

# IMPERIAL O-RING SIZE CHART

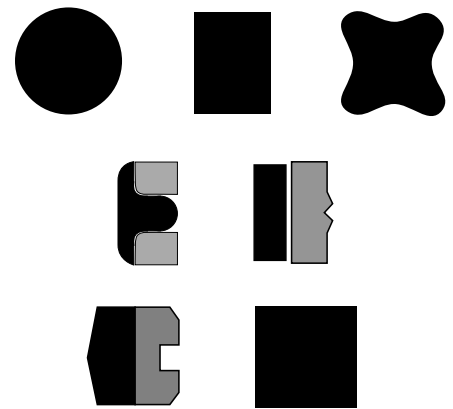
AS 568A SERIES	NOMINAL SIZE			AS 568A SERIES	NOMINAL SIZE			AS 568A SERIES	NOMINAL SIZE			AS 568A SERIES	NOMINAL SIZE			AS 568A SERIES	NOMINAL SIZE						
	I.D.	O.D.	Width		I.D.	O.D.	Width		I.D.	O.D.	Width		I.D.	O.D.	Width		I.D.	O.D.	Width				
-001	1/32	3/32	1/32	-113	9/16	3/4	3/32	-177	9 1/2	9 11/16	3/32	-262	7	7 1/4	1/8	-349	4 1/2	4 7/8	3/16	-416*	3-3/8	3-7/8	1/4
-001 1/2	1/16	1/8	1/32	-114	5/8	13/16	3/32	-178	9 3/4	9 15/16	3/32	-263	7 1/4	7 1/2	1/8	-350	4 5/8	5	3/16	-417*	3-1/2	4	1/4
-002	3/64	9/64	3/64	-115	11/16	7/8	3/32	<b>.139" Actual C/S</b>				-264	7 1/2	7 3/4	1/8	-351	4 3/4	5 1/8	3/16	-418*	3-5/8	4-1/8	1/4
-003	1/16	3/16	1/16	-116	3/4	15/16	3/32	-201	3 16	7/16	1/8	-265	7 3/4	8	1/8	-352	4 7/8	5 1/4	3/16	-419*	3-3/4	4-1/4	1/4
<b>.070" Actual C/S</b>				-117	13/16	1	3/32	-202	1/4	1/2	1/8	-266	8	8 1/4	1/8	-353	5	5 3/8	3/16	-420*	3-7/8	4-3/8	1/4
-004	5/64	13/64	1/16	-118	7/8	1 1/16	3/32	-203	5/16	9/16	1/8	-267	8 1/4	8 1/2	1/8	-354	5 1/8	5 1/2	3/16	-421*	4	4-1/2	1/4
-005	3/32	7/32	1/16	-119	15/16	1 1/8	3/32	-204	3/8	5/8	1/8	-268	8 1/2	8 3/4	1/8	-355	5 1/4	5 5/8	3/16	-422*	4-1/8	4-5/8	1/4
-006	1/8	1/4	1/16	-120	1	1 3/16	3/32	-205	7/16	11/16	1/8	-269	8 3/4	9	1/8	-356	5 3/8	5 3/4	3/16	-423*	4-1/4	4-3/4	1/4
-007	5/32	9/32	1/16	-121	1 1/16	1 1/4	3/32	-206	1/2	3/4	1/8	-270	9	9 1/4	1/8	-357	5 1/2	5 7/8	3/16	-424*	4-3/8	4-7/8	1/4
-008	3/16	5/16	1/16	-122	1 1/8	1 5/16	3/32	-207	9/16	13/16	1/8	-271	9 1/4	9 1/2	1/8	-358	5 5/8	6	3/16	-425	4 1/2	5	1/4
-009	7/32	11/32	1/16	-123	1 3/16	1 3/8	3/32	-208	5/8	7/8	1/8	-272	9 1/2	9 3/4	1/8	-359	5 3/4	6 1/8	3/16	-426	4 5/8	5 1/8	1/4
-010	1/4	3/8	1/16	-124	1 1/4	1 7/16	3/32	-209	11/16	15/16	1/8	-273	9 3/4	10	1/8	-360	5 7/8	6 1/4	3/16	-427	4 3/4	5 1/4	1/4
-011	5/16	7/16	1/16	-125	1 5/16	1 1/2	3/32	-210	3/4	1	1/8	-274	10	10 1/4	1/8	-361	6	6 3/8	3/16	-428	4 7/8	5 3/8	1/4
-012	3/8	1/2	1/16	-126	1 3/8	1 9/16	3/32	-211	13/16	1 1/16	1/8	-275	10 1/2	10 3/4	1/8	-362	6 1/4	6 5/8	3/16	-429	5	5 1/2	1/4
-013	7/16	9/16	1/16	-127	1 7/16	1 5/8	3/32	-212	7/8	1 1/8	1/8	-276	11	11 1/4	1/8	-363	6 1/2	6 7/8	3/16	-430	5 1/8	5 5/8	1/4
-014	1/2	5/8	1/16	-128	1 1/2	1 11/16	3/32	-213	15/16	1 3/16	1/8	-277	11 1/2	11 3/4	1/8	-364	6 3/4	7 1/8	3/16	-431	5 1/4	5 3/4	1/4
-015	9/16	11/16	1/16	-129	1 9/16	1 3/4	3/32	-214	1	1 1/4	1/8	-278	12	12 1/4	1/8	-365	7	7 3/8	3/16	-432	5 3/8	5 7/8	1/4
-016	5/8	3/4	1/16	-130	1 5/8	1 13/16	3/32	-215	1 1/16	1 5/16	1/8	-279	13	13 1/4	1/8	-366	7 1/4	7 5/8	3/16	-433	5 1/2	6	1/4
-017	11/16	13/16	1/16	-131	1 11/16	1 7/8	3/32	-216	1 1/8	1 3/8	1/8	-280	14	14 1/4	1/8	-367	7 1/2	7 7/8	3/16	-434	5 5/8	6 1/8	1/4
-018	3/4	7/8	1/16	-132	1 3/4	1 15/16	3/32	-217	1 3/16	1 7/16	1/8	-281	15	15 1/4	1/8	-368	7 3/4	8 1/8	3/16	-435	5 3/4	6 1/4	1/4
-019	13/16	15/16	1/16	-133	1 13/16	2	3/32	-218	1 1/4	1 1/2	1/8	-282	16	16 1/4	1/8	-369	8	8 3/8	3/16	-436	5 7/8	6 3/8	1/4
-020	7/8	1	1/16	-134	1 7/8	2 1/16	3/32	-219	1 5/16	1 9/16	1/8	-283	17	17 1/4	1/8	-370	8 1/4	8 5/8	3/16	-437	6	6 1/2	1/4
-021	15/16	1 1/16	1/16	-135	1 15/16	2 1/8	3/32	-220	1 3/8	1 5/8	1/8	-284	18	18 1/4	1/8	-371	8 1/2	8 7/8	3/16	-438	6 1/4	6 3/4	1/4
-022	1	1 1/8	1/16	-136	2	2 3/16	3/32	-221	1 7/16	1 11/16	1/8	<b>.210" Actual C/S</b>				-372	8 3/4	9 1/8	3/16	-439	6 1/2	7	1/4
-023	1 1/16	1 3/16	1/16	-137	2 1/16	2 1/4	3/32	-222	1 1/2	1 3/4	1/8	-309	7/16	13/16	3/16	-373	9	9 3/8	3/16	-440	6 3/4	7 1/4	1/4
-024	1 1/8	1 1/4	1/16	-138	2 1/8	2 5/16	3/32	-223	1 5/8	1 7/8	1/8	-310	1/2	7/8	3/16	-374	9 1/4	9 5/8	3/16	-441	7	7 1/2	1/4
-025	1 3/16	1 5/16	1/16	-139	2 3/16	2 3/8	3/32	-224	1 3/4	2	1/8	-311	9/16	15/16	3/16	-375	9 1/2	9 7/8	3/16	-442	7 1/4	7 3/4	1/4
-026	1 1/4	1 3/8	1/16	-140	2 1/4	2 7/16	3/32	-225	1 7/8	2 1/8	1/8	-312	5/8	1	3/16	-376	9 3/4	10 1/8	3/16	-443	7 1/2	8	1/4
-027	1 5/16	1 7/16	1/16	-141	2 5/16	2 1/2	3/32	-226	2	2 1/4	1/8	-313	11/16	11/16	3/16	-377	10	10 3/8	3/16	-444	7 3/4	8 1/4	1/4
-028	1 3/8	1 1/2	1/16	-142	2 3/8	2 9/16	3/32	-227	2 1/8	2 3/8	1/8	-314	3/4	1 1/8	3/16	-378	10 1/2	10 7/8	3/16	-445	8	8 1/2	1/4
-029	1 1/2	1 5/8	1/16	-143	2 7/16	2 5/8	3/32	-228	2 1/4	2 1/2	1/8	-315	13/16	1 3/16	3/16	-379	11	11 3/8	3/16	-446	8 1/2	9	1/4
-030	1 5/8	1 3/4	1/16	-144	2 1/2	2 11/16	3/32	-229	2 3/8	2 5/8	1/8	-316	7/8	1 1/4	3/16	-380	11 1/2	11 7/8	3/16	-447	9	9 1/2	1/4
-031	1 3/4	1 7/8	1/16	-145	2 9/16	2 3/4	3/32	-230	2 1/2	2 3/4	1/8	-317	15/16	1 5/16	3/16	-381	12	12 3/8	3/16	-448	9 1/2	10	1/4
-032	1 7/8	2	1/16	-146	2 5/8	2 13/16	3/32	-231	2 5/8	2 7/8	1/8	-318	1	1 3/8	3/16	-382	13	13 3/8	3/16	-449	10	10 1/2	1/4
-033	2	2 1/8	1/16	-147	2 11/16	2 7/8	3/32	-232	2 3/4	3	1/8	-319	1 1/16	1 7/16	3/16	-383	14	14 3/8	3/16	-450	10 1/2	11	1/4
-034	2 1/8	2 1/4	1/16	-148	2 3/4	2 15/16	3/32	-233	2 7/8	3 1/8	1/8	-320	1 1/8	1 1/2	3/16	-384	15	15 3/8	3/16	-451	11	11 1/2	1/4
-035	2 1/4	2 3/8	1/16	-149	2 13/16	3	3/32	-234	3	3 1/4	1/8	-321	1 3/16	1 9/16	3/16	-385	16	16 3/8	3/16	-452	11 1/2	12	1/4
-036	2 3/8	2 1/2	1/16	-150	2 7/8	3 1/16	3/32	-235	3 1/8	3 3/8	1/8	-322	1 1/4	1 5/8	3/16	-386	17	17 3/8	3/16	-453	12	12 1/2	1/4
-037	2 1/2	2 5/8	1/16	-151	3	3 3/16	3/32	-236	3 1/4	3 1/2	1/8	-323	1 5/16	1 11/16	3/16	-387	18	18 3/8	3/16	-454	12 1/2	13	1/4
-038	2 5/8	2 3/4	1/16	-152	3 1/4	3 7/16	3/32	-237	3 3/8	3 5/8	1/8	-324	1 3/8	1 3/4	3/16	-388	19	19 3/8	3/16	-455	13	13 1/2	1/4
-039	2 3/4	2 7/8	1/16	-153	3 1/2	3 11/16	3/32	-238	3 1/2	3 3/4	1/8	-325	1 1/2	1 7/8	3/16	-389	20	20 3/8	3/16	-456	13 1/2	14	1/4
-040	2 7/8	3	1/16	-154	3 3/4	3 15/16	3/32	-239	3 5/8	3 7/8	1/8	-326	1 5/8	2	3/16	-390	21	21 3/8	3/16	-457	14	14 1/2	1/4
-041	3	3 1/8	1/16	-155	4	4 3/16	3/32	-240	3 3/4	4	1/8	-327	1 3/4	2 1/8	3/16	-391	22	22 3/8	3/16	-458	14 1/2	15	1/4
-042	3 1/4	3 3/8	1/16	-156	4 1/4	4 7/16	3/32	-241	3 7/8	4 1/8	1/8	-328	1 7/8	2 1/4	3/16	-392	23	23 3/8	3/16	-459	15	15 1/2	1/4
-043	3 1/2	3 5/8	1/16	-157	4 1/2	4 11/16	3/32	-242	4	4 1/4	1/8	-329	2	2 3/8	3/16	-393	24	24 3/8	3/16	-460	15 1/2	16	1/4
-044	3 3/4	3 7/8	1/16	-158	4 3/4	4 15/16	3/32	-243	4 1/8	4 3/8	1/8	-330	2 1/8	2 1/2	3/16	-394	25	25 3/8	3/16	-461	16	16 1/2	1/4
-045	4	4 1/8	1/16	-159	5	5 3/16	3/32	-244	4 1/4	4 1/2	1/8	-331	2 1/4	2 5/8	3/16	-395	26	26 3/8	3/16	-462	16 1/2	17	1/4
-046	4 1/4	4 3/8	1/16	-160	5 1/4	5 7/16	3/32	-245	4 3/8	4 5/8	1/8	-332	2 3/8	2 3/4	3/16	<b>.275" Actual C/S</b>				-463	17	17 1/2	1/4
-047	4 1/2	4 5/8	1/16	-161	5 1/2	5 11/16	3/32	-246	4 1/2	4 3/4	1/8	-333	2 1/2	2 7/8	3/16	-400*	1-3/8	1-7/8	1/4	-464	17 1/2	18	1/4
-048	4 3/4	4 7/8	1/16	-162	5 3/4	5 15/16	3/32	-247	4 5/8	4 7/8	1/8	-334	2 5/8	3	3/16	-401*	1-1/2	2	1/4	-465	18	18 1/2	1/4
-049	5	5 1/8	1/16	-163	6	6 3/16	3/32	-248	4 3/4	5	1/8	-335	2 3/4	3 1/8	3/16	-402*	1-5/8	2-1/8	1/4	-466	18 1/2	19	1/4
-050	5 1/4	5 3/8	1/16	-164	6 1/4	6 7/16	3/32	-249	4 7/8	5 1/8	1/8	-336	2 7/8	3 1/4	3/16	-403*	1-3/4	2-1/4	1/4	-467	19	19 1/2	1/4
<b>.103" Actual C/S</b>				-165	6 1/2	6 11/16	3/32	-250	5	5 1/4	1/8	-337	3	3-3/8	3/16	-404*	1-7/8	2-3/8	1/4	-468	19 1/2	20	1/4
-102	1/16	1/4	3/32	-166	6 3/4	6 15/16	3/32	-251	5 1/8	5 3/8	1/8	-338	3-1/8	3-1/2	3/16	-405*	2	2-1/2	1/4	-			

# MATERIALS

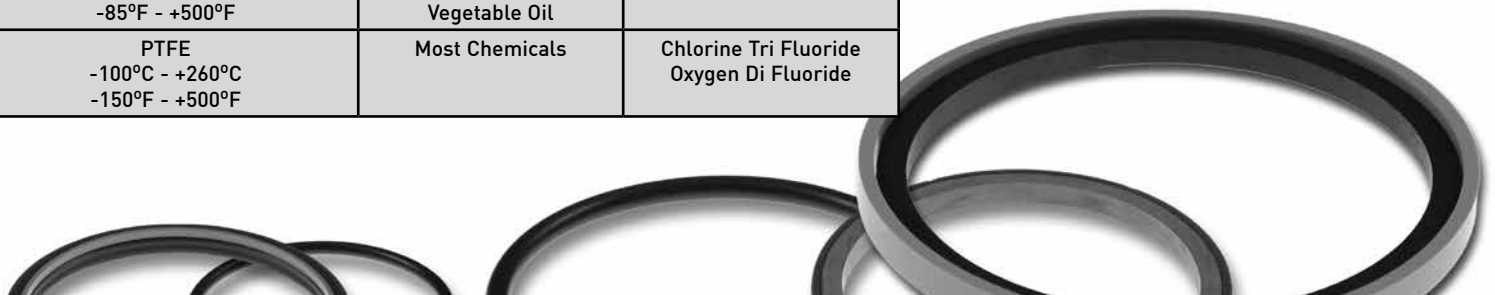
MATERIALS AND TEMPERATURE RANGES	FLUID EXAMPLES	
	USE WITH	DO NOT USE WITH
Fluoropolymer -30°C - +204°C -20°F - +400°F	Petroleum Oils H <sub>2</sub> S (10%) Steam, brake fluid	Acetone Lacquers
Carboxylated Nitrile -54°C - +135°C -65°F - +275°F	Petroleum Oils Water Hydraulic Oils	Brake Fluid Keytones Phosphate Esters
Ethylene Propylene -54°C - +150°C -65°F - +300°F	Brake Fluids Water/Hot Water Steam	Petroleum Oils Diester Lubricants
Fluorocarbon -30°C - +204°C -20°F - +400°F	Petroleum Oils Gasoline Transmission Fluid	Acetone H <sub>2</sub> S (over 2%) Hot Water Amines
Fluorosilicone -56°C - +204°C -70°F - +400°F	Petroleum Oils Gasoline Silicone Oil	Acetone Ethylacetate
Hydrogenated Nitrile HSN, HNBR -40°C - +160°C -40°F - +320°F -45°C - +160°C (L.T.)	Petroleum Oils H <sub>2</sub> S (10%) CO <sub>2</sub>	Brake Fluid
Hytrel -40°C - +135°C -40°F - +275°F	High Pressures H <sub>2</sub> S (5%) FRF	Hot Water
Neoprene -40°C - +135°C -40°F - +275°F	Ammonia Refrigerants Ozone	Aromatic Hydrocarbons Toluene
Nitrile -40°C - +135°C -40°F - +275°F -54°C - +121°C (L.T.)	Petroleum Oils Water Hydraulic Oils	Brake Fluids Ketones Phosphate Esters H <sub>2</sub> S
Peek For Back-Ups, Bearing Rings and Valve Seals -18°C - +288°C -0°F - +550°F	Most Chemicals Hard Material Used For Back-ups Bearing Rings Valve Seals	---
Perfluoroelastomer -20°C - +300°C -4°F - +572°F	Hydrogen Sulfide (H <sub>2</sub> S) Chlorinated Solvents Sulfuric Acid, Hydrochloric Acid Most Chemicals	---
Polyurethane -40°C - +105°C -40°F - +220°F	Petroleum Oils Hydraulic Oils	Brake Fluids
Silicone -65°C - +260°C -85°F - +500°F	Dry Heat Alcohol Vegetable Oil	Petroleum Oils & Fuels
PTFE -100°C - +260°C -150°F - +500°F	Most Chemicals	Chlorine Tri Fluoride Oxygen Di Fluoride

# O-RING BOSS GASKETS FOR STRAIGHT THREAD FITTINGS

ACO-568 UNIVERSAL SERIES DASH NO.	TUBE SIZE (O.D.) INCHES	ACTUAL SIZE	
		I.D.	W
-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 ±.005	.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 ±.012	.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



*For hardware dimensions and specifications refer to the Hercules Seal Catalog or visit our website.*



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