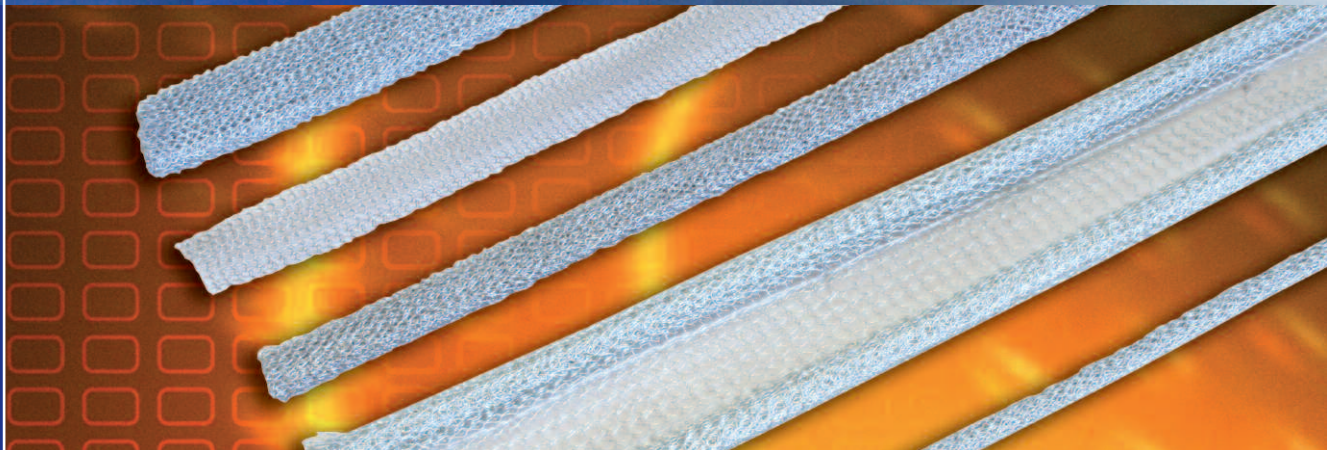


KNITTED WIRE MESH MATERIAL

KNITTED WIRE MESH MATERIAL | 1300 RANGE

EMI



DESCRIPTION:

Arka Technologies' knitted wire mesh products utilise single strand wire, and is available in a wide range of metals. Knitted and formed into pre-specified cross sections, yielding an economical and reliable gasket for use in a variety of shielding applications.

APPLICATION:

Knitted wire mesh gaskets are suited for applications where high shielding effectiveness is required, an environmental seal is not needed and the gasket must conform to an irregular surface. Panel gaskets, cable wrapping, door gaskets and static discharge washers are just a few of the commonly chosen applications.

Please see tables below for all available knitted wire mesh cross sections and sizes.

AVAILABLE WIRE MESH MATERIALS

Part No.	Wire	Specification	Diameter
1301	Monel	QQ-N-281b	1.1mm
1302	SnCuFe	ASTM B520	1.1mm
1303	Aluminium	AMS 4182	1.1mm
1304	SnPhBronze	ASTM B105	1.1mm
1305	AG Brass	QQ-W-321	1.1mm
1306	Stainless	Alloy 304	1.1mm

PART NUMBER SYSTEM

The full and part number would be structured as below.

Part No:- XXXX-XXXX

Example: monel wire in a Rectangular cross section.

Part No:- 1301-XXX

Second part of number is taken from tables shown overleaf.

AVAILABLE CROSS-SECTIONS

Part No.	Wire	Table
1xxx	Rectangular Cross Section	5.1
2xxx	Round Cross Section	5.2
3xxx	Dumbbell Cross Section	5.3
4xxx	Tadpole Cross Section	5.4
5xxx	Compressed Mesh Unit	N/A

KNITTED WIRE MESH MATERIAL

EMI

COMPATIBILITY: (To the mating surfaces)

Environmental conditions must be considered when choosing the type of mesh gasket used. Compatible metals have been listed together below for quick reference. Metals from one group should not be used with metals from another group without first applying a protective coating. Tin, Cadmium and Zinc may be used with all metals in both groups II and III.

Group I	Group II	Group III	Group IV
Magnesium Alloys	Aluminium	Zinc	Copper
Tin	Aluminium Alloys	Cadmium	Copper Alloys
Aluminium Alloy 5052	Zinc	Steel	Chromium
Aluminium Alloy 5056	Cadmium	Lead	Stainless Steel
Aluminium Alloy 5356	Tin	Tin Tin Lead	Gold
Aluminium Alloy 6061	Stainless Steel	Stainless Steel	Silver
Aluminium Alloy 6063	Tin Lead	Nickel	Nickel

PERFORMANCE CHARACTERISTICS:

Listed below are those wire mesh materials most commonly used for EMI/RFI shielding.

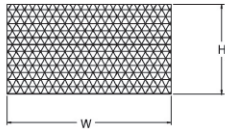
Material	Monel	SnCuFe	Aluminium	SnPhBronze
Shielding db: 100KHz	45	50	40	65
10 MHz	115	115	100	120
500 KHz	110	110	90	110
1 GHz	95	95	80	95
Closure Force: (Min ue)	10	10	10	10

KNITTED WIRE MESH MATERIAL

KNITTED WIRE MESH MATERIAL 1300 RANGE

EMI

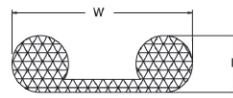
RECTANGULAR GASKETING



Part No.	W (mm)	H (mm)
1001	1.6	1.6
1002	1.6	3.2
1003	1.6	4.75
1004	1.6	6.35
1005	1.6	7.92
1006	1.6	9.53
1007	1.6	12.7
1033	1.6	15.88
1034	1.6	19.1
1035	1.6	25.4
1008	2.4	2.4
1009	2.4	3.2
1010	2.4	4.75
1011	2.4	6.35
1012	2.4	7.92
1013	2.4	9.53
1014	2.4	12.7
1036	2.4	15.88
1015	3.2	3.2
1037	3.2	3.96
1016	3.2	4.75
1017	3.2	6.35
1018	3.2	7.92
1019	3.2	9.53
1020	3.2	12.7
1038	3.2	15.88
1039	3.2	19.1
1040	3.2	25.4
1021	4.75	4.75
1022	4.75	6.35
1023	4.75	7.92
1024	4.75	9.53
1025	4.75	12.7
1041	4.75	15.88
1042	4.75	19.1
1043	4.75	25.4
1026	6.35	6.35
1027	6.35	7.92
1028	6.35	9.53
1029	6.35	12.7
1044	6.35	15.88

Table 5.1

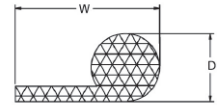
DUMBELL GASKETING



Part No.	BULBS (mm)	W (overall mm)
3050	1.6	9.53
3051	1.6	12.7
3052	1.6	15.88
3053	1.6	17.15
3054	1.6	19.1
3055	1.6	22.22
3056	2.4	12.7
3057	3.2	12.7
3058	3.2	15.88
3059	3.2	17.2
3060	3.2	19.1
3061	3.2	22.22
3062	3.2	25.4
3063	4.75	15.88
3064	4.75	19.1
3065	4.75	22.22
3066	4.75	25.4
3067	6.35	19.1
3068	6.35	22.22
3069	6.35	25.4
3070	6.35	31.75
3071	9.53	25.4
3072	9.53	31.75

Table 5.3

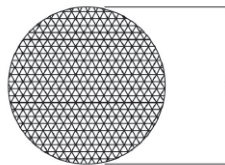
TADPOLE GASKETING



Part No.	D (Bulbs mm)	W (overall mm)
4050	1.57	9.52
4051	1.57	12.7
4052	1.57	15.88
4053	1.57	19.05
4054	2.36	9.52
4088	2.36	12.7
4055	2.36	19.05
4056	3.18	9.52
4057	3.18	11.1
4067	3.18	12.7
4068	3.18	14.27
4069	3.18	15.88
4070	3.18	19.05
4071	3.96	12.7
4072	3.96	15.88
4073	3.96	19.05
4074	4.75	11.1
4075	4.75	12.7
4076	4.75	15.88
4077	4.75	19.05
4058	4.75	22.22
4059	6.35	12.7
4060	6.35	15.88
4061	6.35	19.05
4062	6.35	22.22
4063	6.35	25.4
4064	7.92	15.88
4065	7.92	19.05
4066	7.92	22.22
4078	9.53	15.88
4079	9.53	19.05
4080	9.53	22.22
4081	9.53	25.4
4082	11.1	19.05
4083	11.1	22.22
4084	11.1	25.4
4085	12.7	19.05
4086	12.7	22.22
4087	12.7	25.4

Table 5.4

ROUND GASKETING



Part No.	Diameter (mm)
2001	1.57
2002	2.36
2003	3.18
2004	3.96
2005	4.75
2006	6.35
2007	7.92
2008	9.53
2009	11.1
2010	12.7

Table 5.2