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AS-568 Standard 0-Rings Quick Reference Chart

Munaco SEALING SOLUTIONS, Inc.

General Applications

Munaco's O-Rings are available in a variety of materials. The below are the most common basic materials, each in a range of optional Durometer (Shore A) Hardnesses. Other materials are available upon request.

Buna-N/Nitrile: Buna N/Nitrile rubber is a copolymer of butadiene and acrylonitrile. You will find compounds that are ideally suited for oil and fuel resistant applications of all types

Ethylene-Propylene: In the Ethylene-Propylene family, you will find compounds that are used extensively for outdoor, weather resistant uses, water appliances. The first choice for low torque drive belts.

Silicone: In the Silicone family, you will find compounds that are excellent as static seals in extreme temperature conditions.

Neoprene:® In the Neoprene family, you will find compounds which are the superior sealing materials for the refrigeration industry featuring resistance to ammonia and Freon.®

Fluorocarbon: In the Fluorocarbon family, you will find compounds that make up the preferred seals for aircraft engines, automotive fuel handling systems, and hard vacuum service.

Fluorosilicone: In the Fluorosilicone family, there are compounds that are unparalleled for aerospace fuel systems and auto fuel emission control systems.

Our materials are compounded under stringent quality control for uniformity of physical properties. We can provide materials to meet or exceed Government, Military, Space Program, Automotive, F.D.A., Industrial and Commercial specifications as well.

Materials	Durometer (Shore A)	Temperature Range Dry Heat Only	Description
Buna-N/Nitrile (NBR)	40 thru 90	-40 to +257° F -40 to +125° C	Nitrile combines excellent resistance to petroleum-based oils and fuels, silicone greases, hydraulic fluids, water and alcohols, with a good balance of such desirable working properties as low compression set, high tensile strength, and high abrasion resistance.
Ethylene-Propylene (EPM/EPDM)	40 thru 90	-40 to +275° F -40 to +135° C	EPM/EPDM is also highly recommended for effective resistance to steam (to 400° F), hot water, silicone oils and greases, dilute acids and alkalies, alcohols and automotive brake fluids. Properly compounded, Ethylene Propylene can provide extended temperature range of -76°F to +350°F.
Silicone (Mq; PMq; VMq; PVMq)	25 thru 80	-85 to +400° F -65 to +230° C	Especially resistant to high, dry heat, in primarily static applications. Silicones are fungus resistant, odorless, tasteless, non-toxic elastomers, possessing high resistance to the aging effects of both sunlight and ozone attack.
Neoprene® (Chloroprene) (CR)	40 thru 90	-40 to +250° F -40 to +121° C	An oil-resistant substitute for Natural Rubber, Neoprene features moderate resistance to petroleum oils; good resistance to ozone, sunlight and oxygen aging; relatively low compression set; good resilience; reasonable cost; and high resistance to attack by Freon® and Ammonia.
Fluorocarbon (Viton®) (FKM)	55 thru 95	-13 to +446° F -25 to +230° C	Combining high temperature toughness with wide chemical agent compatibility, Fluorocarbon compounds feature excellent resistance to petroleum products and solvents, with good high temperature compression set characteristics.

Standard O-Rings

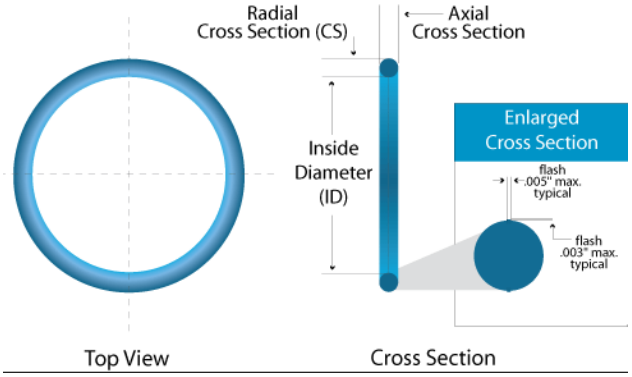
Simplified Reference, Easy to Order: The information you need for standard O-Ring sized is listed by ascending inside diameter (I.D.) in fractional and decimal sizes along with the Standard AS-568* Uniform Numbering System .

Choice of Materials: There are a wide variety of compounds and options of Durometer hardness to satisfy practically any service condition. Check with our sales staff for compatibility and other material needs to best suit the application.

A standard O-Ring size is defined by inside diameter and width (cross-section) and is listed in both fractional and decimal dimensions with tolerances.

We highly recommend that in all cases, samples of a specific size and compound should be tested in a controlled, simulated test environment prior to use in production.

How to Determine an O-Ring Size:



Shrinkage Size Adjustment: Various O-Ring compounds exhibit different shrinkage rates during molding. The normal O-ring sizes herein shown are based upon a 70 Durometer Nitrile standard. For other O-ring materials, be sure to consult your Munaco Sales representative.

Gland Design Guidelines

O-Ring Gland Guidelines For Dynamic Seals

O-Ring Cross Section	Gland Depth	Squeeze		Diametrical Clearance Max.	Groove Width. ±.005			Groove Radius	Ecce-tricity Max
		Inches	%		No Backup Rings	One Backup Ring	Two Backup Rings		
.040	.031/.033	.004/.012	11-28	.004	.063	–	–	.005-.008	.002
.050	.039/.041	.006/.014	13-26	.004	.073	–	–	.005-.008	.002
.060	.047/.049	.008/.016	14-25	.004	.084	–	–	.005-.008	.002
.070	.055/.057	.010/.018	15-25	.004	.095	.150	.208	.005-.015	.002
.103	.087/.090	.010/.019	10-18	.005	.145	.187	.249	.005-.020	.003
.139	.119/.123	.012/.024	9-17	.006	.185	.222	.301	.005-.030	.004
.210	.183/.188	.017/.032	8.5-15	.006	.285	.338	.428	.005-.050	.006
.275	.234/.240	.029/.047	10.5-17	.007	.375	.440	.579	.005-.060	.008

O-Ring Gland Guidelines For Static Seals

O-Ring Cross Section	Gland Depth		Squeeze				Dia-metrical Clearance Max.	Groove Width. ±.005			Groove Radius	Eccen-tricity Max
			Radial ›○‹		Axial ↕○			No Backup Ring	One Backup Ring	Two Backup Rings		
	Radial	Axial	Inches	%	Inches	%						
.040	.027-.030	.027-.030	.007-.016	19-37	.007-.016	19-37	.003	.060	–	–	.005-.008	.002
.050	.035-.039	.034-.038	.008-.018	17-34	.009-.019	19-36	.004	.075	–	–	.005-.008	.002
.060	.042-.047	.042-.046	.010-.021	18-33	.011-.021	19-33	.004	.090	–	–	.005-.008	.002
.070	.050-.055	.049-.054	.012-.023	18-32	.013-.024	19-33	.004	.105	.150	.208	.005-.015	.002
.103	.080-.086	.075-.081	.014-.026	14-25	.019-.031	19-29	.005	.146	.182	.244	.005-.020	.003
.139	.110-.116	.100-.108	.019-.033	14-23	.027-.043	20-30	.006	.195	.217	.296	.005-.030	.004
.210	.170-.176	.155-.165	.029-.045	14-21	.040-.060	20-28	.006	.280	.333	.423	.005-.050	.006
.275	.225-.235	.205-.215	.034-.056	13-20	.054-.076	20-27	.007	.350	.435	.574	.005-.060	.008

AS-568* No.	Nominal Reference			Actual Dimensions	
	I.D.	O.D.	Width	I.D. Tol.	W. Tol.
-001	1/32	3/32	1/32	.029 ± .004	.040 ± .003
-001 1/2	1/16	1/8	1/32	.070 ± .004	.040 ± .003
-002	3/64	9/64	3/64	.042 ± .004	.050 ± .003
-003	1/16	3/16	1/16	.056 ± .004	.060 ± .003
-004	5/64	13/64	1/16	.070 ± .005	.070 ± .003
-005	3/32	7/32	1/16	.101 ± .005	.070 ± .003
-006	1/8	1/4	1/16	.114 ± .005	.070 ± .003
-007	5/32	9/32	1/16	.145 ± .005	.070 ± .003
-008	3/16	5/16	1/16	.176 ± .005	.070 ± .003
-009	7/32	11/32	1/16	.208 ± .005	.070 ± .003
-010	1/4	3/8	1/16	.239 ± .005	.070 ± .003
-011	5/16	7/16	1/16	.301 ± .005	.070 ± .003
-012	3/8	1/2	1/16	.364 ± .005	.070 ± .003
-013	7/16	9/16	1/16	.426 ± .005	.070 ± .003
-014	1/2	5/8	1/16	.489 ± .005	.070 ± .003
-015	9/16	11/16	1/16	.551 ± .007	.070 ± .003
-016	5/8	3/4	1/16	.614 ± .009	.070 ± .003
-017	11/16	13/16	1/16	.676 ± .009	.070 ± .003
-018	3/4	7/8	1/16	.739 ± .009	.070 ± .003
-019	13/16	15/16	1/16	.801 ± .009	.070 ± .003
-020	7/8	1	1/16	.864 ± .009	.070 ± .003
-021	15/16	1 1/16	1/16	.926 ± .009	.070 ± .003
-022	1	1 1/8	1/16	.989 ± .010	.070 ± .003
-023	1 1/16	1 3/16	1/16	1.051 ± .010	.070 ± .003
-024	1 1/8	1 1/4	1/16	1.114 ± .010	.070 ± .003
-025	1 3/16	1 5/16	1/16	1.176 ± .011	.070 ± .003
-026	1 1/4	1 3/8	1/16	1.239 ± .011	.070 ± .003
-027	1 5/16	1 7/16	1/16	1.301 ± .011	.070 ± .003
-028	1 3/8	1 1/2	1/16	1.364 ± .013	.070 ± .003
-029	1 1/2	1 5/8	1/16	1.489 ± .013	.070 ± .003
-030	1 5/8	1 3/4	1/16	1.614 ± .013	.070 ± .003
-031	1 3/4	1 7/8	1/16	1.739 ± .015	.070 ± .003
-032	1 7/8	2	1/16	1.864 ± .015	.070 ± .003
-033	2	2 1/8	1/16	1.989 ± .018	.070 ± .003
-034	2 1/8	2 1/4	1/16	2.114 ± .018	.070 ± .003
-035	2 1/4	2 3/8	1/16	2.239 ± .018	.070 ± .003
-036	2 3/8	2 1/2	1/16	2.364 ± .018	.070 ± .003
-037	2 1/2	2 5/8	1/16	2.489 ± .018	.070 ± .003
-038	2 5/8	2 3/4	1/16	2.614 ± .020	.070 ± .003
-039	2 3/4	2 7/8	1/16	2.739 ± .020	.070 ± .003
-040	2 7/8	3	1/16	2.864 ± .020	.070 ± .003
-041	3	3 1/8	1/16	2.989 ± .024	.070 ± .003
-042	3 1/4	3 3/8	1/16	3.239 ± .024	.070 ± .003
-043	3 1/2	3 5/8	1/16	3.489 ± .024	.070 ± .003
-044	3 3/4	3 7/8	1/16	3.739 ± .027	.070 ± .003
-045	4	4 1/8	1/16	3.989 ± .027	.070 ± .003
-046	4 1/4	4 3/8	1/16	4.239 ± .030	.070 ± .003
-047	4 1/2	4 5/8	1/16	4.489 ± .030	.070 ± .003
-048	4 3/4	4 7/8	1/16	4.739 ± .030	.070 ± .003
-049	5	5 1/8	1/16	4.989 ± .037	.070 ± .003
-050	5 1/4	5 3/8	1/16	5.239 ± .037	.070 ± .003
-102	1/16	1/4	3/32	.049 ± .005	.103 ± .003
-103	3/32	9/32	3/32	.081 ± .005	.103 ± .003
-104	1/8	5/16	3/32	.112 ± .005	.103 ± .003
-105	5/32	11/32	3/32	.143 ± .005	.103 ± .003
-106	3/16	3/8	3/32	.174 ± .005	.103 ± .003
-107	7/32	13/32	3/32	.206 ± .005	.103 ± .003
-108	1/4	7/16	3/32	.237 ± .005	.103 ± .003
-109	5/16	1/2	3/32	.299 ± .005	.103 ± .003
-110	3/8	9/16	3/32	.362 ± .005	.103 ± .003
-111	7/16	5/8	3/32	.424 ± .005	.103 ± .003
-112	1/2	11/16	3/32	.487 ± .005	.103 ± .003
-113	9/16	3/4	3/32	.549 ± .007	.103 ± .003
-114	5/8	13/16	3/32	.612 ± .009	.103 ± .003
-115	11/16	7/8	3/32	.674 ± .009	.103 ± .003
-116	3/4	15/16	3/32	.737 ± .009	.103 ± .003
-117	13/16	1	3/32	.799 ± .010	.103 ± .003
-118	7/8	1 1/16	3/32	.862 ± .010	.103 ± .003
-119	15/16	1 1/8	3/32	.924 ± .010	.103 ± .003
-120	1	1 3/16	3/32	.987 ± .010	.103 ± .003
-121	1 1/16	1 1/4	3/32	1.049 ± .010	.103 ± .003
-122	1 1/8	1 5/16	3/32	1.112 ± .010	.103 ± .003
-123	1 3/16	1 3/8	3/32	1.174 ± .012	.103 ± .003
-124	1 1/4	1 7/16	3/32	1.237 ± .012	.103 ± .003
-125	1 5/16	1 1/2	3/32	1.299 ± .012	.103 ± .003
-126	1 3/8	1 9/16	3/32	1.362 ± .012	.103 ± .003
-127	1 7/16	1 5/8	3/32	1.424 ± .012	.103 ± .003
-128	1 1/2	1 11/16	3/32	1.487 ± .012	.103 ± .003
-129	1 9/16	1 3/4	3/32	1.549 ± .015	.103 ± .003
-130	1 5/8	1 13/16	3/32	1.612 ± .015	.103 ± .003
-131	1 11/16	1 7/8	3/32	1.674 ± .015	.103 ± .003
-132	1 3/4	1 15/16	3/32	1.737 ± .015	.103 ± .003
-133	1 13/16	2	3/32	1.799 ± .015	.103 ± .003
-134	1 7/8	2 1/16	3/32	1.862 ± .015	.103 ± .003
-135	1 15/16	2 1/8	3/32	1.925 ± .017	.103 ± .003
-136	2	2 3/16	3/32	1.987 ± .017	.103 ± .003
-137	2 1/16	2 1/4	3/32	2.050 ± .017	.103 ± .003
-138	2 1/8	2 5/16	3/32	2.112 ± .017	.103 ± .003
-139	2 3/16	2 3/8	3/32	2.175 ± .017	.103 ± .003
-140	2 1/4	2 7/16	3/32	2.237 ± .017	.103 ± .003
-141	2 5/16	2 1/2	3/32	2.300 ± .020	.103 ± .003
-142	2 3/8	2 9/16	3/32	2.362 ± .020	.103 ± .003
-143	2 7/16	2 5/8	3/32	2.425 ± .020	.103 ± .003
-144	2 1/2	2 11/16	3/32	2.487 ± .020	.103 ± .003
-145	2 9/16	2 3/4	3/32	2.550 ± .020	.103 ± .003

AS-568* No.	Nominal Reference			Actual Dimensions	
	I.D.	O.D.	Width	I.D. Tol.	W. Tol.
-146	2 5/8	2 13/16	3/32	2.612 ± .020	.103 ± .003
-147	2 11/16	2 7/8	3/32	2.675 ± .022	.103 ± .003
-148	2 3/4	2 15/16	3/32	2.737 ± .022	.103 ± .003
-149	2 13/16	3	3/32	2.800 ± .022	.103 ± .003
-150	2 7/8	3 1/16	3/32	2.862 ± .022	.103 ± .003
-151	3	3 3/16	3/32	2.987 ± .024	.103 ± .003
-152	3 1/4	3 7/16	3/32	3.237 ± .024	.103 ± .003
-153	3 1/2	3 11/16	3/32	3.487 ± .024	.103 ± .003
-154	3 3/4	3 15/16	3/32	3.737 ± .028	.103 ± .003
-155	4	4 3/16	3/32	3.987 ± .028	.103 ± .003
-156	4 1/4	4 7/16	3/32	4.237 ± .030	.103 ± .003
-157	4 1/2	4 11/16	3/32	4.487 ± .030	.103 ± .003
-158	4 3/4	4 15/16	3/32	4.737 ± .030	.103 ± .003
-159	5	5 3/16	3/32	4.987 ± .035	.103 ± .003
-160	5 1/4	5 7/16	3/32	5.237 ± .035	.103 ± .003
-161	5 1/2	5 11/16	3/32	5.487 ± .035	.103 ± .003
-162	5 3/4	5 15/16	3/32	5.737 ± .035	.103 ± .003
-163	6	6 3/16	3/32	5.987 ± .035	.103 ± .003
-164	6 1/4	6 7/16	3/32	6.237 ± .040	.103 ± .003
-165	6 1/2	6 11/16	3/32	6.487 ± .040	.103 ± .003
-166	6 3/4	6 15/16	3/32	6.737 ± .040	.103 ± .003
-167	7	7 3/16	3/32	6.987 ± .040	.103 ± .003
-168	7 1/4	7 7/16	3/32	7.237 ± .045	.103 ± .003
-169	7 1/2	7 11/16	3/32	7.487 ± .045	.103 ± .003
-170	7 3/4	7 15/16	3/32	7.737 ± .045	.103 ± .003
-171	8	8 3/16	3/32	7.987 ± .045	.103 ± .003
-172	8 1/4	8 7/16	3/32	8.237 ± .050	.103 ± .003
-173	8 1/2	8 11/16	3/32	8.487 ± .050	.103 ± .003
-174	8 3/4	8 15/16	3/32	8.737 ± .050	.103 ± .003
-175	9	9 3/16	3/32	8.987 ± .050	.103 ± .003
-176	9 1/4	9 7/16	3/32	9.237 ± .055	.103 ± .003
-177	9 1/2	9 11/16	3/32	9.487 ± .055	.103 ± .003
-178	9 3/4	9 15/16	3/32	9.737 ± .055	.103 ± .003
-201	3/16	7/16	1/8	.171 ± .005	.139 ± .004
-202	1/4	1/2	1/8	.234 ± .005	.139 ± .004
-203	5/16	9/16	1/8	.296 ± .005	.139 ± .004
-204	3/8	5/8	1/8	.359 ± .005	.139 ± .004
-205	7/16	11/16	1/8	.421 ± .005	.139 ± .004
-206	1/2	3/4	1/8	.484 ± .005	.139 ± .004
-207	9/16	13/16	1/8	.546 ± .007	.139 ± .004
-208	5/8	7/8	1/8	.609 ± .009	.139 ± .004
-209	11/16	15/16	1/8	.671 ± .009	.139 ± .004
-210	3/4	1	1/8	.734 ± .010	.139 ± .004
-211	13/16	1 1/16	1/8	.796 ± .010	.139 ± .004
-212	7/8	1 1/8	1/8	.859 ± .010	.139 ± .004
-213	15/16	1 3/16	1/8	.921 ± .010	.139 ± .004
-214	1	1 1/4	1/8	.984 ± .010	.139 ± .004
-215	1 1/16	1 5/16	1/8	1.046 ± .010	.139 ± .004
-216	1 1/8	1 3/8	1/8	1.109 ± .012	.139 ± .004
-217	1 3/16	1 7/16	1/8	1.171 ± .012	.139 ± .004
-218	1 1/4	1 1/2	1/8	1.234 ± .012	.139 ± .004
-219	1 5/16	1 9/16	1/8	1.296 ± .012	.139 ± .004
-220	1 3/8	1 5/8	1/8	1.359 ± .012	.139 ± .004
-221	1 7/16	1 11/16	1/8	1.421 ± .012	.139 ± .004
-222	1 1/2	1 3/4	1/8	1.484 ± .015	.139 ± .004
-223	1 5/8	1 7/8	1/8	1.609 ± .015	.139 ± .004
-224	1 3/4	2	1/8	1.734 ± .015	.139 ± .004
-225	1 7/8	2 1/8	1/8	1.859 ± .018	.139 ± .004
-226	2	2 1/4	1/8	1.984 ± .018	.139 ± .004
-227	2 1/8	2 3/8	1/8	2.109 ± .018	.139 ± .004
-228	2 1/4	2 1/2	1/8	2.234 ± .020	.139 ± .004
-229	2 3/8	2 5/8	1/8	2.359 ± .020	.139 ± .004
-230	2 1/2	2 3/4	1/8	2.484 ± .020	.139 ± .004
-231	2 5/8	2 7/8	1/8	2.609 ± .020	.139 ± .004
-232	2 3/4	3	1/8	2.734 ± .024	.139 ± .004
-233	2 7/8	3 1/8	1/8	2.859 ± .024	.139 ± .004
-234	3	3 1/4	1/8	2.984 ± .024	.139 ± .004
-235	3 1/8	3 3/8	1/8	3.109 ± .024	.139 ± .004
-236	3 1/4	3 1/2	1/8	3.234 ± .024	.139 ± .004
-237	3 3/8	3 5/8	1/8	3.359 ± .024	.139 ± .004
-238	3 1/2	3 3/4	1/8	3.484 ± .024	.139 ± .004
-239	3 5/8	3 7/8	1/8	3.609 ± .028	.139 ± .004
-240	3 3/4	4	1/8	3.734 ± .028	.139 ± .004
-241	3 7/8	4 1/8	1/8	3.859 ± .028	.139 ± .004
-242	4	4 1/4	1/8	3.984 ± .028	.139 ± .004
-243	4 1/8	4 3/8	1/8	4.109 ± .028	.139 ± .004
-244	4 1/4	4 1/2	1/8	4.234 ± .030	.139 ± .004
-245	4 3/8	4 5/8	1/8	4.359 ± .030	.139 ± .004
-246	4 1/2	4 3/4	1/8	4.484 ± .030	.139 ± .004
-247	4 5/8	4 7/8	1/8	4.609 ± .030	.139 ± .004
-248	4 3/4	5	1/8	4.734 ± .030	.139 ± .004
-249	4 7/8	5 1/8	1/8	4.859 ± .035	.139 ± .004
-250	5	5 1/4	1/8	4.984 ± .035	.139 ± .004
-251	5 1/8	5 3/8	1/8	5.109 ± .035	.139 ± .004
-252	5 1/4	5 1/2	1/8	5.234 ± .035	.139 ± .004
-253	5 3/8	5 5/8	1/8	5.359 ± .035	.139 ± .004
-254	5 1/2	5 3/4	1/8	5.484 ± .035	.139 ± .004
-255	5 5/8	5 7/8	1/8	5.609 ± .035	.139 ± .004
-256	5 3/4	6	1/8	5.734 ± .035	.139 ± .004
-257	5 7/8	6 1/8	1/8	5.859 ± .035	.139 ± .004
-258	6	6 1/4	1/8	5.984 ± .035	.139 ± .004
-259	6 1/4	6 1/2	1/8	6.234 ± .040	.139 ± .004
-260	6 1/2	6 3/4	1/8	6.484 ± .040	.139 ± .004
-261	6 3/4	7	1/8	6.734 ± .040	.139 ± .004
-262	7	7 1/4	1/8	6.984 ± .040	.139 ± .004

*Note: The current revision of the Standard is "C" but it changes periodically.

AS-568* No.	Nominal Reference			Actual Dimensions	
	I.D.	O.D.	Width	I.D. Tol.	W. Tol.
-263	7 1/4	7 1/2	1/8	7.234 ± .045	.139 ± .004
-264	7 1/2	7 3/4	1/8	7.484 ± .045	.139 ± .004
-265	7 3/4	8	1/8	7.734 ± .045	.139 ± .004
-266	8	8 1/4	1/8	7.984 ± .045	.139 ± .004
-267	8 1/4	8 1/2	1/8	8.234 ± .050	.139 ± .004
-268	8 1/2	8 3/4	1/8	8.484 ± .050	.139 ± .004
-269	8 3/4	9	1/8	8.734 ± .050	.139 ± .004
-270	9	9 1/4	1/8	8.984 ± .050	.139 ± .004
-271	9 1/4	9 1/2	1/8	9.234 ± .055	.139 ± .004
-272	9 1/2	9 3/4	1/8	9.484 ± .055	.139 ± .004
-273	9 3/4	10	1/8	9.734 ± .055	.139 ± .004
-274	10	10 1/4	1/8	9.984 ± .055	.139 ± .004
-275	10 1/2	10 3/4	1/8	10.484 ± .055	.139 ± .004
-276	11	11 1/4	1/8	10.984 ± .065	.139 ± .004
-277	11 1/2	11 3/4	1/8	11.484 ± .065	.139 ± .004
-278	12	12 1/4	1/8	11.984 ± .065	.139 ± .004
-279	13	13 1/4	1/8	12.984 ± .065	.139 ± .004
-280	14	14 1/4	1/8	13.984 ± .065	.139 ± .004
-281	15	15 1/4	1/8	14.984 ± .065	.139 ± .004
-282	16	16 1/4	1/8	15.955 ± .075	.139 ± .004
-283	17	17 1/4	1/8	16.955 ± .080	.139 ± .004
-284	18	18 1/4	1/8	17.955 ± .085	.139 ± .004
-309	7/16	13/16	3/16	.412 ± .005	.210 ± .005
-310	1/2	7/8	3/16	.475 ± .005	.210 ± .005
-311	9/16	15/16	3/16	.537 ± .007	.210 ± .005
-312	5/8	1	3/16	.600 ± .009	.210 ± .005
-313	11/16	1 1/16	3/16	.662 ± .009	.210 ± .005
-314	3/4	1 1/8	3/16	.725 ± .010	.210 ± .005
-315	13/16	1 3/16	3/16	.787 ± .010	.210 ± .005
-316	7/8	1 1/4	3/16	.850 ± .010	.210 ± .005
-317	15/16	1 5/16	3/16	.912 ± .010	.210 ± .005
-318	1	1 3/8	3/16	.975 ± .010	.210 ± .005
-319	1 1/16	1 7/16	3/16	1.037 ± .010	.210 ± .005
-320	1 1/8	1 1/2	3/16	1.100 ± .012	.210 ± .005
-321	1 3/16	1 9/16	3/16	1.162 ± .012	.210 ± .005
-322	1 1/4	1 5/8	3/16	1.225 ± .012	.210 ± .005
-323	1 5/16	1 11/16	3/16	1.287 ± .012	.210 ± .005
-324	1 3/8	1 3/4	3/16	1.350 ± .012	.210 ± .005
-325	1 1/2	1 7/8	3/16	1.475 ± .015	.210 ± .005
-326	1 5/8	2	3/16	1.600 ± .015	.210 ± .005
-327	1 3/4	2 1/8	3/16	1.725 ± .015	.210 ± .005
-328	1 7/8	2 1/4	3/16	1.850 ± .015	.210 ± .005
-329	2	2 3/8	3/16	1.975 ± .018	.210 ± .005
-330	2 1/8	2 1/2	3/16	2.100 ± .018	.210 ± .005
-331	2 1/4	2 5/8	3/16	2.225 ± .018	.210 ± .005
-332	2 3/8	2 3/4	3/16	2.350 ± .018	.210 ± .005
-333	2 1/2	2 7/8	3/16	2.475 ± .020	.210 ± .005
-334	2 5/8	3	3/16	2.600 ± .020	.210 ± .005
-335	2 3/4	3 1/8	3/16	2.725 ± .020	.210 ± .005
-336	2 7/8	3 1/4	3/16	2.850 ± .020	.210 ± .005
-337	3	3 3/8	3/16	2.975 ± .024	.210 ± .005
-338	3 1/8	3 1/2	3/16	3.100 ± .024	.210 ± .005
-339	3 1/4	3 5/8	3/16	3.225 ± .024	.210 ± .005
-340	3 3/8	3 3/4	3/16	3.350 ± .024	.210 ± .005
-341	3 1/2	3 7/8	3/16	3.475 ± .024	.210 ± .005
-342	3 5/8	4	3/16	3.600 ± .028	.210 ± .005
-343	3 3/4	4 1/8	3/16	3.725 ± .028	.210 ± .005
-344	3 7/8	4 1/4	3/16	3.850 ± .028	.210 ± .005
-345	4	4 3/8	3/16	3.975 ± .028	.210 ± .005
-346	4 1/8	4 1/2	3/16	4.100 ± .028	.210 ± .005
-347	4 1/4	4 5/8	3/16	4.225 ± .030	.210 ± .005
-348	4 3/8	4 3/4	3/16	4.350 ± .030	.210 ± .005
-349	4 1/2	4 7/8	3/16	4.475 ± .030	.210 ± .005
-350	4 5/8	5	3/16	4.600 ± .030	.210 ± .005
-351	4 3/4	5 1/8	3/16	4.725 ± .030	.210 ± .005
-352	4 7/8	5 1/4	3/16	4.850 ± .030	.210 ± .005
-353	5	5 3/8	3/16	4.975 ± .037	.210 ± .005
-354	5 1/8	5 1/2	3/16	5.100 ± .037	.210 ± .005
-355	5 1/4	5 5/8	3/16	5.225 ± .037	.210 ± .005
-356	5 3/8	5 3/4	3/16	5.350 ± .037	.210 ± .005
-357	5 1/2	5 7/8	3/16	5.475 ± .037	.210 ± .005
-358	5 5/8	6	3/16	5.600 ± .037	.210 ± .005
-359	5 3/4	6 1/8	3/16	5.725 ± .037	.210 ± .005
-360	5 7/8	6 1/4	3/16	5.850 ± .037	.210 ± .005
-361	6	6 3/8	3/16	5.975 ± .037	.210 ± .005
-362	6 1/4	6 5/8	3/16	6.225 ± .040	.210 ± .005
-363	6 1/2	6 7/8	3/16	6.475 ± .040	.210 ± .005
-364	6 3/4	7 1/8	3/16	6.725 ± .040	.210 ± .005
-365	7	7 3/8	3/16	6.975 ± .040	.210 ± .005
-366	7 1/4	7 5/8	3/16	7.225 ± .045	.210 ± .005
-367	7 1/2	7 7/8	3/16	7.475 ± .045	.210 ± .005
-368	7 3/4	8 1/8	3/16	7.725 ± .045	.210 ± .005
-369	8	8 3/8	3/16	7.975 ± .045	.210 ± .005
-370	8 1/4	8 5/8	3/16	8.225 ± .050	.210 ± .005
-371	8 1/2	8 7/8	3/16	8.475 ± .050	.210 ± .005
-372	8 3/4	9 1/8	3/16	8.725 ± .050	.210 ± .005
-373	9	9 3/8	3/16	8.975 ± .050	.210 ± .005
-374	9 1/4	9 5/8	3/16	9.225 ± .055	.210 ± .005
-375	9 1/2	9 7/8	3/16	9.475 ± .055	.210 ± .005
-376	9 3/4	10 1/8	3/16	9.725 ± .055	.210 ± .005
-377	10	10 3/8	3/16	9.975 ± .055	.210 ± .005
-378	10 1/2	10 7/8	3/16	10.475 ± .060	.210 ± .005
-379	11	11 3/8	3/16	10.975 ± .060	.210 ± .005
-380	11 1/2	11 7/8	3/16	11.475 ± .065	.210 ± .005
-381	12	12 3/8	3/16	11.975 ± .065	.210 ± .005

*Note: The current revision of the Standard is "C" but it changes periodically.

AS-568* No.	Nominal Reference			Actual Dimensions	
	I.D.	O.D.	Width	I.D. Tol.	W. Tol.
-382	13	13 3/8	3/16	12.975 ± .065	.210 ± .005
-383	14	14 3/8	3/16	13.975 ± .070	.210 ± .005
-384	15	15 3/8	3/16	14.975 ± .070	.210 ± .005
-385	16	16 3/8	3/16	15.955 ± .075	.210 ± .005
-386	17	17 3/8	3/16	16.955 ± .080	.210 ± .005
-387	18	18 3/8	3/16	17.955 ± .085	.210 ± .005
-388	19	19 3/8	3/16	18.955 ± .090	.210 ± .005
-389	20	20 3/8	3/16	19.955 ± .095	.210 ± .005
-390	21	21 3/8	3/16	20.955 ± .095	.210 ± .005
-391	22	22 3/8	3/16	21.955 ± .100	.210 ± .005
-392	23	23 3/8	3/16	22.940 ± .105	.210 ± .005
-393	24	24 3/8	3/16	23.940 ± .110	.210 ± .005
-394	25	25 3/8	3/16	24.940 ± .115	.210 ± .005
-395	26	26 3/8	3/16	25.940 ± .120	.210 ± .005
-425	4 1/2	5	1/4	4.475 ± .033	.275 ± .006
-426	4 5/8	5 1/8	1/4	4.600 ± .033	.275 ± .006
-427	4 3/4	5 1/4	1/4	4.725 ± .033	.275 ± .006
-428	4 7/8	5 3/8	1/4	4.850 ± .033	.275 ± .006
-429	5	5 1/2	1/4	4.975 ± .037	.275 ± .006
-430	5 1/8	5 5/8	1/4	5.100 ± .037	.275 ± .006
-431	5 1/4	5 3/4	1/4	5.225 ± .037	.275 ± .006
-432	5 3/8	5 7/8	1/4	5.350 ± .037	.275 ± .006
-433	5 1/2	6	1/4	5.475 ± .037	.275 ± .006
-434	5 5/8	6 1/8	1/4	5.600 ± .037	.275 ± .006
-435	5 3/4	6 1/4	1/4	5.725 ± .037	.275 ± .006
-436	5 7/8	6 3/8	1/4	5.850 ± .037	.275 ± .006
-437	6	6 1/2	1/4	5.975 ± .037	.275 ± .006
-438	6 1/4	6 3/4	1/4	6.225 ± .040	.275 ± .006
-439	6 1/2	7	1/4	6.475 ± .040	.275 ± .006
-440	6 3/4	7 1/4	1/4	6.725 ± .040	.275 ± .006
-441	7	7 1/2	1/4	6.975 ± .040	.275 ± .006
-442	7 1/4	7 3/4	1/4	7.225 ± .045	.275 ± .006
-443	7 1/2	8	1/4	7.475 ± .045	.275 ± .006
-444	7 3/4	8 1/4	1/4	7.725 ± .045	.275 ± .006
-445	8	8 1/2	1/4	7.975 ± .045	.275 ± .006
-446	8 1/2	9	1/4	8.475 ± .055	.275 ± .006
-447	9	9 1/2	1/4	8.975 ± .055	.275 ± .006
-448	9 1/2	10	1/4	9.475 ± .055	.275 ± .006
-449	10	10 1/2	1/4	9.975 ± .055	.275 ± .006
-450	10 1/2	11	1/4	10.475 ± .060	.275 ± .006
-451	11	11 1/2	1/4	10.975 ± .060	.275 ± .006
-452	11 1/2	12	1/4	11.475 ± .060	.275 ± .006
-453	12	12 1/2	1/4	11.975 ± .060	.275 ± .006
-454	12 1/2	13	1/4	12.475 ± .060	.275 ± .006
-455	13	13 1/2	1/4	12.975 ± .060	.275 ± .006
-456	13 1/2	14	1/4	13.475 ± .070	.275 ± .006
-457	14	14 1/2	1/4	13.975 ± .070	.275 ± .006
-458	14 1/4	15	1/4	14.475 ± .070	.275 ± .006
-459	15	15 1/2	1/4	14.975 ± .070	.275 ± .006
-460	15 1/2	16	1/4	15.475 ± .070	.275 ± .006
-461	16	16 1/2	1/4	15.955 ± .075	.275 ± .006
-462	16 1/2	17	1/4	16.455 ± .075	.275 ± .006
-463	17	17 1/2	1/4	16.955 ± .080	.275 ± .006
-464	17 1/2	18	1/4	17.455 ± .085	.275 ± .006
-465	18	18 1/2	1/4	17.955 ± .085	.275 ± .006
-466	18 1/2	19	1/4	18.455 ± .085	.275 ± .006
-467	19	19 1/2	1/4	18.955 ± .090	.275 ± .006
-468	19 1/2	20	1/4	19.455 ± .090	.275 ± .006
-469	20	20 1/2	1/4	19.955 ± .090	.275 ± .006
-470	21	21 1/2	1/4	20.955 ± .090	.275 ± .006
-471	22	22 1/2	1/4	21.955 ± .100	.275 ± .006
-472	23	23 1/2	1/4	22.940 ± .105	.275 ± .006
-473	24	24 1/2	1/4	23.940 ± .110	.275 ± .006
-474	25	25 1/2	1/4	24.940 ± .115	.275 ± .006
-475	26	26 1/2	1/4	25.940 ± .120	.275 ± .006

Standard O-Ring Boss Gaskets For Straight Thread Tube Fittings

AS-568* No.	Tube Size (O.D.) Fractional	Actual Dimensions	
		I.D. Tol.	W. Tol.
-901	3/32	.185 ±.005	.056 ±.003
-902	1/8	.239 ±.005	.064 ±.003
-903	3/16	.301 ±.005	.064 ±.003
-904	1/4	.351 ±.005	.072 ±.003
-905	5/16	.414 ±.005	.072 ±.003
-906	3/8	.468 ±.005	.078 ±.003
-907	7/16	.530 ±.007	.082 ±.003
-908	1/2	.644 ±.009	.087 ±.003
-909	9/16	.706 ±.009	.097 ±.003
-910	5/8	.755 ±.009	.097 ±.003
-911	11/16	.863 ±.009	.116 ±.004
-912	3/4	.924 ±.009	.116 ±.004
-913	13/16	.986 ±.010	.116 ±.004
-914	7/8	1.047 ±.010	.116 ±.004
-916	1	1.171 ±.010	.116 ±.004
-918	1 1/8	1.355 ±.012	.116 ±.004
-920	1 1/4	1.475 ±.014	.118 ±.004
-924	1 1/2	1.720 ±.014	.118 ±.004
-928	1 3/4	2.090 ±.018	.118 ±.004
-932	2	2.337 ±.018	.118 ±.004

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- Rubber Sponge-Open & Closed Cell
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