

## O-Rings Chart



For Quote, Prototype, or any further questions  
please call us at 614-841-4400 or email us at  
[info@elastostar.com](mailto:info@elastostar.com)

# Silicone

## Food Grade

- Consistent With FDA Regulation 21CFR177.2600
- For Food Contact
- NSF-51 Certified
- Animal Fat And Chemical Resistant

## High Temperature

## Medical Grade

- USP-VI Compounds

## MIL Spec.

- ZZ-R-765
- A-A 59588
- AMS 3304
- ASTMD2000 GE

## Industrial

## Dense

- 20-85 Shore A Durometer

### Industries We Serve:

Automotive

Biomedical

Electronics

Fire Suppressions

Fluid Powers

Food/FDA/NSF

Military/Defense

Oil/Chemical

Semiconductor

### Popular Profiles:

X shape

Square shape

Hollow Round

Solid Round

Custom Shape

## General Application

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

To Determine Material:

1. Determine end use: static (stationary) or dynamic (moving).
2. List the substance that the seal will be exposed to and check O-Ring material resistances in Chemical Compatibility Table(s) listed in the Apple Seal Design Guide.
3. List ALL factors of seal application and check material performance.
  - A. Pressure: determines material hardness and selection.
  - B. Heat/Cold: check material temperature range(s).
  - C. Friction: determines material hardness and selection.
  - D. Permeability: important for pneumatic and vacuum applications.
4. Economy: see General Properties chart located in the Apple Seal Design Guide for most economical choice when several materials will do.

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

**Fluorosilicone:** In the Fluorosilicone family, you will find compounds that make up seals that are unparalleled for aerospace fuel systems and auto fuel emission control systems.

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

**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



**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.

**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.

For Quote, Prototype, or any further questions please call us at 614-841-4400 or email us at [info@elastostar.com](mailto:info@elastostar.com)

# General Application

Materials	ESR Designs	Durometers (Shore A)	Temperature Range Dry Heat Only	Descriptions
Silicone (MQ; PMQ; VMQ; PVMQ)	SL	20 to 80	-65 to +200 °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
Buna-N/Nitrile (NBR)	BN	40 thru 90	-40 to +125 °C	Presently the seal industry's most widely used elastomer. 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)	EP	40 thru 90	40 to +135 °C	Featuring good resistance to such polar solvents as ketones (MEK & Acetone). EPDM is also highly recommended for effective resistance to steam, hot water, silicone oils and greases, dilute acids and alkalis, alcohols and automotive brake fluids. Properly compounded, Ethylene Propylene can provide extended temperature range of -60 °C to +176 °C.
Neoprene® (Chloroprene) (CR)	CR	40 thru 90	-40 to +121 °C	An early developed, 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®) (Fluorel®) (FKM)	VT	55 thru 95	-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.
Fluorosilicone (FVMQ)	FS	40 thru 80	-60 to +200 °C	Combining the good high and low temperature stability of Silicones with the fuel, oil, and solvent resistance of fluorocarbons. FS compounds feature good compression set and resilience properties. FS compounds are suitable for exposure to air, sunlight, ozone, chlorinated and aromatic hydrocarbons.

For Quote, Prototype, or any further questions  
please call us at 614-841-4400 or email us at  
[info@elastostar.com](mailto:info@elastostar.com)



AS568 #	Actual I.D. Inches	Actual C.S. Inches	Actual I.D. Millimeters	Actual C.S. Millimeters	Nominal Reference I.D.	Nominal Reference C.S.	Nominal Reference O.D.
-151	2.987±.024	.103±.003	75.87±0.61	2.62±0.08	3	3/32	3-3/16
-152	3.237±.024	.103±.003	82.22±0.61	2.62±0.08	3-1/4	3/32	3-7/16
-153	3.487±.024	.103±.003	88.57±0.61	2.62±0.08	3-1/2	3/32	3-11/16
-154	3.737±.028	.103±.003	94.92±0.71	2.62±0.08	3-3/4	3/32	3-15/16
-155	3.987±.028	.103±.003	101.27±0.71	2.62±0.08	4	3/32	4-3/16
-156	4.237±.030	.103±.003	107.62±0.76	2.62±0.08	4-1/4	3/32	4-7/16
-157	4.487±.030	.103±.003	113.97±0.76	2.62±0.08	4-1/2	3/32	4-11/16
-158	4.737±.030	.103±.003	120.32±0.76	2.62±0.08	4-3/4	3/32	4-15/16
-159	4.987±.035	.103±.003	126.67±0.89	2.62±0.08	5	3/32	5-3/16
-160	5.237±.035	.103±.003	133.02±0.89	2.62±0.08	5-1/4	3/32	5-7/16
-161	5.487±.035	.103±.003	139.37±0.89	2.62±0.08	5-1/2	3/32	5-11/16
-162	5.737±.035	.103±.003	145.72±0.89	2.62±0.08	5-3/4	3/32	5-15/16
-163	5.987±.035	.103±.003	152.07±0.89	2.62±0.08	6	3/32	6-3/16
-164	6.237±.040	.103±.003	158.42±1.02	2.62±0.08	6-1/4	3/32	6-7/16
-165	6.487±.040	.103±.003	164.77±1.02	2.62±0.08	6-1/2	3/32	6-11/16
-166	6.737±.040	.103±.003	171.12±1.02	2.62±0.08	6-3/4	3/32	6-15/16
-167	6.987±.040	.103±.003	177.47±1.02	2.62±0.08	7	3/32	7-3/16
-168	7.237±.045	.103±.003	183.82±1.14	2.62±0.08	7-1/4	3/32	7-7/16
-169	7.487±.045	.103±.003	190.17±1.14	2.62±0.08	7-1/2	3/32	7-11/16
-170	7.737±.045	.103±.003	196.52±1.14	2.62±0.08	7-3/4	3/32	7-15/16
-171	7.987±.045	.103±.003	202.87±1.14	2.62±0.08	8	3/32	8-3/16
-172	8.237±.050	.103±.003	209.22±1.27	2.62±0.08	8-1/4	3/32	8-7/16
-173	8.487±.050	.103±.003	215.57±1.27	2.62±0.08	8-1/2	3/32	8-11/16
-174	8.737±.050	.103±.003	221.92±1.27	2.62±0.08	8-3/4	3/32	8-15/16
-175	8.987±.050	.103±.003	228.27±1.27	2.62±0.08	9	3/32	9-3/16
-176	9.237±.055	.103±.003	234.62±1.40	2.62±0.08	9-1/4	3/32	9-7/16
-177	9.487±.055	.103±.003	240.97±1.40	2.62±0.08	9-1/2	3/32	9-11/16
-178	9.737±.055	.103±.003	247.32±1.40	2.62±0.08	9-3/4	3/32	9-15/16

AS568 #	Actual I.D. Inches	Actual C.S. Inches	Actual I.D. Millimeters	Actual C.S. Millimeters	Nominal Reference I.D.	Nominal Reference C.S.	Nominal Reference O.D.
-201	.171±.005	.139±.004	4.34±0.13	3.53±0.10	3/16	1/8	7/16
-202	.234±.005	.139±.004	5.94±0.13	3.53±0.10	1/4	1/8	1/2
-203	.296±.005	.139±.004	7.52±0.13	3.53±0.10	5/16	1/8	9/16
-204	.359±.005	.139±.004	9.12±0.13	3.53±0.10	3/8	1/8	5/8
-205	.421±.005	.139±.004	10.69±0.13	3.53±0.10	7/16	1/8	11/16
-206	.484±.005	.139±.004	12.29±0.13	3.53±0.10	1/2	1/8	3/4
-207	.546±.007	.139±.004	13.87±0.17	3.53±0.10	9/16	1/8	13/16
-208	.609±.009	.139±.004	15.47±0.23	3.53±0.10	5/8	1/8	7/8
-209	.671±.009	.139±.004	17.04±0.23	3.53±0.10	11/16	1/8	15/16
-210	.734±.010	.139±.004	18.64±0.25	3.53±0.10	3/4	1/8	1
-211	.796±.010	.139±.004	20.22±0.25	3.53±0.10	13/16	1/8	1-1/16
-212	.859±.010	.139±.004	21.82±0.25	3.53±0.10	7/8	1/8	1-1/8
-213	.921±.010	.139±.004	23.39±0.25	3.53±0.10	15/16	1/8	1-3/16
-214	.984±.010	.139±.004	25.00±0.25	3.53±0.10	1	1/8	1-1/4
-215	1.046±.010	.139±.004	26.57±0.25	3.53±0.10	1-1/16	1/8	1-5/16
-216	1.109±.012	.139±.004	28.17±0.30	3.53±0.10	1-1/8	1/8	1-3/8
-217	1.171±.012	.139±.004	29.74±0.30	3.53±0.10	1-3/16	1/8	1-7/16
-218	1.234±.012	.139±.004	31.34±0.30	3.53±0.10	1-1/4	1/8	1-1/2
-219	1.296±.012	.139±.004	32.92±0.30	3.53±0.10	1-5/16	1/8	1-9/16
-220	1.359±.012	.139±.004	34.52±0.30	3.53±0.10	1-3/8	1/8	1-5/8
-221	1.421±.012	.139±.004	36.09±0.30	3.53±0.10	1-7/16	1/8	1-11/16
-222	1.484±.015	.139±.004	37.69±0.38	3.53±0.10	1-1/2	1/8	1-3/4
-223	1.609±.015	.139±.004	40.87±0.38	3.53±0.10	1-5/8	1/8	1-7/8
-224	1.734±.015	.139±.004	44.04±0.38	3.53±0.10	1-3/4	1/8	2
-225	1.859±.018	.139±.004	47.22±0.46	3.53±0.10	1-7/8	1/8	2-1/8
-226	1.984±.018	.139±.004	50.39±0.46	3.53±0.10	2	1/8	2-1/4
-227	2.109±.018	.139±.004	53.57±0.46	3.53±0.10	2-1/8	1/8	2-3/8
-228	2.234±.020	.139±.004	56.74±0.50	3.53±0.10	2-1/4	1/8	2-1/2
-229	2.359±.020	.139±.004	59.92±0.50	3.53±0.10	2-3/8	1/8	2-5/8
-230	2.484±.020	.139±.004	63.09±0.50	3.53±0.10	2-1/2	1/8	2-3/4
-231	2.609±.020	.139±.004	66.27±0.50	3.53±0.10	2-5/8	1/8	2-7/8
-232	2.734±.024	.139±.004	69.44±0.61	3.53±0.10	2-3/4	1/8	3
-233	2.859±.024	.139±.004	72.62±0.61	3.53±0.10	2-7/8	1/8	3-1/8
-234	2.984±.024	.139±.004	75.79±0.61	3.53±0.10	3	1/8	3-1/4
-235	3.109±.024	.139±.004	78.97±0.61	3.53±0.10	3-1/8	1/8	3-3/8
-236	3.234±.024	.139±.004	82.14±0.61	3.53±0.10	3-1/4	1/8	3-1/2
-237	3.359±.024	.139±.004	85.32±0.61	3.53±0.10	3-3/8	1/8	3-5/8
-238	3.484±.024	.139±.004	88.49±0.61	3.53±0.10	3-1/2	1/8	3-3/4
-239	3.609±.028	.139±.004	91.67±0.71	3.53±0.10	3-5/8	1/8	3-7/8
-240	3.734±.028	.139±.004	94.84±0.71	3.53±0.10	3-3/4	1/8	4
-241	3.859±.028	.139±.004	98.02±0.71	3.53±0.10	3-7/8	1/8	4-1/8
-242	3.984±.028	.139±.004	101.19±0.71	3.53±0.10	4	1/8	4-1/4
-243	4.109±.028	.139±.004	104.37±0.71	3.53±0.10	4-1/8	1/8	4-3/8
-244	4.234±.030	.139±.004	107.54±0.76	3.53±0.10	4-1/4	1/8	4-1/2
-245	4.359±.030	.139±.004	110.72±0.76	3.53±0.10	4-3/8	1/8	4-5/8
-246	4.484±.030	.139±.004	113.89±0.76	3.53±0.10	4-1/2	1/8	4-3/4
-247	4.609±.030	.139±.004	117.07±0.76	3.53±0.10	4-5/8	1/8	4-7/8
-248	4.734±.030	.139±.004	120.24±0.76	3.53±0.10	4-3/4	1/8	5
-249	4.859±.035	.139±.004	123.42±0.89	3.53±0.10	4-7/8	1/8	5-1/8
-250	4.984±.035	.139±.004	126.59±0.89	3.53±0.10	5	1/8	5-1/4

For Quote, Prototype, or any further questions  
please call us at 614-841-4400 or email us at  
[info@elastostar.com](mailto:info@elastostar.com)

AS568 #	Actual I.D. Inches	Actual C.S. Inches	Actual I.D. Millimeters	Actual C.S. Millimeters	Nominal Reference I.D.	Nominal Reference C.S.	Nominal Reference O.D.
-251	5.109±.035	.139±.004	129.77±0.89	3.53±0.10	5-1/8	1/8	5-3/8
-252	5.234±.035	.139±.004	132.94±0.89	3.53±0.10	5-1/4	1/8	5-1/2
-253	5.359±.035	.139±.004	136.12±0.89	3.53±0.10	5-3/8	1/8	5-5/8
-254	5.484±.035	.139±.004	139.29±0.89	3.53±0.10	5-1/2	1/8	5-3/4
-255	5.609±.035	.139±.004	142.47±0.89	3.53±0.10	5-5/8	1/8	5-7/8
-256	5.734±.035	.139±.004	145.65±0.89	3.53±0.10	5-3/4	1/8	6
-257	5.859±.035	.139±.004	148.82±0.89	3.53±0.10	5-7/8	1/8	6-1/8
-258	5.984±.035	.139±.004	151.99±0.89	3.53±0.10	6	1/8	6-1/4
-259	6.234±.040	.139±.004	158.34±1.02	3.53±0.10	6-1/4	1/8	6-1/2
-260	6.484±.040	.139±.004	164.69±1.02	3.53±0.10	6-1/2	1/8	6-3/4
-261	6.734±.040	.139±.004	171.04±1.02	3.53±0.10	6-3/4	1/8	7
-262	6.984±.040	.139±.004	177.39±1.02	3.53±0.10	7	1/8	7-1/4
-263	7.234±.045	.139±.004	183.74±1.14	3.53±0.10	7-1/4	1/8	7-1/2
-264	7.484±.045	.139±.004	190.09±1.14	3.53±0.10	7-1/2	1/8	7-3/4
-265	7.734±.045	.139±.004	196.44±1.14	3.53±0.10	7-3/4	1/8	8
-266	7.984±.045	.139±.004	202.79±1.14	3.53±0.10	8	1/8	8-1/4
-267	8.234±.050	.139±.004	209.14±1.27	3.53±0.10	8-1/4	1/8	8-1/2
-268	8.484±.050	.139±.004	215.49±1.27	3.53±0.10	8-1/2	1/8	8-3/4
-269	8.734±.050	.139±.004	221.84±1.27	3.53±0.10	8-3/4	1/8	9
-270	8.984±.050	.139±.004	228.19±1.27	3.53±0.10	9	1/8	9-1/4
-271	9.234±.055	.139±.004	234.54±1.40	3.53±0.10	9-1/4	1/8	9-1/2
-272	9.484±.055	.139±.004	240.89±1.40	3.53±0.10	9-1/2	1/8	9-3/4
-273	9.734±.055	.139±.004	247.24±1.40	3.53±0.10	9-3/4	1/8	10
-274	9.984±.055	.139±.004	253.59±1.40	3.53±0.10	10	1/8	10-1/4
-275	10.484±.05	.139±.004	266.29±1.40	3.53±0.10	10-1/2	1/8	10-3/4
-276	10.984±.05	.139±.004	278.99±1.65	3.53±0.10	11	1/8	11-1/4
-277	11.484±.05	.139±.004	291.69±1.65	3.53±0.10	11-1/2	1/8	11-3/4
-278	11.984±.05	.139±.004	304.39±1.65	3.53±0.10	12	1/8	12-1/4
-279	12.984±.05	.139±.004	329.79±1.65	3.53±0.10	13	1/8	13-1/4
-280	13.984±.05	.139±.004	355.19±1.65	3.53±0.10	14	1/8	14-1/4
-281	14.984±.05	.139±.004	380.59±1.65	3.53±0.10	15	1/8	15-1/4
-282	15.955±.075	.139±.004	405.26±1.91	3.53±0.10	16	1/8	16-1/4
-283	16.955±.00	.139±.004	430.66±2.03	3.53±0.10	17	1/8	17-1/4
-284	17.955±.085	.139±.004	456.06±2.16	3.53±0.10	18	1/8	18-1/4

AS568 #	Actual I.D. Inches	Actual C.S. Inches	Actual I.D. Millimeters	Actual C.S. Millimeters	Nominal Reference I.D.	Nominal Reference C.S.	Nominal Reference O.D.
-309	.412±.005	.210±.005	10.46±0.13	5.33±0.13	7/16	3/16	13/16
-310	.475±.005	.210±.005	12.07±0.13	5.33±0.13	1/2	3/16	7/8
-311	.537±.007	.210±.005	13.64±0.18	5.33±0.13	9/16	3/16	15-16
-312	.600±.009	.210±.005	15.24±0.23	5.33±0.13	5/8	3/16	1
-313	.662±.009	.210±.005	16.81±0.23	5.33±0.13	11-16	3/16	1-1/16
-314	.725±.010	.210±.005	18.42±0.25	5.33±0.13	3/4	3/16	1-1/8
-315	.787±.010	.210±.005	19.99±0.25	5.33±0.13	13/16	3/16	1-3/6
-316	.850±.010	.210±.005	21.59±0.25	5.33±0.13	7/8	3/16	1-1/4
-317	.912±.010	.210±.005	23.16±0.25	5.33±0.13	15/16	3/16	1-5/16
-318	.975±.010	.210±.005	24.77±0.25	5.33±0.13	1	3/16	1-3/8
-319	1.037±.010	.210±.005	26.34±0.25	5.33±0.13	1-1/16	3/16	1-7/16
-320	1.100±.012	.210±.005	27.94±0.30	5.33±0.13	1-1/8	3/16	1-1/2
-321	1.162±.012	.210±.005	29.51±0.30	5.33±0.13	1-3/16	3/16	1-9/16
-322	1.225±.012	.210±.005	31.12±0.30	5.33±0.13	1-1/4	3/16	1-5/8
-323	1.287±.012	.210±.005	32.69±0.30	5.33±0.13	1-5/16	3/16	1-11/16
-324	1.350±.012	.210±.005	34.29±0.30	5.33±0.13	1-3/8	3/16	1-3/4
-325	1.475±.015	.210±.005	37.47±0.38	5.33±0.13	1-1/2	3/16	1-7/8
-326	1.600±.015	.210±.005	40.64±0.38	5.33±0.13	1-5/8	3/16	2
-327	1.725±.015	.210±.005	43.82±0.38	5.33±0.13	1-3/4	3/16	2-1/8
-328	1.850±.015	.210±.005	46.99±0.38	5.33±0.13	1-7/8	3/16	2-1/4
-329	1.975±.018	.210±.005	50.17±0.46	5.33±0.13	2	3/16	2-3/8
-330	2.100±.018	.210±.005	53.34±0.46	5.33±0.13	2-1/8	3/16	2-1/2
-331	2.225±.018	.210±.005	56.52±0.46	5.33±0.13	2-1/4	3/16	2-5/8
-332	2.350±.018	.210±.005	59.69±0.46	5.33±0.13	2-3/8	3/16	2-3/4
-333	2.475±.020	.210±.005	62.87±0.51	5.33±0.13	2-1/2	3/16	2-7/8
-334	2.600±.020	.210±.005	66.04±0.51	5.33±0.13	2-5/8	3/16	3
-335	2.725±.020	.210±.005	69.22±0.51	5.33±0.13	2-3/4	3/16	3-1/8
-336	2.850±.020	.210±.005	72.39±0.51	5.33±0.13	2-7/8	3/16	3-1/4
-337	2.975±.024	.210±.005	75.57±0.61	5.33±0.13	3	3/16	3-3/8
-338	3.100±.024	.210±.005	78.74±0.61	5.33±0.13	3-1/8	3/16	3-1/2
-339	3.225±.024	.210±.005	91.92±0.61	5.33±0.13	3-1/4	3/16	3-5/8
-340	3.350±.024	.210±.005	85.09±0.61	5.33±0.13	3-3/8	3/16	3-3/4
-341	3.475±.024	.210±.005	88.27±0.61	5.33±0.13	3-1/2	3/16	3-7/8
-342	3.600±.028	.210±.005	91.44±0.71	5.33±0.13	3-5/8	3/16	4
-343	3.725±.028	.210±.005	94.62±0.71	5.33±0.13	3-3/4	3/16	4-1/8
-344	3.850±.028	.210±.005	97.79±0.71	5.33±0.13	3-7/8	3/16	4-1/4
-345	3.975±.028	.210±.005	100.97±0.71	5.33±0.13	4	3/16	4-3/8
-346	4.100±.028	.210±.005	104.14±0.71	5.33±0.13	4-1/8	3/16	4-1/2
-347	4.225±.030	.210±.005	107.32±0.76	5.33±0.13	4-1/4	3/16	4-5/8
-348	4.350±.030	.210±.005	110.49±0.76	5.33±0.13	4-3/8	3/16	4-3/4
-349	4.475±.030	.210±.005	113.67±0.76	5.33±0.13	4-1/2	3/16	4-7/8
-350	4.600±.030	.210±.005	116.84±0.76	5.33±0.13	4-5/8	3/16	5
-351	4.725±.030	.210±.005	120.02±0.76	5.33±0.13	4-3/4	3/16	5-1/8
-352	4.850±.030	.210±.005	123.19±0.76	5.33±0.13	4-7/8	3/16	5-1/4
-353	4.975±.037	.210±.005	126.37±0.94	5.33±0.13	5	3/16	5-3/8
-354	5.100±.037	.210±.005	129.54±0.94	5.33±0.13	5-1/8	3/16	5-1/2
-355	5.225±.037	.210±.005	132.72±0.94	5.33±0.13	5-1/4	3/16	5-5/8

For Quote, Prototype, or any further questions  
please call us at 614-841-4400 or email us at  
[info@elastostar.com](mailto:info@elastostar.com)

AS568 #	Actual I.D. Inches	Actual C.S. Inches	Actual I.D. Millimeters	Actual C.S. Millimeters	Nominal Reference I.D.	Nominal Reference C.S.	Nominal Reference O.D.
-356	5.350±.037	.210±.005	135.89±0.94	5.33±0.13	5-3/8	3/16	5-3/4
-357	5.475±.037	.210±.005	139.07±0.94	5.33±0.13	5-1/2	3/16	5-7/8
-358	5.600±.037	.210±.005	142.24±0.94	5.33±0.13	5-5/8	3/16	6
-359	5.725±.037	.210±.005	145.42±0.94	5.33±0.13	5-3/4	3/16	6-1/8
-360	5.850±.037	.210±.005	148.59±0.94	5.33±0.13	5-7/8	3/16	6-1/4
-361	5.975±.037	.210±.005	151.77±0.94	5.33±0.13	6	3/16	6-3/8
-362	6.225±.040	.210±.005	158.12±1.02	5.33±0.13	6-1/4	3/16	6-5/8
-363	6.475±.040	.210±.005	164.47±1.02	5.33±0.13	6-1/2	3/16	6-7/8
-364	6.725±.040	.210±.005	170.82±1.02	5.33±0.13	6-3/4	3/16	7-1/8
-365	6.975±.040	.210±.005	177.17±1.02	5.33±0.13	7	3/16	7-3/8
-366	7.225±.045	.210±.005	183.52±1.14	5.33±0.13	7-1/4	3/16	7-5/8
-367	7.475±.045	.210±.005	189.87±1.14	5.33±0.13	7-1/2	3/16	7-7/8
-368	7.725±.045	.210±.005	196.22±1.14	5.33±0.13	7-3/4	3/16	8-1/8
-369	7.975±.045	.210±.005	202.57±1.14	5.33±0.13	8	3/16	8-3/8
-370	8.225±.050	.210±.005	208.92±1.27	5.33±0.13	8-1/4	3/16	8-5/8
-371	8.475±.050	.210±.005	215.27±1.27	5.33±0.13	8-1/2	3/16	8-7/8
-372	8.725±.050	.210±.005	221.62±1.27	5.33±0.13	8-3/4	3/16	9-1/8
-373	8.975±.050	.210±.005	227.97±1.27	5.33±0.13	9	3/16	9-3/8
-374	9.225±.055	.210±.005	234.32±1.40	5.33±0.13	9-1/4	3/16	9-5/8
-375	9.475±.055	.210±.005	240.67±1.40	5.33±0.13	9-1/2	3/16	9-7/8
-376	9.725±.055	.210±.005	247.02±1.40	5.33±0.13	9-3/4	3/16	10-1/8
-377	9.975±.055	.210±.005	253.37±1.40	5.33±0.13	10	3/16	10-3/8
-378	10.475±.00	.210±.005	266.07±1.52	5.33±0.13	10-1/2	3/16	10-7/8
-379	10.975±.00	.210±.005	278.77±1.52	5.33±0.13	11	3/16	11-3/8
-380	11.475±.06	.210±.005	291.47±1.65	5.33±0.13	11-1/2	3/16	11-7/8
-381	11.975±.06	.210±.005	304.17±1.65	5.33±0.13	12	3/16	12-3/8
-382	12.975±.06	.210±.005	329.57±1.65	5.33±0.13	13	3/16	13-3/8
-383	13.975±.07	.210±.005	354.97±1.78	5.33±0.13	14	3/16	14-3/8
-384	14.975±.07	.210±.005	380.37±1.78	5.33±0.13	15	3/16	15-3/8
-385	15.955±.07	.210±.005	405.26±1.91	5.33±0.13	16	3/16	16-3/8
-386	16.955±.00	.210±.005	430.66±2.03	5.33±0.13	17	3/16	17-3/8
-387	17.955±.08	.210±.005	456.06±2.16	5.33±0.13	18	3/16	18-3/8
-388	18.955±.00	.210±.005	481.41±2.29	5.33±0.13	19	3/16	19-3/8
-389	19.955±.05	.210±.005	506.81±2.41	5.33±0.13	20	3/16	20-3/8
-390	20.955±.05	.210±.005	532.21±2.41	5.33±0.13	21	3/16	21-3/8
-391	21.955±.10	.210±.005	557.61±2.54	5.33±0.13	22	3/16	22-3/8
-392	22.940±.15	.210±.005	582.68±2.67	5.33±0.13	23	3/16	23-3/8
-393	23.940±.10	.210±.005	608.08±2.79	5.33±0.13	24	3/16	24-3/8
-394	24.940±.15	.210±.005	633.48±2.92	5.33±0.13	25	3/16	25-3/8
-395	25.940±.10	.210±.005	658.88±3.05	5.33±0.13	26	3/16	26-3/8

AS568 #	Actual I.D. Inches	Actual C.S. Inches	Actual I.D. Millimeters	Actual C.S. Millimeters	Nominal Reference I.D.	Nominal Reference C.S.	Nominal Reference O.D.
-425-	4.475±.033	.275±.006	113.67±0.84	6.99±0.15	4-1/2	1/4	5
-426	4.600±.033	.275±.006	116.84±0.84	6.99±0.15	4-5/8	1/4	5-1/8
-427	4.725±.033	.275±.006	120.02±0.84	6.99±0.15	4-3/4	1/4	5-1/4
-428	4.850±.033	.275±.006	123.19±0.84	6.99±0.15	4-7/8	1/4	5-3/8
-429	4.975±.037	.275±.006	126.37±0.94	6.99±0.15	5	1/4	5-1/2
-430	5.100±.037	.275±.006	129.54±0.94	6.99±0.15	5-1/8	1/4	5-5/8
-431	5.225±.037	.275±.006	132.72±0.94	6.99±0.15	5-1/4	1/4	5-3/4
-432	5.350±.037	.275±.006	135.89±0.94	6.99±0.15	5-3/8	1/4	5-7/8
-433	5.475±.037	.275±.006	139.07±0.94	6.99±0.15	5-1/2	1/4	6
-434	5.600±.037	.275±.006	142.24±0.94	6.99±0.15	5-5/8	1/4	6-1/8
-435	5.725±.037	.275±.006	145.42±0.94	6.99±0.15	5-3/4	1/4	6-1/4
-436	5.850±.037	.275±.006	148.59±0.94	6.99±0.15	5-7/8	1/4	6-3/8
-437	5.975±.037	.275±.006	151.77±0.94	6.99±0.15	6	1/4	6-1/2
-438	6.225±.040	.275±.006	158.12±1.02	6.99±0.15	6-1/4	1/4	6-3/4
-439	6.475±.040	.275±.006	164.47±1.02	6.99±0.15	6-1/2	1/4	7
-440	6.725±.040	.275±.006	170.82±1.02	6.99±0.15	6-3/4	1/4	7-1/4
-441	6.975±.040	.275±.006	177.17±1.02	6.99±0.15	7	1/4	7-1/2
-442	7.225±.045	.275±.006	183.52±1.14	6.99±0.15	7-1/4	1/4	7-3/4
-443	7.475±.045	.275±.006	189.87±1.14	6.99±0.15	7-1/2	1/4	8
-444	7.725±.045	.275±.006	196.22±1.14	6.99±0.15	7-3/4	1/4	8-1/4
-445	7.975±.045	.275±.006	202.57±1.14	6.99±0.15	8	1/4	8-1/2
-446	8.475±.055	.275±.006	215.27±1.40	6.99±0.15	8-1/2	1/4	9
-447	8.975±.055	.275±.006	227.97±1.40	6.99±0.15	9	1/4	9-1/2
-448	9.475±.055	.275±.006	240.67±1.40	6.99±0.15	9-1/2	1/4	10
-449	9.975±.055	.275±.006	253.37±1.40	6.99±0.15	10	1/4	10-1/2
-450	10.475±.00	.275±.006	266.07±1.52	6.99±0.15	10-1/2	1/4	11
-451	10.975±.00	.275±.006	278.77±1.52	6.99±0.15	11	1/4	11-1/2
-452	11.475±.06	.275±.006	291.47±1.52	6.99±0.15	11-1/2	1/4	12
-453	11.975±.06	.275±.006	304.17±1.52	6.99±0.15	12	1/4	12-1/2
-454	12.475±.00	.275±.006	316.87±1.52	6.99±0.15	12-1/2	1/4	13
-455	12.975±.00	.275±.006	329.57±1.52	6.99±0.15	13	1/4	13-1/2
-456	13.457±.07	.275±.006	342.27±1.78	6.99±0.15	13-1/2	1/4	14
-457	13.975±.07	.275±.006	354.97±1.78	6.99±0.15	14	1/4	14-1/2
-458	14.475±.07	.275±.006	367.67±1.78	6.99±0.15	14-1/2	1/4	15
-459	14.975±.07	.275±.006	380.37±1.78	6.99±0.15	15	1/4	15-1/2
-460	15.475±.07	.275±.006	393.07±1.78	6.99±0.15	15-1/2	1/4	16
-461	15.955±.07	.275±.006	405.26±1.91	6.99±0.15	16	1/4	16-1/2
-462	16.455±.07	.275±.006	417.96±1.91	6.99±0.15	16-1/2	1/4	17
-463	16.955±.00	.275±.006	430.66±2.03	6.99±0.15	17	1/4	17-1/2
-464	17.455±.08	.275±.006	443.36±2.16	6.99±0.15	17-1/2	1/4	18
-465	17.955±.08	.275±.006	456.06±2.16	6.99±0.15	18	1/4	18-1/2
-466	18.455±.05	.275±.006	468.76±2.16	6.99±0.15	18-1/2	1/4	19
-467	18.955±.00	.275±.006	481.46±2.29	6.99±0.15	19	1/4	19-1/2
-468	19.455±.00	.275±.006	494.16±2.29	6.99±0.15	19-1/2	1/4	20
-469	19.955±.05	.275±.006	506.86±2.41	6.99±0.15	20	1/4	20-1/2
-470	20.955±.05	.275±.006	532.26±2.41	6.99±0.15	21	1/4	21-1/2
-471	21.955±.10	.275±.006	557.66±2.54	6.99±0.15	22	1/4	22-1/2
-472	22.940±.15	.275±.006	582.68±2.67	6.99±0.15	23	1/4	23-1/2
-473	23.940±.10	.275±.006	608.08±2.79	6.99±0.15	24	1/4	24-1/2
-474	24.940±.15	.275±.006	633.48±2.92	6.99±0.15	25	1/4	25-1/2
-475	25.940±.10	.275±.006	658.88±3.05	6.99±0.15	26	1/4	26-1/2



○ **Standard O-Ring Compounds**

- Silicone
- Aflas®
- Buna (Nitrile)
- Chemraz
- EPR
- Fluorocarbon (Viton®)
- Flurosilicone
- Highly Saturated Nitrile (HNBR)
- Kalrez®
- Neoprene
- Neoprene Sponge
- PTFE (Teflon®)
- Perfluoroelastomer
- Simriz®
- Teflon Encapsulated Silicone
- Teflon Encapsulated Viton
- Urethane
- Viton O-Ring

**Common Mil Spec Compounds**

AMS7276 O-Ring (AMS 7276, AS3208, AS3209), M83248/1, Mil-R-83248/1 O-Rings:

75-Duro Black Fluorocarbon O-Ring

AMS7259 (AS3581), M83248/2

Mil-R-83248/2 O-Rings:

90 Duro Black Fluorocarbon O-Ring

AMS-R-83485 (M83485/1):

75 Duro Black Fluorocarbon O-Ring

GLT® Type Viton O-Ring

AMS-R-25988 CL 1 GR 70 (M25988/1):

Fluorosilicone O-Ring

AMS7267, AMS3304 (AS9385, AS9386, AS3582):

70 Duro Red Silicone O-Ring

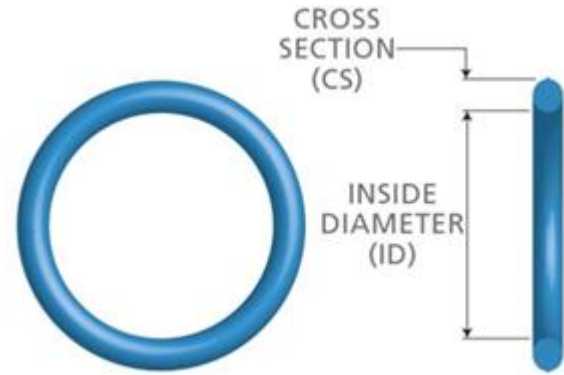
AMS7257: Perfluoroelastomer O-Ring

Mil-P-83461 O-Rings: Nitrile

Mil-P-25732C (MS28775): Nitrile

**Silicone Specs** - ZZ-R-765, A-A-59588, AMS 3320, AMS 7267, AMS 3301, 3302, 3303, 3304, 3305, AMS 3337, AMS 3357

AS568 #	Actual I.D. Inches	Actual C.S. Inches	Actual I.D. Millimeters	Actual C.S. Millimeters
-901	.185±.005	.056±.003	4.70±0.13	1.42±0.08
-902	.239±.005	.064±.003	6.07±0.13	1.63±0.08
-903	.301±.005	.064±.003	7.65±0.13	1.63±0.08
-904	.351±.005	.072±.003	8.92±0.13	1.83±0.08
-905	.414±.005	.072±.003	10.52±0.13	1.83±0.08
-906	.468±.005	.078±.003	11.89±0.13	1.98±0.08
-907	.530±.007	.082±.003	13.46±0.18	2.08±0.08
-908	.644±.009	.087±.003	16.36±0.23	2.21±0.08
-909	.706±.009	.097±.003	17.93±0.23	2.46±0.08
-910	.755±.009	.097±.003	19.18±0.23	2.46±0.08
-911	.863±.009	.116±.004	21.92±0.23	2.95±0.10
-912	.924±.009	.116±.004	23.47±0.23	2.95±0.10
-913	.986±.010	.116±.004	25.04±0.26	2.95±0.10
-914	1.047±.010	.116±.004	26.59±0.26	2.95±0.10
-916	1.171±.010	.116±.004	29.74±0.26	2.95±0.10
-918	1.355±.012	.116±.004	34.42±0.30	2.95±0.10
-920	1.475±.014	.118±.004	37.47±0.36	3.00±0.10
-924	1.720±.014	.118±.004	43.69±0.36	3.00±0.10
-928	2.090±.018	.118±.004	53.09±0.46	3.00±0.10
-932	2.337±.018	.118±.004	59.36±0.46	3.00±0.10



For Quote, Prototype, or any further questions  
 please call us at 614-841-4400 or email us at  
[info@elastostar.com](mailto:info@elastostar.com)