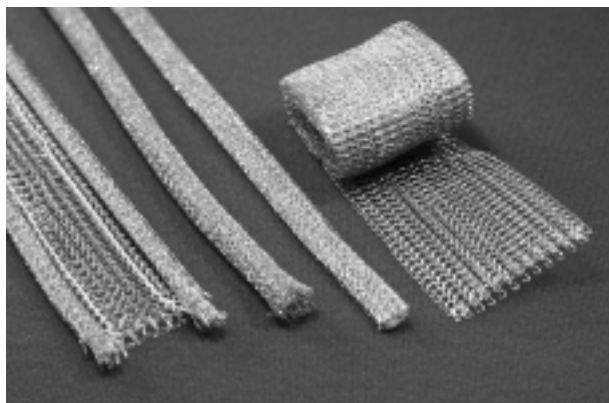


# 100 Series Knitted Wire Mesh



The 100 Series will provide an excellent FMI/RFI Shield between two metallic surfaces. It is not intended for use as an environmental seal.

This material is particularly suited for small sections, EMP applications and where there is infrequent access. This product is ideal for use on uneven surfaces, eg., sheet metal fabrications, castings etc.

The product consists entirely of knitted wire mesh formed to the cross sections shown. It can be supplied in continuous lengths, cut to length, or fabricated into gaskets to your specific requirements by spot welding and stitching.

The types of wire used are:

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

## Ordering Information

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

When ordering use the wire material code from the 'select material' box followed by the dimension code. e.g. 112-0032:- round section monel wire 3.2mm diameter.

Tolerances: Bodysize  $\pm$  0.8mm. Finsize  $\pm$  1.6mm.

DIMENSIONS ARE IN MILLIMETRES

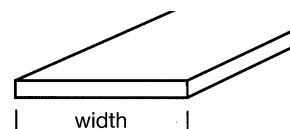
## Typical Shielding Performance Figures

For 100 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	

## Flat Bandage

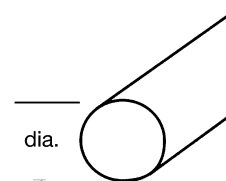
Note: This product is approx 0.5mm thick



	Select Material Code				Part No
	Mon.	TCS.	S/St.	Alu.	
Width	142	144	146	148	
6.4					0064
12.7					0127
19.1					0191
25.4					0254
38.1					0381

Your dimensions

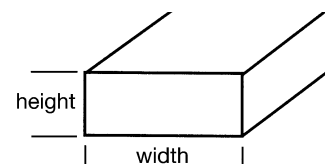
## Round



	Select Material Code				Part No
	Mon.	TCS.	S/St.	Alu.	
Dia	112	114	116	118	
1.6					0016
2.4					0024
3.2					0032
4.8					0048
6.4					0064
8.0					0080
9.5					0095
12.7					0127

Your dimensions

## Rectangular

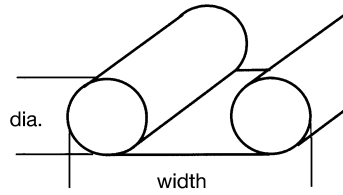


Ht	Width	Select Material Code				Part No
		Mon.	TCS.	S/St.	Alu.	
1.6	1.6					0016-0016
1.6	2.4					0016-0024
1.6	3.2					0016-0032
1.6	4.8					0016-0048
2.4	2.4					0024-0024
2.4	3.2					0024-0032
2.4	4.8					0024-0048
3.2	3.2					0032-0032
3.2	4.8					0032-0048
3.2	6.4					0032-0064
3.2	9.5					0032-0095
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

Your dimensions

# 100 Series Knitted Wire Mesh

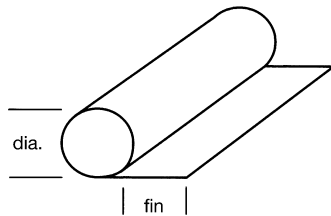
## Twin Round with Fin



Dia	Width	Select Material Code				Part No
		Mon.	TCS.	S/St.	Alu.	
3.2	12.7	152	154	156	158	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

Your dimensions

## Round with Fin



Dia	Fin	Select Material Code				Part No
		Mon.	TCS.	S/St.	Alu.	
3.2	6.4	122	124	126	128	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

Your dimensions