

MCT Brattberg MSR Datasheet

MSR - cable and pipe seals

Sealing up to 8 cables between 4 and 32 mm.

The MSR glands are designed to seal up to 8 cables between 4 and 32 mm (0.16" and 1.26") diameter.

And pipes between 4-30 mm.

Designation	No of cables	Cable diameter min/max (mm)	MSR required hole size diameter (mm)	Weight incl. sleeve (Kg)
MSR 20 T1	1	4-12	Ø21 +1mm	0,29
MSR 40 T1	1	11-24	Ø41 +1mm	0,47
MSR 40 T2	2	6-15	Ø41 +1mm	0,49
MSR 40 T3	4	6-12	Ø41 +1mm	0,47
MSR 50 T1	5	5-10	Ø51 +1mm	0,79
MSR 50 T2	3	4-16	Ø51 +1mm	0,78
MSR 50 T3	1	20-32	Ø51 +1mm	0,75
MSR 63 T1	4	4-16	Ø64 +1mm	1,00
MSR 63 T2	8	5-10	Ø64 +1mm	1,00
MSR 63 T3	1	20-32	Ø64 +1mm	1,00

The nut on the standard housing is respectively		Material housing nut
MSR 20	M20 <i>BSP style locknut</i>	Brass
MSR 40	M40	Nickel plated brass
MSR 50	M50	Nickel plated brass
MSR 63	M63	Nickel plated brass

Material components parts: Seal, housing, O-ring, Washer & Lock Nut

Material	
Housing	Electro-plated mild steel for transport protection
Housing washer	Zinc plated mild steel
Seal	High grade silicone (red)
Seal hardware	Stainless steel 316
O-ring	EPDM

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

Alternative cable configurations can be manufactured to suit specific customer requirements



MCT Brattberg MSR Datasheet

Performance

Water-tightness

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

Maritime resistance to fire

A0, A60

Working temperature

-60/+150°C

MSR material data

Trade name: MCT Brattberg MSR

Material: MSR (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



MCT Brattberg MSR Datasheet

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

20260505SF



Sweden

Head office
MCT Brattberg AB
Phone: +46 - 455 37 52 00
Email: info@mctbrattberg.se

Address

SE-371 92 Karlskrona, Sweden

United Kingdom

MCT Brattberg Ltd
Phone: +44 - 170 624 4890
E-mail: info@mctbrattberg.co.uk

Address

Commerce Street
Carrs Industrial Estate Haslingden
Lancashire BB4 5JT, England

USA

MCT Brattberg Inc
Phone: +1 346 260 9124
Email: sales@brattberginc.com

Address

3332 Spring Stuebner Rd.
Suite G, Spring, TX 77379, USA

Australia

MCT Brattberg Australia Pty Ltd
Phone: +61 (0)44 710 4422
Email: info@mctbrattberg.com.au

Address

Level 2, Margaret Graham Building
Lot Fourteen
1a Frome Road
Adelaide, SA 5000, Australia

United Arab Emirates

MCT Brattberg UAE
Dubai, United Arab Emirates
Phone: +971 50 277 2151
Email: sony.jose@mctbrattberg.ae

Please visit our website for contact information to your closest MCT Brattberg representative:

www.mctbrattberg.com