

TECHNICAL SPECIFICATION

Metal Gasket



Description:

Conductive gaskets made with different concentric metallic wire meshes.

They may have different sections: round, rectangular, round with tail or double round. Standard materials used are: Monel, Copperweld, Tinned-Copper, Stainless Steel and Aluminium. The wire suitable for your needs must be evaluated based upon the shielding and environmental specifications requested.

Applications:

Full metal gaskets are used for shielding lockers and containers where there is no need for elastic recovery after crushing. These are ideal for EMI/EMP shielding. These are not suitable for applications also requiring a seal from atmospheric conditions or elements, like water.

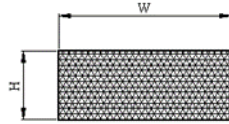
The Copperweld wire offers excellent shielding both in magnetic and electrical field frequencies.

Provision:

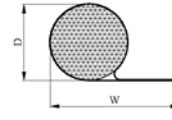
In spools or in pre-cut pieces to size, in section and dimension upon client request.

1. SANDARD PROFILE TYPE

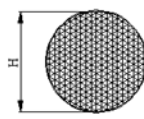
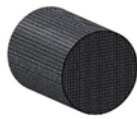
Shape “A.R”



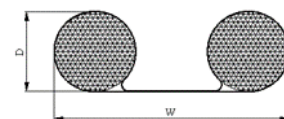
Shape “A.O.P.”



Shape “A.O”



Shape “A.O.S.”



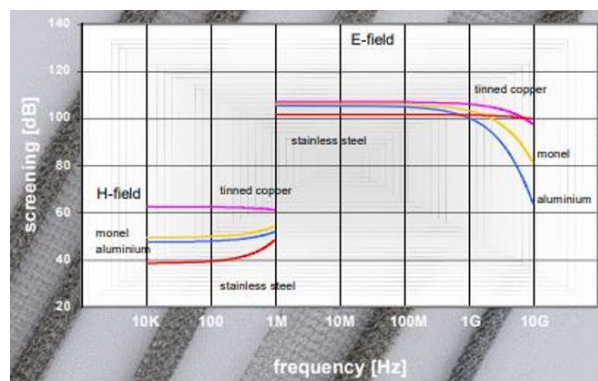
NOTE: Quotes in millimeters.

Tolerances of the product are defined according to “IO.85.1 - Documento Tecnico di Transcodifica”.

2. CONDUCTIVE WIRE

Name	Code	Dimensions	Material
Copperweld	CWS	0,11 mm	Tin plated 40% Copper clad steel
Monel	MO	0,11 mm	Main components: Ni-Fe-Cu
Tin-Copper	RS	0,12 mm	Tin coated copper
Stainless steel	SS	0,11 mm	Stainless steel AISI 304
Alluminum	AL	0,11 mm	Alluminum wire n° 3.3555

3. SHIELDING EFFECTIVENESS



STANDARD BIADHESIVE TAPE TYPE

Code	Material	Width	Adhesive	Temperature range
ADB	TESA 4914	6 and 9 mm	Modified acrylic	Up to +200° C
ADB	TESA 4965	3 and 4 mm	Modified acrylic	Up to +200° C

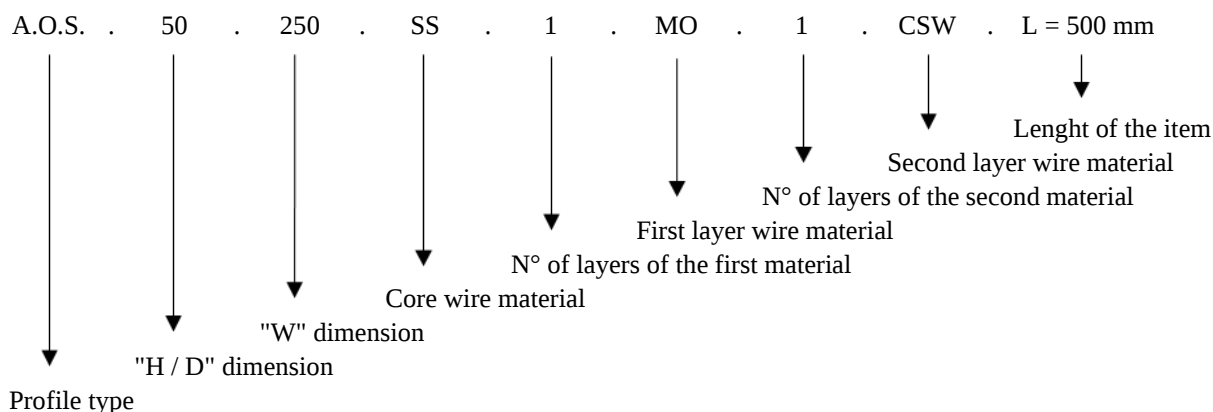
The PSA (pressure sensitive adhesive) tape will be supplied on demand, separately in rolls.

4. TYPE OF SUPPLY

Standard supply is in spool (the length is not present).

If the length is indicated, it means that the gasket is supplied in pieces.

ARTICLE DEFINITION FOR ORDER:



The data in this data sheet are purely indicative and refer to the sample tested in laboratory, therefore we recommend our customers to carry out their own checks in order to determine the conformity of our article in respect to their own needs before any further processing.