

O-Profiles

7900



For application in grooves

Several types of O-profiles have been developed for different applications, each with their own benefits.

Four kinds of cores are available: solid, hollow extrusion, cell rubber and small rectangular shapes. These can be covered with metallized fabric foils or conductive rubber. For optimal shielding performance a compression of 10-15% is recommended for solid extrusions and 10-50% for hollow extrusions and cell rubbers.

Dimensions in mm

Hollow	Solid	Cell Rubber	Rectangular
0.3 x 0.9	2.1	2.1	0.5 x 1
0.5 x 1.2	3.0	3.0	1 x 1
0.5 x 1.6	3.5	3.5	1 x 1.5
0.7 x 1.9	4.0	4.0	1 x 2
1.5 x 2.6	5.0	5.0	1 x 2.5
1.5 x 3.1	5.4	6.0	1 x 3
1.5 x 3.6	6.0	7.0	Only available in XY3 and XY4
2.0 x 4.1	7.0	8.0	
3 x 5	8.0	9.0	
4 x 6	9.0	10.0	
6 x 8	10.0	12.0	
7 x 10	11.0	15.0	
8 x 12	12.0	18.0	
12 x 15	15.0	20.0	
12 x 16	18.0	22.0	
16 x 20	20.0	25.0	



Solid and hollow conductive o-rings and profiles

Benefits

- easy to fit into grooves
- deflection up to 50%
- low closure force

Options

- cut into accurate lengths or endless O-rings
- drop out prevention fixtures
- UL94V-0 flame retardant core
- silicone core for high temperatures up to 220°C

Material Specification

Extrusion Type X	Base Material Y	Covering Z
1YZ : hollow	X1Z : neoprene	XY1 : reinforced Amucor
2YZ : solid	X2Z : silicone	XY2 : conductive fabric
3YZ : cell rubber	X3Z : PVC	XY3 : silver filled rubber
4YZ : rectangular	X4Z : EPDM	XY4 : nickel filled rubber
	X5Z : conductive rubber	XY5 : graphite filled rubber

Ordering Information

Taken from the table above - dimensions in mm. For tolerances and dimensions of your groove, please ask our engineers.

Example

Hollow silicone O-profile covered with conductive fabric, diameter 1.5 x 2.6 mm: 79122-1,5 x 2.6



Shielding Performance

Frequency Hz	Mode	Screening dB
1M	E	115
10M	E	108
100M	E	102
400M	E	82
1G	P	90

Shielding effectiveness depends on surface, shape of gaskets and material used.

See Guarantee