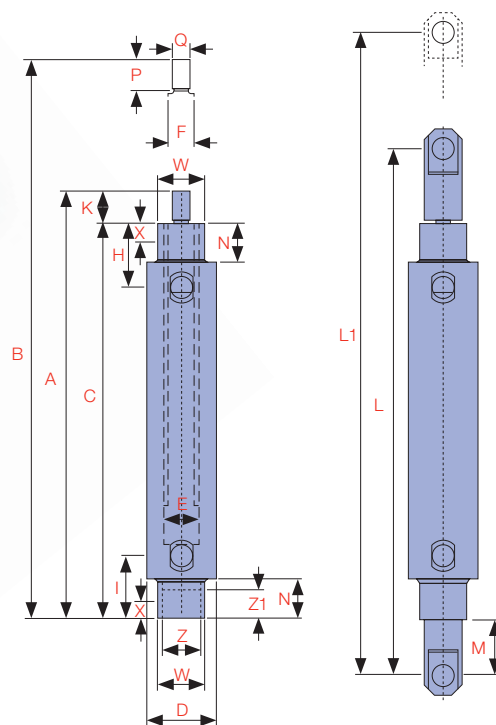




RDP-96

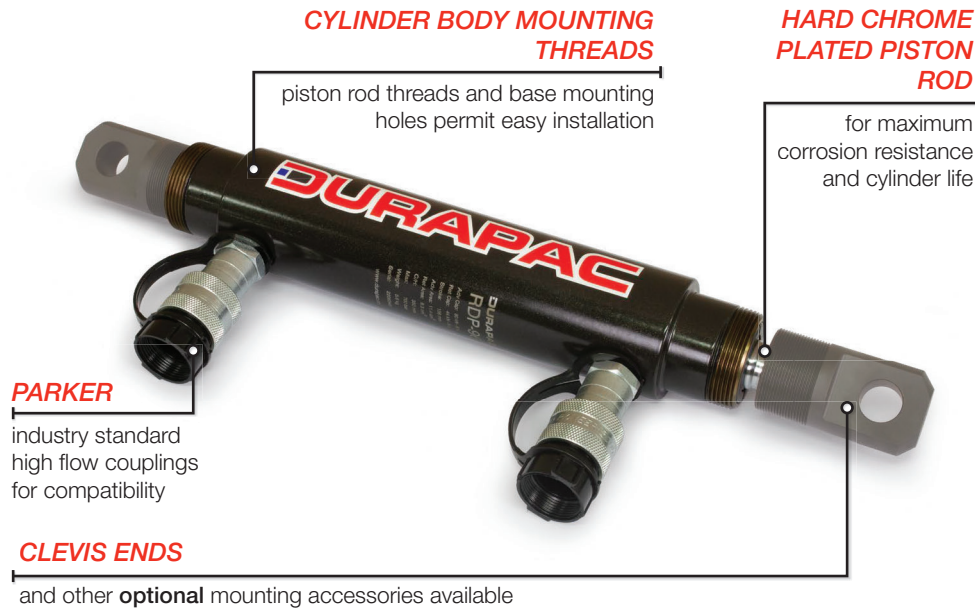
THE **RDP-SERIES** IS A HIGH PRECISION DOUBLE ACTING CYLINDER FOR USE IN APPLICATIONS WHERE ITS UNIQUE MOUNTING CONFIGURATIONS SIMPLIFY INSTALLATION. IT IS THE PERFECT CHOICE FOR PRODUCTION APPLICATIONS DUE TO THEIR HIGH-CYCLE PERFORMANCE.

All RDP-Series cylinders feature a hard chrome piston rod for maximum resistance to corrosion and wear. All models include collar thread, piston rod threads and base mounting holes. Optional mounting accessories including clevis ends are available.



| Model Number | Cylinder Capacity |            |            | Stroke (mm) | Cylinder Effective Area |               | Oil Capacity  |               | A Collapsed Height (mm) | B Extended Height (mm) | C Body Length (mm) | D Outside Diameter (mm) | E Cylinder Bore Diameter (mm) | F Piston Rod Diameter (mm) |
|--------------|-------------------|------------|------------|-------------|-------------------------|---------------|---------------|---------------|-------------------------|------------------------|--------------------|-------------------------|-------------------------------|----------------------------|
|              | ton*              | Advance kN | Retract kN |             | Advance (cm²)           | Retract (cm²) | Advance (cm³) | Retract (cm³) |                         |                        |                    |                         |                               |                            |
| RDP-41       | 4                 | 35         | 16         | 29          | 5.1                     | 2.2           | 14            | 6             | 186                     | 214                    | 162                | 50.1                    | 25.4                          | 19.0                       |
| RDP-43       |                   | 35         | 16         | 80          | 5.1                     | 2.2           | 40            | 17            | 237                     | 316                    | 213                | 50.1                    | 25.4                          | 19.0                       |
| RDP-46       |                   | 35         | 16         | 156         | 5.1                     | 2.2           | 79            | 34            | 313                     | 468                    | 289                | 50.1                    | 25.4                          | 19.0                       |
| RDP-91       | 9                 | 80         | 44         | 29          | 11.4                    | 6.3           | 32            | 18            | 223                     | 251                    | 198                | 63.5                    | 38.1                          | 25.4                       |
| RDP-93       |                   | 80         | 44         | 80          | 11.4                    | 6.3           | 90            | 50            | 274                     | 353                    | 249                | 63.5                    | 38.1                          | 25.4                       |
| RDP-96       |                   | 80         | 44         | 156         | 11.4                    | 6.3           | 177           | 98            | 350                     | 505                    | 325                | 63.5                    | 38.1                          | 25.4                       |
| RDP-910      |                   | 80         | 44         | 257         | 11.4                    | 6.3           | 293           | 162           | 452                     | 709                    | 427                | 63.5                    | 38.1                          | 25.4                       |
| RDP-166      | 16                | 142        | 77         | 159         | 20.3                    | 10.6          | 323           | 169           | 389                     | 548                    | 359                | 76.2                    | 50.8                          | 35.0                       |
| RDP-1610     |                   | 142        | 77         | 260         | 20.3                    | 10.6          | 528           | 276           | 491                     | 751                    | 461                | 76.2                    | 50.8                          | 35.0                       |
| RDP-256      | 25                | 222        | 98         | 159         | 31.7                    | 13.7          | 504           | 218           | 424                     | 583                    | 397                | 92.2                    | 63.5                          | 47.8                       |
| RDP-2510     |                   | 222        | 98         | 260         | 31.7                    | 13.7          | 824           | 356           | 526                     | 786                    | 499                | 92.2                    | 63.5                          | 47.8                       |

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



**Durapac** offer a range of clevis eye, retaining nut & foot or flange mounting attachments to suit the **RDP-Series** cylinders. Refer to Cylinder Accessories for more details

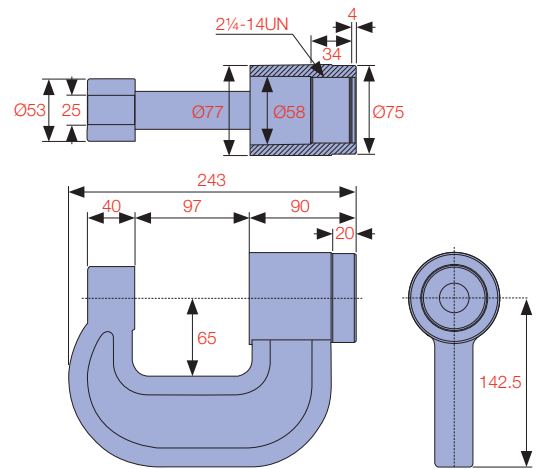


| H<br>Top to<br>Return<br>Port<br>(mm) | I<br>Base to<br>Advance<br>Port<br>(mm) | K<br>Piston<br>Rod<br>Protrusion<br>(mm) | L<br>Clevis<br>Eye<br>Mounting<br>Dim.<br>(mm) | L1<br>Clevis<br>Eye<br>Mounting<br>Dim.<br>(mm) | M<br>Clevis<br>Eye<br>Mounting<br>Dim.<br>(mm) | N<br>Neck<br>Length<br>(mm) | P<br>Piston<br>Rod<br>Thread<br>Length<br>(mm) | Q<br>Piston<br>Rod<br>Extension<br>Thread | W<br>Collar<br>Thread | X<br>Collar<br>Thread<br>Length<br>(mm) | Z<br>Internal<br>Base<br>Thread | Z1<br>Internal<br>Base<br>Thread<br>Length<br>(mm) | Weight<br>(kg) |
|---------------------------------------|-----------------------------------------|------------------------------------------|------------------------------------------------|-------------------------------------------------|------------------------------------------------|-----------------------------|------------------------------------------------|-------------------------------------------|-----------------------|-----------------------------------------|---------------------------------|----------------------------------------------------|----------------|
| 48                                    | 48                                      | 24                                       | 257                                            | 286                                             | 41.0                                           | 29                          | 19.1                                           | 1/2"-20                                   | 1-3/8"-12             | 11                                      | 1-1/8"-20                       | 9                                                  | 2.0            |
| 48                                    | 48                                      | 24                                       | 307                                            | 387                                             | 41.0                                           | 29                          | 19.1                                           | 1/2"-20                                   | 1-3/8"-12             | 11                                      | 1-1/8"-20                       | 9                                                  | 2.6            |
| 48                                    | 48                                      | 24                                       | 384                                            | 540                                             | 41.0                                           | 29                          | 19.1                                           | 1/2"-20                                   | 1-3/8"-12             | 11                                      | 1-1/8"-20                       | 9                                                  | 3.6            |
| 58                                    | 58                                      | 25                                       | 295                                            | 324                                             | 38.0                                           | 38                          | 19.1                                           | 3/4"-16                                   | 2"-12                 | 14                                      | 1-11/16"-18                     | 14                                                 | 3.0            |
| 58                                    | 58                                      | 25                                       | 347                                            | 426                                             | 38.0                                           | 38                          | 19.1                                           | 3/4"-16                                   | 2"-12                 | 14                                      | 1-11/16"-18                     | 14                                                 | 4.2            |
| 58                                    | 58                                      | 25                                       | 423                                            | 579                                             | 38.0                                           | 38                          | 19.1                                           | 3/4"-16                                   | 2"-12                 | 14                                      | 1-11/16"-18                     | 14                                                 | 5.6            |
| 58                                    | 58                                      | 25                                       | 525                                            | 782                                             | 38.0                                           | 38                          | 19.1                                           | 3/4"-16                                   | 2"-12                 | 14                                      | 1-11/16"-18                     | 14                                                 | 7.3            |
| 74                                    | 74                                      | 30                                       | 495                                            | 654                                             | 53.8                                           | 54                          | 25.4                                           | 1-1/8"-12                                 | 2-5/8"-16             | 22                                      | 2-3/16"-16                      | 24                                                 | 10.2           |
| 74                                    | 74                                      | 30                                       | 593                                            | 853                                             | 52.0                                           | 54                          | 25.4                                           | 1-1/8"-12                                 | 2-5/8"-16             | 22                                      | 2-3/16"-16                      | 24                                                 | 14.5           |
| 89                                    | 89                                      | 27                                       | 530                                            | 689                                             | 53.0                                           | 70                          | 25.4                                           | 1-1/2"-12                                 | 3-1/4"-16             | 29                                      | 2-3/4"-16                       | 26                                                 | 16.0           |
| 89                                    | 89                                      | 27                                       | 631                                            | 892                                             | 53.0                                           | 70                          | 25.4                                           | 1-1/2"-12                                 | 3-1/4"-16             | 29                                      | 2-3/4"-16                       | 26                                                 | 20.3           |

## CYLINDER ACCESSORIES

### HYDRAULIC CYLINDERS

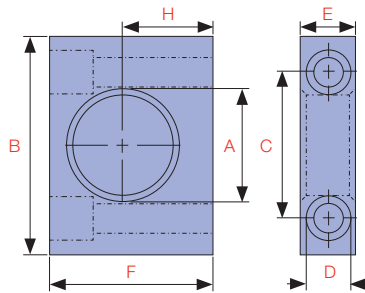
#### DCC-10 CLAMP



Weight: 4.8 kg  
(without cylinder)

DCC-10 CLAMP MAY BE USED WITH A RG-106 10 TON CYLINDER^

#### FOOT MOUNTING FOR USE WITH RETAINING NUT

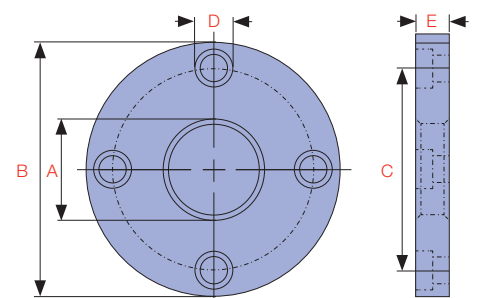


| Model No. | Cylinder Capacity |     | Dimensions (mm) |       |       |      |      |       |      | Suits Model |
|-----------|-------------------|-----|-----------------|-------|-------|------|------|-------|------|-------------|
|           | ton*              | kN  | A               | B     | C     | D    | E    | F     | H    |             |
| RAD-141   | 4                 | 35  | 35.1            | 76.2  | 58.0  | 10.5 | 20.0 | 57.0  | 31.8 | RDP 4 ton   |
| RAD-171   | 9                 | 80  | 50.8            | 101.6 | 78.0  | 13.5 | 25.0 | 82.5  | 44.5 | RDP 9 ton   |
| RAD-181   | 16                | 142 | 66.8            | 127.0 | 95.2  | 20.0 | 35.0 | 100.0 | 52.4 | RDP 16 ton  |
| RAD-191   | 25                | 222 | 82.6            | 158.8 | 117.5 | 26.5 | 45.0 | 125.0 | 63.5 | RDP 25 ton  |



#### FLANGE MOUNTING FOR USE WITH RETAINING NUT

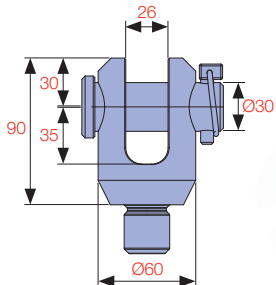
| Model No. | Cylinder Capacity |     | Dimensions (mm) |       |       |      |      | Suits Model |
|-----------|-------------------|-----|-----------------|-------|-------|------|------|-------------|
|           | ton*              | kN  | A               | B     | C     | D    | E    |             |
| RAD-142   | 4                 | 35  | 35.1            | 98.6  | 78.5  | 10.4 | 19.0 | RDP 4 ton   |
| RAD-172   | 9                 | 80  | 50.8            | 120.7 | 98.6  | 10.4 | 25.4 | RDP 9 ton   |
| RAD-182   | 16                | 142 | 66.8            | 143.0 | 115.9 | 13.5 | 35.0 | RDP 16 ton  |
| RAD-192   | 25                | 222 | 82.6            | 165.1 | 135.6 | 16.8 | 44.5 | RDP 25 ton  |



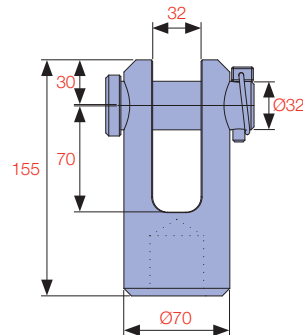
\*Nominal Cylinder Capacity in ton - see kN values for actual capacity  
^ RG cylinder sold separately

### OPTIONAL CLEVIS ENDS

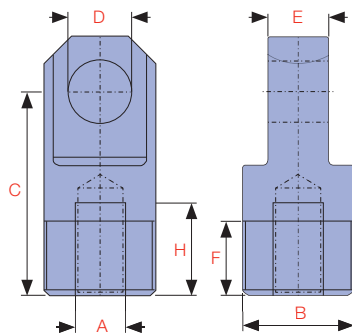
Note: 2 x Clevis and Pin Sets required per cylinder



RAP-106-CA suits RAP-106



RAP-206-FCA suits RAP-206



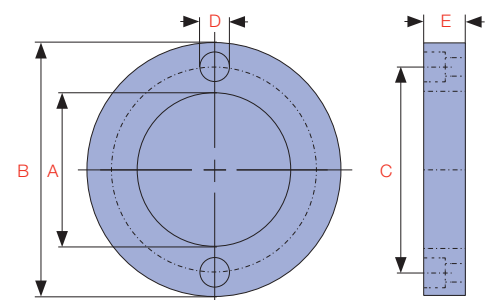
### CLEVIS EYE

| 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)