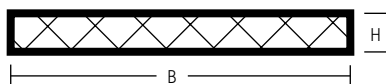




General Description

- ▶ Flat band is a knitted metal gaze consisting of 2 layers of commercial wire. It can be used to shield short cables by simply wrapping the band around the relevant cable.
- ▶ Flat band is also used to ensure proper contact between e.g. 2 metal plates that are rivetted together. To compensate uneven surfaces the flat band is simply placed between the 2 metal plates before they are rivetted together.
- ▶ **Monel = Alloy of copper (30 %) and nickel (67 %).**
SCF = Tinned copperclad steel. Steel (64 %), copper (34 % min), tin (2 %).

Flat band



Dimensions in mm

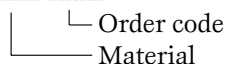
H	B	Order code
0,5	10	-0500
	18	-0501
	25	-0502
	40	-0503
	55	-0511
	60	-0504

Mechanical Tolerances

- ▶ Hight: $\pm 0,2$ mm
- ▶ Width: $\pm 5,0$ mm

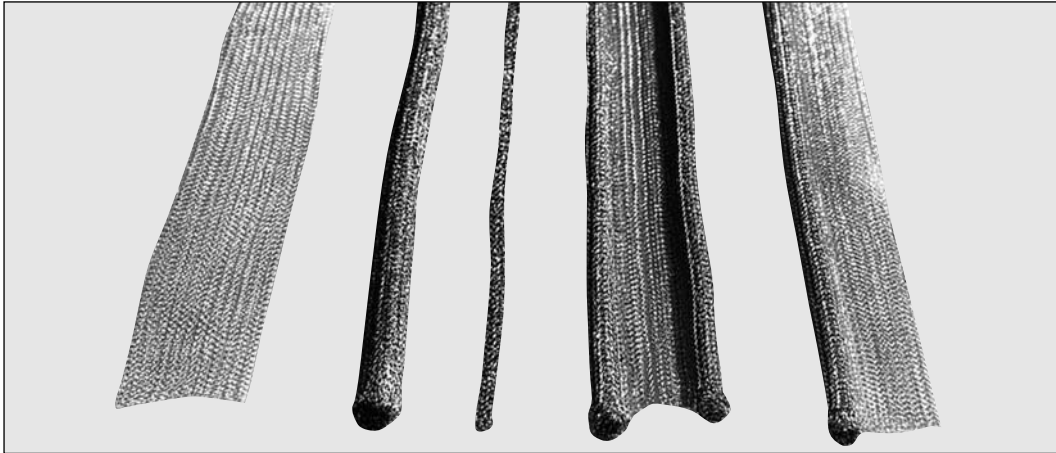
Ordering Information

- ▶ The ordering code consists of the material code, followed by the order code for dimensions:
 BOM-xxxx-xxxx



Material Code

Monel	Alu	Stainless steel	SCF
-7011-	-7012-	-7013-	-7014-



General Description

- ▶ BOM 7 gaskets are made from knitted metal wire and supplied in different shapes and dimensions. All commercial metal wires can be used, although monel and stainless steel followed by SCF and aluminium are the most popular wires. SCF provides remarkably good magnetic shielding whereas monel offers very good shielding performance and corrosion resistance. Monel has a high tensile strength and is often selected when using aluminium enclosures.
- ▶ Standard forms are O-strip, rectangular, O-strip with fin and double O-strip with fin, other shapes are possible. For connector gasket applications, BOM 7 can be compressed to round or rectangular jointless gaskets. In addition, we provide knitted metal gaze in 0,5 mm thickness and 10 - 60 mm width for cable shielding. Due to our highly flexible production methods BOM 7 can be manufactured to practically all dimensions in-between those herein listed and which are only examples to show some of the possibilities. All BOM 7 gaskets are also available covering an elastomer core - these are our BOM 8 products.
BOM 7 materials are suitable for moulded and extruded metal enclosures. As all metal gaskets have a limited elasticity, it is important to be aware of the closing force. This should not exceed 20 % when opening and closing the enclosure frequently. With 40 % compression permanent deformation should be expected. Therefore compression > 40 % should be used only when gasket is replaced after each opening of enclosure.
- ▶ **Monel = Alloy of copper (30 %) and nickel (67 %).**
SCF = Tinned copperclad steel. Steel (64 %), copper (34 % min), tin (2 %).
- ▶ Please note that listed metric dimensions are converted from U.S. inch standard dimensions. We are fully capable of meeting both metric dimensions and inches.
- ▶ Optionally for mounting provisions, some of the gaskets can be provided with non-conductive adhesive tapes. Please note, that due to the nature of the knitted wires, the adhesive tape is considered only as mounting provision and not as dependable solution. Consult factory for feasibility.

Specifications

- ▶ **Monel:** Ø 0,114 mm as per
DIN 17743/17750
Material-no. 2.4360
- ▶ **Aluminium:** Ø 0,127 mm
AMS-4182,
Alloy 5056
- ▶ **Stainless steel:** Ø 0,114 mm as per
DIN 17440
Material-no. 1.4301
- ▶ **Sn, Cu, Fe:** Ø 0,114 mm
ASTM-B-520

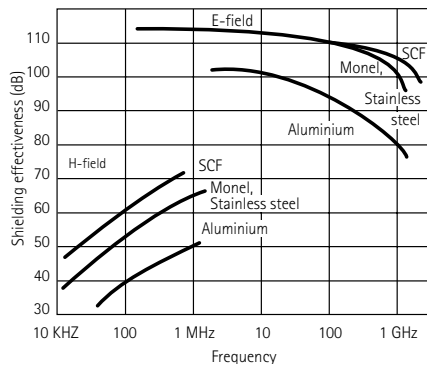
Mechanical Tolerances

- ▶ 1,5 - 5 mm: + 0,4 - 0 mm
- ▶ > 5,0 - 10 mm: + 0,6 - 0 mm
- ▶ > 10,0 - 17 mm: + 0,8 - 0 mm

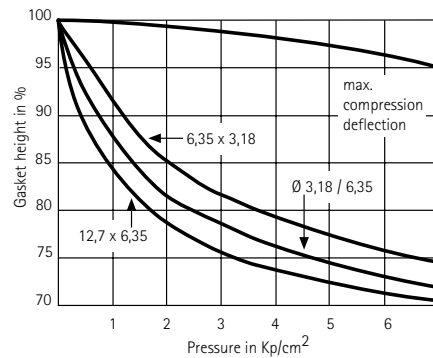
Material Code

Monel	Alu	Stainless steel	SCF
-7011-	-7012-	-7013-	-7014-

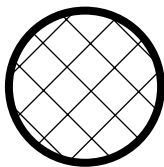
Shielding Performance



Compression Force



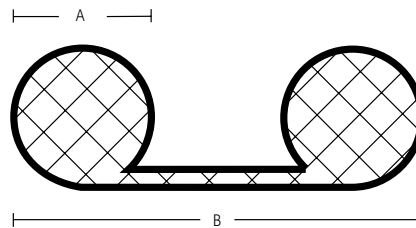
O-strip



D

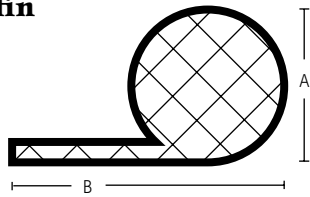
Dimensions in mm	Order code
D	
1,6	-0100
2,4	-0101
3,2	-0102
4,0	-0103
4,8	-0104
6,4	-0105
7,9	-0106
9,5	-0107
11,1	-0108
12,7	-0109

Double O-strip with fin



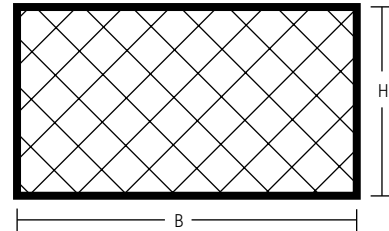
Dimensions in mm		Order code	Dimensions in mm		Order code	
A	B		A	B		
1,6	13,5	-0301	4,0	18,0	-0329	
	15,9	-0302		15,9	-0311	
	19,1	-0303		4,8	19,1	-0312
	22,2	-0304			22,2	-0313
2,0	25,0	-0323	25,4	-0314		
2,4	13,5	-0305	6,4	19,1	-0315	
				22,2	-0316	
3,2	15,9	-0307	9,5	25,4	-0317	
	19,1	-0308		25,4	-0318	
	22,2	-0309		31,8	-0319	
	25,4	-0310				

O-strip with fin



Dimensions in mm		Order code
A	B	
1,6	13,5	-0401
	15,9	-0402
	19,1	-0403
2,4	13,5	-0405
	19,1	-0406
3,2	13,5	-0409
	14,3	-0410
	15,9	-0411
	19,1	-0412
4,0	13,5	-0413
	19,1	-0414
4,8	13,5	-0416
	15,9	-0417
	19,1	-0418
	22,2	-0419
	25,4	-0424
6,4	13,5	-0420
	15,9	-0421
	19,1	-0422
	22,2	-0423
	25,4	-0424
7,9	15,9	-0425
	19,1	-0426
	22,2	-0427
9,5	15,9	-0428
	19,1	-0429
	22,2	-0430
	25,4	-0431
11,1	19,1	-0432
	22,2	-0433
	25,4	-0434
12,7	19,1	-0435
	22,2	-0436
	25,4	-0437

Rectangular strip



Dimensions in mm		Order code	Dimensions in mm		Order code	
H	B		H	B		
1,6	1,6	-0200	4,8	4,8	-0228	
	3,2	-0201		6,4	-0229	
	4,8	-0202		7,9	-0230	
	6,4	-0203		9,5	-0231	
	7,9	-0204		12,7	-0232	
	9,5	-0205		15,9	-0233	
	12,7	-0206		19,1	-0234	
	15,9	-0207		25,4	-0235	
	19,1	-0208		6,4	-0236	
	25,4	-0209		7,9	-0237	
2,4	2,4	-0210	6,4	9,5	-0238	
	3,2	-0211		12,7	-0239	
	4,8	-0212		15,9	-0240	
	6,4	-0213		19,1	-0241	
	7,9	-0214		7,9	-0243	
	9,5	-0215	9,5	-0244		
	12,7	-0216				
	15,9	-0217				
	3,2	3,2	-0218			
		4,0	-0219			
4,8		-0220				
6,4		-0221				
7,9		-0222				
9,5		-0223				
12,7		-0224				
15,9		-0225				
19,1		-0226				
25,4		-0227				

Ordering Information

► The ordering code consists of the material code, followed by the order code:

BOM-xxxx-xxxx

