

Features

- Peroxide Cured
- WRAS Approved

RS Metric EPDM 70 ShA WRAS O-rings



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

Ethylene Propylene Diene Monomer (EPDM) is a synthetic rubber polymer composed of ethylene, propylene, and a diene component, known for its excellent resistance to extreme weather conditions, ozone, UV radiation, and a broad range of chemicals. EPDM offers remarkable durability, flexibility, and superior sealing performance, making it an ideal choice for demanding applications exposed to environmental stress.

Key Benefits:

- Excellent Weathering and Ozone Resistance
- Good Chemical Resistance
- High Temperature Resistance
- Low Temperature Flexibility
- Excellent Water Resistance
- Non-Toxic and FDA Compliance
- Good Electrical Insulation
- Durability and Longevity

Applications:

- Automotive Industry
- Plumbing and HVAC
- Chemical Processing
- Food and Beverage Processing
- Pharmaceutical Industry
- Solar and Outdoor Applications
- Electrical and Electronics
- Marine Industry

General Specifications

Type	O-rings
O-ring Type:	Metric
Material:	Ethylene Propylene Diene Monomer (EPDM)
Hardness	70 ShA
Colour	Black
Operating Temperature Range	-50°C to +150°C
Minimum Operating Temperature	-50°C
Maximum Operating Temperature	+150°C
Internal Diameter	See below table for details
Cross section	See below table for details
Tensile Strength	6.1 Mpa

	Millimetres (mm)				Inches (")				Nominal (Inch dimensions)		
RS Article Number	Internal Diameter	ID Tolerance	Cross Section	CS Tolerance	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	Cross Section	Standard Reference
0771844	1.5	0.12	1.5	0.08	0.06	0.005	0.059	0.003	1/16	1/16	
0771910	2.5	0.13	1.5	0.08	0.10	0.005	0.059	0.003	3/32	1/16	
0771969	3	0.13	1	0.08	0.12	0.005	0.039	0.003	1/8	1/32	

0772012	3.1	0.13	1.6	0.08	0.12	0.005	0.063	0.003	1/8	1/16	
0772173	4	0.14	1.5	0.08	0.16	0.006	0.059	0.003	5/32	1/16	
0772203	4	0.14	2	0.08	0.16	0.006	0.079	0.003	5/32	3/32	
0771972	4.2	0.14	1.9	0.08	0.17	0.006	0.075	0.003	5/32	1/16	
0772021	4.5	0.14	1	0.08	0.18	0.006	0.039	0.003	3/16	1/32	
0772006	5	0.15	1.5	0.08	0.20	0.006	0.059	0.003	3/16	1/16	
0772009	5	0.15	2	0.08	0.20	0.006	0.079	0.003	3/16	3/32	
0772181	5.5	0.15	1.5	0.08	0.22	0.006	0.059	0.003	7/32	1/16	
0772027	6	0.15	1.5	0.08	0.24	0.006	0.059	0.003	1/4	1/16	
0772206	6	0.15	2	0.08	0.24	0.006	0.079	0.003	1/4	3/32	
0772228	7	0.16	1	0.08	0.28	0.006	0.039	0.003	9/32	1/32	
0772220	7	0.16	2	0.08	0.28	0.006	0.079	0.003	9/32	3/32	
0772230	7	0.16	2.5	0.09	0.28	0.006	0.098	0.004	9/32	3/32	
0772031	8	0.17	1.5	0.08	0.31	0.007	0.059	0.003	5/16	1/16	
0772227	8	0.17	2	0.08	0.31	0.007	0.079	0.003	5/16	3/32	
0772034	8	0.17	2.5	0.09	0.31	0.007	0.098	0.004	5/16	3/32	
0771854	8.73	0.18	1.78	0.08	0.34	0.007	0.070	0.003	11/32	1/16	
0772037	9	0.18	1	0.08	0.35	0.007	0.039	0.003	11/32	1/32	
0772041	9	0.18	1.5	0.08	0.35	0.007	0.059	0.003	11/32	1/16	
0772040	9	0.18	2	0.08	0.35	0.007	0.079	0.003	11/32	3/32	
0772045	9	0.18	2.5	0.09	0.35	0.007	0.098	0.004	11/32	3/32	
0771851	10	0.19	1.5	0.08	0.39	0.007	0.059	0.003	13/32	1/16	
0771856	10	0.19	1.8	0.08	0.39	0.007	0.071	0.003	13/32	1/16	
0771911	10	0.19	3	0.09	0.39	0.007	0.118	0.004	13/32	1/8	
0772057	11	0.19	2	0.08	0.43	0.007	0.079	0.003	7/16	3/32	
0772180	12	0.2	1	0.08	0.47	0.008	0.039	0.003	15/32	1/32	
0772080	12	0.2	3	0.09	0.47	0.008	0.118	0.004	15/32	1/8	
0772186	13	0.21	1	0.08	0.51	0.008	0.039	0.003	1/2	1/32	
	Millimetres (mm)				Inches (")				Nominal (Inch dimensions)		
RS Article Number	Internal Diameter	ID Tolerance	Cross Section	CS Tolerance	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	Cross Section	Standard Reference
0771879	13	0.21	1.5	0.08	0.51	0.008	0.059	0.003	1/2	1/16	
0772188	13	0.21	2	0.08	0.51	0.008	0.079	0.003	1/2	3/32	
0771883	14	0.22	1.5	0.08	0.55	0.009	0.059	0.003	9/16	1/16	

0771885	14	0.22	2	0.08	0.55	0.009	0.079	0.003	9/16	3/32	
0771918	14	0.22	4	0.1	0.55	0.009	0.157	0.004	9/16	5/32	
0771891	15	0.22	1	0.08	0.59	0.009	0.039	0.003	19/32	1/32	
0772197	15	0.22	2	0.08	0.59	0.009	0.079	0.003	19/32	3/32	
0772094	16	0.23	1	0.08	0.63	0.009	0.039	0.003	5/8	1/32	
0772098	16	0.23	2	0.08	0.63	0.009	0.079	0.003	5/8	3/32	
0771923	16.5	0.23	2	0.08	0.65	0.009	0.079	0.003	21/32	3/32	
0772000	17	0.24	1.5	0.08	0.67	0.009	0.059	0.003	21/32	1/16	
0771926	17	0.24	2	0.08	0.67	0.009	0.079	0.003	21/32	3/32	
0772110	18	0.25	2	0.08	0.71	0.010	0.079	0.003	23/32	3/32	
0771927	18	0.25	2.5	0.09	0.71	0.010	0.098	0.004	23/32	3/32	
0772111	18	0.25	3	0.09	0.71	0.010	0.118	0.004	23/32	1/8	
0772115	19	0.25	1.5	0.08	0.75	0.010	0.059	0.003	3/4	1/16	
0772118	19	0.25	2	0.08	0.75	0.010	0.079	0.003	3/4	3/32	
0772124	20	0.26	1	0.08	0.79	0.010	0.039	0.003	25/32	1/32	
0771914	20	0.26	1.5	0.08	0.79	0.010	0.059	0.003	25/32	1/16	
0772123	20	0.26	2	0.08	0.79	0.010	0.079	0.003	25/32	3/32	
0772113	20	0.26	2.5	0.09	0.79	0.010	0.098	0.004	25/32	3/32	
0772125	20	0.26	3	0.09	0.79	0.010	0.118	0.004	25/32	1/8	
0772100	20	0.26	3.5	0.1	0.79	0.010	0.138	0.004	25/32	1/8	
0771857	20	0.26	4	0.1	0.79	0.010	0.157	0.004	25/32	5/32	
0772132	21	0.27	1.5	0.08	0.83	0.011	0.059	0.003	13/16	1/16	
0772136	21	0.27	2	0.08	0.83	0.011	0.079	0.003	13/16	3/32	
0772134	21	0.27	2.5	0.09	0.83	0.011	0.098	0.004	13/16	3/32	
0772131	21	0.27	4	0.1	0.83	0.011	0.157	0.004	13/16	5/32	
0772127	21.5	0.27	2	0.08	0.85	0.011	0.079	0.003	27/32	3/32	
0772133	22	0.27	1	0.08	0.87	0.011	0.039	0.003	7/8	1/32	
0772139	22	0.27	1.5	0.08	0.87	0.011	0.059	0.003	7/8	1/16	
	Millimetres (mm)				Inches (")				Nominal (Inch dimensions)		
RS Article Number	Internal Diameter	ID Tolerance	Cross Section	CS Tolerance	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	Cross Section	Standard Reference
0771932	22	0.27	2	0.08	0.87	0.011	0.079	0.003	7/8	3/32	
0772141	22	0.27	2.5	0.09	0.87	0.011	0.098	0.004	7/8	3/32	
0771935	22	0.27	3	0.09	0.87	0.011	0.118	0.004	7/8	1/8	
0771939	23	0.28	2.5	0.09	0.91	0.011	0.098	0.004	29/32	3/32	

0771937	23	0.28	3	0.09	0.91	0.011	0.118	0.004	29/32	1/8	
0771943	24	0.29	1	0.08	0.94	0.011	0.039	0.003	15/16	1/32	
0771945	24	0.29	2	0.08	0.94	0.011	0.079	0.003	15/16	3/32	
0771942	24	0.29	2.5	0.09	0.94	0.011	0.098	0.004	15/16	3/32	
0771948	24	0.29	3	0.09	0.94	0.011	0.118	0.004	15/16	1/8	
0772103	24	0.29	3.5	0.1	0.94	0.011	0.138	0.004	15/16	1/8	
0771940	24.6	0.29	3.6	0.1	0.97	0.011	0.142	0.004	31/32	5/32	
0771953	25	0.3	2	0.08	0.98	0.012	0.079	0.003	31/32	3/32	
0771951	25	0.3	2.5	0.09	0.98	0.012	0.098	0.004	31/32	3/32	
0771956	26	0.3	2	0.08	1.02	0.012	0.079	0.003	1 1/32	3/32	
0771958	27	0.31	1.5	0.08	1.06	0.012	0.059	0.003	1 1/16	1/16	
0772106	27	0.31	3	0.09	1.06	0.012	0.118	0.004	1 1/16	1/8	
0772142	28	0.32	2	0.08	1.10	0.013	0.079	0.003	1 3/32	3/32	
0772151	29	0.33	1.5	0.08	1.14	0.013	0.059	0.003	1 5/32	1/16	
0772158	30	0.33	1.5	0.08	1.18	0.013	0.059	0.003	1 3/16	1/16	
0772161	30	0.33	2	0.08	1.18	0.013	0.079	0.003	1 3/16	3/32	
0771865	30	0.33	3	0.09	1.18	0.013	0.118	0.004	1 3/16	1/8	
0771866	30	0.33	4	0.1	1.18	0.013	0.157	0.004	1 3/16	5/32	
0772169	32	0.35	2	0.08	1.26	0.014	0.079	0.003	1 1/4	3/32	
0771868	32	0.35	2.5	0.09	1.26	0.014	0.098	0.004	1 1/4	3/32	
0772053	32	0.35	3	0.09	1.26	0.014	0.118	0.004	1 1/4	1/8	
0772055	32	0.35	4	0.1	1.26	0.014	0.157	0.004	1 1/4	5/32	
0771903	35	0.37	2	0.08	1.38	0.015	0.079	0.003	1 3/8	3/32	
0772062	35	0.37	3	0.09	1.38	0.015	0.118	0.004	1 3/8	1/8	
0771967	38	0.39	3	0.09	1.50	0.015	0.118	0.004	1 1/2	1/8	
0772245	38	0.39	4	0.1	1.50	0.015	0.157	0.004	1 1/2	5/32	
0771908	40	0.4	1.5	0.08	1.57	0.016	0.059	0.003	1 9/16	1/16	
0772073	40	0.4	2	0.08	1.57	0.016	0.079	0.003	1 9/16	3/32	
	Millimetres (mm)				Inches (")				Nominal (Inch dimensions)		
RS Article Number	Internal Diameter	ID Tolerance	Cross Section	CS Tolerance	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	Cross Section	Standard Reference
0771981	40	0.4	3	0.09	1.57	0.016	0.118	0.004	1 9/16	1/8	
0772246	40	0.4	4	0.1	1.57	0.016	0.157	0.004	1 9/16	5/32	
0772078	41	0.41	2.5	0.09	1.61	0.016	0.098	0.004	1 5/8	3/32	
0772251	44	0.43	3.5	0.1	1.73	0.017	0.138	0.004	1 23/32	1/8	

0771991	45	0.44	2	0.08	1.77	0.017	0.079	0.003	1 25/32	3/32	
0772252	45	0.44	4	0.1	1.77	0.017	0.157	0.004	1 25/32	5/32	
0771874	48	0.46	2	0.08	1.89	0.018	0.079	0.003	1 7/8	3/32	
0771877	48	0.46	3	0.09	1.89	0.018	0.118	0.004	1 7/8	1/8	
0772185	50	0.48	2	0.08	1.97	0.019	0.079	0.003	1 31/32	3/32	
0772184	50	0.48	2.5	0.09	1.97	0.019	0.098	0.004	1 31/32	3/32	
0772190	50	0.48	3	0.09	1.97	0.019	0.118	0.004	1 31/32	1/8	
0772198	52	0.49	2	0.08	2.05	0.019	0.079	0.003	2 1/16	3/32	
0772258	52	0.49	5	0.13	2.05	0.019	0.197	0.005	2 1/16	3/16	
0772260	54	0.5	4	0.1	2.13	0.020	0.157	0.004	2 1/8	5/32	
0771812	65	0.58	2	0.08	2.56	0.023	0.079	0.003	2 9/16	3/32	
0771814	67	0.59	3	0.09	2.64	0.023	0.118	0.004	2 5/8	1/8	
0772210	70	0.61	2	0.08	2.76	0.024	0.079	0.003	2 3/4	3/32	
0771822	74	0.64	3	0.09	2.91	0.025	0.118	0.004	2 29/32	1/8	
0771829	85	0.72	2	0.08	3.35	0.028	0.079	0.003	3 11/32	3/32	
0771975	88	0.74	3	0.09	3.46	0.029	0.118	0.004	3 15/32	1/8	
0771977	90	0.75	5	0.13	3.54	0.030	0.197	0.005	3 17/32	3/16	