

# KNITTED WIRE MESH HOLLOW SILICONE GASKETS 1200H

Universal EMC gasket to shield lower frequencies



A knitted wire mesh gasket with a hollow silicone core delivers an excellent EMI/RFI shielding and reliable environmental sealing, thanks to its conductive metal mesh layer and compressible, durable silicone profile. This hybrid design ensures high electromagnetic interference attenuation, flexibility, and resistance to chemicals and high temperatures. The gasket's hollow silicone profile ensures maximum compression, resilience, and robust environmental sealing in demanding applications.

For high-frequency shielding, foil-based gaskets like Amucor shielding gasket will perform better, because of their much larger contact surface.

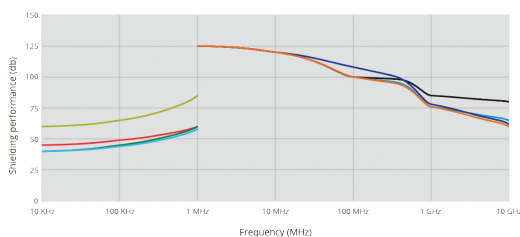
## METAL KNIT GASKET VS. AMUCOR SHIELD



Contact points of Amucor shield

Contact points of metal knit gasket

## SHIELDING PERFORMANCE\*



- Monel (H field)
- Monel (E field + P field)
- Aluminium (H field)
- Aluminium (E field + P field)
- TCS (H field)
- TCS (E field + P field)
- S/Steel (H field)
- S/Steel (E field + P field)

## BENEFITS

- Combines flexible fit
- Long-term durability and wear-resistant
- High attenuation for lower frequencies (low-frequency magnetic shielding)
- Suitable for use under extreme conditions (military applications)
- Not susceptible to corrosion
- Various conductive materials against tension corrosion
- Roll lengths of 1 to 1000 meters (depending on width and height of the gasket)
- Tools required: pair of scissors

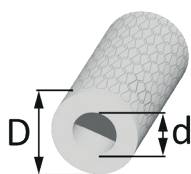
## TECHNICAL SPECIFICATIONS

Material	Applications
Monel Per QQ-N-281 BS 3075 N A 13 Class A diameter 0.11mm	The most commonly used material. Insensitive to corrosion and neutral on the galvanic scale.
Aluminium AMS 4187 BS 1475 5056A Alloy 5056 diameter 0.16mm	Used in some cases for aluminium enclosures.
T.C.S. Steel core (57%) Copper cladding (40%) Tin plating (3%) diameter 0.11mm	Excellent magnetic as well as electrical properties, because a Ferro alloy is covered with copper. The outside is tinned to prevent corrosion.
Stainless steel AISI 304 diameter 0.13mm	The strongest material with shielding performance comparable to aluminium. Highly wear-resistant.

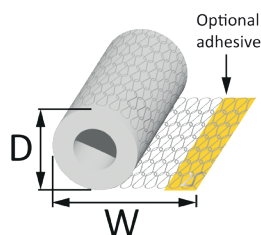
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### STOCK DIMENSIONS

Below are all the standard sizes we keep in stock and so are available quickly. Almost any size and combination can be produced. If you need a size that is not listed below please contact for the options and delivery time.



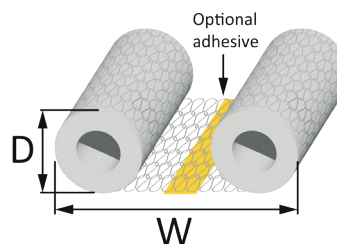
Round (R) D (mm)	
3.2 x 1.6	9.5 x 6.4
4.8 x 3.2	11.1 x 8.0
6.4 x 3.2	12.7 x 9.5
8.0 x 4.8	14.9 x 11.1



Round with tail (T) d x w (mm)		
3.2 x 12.7	6.4 x 12.7	9.5 x 15.9
3.2 x 15.9	6.4 x 15.9	9.5 x 19.1
3.2 x 19.1	6.4 x 19.1	9.5 x 25.4
4.8 x 12.7	6.4 x 25.4	12.7 x 19.1
4.8 x 15.9	8.0 x 15.9	12.7 x 25.4
4.8 x 19.1	8.0 x 19.1	
4.8 x 25.4	8.0 x 25.4	

### ORDER EXAMPLE

Series	Material	Outside shape	Dimensions	Waterseal (Optional)	Adhesive
<b>1200H</b>	<ul style="list-style-type: none"> <li>N : Not important</li> <li>M : Monel</li> <li>T : TCS</li> <li>A : Aluminium</li> <li>S : Stainless steel</li> </ul>	<ul style="list-style-type: none"> <li>R : Round</li> <li>DR : Double round</li> <li>T : Round with tail</li> </ul>	Find the sizes in the dimension table	<ul style="list-style-type: none"> <li>N : No waterseal</li> <li>Specify the width of the water seal in mm</li> </ul>	<ul style="list-style-type: none"> <li>N : Not adhesive</li> <li>A : With adhesive placed in the middle</li> <li>AS : With adhesive placed asymmetrical</li> </ul>
					Length (meters)
					<input style="width: 100px;" type="text"/>



Double round (DR) d x w (mm)		
3.2 x 12.7	6.4 x 12.7	9.5 x 15.9
3.2 x 15.9	6.4 x 15.9	9.5 x 19.1
3.2 x 19.1	6.4 x 19.1	9.5 x 25.4
4.8 x 12.7	6.4 x 25.4	
4.8 x 15.9	8.0 x 15.9	
4.8 x 19.1	8.0 x 19.1	
4.8 x 25.4	8.0 x 25.4	

### WITH WATER SEAL/IP SEAL

All knitted mesh EMI/RFI gaskets can be produced with a water seal/IP seal.

The standard material for the fluid seal/water seal is Neoprene which can be adhesive-backed (indicated in red in the drawings) for easy installation. Alternatively, silicone sponge is also available.

