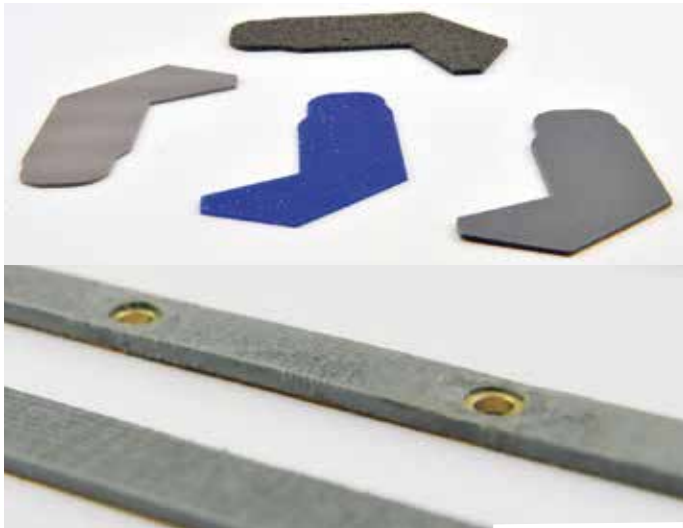


Oriented Wires in Silicone

Oriented wires in silicone are an ideal gasket to provide an environmental seal as well as an EMC shield. The gasket is designed for applications which require a long service life and high performance. These types of gaskets are available in either solid silicone or silicone sponge variants and have the option of self adhesive backing.

On silicone sponge material, we would recommend a compression rate of 20% – 25%. On solid silicone material, we would recommend a compression rate of 15-20%. We would like to point out over compression of these gaskets can cause damage and therefore these gaskets can be provided with limit collars or stops.



Standard Sizes



Dim A (mm):	Dim B (mm)	Part Number:
0.8	2.4	OWS-XX-X-X-0008-0024
0.8	3.2	OWS-XX-X-X-0008-0032
0.8	4.8	OWS-XX-X-X-0008-0048
0.8	6.4	OWS-XX-X-X-0008-0064
0.8	8.0	OWS-XX-X-X-0008-0080
0.8	9.5	OWS-XX-X-X-0008-0095
0.8	12.7	OWS-XX-X-X-0008-0127
0.8	114	OWS-XX-X-X-0008-1140
0.8	152	OWS-XX-X-X-0008-1520
0.8	228	OWS-XX-X-X-0008-2280
1.0	2.4	OWS-XX-X-X-0010-0024
1.0	3.2	OWS-XX-X-X-0010-0032
1.0	4.8	OWS-XX-X-X-0010-0048
1.0	6.4	OWS-XX-X-X-0010-0064
1.0	8.0	OWS-XX-X-X-0010-0080

How to order

Profile Code

- 01 - Solid Silicone
- 02 - Silicone Sponge (Minimum Sheet Thickness - 1mm)
- 03 - Solid Silicone Flame Retardant
- 04 - Silicone Sponge Flame Retardant (Min Sheet 1 Thickness - 1mm)
- 05 - Solid Fluorosilicone - FSS

Wire Type

- 1 - Monel Wires
- 2 - Aluminium Wires

Self Adhesive Backed

- 1 - SAB
- 2 - Non SAB

P/N: OWS-01-1-2-0008-0024 = Monel Wires in Solid Silicone, No SAB, 0.8mm thick x 2.4mm wide.

Dim A (mm):	Dim B (mm)	Part Number:
1.0	9.5	OWS-XX-X-X-0010-0095
1.0	12.7	OWS-XX-X-X-0010-0127
1.0	114	OWS-XX-X-X-0010-1140
1.0	152	OWS-XX-X-X-0010-1520
1.0	228	OWS-XX-X-X-0010-2280
1.2	2.4	OWS-XX-X-X-0012-0024
1.2	3.2	OWS-XX-X-X-0012-0032
1.2	4.8	OWS-XX-X-X-0012-0048
1.2	6.4	OWS-XX-X-X-0012-0064
1.2	8.0	OWS-XX-X-X-0012-0080
1.2	9.5	OWS-XX-X-X-0012-0095
1.2	12.7	OWS-XX-X-X-0012-0127
1.2	114	OWS-XX-X-X-0012-1140
1.2	152	OWS-XX-X-X-0012-1520
1.2	228	OWS-XX-X-X-0012-2280
1.4	2.4	OWS-XX-X-X-0014-0024
1.4	3.2	OWS-XX-X-X-0014-0032
1.4	4.8	OWS-XX-X-X-0014-0048
1.4	6.4	OWS-XX-X-X-0014-0064
1.4	8.0	OWS-XX-X-X-0014-0080
1.4	9.5	OWS-XX-X-X-0014-0095
1.4	12.7	OWS-XX-X-X-0014-0127
1.4	114	OWS-XX-X-X-0014-1140
1.4	152	OWS-XX-X-X-0014-1520
1.4	228	OWS-XX-X-X-0014-2280
1.6	2.4	OWS-XX-X-X-0016-0024
1.6	3.2	OWS-XX-X-X-0016-0032
1.6	4.8	OWS-XX-X-X-0016-0048
1.6	6.4	OWS-XX-X-X-0016-0064
1.6	8.0	OWS-XX-X-X-0016-0080
1.6	9.5	OWS-XX-X-X-0016-0095
1.6	12.7	OWS-XX-X-X-0016-0127
1.6	114	OWS-XX-X-X-0016-1140
1.6	152	OWS-XX-X-X-0016-1520
1.6	228	OWS-XX-X-X-0016-2280
1.8	2.4	OWS-XX-X-X-0018-0024
1.8	3.2	OWS-XX-X-X-0018-0032
1.8	4.8	OWS-XX-X-X-0018-0048
1.8	6.4	OWS-XX-X-X-0018-0064
1.8	8.0	OWS-XX-X-X-0018-0080
1.8	9.5	OWS-XX-X-X-0018-0095
1.8	12.7	OWS-XX-X-X-0018-0127
1.8	114	OWS-XX-X-X-0018-1140
1.8	152	OWS-XX-X-X-0018-1520



Standard Sizes ctd



Dim A (mm):	Dim B (mm)	Part Number:
1.8	228	OWS-XX-X-X-0018-2280
2.0	2.4	OWS-XX-X-X-0020-0024
2.0	3.2	OWS-XX-X-X-0020-0032
2.0	4.8	OWS-XX-X-X-0020-0048
2.0	6.4	OWS-XX-X-X-0020-0064
2.0	8.0	OWS-XX-X-X-0020-0080
2.0	9.5	OWS-XX-X-X-0020-0095
2.0	12.7	OWS-XX-X-X-0020-0127
2.0	114	OWS-XX-X-X-0020-1140
2.0	152	OWS-XX-X-X-0020-1520
2.0	228	OWS-XX-X-X-0020-2280
2.4	2.4	OWS-XX-X-X-0024-0024
2.4	3.2	OWS-XX-X-X-0024-0032
2.4	4.8	OWS-XX-X-X-0024-0048
2.4	6.4	OWS-XX-X-X-0024-0064
2.4	8.0	OWS-XX-X-X-0024-0080
2.4	9.5	OWS-XX-X-X-0024-0095
2.4	12.7	OWS-XX-X-X-0024-0127
2.4	114	OWS-XX-X-X-0024-1140
2.4	152	OWS-XX-X-X-0024-1520
2.4	228	OWS-XX-X-X-0024-2280
3.2	3.2	OWS-XX-X-X-0032-0032
3.2	4.8	OWS-XX-X-X-0032-0048
3.2	6.4	OWS-XX-X-X-0032-0064
3.2	8.0	OWS-XX-X-X-0032-0080
3.2	9.5	OWS-XX-X-X-0032-0095

Dim A (mm):	Dim B (mm)	Part Number:
3.2	12.7	OWS-XX-X-X-0032-0127
3.2	114	OWS-XX-X-X-0032-1140
3.2	152	OWS-XX-X-X-0032-1520
3.2	228	OWS-XX-X-X-0032-2280
4.8	4.8	OWS-XX-X-X-0048-0048
4.8	6.4	OWS-XX-X-X-0048-0064
4.8	8.0	OWS-XX-X-X-0048-0080
4.8	9.5	OWS-XX-X-X-0048-0095
4.8	12.7	OWS-XX-X-X-0048-0127
4.8	114	OWS-XX-X-X-0048-1140
4.8	152	OWS-XX-X-X-0048-1520
4.8	228	OWS-XX-X-X-0048-2280
6.4	6.4	OWS-XX-X-X-0064-0064
6.4	8.0	OWS-XX-X-X-0064-0080
6.4	9.5	OWS-XX-X-X-0064-0095
6.4	12.7	OWS-XX-X-X-0064-0127
6.4	114	OWS-XX-X-X-0064-1140
6.4	152	OWS-XX-X-X-0064-1520
6.4	228	OWS-XX-X-X-0064-2280
8.0	8.0	OWS-XX-X-X-0080-0080
8.0	9.5	OWS-XX-X-X-0080-0095
8.0	12.7	OWS-XX-X-X-0080-0127
8.0	114	OWS-XX-X-X-0080-1140
8.0	152	OWS-XX-X-X-0080-1520
8.0	228	OWS-XX-X-X-0080-2280
9.5	9.5	OWS-XX-X-X-0095-0095
9.5	12.7	OWS-XX-X-X-0095-0127
9.5	114	OWS-XX-X-X-0095-1140
9.5	152	OWS-XX-X-X-0095-1520
9.5	228	OWS-XX-X-X-0095-2280

Shielding Effectiveness (MIL STD 285)

	dB
10 KHz	55
100 KHz	83
1MHz	101
10MHz	120
100MHz	135
400MHz	102
1GHz	95
10GHz	85
Temp Range (°C)	-30 to +160
Wire Count	140 +/- 15% per cm
Compression	20% max

Specification

Material Property Value

Solid Silicone rubber	ZZ-R-765 2b 40
Sponge Silicone rubber	AMS 3195
Fluorosilicone rubber	Mil-R-25988 Gr 50
Monel wire	BS3075 - NA13 (0.11mm D)
Aluminium 5056	AMS 4182 (0.13mm D)
Phosphor Bronze	Cu Sn 6% (0.114mm D)
Temperature range	- 55 to + 250°C

Availability:

- Sheets either 150mm or 228mm wide
- Slit in to strips supplied in any length you require
- Connector Gaskets
- Fabricated Gaskets
- Solid Silicone (140 wires/cm²)
- Silicone Sponge version (100 wires/cm²)
- Fluorosilicone version available of both solids and sponges
- Cost Effective due to non-constraints' of sheet size
- Minimum Thickness - 0.8mm for Solid Silicone
- Minimum Thickness - 1.0mm for Silicone Sponge

Features:

- Easily adaptable to uneven surfaces
- Wide range of uses
- EMP survivability

Tolerances:

- Linear: +/- 0.8 mm
- Hole Centres: +/- 0.4mm
- Thickness: +/- 0.2 mm

