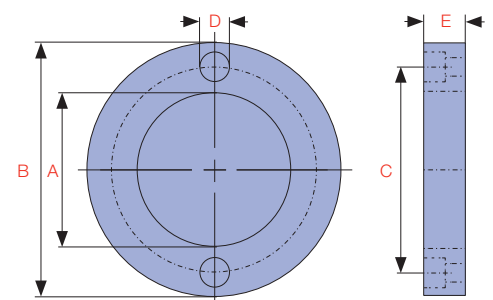
CLEVIS EYE

Model No.	Cylinder Capacity		Dimensions (mm)							Suits Model
	ton*	kN	A	B	C	D	E	F	H	
RAD-150**	4	35	1/2"-20	1-1/8"-20	52.4	16.0	15.9	19.1	23.8	RDP 4 ton
RAD-151**	9	80	3/4"-16	1-11/16"-18	57.1	20.0	25.4	25.4	23.8	RDP 9 ton
RAD-152**	16	142	1-1/8"-12	2-3/16"-16	77.8	25.0	31.8	25.4	30.2	RDP 16 ton
RAD-153**	25	222	1-1/2"-12	2-3/4"-16	77.8	32.0	38.2	25.4	27.0	RDP 25 ton



RETAINING NUT

Model No.	Cylinder Capacity		Dimensions (mm)					Suits Model
	ton*	kN	A	B	C	D	E	
RAD-143	4	35	1-3/8"-12	57.0	49.5	6.3	9.5	RDP 4 ton
RAD-173	9	80	2"-12	75.0	65.5	6.7	12.7	RDP 9 ton
RAD-183	16	142	2-5/8"-16	92.0	81.0	6.7	19.0	RDP 16 ton
RAD-193	25	222	3-1/4"-16	108.0	96.5	6.7	25.4	RDP 25 ton



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

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