

# INTERNAL TOLERANCE RINGS

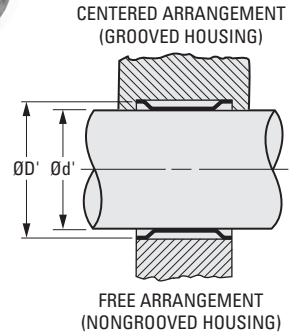
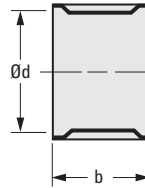


ALLOWS LOOSER TOLERANCE  
LOW COST ASSEMBLY  
MOUNTS BALL BEARINGS

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM

## MATERIAL:

301 Stainless Steel  
High Carbon Spring Steel



## INCH COMPONENT

| Catalog Number             | Ring Dimensions |      | d' Inner Member O.D.<br>+.000<br>-.001 | D' Outer Member I.D.       |                     | Max. Radial Load Capacity<br>lbf | Max. Design Torque<br>lbf in. | Max. Design Thrust<br>lbf |
|----------------------------|-----------------|------|----------------------------------------|----------------------------|---------------------|----------------------------------|-------------------------------|---------------------------|
|                            | d Dia.          | b    |                                        | For Mounting Ball Bearings | For Torque Transfer |                                  |                               |                           |
| * High Carbon Spring Steel |                 |      |                                        |                            |                     |                                  |                               |                           |
| S77RH1-012025              | 1/8             | .250 | .125                                   | .144/.143                  | .142/.141           | 15                               | 2.2                           | 35                        |
| S77RH1-018025              | 3/16            | .250 | .188                                   | .226/224                   | .221/.219           | 25                               | 3                             | 30                        |
| S77RH1-018043              | 3/16            | .438 | .188                                   | .226/224                   | .221/.219           | 40                               | 6                             | 65                        |
| S77RH1-018050              | 3/16            | .500 | .188                                   | .226/224                   | .221/.219           | 50                               | 7                             | 75                        |
| S77RH1-025037              | 1/4             | .375 | .250                                   | .289/287                   | .284/282            | 65                               | 9                             | 70                        |
| S77RH1-025050              | 1/4             | .500 | .250                                   | .289/287                   | .284/282            | 90                               | 12                            | 95                        |
| S77RH1-031025              | 5/16            | .250 | .313                                   | .370/368                   | .363/361            | 65                               | 9                             | 60                        |
| S77RH1-031031              | 5/16            | .313 | .313                                   | .370/368                   | .363/361            | 80                               | 11                            | 70                        |
| S77RH1-031037              | 5/16            | .375 | .313                                   | .370/368                   | .363/361            | 100                              | 14                            | 90                        |
| S77RH1-031050              | 5/16            | .500 | .313                                   | .370/368                   | .363/361            | 130                              | 18                            | 115                       |
| S77RH1-037025              | 3/8             | .250 | .375                                   | .433/430                   | .426/423            | 190                              | 15                            | 80                        |
| S77RH1-037031              | 3/8             | .313 | .375                                   | .433/430                   | .426/423            | 230                              | 20                            | 105                       |
| S77RH1-037050              | 3/8             | .500 | .375                                   | .433/430                   | .426/423            | 370                              | 35                            | 185                       |
| S77RH1-037062              | 3/8             | .625 | .375                                   | .433/430                   | .426/423            | 470                              | 40                            | 210                       |
| 301 Stainless Steel        |                 |      |                                        |                            |                     |                                  |                               |                           |
| S77RY1-012025              | 1/8             | .250 | .125                                   | .144/.143                  | .142/.141           | 15                               | 2.2                           | 35                        |
| S77RY1-018025              | 3/16            | .250 | .188                                   | .226/224                   | .221/.219           | 25                               | 3                             | 30                        |
| S77RY1-018043              | 3/16            | .438 | .188                                   | .226/224                   | .221/.219           | 40                               | 6                             | 65                        |
| S77RY1-018050              | 3/16            | .500 | .188                                   | .226/224                   | .221/.219           | 50                               | 7                             | 75                        |
| S77RY1-025037              | 1/4             | .375 | .250                                   | .289/287                   | .284/282            | 65                               | 9                             | 70                        |
| S77RY1-025050              | 1/4             | .500 | .250                                   | .289/287                   | .284/282            | 90                               | 12                            | 95                        |
| S77RY1-031025              | 5/16            | .250 | .313                                   | .370/368                   | .363/361            | 65                               | 9                             | 60                        |
| S77RY1-031031              | 5/16            | .313 | .313                                   | .370/368                   | .363/361            | 80                               | 11                            | 70                        |
| S77RY1-031037              | 5/16            | .375 | .313                                   | .370/368                   | .363/361            | 100                              | 14                            | 90                        |
| S77RY1-031050              | 5/16            | .500 | .313                                   | .370/368                   | .363/361            | 130                              | 18                            | 115                       |
| S77RY1-037025              | 3/8             | .250 | .375                                   | .433/430                   | .426/423            | 190                              | 15                            | 80                        |
| S77RY1-037031              | 3/8             | .313 | .375                                   | .433/430                   | .426/423            | 230                              | 20                            | 105                       |
| S77RY1-037050              | 3/8             | .500 | .375                                   | .433/430                   | .426/423            | 370                              | 35                            | 185                       |
| S77RY1-037062              | 3/8             | .625 | .375                                   | .433/430                   | .426/423            | 470                              | 40                            | 210                       |

\* To be discontinued when present stock is depleted.

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