

# VSBM

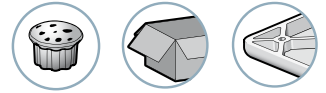
## Foam Rings



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      **SIT5** Translucent silicone      **Si** Silicone

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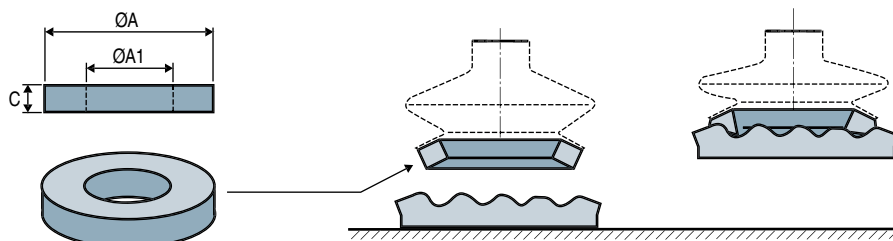
### Operating Characteristics of the Materials

- **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)**  
2 or 5 mm thick, depending on the diameters of the suction cups.  
Heat-resistant up to 160°C, 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					
Part Nr.	ØA	ØA1	C	f <sup>(1)</sup>	⚖️ (g)	Part Nr.	ØA	ØA1	C	f <sup>(1)</sup>	⚖️ (g)
VSBM32	32	22	5	2.5	0.3	VSBM20SI	20	10	2	1.0	0.2
VSBM42	42	28	5	2.5	0.7	VSBM25SI	25	13	2	1.0	0.4
VSBM53	53	33	10	5.0	2.7	VSBM32SI	32	19	2	1.0	0.5
VSBM62	62	42	10	5.0	2.8	VSBM42SI	42	20	5	2.5	2.2
VSBM78	78	58	10	5.0	3.7	VSBM53SI	53	33	5	2.5	2.8
VSBM88	88	68	10	5.0	4.6	VSBM62SI	62	42	5	2.5	3.4
						VSBM78SI	88	64	5	2.5	5.2
						VSBM88SI	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.