

# RAR SERIES

Specifications

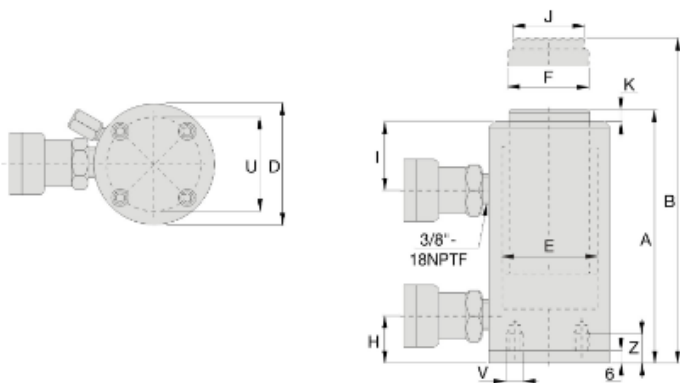
Inquiry

Guide ring eliminates over travel and provides support to reduce wear from off center loads.

High strength alloy aluminum body is coated to protect against corrosion.

Straight pull, return spring assembly provides fast retraction.

Composite bearings prevent metal-to-metal contact, increasing cylinder life and resistance to side-loads of up to 10%.



| Cyl Cap ton | Stroke (mm) | Model     | Max Cylinder Cap (kn) |      | Cylinder Effective Area (cm <sup>2</sup> ) |       | Oil Capacity (cm <sup>3</sup> ) |      | H A (mm) | Extended Height B (mm) | Outside Diameter D (mm) | Cylinder Bore Diameter E (mm) | Plunger Diameter F (mm) | Bottom to Advance Port H (mm) | Top to Retract Port I (mm) | Saddle Diameter J (mm) | Saddle Protrusion from Plunger K (mm) | ⚖️ (kg) |
|-------------|-------------|-----------|-----------------------|------|--|-------|---------------------------------|------|----------|------------------------|-------------------------|-------------------------------|-------------------------|-------------------------------|----------------------------|------------------------|---------------------------------------|---------|
|             |             |           | Push                  | Pull | Push                                       | Pull  | Push                            | Pull |          |                        |                         |                               |                         |                               |                            |                        |                                       |         |
| 20          | 50          | RAR-202   | 218                   | 130  | 31.2                                       | 18.6  | 156                             | 93   | 189      | 239                    | 113                     | 63                            | 40                      | 30                            | 50                         | 30                     | 3                                     | 7.4     |
|             | 100         | RAR-204   | 218                   | 130  | 31.2                                       | 18.6  | 312                             | 186  | 239      | 339                    | 113                     | 63                            | 40                      | 30                            | 50                         | 30                     | 3                                     | 8.0     |
|             | 150         | RAR-206   | 218                   | 130  | 31.2                                       | 18.6  | 468                             | 279  | 289      | 439                    | 113                     | 63                            | 40                      | 30                            | 50                         | 30                     | 3                                     | 8.6     |
|             | 200         | RAR-208   | 218                   | 130  | 31.2                                       | 18.6  | 624                             | 372  | 339      | 539                    | 113                     | 63                            | 40                      | 30                            | 50                         | 30                     | 3                                     | 9.2     |
|             | 250         | RAR-2010  | 218                   | 130  | 31.2                                       | 18.6  | 780                             | 465  | 389      | 639                    | 113                     | 63                            | 40                      | 30                            | 50                         | 30                     | 3                                     | 9.8     |
| 30          | 50          | RAR-302   | 309                   | 179  | 44.2                                       | 24.5  | 221                             | 123  | 201      | 251                    | 125                     | 75                            | 50                      | 30                            | 55                         | 40                     | 3                                     | 8.6     |
|             | 100         | RAR-304   | 309                   | 179  | 44.2                                       | 24.5  | 442                             | 245  | 251      | 351                    | 125                     | 75                            | 50                      | 30                            | 55                         | 40                     | 3                                     | 9.5     |
|             | 150         | RAR-306   | 309                   | 179  | 44.2                                       | 24.5  | 663                             | 368  | 301      | 451                    | 125                     | 75                            | 50                      | 30                            | 55                         | 40                     | 3                                     | 10.4    |
|             | 200         | RAR-308   | 309                   | 179  | 44.2                                       | 24.5  | 884                             | 490  | 351      | 551                    | 125                     | 75                            | 50                      | 30                            | 55                         | 40                     | 3                                     | 11.3    |
|             | 250         | RAR-3010  | 309                   | 179  | 44.2                                       | 24.5  | 1105                            | 613  | 401      | 651                    | 125                     | 75                            | 50                      | 30                            | 55                         | 40                     | 3                                     | 12.2    |
| 50          | 50          | RAR-502   | 496                   | 187  | 70.9                                       | 26.7  | 354                             | 134  | 201      | 251                    | 145                     | 95                            | 75                      | 30                            | 56                         | 50                     | 3                                     | 11.1    |
|             | 100         | RAR-504   | 496                   | 187  | 70.9                                       | 26.7  | 709                             | 267  | 251      | 351                    | 145                     | 95                            | 75                      | 30                            | 56                         | 50                     | 3                                     | 12.7    |
|             | 150         | RAR-506   | 496                   | 187  | 70.9                                       | 26.7  | 1063                            | 401  | 301      | 451                    | 145                     | 95                            | 75                      | 30                            | 56                         | 50                     | 3                                     | 14.3    |
|             | 200         | RAR-508   | 496                   | 187  | 70.9                                       | 26.7  | 1417                            | 534  | 351      | 551                    | 145                     | 95                            | 75                      | 30                            | 56                         | 50                     | 3                                     | 15.9    |
|             | 250         | RAR-5010  | 496                   | 187  | 70.9                                       | 26.7  | 1771                            | 668  | 401      | 651                    | 145                     | 95                            | 75                      | 30                            | 56                         | 50                     | 3                                     | 17.5    |
| 100         | 50          | RAR-1002  | 1002                  | 557  | 143.1                                      | 79.5  | 715                             | 398  | 251      | 301                    | 185                     | 135                           | 90                      | 43                            | 80                         | 75                     | 3                                     | 16.4    |
|             | 100         | RAR-1004  | 1002                  | 557  | 143.1                                      | 79.5  | 1431                            | 795  | 301      | 401                    | 185                     | 135                           | 90                      | 43                            | 80                         | 75                     | 3                                     | 19.3    |
|             | 150         | RAR-1006  | 1002                  | 557  | 143.1                                      | 79.5  | 2147                            | 1193 | 351      | 501                    | 185                     | 135                           | 90                      | 43                            | 80                         | 75                     | 3                                     | 22.2    |
|             | 200         | RAR-1008  | 1002                  | 557  | 143.1                                      | 79.5  | 2863                            | 1590 | 401      | 601                    | 185                     | 135                           | 90                      | 43                            | 80                         | 75                     | 3                                     | 25.1    |
|             | 250         | RAR-10010 | 1002                  | 557  | 143.1                                      | 79.5  | 3578                            | 1988 | 451      | 701                    | 185                     | 135                           | 90                      | 43                            | 80                         | 75                     | 3                                     | 28.0    |
| 150         | 50          | RAR-1502  | 1589                  | 924  | 227.0                                      | 132.0 | 1135                            | 660  | 248      | 298                    | 230                     | 170                           | 110                     | 38                            | 75                         | 113                    | 3                                     | 24.2    |
|             | 100         | RAR-1504  | 1589                  | 924  | 227.0                                      | 132.0 | 2270                            | 1320 | 298      | 398                    | 230                     | 170                           | 110                     | 38                            | 75                         | 113                    | 3                                     | 28.9    |
|             | 150         | RAR-1506  | 1589                  | 924  | 227.0                                      | 132.0 | 3405                            | 1980 | 348      | 498                    | 230                     | 170                           | 110                     | 38                            | 75                         | 113                    | 3                                     | 33.2    |
|             | 200         | RAR-1508  | 1589                  | 924  | 227.0                                      | 132.0 | 4540                            | 2640 | 398      | 598                    | 230                     | 170                           | 110                     | 38                            | 75                         | 113                    | 3                                     | 37.9    |
|             | 250         | RAR-15010 | 1589                  | 924  | 227.0                                      | 132.0 | 5675                            | 3300 | 448      | 698                    | 230                     | 170                           | 110                     | 38                            | 75                         | 113                    | 3                                     | 42.6    |