Kemtron
Proven EMC Shielding Performance

Knitted Wire Mesh

Overview

A range of knitted wire mesh gaskets, providing a cost-effective solution to high shielding performance applications in the magnetic and electrical fields RFI/EMI and including EMP.

Manufactured on a circular wire knitting machine using a single wire. The mono-filament interlocking-loop construction gives strength while allowing it to conform to almost any size or shape. The manufacturing process allows for an optional elastomer core to be included in to the product to aid compression. An additional environmental seal/carrier is also an option. It is available in a variety of combinations to suit many EMC and environmental sealing applications.

Kemtron's knitted wire mesh is available in 3 options

1. Solid Knitted Wire Mesh.
2. Elastomer cored knitted wire mesh.
3. Knitted wire mesh with an additional environmental seal.

Production Capabilities

Kemtron has developed its knitted wire mesh production facility and expertise in this area to enable it to produce RFI/EMI gaskets in a wide range of materials and in many different size configurations. Together with our extensive fabrication capabilities and large stocks of raw materials, we can manufacture knitted wire mesh gaskets to suit many applications.

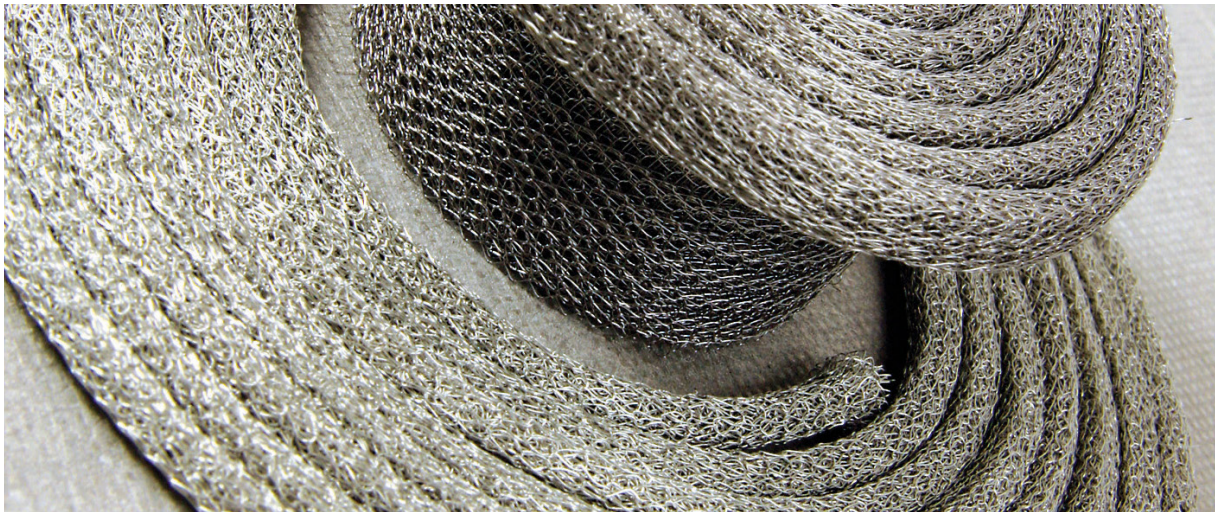
We offer a bespoke service, which can also produce economical gaskets, with good delivery times, in prototype quantities or for short, medium or large commercial production runs.

Summary	Solid Knitted Wire Mesh	Elastomer Cored Knitted Wire Mesh	Knitted Wire Mesh with an Additional Environmental seal
RFI/EMI/EMC shield	•	•	•
EMP survivability	•	•	•
Environmental seal	Dust only	Dust only	•
Frequent opening		•	•
Continuous lengths	•	•	•
Cut to length	•	•	•
Fabricated gasket	•	•	•
Mesh over elastomer core		•	•
Silicone/neoprene carrier			•
Compression stops /collars			•

19-21 Finch Drive, Springwood Industrial Estate, Braintree, Essex CM7 2SF, United Kingdom. **T** +44 (0)1376 348115, **F** +44 (0)1376 345885, **E** info@kemtron.co.uk, www.kemtron.co.uk

Kemtron
Proven EMC Shielding Performance

Knitted Wire Mesh
Solid Knitted Wire Mesh



Product Overview

The product consists of a knitted wire that is formed into an all wire profile forming a continuous gasket strip.

Application
Solid knitted mesh gaskets provide an excellent EMI/RFI/EMP gasket shield between two metallic surfaces and with the choice of wire mesh material available allows for a good galvanic match with mating flanges, thereby limiting the possibility of corrosion between gasket and flange.

- RFI/EMI/EMP applications.
- Panel seals in screened rooms.
- Areas with infrequent access.
- Cable Shielding (Wrapping with flat bandage).

Availability
- In continuous lengths, cut to length or fabricated into finished gaskets by spot welding and stitching to suit customer requirements.
- Variety of profiles and sizes available.
- Fabricated gaskets.
- Compressed mesh rings.
- Self adhesive backing is not recommended with this version of mesh.

Design Considerations
- Consideration should be given to the termination of cut mesh ends. Sometimes loose wires are evident after cutting. Kemtron are experts at mesh termination however if you choose to cut the mesh yourself loose wires can be avoided by:
  – Dipping the end in glue,
  – Spot welding the cut end.
  – Sewing the cut mesh end.
- Compression forces required to achieve good contact. Also the rigidity of the host metalwork.
- Galvanic compatibility. Select from a choice of wire.
- Water and moisture sealing is not possible with this product. However it does offer a limited dust seal.
- Solid knitted wire mesh suffers from compression set. So it is not recommended for frequent opening of panels.

19-21 Finch Drive, Springwood Industrial Estate, Braintree, Essex CM7 2SF, United Kingdom. **T** +44 (0)1376 348115, **F** +44 (0)1376 345885, **E** info@kemtron.co.uk, www.kemtron.co.uk

Kemtron
Proven EMC Shielding Performance

Knitted Wire Mesh
Solid Knitted Wire Mesh

Technical Specifications

Typical Shielding Performance

H Field				
MHz	0.01	0.1	1.0	10.0
Monel	28	45	64	>104
TCS	47	67	88	>104
S/St	35	43	50	
Aluminium	36	47	64	>104

E Field				
MHz	0.1	1.0	10	100
Monel	>118	>136	>123	99
TCS	>118	>136	>126	109
S/St	119	102		
Aluminium	>118	>136	>120	91

P Field				
MHz	400	1000	10,000	
Monel	96	84	46	
TCS	98	77	43	
S/St	85	62	36	
Aluminium	86	72	34	

Materials

Monel Alloy 400 Wire (Mon)
Wire diameter 0.11mm.
UK Specification to BS3075 NA13
USA Specification to AMS 4730

Tin Plated Copper Clad Steel (TCS)
Wire diameter 0.11mm
UK Specification BS2316*, BS4087*
USA Specification ASTM B277*, ASTM B452*, ASTM B520, ASTM B33*, AISI 1010
* There is no complete specification for this material. Processes have been derived from parts of the above where applicable.

Stainless Steel (S/St)
UK Specification BS EN 10088-3 2005 316 S19
Wire diameter 0.11mm

Aluminum (Alu)
Specification BS EN 537 pt 3
Wire diameter 0.13mm

Tolerances
Round and rectangular sections +/-0.8mm
Fin Dimensions +/- 1.5mm

How To Order

The sizes shown on the tables are typical examples of our range other sizes are available on request.

To make a part number, use the wire material code from the "material code" box followed by the part number.

Part No i.e.	
112-0032	round section monel wire 3.2mm diameter

Flat Bandage

Note: This product is approx 0.5mm thick.

Profile

	Material Code				
	Mon	TCS	S/St	Alu	
	142	144	146	148	
Width					Part Number
6.4					0064
12.7					0127
19.1					0191
25.4					0254
38.1					0381

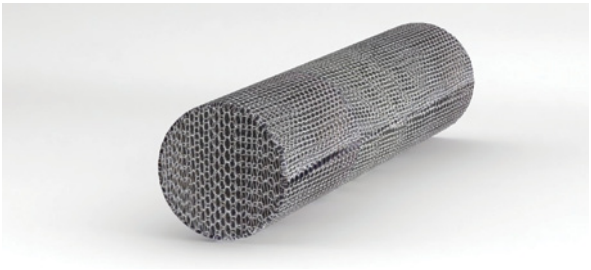
Other sizes are available on request

19-21 Finch Drive, Springwood Industrial Estate, Braintree, Essex CM7 2SF, United Kingdom. **T** +44 (0)1376 348115, **F** +44 (0)1376 345885, **E** info@kemtron.co.uk, www.kemtron.co.uk

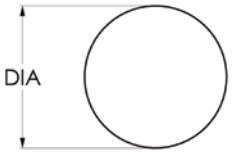
Knitted Wire Mesh
Solid Knitted Wire Mesh

Technical Specifications (Continued)

Round



Profile

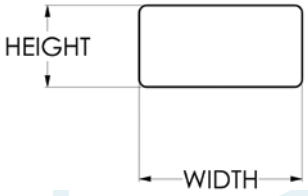


	Material Code				
	Mon	TCS	S/St	Alu	
	112	114	116	118	
Diameter					Part Number
1.6					0016
2.4					0024
3.2					0032
4.8					0048
6.4					0064
8.0					0080
9.5					0095
12.7					0127

Other sizes are available on request

Rectangular

Profile



		Material Code				
		Mon	TCS	S/St	Alu	
		132	134	136	138	
Height	Width					Part Number
1.6	1.6					0016-0016
1.6	2.4					0016-0024
1.6	3.2					0016-0032
1.6	4.8					0016-0048
2.4	2.4					0024-0024
2.4	3.2					0024-0032
2.4	4.8					0024-0048
3.2	3.2					0032-0032
3.2	4.8					0032-0048
3.2	6.4					0032-0064
3.2	9.5					0032-0095
4.8	4.8					0048-0048
4.8	6.4					0048-0064
4.8	9.5					0048-0095
6.4	6.4					0064-0064
6.4	9.5					0064-0095
9.5	9.5					0095-0095

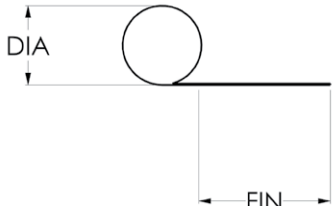
Other sizes are available on request

Knitted Wire Mesh
Solid Knitted Wire Mesh

Technical Specifications (Continued)

Round with Fin

Profile

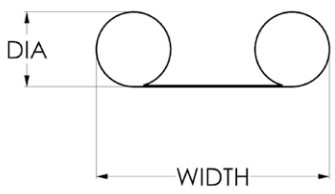


		Material Code			
		Mon	TCS	S/St	Alu
		122	124	126	128
Dia	**Fin W**				**Part Number**
3.2	6.4				0032-0064
3.2	9.5				0032-0095
3.2	12.7				0032-0127
4.8	9.5				0048-0095
4.8	12.7				0048-0127
4.8	15.9				0048-0159
6.4	9.5				0064-0095
6.4	12.7				0064-0127
6.4	15.9				0064-0159
8.0	9.5				0080-0095
8.0	12.7				0080-0127
8.0	15.9				0080-0159
9.5	12.7				0095-0127
9.5	15.9				0095-0159
12.7	12.7				0127-0127

Other sizes are available on request

Twin Round with Fin

Profile



		Material Code			
		Mon	TCS	S/St	Alu
		152	154	156	158
Dia	**Width**				**Part Number**
3.2	12.7				0032-0127
3.2	19.1				0032-0191
3.2	25.4				0032-0254
4.8	19.1				0048-0191
4.8	25.4				0048-0254
6.4	19.1				0064-0191
6.4	25.4				0064-0254

Other sizes are available on request

Kemtron
Proven EMC Shielding Performance

Knitted Wire Mesh Over an Elastomer Core

Product Overview

This product is a knitted wire mesh over an elastomer core such as neoprene or silicone cellular profile or tube. Usually this consists of 2 layers of knitting over the elastomer core but small sections 1.5mm diameter requiring only 1 layer. The knitted mesh is then formed into the selected profile making a continuous gasket strip which is flexible and compressible and which makes an excellent RFI/EMI/EMP gasket.

Application

In addition to making an excellent EMI/RFI/EMP shield between two metallic surfaces the choice of wire mesh material available also allows for a good galvanic match with mating flanges, thereby limiting the possibility of corrosion between gasket and flange. Further, the elastomer core of the gasket allows it to be compressed using low to medium force conforming to uneven surfaces and recovering well after use.

- Groove gaskets such as 'O' rings.
- Due to its resiliency and low compression force, ideal for use in situations where repeated opening and closing operations are necessary.

Availability

- In continuous lengths.
- Cut to length.
- Fabricated into finished gaskets.
- Variety of profiles and sizes.
- Fabricated gaskets.
- Selection of wire to meet galvanic compatibility requirements.
- Large selection of elastomer cores are available to meet conditions such as temperature range, compression set, compression force.
- Although round or rectangular cross sections are the most commonly used, other sections can be made to custom designs.
- Where EMP protection is needed, a minimum of 7 layers is recommended. Additional layers can also be added depending on the application of the equipment and degree of shielding required.
- Self adhesive backing is not recommended with this version of mesh.

Design Considerations

- Consideration should be given to the termination of cut mesh ends. Sometimes loose wires are evident after cutting. Kemtron are experts at mesh termination however if you choose to cut the mesh yourself loose wires can be avoided by:
  – Dipping the end in glue,
  – Spot welding the cut end.
  – Sewing the cut mesh end.
- Compression forces required to allow good contact. Also the rigidity of the host metalwork.
- Galvanic compatibility. Select from a choice or wire.
- Water and moisture sealing is not possible with this product. However, it does offer a limited dust seal.

19-21 Finch Drive, Springwood Industrial Estate, Braintree, Essex CM7 2SF, United Kingdom. **T** +44 (0)1376 348115, **F** +44 (0)1376 345885, **E** info@kemtron.co.uk, www.kemtron.co.uk

Kemtron
Proven EMC Shielding Performance

Knitted Wire Mesh Over an Elastomer Core

Technical Specifications

Typical Shielding Performance

H Field

MHz	0.01	0.1	1.0	10.0
Monel	28	45	64	>104
TCS	47	67	88	>104
S/St	35	43	50	

E Field

MHz	0.01	0.1	1.0	10.0
Monel	>118	>136	>123	99
TCS	>118	>136	>126	109
S/St	119	102		

P Field

MHz	400	1000	10,000
Monel	96	84	46
TCS	98	77	43
S/St	85	62	36

Materials

Monel Alloy 400 Wire
Wire diameter 0.11mm.
UK Specification to BS3075 NA13
USA Specification to AMS 4730

Tin Plated Copper Clad Steel (TCS)
Wire diameter 0.11mm
UK Specification BS2316*, BS4087*
USA Specification ASTM B277*, ASTM B452*, ASTM B520, ASTM B33*, AISI 1010
* There is no complete specification for this material. Processes have been derived from parts of the above where applicable.

Stainless Steel (S/St)
UK Specification BS EN 10088-3 2005 316 S19
Wire diameter 0.11mm

Aluminum (Alu)
Specification BS EN 537 pt 3
Wire diameter 0.13mm

Solid Silicone Rubber
Generally meets ZZ-R-765
Temperature range -40°C to +200°C
Service life >20 years

Sponge Silicone Rubber
USA Specification AMS 3195
Temperature range -40°C to +200°C
Service life >20 years

Sponge Neoprene Rubber
USA Specification ASTM D1056 (84) SCE 42
Temperature range -15°C to +80°C
Condition medium

Tolerances on Rubbers
Note: All sizes listed are that of the Elastomer core, Allowances must be made for the wire mesh
1 layer approximately 0.4mm and 2 layers 0.8mm
Round and rectangular mesh sections +/-0.8mm
Up to 2.0mm diameter or thickness ± 0.5mm
2.0mm to 10.0mm diameter or thickness ± 0.8mm
Above 10mm diameter or thickness ± 1.5mm

How To Order

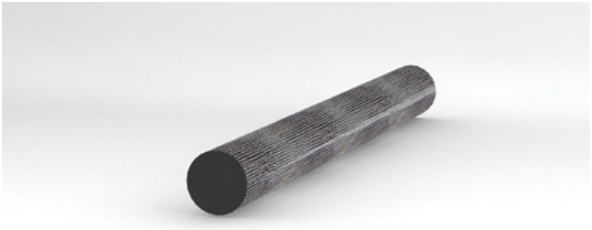
The sizes shown on the tables are typical examples of our range other sizes are available on request.

To make a part number, use the wire material code from the "material code" box followed by the part number.

Part No i.e.	
212-0032	round section with 2 layers monel wire over 3.2mm diameter silicone sponge

Round

Neoprene Sponge Core



Profile

	Material Code				
	Mon	TCS	S/St	Alu	
	202	204	206	208	
Dia					Part Number
3.2					0032
4.8					0048
6.4					0064
9.5					0095
12.7					0127

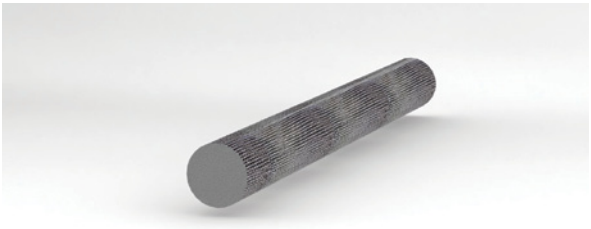
Other sizes are available on request

19-21 Finch Drive, Springwood Industrial Estate, Braintree, Essex CM7 2SF, United Kingdom. **T** +44 (0)1376 348115, **F** +44 (0)1376 345885, **E** info@kemtron.co.uk, www.kemtron.co.uk

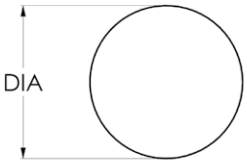
Knitted Wire Mesh Over an Elastomer Core

Technical Specifications (Continued)

Round
Silicone Sponge Core



Profile



	Material Code				
	Mon	TCS	S/St	Alu	
	212	214	216	218	
Dia					Part Number
1.6					0016
2.4					0024
3.2					0032
4.8					0048
6.4					0064
8.0					0080
9.5					0095
12.7					0127

Other sizes are available on request

Round
Silicone Tube Core

Profile

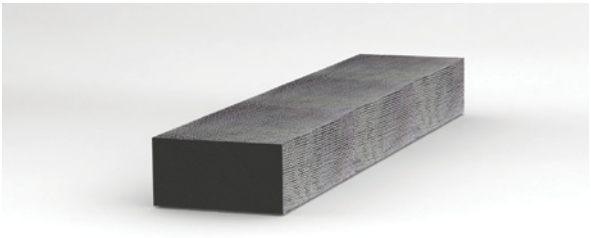
	Material Code				
	Mon	TCS	S/St	Alu	
	242	244	246	248	
Dia					Part Number
1.6					0016
2.4					0024
3.2					0032
4.8					0048
6.4					0064
8.0					0080
9.5					0095
12.7					0127

Other sizes are available on request

Knitted Wire Mesh Over an Elastomer Core

Technical Specifications (Continued)

Rectangular
Silicone Sponge Core

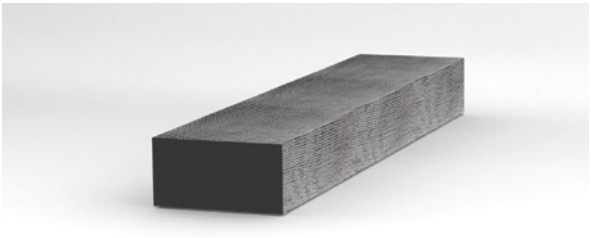


Profile

		Material Code			
		Mon	TCS	S/St	Alu
		232	234	236	238
Ht	**Width**				**Part Number**
3.2	3.2				0032-0032
3.2	4.8				0032-0048
3.2	6.4				0032-0064
3.2	9.5				0032-0095
3.2	12.7				0032-0127
4.8	4.8				0048-0048
4.8	6.4				0048-0064
4.8	9.5				0048-0095
4.8	12.7				0048-0127
6.4	6.4				0064-0064
6.4	9.5				0064-0095
6.4	12.7				0064-0127
9.5	9.5				0095-0095
9.5	12.7				0095-0127
12.7	12.7				0127-0127

Other sizes are available on request

Rectangular
Neoprene Sponge Core



Profile

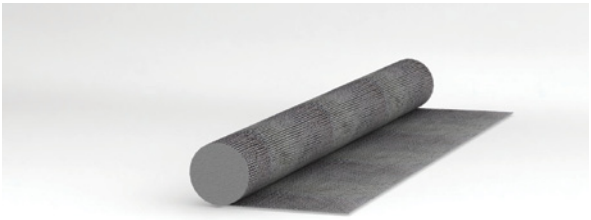
		Material Code			
		Mon	TCS	S/St	Alu
		282	284	286	288
Ht	**Width**				**Part Number**
3.2	3.2				0032-0032
3.2	4.8				0032-0048
3.2	6.4				0032-0064
3.2	9.5				0032-0095
3.2	12.7				0032-0127
4.8	4.8				0048-0048
4.8	6.4				0048-0064
4.8	9.5				0048-0095
4.8	12.7				0048-0127
6.4	6.4				0064-0064
6.4	9.5				0064-0095
6.4	12.7				0064-0127
9.5	9.5				0095-0095
9.5	12.7				0095-0127
12.7	12.7				0127-0127

Other sizes are available on request

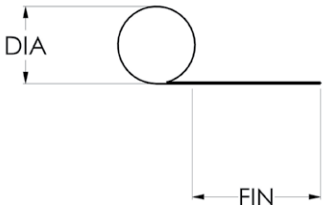
Knitted Wire Mesh Over an Elastomer Core

Technical Specifications (Continued)

Round with Fin
Silicone Sponge Core



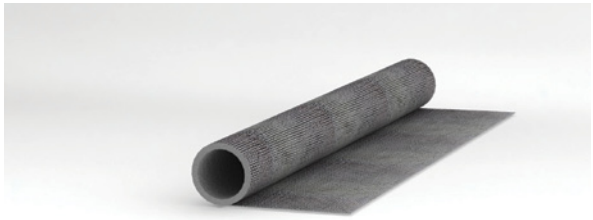
Profile



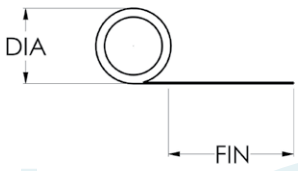
		Material Code				
		Mon	TCS	S/St	Alu	
		222	224	226	228	
Dia	**Fin W**					**Part Number**
3.2	6.4					0032-0064
3.2	9.5					0032-0095
3.2	12.7					0032-0127
4.8	9.5					0048-0095
4.8	12.7					0048-0127
4.8	15.9					0048-0159
6.4	9.5					0064-0095
6.4	12.7					0064-0127
6.4	15.9					0064-0159
8.0	9.5					0080-0095
8.0	12.7					0080-0127
8.0	15.9					0080-0159
9.5	12.7					0095-0127
9.5	15.9					0095-0159
12.7	12.7					0127-0127

Other sizes are available on request

Round with Fin
Silicone Tube Core



Profile



		Material Code				
		Mon	TCS	S/St	Alu	
		252	254	256	258	
Dia	**Fin W**					**Part Number**
3.2	6.4					0032-0064
3.2	9.5					0032-0095
3.2	12.7					0032-0127
4.8	9.5					0048-0095
4.8	12.7					0048-0127
4.8	15.9					0048-0159
6.4	9.5					0064-0095
6.4	12.7					0064-0127
6.4	15.9					0064-0159
8.0	9.5					0080-0095
8.0	12.7					0080-0127
8.0	15.9					0080-0159
9.5	12.7					0095-0127
9.5	15.9					0095-0159
12.7	12.7					0127-0127

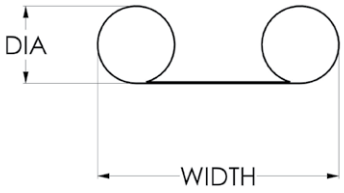
Other sizes are available on request

Knitted Wire Mesh Over an Elastomer Core

Technical Specifications (Continued)

Twin Round with Fin
Silicone Sponge Cores

Profile

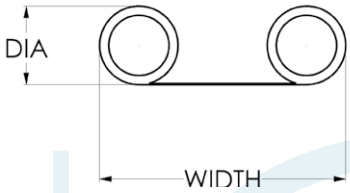


		Material Code			
		Mon	TCS	S/St	Alu
		262	264	266	268
Dia	**Width**				**Part Number**
3.2	12.7				0032-0127
3.2	19.1				0032-0191
3.2	25.4				0032-0254
4.8	19.1				0048-0191
4.8	25.4				0048-0254
6.4	19.1				0064-0191
6.4	25.4				0064-0254

Other sizes are available on request

Twin Round with Fin
Silicone Tube Cores

Profile

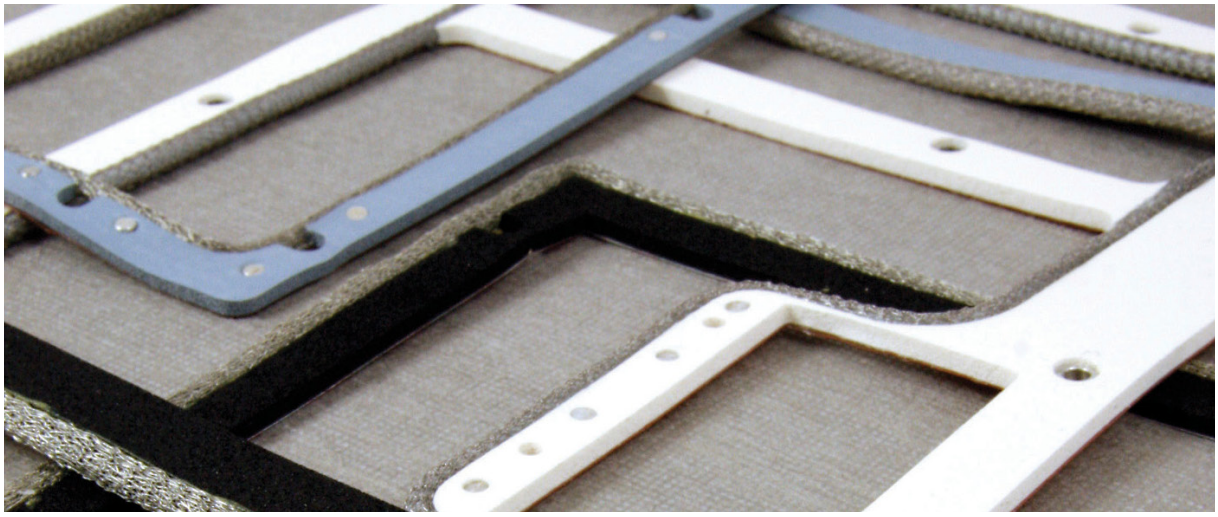


		Material Code			
		Mon	TCS	S/St	Alu
		272	274	276	278
Dia	**Width**				**Part Number**
3.2	12.7				0032-0127
3.2	19.1				0032-0191
3.2	25.4				0032-0254
4.8	19.1				0048-0191
4.8	25.4				0048-0254
6.4	19.1				0064-0191
6.4	25.4				0064-0254

Other sizes are available on request

Kemtron
Proven EMC Shielding Performance

Knitted Wire Mesh with an Environmental Seal



Product Overview

Manufactured from either solid knitted wire mesh or knitted wire mesh over an elastomer core bonded to an elastomer environmental seal.

Application

This type of gasket is very suitable where a high level of shielding is required along with an environmental seal. Provides an economic approach to combination RFI/EMI/EMP and environmental sealing.

- Suitable for gaps with large tolerances.
- Door seals.
- Panel seals.
- Due to its resiliency and low compression force, ideal for use in situations where repeated opening and closing operations are necessary.

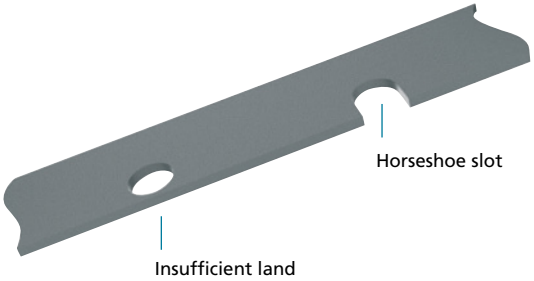
Availability

- Continuous lengths up to 10 mtrs long.
- Fabricated gaskets to customer's drawings.
- Can be fitted with compression limit stops or collars.
- Easily assembled using the optional self adhesive backing.
- A broad range of sizes available.
- A large range of materials to suit many RFI/EMI/EMP and climatic conditions including NBC.
- Large fabricated gaskets can be produced economically.
- UL flame retardant approved materials are also available.

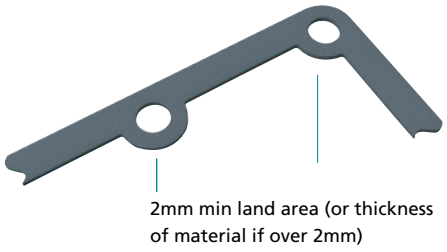
Design Considerations

- It is important that this material is not over-compressed. If the design of the equipment does not allow for any mechanical method of preventing over-compression, the gasket should be fitted with built-in compression limiters, either metal stops fitted to the gasket, or metal collars fitted into each fixing hole.
- When specifying die cut gaskets minimum material width should not be less than 2mm or at least the material thickness in any part of the gasket. If this cannot be achieved around fixing holes consider using a slot. Particular attention is required if specifying compression collars in holes.
- Particular consideration must be given to compression forces hole centres, size and number of fixings and rigidity of mating flanges.
- Consideration should be given to the termination of cut mesh ends. Sometimes loose wires are evident after cutting. Kemtron are experts at mesh termination however if you choose to cut the mesh yourself loose wires can be avoided by:
  – Dipping the end in glue.
  – Spot welding the cut end.
  – Sewing the cut mesh end.
- Galvanic compatibility. Select from a choice or wire.

Horse Shoe Slot



Minimum Land



19-21 Finch Drive, Springwood Industrial Estate, Braintree, Essex CM7 2SF, United Kingdom. **T** +44 (0)1376 348115, **F** +44 (0)1376 345885, **E** info@kemtron.co.uk, www.kemtron.co.uk

Knitted Wire Mesh with an Environmental Seal

Technical Specifications

Surface Mounted Gaskets

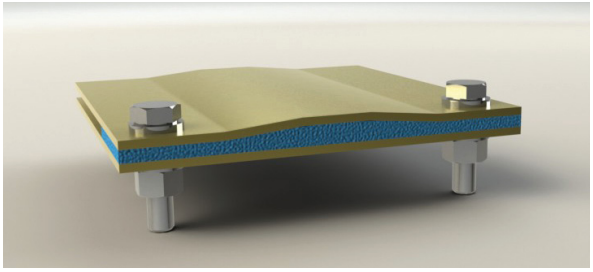
With surface mounted elastomeric gaskets, the aim should be to limit the compression of the gasket to between 10% and 20%. 10% being the minimum with a solid silicone style of gasket. (Some form of compression stop or limit is essential with surface mounted gaskets to prevent over compression).

Compression stops can be built into many styles of gasket, or made as an integral part of the flange. Their height should equal that of the maximum compressed height of the gasket. Compression stops fitted into gaskets can be in the form of collars or washers so that fixing bolts can pass through them or as solid studs located either side of a fixing bolt.

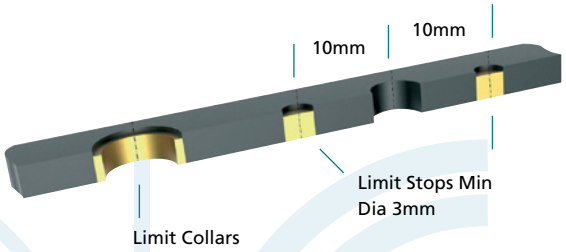
The thickness of the gasket for a known application can be calculated as follows e.g. Consider a gasket which can be compressed between 10% and 25% to be used on flanges which are not perfectly flat, i.e. the flanges without gaskets touch at some points and leave gaps in others. Since the gasket will compress between 10% and 25% we will require 25% compression at the high points and 10% at the low points (the "gaps"). The greatest gap is therefore 15% of the gasket thickness. If that gap is 0.45mm, then a gasket of 3.0mm thickness is required

This is fine in theory provided that the flanges do not "bow" when placed under load. To overcome flange distortion, fixings may need to be added, the number of which will be determined by the flange stiffness/rigidity.

Compression 3



Compression Limit Applications



Kemtron
Proven EMC Shielding Performance

Knitted Wire Mesh with an Environmental Seal

Technical Specifications (Continued)

Typical Shielding Performance

For 300 series as achieved by testing to MIL-STD 285 modified.

H Field

MHz	0.01	0.1	1.0	10.0
Monel	28	45	64	>104
TCS	47	67	88	>104
S/St	35	43	50	

E Field

MHz	0.01	0.1	1.0	10.0
Monel	>118	>136	>123	99
TCS	>118	>136	>126	109
S/St	119	102		

P Field

MHz	400	1000	10,000
Monel	96	84	46
TCS	98	77	43
S/St	85	62	36

Materials

Monel Alloy 400 Wire
Wire diameter 0.11mm.
UK Specification to BS3075 NA13
USA Specification to AMS 4730

Tin Plated Copper Clad Steel (TCS)
Wire diameter 0.11mm
UK Specification BS2316*, BS4087*
USA Specification ASTM B277*, ASTM B452*, ASTM B520, ASTM B33*, AISI 1010
* There is no complete specification for this material. Processes have been derived from parts of the above where applicable.

Stainless Steel (S/St)
UK Specification BS EN 10088-3 2005 316 S19
Wire diameter 0.11mm

Aluminum (Alu)
Specification BS EN 537 pt 3
Wire diameter 0.13mm

Solid Silicone Rubber
Generally meets ZZ-R-765
Temperature range -40°C to +200°C
Service life >20 years

Sponge Silicone Rubber
USA Specification AMS 3195
Temperature range -40°C to +200°C
Service life >20 years

Sponge Neoprene Rubber
USA Specification ASTM D1056 (84) SCE 42
Temperature range -15°C to +80°C
Condition medium

Tolerances

Note: All sizes listed that have an Elastomer core are the Elastomer size, Allowances must be made for the wire mesh, 1 layer approximately 0.4mm and 2 layers 0.8mm

Round and rectangular mesh sections +/-0.8mm
Carrier size +/-0.8
Finished gaskets +/-0.8mm up to 300mm
+/-1.2mm over 300mm
Hole centres +/-0.4mm

Tolerances on Rubbers
Up to 2.0mm diameter or thickness ± 0.5mm
2.0mm to 10.0mm diameter or thickness ± 0.8mm
Above 10mm diameter or thickness ± 1.5mm

How To Order

The sizes shown on the tables are typical examples of our range other sizes are available on request.

To make a part number, use the wire material code from the "material code" box followed by the part number.

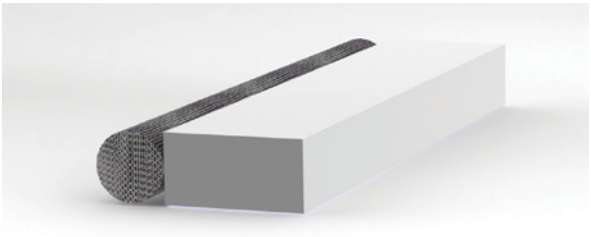
Part No i.e.
334-0032-0032-0191 : 3.2mm diameter silicone sponge core with 2 layers TCS wire mesh attached to silicone sponge carrier 3.2mm X 19.1mm. For self adhesive backing add suffix SAB to part number

19-21 Finch Drive, Springwood Industrial Estate, Braintree, Essex CM7 2SF, United Kingdom. **T** +44 (0)1376 348115, **F** +44 (0)1376 345885, **E** info@kemtron.co.uk, www.kemtron.co.uk

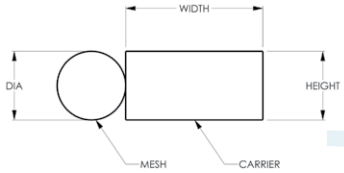
Knitted Wire Mesh Gaskets with an Environmental Seal

Technical Specifications (Continued)

Solid Mesh to Silicone Sponge Carrier



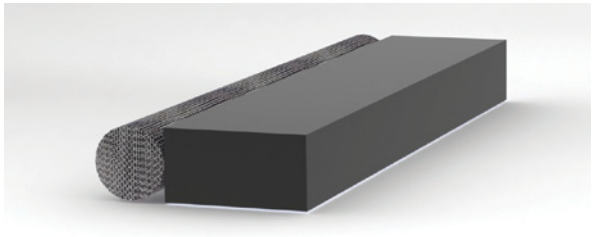
Profile



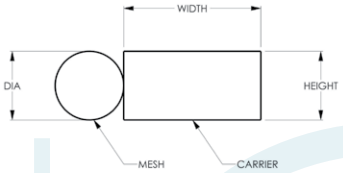
			Material Code				
Mesh	Carrier		Mon	TCS	S/St	Alu	
Dia	Ht	W	392	394	396	398	Part Number
3.2	3.2	9.5					0032-0032-0095
4.0	3.2	12.7					0040-0032-0127
4.8	3.2	9.5					0048-0032-0095
4.8	4.8	12.7					0048-0048-0127
4.8	4.8	15.9					0048-0048-0159
6.4	4.8	12.7					0064-0048-0127

Other sizes are available on request

Solid Mesh to Neoprene Sponge Carrier



Profile



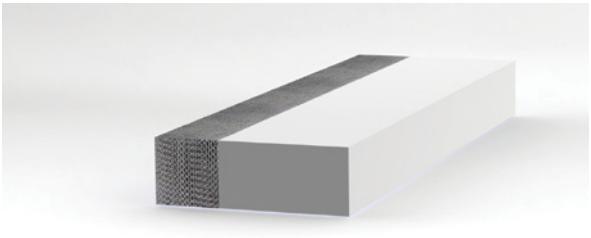
			Material Code				
Mesh	Carrier		Mon	TCS	S/St	Alu	
Dia	Ht	W	302	304	306	308	Part Number
3.2	3.2	9.5					0032-0032-0095
4.0	3.2	12.7					0040-0032-0127
4.8	3.2	9.5					0048-0032-0095
4.8	4.8	12.7					0048-0048-0127
4.8	4.8	15.9					0048-0048-0159
6.4	4.8	12.7					0064-0048-0127

Other sizes are available on request

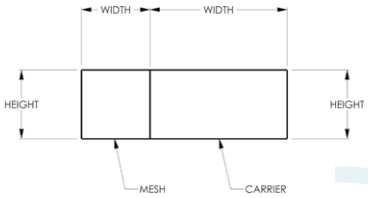
Knitted Wire Mesh Gaskets with an Environmental Seal

Technical Specifications (Continued)

Solid Mesh to Silicone Sponge Carrier



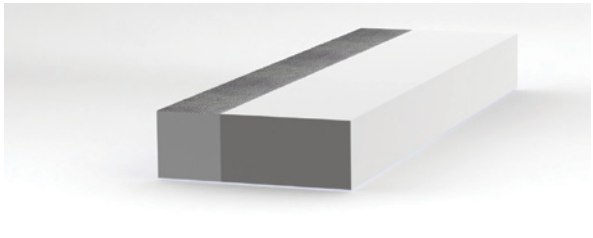
Profile



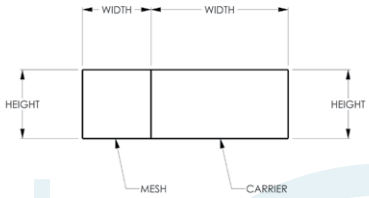
				Material Code				
Mesh		Carrier		Mon	TCS	S/St	Alu	
Ht	W	Ht	W	312	314	316	318	Part Number
2.4	2.4	2.4	9.5					0024-0024-0024-0095
2.4	2.4	2.4	12.7					0024-0024-0024-0127
3.2	3.2	3.2	9.5					0032-0032-0032-0095

Other sizes are available on request

Silicone Sponge Core to Silicone Sponge Carrier



Profile



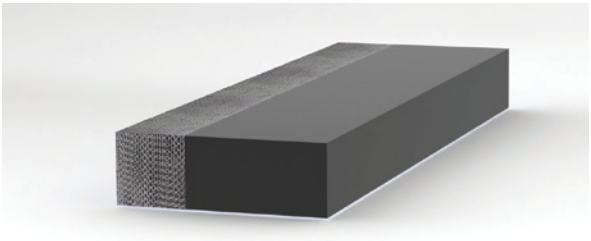
				Material Code				
Mesh		Carrier		Mon	TCS	S/St	Alu	
Ht	W	Ht	W	382	384	386	388	Part Number
2.4	2.4	2.4	9.5					0024-0024- 0024-0095
2.4	2.4	2.4	12.7					0024-0024- 0024-0127
3.2	3.2	3.2	9.5					0032-0032- 0032-0095

Other sizes are available on request

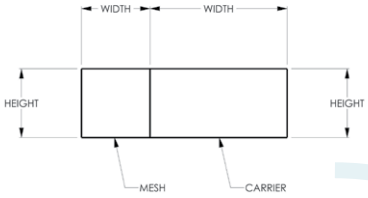
Knitted Wire Mesh with an Environmental Seal

Technical Specifications (Continued)

Solid Mesh to Neoprene Sponge Carrier



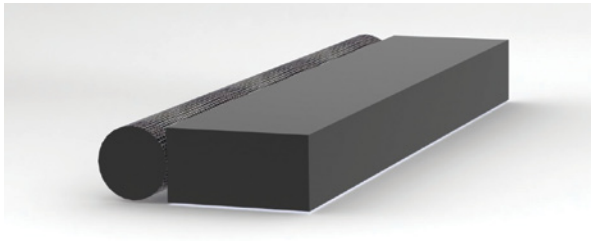
Profile



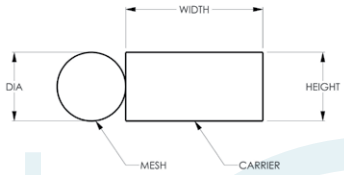
				Material Code				
Mesh		Carrier		Mon	TCS	S/St	Alu	
Ht	W	Ht	W	322	324	326	328	Part Number
2.4	2.4	2.4	9.5					0024-0024-0024-0095
2.4	2.4	2.4	12.7					0024-0024-0024-0127
3.2	3.2	3.2	9.5					0032-0032-0032-0095

Other sizes are available on request

Neoprene Sponge Core to Neoprene Sponge Carrier



Profile



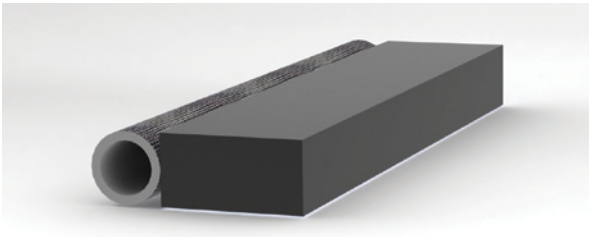
			Material Code				
Mesh	Carrier		Mon	TCS	S/St	Alu	
Dia	Ht	W	342	344	346	348	Part Number
3.2	3.2	9.5					0032-0032-0095
4.0	3.2	12.7					0040-0032-0127
4.8	3.2	9.5					0048-0032-0095
4.8	4.8	12.7					0048-0048-0127
4.8	4.8	15.9					0048-0048-0159
6.4	4.8	12.7					0064-0048-0127

Other sizes are available on request

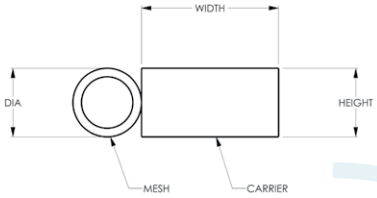
Knitted Wire Mesh with an Environmental Seal

Technical Specifications (Continued)

Silicone Tube Core to Neoprene Sponge Carrier



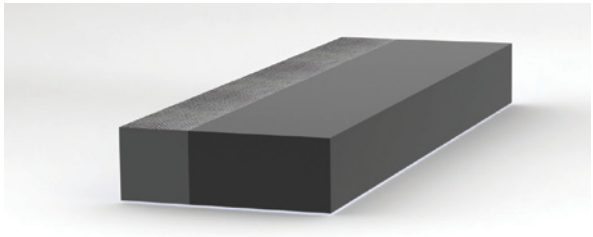
Profile



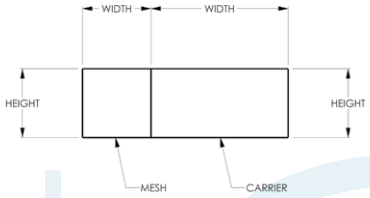
			Material Code				
Mesh	**Carrier**		**Mon**	**TCS**	**S/St**	**Alu**	
Dia	**Ht**	**W**	362	364	366	368	**Part Number**
3.2	3.2	9.5					0032-0032-0095
4.0	3.2	12.7					0040-0032-0127
4.8	3.2	9.5					0048-0032-0095
4.8	4.8	12.7					0048-0048-0127
4.8	4.8	15.9					0048-0048-0159
6.4	4.8	12.7					0064-0048-0127

Other sizes are available on request

Neoprene Sponge Core to Neoprene Sponge Carrier



Profile



				Material Code				
Mesh		**Carrier**		**Mon**	**TCS**	**S/St**	**Alu**	
Ht	**W**	**Ht**	**W**	322	324	326	328	**Part Number**
2.4	2.4	2.4	9.5					0024-0024-0024-0095
2.4	2.4	2.4	12.7					0024-0024-0024-0127
3.2	3.2	3.2	9.5					0032-0032-0032-0095

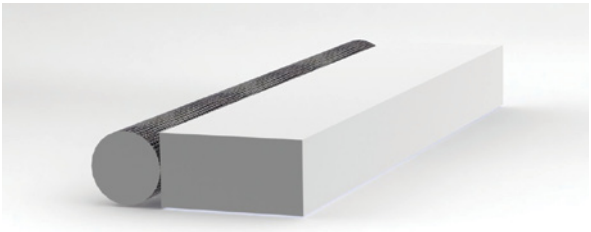
Other sizes are available on request

Kemtron
Proven EMC Shielding Performance

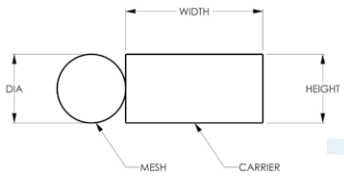
Knitted Wire Mesh with an Environmental Seal

Technical Specifications (Continued)

Silicone Sponge Core to Silicone Sponge Carrier



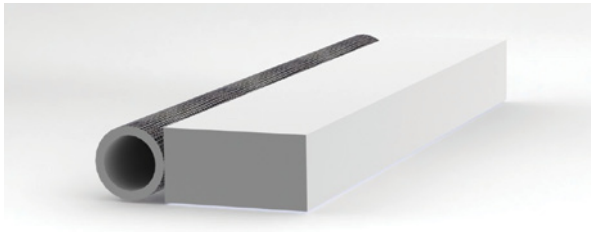
Profile



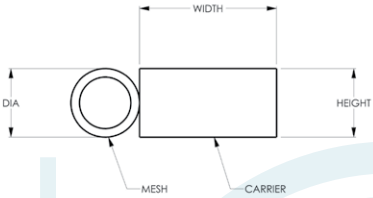
			Material Code				
Mesh	Carrier		Mon	TCS	S/St	Alu	
Dia	Ht	W	332	334	336	338	Part Number
3.2	3.2	9.5					0032-0032-0095
4.0	3.2	12.7					0040-0032-0127
4.8	3.2	9.5					0048-0032-0095
4.8	4.8	12.7					0048-0048-0127
4.8	4.8	15.9					0048-0048-0159
6.4	4.8	12.7					0064-0048-0127

Other sizes are available on request

Silicone Tube Core to Silicone Sponge Carrier



Profile



			Material Code				
Mesh	Carrier		Mon	TCS	S/St	Alu	
Dia	Ht	W	352	354	356	358	Part Number
3.2	3.2	9.5					0032-0032-0095
4.0	3.2	12.7					0040-0032-0127
4.8	3.2	9.5					0048-0032-0095
4.8	4.8	12.7					0048-0048-0127
4.8	4.8	15.9					0048-0048-0159
6.4	4.8	12.7					0064-0048-0127

Other sizes are available on request

Notice