

STEEL CYLINDERS

RC Series - Single Acting Center Hole



RC603A Shown

Capacity Range► 12 - 100 tons

Stroke Range► .31 - 6.13 in.

Maximum Pressure► 10,000 psi

- Induction hardened piston rod for added strength eliminating the need for a loadcap.
- Collar threads for easy fixturing.
- Design allows for both push & pull forces.
- Large center hole for greater flexibility.

Cylinders



POWER PUMPS - pages 43 - 65

Simplex offers a wide variety of lightweight power pumps to fit any application.



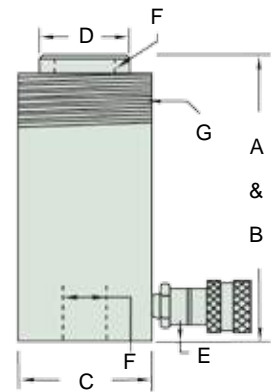
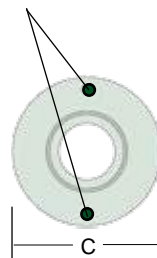
CENTER HOLE

Corrosion resistant technology on the piston rod and retaining nut extends cylinder life.

Base Mounting Hole Dimensions

| Model | Bolt Circle (in) | Thread (in) | Thread Depth (in) |
|---------|------------------|---------------|-------------------|
| RC120A | 2.00 | 5/16 - 18 UNC | .25 |
| RC121A | NO TAPPED HOLES | | |
| RC123A | 2.00 | 5/16 - 18 UNC | .50 |
| 20 Ton | 3.25 | 3/8 - 16 UNC | .37 |
| 30 Ton | 3.63 | 3/8 - 16 UNC | .62 |
| 60 Ton | 5.13 | 1/2 - 13 UNC | .55 |
| RC1003A | 7.00 | 5/8 - 11 UNC | .75 |

• Refer to Base Mounting Table



| Model | Cap. (tons) | Stroke (in) | Oil Capacity Required (cu. in.) | Effect Area (sq. in.) | Pres. @ Cap. (psi) | A | B | C | D | E | F | G | | Wgt. (lbs) |
|---------|-------------|-------------|---------------------------------|-----------------------|--------------------|---------------------|----------------------|----------------|------------------|-----------------------|---------------------------|---------------------|---------------------------|------------|
| | | | | | | Minimum Height (in) | Extended Height (in) | Body O.D. (in) | Piston O.D. (in) | Base to Port C/L (in) | Center Hole Diameter (in) | Collar Threads (in) | Collar Thread Length (in) | |
| RC120A | 12 | 0.31 | .86 | 2.76 | 8,695 | 2.2 | 2.5 | 2.75 | 1.38 | 0.38 | .77 | 2 3/4-16 | 1.19 | 3.5 |
| RC121A | 12 | 1.63 | 4.5 | 2.76 | 8,695 | 4.75 | 6.38 | 2.75 | 1.38 | 0.98 | .77 | 2 3/4-16 | 1.19 | 6.5 |
| RC123A | 12 | 3 | 8.3 | 2.76 | 8,695 | 7.25 | 10.25 | 2.75 | 1.38 | 0.98 | .77 | 2 3/4-16 | 1.19 | 10 |
| RC202A | 20 | 2 | 9.46 | 4.73 | 8,456 | 6.42 | 8.42 | 3.88 | 2.12 | 0.75 | 1.06 | 3 7/8-12 | 1.50 | 17 |
| RC206A | 20 | 6.10 | 28.67 | 4.73 | 8,456 | 12.09 | 18.09 | 3.88 | 2.12 | 0.75 | 1.06 | 3 7/8-12 | 1.50 | 31 |
| RC302A | 30 | 2.5 | 18.05 | 7.22 | 8,310 | 7.03 | 9.53 | 4.5 | 2.5 | 0.85 | 1.31 | 4 1/2-12 | 1.66 | 24 |
| RC306A | 30 | 6.13 | 44.23 | 7.22 | 8,310 | 13 | 19.13 | 4.5 | 2.5 | 1.00 | 1.31 | 4 1/2-12 | 1.66 | 48 |
| RC603A | 60 | 3 | 38.29 | 12.73 | 9,426 | 9.75 | 13.25 | 6.26 | 3.62 | 1.25 | 2.12 | 6 1/4-12 | 1.91 | 62 |
| RC606A | 60 | 6 | 76.41 | 12.73 | 9,426 | 12.75 | 18.75 | 6.26 | 3.26 | 1.25 | 2.12 | 6 1/4-12 | 1.91 | 78 |
| RC1003A | 100 | 3 | 62 | 20.60 | 9,694 | 10 | 13 | 8.38 | 5 | 1.50 | 3.11 | 8 3/8-12 | 2.38 | 132 |