

# CONNECTOR GASKETS

## DC Shielding

Our range of connector gaskets includes precision die-cut gaskets made from a large selection of materials, both conductive and non-conductive. DC Shielding comprises waveguide and connector gaskets to MIL-C-81511, MIL-C-5015, MIL-C-38999 and MIL-C-26482 plus industry standard configurations including BN, BNC, D, WG, WR, IEC, UG, AN and special profiles cut to customers specifications.

### Applications:

Generally connector gaskets are cut from thin reinforced materials, such as Aluweave or Monex, to ensure that the compressive forces exerted on the connector do not distort the gasket. However, for certain applications oriented wires in silicone or conductively loaded silicone are selected for their specific properties.

Most gaskets can be made from all standard materials but it is important to consider the 'land-width' around the periphery of a connector gasket if Aluweave or Monex are specified. In some instances, where a gasket has fixing holes on each corner, the holes are extended outwards to slots helping prevent damage to the gasket during production and fitting.

DC gaskets are fitted in the normal manner and particular care should be taken when passing a gasket over a threaded connector body. Avoid the use of conductive adhesives as they tend to adversely affect the sealing characteristics of most types of gasket.

### Specifications And Performance:

The specifications, temperature ranges and shielding performance of each material type can be found in the relevant material sections.

### How to order:

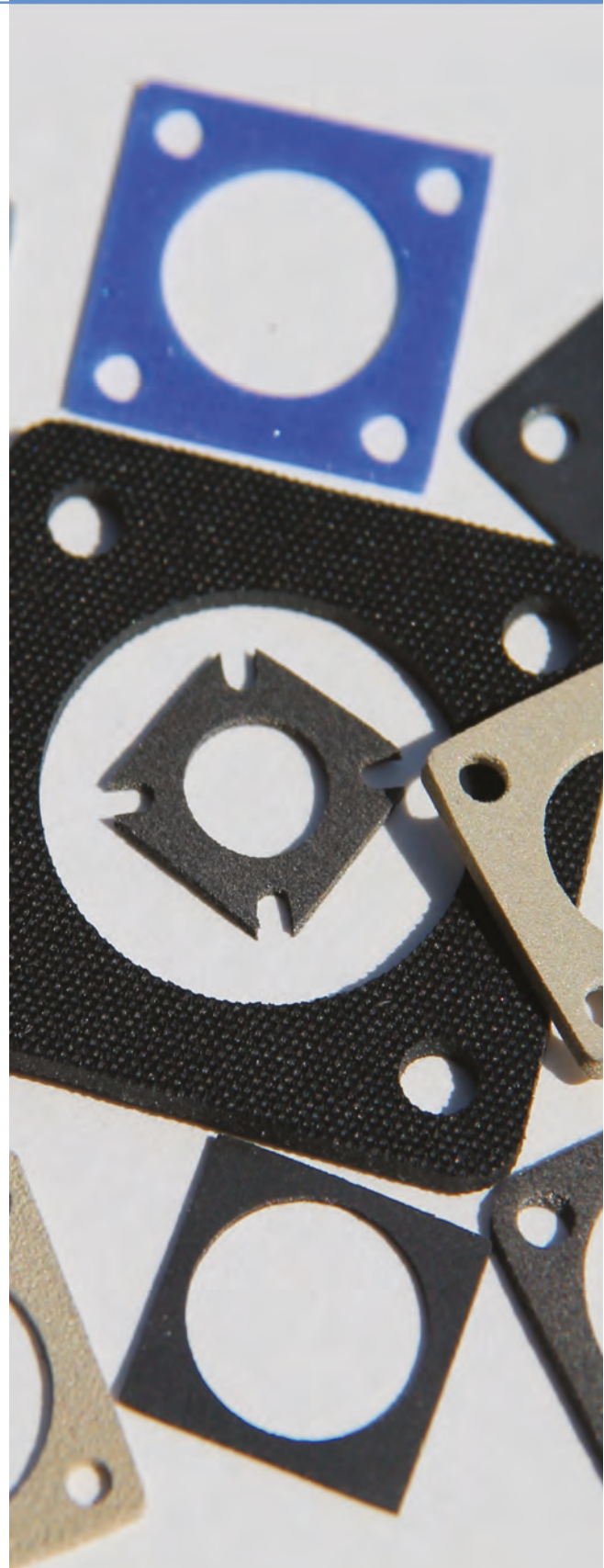
For AN connector gaskets specify the relevant part number from the table on the opposite page.

For all other waveguide and connector gaskets, state the material type and drawing number, MIL reference or standard specification as applicable or contact us to discuss your requirements.

#### Examples:

MC-312 = Shell size 12 in 0.5mm Silicone Aluweave

MC-210 = Shell size 10 in 0.75mm Silicone Monex

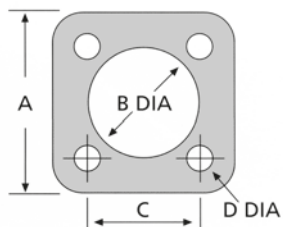


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For some materials the holes will need to be extended to the edge to form U-shaped fixing points.

### MIL-C-5015/26482 CONNECTOR GASKETS PART NUMBERS

AN SHELL SIZE	DIMENSIONS (mm)				PART NUMBER SUFFIX	PART NUMBER PREFIXES
	A	B	C	D		
8	22.23	12.70	15.09	4.5	08	MC-1 = Monex silicone 0.5mm
10	25.40	15.88	18.26	4.5	10	MC-2 = Monex silicone 0.75mm
12	27.79	19.05	20.65	4.5	12	MC-3 = Aluweave silicone 0.5mm
14	30.18	22.23	23.01	4.5	14	MC-4 = Aluweave neoprene 0.5mm
16	32.54	25.40	24.61	4.5	16	MC-5 = Silshield SP
18	34.93	28.58	27.00	5.0	18	MC-6 = Silshield SF
20	38.10	31.75	29.36	5.0	20	MC-7 = Exshield EC-Q
22	41.28	34.93	31.75	5.0	22	MC-8 = Silshield SR
24	44.45	38.10	34.93	5.5	24	MC-9 = Exshield EC-J
28	50.80	44.45	39.70	5.5	28	Other materials available on request
32	57.15	50.80	44.45	6.0	32	
36	63.50	55.58	49.23	6.0	36	
40	69.85	61.93	55.58	6.0	40	
44	76.20	70.64	60.33	6.0	44	
48	82.55	76.99	66.68	6.0	48	

### MIL-C-38999 CONNECTOR GASKETS PART NUMBERS

SHELL SIZE	DIMENSIONS (mm)				PART NUMBER SUFFIX	PART NUMBER
	A	B	C	D		
9	24.10	16.50	18.26	3.5	09	EE10-75-38999-09
11	26.50	19.60	20.62	3.5	11	EE10-75-38999-11
13	28.90	22.80	23.01	3.5	13	EE10-75-38999-13
15	31.30	26.00	24.61	3.5	15	EE10-75-38999-15
17	33.70	30.90	26.97	3.5	17	EE10-75-38999-17
19	36.90	32.30	29.36	3.5	19	EE10-75-38999-19
21	40.10	35.20	31.35	3.5	21	EE10-75-38999-21
23	43.30	38.70	34.93	4.1	23	EE10-75-38999-23
25	46.40	42.00	38.10	4.1	25	EE10-75-38999-25



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