# SQUARE SECTION WIRE RINGS

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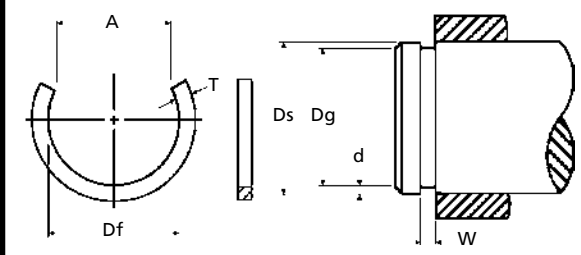
## EXTERNAL (RADIAL)

**MANUFACTURER CROSS-REFERENCE**

INDEX PAGE 236.

| | | | |
|---|---|---|---|
| Anderton | A0600 | Eaton | 400 Series |
| Arcon National | XSO | | |

**OPEN STYLE**




| XSO | SHAFT | | RING | | | GROOVE | | | WEIGHT | MATERIAL |
|---|---|---|---|---|---|---|---|---|---|---|
| | Decimal (Ds) | Fraction (Ds) | Free Inside Dia. (Df) | Wire Cross Section (T) | Gap (A) | Diameter (Dg) | Depth (d) | Width (W) | Lbs. per 100 Pieces | Spring Steel |
| XSO-211 | .125 | 1/8 | .114 | .020 | .101 | .115 | .005 | .024 | 0.0030 | |
| -2125 | .156 | 5/32 | .145 | .020 | .128 | .146 | .005 | .024 | 0.0040 | |
| -212 | .188 | 3/16 | .175 | .020 | .154 | .178 | .005 | .024 | 0.0050 | |
| -213 | | | .173 | .025 | .153 | .176 | .006 | .029 | 0.0070 | |
| -2135 | .219 | 7/32 | .203 | .025 | .179 | .207 | .006 | .029 | 0.0080 | |
| -214 | .250 | 1/4 | .236 | .025 | .208 | .238 | .006 | .030 | 0.0090 | |
| -215 | | | .232 | .031 | .205 | .234 | .008 | .036 | 0.0140 | |
| -2155 | .281 | 9/32 | .261 | .031 | .230 | .265 | .008 | .036 | 0.0160 | |
| -216 | .312 | 5/16 | .293 | .031 | .258 | .296 | .008 | .036 | 0.0180 | |
| -217 | | | .289 | .039 | .255 | .292 | .010 | .045 | 0.0290 | |
| -218 | .375 | 3/8 | .353 | .035 | .311 | .357 | .009 | .041 | 0.0280 | |
| -219 | | | .347 | .046 | .305 | .351 | .012 | .052 | 0.0490 | |
| -220 | .438 | 7/16 | .413 | .039 | .364 | .417 | .010 | .045 | 0.0330 | |
| -221 | | | .405 | .055 | .357 | .409 | .014 | .062 | 0.0810 | |
| -222 | .500 | 1/2 | .471 | .046 | .414 | .476 | .012 | .052 | 0.0640 | |
| -223 | | | .463 | .062 | .408 | .468 | .016 | .069 | 0.1180 | |
| -224 | .562 | 9/16 | .525 | .062 | .463 | .530 | .016 | .069 | 0.1310 | |
| -225 | | | .521 | .071 | .460 | .526 | .018 | .078 | 0.1730 | |
| -226 | .625 | 5/8 | .591 | .055 | .521 | .597 | .014 | .062 | 0.1140 | |
| -227 | | | .579 | .078 | .511 | .585 | .020 | .085 | 0.2320 | |
| -228 | .688 | 11/16 | .653 | .055 | .576 | .659 | .014 | .062 | 0.1240 | |
| -229 | | | .641 | .078 | .565 | .647 | .020 | .085 | 0.2540 | |
| -230 | .750 | 3/4 | .712 | .062 | .628 | .718 | .016 | .069 | 0.1770 | |
| -231 | | | .697 | .093 | .615 | .704 | .023 | .100 | 0.3960 | |
| -232 | .812 | 13/16 | .773 | .062 | .682 | .780 | .016 | .069 | 0.1860 | |
| -233 | | | .759 | .093 | .669 | .766 | .023 | .100 | 0.4280 | |
| -234 | .875 | 7/8 | .831 | .071 | .732 | .839 | .018 | .078 | 0.2640 | |
| -235 | | | .813 | .109 | .717 | .821 | .027 | .117 | 0.6360 | |
| -236 | .938 | 15/16 | .893 | .071 | .787 | .901 | .018 | .078 | 0.2820 | |
| XSO-237 | | | .875 | .109 | .771 | .883 | .027 | .117 | 0.6790 | |

Ring: +.000/-.020 (Df); +/-.002 (T); +.000/-6% (A). +.000/-.025 (Df); +.000/-5% (A). +.000/-.035 (Df).
Groove: +.003/-.000 (Dg); +/-.002 (W). +/-.003 (Dg).

**XSO**

### DESCRIPTION

Low clearance wire formed ring with limited range. Open gap style allows radial installation. Difficult to remove. Parts are sized for external shaft applications.

**RADIAL ASSEMBLY**

### HOW TO IDENTIFY

1. Verify square cross section and open gap style.
2. Measure the shaft diameter (Ds).
3. Determine the wire cross section (T).
4. Find the part in the chart above.

### GENERAL USE



COMMON

**INSTALLATION TOOLS AVAILABLE AS A SPECIAL ORDER.**




**GROOVE INTERCHANGE**
*USE ANY OF THESE PARTS IN THE SAME SIZED GROOVE.*

XSO ⟷ XSC (Page 82)

*PERFORMANCE RESULTS VARY. YOUR RING SELECTION SHOULD BE MADE BASED ON INDIVIDUAL APPLICATION.*

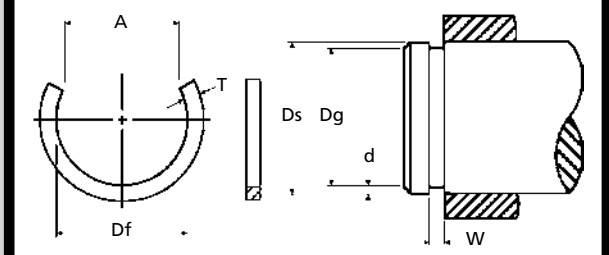
***XSO** CONTINUED NEXT PAGE.*

***MOST SIZES AVAILABLE IMMEDIATELY • $2 LINE REQUESTED • CALL PLANT FOR QUANTITY DISCOUNTS***



All manufacturer names and numbers are for identification purposes only. In no way are we implying that our parts were made by the manufacturers listed above.
Prices, materials, tolerances, and grades subject to change without notice.
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**OPEN STYLE**




# EXTERNAL (RADIAL)

**MANUFACTURER CROSS-REFERENCE**

INDEX PAGE 236.

| | | | |
|---|---|---|---|
| Anderton | A0600 | Eaton | 400 Series |
| Arcon National | XSO | | |



## XSO

| | SHAFT | | RING | | | | | GROOVE | | | | | WEIGHT | MATERIAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Decimal (Ds) | Fraction (Ds) | Free Inside Dia. (Df) | | Wire Cross Section (T) | | Gap (A) | Diameter (Dg) | | Depth (d) | Width (W) | | Lbs. per 100 Pieces | Spring Steel |
| XSO-238 | 1.000 | 1 | .950 | +.000/-.035 | .078 | +/-.002 | .838 | .960 | +/-.003 | .020 | .085 | +/-.002 | 0.3630 | |
| -239 | | | .929 | | .125 | | .819 | .938 | | .031 | .133 | | 0.9550 | |
| -240 | 1.063 | 1-1/16 | 1.012 | | .078 | | .893 | 1.022 | | .020 | .085 | | 0.3850 | |
| -241 | | | .990 | | .125 | | .873 | 1.000 | | .031 | .133 | | 1.0100 | |
| -242 | 1.125 | 1-1/8 | 1.068 | | .093 | | .940 | 1.079 | | .023 | .100 | | 0.5840 | |
| -243 | | | 1.044 | | .140 | | .921 | 1.055 | | .035 | .148 | | 1.3470 | |
| -244 | 1.188 | 1-3/16 | 1.130 | | .093 | | .997 | 1.141 | | .023 | .100 | | 0.6140 | |
| -245 | | | 1.106 | | .140 | | .975 | 1.117 | | .035 | .148 | | 1.4180 | |
| -246 | 1.250 | 1-1/4 | 1.184 | +.000/-.046 | .109 | +/-.003 | 1.044 | 1.196 | | .027 | .117 | | 0.8920 | |
| -247 | | | 1.160 | | .156 | | 1.023 | 1.172 | | .039 | .164 | | 1.8600 | |
| -248 | 1.312 | 1-5/16 | 1.246 | | .109 | | 1.099 | 1.258 | | .027 | .117 | | 0.9370 | |
| -249 | | | 1.222 | | .156 | | 1.078 | 1.234 | | .039 | .164 | | 1.8810 | |
| -250 | 1.375 | 1-3/8 | 1.304 | | .120 | | 1.150 | 1.315 | | .030 | .128 | | 1.2180 | |
| -251 | | | 1.276 | | .172 | | 1.125 | 1.289 | | .043 | .180 | | 2.4870 | |
| -252 | 1.438 | 1-7/16 | 1.364 | | .120 | | 1.203 | 1.377 | | .030 | .128 | | 1.2400 | |
| -253 | | | 1.338 | | .172 | | 1.180 | 1.351 | | .043 | .180 | | 2.5930 | |
| -254 | 1.500 | 1-1/2 | 1.424 | +.000/-.062 | .125 | | 1.256 | 1.438 | | .031 | .133 | | 1.4040 | |
| -255 | | | 1.392 | | .187 | | 1.228 | 1.406 | | .047 | .195 | | 3.2050 | |
| -256 | 1.625 | 1-5/8 | 1.547 | | .125 | | 1.364 | 1.563 | | .031 | .133 | | 1.5180 | |
| -257 | | | 1.516 | | .187 | | 1.337 | 1.531 | | .047 | .195 | | 3.4520 | |
| -258 | 1.750 | 1-3/4 | 1.657 | | .156 | | 1.461 | 1.672 | | .039 | .164 | | 2.5630 | |
| -259 | | | 1.624 | | .218 | | 1.432 | 1.640 | | .055 | .227 | | 5.0830 | |
| -260 | 2.000 | 2 | 1.887 | +.000/-.078 | .187 | | 1.664 | 1.906 | +/-.004 | .047 | .195 | | 4.2120 | |
| -261 | | | 1.855 | | .250 | | 1.636 | 1.874 | | .063 | .260 | | 7.6410 | |
| -262 | 2.250 | 2-1/4 | 2.134 | | .187 | | 1.882 | 2.156 | | .047 | .195 | | 4.7120 | |
| -263 | | | 2.103 | | .250 | | 1.855 | 2.124 | | .063 | .260 | | 8.5400 | |
| -264 | 2.500 | 2-1/2 | 2.350 | | .250 | | 2.073 | 2.374 | | .063 | .265 | | 9.4310 | |
| -265 | | | 2.321 | | .312 | | 2.047 | 2.344 | | .078 | .327 | | 14.9400 | |
| -266 | 3.000 | 3 | 2.845 | | .250 | | 2.510 | 2.875 | | .063 | .265 | | 11.2300 | |
| XSO-267 | | | 2.816 | | .312 | | 2.483 | 2.844 | | .078 | .327 | | 17.7400 | |

+.000/-4%

## XSO

**RADIAL ASSEMBLY**

**DESCRIPTION**

Low clearance wire formed ring with limited range. Open gap style allows radial installation. Difficult to remove. Parts are sized for external shaft applications.

**HOW TO IDENTIFY**

1. Verify square cross section and open gap style.
2. Measure the shaft diameter (Ds).
3. Determine the wire cross section (T).
4. Find the part in the chart above.

**GENERAL USE**



COMMON

**GROOVE INTERCHANGE**
*USE ANY OF THESE PARTS IN THE SAME SIZED GROOVE.*

XSO ⟷ XSC (Page 82)

**AFTER INSTALLATION RING WILL NOT NECESSARILY MAINTAIN CONTACT IN GROOVE DUE TO UNEVEN STRESSES.**

*PERFORMANCE RESULTS VARY. YOUR RING SELECTION SHOULD BE MADE BASED ON INDIVIDUAL APPLICATION.*

***MOST SIZES AVAILABLE IMMEDIATELY • $2 LINE REQUESTED • CALL PLANT FOR QUANTITY DISCOUNTS***

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