

# ALUMINUM

## RA-SERIES

20-100 TONS

Single Acting, Spring-Return

### HALF THE WEIGHT OF EQUAL CAPACITY STEEL CYLINDERS.

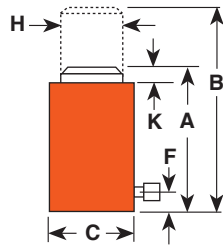
- Aluminum body resists sparking in explosive environments.
- Hard coated aluminum piston rod and cylinder bore resist wear and corrosion.
- Grooved piston top helps keep the load from sliding on top of piston.
- Designed for jacking and other non- production operations.



RA552



RA1006



Base Mtg. Holes (4) at 45° from coupler (RA556, RA5510)  
3/8"-16 x 4 1/2" Dia. B.C.

| Cyl. Cap. (tons) | Order Stroke (in.) | Oil Cap. (cu. in.) | A Retracted Ht. (in.) | B Extended Ht. (in.) | C Outside Dia. (in.) | F Base to Port (in.) | H Piston Rod Dia. (in.) | K Piston Rod Protrusion (in.) | Bore Dia. (in.) | Cylinder Effective Area (sq. in.) | Internal Pressure at Cap. (psi) | Tons at 10,000 psi | Product Wt. (lbs.) |
|------------------|--------------------|--------------------|-----------------------|----------------------|----------------------|----------------------|-------------------------|-------------------------------|-----------------|-----------------------------------|---------------------------------|--------------------|--------------------|
| 20               | 2 1/8 RA202        | 9.41               | 6 3/8                 | 8 1/2                | 3 3/4                | 1 1/4                | 2                       | 5/16                          | 2 3/8           | 4.43                              | 9,030                           | 22.15              | 7.7                |
|                  | 4 1/8 RA204        | 18.27              | 8 3/8                 | 12 1/2               | 3 3/4                | 1 1/4                | 2                       | 5/16                          | 2 3/8           | 4.43                              | 9,030                           | 22.15              | 9.3                |
|                  | 6 1/8 RA206        | 27.13              | 10 3/8                | 16 1/2               | 3 3/4                | 1 1/4                | 2                       | 5/16                          | 2 3/8           | 4.43                              | 9,030                           | 22.15              | 11.3               |
| 30               | 2 1/8 RA302        | 13.79              | 7 3/8                 | 9 1/2                | 4 1/4                | 1 1/4                | 2 1/2                   | 3/8                           | 2 7/8           | 6.49                              | 9,250                           | 32.45              | 11.1               |
|                  | 4 1/8 RA304        | 26.77              | 9 3/8                 | 13 1/2               | 4 1/4                | 1 1/4                | 2 1/2                   | 3/8                           | 2 7/8           | 6.49                              | 9,250                           | 32.45              | 13.1               |
|                  | 6 1/8 RA306        | 39.75              | 11 3/8                | 17 1/2               | 4 1/4                | 1 1/4                | 2 1/2                   | 3/8                           | 2 7/8           | 6.49                              | 9,250                           | 32.45              | 15.1               |
| 55               | 2 1/8 RA552        | 23.50              | 6 3/4                 | 8 7/8                | 5 1/4                | 1 3/8                | 3 1/8                   | 1/4                           | 3 3/4           | 11.04                             | 9,960                           | 55.2               | 16.2               |
|                  | 4 1/8 RA554        | 45.50              | 8 3/4                 | 12 7/8               | 5 1/4                | 1 3/8                | 3 1/8                   | 1/4                           | 3 3/4           | 11.04                             | 9,960                           | 55.2               | 19.6               |
|                  | 6 1/8 RA556*       | 67.60              | 10 3/4                | 16 7/8               | 5 1/4                | 1 3/8                | 3 1/8                   | 1/4                           | 3 3/4           | 11.04                             | 9,960                           | 55.2               | 24.0               |
| 100              | 10 RA5510*         | 110.40             | 15 1/8                | 25 1/8               | 5 1/4                | 1 3/8                | 3 1/8                   | 1/4                           | 3 3/4           | 11.04                             | 9,960                           | 55.2               | 31.8               |
|                  | 2 1/8 RA1002       | 43.80              | 7 3/4                 | 9 7/8                | 7 3/8                | 1 3/16               | 4 1/8                   | 1/8                           | 5 1/8           | 20.62                             | 9,696                           | 103.1              | 33.4               |
|                  | 6 1/4 RA1006*      | 129.00             | 11 3/4                | 18                   | 7 3/8                | 1 3/16               | 4 1/8                   | 1/8                           | 5 1/8           | 20.62                             | 9,696                           | 103.1              | 49.9               |

\* Equipped with carrying handles.