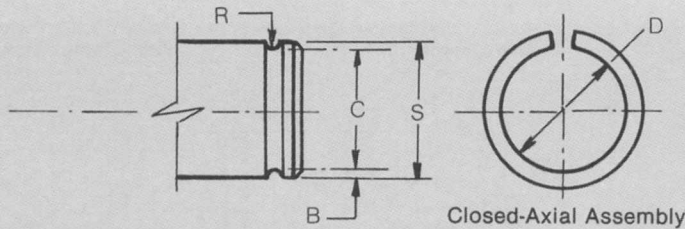
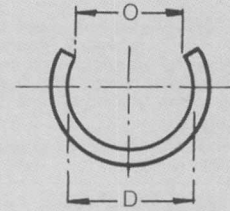


# Round Section External Retaining Rings for Shaft Applications



Closed-Axial Assembly



Open-Radial Assembly

Material Steel SAE 1060 to 1095 Hardness R/C46-53

| S<br>Shaft Diameter |              | Series<br>No.<br>1 = Light<br>2 = Heavy | Groove Dimensions |                  |                 |                                            | Ring Dimensions |                  |                       | Gap<br>O<br>Max. | Part No.       |              |            |
|---------------------|--------------|-----------------------------------------|-------------------|------------------|-----------------|--------------------------------------------|-----------------|------------------|-----------------------|------------------|----------------|--------------|------------|
| Inches              | MM<br>Equiv. |                                         | Diameter          |                  | Depth B<br>Nom. | Radius<br>R<br><sup>+ .002</sup><br>- .000 | Diameter        |                  | Sec. Dia.<br>X ± .002 |                  | Closed<br>Type | Open<br>Type |            |
|                     |              |                                         | C                 | Tol.             |                 |                                            | D               | Tol.             |                       |                  |                |              |            |
| .250                | 6.35         | —<br>2                                  | —<br>.234         | + .003<br>- .000 | —<br>.008       | —<br>.016                                  | —<br>.228       | + .000<br>- .020 | —<br>.029             | —<br>.205        | —<br>105       | —<br>205     |            |
| .312                | 7.92         | —<br>2                                  | —<br>.290         |                  | —<br>.011       | —<br>.019                                  | —<br>.284       |                  | —<br>.035             | —<br>.255        | —<br>107       | —<br>207     |            |
| .375                | 9.53         | 1<br>2                                  | .357<br>.349      |                  | .009<br>.013    | .016<br>.023                               | .351<br>.343    |                  | .029<br>.043          | .325<br>.305     | 108<br>109     | 208<br>209   |            |
| .437                | 11.10        | 1<br>2                                  | .415<br>.405      |                  | .011<br>.016    | .019<br>.027                               | .409<br>.399    |                  | .035<br>.051          | .365<br>.355     | 110<br>111     | 210<br>211   |            |
| .500                | 12.70        | 1<br>2                                  | .474<br>.464      |                  | .013<br>.018    | .023<br>.031                               | .468<br>.458    |                  | .043<br>.059          | .415<br>.405     | 112<br>113     | 212<br>213   |            |
| .562                | 14.27        | 1<br>2                                  | .534<br>.524      |                  | .014<br>.019    | .024<br>.031                               | .528<br>.518    |                  | .045<br>.059          | .470<br>.460     | 114<br>115     | 214<br>215   |            |
| .625                | 15.88        | 1<br>2                                  | .593<br>.581      |                  | .016<br>.022    | .027<br>.037                               | .587<br>.575    | .051<br>.071     | .520<br>.510          | 116<br>117       | 216<br>217     |              |            |
| .687                | 17.45        | 1<br>2                                  | .655<br>.643      |                  | .016<br>.022    | .027<br>.037                               | .649<br>.637    | .051<br>.071     | .575<br>.565          | 118<br>119       | 218<br>219     |              |            |
| .750                | 19.05        | 1<br>2                                  | .714<br>.698      |                  | ± .003          | .018<br>.026                               | .031<br>.044    | .706<br>.690     | + .000<br>- .035      | .059<br>.085     | .625<br>.610   | 120<br>121   | 220<br>221 |
| .812                | 20.62        | 1<br>2                                  | .776<br>.760      |                  |                 | .018<br>.026                               | .031<br>.044    | .768<br>.752     |                       | .059<br>.085     | .680<br>.665   | 122<br>123   | 222<br>223 |
| .875                | 22.23        | 1<br>2                                  | .831<br>.813      |                  |                 | .022<br>.031                               | .037<br>.051    | .823<br>.805     |                       | .071<br>.100     | .730<br>.710   | 124<br>125   | 224<br>225 |
| .937                | 23.80        | 1<br>2                                  | .893<br>.875      |                  |                 | .022<br>.031                               | .037<br>.051    | .885<br>.867     |                       | .071<br>.100     | .780<br>.765   | 126<br>127   | 226<br>227 |
| 1.000               | 25.40        | 1<br>2                                  | .948<br>.926      |                  |                 | .026<br>.037                               | .044<br>.060    | .938<br>.916     |                       | .085<br>.118     | .830<br>.810   | 128<br>129   | 228<br>229 |
| 1.062               | 26.97        | 1<br>2                                  | 1.010<br>.988     |                  |                 | .026<br>.037                               | .044<br>.060    | 1.000<br>.979    |                       | .085<br>.118     | .885<br>.865   | 130<br>131   | 230<br>231 |
| 1.125               | 28.58        | 1<br>2                                  | 1.063<br>1.045    |                  |                 | .031<br>.040                               | .051<br>.066    | 1.051<br>1.034   |                       | .100<br>.130     | .930<br>.915   | 132<br>133   | 232<br>233 |
| 1.187               | 30.15        | 1<br>2                                  | 1.125<br>1.107    |                  |                 | .031<br>.040                               | .051<br>.066    | 1.114<br>1.096   |                       | .100<br>.130     | .985<br>.970   | 134<br>135   | 234<br>235 |
| 1.250               | 31.75        | 1<br>2                                  | 1.176<br>1.162    | .037<br>.044     |                 | .060<br>.071                               | 1.164<br>1.150  | .118<br>.140     |                       | 1.030<br>1.015   | 136<br>137     | 236<br>237   |            |
| 1.312               | 33.32        | 1<br>2                                  | 1.238<br>1.224    | .037<br>.044     |                 | .060<br>.071                               | 1.226<br>1.212  | .118<br>.140     |                       | 1.085<br>1.070   | 138<br>139     | 238<br>239   |            |
| 1.375               | 34.93        | 1<br>2                                  | 1.295<br>1.277    | .040<br>.049     |                 | .066<br>.079                               | 1.281<br>1.263  | .130<br>.156     |                       | 1.130<br>1.120   | 140<br>141     | 240<br>241   |            |
| 1.437               | 36.50        | 1<br>2                                  | 1.357<br>1.339    | .040<br>.049     |                 | .066<br>.079                               | 1.344<br>1.326  | .130<br>.156     |                       | 1.185<br>1.170   | 142<br>143     | 242<br>243   |            |
| 1.500               | 38.10        | 1<br>2                                  | 1.412<br>1.392    | .044<br>.054     |                 | .071<br>.087                               | 1.398<br>1.378  | .140<br>.172     |                       | 1.235<br>1.215   | 144<br>145     | 244<br>245   |            |
| 1.625               | 41.28        | 1<br>2                                  | 1.537<br>1.517    | .044<br>.054     |                 | .071<br>.087                               | 1.522<br>1.502  | .140<br>.172     |                       | 1.345<br>1.325   | 146<br>147     | 246<br>247   |            |
| 1.750               | 44.45        | 1<br>—                                  | 1.642<br>—        | .054<br>—        |                 | .087<br>—                                  | 1.626<br>—      | .172<br>—        |                       | 1.435<br>—       | 148<br>—       | 248<br>—     |            |