

# STEEL CYLINDERS

RC Series - Single Acting Center Hole

**SIMPLEX**



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.



## POWER PUMPS - pages 43 - 65

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



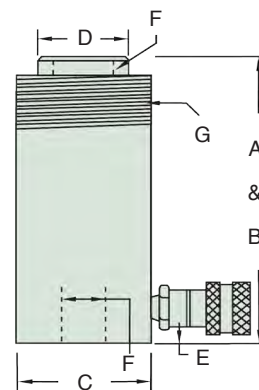
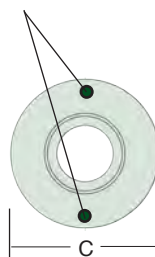
## CENTER HOLE

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<br>Minimum Height (in) | B<br>Extended Height (in) | C<br>Body O.D. (in) | D<br>Piston O.D. (in) | E<br>Base to Port C/L (in) | F<br>Center Hole Diameter (in) | G<br>Collar Threads (in) | Collar Thread Length (in) | Wgt. (lbs) |
|---------|-------------|-------------|---------------------------------|-----------------------|--------------------|--------------------------|---------------------------|---------------------|-----------------------|----------------------------|--------------------------------|--------------------------|---------------------------|------------|
| 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        |