

3.

**ELECTRO
COAT.**



GENERAL INFORMATION

Electro-coat series material is a very soft gasket with good shielding properties.

The resilient inner core remains free of metal fillers, resulting in optimum compression and ageing properties. Silver conductive material is only present in the outer thin membrane for excellent conductive properties and very low compression force.

The most common inner core used is a standard silicone profile with shore 50. Depending from the material thickness, other shore hardnesses may be possible.

Please ask for feasibilities.

Customizations



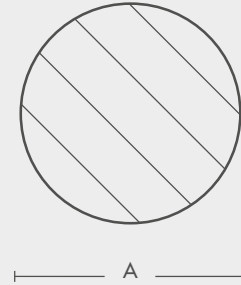
FEATURES AND BENEFITS

- Excellent shielding effectiveness greater than 90 dB.
- Coated foam gaskets have a low compression force with shielding performance approaching that of traditional elastomers filled with silver plated particles.
- Wide compression range from 10% to 70% deflection to accommodate uneven gaps in enclosure housings.
- The coating will maintain the flammability rating of the inner core material.

O-STRIP

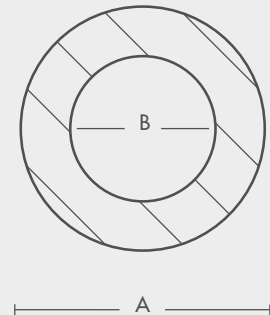
Code **A (mm)**

EC-OS-xx-AG-001	2.0
EC-OS-xx-AG-002	3.2
EC-OS-xx-AG-003	3.5
EC-OS-xx-AG-004	3.8
EC-OS-xx-AG-005	5.0

**HOLLOW O-STRIP**

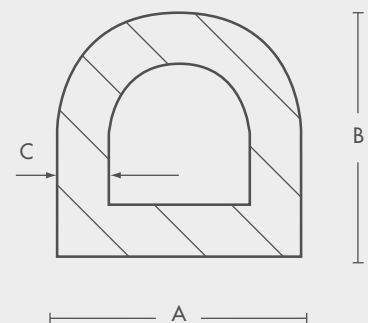
Code **A (mm)** **B (mm)**

EC-HO-xx-AG-001	0.9	0.5
EC-HO-xx-AG-002	1.2	0.7
EC-HO-xx-AG-003	2.1	0.8
EC-HO-xx-AG-004	3.2	1.2
EC-HO-xx-AG-005	4.8	2.8

**HOLLOW D-STRIP**

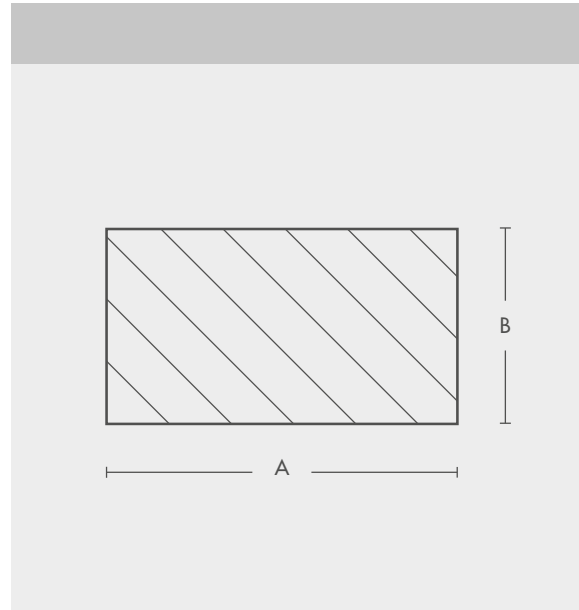
Code **A (mm)** **B (mm)** **C (mm)**

EC-HD-xx-AG-001	2.8	3.2	0.6
EC-HD-xx-AG-002	3.7	3.7	0.4
EC-HD-xx-AG-003	6.0	6.4	1.0
EC-HD-xx-AG-004	6.4	6.4	1.7
EC-HD-xx-AG-005	7.5	7.9	1.0



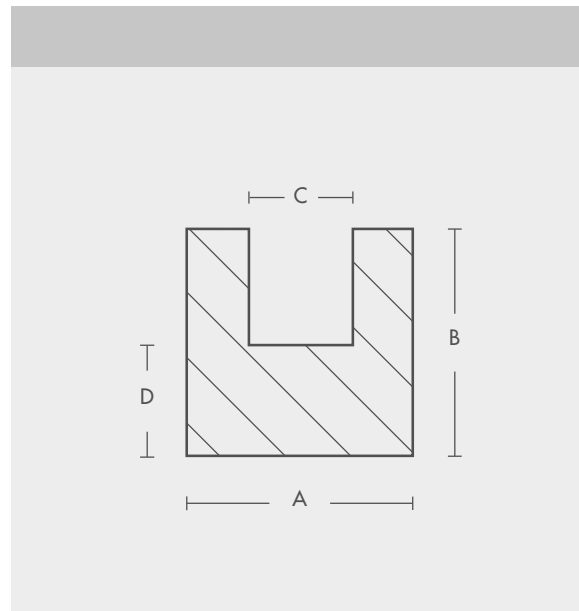
RECTANGULAR STRIP

Code	A (mm)	B (mm)
EC-RE-xx-AG-001	6.4	1.6
EC-RE-xx-AG-002	25.4	3.2



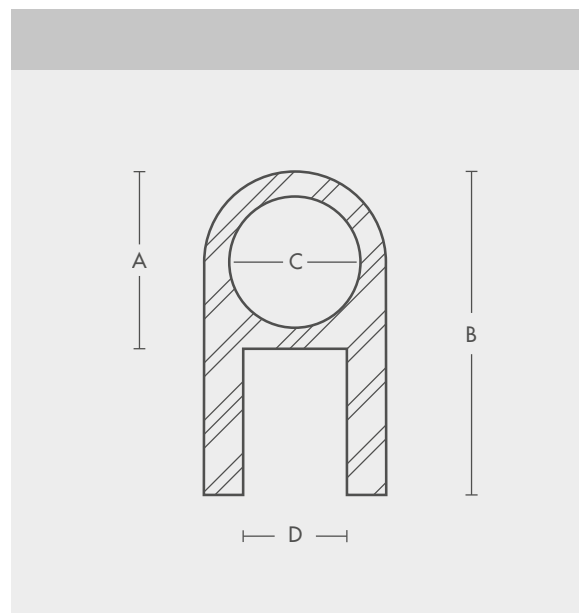
U-STRIP

Code	A (mm)	B (mm)	C (mm)	D (mm)
EC-US-xx-AG-001	4.0	4.0	1.9	1.2
EC-US-xx-AG-002	6.4	6.4	3.2	1.6



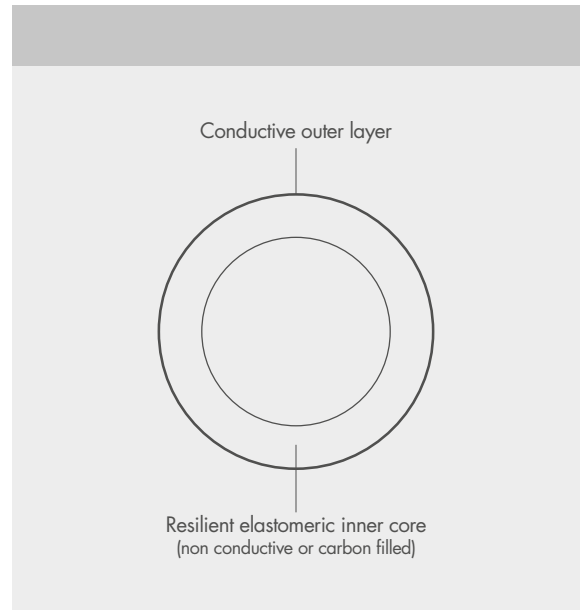
A-STRIP

Code	A (mm)	B (mm)	C (mm)	D (mm)
EC-AS-xx-AG-001	5.0	10.0	1.6	1.6

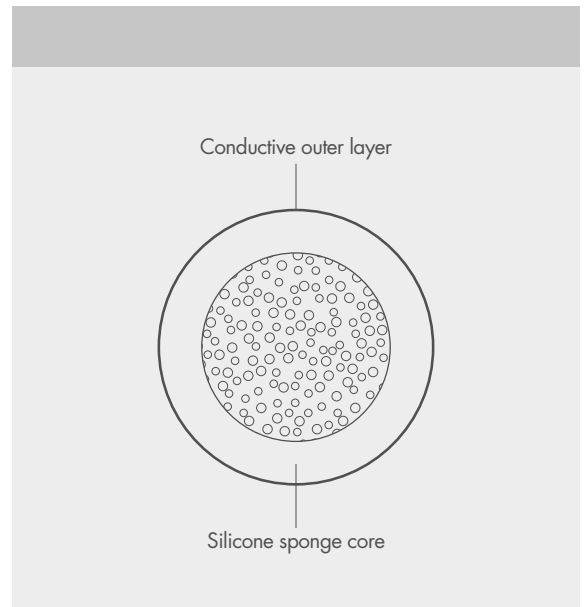


GASKET COSTRUCTION

- A variety of profiles offer also a variety of attachment methods. Some of the profiles can be equipped with a pressure sensitive non conductive silicone adhesive tape.
- Profiles to customer specification can be tooled.



SPONGE COSTRUCTION

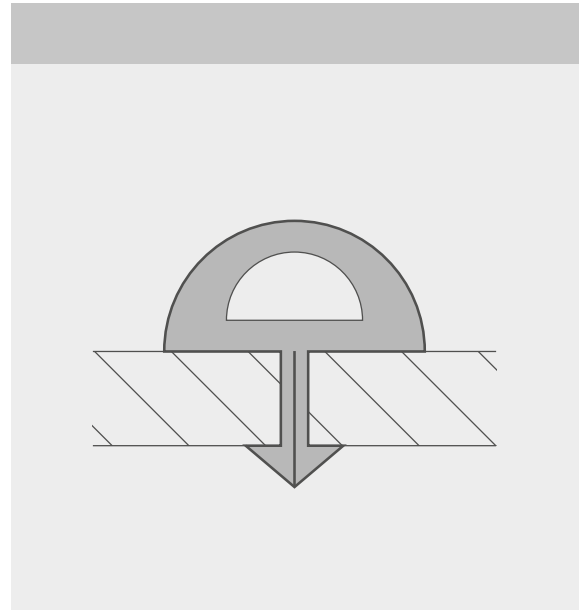


MATERIALS

- **SPONGE SILICONE** Similar to shore: 8 - 13° (DIN 53505)
Density approx.: 0,4 g/cm³ (DIN 53479)
Max temperature: 200 °C
Mechanical tolerances: ± 10%

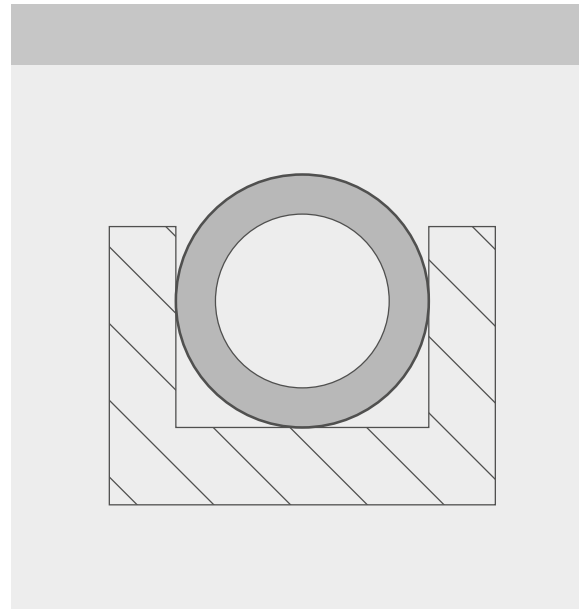
ATTACHMENT METHODS

- Dart-Press-Fit.



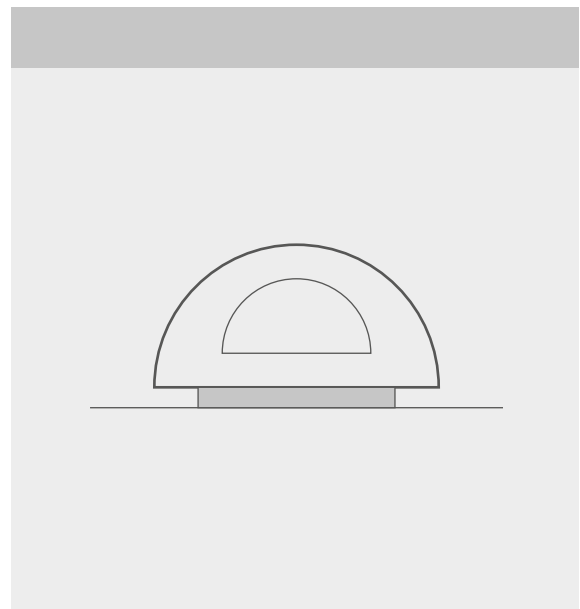
ATTACHMENT METHODS

- Groove.



ATTACHMENT METHODS

- Pressure sensitive adhesive.
- Pressure sensitive adhesive can be provided as optional on Hollow D-Strip.



TOLERANCES

Extruded Parts (mm)

- Up to 5.0 ± 0.10
- > 5.0 to 9.0 ± 0.20
- > 9.0 ± 0.25

Sponge (mm)

- Up to 2.5 ± 0.35
- > 2.5 to 4.0 ± 0.40
- > 4.0 to 6.3 ± 0.50
- > 6.3 to 10.0 ± 0.70
- > 10.0 to 16.0 ± 0.80

MATERIAL

xx	Core Material	Shore Hardness
SF	Silicone Foam	5 < D < 10
SS	Solid Silicone	50
FR	Flame resistant Foam Silicone	5 < D < 10

Coating	Material
AG	Silver/Silicone

ORDERING INFORMATION

EC - **OS** - **xx** - **AG** - **001**

EC	Product Family
OS	OS = O-Strip / HO = Hollow O-Strip / RE = Rectangular Strip / HD = Hollow D-Strip US = U-Strip / AS = A-Strip
xx	SF = Silicone Foam / SS = Solid Silicone / FR = Flame resistant Foam Silicone
AG	Silver Silicone
001	Dimension