

Features

- Peroxide Cured
- WRAS Approved

RS Imperial 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:	Imperial
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

	Millimeters (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
0772237	5.23	0.15	2.62	0.09	0.21	0.006	0.103	0.004	7/32	3/32	AS 568-107,BS 1806-107,Dowty-200-107
0772255	7.52	0.17	3.53	0.1	0.30	0.007	0.139	0.004	9/32	1/8	AS 568-203,BS 1806-203,Dowty-200-203

0771848	7.65	0.17	1.78	0.08	0.30	0.007	0.070	0.003	5/16	1/16	AS 568-011,BS 1806-011,Dowty-200-011
0772047	10.82	0.19	1.78	0.08	0.43	0.007	0.070	0.003	7/16	1/16	AS 568-013,BS 1806-013,Dowty-200-013
0772048	14	0.22	1.78	0.08	0.55	0.009	0.070	0.003	9/16	1/16	AS 568-015,BS 1806-015,Dowty-200-015
0772049	15.6	0.23	1.78	0.08	0.61	0.009	0.070	0.003	5/8	1/16	AS 568-016,BS 1806-016,Dowty-200-016
0772051	17.17	0.24	1.78	0.08	0.68	0.009	0.070	0.003	11/16	1/16	AS 568-017,BS 1806-017,Dowty-200-017
0771805	21.95	0.27	1.78	0.08	0.86	0.011	0.070	0.003	7/8	1/16	AS 568-020,BS 1806-020,Dowty-200-020
0772152	26.7	0.31	1.78	0.08	1.05	0.012	0.070	0.003	1 1/16	1/16	AS 568-023,BS 1806-023,Dowty-200-023
0772234	37.82	0.39	1.78	0.08	1.49	0.015	0.070	0.003	1 1/2	1/16	AS 568-029,BS 1806-029,Dowty-200-029
0772264	47.22	0.46	3.53	0.1	1.86	0.018	0.139	0.004	1 27/32	1/8	AS 568-225,BS 1806-225,Dowty-200-225
0771895	50.47	0.48	2.62	0.09	1.99	0.019	0.103	0.004	2	3/32	AS 568-136,BS 1806-136,Dowty-200-136
0771897	53.64	0.5	2.62	0.09	2.11	0.020	0.103	0.004	2 1/8	3/32	AS 568-138,BS 1806-138,Dowty-200-138
0771983	56.52	0.52	5.33	0.13	2.23	0.020	0.210	0.005	2 7/32	7/32	AS 568-331,BS 1806-331,Dowty-200-331
Millimetres (mm)					Inches (")				Nominal (Inch dimensions)		Standard Reference
RS Article Number	Internal Diameter	ID Tolerance	Cross Section	CS Tolerance	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	Cross Section	
0771840	63.17	0.57	2.62	0.09	2.49	0.022	0.103	0.004	2 1/2	3/32	AS 568-144,BS 1806-144,Dowty-200-144
0771817	69.44	0.61	3.53	0.1	2.73	0.024	0.139	0.004	2 23/32	1/8	AS 568-232,BS 1806-232,Dowty-200-232

0771820	91.67	0.76	3.53	0.1	3.61	0.030	0.139	0.004	3 19/32	1/8	AS 568-239,BS 1806-239,Dowty-200-239
0771837	101.32	0.83	1.78	0.08	3.99	0.033	0.070	0.003	4	1/16	AS 568-045,BS 1806-045,Dowty-200-045
0771986	104.14	0.85	5.33	0.13	4.10	0.033	0.210	0.005	4 3/32	7/32	AS 568-346,BS 1806-346,Dowty-200-346
0772096	158.12	1.21	5.33	0.13	6.23	0.048	0.210	0.005	6 7/32	7/32	AS 568-362,BS 1806-362,Dowty-201-009
0772099	202.57	1.5	6.99	0.15	7.98	0.059	0.275	0.006	7 31/32	9/32	AS 568-445,BS 1806-445,Dowty-202-520