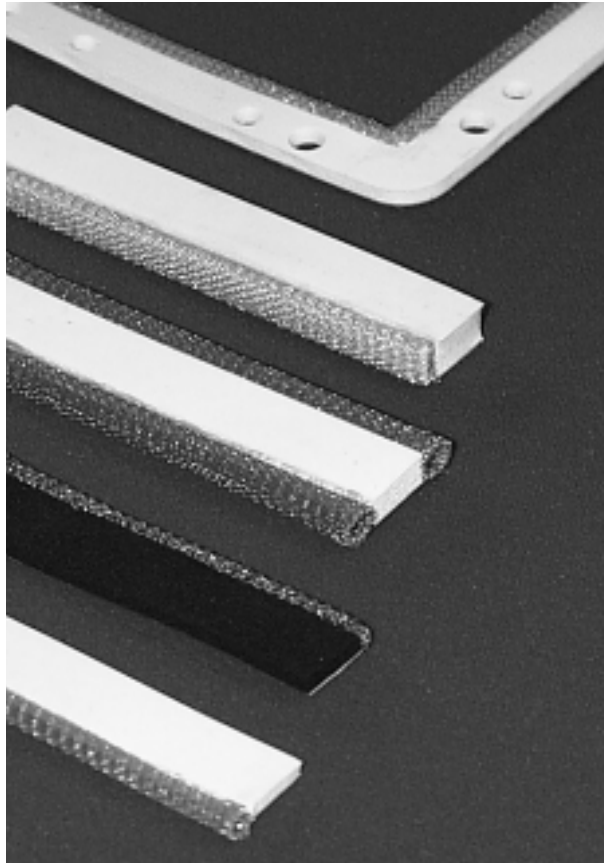


# 300 Series Knitted Wire Mesh with an Environmental Seal



The 300 Series provides a full environmental and RF/EMI seal when clamped between two flat surfaces. It is ideal for use in situations where repeated opening and closing operations are necessary due to its resiliency and the low closing force required for the product to be effective.

It is easily mounted on any flat surface by removing the backing paper to expose a self adhesive tape.

The 300 Series consists of knitted wire mesh from either 100 or 200 Series, bonded to a silicone sponge or neoprene sponge carrier. It is supplied in lengths up to 10 metres or as finished gaskets of any size, to customer specifications. It is possible to die cut the sponge to very precise dimensions. Compression stops or collars may also be fitted to reduce the risk of overtightening resulting in gasket distortion.

The types of wire used are:

**Monel, Tin Plated Copper Clad Steel (TCS), Stainless Steel and Aluminium**

Low compression force and UL flame retardant approved materials available on request.

## Ordering Information

Use suffix SAB if self adhesive backing is required.

Use the wire code from the 'select material' box followed by the part number, e.g:- 334-0032-0032-0191 SAB = 3.2mm. dia. silicone sponge core with TCS wire to silicone sponge carrier 3,2 x 19.2 mm with self adhesive backing.

Tolerances: Mesh size  $\pm$  0.8 mm. Carrier size  $\pm$  0.8 mm.

Finished gaskets  $\pm$  0.8 mm. up to 300 mm. Hole centres  $\pm$  0.4 mm.

DIMENSIONS ARE IN MILLIMETRES

## Typical Shielding Performance Figures

For 300 Series as achieved by independent testing to MIL-STD 285 modified

### H Field

MHz	0.01	0.1	1.0	10.0
Monel	28	45	64	>104
Aluminium	36	47	64	>104
TCS	47	67	88	>104

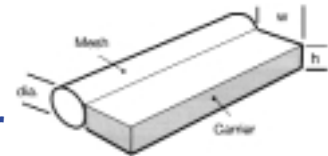
### E Field

MHz	0.01	0.1	1.0	10.0
Monel	>118	>136	123	99
Aluminium	>118	>136	>120	91
TCS	>118	>136	>126	109

### P Field

MHz	400	1000	10,000
Monel	96	84	46
Aluminium	86	72	34
TCS	98	77	43

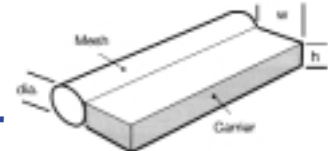
## Solid Mesh to Silicone Sponge Carrier



Mesh	Carrier	Select Material Code				Part No
		Mon.	TCS.	S/St.	Alu.	
Dia	ht w	392	394	396	398	
3.2	3.2 12.7					0032-0032-0127

Your dimensions

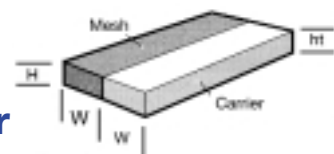
## Solid Mesh to Neoprene Sponge Carrier



Mesh	Carrier	Select Material Code				Part No
		Mon.	TCS.	S/St.	Alu.	
Dia	ht w	302	304	306	308	
3.2	3.2 12.7					0032-0032-0127

Your dimensions

## Solid Mesh to Silicone Sponge Carrier



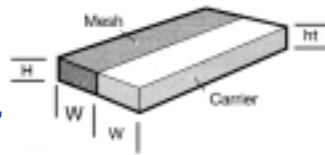
Mesh	Carrier	Select Material Code				Part No
		Mon.	TCS.	S/St.	Alu.	
H W ht w		312	314	316	318	
2.4 2.4 2.4 9.5						0024-0024 0024-0095
2.4 2.4 2.4 12.7						0024-0024 0024-0127
3.2 3.2 3.2 9.5						0032-0032 0032-0095

Your dimensions

Note: All sizes listed are core sizes and allowances must be made for the wire mesh. This is normally 0.4mm for one layer and 0.8 for two layers.

# 300 Series Knitted Wire Mesh with an Enviromental Seal

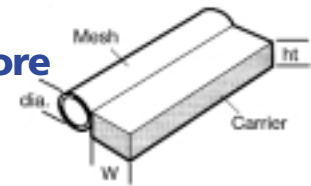
## Solid Mesh to Neoprene Sponge Carrier



Mesh		Carrier		Select Material Code				Part No
H	W	ht	w	Mon.	TCS.	S/St.	Alu.	
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 0024-0095

Your dimensions

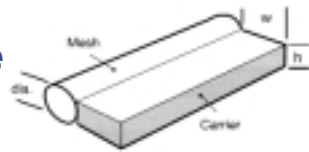
## Silicone Tube Core to Neoprene Sponge Carrier



Mesh			Select Material Code				Part No
Dia	ht	w	Mon.	TCS.	S/St.	Alu.	
4.0	3.2	12.7					0040-0032-0127
4.8	3.2	12.7					0048-0032-0127
6.4	4.8	12.7					0064-0048-0127

Your dimensions

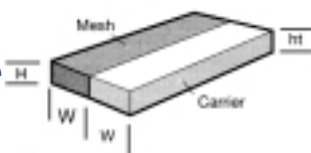
## Silicone Sponge Core to Silicone Sponge Carrier



Mesh			Select Material Code				Part No
Dia	ht	w	Mon.	TCS.	S/St.	Alu.	
3.2	3.2	12.7					0032-0032-0127
3.2	3.2	19.2					0032-0032-0191
6.4	4.8	12.7					0064-0048-0127

Your dimensions

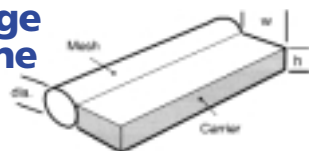
## Solid Sponge Core to Silicone Sponge Carrier



Mesh				Select Material Code				Part No
H	W	ht	w	Mon.	TCS.	S/St.	Alu.	
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 0024-0095

Your dimensions

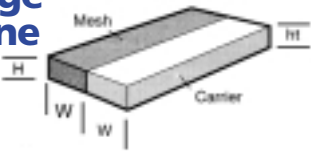
## Neoprene Sponge Core to Neoprene Sponge Carrier



Mesh			Select Material Code				Part No
Dia	ht	w	Mon.	TCS.	S/St.	Alu.	
3.2	3.2	12.7					0032-0032-0127
3.2	3.2	19.1					0032-0032-0191
6.4	4.8	12.7					0064-0048-0127

Your dimensions

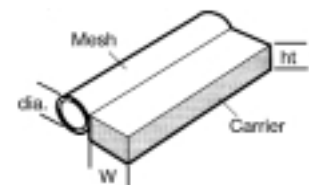
## Neoprene Sponge Core to Neoprene Sponge Carrier



Mesh				Select Material Code				Part No
H	W	ht	w	Mon.	TCS.	S/St.	Alu.	
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 0024-0095

Your dimensions

## Silicone Tube Core to Silicone Sponge Carrier



Mesh			Select Material Code				Part No
Dia	ht	w	Mon.	TCS.	S/St.	Alu.	
4.0	3.2	12.7					0040-0032-0127
4.8	3.2	12.7					0048-0032-0127
6.4	4.8	12.7					0064-0048-0127

Your dimensions