

MCT Brattberg SR Datasheet

SR - cable and pipe seals

Sealing cables and pipes between 4 and 100 mm.

The SR glands are designed to seal cables between 4 and 100 mm (0.16" and 3.94") diameter and metal pipes between 4-30 mm.

The seal can be supplied cut to allow pre terminated cables to be installed. It is supplied with a center core providing a seal prior to cable installation.

Make sure the SR is suitable for your application, review type approval certificates, local or any fire requirements.

Designation	No of cables	Cable diameters min mm (inches)	Cable diameters max mm (inches)	Sleeve O/D mm (inches)	Weight incl. sleeve Kg (Oz)
SR-25	1	4 (0.16")	12 (0.47")	33.4 (1.31")	0.21 (7.41)
SR-38-1	1	11 (0.43")	24 (0.94")	48.3 (1.90")	0.33 (11.64)
SR-38-2	2	6 (0.24")	15 (0.59")	48.3 (1.90")	0.35 (12.35)
SR-38-3	4	6 (0.24")	12 (0.47")	48.3 (1.90")	0.33 (11.64)
SR-49	1	20 (0.79")	32 (1.26")	60.3 (2.37")	0.56 (19.75)
SR-62	1	30 (1.18")	42 (1.65")	73 (2.87")	0.88 (31.04)
SR-77	1	42 (1.65")	52 (2.05")	88.9 (3.50")	1.30 (45.86)
SR-102	1	52 (2.05")	70 (2.76")	114.3 (4.50")	2.30 (81.13)
SR-125	1	70 (2.76")	85 (3.47")	141.3 (5.56")	3.41 (120.28)
SR-150	1	85 (3.35")	100 (3.94")	164 (6.46")	4.11 (144.98)

Dimensions in millimeter and inches. Weights in kilograms and ounces.

Alternative cable configurations can be manufactured to suit specific customer requirements.

Sleeve lengths

SR-25	60
SR-38-1	60
SR-38-2	60
SR-38-3	60
SR-49	60
SR-62	70
SR-77	80
SR-102	80
SR-125	80

All measures in millimeters.

Material

Housing sleeve	Mild steel
Seal	High grade silicone (red)
Seal hardware	Stainless steel 316



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Performance

Water-tightness

5 Bar - SR, MSR, GLANDS - Catastrophic pressure load

Maritime resistance to fire

A0, A60

Working temperature

-60/+150°C

SR material data

Trade name: MCT Brattberg SR

Material: SR (Silicone rubber based)

Silicone, red, food grade, meeting regulation (EC) 1935/2004 (European legislation) and FDA classification (American legislation)

Shelf life: 20 years (maximum 35°C, dry and dark)

Service life: Minimum 40 years (depending on the application)

Colour: Red

Density: $1.20 \pm 0.05 \text{ g/cm}^3$

Hardness: ASTM D2240 60 ± 5 Shore A

Tensile strength: ISO 37 $\geq 10.0 \text{ MPa}$

Elongation at break: ISO 37 $\geq 500 \%$

Tear resistance: ISO 34-1 $\geq 20 \text{ N/mm}$

Compression set after 24h at 150°C: ISO 815-1 $\leq 30 \%$

Volume resistivity $> 10^{12} \Omega \cdot \text{m}$.

Surface resistivity $> 10^{13} \Omega$.

Ozone resistance - Very good

Chemical resistance

Diluted acids and bases - Good

Concentrated acids and bases - Medium

Ozone - Very good

Oils and hydrocarbons - Medium

Benefits

Performance

Legality

Food safety

Hygiene, cleanliness

Long life



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Regulations

- Meeting European regulations (EC) n° 1935/2004 and 2023/2006.
- The material is in compliance with FDA 21 CFR Part. 177. Indirect Food Additives: Polymers. Sec 177.2600 Rubber articles intended for repeated use for contact with aqueous food.
- IANESCO certificate (Institut français de Poitiers).
- Quality certificate available under request.
- Lloyds certified
- MED approved
- Pressure tested to 5 Bar
- Gland is manufactured from stainless steel 316L and silicone rubber
- Sleeves are supplied in primed mild steel

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