SQUARE SECTION WIRE RINGS

785·392·3017 FAX 785.392.2845

REVISED 09-04
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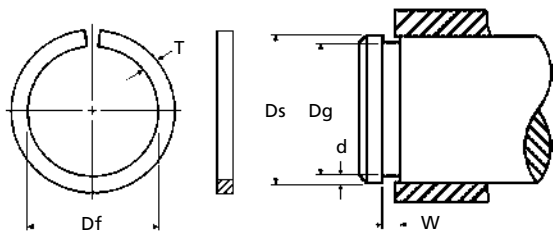
CLOSED STYLE



EXTERNAL (AXIAL)

MANUFACTURER CROSS-REFERENCE

INDEX PAGE 236.

Anderton	A0700	Eaton	300 Series
Arcon National	XSC		

XSC	SHAFT Decimal (Ds)	SHAFT Fraction (Ds)	RING Free Inside Dia. (Df)		RING Wire Cross Section (T)		GROOVE Diameter (Dg)		GROOVE Depth (d)	GROOVE Width (W)		WEIGHT Lbs. per 100 Pieces	MATERIAL Spring Steel
XSC-111	.125	1/8	.114	+.000/-.020	.020	+/-.002	.115	+.003/-.000	.005	.024	+/-.002	0.0050	
-1125	.156	5/32	.145		.020		.146		.005	.024		0.0060	
-112	.188	3/16	.175		.020		.178		.005	.024		0.0070	
-113			.173		.025		.176		.006	.029		0.0110	
-1135	.219	7/32	.203		.025		.207		.006	.029		0.0120	
-114	.250	1/4	.236		.025		.238		.006	.030		0.0140	
-115			.232		.031		.234		.008	.036		0.0220	
-1155	.281	9/32	.261		.031		.265		.008	.036		0.0240	
-116	.312	5/16	.293		.031		.296		.008	.036		0.0280	
-117			.289		.039		.292		.010	.045		0.0440	
-118	.375	3/8	.353		.035		.357		.009	.041		0.0420	
-119			.347		.046		.351		.012	.052		0.0740	
-120	.438	7/16	.413		.039		.417		.010	.045		0.0510	
-121			.405		.055		.409		.014	.062		0.1230	
-122	.500	1/2	.471	+.000/-.025	.046		.476		.012	.052		0.0970	
-123			.463		.062		.468		.016	.069		0.1790	
-124	.562	9/16	.525		.062		.530		.016	.069		0.2000	
-125			.521		.071		.526		.018	.078		0.2640	
-126	.625	5/8	.591		.055		.597		.014	.062		0.1730	
-127			.579		.078		.585		.020	.085		0.3540	
-128	.688	11/16	.653		.055		.659		.014	.062		0.1890	
-129			.641		.078		.647		.020	.085		0.3870	
-130	.750	3/4	.712		.062		.718	+/-.003	.016	.069		0.2630	
-131			.697		.093		.704		.023	.100		0.6040	
-132	.812	13/16	.773	+.000/-.035	.062		.780		.016	.069		0.2840	
-133			.759		.093		.766		.023	.100		0.6520	
-134	.875	7/8	.831		.071		.839		.018	.078		0.4020	
-135			.813		.109		.821		.027	.117		0.9690	
-136	.938	15/16	.893		.071		.901		.018	.078		0.4300	
XSC-137			.875		.109		.883		.027	.117		1.0340	

XSC

DESCRIPTION

Low clearance wire formed ring with limited range. Closed gap style requires axial assembly, with more contact and thrust load ratings versus open style.

AXIAL ASSEMBLY

HOW TO IDENTIFY

1. Verify square cross section and closed 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.

XSC ⟷ XSO (Page 80)

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

***XSC** 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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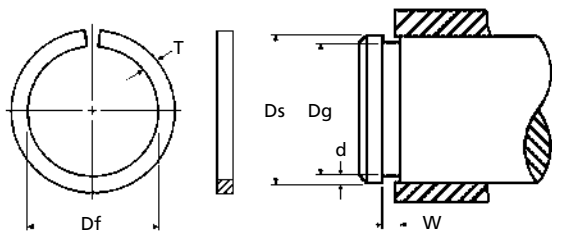
CLOSED STYLE



EXTERNAL (AXIAL)

MANUFACTURER CROSS-REFERENCE

INDEX PAGE 236.

Anderton	A0700	Eaton	300 Series
Arcon National	XSC		



XSC

SHAFT		RING				GROOVE				WEIGHT	MATERIAL
Decimal (Ds)	Fraction (Ds)	Free Inside Dia. (Df)		Wire Cross Section (T)		Diameter (Dg)		Depth (d)	Width (W)	Lbs. per 100 Pieces	Spring Steel
XSC-138	1.000	1	.950	+.000/-.035	.078	+/-.002	.960	+/-.003	.020	.085	+/-.002	0.5530	
-139			.929		.125		.938		.031	.133		1.4550	
-140	1.063	1-1/16	1.012		.078		1.022		.020	.085		0.5870	
-141			.990		.125		1.000		.031	.133		1.5410	
-142	1.125	1-1/8	1.068		.093		1.079		.023	.100		0.8880	
-143			1.044		.140		1.055		.035	.148		2.0530	
-144	1.188	1-3/16	1.130		.093		1.141		.023	.100		0.9360	
-145			1.106		.140		1.117		.035	.148		2.1610	
-146	1.250	1-1/4	1.184	+.000/-.046	.109	+/-.003	1.196		.027	.117		1.3590	
-147			1.160		.156		1.172		.039	.164		2.8340	
-148	1.312	1-5/16	1.246		.109		1.258		.027	.117		1.4280	
-149			1.222		.156		1.234		.039	.164		2.9670	
-150	1.375	1-3/8	1.304		.120		1.315		.030	.128		1.8560	
-151			1.276		.172		1.289		.043	.180		3.7890	
-152	1.438	1-7/16	1.364		.120		1.377		.030	.128		1.8900	
-153			1.338		.172		1.351		.043	.180		3.9510	
-154	1.500	1-1/2	1.424	+.000/-.062	.125		1.438		.031	.133		2.1400	
-155			1.392		.187		1.406		.047	.195		4.8850	
-156	1.625	1-5/8	1.547		.125		1.563		.031	.133		2.3120	
-157			1.516		.187		1.531		.047	.195		5.2680	
-158	1.750	1-3/4	1.657		.156		1.672		.039	.164		3.9040	
-159			1.624		.218		1.640		.055	.227		7.7440	
-160	2.000	2	1.887	+.000/-.078	.187		1.906	+/-.004	.047	.195		6.4160	
-161			1.855		.250		1.874		.063	.260		11.6400	
-162	2.250	2-1/4	2.134		.187		2.156		.047	.195		7.1810	
-163			2.103		.250		2.124		.063	.260		13.0100	
-164	2.500	2-1/2	2.350		.250		2.374		.063	.265		14.3800	
-165			2.321		.312		2.344		.078	.327		22.7600	
-166	3.000	3	2.845		.250		2.875		.063	.265		17.1100	
XSC-167			2.816		.312		2.844		.078	.327		27.0300	

XSC

AXIAL ASSEMBLY

DESCRIPTION

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GENERAL USE



COMMON

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

XSC ⟷ XSO (Page 80)

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.

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