

FEATURES

- Nitrile rubber material
- Hardness 70 shore A
- Continuous operating temperature -40°C to 110°C, short term to 135°C
- Resistant to mineral hydraulic oils and greases
- Tolerance BS4518

RS PRO Nitrile Rubber O-Ring Seal, 6.1mm Bore, 9.3mm Outer Diameter

RS Stock No.: 128-811



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

RS PRO metric O-Rings made from Nitrile, the most widely used elastomer in sealing applications. These O-Rings have an excellent resistance to petroleum products and work well in either low or high temperatures. Nitrile is highly resistant to abrasion and is an ideal choice in most industries

General Specifications

Type	O-Rings Seal
Material	Nitrile Rubber
Application	Automotive; Aerospace; General Engineering
Resistance To	Mineral Hydraulic Oils And Grease
Kit Contents	8 Pieces

Mechanical Specifications

Inside Diameter	6.1mm
Outside Diameter	9.3mm
Thickness	1.6mm
Hardness	70 Shore
Tensile Strength	14N/mm ²
Elongation At Break Point	250%
Specific Gravity	1.372
Density	1.3g/cm ³
Heat Resistance	Tested To 100°C For 70 Hours
Compression Set 22h/ 100°C	14%
Volume Change	-5.57%

Operation Environment Specifications

Minimum Operating Temperature	-30°C
Maximum Operating Temperature	120°C
Glass Transition Temperature	-35°C

Approvals

Compliance/Certifications	CE / UR / cUR
----------------------------------	---------------

BS Size Reference	Inside Diameter (mm)	Outside Diameter (mm)	Cross Section (mm)	RS Article no.	Inside Diameter (mm)	Cross Section (mm)
0041-16	4.1	7.3	1.6	128805	+/- 0.15	+/- 0.08
0061-16	6.1	9.3	1.6	128811	+/- 0.15	+/- 0.08
0081-16	8.1	11.3	1.6	128827	+/- 0.15	+/- 0.08
0101-16	10.1	13.3	1.6	128833	+/- 0.20	+/- 0.08
0121-16	12.1	15.3	1.6	128849	+/- 0.20	+/- 0.08
0141-16	14.1	17.3	1.6	128855	+/- 0.20	+/- 0.08
0056-24	5.6	10.4	2.4	128861	+/- 0.15	+/- 0.08
0066-24	6.6	11.4	2.4	128877	+/- 0.15	+/- 0.08
0076-24	7.6	12.4	2.4	128883	+/- 0.15	+/- 0.08
0096-24	9.6	14.4	2.4	128899	+/- 0.15	+/- 0.08
0116-24	11.6	16.4	2.4	128906	+/- 0.20	+/- 0.08
0146-24	14.6	19.4	2.4	128912	+/- 0.20	+/- 0.08
0195-30	19.5	25.5	3	128928	+/- 0.25	+/- 0.10
0245-30	24.5	30.5	3	128934	+/- 0.25	+/- 0.10
0265-30	26.4	32.5	3	128940	+/- 0.25	+/- 0.10
0315-30	31.5	37.5	3	128956	+/- 0.30	+/- 0.10
0325-30	32.5	38.5	3	128962	+/- 0.30	+/- 0.10
0395-30	39.5	45.5	3	128978	+/- 0.30	+/- 0.10