



## Spring Assemblies - Bracket - RINO

| Part Number | Spring Width<br>(W) mm | Spring<br>Thickness (T)<br>mm | Spring Length<br>(L) mm | Load ± 10% N | Load ± 10% KG | Extensions mm | Ave Fatigue<br>Life Cycles | End Hole 1<br>(Dia. / Centre)<br>mm | End Hole 2<br>(Dia. / Centre)<br>mm |
|-------------|------------------------|-------------------------------|-------------------------|--------------|---------------|---------------|----------------------------|-------------------------------------|-------------------------------------|
|             | <i>inches</i>          | <i>inches</i>                 | <i>inches</i>           |              |               | <i>inches</i> |                            | <i>inches</i>                       | <i>inches</i>                       |
| # BBSR39    | 19.05                  | 0.25                          | 1015                    | 13.530       | 1.4           | 840           | 15000                      | 3.98mm at<br>5.16mm From<br>End     | -                                   |
|             | <i>0.750</i>           | <i>0.010</i>                  | <i>39.961</i>           |              |               | <i>33.071</i> |                            |                                     |                                     |
| # BBSR65    | 19.05                  | 0.25                          | 1016                    | 7.800        | 0.8           | 760           | 40000                      | 3.98mm at<br>5.16mm From<br>End     | -                                   |
|             | <i>0.750</i>           | <i>0.010</i>                  | <i>40.000</i>           |              |               | <i>29.921</i> |                            |                                     |                                     |
| # BBSR14    | 19.05                  | 0.31                          | 1219                    | 25.600       | 2.6           | 1040          | 5000                       | 3.98mm at<br>5.16mm From<br>End     | -                                   |
|             | <i>0.750</i>           | <i>0.012</i>                  | <i>47.992</i>           |              |               | <i>40.945</i> |                            |                                     |                                     |
| # BBSR40    | 19.05                  | 0.31                          | 1219                    | 16.870       | 1.7           | 1020          | 15000                      | 3.98mm at<br>5.16mm From<br>End     | -                                   |
|             | <i>0.750</i>           | <i>0.012</i>                  | <i>47.992</i>           |              |               | <i>40.157</i> |                            |                                     |                                     |
| # BBSR41    | 19.05                  | 0.36                          | 1422                    | 19.610       | 2.0           | 1170          | 15000                      | 3.98mm at<br>5.16mm From<br>End     | -                                   |
|             | <i>0.750</i>           | <i>0.014</i>                  | <i>55.984</i>           |              |               | <i>46.063</i> |                            |                                     |                                     |
| # BBSR15    | 19.05                  | 0.36                          | 1422                    | 30.790       | 3.1           | 1220          | 5000                       | 3.98mm at<br>5.16mm From<br>End     | -                                   |
|             | <i>0.750</i>           | <i>0.014</i>                  | <i>55.984</i>           |              |               | <i>48.031</i> |                            |                                     |                                     |
| # BBSR42    | 25.40                  | 0.31                          | 1219                    | 22.260       | 2.3           | 1020          | 15000                      | 5.16mm at<br>7.94mm From<br>End     | -                                   |
|             | <i>1.000</i>           | <i>0.012</i>                  | <i>47.992</i>           |              |               | <i>40.157</i> |                            |                                     |                                     |

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|-------------|------------------------|-------------------------------|-------------------------|--------------|---------------|---------------|----------------------------|-------------------------------------|-------------------------------------|
|             | <i>inches</i>          | <i>inches</i>                 | <i>inches</i>           |              |               | <i>inches</i> |                            | <i>inches</i>                       | <i>inches</i>                       |
| # BBSR16    | 25.40                  | 0.31                          | 1219                    | 34.120       | 3.5           | 1040          | 5000                       | 5.16mm at<br>7.94mm From<br>End     | -                                   |
|             | <i>1.000</i>           | <i>0.012</i>                  | <i>47.992</i>           |              |               | <i>40.945</i> |                            |                                     |                                     |
| # BBSR17    | 25.40                  | 0.36                          | 1422                    | 40.990       | 4.2           | 1220          | 5000                       | 5.16mm at<br>7.94mm From<br>End     | -                                   |
|             | <i>1.000</i>           | <i>0.014</i>                  | <i>55.984</i>           |              |               | <i>48.031</i> |                            |                                     |                                     |
| # BBSR43    | 25.40                  | 0.36                          | 1422                    | 26.280       | 2.7           | 1170          | 15000                      | 5.16mm at<br>7.94mm From<br>End     | -                                   |
|             | <i>1.000</i>           | <i>0.014</i>                  | <i>55.984</i>           |              |               | <i>46.063</i> |                            |                                     |                                     |
| # BSSR18    | 25.40                  | 0.41                          | 1626                    | 47.070       | 4.1           | 1400          | 5000                       | 5.16mm at<br>7.94mm From<br>End     | -                                   |
|             | <i>1.000</i>           | <i>0.016</i>                  | <i>64.016</i>           |              |               | <i>55.118</i> |                            |                                     |                                     |
| # BSSR19    | 25.40                  | 0.46                          | 1829                    | 52.860       | 5.4           | 1600          | 5000                       | 5.16mm at<br>7.94mm From<br>End     | -                                   |
|             | <i>1.000</i>           | <i>0.018</i>                  | <i>72.008</i>           |              |               | <i>62.992</i> |                            |                                     |                                     |
| # BSSR20    | 38.10                  | 0.36                          | 1422                    | 60.700       | 6.2           | 1220          | 5000                       | 2.54mm at<br>5.55mm From<br>End     | 3.97mm at<br>15.05mm From<br>End    |
|             | <i>1.500</i>           | <i>0.014</i>                  | <i>55.984</i>           |              |               | <i>48.031</i> |                            |                                     |                                     |
| # BBSR46    | 38.10                  | 0.36                          | 1422                    | 39.520       | 4.0           | 1170          | 15000                      | 2.54mm at<br>5.55mm From<br>End     | 3.97mm at<br>15.05mm From<br>End    |
|             | <i>1.500</i>           | <i>0.014</i>                  | <i>55.984</i>           |              |               | <i>46.063</i> |                            |                                     |                                     |

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|-------------|------------------------|-------------------------------|-------------------------|--------------|---------------|---------------|----------------------------|-------------------------------------|-------------------------------------|
|             | <i>inches</i>          | <i>inches</i>                 | <i>inches</i>           |              |               | <i>inches</i> |                            | <i>inches</i>                       | <i>inches</i>                       |
| # BSSR22    | 38.10                  | 0.46                          | 1829                    | 79.140       | 8.1           | 1600          | 5000                       | 2.54mm at<br>5.55mm From<br>End     | 3.97mm at<br>15.05mm From<br>End    |
|             | <i>1.500</i>           | <i>0.018</i>                  | <i>72.008</i>           |              |               | <i>62.992</i> |                            |                                     |                                     |
| # BSSR21    | 50.80                  | 0.31                          | 1219                    | 67.670       | 6.9           | 1040          | 5000                       | 2.54mm at<br>5.55mm From<br>End     | 3.97mm at<br>15.05mm From<br>End    |
|             | <i>2.000</i>           | <i>0.012</i>                  | <i>47.992</i>           |              |               | <i>40.945</i> |                            |                                     |                                     |
| # BSSR47    | 50.80                  | 0.31                          | 1219                    | 45.110       | 4.6           | 1020          | 15000                      | 2.54mm at<br>5.55mm From<br>End     | 3.97mm at<br>15.05mm From<br>End    |
|             | <i>2.000</i>           | <i>0.012</i>                  | <i>47.992</i>           |              |               | <i>40.157</i> |                            |                                     |                                     |
| # BSSR23    | 50.80                  | 0.41                          | 1626                    | 93.650       | 9.6           | 1400          | 5000                       | 2.54mm at<br>5.55mm From<br>End     | 3.97mm at<br>15.05mm From<br>End    |
|             | <i>2.000</i>           | <i>0.016</i>                  | <i>64.016</i>           |              |               | <i>55.118</i> |                            |                                     |                                     |

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