

VSBM

Foam Rings



The foam ring is designed for gripping products with an uneven or ridged surface, e.g.

- Sawn wood, sheet metal, flat surfaces with bumps or hollows.
- All granular surfaces to which suction cups cannot adhere correctly and therefore cannot be airtight.

Industry-specific applications



Types of use



Materials

NBR Nitrile

SI Non Food-grade silicone

SIF Food-grade silicone FDA Standard

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VSBM

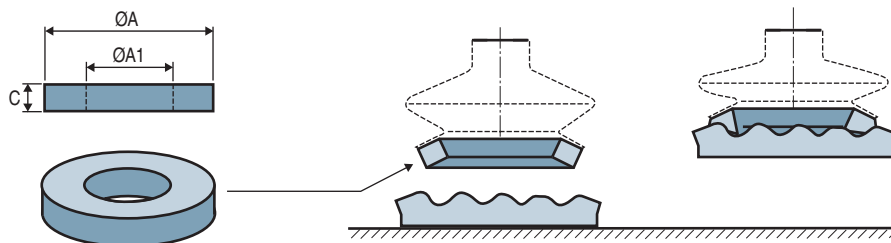
Operating Characteristics of the Materials

- **Nitrile (NBR - Black)**
5 or 10mm thick, depending on the diameters of the suction cups.
Good resistance to oil.
The nitrile foam strip can only be bonded to nitrile suction cups.
- **Silicone (SI - White non Food-grade silicone, SIF - White Food-grade silicone FDA Standard)**
2 or 5 mm thick, depending on the diameters of the suction cups.
Heat-resistant up to 392°F, does not leave marks on products handled.
Do not use the silicone foam strip for gripping products before painting or lacquering.
The silicone foam strip can only be bonded onto silicone suction cups (bonding is guaranteed if it is carried out in the factory).
- **Mounting**
The foam rings are mounted by bonding. In all cases, this should be performed in our factory as we have the adhesives adapted to the materials. It is essential that bonding of silicone be carried out in the COVAL factory.

Foam Ring Characteristics

NBR						SI / SIF					
Part Nr.	ØA	ØA1	C	f ⁽¹⁾	⚖️ (g)	Part Nr.	ØA	ØA1	C	f ⁽¹⁾	⚖️ (g)
VSBM32	32	22	5	2.5	0.3	VSBM20SI / SIF	20	10	2	1.0	0.2
VSBM42	42	28	5	2.5	0.7	VSBM25SI / SIF	25	13	2	1.0	0.4
VSBM53	53	33	10	5.0	2.7	VSBM32SI / SIF	32	19	2	1.0	0.5
VSBM62	62	42	10	5.0	2.8	VSBM42SI / SIF	42	20	5	2.5	2.2
VSBM78	78	58	10	5.0	3.7	VSBM53SI / SIF	53	33	5	2.5	2.8
VSBM88	88	68	10	5.0	4.6	VSBM62SI / SIF	62	42	5	2.5	3.4
						VSBM78SI / SIF	78	54	5	2.5	5.2
						VSBM88SI / SIF	88	64	5	2.5	6.4

Note: Suction cups with bellows are preferable when foam rings are required, as the slope of the lips is better suited to this type of grip. Please consult us for other models based on quantities.



Please specify the part n°. e.g. VSBM32SI
See part n° table above

The values represent the average characteristics of our products.

(1) f = Deflection of the suction cup.

Note: All dimensions are in mm.