

CONDUCTIVE WASHER & CYLINDER 5500

Electrically conductive washers & cylinders made from conductive foam and conductive rubber materials to seal the opening between the housing and the bolt holes.



Our Conductive Washers & Disks are precision-cut components designed to provide reliable EMI/RFI shielding and electrical grounding around screws, bolts, connectors, and enclosure interfaces.

Manufactured from electrically conductive materials, these washers and disks ensure optimal electrical contact while maintaining excellent mechanical sealing performance. They are widely used in electronics, telecommunications, medical devices, industrial equipment, and defense applications.

AVAILABLE MATERIAL & THICKNESS

We manufacture conductive washers and disks from the following materials:

- **Electrically Conductive Foam** (is especially recommended when lightweight solutions and easy installation are required.)
- **Silver-Plated Aluminium Conductive Rubber** (This material is ideal when long-term stability and reliable grounding performance are required.)
- **Carbon-Filled Conductive Rubber** (is widely used in industrial electronics and general shielding applications.)
- **Nickel / Graphite Filled Conductive Rubber** (This material is commonly used in high-reliability electronic and military applications.)

AVAILABLE MATERIAL & THICKNESS

Material	Thickness (mm)
Conductive foam (FOAM)	0.3, 0.5, 0.7, 1.0, 1.5, 2.0, 2.2, 3.0, 3.5, 5.0 (Tolerance of ± 0.1 mm)
Silver plated aluminium conductive rubber (SPA)	0.3, 0.5, 1.0, 1.2, 1.5, 1.7, 2.0, 2.5, 3.0 (Tolerance Up to 3.0 mm +/- 0.15 mm)
Carbon filled conductive rubber (GRA)	1.0, 2.0, 3.0, 4.0, 5.0, 10.0
Nickel/graphite filled conductive rubber (NIG)	0.3, 0.5, 1.0, 1.2, 1.5, 1.7, 2.0, 2.5 (Tolerance Up to 3.0 mm +/- 0.15 mm)

BENEFITS

- High EMI/EMP shielding effectiveness
- Any size in a few days
- Custom parts
- High temperature up to 220 °C
- Easy to mount
- Water tight constructions

OPTIONS

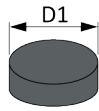
- Custom outer and inner diameters
- Various thicknesses available
- Die-cut according to drawing
- Self-adhesive backing optional
- Supplied as washers, solid disks, strips, or custom shapes

APPLICATIONS

- EMI/RFI shielding of screw connections
- Grounding of panels and enclosures
- Shielding around connectors and cable entries
- PCB grounding points
- Static discharge control
- Industrial, telecom, aerospace, and defense systems

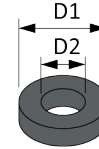
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5500-C CYLINDER



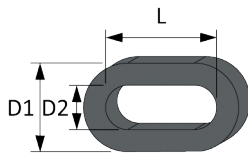
D1 (mm)	
2	16
3	18
4	20
5	22
6	24
8	26
10	28
12	30
14	32
Other dimensions on request. MOQ 10 pieces	

5500-R WASHER/RING



D1 x D2	
5 x 2	32 x 16
7 x 3	36 x 18
9 x 4	40 x 20
10 x 5	44 x 22
12 x 6	48 x 24
16 x 8	52 x 26
20 x 10	56 x 28
24 x 12	60 x 30
28 x 14	64 x 32
Other dimensions on request. MOQ 10 pieces	

5500-OR OVAL-RING



D1	D2	L
5	2	10-15-20-25-30-35
7	3	15-20-25-30-35-40
9	4	20-25-30-35-40-45
Other dimensions on request. Packed in bags of 10 pieces		

ORDER EXAMPLE

Series	Shape	Material	D1	D2	L
5500	<p>C : Cilinder</p> <p>R : Washer/Ring</p> <p>OR : oval-ring</p>	<p>FOAM : Conductive foam</p> <p>SPA : Silver plated aluminium conductive rubber</p> <p>GRA : Carbon filled conductive rubber</p> <p>NIG : Nickel graphite filled silicone conductive rubber</p>			
	<p>Thickness (mm)</p> <p>Please choose a thickness from the table</p>	<p>Adhesive</p> <p>01 : Standard self-adhesive</p> <p>02 : Without self-adhesive</p> <p>03 : With conductive adhesive</p>			