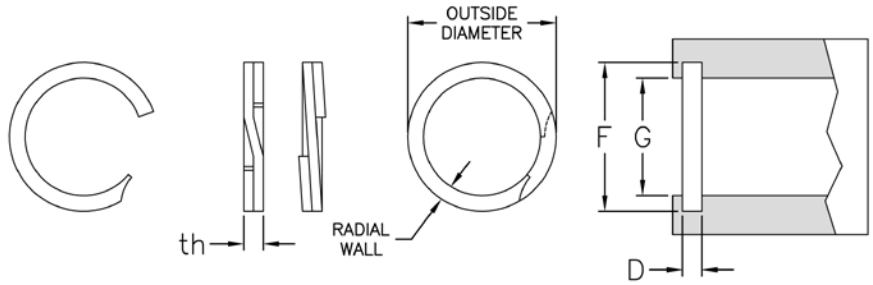


# SPIRAL INTERNAL RETAINER RINGS

SPIRAL RETAINER CROSS REFERENCE	
Prefix	Ramsey Spirolox Prefix
VH-	UR-
WH-	RR-
WHM-	RRN-
WHT-	RRT-



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	F THROAT DIAMETER	G HOUSING DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	RADIAL WALL	List Price
WHM-50	1/2	17/32	.035	.039 <sup>+003</sup> / <sub>+000</sub>	.500	.530 ±.002	.448	.538 <sup>+013</sup> / <sub>+000</sub>	.035 ±.002	.045 ±.004	\$0.85
WH-62	5/8	21/32	.025	.030 <sup>+003</sup> / <sub>+000</sub>	.625	.651 ±.002	.568	.658 <sup>+013</sup> / <sub>+000</sub>	.025 ±.002	.045 ±.004	0.81
WHM-62	5/8	43/64	.035	.039 <sup>+003</sup> / <sub>+000</sub>	.625	.665 ±.002	.565	.675 <sup>+013</sup> / <sub>+000</sub>	.035 ±.002	.055 ±.004	0.90
WHM-68	11/16	47/64	.035	.039 <sup>+003</sup> / <sub>+000</sub>	.688	.732 ±.002	.613	.743 <sup>+013</sup> / <sub>+000</sub>	.035 ±.002	.065 ±.004	1.26
WHT-68	11/16	23/32	.035	.039 <sup>+003</sup> / <sub>+000</sub>	.688	.724 ±.003	.620	.730 <sup>+000</sup> / <sub>-013</sub>	.035 ±.002	.055 ±.004	0.77
WHM-75	3/4	51/64	.035	.039 <sup>+003</sup> / <sub>+000</sub>	.750	.796 ±.002	.677	.807 <sup>+013</sup> / <sub>+000</sub>	.035 ±.002	.065 ±.004	1.20
WH-78	25/32	13/16	.031	.036 <sup>+003</sup> / <sub>+000</sub>	.781	.812 ±.003	.691	.821 <sup>+013</sup> / <sub>+000</sub>	.031 ±.002	.065 ±.004	0.85
WH-87	7/8	29/32	.031	.036 <sup>+003</sup> / <sub>+000</sub>	.875	.912 ±.003	.792	.922 <sup>+013</sup> / <sub>+000</sub>	.031 ±.002	.065 ±.004	0.86
WHM-87	7/8	15/16	.042	.046 <sup>+003</sup> / <sub>+000</sub>	.875	.931 ±.003	.773	.943 <sup>+013</sup> / <sub>+000</sub>	.042 ±.002	.085 ±.004	1.20
WH-100	1	1-3/64	.037	.042 <sup>+003</sup> / <sub>+000</sub>	1.000	1.043 ±.003	.904	1.054 <sup>+013</sup> / <sub>+000</sub>	.037 ±.002	.075 ±.004	0.89
WHM-100	1	1-1/16	.042	.046 <sup>+003</sup> / <sub>+000</sub>	1.000	1.066 ±.003	.910	1.080 <sup>+013</sup> / <sub>+000</sub>	.042 ±.002	.085 ±.004	2.14
WH-112	1-1/8	1-11/64	.037	.042 <sup>+003</sup> / <sub>+000</sub>	1.125	1.167 ±.004	1.030	1.180 <sup>+015</sup> / <sub>+000</sub>	.037 ±.002	.075 ±.004	0.89
WHM-112	1-1/8	1-13/64	.05	.056 <sup>+004</sup> / <sub>+000</sub>	1.125	1.197 ±.004	.999	1.205 <sup>+013</sup> / <sub>+000</sub>	.050 ±.002	.103 ±.004	2.27
WHT-118	1-3/16	1-1/4	.05	.056 <sup>+004</sup> / <sub>+000</sub>	1.188	1.250 ±.004	1.084	1.260 <sup>+000</sup> / <sub>-015</sub>	.050 ±.002	.088 ±.004	1.11
WH-125	1-1/4	1-19/64	.043	.048 <sup>+004</sup> / <sub>+000</sub>	1.250	1.298 ±.004	1.142	1.312 <sup>+015</sup> / <sub>+000</sub>	.043 ±.002	.085 ±.004	0.95
WHM-125	1-1/4	1-21/64	.05	.056 <sup>+004</sup> / <sub>+000</sub>	1.250	1.330 ±.004	1.133	1.339 <sup>+013</sup> / <sub>+000</sub>	.050 ±.002	.103 ±.004	2.44
WH-128	1-9/32	1-21/64	.043	.048 <sup>+004</sup> / <sub>+000</sub>	1.281	1.329 ±.004	1.172	1.342 <sup>+015</sup> / <sub>+000</sub>	.043 ±.002	.085 ±.004	0.98
WHT-131	1-5/16	1-25/64	.05	.056 <sup>+004</sup> / <sub>+000</sub>	1.312	1.385 ±.004	1.209	1.395 <sup>+000</sup> / <sub>-015</sub>	.050 ±.002	.093 ±.004	1.25
VH-137	1-3/8	1-27/64	.025	.031 <sup>+002</sup> / <sub>+000</sub>	1.375	1.419 ±.004	1.257	1.433 <sup>+015</sup> / <sub>+000</sub>	.025 ±.0015	.088 ±.004	0.95
WH-137	1-3/8	1-27/64	.043	.048 <sup>+004</sup> / <sub>+000</sub>	1.375	1.427 ±.004	1.252	1.442 <sup>+015</sup> / <sub>+000</sub>	.043 ±.002	.095 ±.004	1.42
WHM-137	1-3/8	1-15/32	.05	.056 <sup>+004</sup> / <sub>+000</sub>	1.375	1.461 ±.004	1.235	1.471 <sup>+013</sup> / <sub>+000</sub>	.050 ±.002	.118 ±.004	2.44
VH-150	1-1/2	1-35/64	.025	.031 <sup>+002</sup> / <sub>+000</sub>	1.500	1.544 ±.004	1.383	1.559 <sup>+015</sup> / <sub>+000</sub>	.025 ±.0015	.088 ±.004	1.17
WH-150	1-1/2	1-35/64	.043	.048 <sup>+004</sup> / <sub>+000</sub>	1.500	1.552 ±.004	1.377	1.567 <sup>+015</sup> / <sub>+000</sub>	.043 ±.002	.095 ±.004	1.66
WHM-150	1-1/2	1-19/32	.05	.056 <sup>+004</sup> / <sub>+000</sub>	1.500	1.594 ±.004	1.369	1.605 <sup>+013</sup> / <sub>+000</sub>	.050 ±.002	.118 ±.004	2.57
WHT-150	1-1/2	1-37/64	.05	.056 <sup>+004</sup> / <sub>+000</sub>	1.500	1.580 ±.004	1.375	1.591 <sup>+000</sup> / <sub>-015</sub>	.050 ±.002	.108 ±.004	1.62

## SPIRAL INTERNAL RETAINER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	F THROAT DIAMETER	G HOUSING DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	RADIAL WALL	List Price
WH-156	1-9/16	1-39/64	.049	.056 <sup>+0.04</sup> / <sub>+0.00</sub>	1.562	1.617 ±.005	1.418	1.634 <sup>+0.020</sup> / <sub>+0.000</sub>	.049 ±.003	.108 ±.004	1.89
WHM-156	1-9/16	1-21/32	.062	.068 <sup>+0.04</sup> / <sub>+0.00</sub>	1.562	1.658 ±.005	1.419	1.675 <sup>+0.020</sup> / <sub>+0.000</sub>	.062 ±.003	.128 ±.004	2.94
VH-162	1-5/8	1-11/16	.031	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	1.625	1.682 ±.005	1.465	1.701 <sup>+0.020</sup> / <sub>+0.000</sub>	.031 ±.002	.118 ±.004	1.17
WH-162	1-5/8	1-11/16	.049	.056 <sup>+0.04</sup> / <sub>+0.00</sub>	1.625	1.684 ±.005	1.485	1.701 <sup>+0.020</sup> / <sub>+0.000</sub>	.049 ±.003	.108 ±.004	4.20
WHT-162	1-5/8	1-23/32	.062	.068 <sup>+0.04</sup> / <sub>+0.00</sub>	1.625	1.715 ±.005	1.501	1.727 <sup>+0.000</sup> / <sub>-.020</sub>	.062 ±.003	.113 ±.004	1.89
WH-175	1-3/4	1-13/16	.049	.056 <sup>+0.04</sup> / <sub>+0.00</sub>	1.750	1.813 ±.005	1.598	1.834 <sup>+0.020</sup> / <sub>+0.000</sub>	.049 ±.003	.118 ±.004	1.89
WHM-175	1-3/4	1-55/64	.062	.068 <sup>+0.04</sup> / <sub>+0.00</sub>	1.750	1.858 ±.005	1.620	1.876 <sup>+0.020</sup> / <sub>+0.000</sub>	.062 ±.003	.128 ±.004	5.41
WHT-175	1-3/4	1-27/32	.062	.068 <sup>+0.04</sup> / <sub>+0.00</sub>	1.750	1.845 ±.005	1.622	1.858 <sup>+0.000</sup> / <sub>-.020</sub>	.062 ±.003	.118 ±.004	2.42
VH-187	1-7/8	1-15/16	.031	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	1.875	1.932 ±.005	1.717	1.953 <sup>+0.020</sup> / <sub>+0.000</sub>	.031 ±.002	.118 ±.004	1.46
WH-187	1-7/8	1-15/16	.049	.056 <sup>+0.04</sup> / <sub>+0.00</sub>	1.875	1.942 ±.005	1.724	1.960 <sup>+0.020</sup> / <sub>+0.000</sub>	.049 ±.003	.118 ±.004	2.42
WHT-187	1-7/8	1-31/32	.062	.068 <sup>+0.04</sup> / <sub>+0.00</sub>	1.875	1.975 ±.005	1.733	1.989 <sup>+0.000</sup> / <sub>-.020</sub>	.062 ±.003	.128 ±.004	2.86
VH-200	2	2-1/16	.031	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	2.000	2.057 ±.005	1.843	2.079 <sup>+0.020</sup> / <sub>+0.000</sub>	.031 ±.002	.118 ±.004	1.56
WH-200	2	2-5/64	.049	.056 <sup>+0.04</sup> / <sub>+0.00</sub>	2.000	2.071 ±.005	1.835	2.091 <sup>+0.020</sup> / <sub>+0.000</sub>	.049 ±.003	.128 ±.004	2.76
WHM-200	2	2-1/8	.062	.068 <sup>+0.04</sup> / <sub>+0.00</sub>	2.000	2.122 ±.005	1.826	2.142 <sup>+0.020</sup> / <sub>+0.000</sub>	.062 ±.003	.158 ±.004	5.63
WHT-200	2	2-7/64	.062	.068 <sup>+0.04</sup> / <sub>+0.00</sub>	2.000	2.110 ±.005	1.849	2.125 <sup>+0.000</sup> / <sub>-.020</sub>	.062 ±.003	.138 ±.004	2.86
WH-204	2-3/64	2-1/8	.049	.056 <sup>+0.04</sup> / <sub>+0.00</sub>	2.047	2.118 ±.005	1.882	2.138 <sup>+0.020</sup> / <sub>+0.000</sub>	.049 ±.003	.128 ±.004	2.98
VH-206	2-1/16	2-9/64	.031	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	2.062	2.138 ±.006	1.846	2.162 <sup>+0.025</sup> / <sub>+0.000</sub>	.031 ±.002	.158 ±.004	2.28
WHM-206	2-1/16	2-3/16	.078	.086 <sup>+0.005</sup> / <sub>+0.000</sub>	2.062	2.186 ±.006	1.865	2.201 <sup>+0.025</sup> / <sub>+0.000</sub>	.078 ±.003	.168 ±.005	7.72
WHT-206	2-1/16	2-11/64	.078	.086 <sup>+0.005</sup> / <sub>+0.000</sub>	2.062	2.175 ±.006	1.908	2.190 <sup>+0.000</sup> / <sub>-.025</sub>	.078 ±.003	.141 ±.004	3.74
WHM-218	2-3/16	2-5/16	.078	.086 <sup>+0.005</sup> / <sub>+0.000</sub>	2.188	2.318 ±.006	1.998	2.334 <sup>+0.025</sup> / <sub>+0.000</sub>	.078 ±.003	.168 ±.005	7.72
VH-225	2-1/4	2-21/64	.031	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	2.250	2.326 ±.006	2.036	2.352 <sup>+0.025</sup> / <sub>+0.000</sub>	.031 ±.002	.158 ±.004	2.98
WHM-225	2-1/4	2-3/8	.078	.086 <sup>+0.005</sup> / <sub>+0.000</sub>	2.250	2.382 ±.006	2.063	2.399 <sup>+0.025</sup> / <sub>+0.000</sub>	.078 ±.003	.168 ±.005	7.75
WHT-225	2-1/4	2-3/8	.078	.086 <sup>+0.005</sup> / <sub>+0.000</sub>	2.250	2.370 ±.006	2.104	2.386 <sup>+0.000</sup> / <sub>-.025</sub>	.078 ±.003	.141 ±.004	3.74
VH-231	2-5/16	2-25/64	.031	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	2.312	2.388 ±.006	2.099	2.415 <sup>+0.025</sup> / <sub>+0.000</sub>	.031 ±.002	.158 ±.004	10.59
WH-231	2-5/16	2-25/64	.049	.056 <sup>+0.04</sup> / <sub>+0.00</sub>	2.312	2.390 ±.006	2.137	2.413 <sup>+0.025</sup> / <sub>+0.000</sub>	.049 ±.003	.138 ±.004	2.98
WH-237	2-3/8	2-29/64	.049	.056 <sup>+0.04</sup> / <sub>+0.00</sub>	2.375	2.453 ±.006	2.200	2.476 <sup>+0.025</sup> / <sub>+0.000</sub>	.049 ±.003	.138 ±.004	2.98
VH-243	2-7/16	2-33/64	.031	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	2.437	2.513 ±.006	2.225	2.541 <sup>+0.025</sup> / <sub>+0.000</sub>	.031 ±.002	.158 ±.004	3.58
WHT-244	2-7/16	2-9/16	.078	.086 <sup>+0.005</sup> / <sub>+0.000</sub>	2.440	2.570 ±.006	2.212	2.588 <sup>+0.000</sup> / <sub>-.025</sub>	.078 ±.003	.188 ±.005	7.92
VH-250	2-1/2	2-37/64	.031	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	2.500	2.576 ±.006	2.289	2.605 <sup>+0.025</sup> / <sub>+0.000</sub>	.031 ±.002	.158 ±.004	2.21
WH-250	2-1/2	2-37/64	.049	.056 <sup>+0.04</sup> / <sub>+0.00</sub>	2.500	2.582 ±.006	2.310	2.606 <sup>+0.025</sup> / <sub>+0.000</sub>	.049 ±.003	.148 ±.004	3.94

## SPIRAL INTERNAL RETAINER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	F THROAT DIAMETER	G HOUSING DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	RADIAL WALL	List Price
WHM-250	2-1/2	2-41/64	.078	.086 <sup>+0.05</sup> / <sub>+0.00</sub>	2.500	2.648 ±.006	2.267	2.667 <sup>+0.025</sup> / <sub>+0.00</sub>	.078 ±.003	.200 ±.005	8.63
WHT-250	2-1/2	2-41/64	.078	.086 <sup>+0.05</sup> / <sub>+0.00</sub>	2.500	2.635 ±.006	2.277	2.653 <sup>+0.000</sup> / <sub>-.025</sub>	.078 ±.003	.188 ±.005	4.97
WHT-253	2-17/32	2-43/64	.078	.086 <sup>+0.05</sup> / <sub>+0.00</sub>	2.531	2.668 ±.006	2.311	2.687 <sup>+0.000</sup> / <sub>-.025</sub>	.078 ±.003	.188 ±.005	4.97
WHM-256	2-9/16	2-23/32	.093	.103 <sup>+0.05</sup> / <sub>+0.00</sub>	2.562	2.714 ±.006	2.283	2.733 <sup>+0.030</sup> / <sub>+0.00</sub>	.093 ±.003	.225 ±.005	7.92
WHT-256	2-9/16	2-45/64	.093	.103 <sup>+0.05</sup> / <sub>+0.00</sub>	2.562	2.700 ±.006	2.344	2.720 <sup>+0.000</sup> / <sub>-.025</sub>	.093 ±.003	.188 ±.005	4.97
WHT-275	2-3/4	2-29/32	.093	.103 <sup>+0.05</sup> / <sub>+0.00</sub>	2.750	2.900 ±.006	2.545	2.921 <sup>+0.000</sup> / <sub>-.025</sub>	.093 ±.003	.188 ±.005	5.74
VH-281	2-13/16	2-57/64	.031	.039 <sup>+0.003</sup> / <sub>+0.00</sub>	2.812	2.888 ±.006	2.604	2.920 <sup>+0.025</sup> / <sub>+0.00</sub>	.031 ±.002	.158 ±.004	5.75
VH-281SS	2-13/16	2-57/64	.031	.039 <sup>+0.003</sup> / <sub>+0.00</sub>	2.812	2.888 ±.006	2.604	2.920 <sup>+0.025</sup> / <sub>+0.00</sub>	.031 ±.002	.158 ±.004	6.44
WH-283	2-53/64	2-59/64	.049	.056 <sup>+0.004</sup> / <sub>+0.00</sub>	2.834	2.928 ±.006	2.618	2.954 <sup>+0.025</sup> / <sub>+0.00</sub>	.049 ±.003	.168 ±.005	4.21
WHM-283	2-53/64	3	.093	.103 <sup>+0.05</sup> / <sub>+0.00</sub>	2.834	3.006 ±.006	2.577	3.027 <sup>+0.030</sup> / <sub>+0.00</sub>	.093 ±.003	.225 ±.005	10.61
WHT-283	2-53/64	2-63/64	.093	.103 <sup>+0.05</sup> / <sub>+0.00</sub>	2.834	2.987 ±.006	2.633	3.009 <sup>+0.025</sup> / <sub>+0.00</sub>	.093 ±.003	.188 ±.005	5.87
WH-287	2-7/8	2-31/32	.049	.056 <sup>+0.004</sup> / <sub>+0.00</sub>	2.875	2.969 ±.006	2.659	2.995 <sup>+0.025</sup> / <sub>+0.00</sub>	.049 ±.003	.168 ±.005	5.74
VH-300	3	3-5/64	.031	.039 <sup>+0.003</sup> / <sub>+0.00</sub>	3.000	3.076 ±.006	2.794	3.110 <sup>+0.025</sup> / <sub>+0.00</sub>	.031 ±.002	.158 ±.004	2.32
WH-300	3	3-3/32	.061	.068 <sup>+0.005</sup> / <sub>+0.00</sub>	3.000	3.096 ±.006	2.786	3.122 <sup>+0.025</sup> / <sub>+0.00</sub>	.061 ±.003	.168 ±.005	4.08
WHM-300	3	3-3/16	.093	.103 <sup>+0.05</sup> / <sub>+0.00</sub>	3.000	3.182 ±.006	2.754	3.204 <sup>+0.030</sup> / <sub>+0.00</sub>	.093 ±.003	.225 ±.005	11.24
WHT-300	3	3-11/64	.093	.103 <sup>+0.05</sup> / <sub>+0.00</sub>	3.000	3.165 ±.006	2.812	3.188 <sup>+0.025</sup> / <sub>+0.00</sub>	.093 ±.003	.188 ±.005	5.87
WHT-312	3-1/8	3-19/64	.111	.120 <sup>+0.005</sup> / <sub>+0.00</sub>	3.125	3.295 ±.006	2.818	3.318 <sup>+0.030</sup> / <sub>+0.00</sub>	.111 ±.003	.250 ±.005	8.68
WH-325	3-1/4	3-11/32	.061	.068 <sup>+0.005</sup> / <sub>+0.00</sub>	3.250	3.350 ±.006	3.023	3.379 <sup>+0.030</sup> / <sub>+0.00</sub>	.061 ±.003	.178 ±.005	6.64
WHT-325	3-1/4	3-27/64	.111	.120 <sup>+0.005</sup> / <sub>+0.00</sub>	3.250	3.426 ±.006	2.950	3.450 <sup>+0.030</sup> / <sub>+0.00</sub>	.111 ±.003	.250 ±.005	7.18
WHLA-368	3.329	3.665	.06	.068	3.500	3.665		3.684	.060	.168	17.05
WHL-371	3.331	3.705	.086	.091	3.500	3.705		3.725	.086	.187	9.19
WHL-378-HDC	3.491	3.755	.077	.086	3.625	3.755		3.780	.077	.132	42.89
WH-350	3-1/2	3-39/64	.061	.068 <sup>+0.005</sup> / <sub>+0.00</sub>	3.500	3.606 ±.006	3.260	3.636 <sup>+0.030</sup> / <sub>+0.00</sub>	.061 ±.003	.188 ±.005	4.30
WHM-350	3-1/2	3-45/64	.111	.120 <sup>+0.005</sup> / <sub>+0.00</sub>	3.500	3.710 ±.006	3.174	3.736 <sup>+0.035</sup> / <sub>+0.00</sub>	.111 ±.003	.281 ±.005	11.24
WHT-350	3-1/2	3-11/16	.111	.120 <sup>+0.005</sup> / <sub>+0.00</sub>	3.500	3.690 ±.006	3.216	3.716 <sup>+0.030</sup> / <sub>+0.00</sub>	.111 ±.003	.250 ±.005	11.20
WHL-392	3.535	3.909	.093	.103	3.750	3.909		3.929	.093	.187	23.52
WH-356	3-9/16	3-43/64	.061	.068 <sup>+0.005</sup> / <sub>+0.00</sub>	3.562	3.672 ±.006	3.307	3.703 <sup>+0.030</sup> / <sub>+0.00</sub>	.061 ±.003	.198 ±.005	5.42
WHL-424	3.846	4.22	.09	.098	4.125	4.220		4.249	.090	.187	18.16
WH-400	4	4-1/8	.061	.068 <sup>+0.005</sup> / <sub>+0.00</sub>	4.000	4.124 ±.006	3.721	4.157 <sup>+0.030</sup> / <sub>+0.00</sub>	.061 ±.003	.218 ±.005	5.98
WHM-400	4	4-15/64	.111	.120 <sup>+0.005</sup> / <sub>+0.00</sub>	4.000	4.240 ±.006	3.646	4.270 <sup>+0.035</sup> / <sub>+0.00</sub>	.111 ±.003	.312 ±.006	12.81
WHT-400	4	4-7/32	.111	.120 <sup>+0.005</sup> / <sub>+0.00</sub>	4.000	4.220 ±.006	3.748	4.248 <sup>+0.030</sup> / <sub>+0.00</sub>	.111 ±.003	.250 ±.005	10.58
WH-406	4-1/16	4-3/16	.061	.068 <sup>+0.005</sup> / <sub>+0.00</sub>	4.063	4.187 ±.006	3.786	4.222 <sup>+0.030</sup> / <sub>+0.00</sub>	.061 ±.003	.218 ±.005	7.64

## SPIRAL INTERNAL RETAINER RINGS

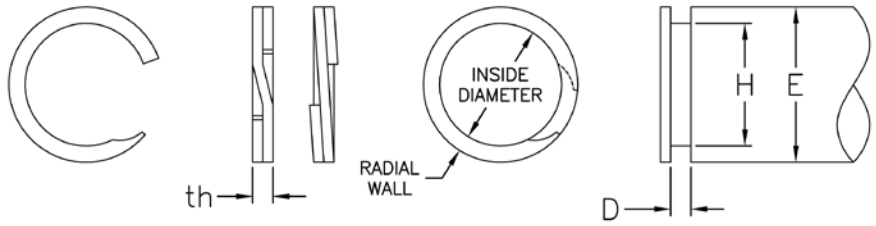
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	F THROAT DIAMETER	G HOUSING DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	RADIAL WALL	List Price
VH-412	4-1/8	4-15/64	.046	.052 <sup>+0.04</sup> / <sub>+0.00</sub>	4.125	4.235 ±.006	3.829	4.279 <sup>+0.035</sup> / <sub>+0.00</sub>	.046 ±.002	.225 ±.005	8.38
WHL-473	4.212	4.712	.111	.120	4.500	4.712		4.732	.111	.250	10.23
WHM-425	4-1/4	4-31/64	.111	.120 <sup>+0.005</sup> / <sub>+0.00</sub>	4.250	4.490 ±.006	3.896	4.520 <sup>+0.035</sup> / <sub>+0.00</sub>	.111 ±.003	.312 ±.006	18.61
WHL-472	4.326	4.7	.093	.098	4.500	4.700		4.721	.093	.187	10.23
WHM-433	4-21/64	4-9/16	.111	.120 <sup>+0.005</sup> / <sub>+0.00</sub>	4.330	4.570 ±.006	3.976	4.600 <sup>+0.035</sup> / <sub>+0.00</sub>	.111 ±.003	.312 ±.006	11.14
WH-450	4-1/2	4-41/64	.061	.068 <sup>+0.005</sup> / <sub>+0.00</sub>	4.500	4.636 ±.006	4.198	4.674 <sup>+0.035</sup> / <sub>+0.00</sub>	.061 ±.003	.238 ±.005	6.20
WHM-450	4-1/2	4-47/64	.111	.120 <sup>+0.005</sup> / <sub>+0.00</sub>	4.500	4.740 ±.006	4.146	4.770 <sup>+0.035</sup> / <sub>+0.00</sub>	.111 ±.003	.312 ±.006	20.38
WHT-450	4-1/2	4-47/64	.111	.120 <sup>+0.005</sup> / <sub>+0.00</sub>	4.500	4.735 ±.006	4.144	4.768 <sup>+0.035</sup> / <sub>+0.00</sub>	.111 ±.003	.312 ±.006	14.67
WHL-495	4.564	4.938	.093	.103	4.750	4.938		4.958	.093	.187	27.54
VH-462	4-5/8	4-47/64	.046	.052 <sup>+0.004</sup> / <sub>+0.00</sub>	4.625	4.735 ±.006	4.334	4.784 <sup>+0.035</sup> / <sub>+0.00</sub>	.046 ±.002	.225 ±.005	8.90
WHT-475	4-3/4	5	.111	.120 <sup>+0.005</sup> / <sub>+0.00</sub>	4.750	4.995 ±.006	4.404	5.028 <sup>+0.035</sup> / <sub>+0.00</sub>	.111 ±.003	.312 ±.006	16.54
WHL-525	4.849	5.223	.09	.0987	5.125	5.223		5.252	.090	.187	51.37
WH-500	5	5-9/64	.072	.079 <sup>+0.005</sup> / <sub>+0.00</sub>	5.000	5.144 ±.006	4.685	5.185 <sup>+0.035</sup> / <sub>+0.00</sub>	.072 ±.004	.250 ±.005	7.30
WHT-500	5	5-17/64	.111	.120 <sup>+0.005</sup> / <sub>+0.00</sub>	5.000	5.260 ±.006	4.671	5.295 <sup>+0.035</sup> / <sub>+0.00</sub>	.111 ±.003	.312 ±.006	17.19
WHL-573	5.22	5.72	.111	.120	5.500	5.720		5.739	.111	.250	10.46
WH-525	5-1/4	5-25/64	.072	.079 <sup>+0.005</sup> / <sub>+0.00</sub>	5.250	5.393 ±.007	4.936	5.436 <sup>+0.045</sup> / <sub>+0.00</sub>	.072 ±.004	.250 ±.005	7.79
WHL-574	5.346	5.72	.093	.098	5.500	5.720		5.740	.093	.187	9.30
VH-550	5-1/2	5-41/64	.061	.067 <sup>+0.004</sup> / <sub>+0.00</sub>	5.500	5.638 ±.007	5.244	5.694 <sup>+0.045</sup> / <sub>+0.00</sub>	.061 ±.002	.225 ±.005	9.20
WH-550	5-1/2	5-41/64	.072	.079 <sup>+0.005</sup> / <sub>+0.00</sub>	5.500	5.647 ±.007	5.193	5.693 <sup>+0.045</sup> / <sub>+0.00</sub>	.072 ±.004	.250 ±.005	6.66
WHT-550	5-1/2	5-49/64	.127	.139 <sup>+0.006</sup> / <sub>+0.00</sub>	5.500	5.770 ±.007	5.060	5.810 <sup>+0.045</sup> / <sub>+0.00</sub>	.127 ±.004	.375 ±.006	18.55
WH-551	5-33/64	5-21/32	.072	.079 <sup>+0.005</sup> / <sub>+0.00</sub>	5.511	5.658 ±.007	5.203	5.703 <sup>+0.045</sup> / <sub>+0.00</sub>	.072 ±.004	.250 ±.005	10.89
WHL-595	5.562	5.936	.122	.131	5.750	5.936		5.956	.122	.187	49.95
WH-570	5-45/64	5-55/64	.072	.079 <sup>+0.005</sup> / <sub>+0.00</sub>	5.708	5.861 ±.007	5.409	5.909 <sup>+0.045</sup> / <sub>+0.00</sub>	.072 ±.004	.250 ±.005	15.47
VH-575	5-3/4	5-57/64	.061	.067 <sup>+0.004</sup> / <sub>+0.00</sub>	5.750	5.894 ±.007	5.503	5.953 <sup>+0.045</sup> / <sub>+0.00</sub>	.061 ±.002	.225 ±.005	9.97
WH-600	6	6-5/32	.072	.079 <sup>+0.005</sup> / <sub>+0.00</sub>	6.000	6.153 ±.007	5.702	6.202 <sup>+0.045</sup> / <sub>+0.00</sub>	.072 ±.004	.250 ±.005	9.20
WHM-600	6	6-17/64	.127	.139 <sup>+0.006</sup> / <sub>+0.00</sub>	6.000	6.270 ±.007	5.614	6.314 <sup>+0.050</sup> / <sub>+0.00</sub>	.127 ±.004	.350 ±.006	22.34
WHT-600	6	6-17/64	.127	.139 <sup>+0.006</sup> / <sub>+0.00</sub>	6.000	6.270 ±.007	5.564	6.314 <sup>+0.045</sup> / <sub>+0.00</sub>	.127 ±.004	.375 ±.006	18.67
WH-612	6-1/8	6-19/64	.086	.094 <sup>+0.006</sup> / <sub>+0.00</sub>	6.125	6.297 ±.008	5.725	6.349 <sup>+0.045</sup> / <sub>+0.00</sub>	.086 ±.004	.312 ±.006	9.44
WHL-672	6.206	6.706	.111	.120	6.500	6.706		6.726	.111	.250	8.10
WHL-683	6.392	6.8	.105	.115	6.500	6.800		6.830	.105	.204	24.79
WHT-650	6-1/2	6-51/64	.165	.174 <sup>+0.008</sup> / <sub>+0.00</sub>	6.500	6.790 ±.008	6.213	6.837 <sup>+0.055</sup> / <sub>+0.00</sub>	.165 ±.005	.312 ±.006	58.87
WHT-662	6-5/8	6-59/64	.165	.174 <sup>+0.008</sup> / <sub>+0.00</sub>	6.625	6.925 ±.008	6.349	6.973 <sup>+0.055</sup> / <sub>+0.00</sub>	.165 ±.005	.312 ±.006	75.14
WHL-724	6.739	7.229	.122	.131	6.875	7.229		7.249	.122	.245	69.54
VH-675	6-3/4	6-59/64	.061	.067 <sup>+0.004</sup> / <sub>+0.00</sub>	6.750	6.919 ±.008	6.458	6.988 <sup>+0.045</sup> / <sub>+0.00</sub>	.061 ±.002	.265 ±.005	9.71

## SPIRAL INTERNAL RETAINER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	F THROAT DIAMETER	G HOUSING DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	RADIAL WALL	List Price
WH-700	7	7-3/16	.086	.094 <sup>+0.006</sup> / <sub>+0.000</sub>	7.000	7.182 ±.008	6.615	7.239 <sup>+0.055</sup> / <sub>+0.000</sub>	.086 ±.004	.312 ±.006	17.62
WHT-700	7	7-5/16	.165	.174 <sup>+0.008</sup> / <sub>+0.000</sub>	7.000	7.315 ±.008	6.742	7.366 <sup>+0.055</sup> / <sub>+0.000</sub>	.165 ±.005	.312 ±.006	42.46
WH-712	7-1/8	7-5/16	.086	.094 <sup>+0.006</sup> / <sub>+0.000</sub>	7.125	7.317 ±.008	6.752	7.376 <sup>+0.055</sup> / <sub>+0.000</sub>	.086 ±.004	.312 ±.006	17.56
WHL-770	7.18	7.68	.111	.120	7.500	7.680		7.700	.111	.250	10.73
WH-750	7-1/2	7-11/16	.086	.094 <sup>+0.006</sup> / <sub>+0.000</sub>	7.500	7.692 ±.008	7.130	7.754 <sup>+0.065</sup> / <sub>+0.000</sub>	.086 ±.004	.312 ±.006	18.52
WHL-849	7.983	8.473	.122	.131	8.125	8.473		8.493	.122	.245	92.74
WHL-871	8.19	8.69	.111	.120	8.500	8.690		8.710	.111	.250	13.30
WHL-876	8.24	8.74	.111	.120	8.520	8.740		8.760	.111	.250	22.28
WH-850	8-1/2	8-23/32	.086	.094 <sup>+0.006</sup> / <sub>+0.000</sub>	8.500	8.712 ±.008	8.030	8.780 <sup>+0.065</sup> / <sub>+0.000</sub>	.086 ±.004	.375 ±.006	28.49
WHL-992	9.407	9.907	.108	.115	9.625	9.907		9.927	.108	.250	39.05
WHL-1013	9.6	10.1	.108	.115	10.000	10.100		10.120	.108	.250	55.23
WHT-975	9-3/4	10-3/16	.189	.209 <sup>+0.008</sup> / <sub>+0.000</sub>	9.750	10.189 ±.008	9.510	10.260 <sup>+0.070</sup> / <sub>+0.000</sub>	.189 ±.005	.375 ±.006	64.24
WHT-1050	10-1/2	10-31/32	.189	.209 <sup>+0.008</sup> / <sub>+0.000</sub>	10.500	10.970 ±.008	10.322	11.072 <sup>+0.070</sup> / <sub>+0.000</sub>	.189 ±.005	.375 ±.006	111.92

# SPIRAL EXTERNAL RETAINER RINGS

SPIRAL RETAINER CROSS REFERENCE	
Prefix	Ramsey Spirolox Prefix
VS-	US-
WS-	RS-
WST-	RSN-
WSM-	RST-



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E SHAFT DIAMETER	H GROOVE DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	RADIAL WALL	List Price
WSM-50	15/32	1/2	.035	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	.500	.468 ±.002	.464 <sup>+0.000</sup> / <sub>-.013</sub>	.564	.035 ±.002	.050 ±.004	\$0.97
WSM-62	19/32	5/8	.035	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	.625	.588 ±.003	.583 <sup>+0.000</sup> / <sub>-.013</sub>	.693	.035 ±.002	.055 ±.004	1.07
WSM-75	45/64	3/4	.042	.046 <sup>+0.003</sup> / <sub>+0.000</sub>	.750	.704 ±.003	.698 <sup>+0.000</sup> / <sub>-.013</sub>	.828	.042 ±.002	.065 ±.004	2.07
WSM-87	53/64	7/8	.042	.046 <sup>+0.003</sup> / <sub>+0.000</sub>	.875	.821 ±.003	.814 <sup>+0.000</sup> / <sub>-.013</sub>	.964	.042 ±.002	.075 ±.004	2.28
WST-93	57/64	15/16	.042	.046 <sup>+0.003</sup> / <sub>+0.000</sub>	.938	.894 ±.003	.886 <sup>+0.000</sup> / <sub>-.013</sub>	1.036	.042 ±.002	.075 ±.004	1.78
WSM-100	15/16	1	.042	.046 <sup>+0.003</sup> / <sub>+0.000</sub>	1.000	.940 ±.003	.932 <sup>+0.000</sup> / <sub>-.013</sub>	1.102	.042 ±.002	.085 ±.004	2.33
WS-103	63/64	1-1/32	.037	.042 <sup>+0.003</sup> / <sub>+0.000</sub>	1.031	.988 ±.003	.978 <sup>+0.000</sup> / <sub>-.013</sub>	1.128	.037 ±.002	.075 ±.004	0.75
WST-106	1-1/64	1-1/16	.05	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.062	1.015 ±.004	1.005 <sup>+0.000</sup> / <sub>-.015</sub>	1.181	.050 ±.002	.088 ±.004	1.85
WSM-112	1-1/16	1-1/8	.05	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.125	1.059 ±.004	1.047 <sup>+0.000</sup> / <sub>-.013</sub>	1.253	.050 ±.002	.103 ±.004	2.33
WSM-125	1-11/64	1-1/4	.05	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.250	1.176 ±.004	1.163 <sup>+0.000</sup> / <sub>-.013</sub>	1.369	.050 ±.002	.103 ±.004	2.57
WS-131	1-17/64	1-5/16	.043	.048 <sup>+0.004</sup> / <sub>+0.000</sub>	1.312	1.264 ±.004	1.251 <sup>+0.000</sup> / <sub>-.015</sub>	1.441	.043 ±.002	.095 ±.004	1.23
WSM-137	1-19/64	1-3/8	.05	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.375	1.291 ±.004	1.277 <sup>+0.000</sup> / <sub>-.013</sub>	1.513	.050 ±.002	.118 ±.004	2.57
WS-137	1-21/64	1-3/8	.043	.048 <sup>+0.004</sup> / <sub>+0.000</sub>	1.375	1.323 ±.004	1.308 <sup>+0.000</sup> / <sub>-.015</sub>	1.498	.043 ±.002	.095 ±.004	1.23
WS-143	1-25/64	1-7/16	.043	.048 <sup>+0.004</sup> / <sub>+0.000</sub>	1.437	1.385 ±.004	1.370 <sup>+0.000</sup> / <sub>-.015</sub>	1.560	.043 ±.002	.095 ±.004	1.50
WSM-150	1-13/32	1-1/2	.05	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.500	1.406 ±.004	1.390 <sup>+0.000</sup> / <sub>-.013</sub>	1.626	.050 ±.002	.118 ±.004	2.70
WST-162	1-35/64	1-5/8	.062	.068 <sup>+0.004</sup> / <sub>+0.000</sub>	1.625	1.550 ±.005	1.537 <sup>+0.000</sup> / <sub>-.020</sub>	1.773	.062 ±.003	.118 ±.004	2.58
VS-162	1-9/16	1-5/8	.031	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	1.625	1.568 ±.005	1.550 <sup>+0.000</sup> / <sub>-.020</sub>	1.786	.031 ±.002	.118 ±.004	0.68
WST-168	1-39/64	1-11/16	.062	.068 <sup>+0.004</sup> / <sub>+0.000</sub>	1.687	1.610 ±.005	1.598 <sup>+0.000</sup> / <sub>-.020</sub>	1.834	.062 ±.003	.118 ±.004	4.49
WSM-175	1-21/32	1-3/4	.062	.068 <sup>+0.004</sup> / <sub>+0.000</sub>	1.750	1.650 ±.005	1.633 <sup>+0.000</sup> / <sub>-.020</sub>	1.889	.062 ±.003	.128 ±.004	2.71
WST-175	1-43/64	1-3/4	.062	.068 <sup>+0.004</sup> / <sub>+0.000</sub>	1.750	1.670 ±.005	1.657 <sup>+0.000</sup> / <sub>-.020</sub>	1.893	.062 ±.003	.118 ±.004	4.16
WS-175	1-11/16	1-3/4	.049	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.750	1.691 ±.005	1.673 <sup>+0.000</sup> / <sub>-.020</sub>	1.909	.049 ±.003	.118 ±.004	2.25
WST-187	1-51/64	1-7/8	.062	.068 <sup>+0.004</sup> / <sub>+0.000</sub>	1.875	1.790 ±.005	1.774 <sup>+0.000</sup> / <sub>-.020</sub>	2.020	.062 ±.003	.123 ±.004	4.22
VS-187	1-13/16	1-7/8	.031	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	1.875	1.818 ±.005	1.798 <sup>+0.000</sup> / <sub>-.020</sub>	2.034	.031 ±.002	.118 ±.004	0.85
WSM-200	1-57/64	2	.062	.068 <sup>+0.004</sup> / <sub>+0.000</sub>	2.000	1.886 ±.005	1.867 <sup>+0.000</sup> / <sub>-.020</sub>	2.183	.062 ±.003	.158 ±.004	7.16
WS-196	1-29/32	1-31/32	.049	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.969	1.902 ±.005	1.882 <sup>+0.000</sup> / <sub>-.020</sub>	2.138	.049 ±.003	.128 ±.004	2.42

## SPIRAL EXTERNAL RETAINER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E SHAFT DIAMETER	H GROOVE DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	RADIAL WALL	List Price
WS-206	1-63/64	2-1/16	.049	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	2.062	1.992 ±.006	1.971 <sup>+0.000</sup> / <sub>-.020</sub>	2.227	.049 ±.003	.128 ±.004	4.96
WS-225	2-11/64	2-1/4	.049	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	2.250	2.176 ±.006	2.153 <sup>+0.000</sup> / <sub>-.025</sub>	2.429	.049 ±.003	.138 ±.004	3.08
WS-231	2-15/64	2-5/16	.049	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	2.312	2.234 ±.006	2.211 <sup>+0.000</sup> / <sub>-.025</sub>	2.487	.049 ±.003	.138 ±.004	5.83
WS-236	2-9/32	2-23/64	.049	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	2.362	2.284 ±.006	2.261 <sup>+0.000</sup> / <sub>-.025</sub>	2.537	.049 ±.003	.138 ±.004	6.80
WST-250	2-25/64	2-1/2	.078	.086 <sup>+0.005</sup> / <sub>+0.000</sub>	2.500	2.385 ±.006	2.366 <sup>+0.000</sup> / <sub>-.025</sub>	2.742	.078 ±.003	.188 ±.005	7.76
WS-250	2-27/64	2-1/2	.049	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	2.500	2.418 ±.006	2.394 <sup>+0.000</sup> / <sub>-.025</sub>	2.690	.049 ±.003	.148 ±.004	4.69
WST-262	2-1/2	2-5/8	.078	.086 <sup>+0.005</sup> / <sub>+0.000</sub>	2.625	2.505 ±.006	2.485 <sup>+0.000</sup> / <sub>-.025</sub>	2.861	.078 ±.003	.188 ±.005	8.25
WS-268	2-19/32	2-11/16	.049	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	2.688	2.597 ±.006	2.572 <sup>+0.000</sup> / <sub>-.025</sub>	2.888	.049 ±.003	.158 ±.004	5.00
WST-275	2-5/8	2-3/4	.093	.103 <sup>+0.005</sup> / <sub>+0.000</sub>	2.750	2.625 ±.006	2.604 <sup>+0.000</sup> / <sub>-.030</sub>	2.980	.093 ±.003	.188 ±.005	7.73
WS-275	2-21/32	2-3/4	.049	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	2.750	2.660 ±.006	2.635 <sup>+0.000</sup> / <sub>-.030</sub>	2.951	.049 ±.003	.158 ±.004	5.00
WS-293	2-27/32	2-15/16	.049	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	2.937	2.843 ±.006	2.817 <sup>+0.000</sup> / <sub>-.030</sub>	3.153	.049 ±.003	.168 ±.005	6.54
WST-300	2-55/64	3	.093	.103 ±.005	3.000	2.860 ±.006	2.838 <sup>+0.000</sup> / <sub>-.030</sub>	3.214	.093 ±.003	.188 ±.005	7.82
WS-312	3-1/32	3-1/8	.061	.068 <sup>+0.005</sup> / <sub>+0.000</sub>	3.125	3.027 ±.006	3.000 <sup>+0.000</sup> / <sub>-.030</sub>	3.356	.061 ±.003	.178 ±.005	6.57
WSM-325	3-5/64	3-1/4	.093	.103 <sup>+0.005</sup> / <sub>+0.000</sub>	3.250	3.076 ±.006	3.054 <sup>+0.000</sup> / <sub>-.030</sub>	3.504	.093 ±.003	.225 ±.005	8.83
WS-325	3-5/32	3-1/4	.061	.068 <sup>+0.005</sup> / <sub>+0.000</sub>	3.250	3.150 ±.006	3.121 <sup>+0.000</sup> / <sub>-.030</sub>	3.477	.061 ±.003	.178 ±.005	7.98
WS-334	3-15/64	3-11/32	.061	.068 <sup>+0.005</sup> / <sub>+0.000</sub>	3.343	3.239 ±.006	3.210 <sup>+0.000</sup> / <sub>-.030</sub>	3.586	.061 ±.003	.188 ±.005	9.20
WST-343	3-9/32	3-7/16	.093	.103 ±.005	3.437	3.280 ±.006	3.254 <sup>+0.000</sup> / <sub>-.030</sub>	3.630	.093 ±.003	.188 ±.005	9.15
WST-350	3-11/32	3-1/2	.111	.120 ±.005	3.500	3.340 ±.006	3.153 <sup>+0.000</sup> / <sub>-.040</sub>	3.653	.111 ±.003	.250 ±.005	10.87
WS-362	3-33/64	3-5/8	.061	.068 <sup>+0.005</sup> / <sub>+0.000</sub>	3.625	3.515 ±.006	3.483 <sup>+0.000</sup> / <sub>-.040</sub>	3.879	.061 ±.003	.198 ±.005	4.35
WST-375	3-37/64	3-3/4	.111	.120 ±.005	3.750	3.577 ±.006	3.550 <sup>+0.000</sup> / <sub>-.040</sub>	4.050	.111 ±.003	.250 ±.005	12.01
WST-400	3-13/16	4	.111	.120 ±.005	4.000	3.815 ±.006	3.787 <sup>+0.000</sup> / <sub>-.040</sub>	4.287	.111 ±.003	.250 ±.005	19.60
VS-400	3-29/32	4	.039	.044 <sup>+0.003</sup> / <sub>+0.000</sub>	4.000	3.908 ±.006	3.867 <sup>+0.000</sup> / <sub>-.030</sub>	4.243	.039 ±.002	.188 ±.005	2.45
VS-412	4-1/64	4-1/8	.046	.052 <sup>+0.004</sup> / <sub>+0.000</sub>	4.125	4.015 ±.006	3.973 <sup>+0.000</sup> / <sub>-.035</sub>	4.423	.046 ±.002	.225 ±.005	2.45
WST-425	4-1/16	4-1/4	.111	.120 ±.005	4.250	4.065 ±.006	4.032 <sup>+0.000</sup> / <sub>-.040</sub>	4.532	.111 ±.003	.250 ±.005	32.78
WST-450	4-5/16	4-1/2	.111	.120 ±.005	4.500	4.310 ±.006	4.280 <sup>+0.000</sup> / <sub>-.040</sub>	4.780	.111 ±.003	.250 ±.005	19.68
WS-450	4-23/64	4-1/2	.061	.068 <sup>+0.005</sup> / <sub>+0.000</sub>	4.500	4.364 ±.006	4.326 <sup>+0.000</sup> / <sub>-.040</sub>	4.802	.061 ±.003	.238 ±.005	9.41
WST-500	4-51/64	5	.111	.120 ±.005	5.000	4.790 ±.006	4.755 <sup>+0.000</sup> / <sub>-.040</sub>	5.255	.111 ±.003	.250 ±.005	10.51
WS-525	5-7/64	5-1/4	.072	.079 <sup>+0.005</sup> / <sub>+0.000</sub>	5.250	5.107 ±.007	5.064 <sup>+0.000</sup> / <sub>-.050</sub>	5.564	.072 ±.004	.250 ±.005	14.75
VS-525	5-1/8	5-1/4	.061	.067 <sup>+0.004</sup> / <sub>+0.000</sub>	5.250	5.119 ±.007	5.067 <sup>+0.000</sup> / <sub>-.045</sub>	5.517	.061 ±.002	.225 ±.005	13.59
WS-537	5-15/64	5-3/8	.072	.079 <sup>+0.005</sup> / <sub>+0.000</sub>	5.375	5.228 ±.007	5.187 <sup>+0.000</sup> / <sub>-.050</sub>	5.687	.072 ±.004	.250 ±.005	16.26

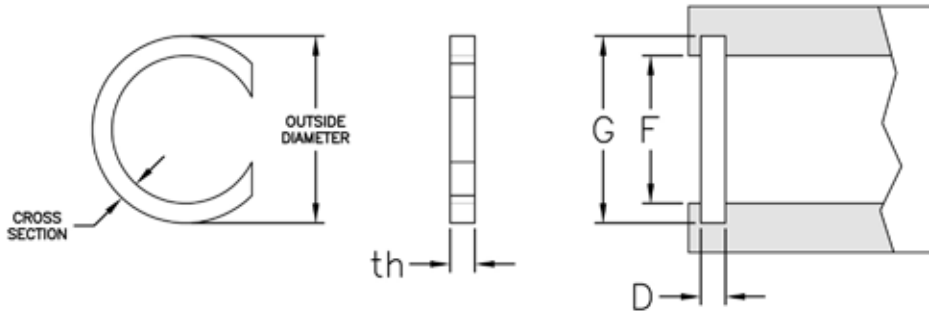
## SPIRAL EXTERNAL RETAINER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E SHAFT DIAMETER	H GROOVE DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	RADIAL WALL	List Price
WS-550	5-23/64	5-1/2	.072	.079 <sup>+005</sup> / <sub>+000</sub>	5.500	5.353 ±.007	5.308 <sup>+000</sup> / <sub>-.050</sub>	5.808	.072 ±.004	.250 ±.005	16.89
VS-625	6-3/32	6-1/4	.061	.067 <sup>+004</sup> / <sub>+000</sub>	6.250	6.094 ±.008	6.033 <sup>+000</sup> / <sub>-.045</sub>	6.563	.061 ±.002	.265 ±.005	10.26
WST-675	6-15/32	6-3/4	.165	.174 <sup>+008</sup> / <sub>+000</sub>	6.750	6.465 ±.008	6.420 <sup>+000</sup> / <sub>-.060</sub>	7.044	.165 ±.005	.312 ±.006	47.85

**Retainer Ring Assortment Kits  
Also Available -  
See the Kits & Tools Section**

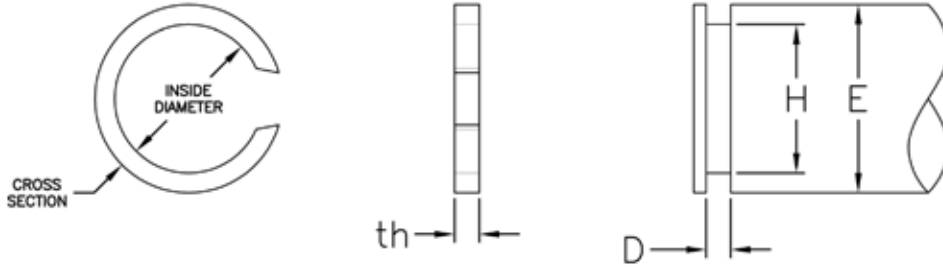


# EATON NAN SERIES INTERNAL RETAINER RINGS



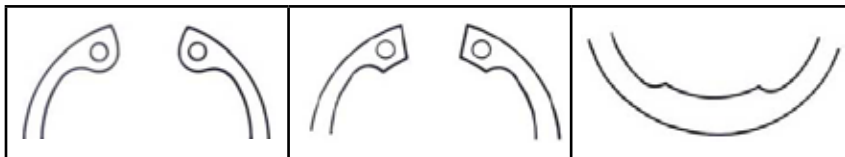
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	F THROAT DIAMETER	G HOUSING DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	CROSS SECTION	List Price
NAN-50	1/2	.524	.035	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	.500	.524 ±.003	.450	.530 <sup>+0.025</sup> / <sub>+0.000</sub>	.035 ±.002	.040 ±.003	\$2.17
NAN-62	5/8	.657	.035	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	.625	.657 ±.003	.574	.670 <sup>+0.025</sup> / <sub>+0.000</sub>	.035 ±.002	.048 ±.003	2.54
NAN-75	3/4	.786	.035	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	.750	.786 ±.003	.703	.799 <sup>+0.025</sup> / <sub>+0.000</sub>	.035 ±.002	.048 ±.003	3.03
NAN-87	7/8	.919	.042	.046 <sup>+0.003</sup> / <sub>+0.000</sub>	.875	.919 ±.003	.810	.934 <sup>+0.031</sup> / <sub>+0.000</sub>	.042 ±.002	.062 ±.003	3.31
NAN-100	1	1.052	.042	.046 <sup>+0.003</sup> / <sub>+0.000</sub>	1.000	1.052 ±.003	.914	1.070 <sup>+0.031</sup> / <sub>+0.000</sub>	.042 ±.002	.078 ±.003	3.51
NAN-112	1-1/8	1.181	.05	.056 <sup>+0.003</sup> / <sub>+0.000</sub>	1.125	1.181 ±.005	1.016	1.202 <sup>+0.031</sup> / <sub>+0.000</sub>	.050 ±.002	.093 ±.003	3.59
NAN-125	1-1/4	1.314	.05	.056 <sup>+0.003</sup> / <sub>+0.000</sub>	1.250	1.314 ±.005	1.119	1.337 <sup>+0.031</sup> / <sub>+0.000</sub>	.050 ±.002	.109 ±.003	3.85
NAN-137	1-3/8	1.447	.05	.056 <sup>+0.003</sup> / <sub>+0.000</sub>	1.375	1.447 ±.005	1.254	1.472 <sup>+0.031</sup> / <sub>+0.000</sub>	.050 ±.002	.109 ±.003	3.98
NAN-150	1-1/2	1.576	.05	.056 <sup>+0.003</sup> / <sub>+0.000</sub>	1.500	1.576 ±.005	1.357	1.607 <sup>+0.031</sup> / <sub>+0.000</sub>	.050 ±.002	.125 ±.005	4.08
NAN-156	1-9/16	1.642	.062	.068 <sup>+0.004</sup> / <sub>+0.000</sub>	1.562	1.642 ±.005	1.418	1.668 <sup>+0.046</sup> / <sub>+0.000</sub>	.062 ±.002	.125 ±.005	4.45

# EATON XAN SERIES EXTERNAL RETAINER RINGS



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E SHAFT DIAMETER	H GROOVE DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	CROSS SECTION	List Price
XAN-50	.474	1/2	.035	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	.500	.474 ±0.002	.464 <sup>+0.000</sup> / <sub>-.025</sub>	.560	.035 ±0.002	.048 ±0.003	\$2.17
XAN-62	.597	5/8	.035	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	.625	.597 ±0.002	.586 <sup>+0.000</sup> / <sub>-.025</sub>	.710	.035 ±0.002	.062 ±0.003	2.54
XAN-75	.716	3/4	.042	.046 <sup>+0.003</sup> / <sub>+0.000</sub>	.750	.716 ±0.002	.703 <sup>+0.000</sup> / <sub>-.025</sub>	.827	.042 ±0.002	.062 ±0.003	3.03
XAN-87	.835	7/8	.042	.046 <sup>+0.003</sup> / <sub>+0.000</sub>	.875	.835 ±0.003	.820 <sup>+0.000</sup> / <sub>-.031</sub>	.976	.042 ±0.002	.078 ±0.003	3.31
XAN-100	.956	1	.042	.046 <sup>+0.003</sup> / <sub>+0.000</sub>	1.000	.956 ±0.003	.941 <sup>+0.000</sup> / <sub>-.031</sub>	1.127	.042 ±0.002	.093 ±0.003	3.51
XAN-112	1.075	1-1/8	.05	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.125	1.075 ±0.003	1.060 <sup>+0.000</sup> / <sub>-.031</sub>	1.246	.050 ±0.002	.093 ±0.003	3.59
XAN-125	1.194	1-1/4	.05	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.250	1.194 ±0.004	1.179 <sup>+0.000</sup> / <sub>-.031</sub>	1.365	.050 ±0.002	.093 ±0.003	3.85
XAN-137	1.309	1-3/8	.05	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.375	1.309 ±0.004	1.291 <sup>+0.000</sup> / <sub>-.031</sub>	1.509	.050 ±0.002	.109 ±0.003	3.98
XAN-150	1.43	1-1/2	.05	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.500	1.430 ±0.004	1.408 <sup>+0.000</sup> / <sub>-.031</sub>	1.626	.050 ±0.002	.109 ±0.003	4.08
XAN-275	2.624	2-3/4	.093	.103 <sup>+0.005</sup> / <sub>+0.000</sub>	2.750	2.624 ±0.006	2.594 <sup>+0.000</sup> / <sub>-.062</sub>	2.968	.093 ±0.002	.187 ±0.005	11.89
XAN-325	3.1	3-1/4	.093	.103 <sup>+0.005</sup> / <sub>+0.000</sub>	3.250	3.100 ±0.006	3.070 <sup>+0.000</sup> / <sub>-.062</sub>	3.570	.093 ±0.002	.250 ±0.005	19.27
XAN-375	3.576	3-3/4	.109	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	3.750	3.576 ±0.006	3.541 <sup>+0.000</sup> / <sub>-.078</sub>	4.041	.109 ±0.002	.250 ±0.005	27.90

## INTERNAL RETAINER RINGS (TRU-ARC TYPE)



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	F THROAT DIAMETER	G HOUSING DIAMETER	OUTSIDE DIAMETER	th THICKNESS	List Price
300-025	1/4	.268	.015	.020 <sup>+0.002</sup> / <sub>+0.000</sub>	.250	.268 ±.001	.280 <sup>+0.010</sup> / <sub>-.005</sub>	.015 ±.002	\$0.70
300-045	.453	.477	.025	.029 <sup>+0.003</sup> / <sub>+0.000</sub>	.453	.477 ±.002	.498 <sup>+0.010</sup> / <sub>-.005</sub>	.025 ±.002	0.75
300-050	1/2	.53	.035	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	.500	.530 ±.002	.548 <sup>+0.010</sup> / <sub>-.005</sub>	.035 ±.002	0.70
300-062	5/8	.665	.035	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	.625	.665 ±.002	.694 <sup>+0.010</sup> / <sub>-.005</sub>	.035 ±.002	0.70
300-075	3/4	.796	.035	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	.750	.796 ±.002	.831 <sup>+0.010</sup> / <sub>-.005</sub>	.035 ±.002	0.76
300-087	7/8	.931	.042	.046 <sup>+0.003</sup> / <sub>+0.000</sub>	.875	.931 ±.003	.971 <sup>+0.015</sup> / <sub>-.010</sub>	.042 ±.002	0.76
300-090	.901	.959	.042	.046 <sup>+0.003</sup> / <sub>+0.000</sub>	.901	.959 ±.003	1.000 <sup>+0.015</sup> / <sub>-.010</sub>	.042 ±.002	0.75
300-093	.938	1	.042	.046 <sup>+0.003</sup> / <sub>+0.000</sub>	.938	1.000 ±.003	1.041 <sup>+0.015</sup> / <sub>-.010</sub>	.042 ±.002	0.75
300-100	1	1.066	.042	.046 <sup>+0.003</sup> / <sub>+0.000</sub>	1.000	1.066 ±.003	1.111 <sup>+0.015</sup> / <sub>-.010</sub>	.042 ±.002	0.76
300-102	1.023	1.091	.042	.046 <sup>+0.003</sup> / <sub>+0.000</sub>	1.023	1.091 ±.003	1.136 <sup>+0.015</sup> / <sub>-.010</sub>	.042 ±.002	0.76
300-106	1.062	1.13	.05	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.062	1.130 ±.004	1.180 <sup>+0.025</sup> / <sub>-.020</sub>	.050 ±.002	1.49
300-112	1-1/8	1.197	.05	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.125	1.197 ±.004	1.249 <sup>+0.025</sup> / <sub>-.020</sub>	.050 ±.002	0.80
300-118	1.188	1.262	.05	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.188	1.262 ±.004	1.319 <sup>+0.025</sup> / <sub>-.020</sub>	.050 ±.002	1.18
300-125	1-1/4	1.33	.05	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.250	1.330 ±.004	1.388 <sup>+0.025</sup> / <sub>-.020</sub>	.050 ±.002	0.88
300-137	1-3/8	1.461	.05	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.375	1.461 ±.004	1.526 <sup>+0.025</sup> / <sub>-.020</sub>	.050 ±.002	0.97
300-143	1.438	1.528	.05	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.438	1.528 ±.004	1.596 <sup>+0.025</sup> / <sub>-.020</sub>	.050 ±.002	1.08
300-150	1-1/2	1.594	.05	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.500	1.594 ±.004	1.660 <sup>+0.025</sup> / <sub>-.020</sub>	.050 ±.002	1.08
300-156	1.562	1.658	.062	.068 <sup>+0.004</sup> / <sub>+0.000</sub>	1.562	1.658 ±.005	1.734 <sup>+0.035</sup> / <sub>-.025</sub>	.062 ±.003	1.62
300-162	1-5/8	1.725	.062	.068 <sup>+0.004</sup> / <sub>+0.000</sub>	1.625	1.725 ±.005	1.804 <sup>+0.035</sup> / <sub>-.025</sub>	.062 ±.003	1.62
300-165	1.653	1.755	.062	.068 <sup>+0.004</sup> / <sub>+0.000</sub>	1.653	1.755 ±.005	1.835 <sup>+0.035</sup> / <sub>-.025</sub>	.062 ±.003	1.14
300-168	1.688	1.792	.062	.068 <sup>+0.004</sup> / <sub>+0.000</sub>	1.688	1.792 ±.005	1.874 <sup>+0.035</sup> / <sub>-.025</sub>	.062 ±.003	3.05
300-175	1-3/4	1.858	.062	.068 <sup>+0.004</sup> / <sub>+0.000</sub>	1.750	1.858 ±.005	1.942 <sup>+0.035</sup> / <sub>-.025</sub>	.062 ±.003	1.86
300-187	1-7/8	1.989	.062	.068 <sup>+0.004</sup> / <sub>+0.000</sub>	1.875	1.989 ±.005	2.072 <sup>+0.035</sup> / <sub>-.025</sub>	.062 ±.003	1.96
300-193	1.938	2.056	.062	.068 <sup>+0.004</sup> / <sub>+0.000</sub>	1.938	2.056 ±.005	2.141 <sup>+0.035</sup> / <sub>-.025</sub>	.062 ±.003	1.44
300-200	2	2.122	.062	.068 <sup>+0.004</sup> / <sub>+0.000</sub>	2.000	2.122 ±.005	2.210 <sup>+0.035</sup> / <sub>-.025</sub>	.062 ±.003	1.99
300-206	2.062	2.186	.078	.086 <sup>+0.005</sup> / <sub>+0.000</sub>	2.062	2.186 ±.006	2.280 <sup>+0.040</sup> / <sub>-.030</sub>	.078 ±.003	3.26



## INTERNAL RETAINER RINGS (TRU-ARC TYPE)

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	F THROAT DIAMETER	G HOUSING DIAMETER	OUTSIDE DIAMETER	th THICKNESS	List Price
300-212	2-1/8	2.251	.078	.086 <sup>+0.005</sup> / <sub>+0.000</sub>	2.125	2.251 ±.006	2.350 <sup>+0.040</sup> / <sub>-.030</sub>	.078 ±.003	3.49
300-225	2-1/4	2.382	.078	.086 <sup>+0.005</sup> / <sub>+0.000</sub>	2.250	2.382 ±.006	2.490 <sup>+0.040</sup> / <sub>-.030</sub>	.078 ±.003	3.49
300-231	2.312	2.45	.078	.086 <sup>+0.005</sup> / <sub>+0.000</sub>	2.312	2.450 ±.006	2.535 <sup>+0.040</sup> / <sub>-.030</sub>	.078 ±.003	3.47
300-237	2-3/8	2.517	.078	.086 <sup>+0.005</sup> / <sub>+0.000</sub>	2.375	2.517 ±.006	2.630 <sup>+0.040</sup> / <sub>-.030</sub>	.078 ±.003	3.49
300-244	2.44	2.584	.078	.086 <sup>+0.005</sup> / <sub>+0.000</sub>	2.440	2.584 ±.006	2.702 <sup>+0.040</sup> / <sub>-.030</sub>	.078 ±.003	3.58
300-250	2-1/2	2.648	.078	.086 <sup>+0.005</sup> / <sub>+0.000</sub>	2.500	2.648 ±.006	2.775 <sup>+0.040</sup> / <sub>-.030</sub>	.078 ±.003	3.85
300-256	2.562	2.714	.093	.103 <sup>+0.005</sup> / <sub>+0.000</sub>	2.562	2.714 ±.006	2.844 <sup>+0.040</sup> / <sub>-.030</sub>	.093 ±.003	4.47
300-262	2-5/8	2.781	.093	.103 <sup>+0.005</sup> / <sub>+0.000</sub>	2.625	2.781 ±.006	2.910 <sup>+0.040</sup> / <sub>-.030</sub>	.093 ±.003	7.20
300-275	2-3/4	2.914	.093	.103 <sup>+0.005</sup> / <sub>+0.000</sub>	2.750	2.914 ±.006	3.050 <sup>+0.040</sup> / <sub>-.030</sub>	.093 ±.003	4.86
300-281	2.835	2.98	.093	.103 <sup>+0.005</sup> / <sub>+0.000</sub>	2.835	2.980 ±.006	3.121 <sup>+0.040</sup> / <sub>-.030</sub>	.093 ±.003	8.00
300-287	2-7/8	3.051	.093	.103 <sup>+0.005</sup> / <sub>+0.000</sub>	2.875	3.051 ±.006	3.191 <sup>+0.040</sup> / <sub>-.030</sub>	.093 ±.003	15.14
300-300	3	3.182	.093	.103 <sup>+0.005</sup> / <sub>+0.000</sub>	3.000	3.182 ±.006	3.325 <sup>+0.040</sup> / <sub>-.030</sub>	.093 ±.003	5.98
300-306	3.062	3.248	.109	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	3.062	3.248 ±.006	3.418 ±.055	.109 ±.003	7.20
300-312	3-1/8	3.315	.109	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	3.125	3.315 ±.006	3.488 ±.055	.109 ±.003	9.05
300-315	3.149	3.348	.109	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	3.149	3.348 ±.006	3.523 ±.055	.109 ±.003	9.05
300-325	3-1/4	3.446	.109	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	3.250	3.446 ±.006	3.623 ±.055	.109 ±.003	9.44
300-350	3-1/2	3.71	.109	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	3.500	3.710 ±.006	3.890 ±.055	.109 ±.003	9.44
300-354	3.562	3.755	.109	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	3.562	3.755 ±.006	3.936 ±.055	.109 ±.003	9.70
300-362	3-5/8	3.841	.109	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	3.625	3.841 ±.006	4.024 ±.055	.109 ±.003	10.68
300-375	3-3/4	3.974	.109	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	3.750	3.974 ±.006	4.157 ±.065	.109 ±.003	10.89
300-387	3-7/8	4.107	.109	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	3.875	4.107 ±.006	4.291 ±.065	.109 ±.003	23.85
300-393	3.938	4.174	.109	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	3.938	4.174 ±.006	4.358 ±.065	.109 ±.003	11.49
300-400	4	4.24	.109	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	4.000	4.240 ±.006	4.424 ±.065	.109 ±.003	11.49
300-412	4-1/8	4.365	.109	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	4.125	4.365 ±.006	4.558 ±.065	.109 ±.003	13.78
300-425	4-1/4	4.49	.109	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	4.250	4.490 ±.006	4.691 ±.065	.109 ±.003	17.85
300-433	4.331	4.571	.109	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	4.331	4.571 ±.006	4.756 ±.065	.109 ±.003	13.78
300-450	4-1/2	4.74	.109	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	4.500	4.740 ±.006	4.940 ±.065	.109 ±.003	13.78
300-462	4-5/8	4.865	.109	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	4.625	4.865 ±.006	5.076 ±.065	.109 ±.003	15.84
300-475	4-3/4	4.995	.109	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	4.750	4.995 ±.006	5.213 ±.065	.109 ±.003	17.21
300-500	5	5.26	.109	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	5.000	5.260 ±.006	5.485 ±.065	.109 ±.003	17.61

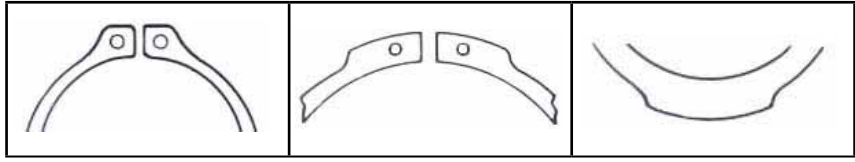


# INTERNAL RETAINER RINGS (TRU-ARC TYPE)

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	F THROAT DIAMETER	G HOUSING DIAMETER	OUTSIDE DIAMETER	th THICKNESS	List Price
300-525	5-1/4	5.52	1/8	.139 <sup>+0.005</sup> / <sub>+0.000</sub>	5.250	5.520 ±.007	5.770 ±.065	.125 ±.004	17.82
300-537	5-3/8	5.65	1/8	.139 <sup>+0.006</sup> / <sub>+0.000</sub>	5.375	5.650 ±.007	5.910 ±.065	.125 ±.004	36.12
300-550	5-1/2	5.77	1/8	.139 <sup>+0.006</sup> / <sub>+0.000</sub>	5.500	5.770 ±.007	6.066 ±.065	.125 ±.004	20.66
300-600	6	6.27	1/8	.139 <sup>+0.006</sup> / <sub>+0.000</sub>	6.000	6.270 ±.007	6.620 ±.065	.125 ±.004	31.67
300-625	6-1/4	6.53	.156	.174 <sup>+0.008</sup> / <sub>+0.000</sub>	6.250	6.530 ±.008	6.895 ±.080	.156 ±.005	51.26
300-650	6-1/2	6.79	.156	.174 <sup>+0.008</sup> / <sub>+0.000</sub>	6.500	6.790 ±.008	7.170 ±.080	.156 ±.005	52.86
300-700	7	7.315	.156	.174 <sup>+0.008</sup> / <sub>+0.000</sub>	7.000	7.315 ±.008	7.720 ±.080	.156 ±.005	117.58

# EXTERNAL RETAINER RINGS (TRU-ARC TYPE)

HD= HEAVY DUTY RING



Part Number	D GROOVE WIDTH	E SHAFT DIAMETER	H GROOVE DIAMETER	INSIDE DIAMETER	th THICKNESS	List Price
310-025	.029 <sup>+0.003</sup> / <sub>+0.000</sub>	.250	.230 ±0.02	.225 <sup>-.111</sup> / <sub>-.117</sub>	.025 ±0.01	\$0.57
310-028	.029 <sup>+0.003</sup> / <sub>+0.000</sub>	.281	.261 ±0.02	.256 <sup>+0.002</sup> / <sub>-.005</sub>	.025 ±0.02	0.91
310-037	.029 <sup>+0.003</sup> / <sub>+0.000</sub>	.375	.352 ±0.02	.338 <sup>+0.002</sup> / <sub>-.006</sub>	.025 ±0.02	0.57
310-050	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	.500	.468 ±0.02	.461 <sup>+0.002</sup> / <sub>-.005</sub>	.035 ±0.02	0.70
310-062	.039 <sup>+0.003</sup> / <sub>+0.000</sub>	.625	.588 ±0.03	.579 <sup>+0.005</sup> / <sub>-.010</sub>	.035 ±0.02	0.70
310-068	.046 <sup>+0.003</sup> / <sub>+0.000</sub>	.688	.646 ±0.03	.635 <sup>+0.005</sup> / <sub>-.010</sub>	.042 ±0.02	0.70
310-075	.046 <sup>+0.003</sup> / <sub>+0.000</sub>	.750	.704 ±0.03	.693 <sup>+0.005</sup> / <sub>-.010</sub>	.042 ±0.02	0.70
310-081	.046 <sup>+0.003</sup> / <sub>+0.000</sub>	.812	.762 ±0.03	.751 <sup>+0.005</sup> / <sub>-.010</sub>	.042 ±0.02	0.76
310-087	.046 <sup>+0.003</sup> / <sub>+0.000</sub>	.875	.821 ±0.03	.810 <sup>+0.005</sup> / <sub>-.010</sub>	.042 ±0.02	0.76
310-093	.046 <sup>+0.003</sup> / <sub>+0.000</sub>	.938	.882 ±0.03	.867 <sup>+0.005</sup> / <sub>-.010</sub>	.042 ±0.02	0.76
310-100	.046 <sup>+0.003</sup> / <sub>+0.000</sub>	1.000	.940 ±0.03	.925 <sup>+0.005</sup> / <sub>-.010</sub>	.042 ±0.02	0.80
310-112	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.125	1.059 ±0.04	1.041 <sup>+0.010</sup> / <sub>-.015</sub>	.050 ±0.02	1.08
310-118	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.188	1.118 ±0.04	1.098 <sup>+0.010</sup> / <sub>-.015</sub>	.050 ±0.02	1.08
310-125	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.250	1.176 ±0.04	1.156 <sup>+0.010</sup> / <sub>-.015</sub>	.050 ±0.02	0.91
310-137	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.375	1.291 ±0.04	1.272 <sup>+0.010</sup> / <sub>-.015</sub>	.050 ±0.02	1.05
310-150	.056 <sup>+0.004</sup> / <sub>+0.000</sub>	1.500	1.406 ±0.04	1.387 <sup>+0.010</sup> / <sub>-.015</sub>	.050 ±0.02	1.12
310-162	.068 <sup>+0.004</sup> / <sub>+0.000</sub>	1.625	1.529 ±0.05	1.503 <sup>+0.013</sup> / <sub>-.020</sub>	.620 <sup>-.555</sup> / <sub>-.561</sub>	1.52
310-175HD	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	1.750	1.650 ±0.03	1.608 <sup>+0.013</sup> / <sub>-.020</sub>	.109 ±0.03	5.63
310-175	.068 <sup>+0.004</sup> / <sub>+0.000</sub>	1.750	1.650 ±0.05	1.618 <sup>+0.013</sup> / <sub>-.020</sub>	.062 ±0.03	1.93
310-200	.068 <sup>+0.004</sup> / <sub>+0.000</sub>	2.000	1.886 ±0.05	1.850 <sup>+0.013</sup> / <sub>-.020</sub>	.062 ±0.03	2.93
310-212	.086 <sup>+0.005</sup> / <sub>+0.000</sub>	2.125	2.003 ±0.06	1.964 <sup>+0.015</sup> / <sub>-.025</sub>	.078 ±0.03	3.39
310-225	.086 <sup>+0.005</sup> / <sub>+0.000</sub>	2.250	2.120 ±0.06	2.081 <sup>+0.015</sup> / <sub>-.025</sub>	.078 ±0.03	3.39
310-237	.086 <sup>+0.005</sup> / <sub>+0.000</sub>	2.375	2.239 ±0.06	2.197 <sup>+0.015</sup> / <sub>-.025</sub>	.078 ±0.03	5.25
310-250	.086 <sup>+0.005</sup> / <sub>+0.000</sub>	2.500	2.360 ±0.06	2.313 <sup>+0.015</sup> / <sub>-.025</sub>	.078 ±0.03	6.42
310-262	.086 <sup>+0.005</sup> / <sub>+0.000</sub>	2.625	2.481 ±0.06	2.428 <sup>+0.020</sup> / <sub>-.030</sub>	.078 ±0.03	6.44
310-275	.103 <sup>+0.005</sup> / <sub>+0.000</sub>	2.750	2.602 ±0.06	2.543 <sup>+0.020</sup> / <sub>-.030</sub>	.093 ±0.03	6.53

## EXTERNAL RETAINER RINGS (TRU-ARC TYPE)

Part Number	D GROOVE WIDTH	E SHAFT DIAMETER	H GROOVE DIAMETER	INSIDE DIAMETER	th THICKNESS	List Price
310-287	.103 <sup>+0.005</sup> / <sub>+0.000</sub>	2.875	2.838 ±.006	2.659 <sup>+0.020</sup> / <sub>-.030</sub>	.093 ±.003	6.90
310-300	.103 <sup>+0.005</sup> / <sub>+0.000</sub>	3.000	2.838 ±.006	2.775 <sup>+0.020</sup> / <sub>-.030</sub>	.093 ±.003	6.58
310-325	.103 <sup>+0.005</sup> / <sub>+0.000</sub>	3.250	3.076 ±.006	3.006 <sup>+0.020</sup> / <sub>-.030</sub>	.093 ±.003	12.98
310-350	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	3.500	3.316 ±.006	3.237 <sup>+0.020</sup> / <sub>-.030</sub>	.109 ±.003	12.19
310-400	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	4.000	3.792 ±.006	3.700 <sup>+0.020</sup> / <sub>-.030</sub>	.109 ±.003	23.75
310-425	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	4.250	4.065 ±.006	3.989 <sup>+0.020</sup> / <sub>-.030</sub>	.109 ±.003	20.91
310-437	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	4.375	4.190 ±.006	4.106 <sup>+0.020</sup> / <sub>-.030</sub>	.109 ±.003	26.70
310-450	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	4.500	4.310 ±.006	4.223 <sup>+0.020</sup> / <sub>-.030</sub>	.109 ±.003	26.70
310-500	.120 <sup>+0.005</sup> / <sub>+0.000</sub>	5.000	4.790 ±.006	4.692 <sup>+0.020</sup> / <sub>-.030</sub>	.109 ±.003	24.03
310-575	.139 <sup>+0.006</sup> / <sub>+0.000</sub>	5.750	5.505 ±.007	5.396 <sup>+0.020</sup> / <sub>-.040</sub>	.125 ±.004	68.48

**Retainer Ring Assortment Kits  
Also Available -  
See the Kit & Tool Section**

# STYLE RSR RETAINER RINGS

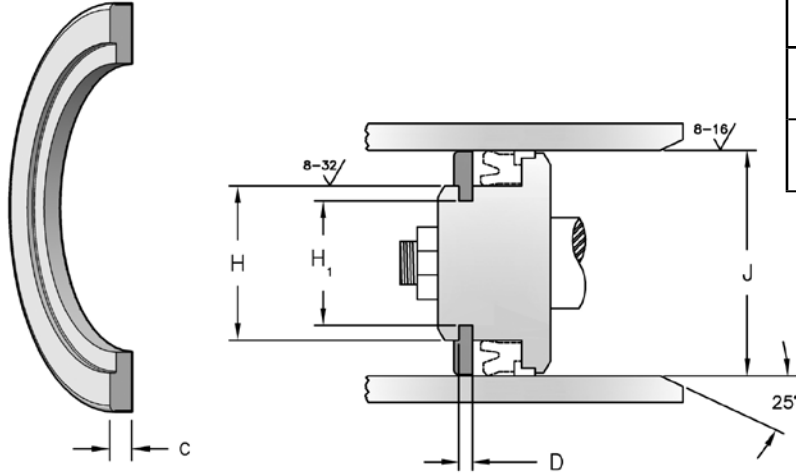


Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	CROSS SECTION	List Price
RSR-031	.28	.35	.035	.280	.350	.035	.035	\$4.33
RSR-052	.519	5/8	.053	.519	.625 ±.005	.053 ±.005	.053 ±.005	5.15
RSR-092	.92	1.08	.08	.920	1.080 ±.010	.080 ±.001	.080 ±.001	22.76
RSR-105	1.05	1.2	.075	1.050 ±.005	1.200	.075 ±.005	.075 ±.005	6.00
RSR-150	1.384	1.51	.063	1.384	1.510 ±.025	.063 ±.001	.063 ±.001	11.33
RSR-138	1.39	1.662	.136	1.390 ±.005	1.662	.136 ±.002	.136 ±.002	32.18
RSR-152	1.416	1.6	.092	1.416	1.600 ±.010	.092 ±.005	.092 ±.005	26.38
RSR-151	1.462	1.58	.059	1.462	1.580 ±.010	.059 ±.005	.059 ±.005	19.59
RSR-150A	1.61	1.735	1/16	1.610 ±.025	1.735	.0625	.0625	18.46
RSR-175	1.688	1.812	.062	1.688	1.812 ±.005	.062 ±.005	.062 ±.005	23.69
RSR-175X090	1.72	1.9	.09	1.720	1.900 ±.010	.090 ±.005	.090 ±.005	15.02
RSR-202	1.92	2.176	.128	1.920 ±.010	2.176	.128 ±.005	.128 ±.005	26.75
RSR-201	1.932	2.116	.092	1.932	2.116 <sup>+.020</sup> <sub>-.005</sub>	.092 ±.001	.092 ±.001	26.75
RSR-204	1.98	2.12	.07	1.980	2.120	.070	.070	9.56
RSR-203	2.03	2.28	1/8	2.030	2.280 ±.010	.125 ±.005	.125 ±.005	26.75
RSR-225B	2.05	2-1/4	.1	2.050	2.250 ±.010	.100 ±.005	.100 ±.005	21.79
RSR-206	2.06	2.31	1/8	2.063	2.313 ±.010	.125 ±.005	.125 ±.005	31.91
RSR-200	2.127	2.275	.074	2.127	2.275 ±.005	.074 ±.005	.074 ±.005	11.61
RSR-225A	2.186	2.37	.092	2.186	2.370 ±.010	.092 ±.005	.092 ±.005	21.79
RSR-225	2.28	2.53	1/8	2.280	2.530 ±.010	.125 ±.005	.125 ±.005	34.41
RSR-260	2.414	2.6	.093	2.414	2.600 ±.005	.093 ±.005	.093 ±.005	19.32
RSR-250	2.466	2.76	.147	2.466	2.760 ±.010	.147 ±.005	.147 ±.005	27.90
RSR-256X125	2.52	2.77	1/8	2.520	2.770 ±.010	.125 ±.005	.125 ±.005	32.50
RSR-275	2.686	2.87	.092	2.686	2.870 <sup>+.020</sup> <sub>-.005</sub>	.092 ±.001	.092 ±.001	7.04
RSR-300	2.93	3.186	.128	2.930	3.186	.128	.128	34.41
RSR-301	2.966	3.26	.147	2.966	3.260 ±.010	.147 ±.005	.147 ±.005	22.71
RSR-3.50X.18X.25	3.14	3-1/2	1/4	3.140	3.500 ±.010	.250 ±.010	.180 ±.010	45.92
RSR-422	3.92	4.22	.15	3.920	4.220 ±.010	.150 ±.010	.150 ±.010	27.81



## STYLE SR U-SEAL RETAINER RINGS

These rings are split for ease of installation and are retained in a groove. Their use is primarily to retain single acting piston seals. Commonly used with UFN style piston seals.



SEAL INFORMATION	
MATERIAL	ACETAL
TEMPERATURE RANGE	-22° TO +212° F

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E SHAFT DIAMETER	H GROOVE DIAMETER	th THICKNESS	List Price
SR-2.00X1.37	1.211	2	1/4	.130	1.375	1.211	.250	\$3.49
SR-2.37X1.75	1.586	2-3/8	1/4	.130	1.750	1.586	.250	4.11
SR-2.50X1.87	1.711	2-1/2	1/4	.130	1.875	1.711	.250	6.67
SR-2.62X2.00	1.836	2-5/8	1/4	.130	2.000	1.836	.250	4.23
SR-2.75X2.12	1.961	2-3/4	1/4	.130	2.125	1.961	.250	5.26
SR-3.00X2.25	2.086	3	1/4	.130	2.250	2.086	.250	5.38
SR-3.50X2.75	2.586	3-1/2	1/4	.130	2.750	2.586	.250	6.94
SR-3.62X3.00	2.836	3-5/8	1/4	.130	3.000	2.836	.250	5.51
SR-4.00X3.25	3.086	4	.275	.190	3.250	3.086	.275	6.04
SR-4.12X3.50	3.336	4-1/8	1/4	.130	3.500	3.336	.250	6.94