



## Product Overview

Clip on knitted wire mesh gasket strip is a very flexible, easily compressible sponge EPDM tubular or bulb type gasket strip with a steel spring clip covered with a double knitted wire mesh layer for RFI/EMI shielding.

### Application

Provides a good RFI/EMI shield for enclosures and electrical cabinets. The soft hollow bulb profile requires low closure force and makes the product particularly suitable for door applications where frequent opening and closing is required. The clip on gasket is easy to fit and will bend up to 90 degrees. The knitted wire mesh gives very low contact resistance between mating surfaces ensuring good shielding. 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.

### 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.
- Other profiles and NBR rubber are available to special order – please enquire to discuss your application

### 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,
  - Sewing the cut mesh end.
- 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.

## 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

### EPDM

Sponge rubber (EPDM) black (clamping profile EPDM  
 65 ± 5 shore A)  
 UL50  
 UL95-HB

## How To Order

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

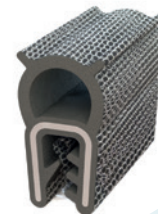
Each profile shape has its own part number and wire mesh material code.

#### Part No i.e.

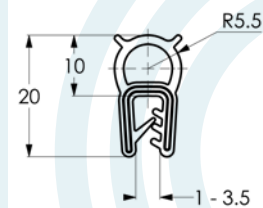
6052 profile shape 05 with monel wire mesh

## Profile shape 05

#### Material Code



#### Profile

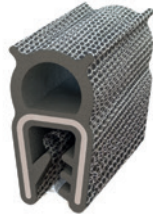


Mon	TCS	S/st	Alu
6052	6054	6056	6058

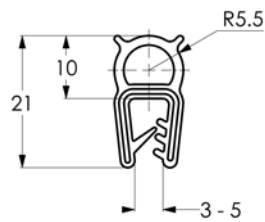
Other sizes are available on request

## Technical Specifications (Continued)

### Profile shape 49



#### Profile

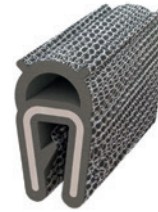


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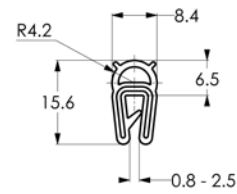
Mon	TCS	S/st	Alu
6492	6494	6496	6498

Other sizes are available on request

### Profile shape 10



#### Profile



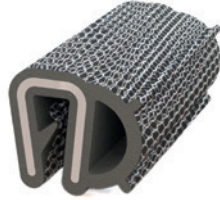
#### Material Code

Mon	TCS	S/st	Alu
6102	6104	6106	6108

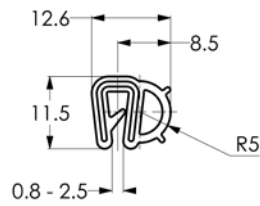
Other sizes are available on request

## Technical Specifications (Continued)

### Profile shape 09



#### Profile

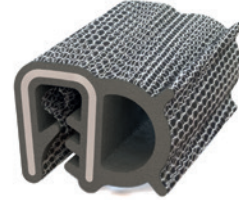


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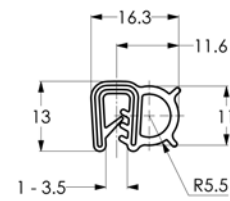
Mon	TCS	S/st	Alu
6092	6094	6096	6098

Other sizes are available on request

### Profile shape 06



#### Profile



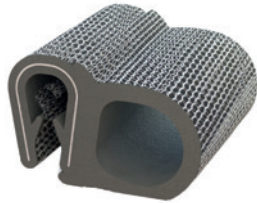
#### Material Code

Mon	TCS	S/st	Alu
6062	6064	6066	6068

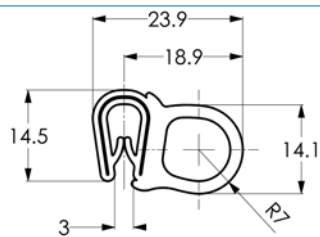
Other sizes are available on request

## Technical Specifications (Continued)

### Profile shape 19



#### Profile



#### Material Code

Mon	TCS	S/st	Alu
6192	6194	6196	6198

Other sizes are available on request

