



EMIShield



COMPELMA
EMC & Thermal Solutions

EDITION #3

PRODUIT - PRODUCT
 ES: mousse + tissu - foam + mesh
 EF: feillard - foil
 CF: tissus métallisés - conductive fabric
 FF: mousse + feillard - foam + foil

SECTION - SECTION
 R: rectangle - rectangular
 D: en "D" - "D"
 2: en "Double D" - "Double D"
 P: en "P" - "P"
 Q: plate + ronde - flat + round
 F: plate - flate
 I: de joints entrée/sortie -
 for I/O gaskets
 L: en "L" - "L"
 C: en "C" - "C"
 O: ronde - round
 T: triangulaire - triangular
 V: en "V" - "V"

FINITION - COATING
 A: Aluminium - Aluminum
 N: Nickel - Nickel
 U: Cuivre - Copper
 C: Carbone - Carbon
 G: Or - Gold
 S: Argent - Silver

HAUTEUR - HEIGHT (mm)


LARGEUR - WIDTH (mm)

TENUE AU FEU - FLAME CLASS
 N: pas de spécification - no specification
 H: UL94-HB
 V: UL94-V0

ADHESIF - ADHESIVE
 N: sans adhésif - without adhesive
 A: adhésif non conducteur sur la largeur
 (dimension non définie) - non-conductive adhesive
 on the width (size not specified)
 C: adhésif conducteur sur la largeur
 (dimension non définie) - conductive adhesive
 on the width (size not specified)

LONGUEUR - LENGTH (mm)
 Bxxx (m) pour bobines de longueur > 10 m
 - Bxxx (m) for roll with length > 10 m





COMPELMA
EMC & Thermal Solutions

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Contact **COMPELMA**
COMPELMA Representative

Comment se composent nos références :

1/ EMISHIELD – mousse + feuilard , mousse + tissus

Caractéristiques

Références

SECTION RECTANGULAIRE

SECTION EN D

SECTION EN DOUBLE D

SECTION EN P

SECTION PLATE + RONDE

SECTION PLATE

SECTION DE JOINTS ENTREE/SORTIE

SECTION EN L

SECTION EN C

SECTION RONDE

SECTION TRIANGULAIRE

SECTION ENV

2/ EMISHIELD – feuilard de Cuivre, feuilard d'Aluminium

Caractéristiques

Références

3/ Tissus métallique

Caractéristiques

Références

4/ Jointz spécifiques découpés ou formés suivant plans

Caractéristiques

5/ Type de conditionnement

6/ Quelques échantillons

How are made our part numbers :

1/ EMISHIELD – foam + foil , foam + mesh

Characteristics

References

RECTANGULAR SECTION

D SHAPE SECTION

DOUBLE D SECTION

P SHAPE SECTION

FLATE + ROUND SECTION

FLATE SECTION

SECTION FOR I/O GASKETS

L SHAPE SECTION

C SHAPE SECTION

ROUND SECTION

TRIANGULAR SECTION

V SECTION

2/ EMISHIELD – Copper foil , Aluminum foil

Characteristics

References

3/ Conductive Fabric

Characteristics

References

4/ Specific die-cut and formed gaskets to drawings

Characteristics

5/ Packaging

6/ Some Samples

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p.5

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p.10

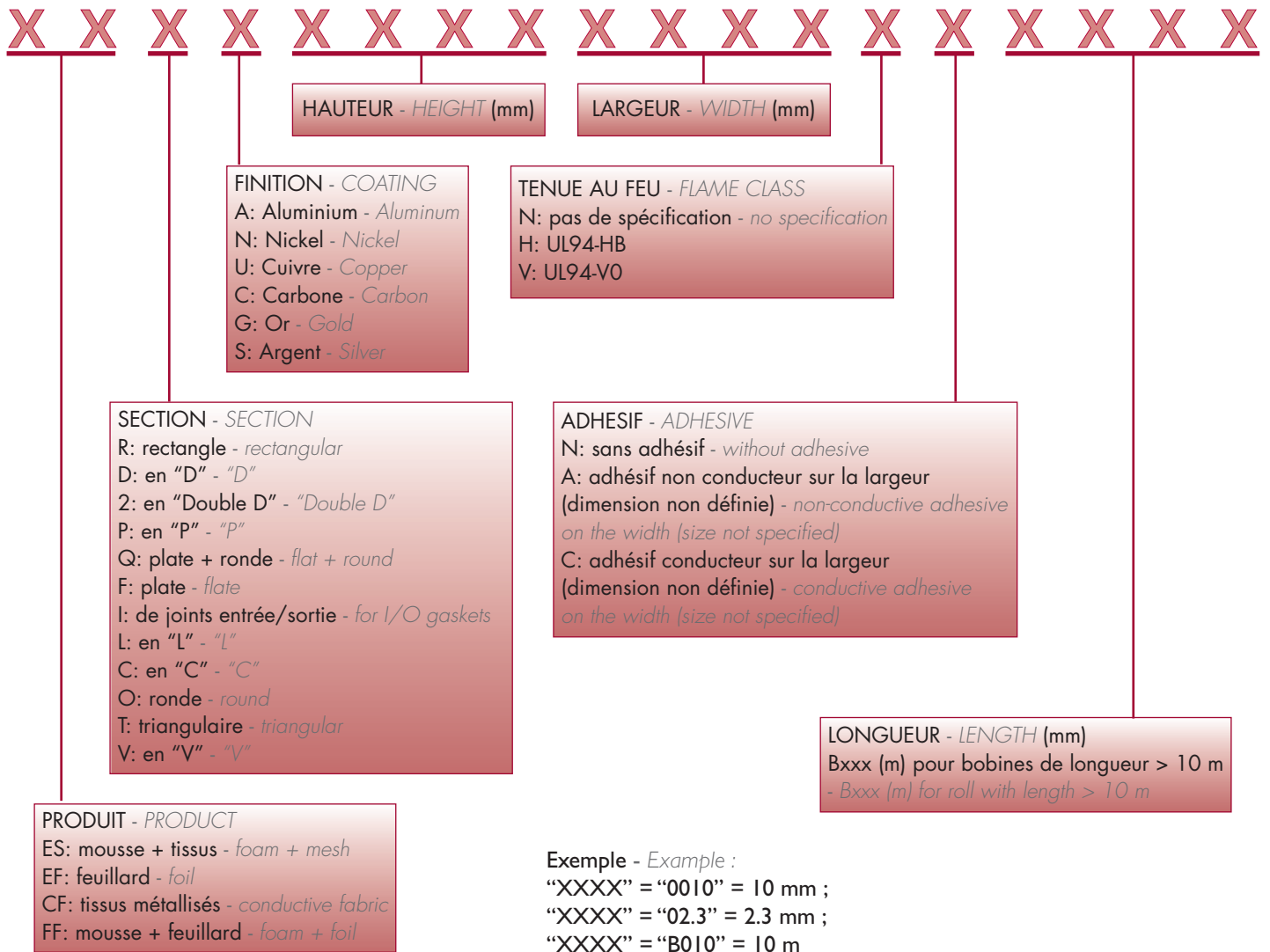
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p.10

p.11

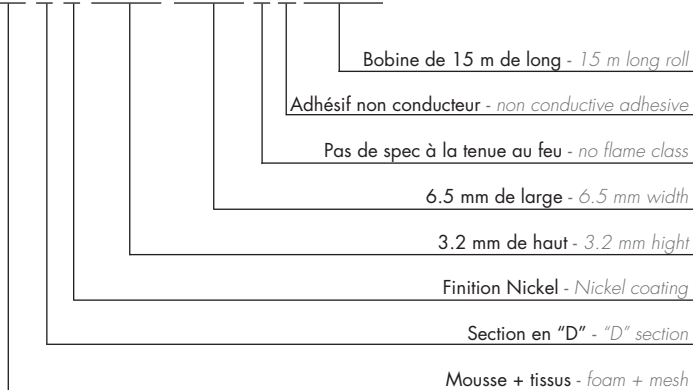
p.11

Comment se composent nos références – How are made our part numbers :

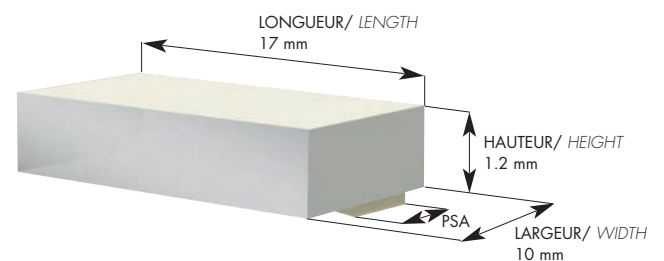
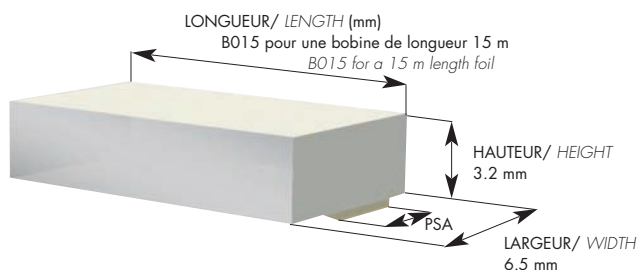
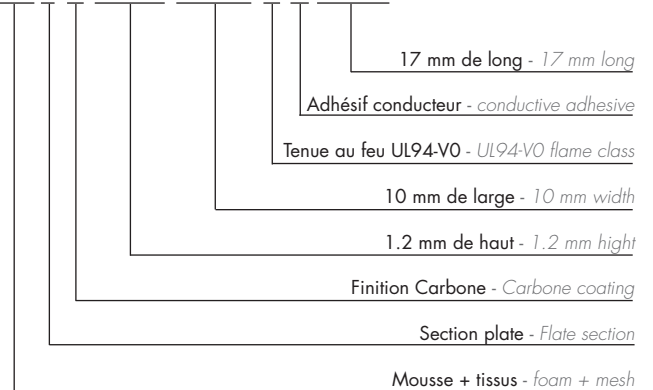


Exemple – Example :

ESDN03.206.5NAB015



ESFC01.20010VC0.17



I/ EMISHIELD – mousse + feillard , mousse + tissu

EMISHIELD – foam + foil , foam + mesh

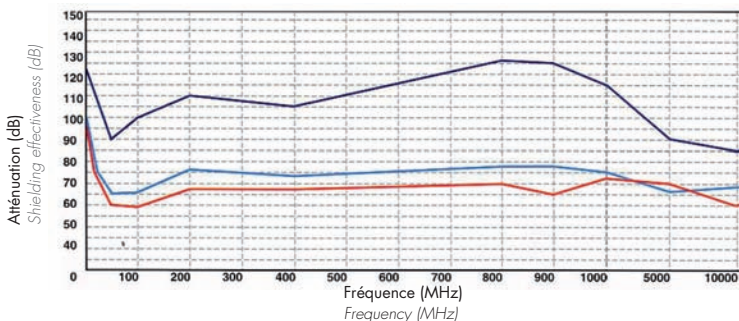
Caractéristiques – Characteristics



Ces joints EMIShields sont fabriqués à partir d'un feillard de Cuivre ou d'aluminium ou d'un tissu polyester métallisé, thermocollé sur une âme en mousse polyuréthane de différentes sections. Un adhésif double faces est ajouté afin de faciliter leur installation.

These EMIShield gaskets are fabricated from a Copper or Aluminum foil or a metalized woven polyester fabric, wrap around a Polyurethane core from different profiles. A double side adhesive tape is added to ease the gasket installation.

| | | |
|--|---|---|
| Tissu : <i>Conductive fabric :</i> | <ul style="list-style-type: none"> • 100% Polyester • Finitions : Nickel - Cuivre - Nickel Nickel - Cuivre - Nickel - Or Nickel - Cuivre - Nickel - Carbone Nickel - Cuivre - Nickel - Aluminium • Faible résistance : < 0,1 Ohm • Excellente tenue à l'abrasion | <ul style="list-style-type: none"> • 100% Polyester • Plating : Nickel over Copper over Nickel Nickel over Copper over Nickel over Gold Nickel over Copper over Nickel over Carbon Nickel over Copper over Nickel over Aluminum • Low resistance : < 0,1 Ohm • Excellent abrasion resistance |
| Mousse : <i>Foam :</i> | <ul style="list-style-type: none"> • Polyuréthane de densité 45 ± 3 Kg/m³ (32 ± 3 Kg/m³, et autres densités sur demande) • Déformation permanente : < 6% | <ul style="list-style-type: none"> • Density of polyurethane : 45 ± 3 Kg/m³ (32 ± 3 Kg/m³, and other density on request) • Compression set : < 6% |
| Adhésif PSA: <i>PSA Adhesive :</i> | <ul style="list-style-type: none"> • Pouvoir d'adhésion : 87 N / 100 mm (non conducteur) • Adhésif conducteur sur demande | <ul style="list-style-type: none"> • Adhesion strength : 87 N / 100 mm (non conductive) • Conductive adhesive on request |
| Joints EMIShield : <i>EMIShield gaskets:</i> | <ul style="list-style-type: none"> • Tenue au feu : UL94 HB (VO sur demande) - RoHS - Sans halogène - Sans sulfure • Température d'utilisation : -20°C, +100°C • Atténuation : de + 60dB à 100 dB de 30 MHz à 1 GHz (MIL-Std-285) | <ul style="list-style-type: none"> • Flame class : UL94 HB (VO on request) - RoHS - Halogen free - Sulfur free • Operating temperature : -20°C, +100° • Shielding effectiveness : 60 dB - 100 dB from 30MHz up to 1 GHz (MIL-Std-285) |



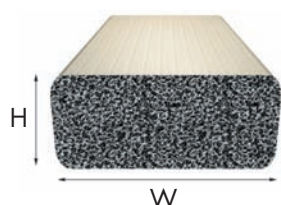
| | Dimensions (mm) | 0 - 4 | 5 - 12 | 13 - 35 | 36 - 100 | 101 - 350 | 351 - 1000 |
|--|---------------------------|----------|----------|----------|----------|------------|------------|
| Tolérances standard: <i>Standard Tolerances:</i> | Largeur <i>Width</i> | +/- 0.15 | +/- 0.20 | +/- 0.30 | +/- 0.40 | N/A | N/A |
| | Hauteur <i>Height</i> | +/- 0.15 | +/- 0.20 | +/- 0.30 | +/- 0.40 | N/A | N/A |
| | Longueur <i>Length</i> | N/A | +/- 0.20 | +/- 0.30 | +/- 0.40 | + / - 0.70 | +/- 1.00 |

Références – References

Nos ventes les plus importantes portent sur les références suivantes. Contactez nous pour toute autre référence (autres dimensions, finitions, adhésif, tenue au feu)

Our best sailing references are the following. Please contact us for any other reference (other dimensions, coating, adhesive tape, flame class) you would need

SECTIONS RECTANGULAIRES RECTANGULAR SECTIONS



- : ES (mousse + tissus)
FF (mousse + feuillard)
- : ES (foam + mesh)
FF (foam + foil)
- : lettre correspondant à la finition
letter corresponding to the coating

NEW!

Disponible en version **ALUMINIUM**

Available in **ALUMINIUM**

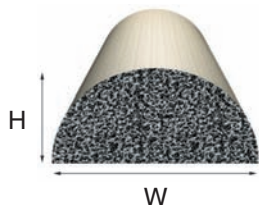
| Référence Part Number | Hauteur Height (mm) | Largeur Width (mm) | Longueur Length (mm) | PSA (mm) |
|--------------------------|---------------------------|--------------------------|----------------------------|-------------|
| -- R□00020003HA1000 * | 2.0 | 3.0 | 1000 | 2.0 |
| -- R□00020004HA1000 * | 2.0 | 4.0 | 1000 | 2.0 |
| -- R□00020006HA1000 | 2.0 | 6.0 | 1000 | 3.0 |
| -- R□00020007HA1000 * | 2.0 | 7.0 | 1000 | 3.0 |
| -- R□000209.5HA1000 | 2.0 | 9.5 | 1000 | 4.0 |
| -- R□00020010HA1000 | 2.0 | 10.0 | 1000 | 5.0 |
| -- R□00020012HA1000 * | 2.0 | 12.0 | 1000 | 6.0 |
| -- R□000212.7HA1000 | 2.0 | 12.7 | 1000 | 6.0 |
| -- R□00020015HA1000 | 2.0 | 15.0 | 1000 | 7.0 |
| -- R□00020021HA1000 | 2.0 | 21.0 | 1000 | 10.0 |
| -- R□02.20004HA1000 | 2.2 | 4.0 | 1000 | 2.0 |
| -- R□02.50005HA1000 * | 2.5 | 5.0 | 1000 | 3.0 |
| -- R□02.506.7HA1000 | 2.5 | 6.7 | 1000 | 3.0 |
| -- R□02.50010HA1000 | 2.5 | 10.0 | 1000 | 5.0 |
| -- R□02.50012HA1000 | 2.5 | 12.0 | 1000 | 6.0 |
| -- R□02.60014HA1000 | 2.6 | 14.0 | 1000 | 7.0 |
| -- R□00030003HA1000 * | 3.0 | 3.0 | 1000 | 2.0 |
| -- R□000303.9HA1000 | 3.0 | 3.9 | 1000 | 2.0 |
| -- R□00030004HA1000 | 3.0 | 4.0 | 1000 | 2.0 |
| -- R□00030006HA1000 * | 3.0 | 6.0 | 1000 | 3.0 |
| -- R□000306.6HA1000 | 3.0 | 6.6 | 1000 | 3.0 |
| -- R□00030007HA1000 | 3.0 | 7.0 | 1000 | 3.0 |
| -- R□00030009HA1000 * | 3.0 | 9.0 | 1000 | 4.0 |
| -- R□00030010HA1000 | 3.0 | 10.0 | 1000 | 5.0 |
| -- R□00030012HA1000 | 3.0 | 12.0 | 1000 | 6.0 |
| -- R□00030013HA1000 | 3.0 | 13.0 | 1000 | 7.0 |
| -- R□03.204.8HA1000 | 3.2 | 4.8 | 1000 | 3.0 |
| -- R□03.205.4HA1000 | 3.2 | 5.4 | 1000 | 3.0 |
| -- R□03.20006HA1000 | 3.2 | 6.0 | 1000 | 3.0 |
| -- R□03.206.4HA1000 | 3.2 | 6.4 | 1000 | 3.0 |
| -- R□03.209.5HA1000 | 3.2 | 9.5 | 1000 | 4.0 |
| -- R□03.212.7HA1000 | 3.2 | 12.7 | 1000 | 6.0 |
| -- R□03.217.8HA1000 | 3.2 | 17.8 | 1000 | 9.0 |
| -- R□03.304.8HA1000 | 3.3 | 4.8 | 1000 | 3.0 |
| -- R□03.50013HA1000 * | 3.5 | 13.0 | 1000 | 7.0 |

| Référence Part Number | Hauteur Height (mm) | Largeur Width (mm) | Longueur Length (mm) | PSA (mm) |
|--------------------------|---------------------------|--------------------------|----------------------------|-------------|
| -- R□00040004HA1000 * | 4.0 | 4.0 | 1000 | 2.0 |
| -- R□00040005HA1000 | 4.0 | 5.0 | 1000 | 3.0 |
| -- R□00040006HA1000 | 4.0 | 6.0 | 1000 | 3.0 |
| -- R□00040007HA1000 * | 4.0 | 7.0 | 1000 | 3.0 |
| -- R□00040008HA1000 * | 4.0 | 8.0 | 1000 | 4.0 |
| -- R□00040010HA1000 | 4.0 | 10.0 | 1000 | 5.0 |
| -- R□000414.5HA1000 * | 4.0 | 14.5 | 1000 | 7.0 |
| -- R□00040015HA1000 | 4.0 | 15.0 | 1000 | 7.0 |
| -- R□04.50010HA1000 | 4.5 | 10.0 | 1000 | 5.0 |
| -- R□04.515.5HA1000 | 4.5 | 15.5 | 1000 | 7.0 |
| -- R□00050005HA1000 * | 5.0 | 5.0 | 1000 | 3.0 |
| -- R□000505.5HA1000 | 5.0 | 5.5 | 1000 | 3.0 |
| -- R□00050006HA1000 | 5.0 | 6.0 | 1000 | 3.0 |
| -- R□00050007HA1000 | 5.0 | 7.0 | 1000 | 3.0 |
| -- R□00050008HA1000 | 5.0 | 8.0 | 1000 | 4.0 |
| -- R□00050010HA1000 * | 5.0 | 10.0 | 1000 | 5.0 |
| -- R□00060006HA1000 * | 6.0 | 6.0 | 1000 | 3.0 |
| -- R□00060010HA1000 | 6.0 | 10.0 | 1000 | 5.0 |
| -- R□00060013HA1000 | 6.0 | 13.0 | 1000 | 7.0 |
| -- R□06.406.4HA1000 | 6.4 | 6.4 | 1000 | 3.0 |
| -- R□06.40007HA1000 | 6.4 | 7.0 | 1000 | 3.0 |
| -- R□06.409.5HA1000 | 6.4 | 9.5 | 1000 | 4.0 |
| -- R□06.412.7HA1000 * | 6.4 | 12.7 | 1000 | 6.0 |
| -- R□06.40019HA1000 | 6.4 | 19.0 | 1000 | 9.0 |
| -- R□06.50012HA1000 | 6.5 | 12.0 | 1000 | 6.0 |
| -- R□06.50013HA1000 | 6.5 | 13.0 | 1000 | 7.0 |
| -- R□07.50015HA1000 | 7.5 | 15.0 | 1000 | 7.0 |
| -- R□00080006HA1000 * | 8.0 | 6.0 | 1000 | 3.0 |
| -- R□00080010HA1000 | 8.0 | 10.0 | 1000 | 5.0 |
| -- R□00080013HA1000 | 8.0 | 13.0 | 1000 | 7.0 |
| -- R□09.509.5HA1000 | 9.5 | 9.5 | 1000 | 4.0 |
| -- R□09.512.7HA1000 | 9.5 | 12.7 | 1000 | 6.0 |
| -- R□09.525.4HA1000 | 9.5 | 25.4 | 1000 | 12.0 |
| -- R□00100010HA1000 * | 10.0 | 10.0 | 1000 | 5.0 |
| -- R□00100013HA1000 | 10.0 | 13.0 | 1000 | 7.0 |
| -- R□00100018HA1000 | 10.0 | 18.0 | 1000 | 9.0 |
| -- R□11.710.7HA1000 | 11.7 | 10.7 | 1000 | 5.0 |
| -- R□00120008HA1000 | 12.0 | 8.0 | 1000 | 4.0 |
| -- R□00120012HA1000 | 12.0 | 12.0 | 1000 | 6.0 |
| -- R□12.712.7HA1000 | 12.7 | 12.7 | 1000 | 6.0 |
| -- R□00130010HA1000 | 13.0 | 10.0 | 1000 | 5.0 |
| -- R□00150015HA1000 | 15.0 | 15.0 | 1000 | 7.0 |
| -- R□00150018HA1000 | 15.0 | 18.0 | 1000 | 9.0 |
| -- R□15.925.4HA1000 | 15.9 | 25.4 | 1000 | 12.0 |
| -- R□00160020HA1000 | 16.0 | 20.0 | 1000 | 10.0 |
| -- R□00170017HA1000 | 17.0 | 17.0 | 1000 | 9.0 |
| -- R□00180021HA1000 | 18.0 | 21.0 | 1000 | 10.0 |
| -- R□00210017HA1000 | 21.0 | 17.0 | 1000 | 9.0 |
| -- R□00250017HA1000 | 25.0 | 17.0 | 1000 | 9.0 |
| -- R□00250020HA1000 | 25.0 | 20.0 | 1000 | 10.0 |
| -- R□00250025HA1000 | 25.0 | 25.0 | 1000 | 12.0 |

*: disponibilité immédiate / immediate availability

Contactez nous pour toute autre référence (autres dimensions, finitions, adhésif, tenue au feu)
Contact us for any other reference (other dimensions, coating, adhesive tape, flame class)

SECTION EN D D SHAPE SECTION



- : ES (mousse + tissus)
FF (mousse + feuilard)
- : ES (foam + mesh)
FF (foam + foil)
- : lettre correspondant à la finition
letter corresponding to the coating

NEW!

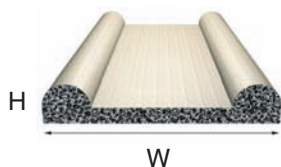
Disponible en version **ALUMINIUM**
Available in **ALUMINIUM**

| Référence Part Number | Hauteur Height (mm) | Largeur Width (mm) | Longueur Length (mm) | PSA (mm) |
|--------------------------|---------------------------|--------------------------|----------------------------|-------------|
| -- D□01.503.8HA1000 * | 1.5 | 3.8 | 1000 | 2.0 |
| -- D□00020003HA1000 * | 2.0 | 3.0 | 1000 | 2.0 |
| -- D□00020006HA1000 | 2.0 | 6.0 | 1000 | 3.0 |
| -- D□02.302.3HA1000 | 2.3 | 2.3 | 1000 | 2.0 |
| -- D□02.303.8HA1000 | 2.3 | 3.8 | 1000 | 2.0 |
| -- D□00030003HA1000 | 3.0 | 3.0 | 1000 | 2.0 |
| -- D□000303.8HA1000 * | 3.0 | 3.8 | 1000 | 2.0 |
| -- D□03.202.3HA1000 | 3.2 | 2.3 | 1000 | 2.0 |
| -- D□03.206.5HA1000 * | 3.2 | 6.5 | 1000 | 3.0 |

| Référence Part Number | Hauteur Height (mm) | Largeur Width (mm) | Longueur Length (mm) | PSA (mm) |
|--------------------------|---------------------------|--------------------------|----------------------------|-------------|
| -- D□03.20009HA1000 * | 3.2 | 9.0 | 1000 | 5.0 |
| -- D□03.606.4HA1000 | 3.6 | 6.4 | 1000 | 3.0 |
| -- D□04.50006HA1000 | 4.5 | 6.0 | 1000 | 3.0 |
| -- D□04.50010HA1000 * | 4.5 | 10.0 | 1000 | 5.0 |
| -- D□04.50011HA1000 | 4.5 | 11.0 | 1000 | 5.0 |
| -- D□04.807.6HA1000 * | 4.8 | 7.6 | 1000 | 4.0 |
| -- D□00050006HA1000 | 5.0 | 6.0 | 1000 | 3.0 |
| -- D□000506.5HA1000 * | 5.0 | 6.5 | 1000 | 3.0 |
| -- D□00050010HA1000 | 5.0 | 10.0 | 1000 | 5.0 |
| -- D□05.50006HA1000 | 5.5 | 6.0 | 1000 | 3.0 |
| -- D□05.50010HA1000 | 5.5 | 10.0 | 1000 | 5.0 |
| -- D□05.50011HA1000 | 5.5 | 11.0 | 1000 | 5.0 |
| -- D□000606.5HA1000 | 6.0 | 6.5 | 1000 | 3.0 |
| -- D□06.409.5HA1000 * | 6.4 | 9.5 | 1000 | 5.0 |
| -- D□00070010HA1000 * | 7.0 | 10.0 | 1000 | 5.0 |
| -- D□07.50010HA1000 | 7.5 | 10.0 | 1000 | 5.0 |
| -- D□09.512.7HA1000 * | 9.5 | 12.7 | 1000 | 6.0 |
| -- D□00100010HA1000 | 10.0 | 10.0 | 1000 | 5.0 |
| -- D□17.50012HA1000 | 12.0 | 17.5 | 1000 | 9.0 |
| -- D□00140018HA1000 | 14.0 | 18.0 | 1000 | 9.0 |
| -- D□00200018HA1000 | 20.0 | 18.0 | 1000 | 9.0 |
| -- D□00230018HA1000 | 23.0 | 18.0 | 1000 | 9.0 |

*: disponibilité immédiate / immediate availability

SECTION DOUBLE EN D DOUBLE D SECTION



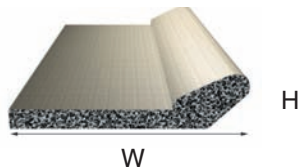
- : lettre correspondant à la finition
letter corresponding to the coating

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Disponible en version **ALUMINIUM**
Available in **ALUMINIUM**

| Référence Part Number | Hauteur Height (mm) | Largeur Width (mm) | Longueur Length (mm) | PSA (mm) |
|--------------------------|---------------------------|--------------------------|----------------------------|-------------|
| ES2□03.507.5HA1000 | 2.8 | 9.7 | 1000 | 5.0 |
| FF2□03.507.5HA1000 | 2.8 | 9.7 | 1000 | 5.0 |

SECTION EN P P SHAPE SECTION



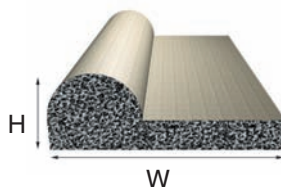
- : lettre correspondant à la finition
letter corresponding to the coating

NEW!

Disponible en version **ALUMINIUM**
Available in **ALUMINIUM**

| Référence Part Number | Hauteur Height (mm) | Largeur Width (mm) | Longueur Length (mm) | PSA (mm) |
|--------------------------|---------------------------|--------------------------|----------------------------|-------------|
| ESP□00020008HA1000 | 2.0 | 8.0 | 1000 | 4.0 |
| ESP□03.313.2HA1000 | 3.3 | 13.2 | 1000 | 7.0 |
| ESP□00070010HA1000 | 7.0 | 10.0 | 1000 | 6.0 |
| FFP□00020008HA1000 | 2.0 | 8.0 | 1000 | 4.0 |
| FFP□03.313.2HA1000 | 3.3 | 13.2 | 1000 | 7.0 |
| FFP□00070010HA1000 | 7.0 | 10.0 | 1000 | 6.0 |

SECTION PLATE + RONDE FLATE + ROUND SECTION



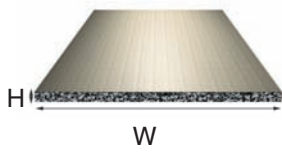
- : ES (mousse + tissus)
FF (mousse + feuilard)
- : ES (foam + mesh)
FF (foam + foil)
- : lettre correspondant à la finition
letter corresponding to the coating

NEW!

Disponible en version **ALUMINIUM**
Available in **ALUMINIUM**

| Référence Part Number | Hauteur Height (mm) | Largeur Width (mm) | Longueur Length (mm) | PSA (mm) |
|--------------------------|---------------------------|--------------------------|----------------------------|-------------|
| -- Q□02.412.7HA1000 | 2.4 | 12.7 | 1000 | 7.0 |
| -- Q□02.512.7HA1000 | 2.5 | 12.7 | 1000 | 7.0 |
| -- Q□03.512.5HA1000 | 3.5 | 12.5 | 1000 | 7.0 |
| -- Q□06.419.1HA1000 | 6.4 | 19.1 | 1000 | 9.0 |

SECTION PLATE FLATE SECTION



- : ES (mousse + tissus)
FF (mousse + feuilard)
- : ES (foam + mesh)
FF (foam + foil)
- : lettre correspondant à la finition
letter corresponding to the coating

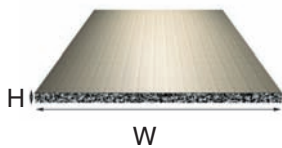
NEW!

Disponible en version **ALUMINIUM**
Available in **ALUMINIUM**

| Référence Part Number | Hauteur Height (mm) | Largeur Width (mm) | Longueur Length (mm) | PSA (mm) |
|--------------------------|---------------------------|--------------------------|----------------------------|-------------|
| -- F□00.50005HA1000 | 0.5 | 5.0 | 1000 | 3.0 |
| -- F□00.50007HA1000 | 0.5 | 7.0 | 1000 | 4.0 |
| -- F□00.50010HA1000 | 0.5 | 10.0 | 1000 | 5.0 |
| -- F□00.70013HA1000 * | 0.7 | 13.0 | 1000 | 6.0 |
| -- F□00.90013HA1000 | 0.9 | 13.0 | 1000 | 6.0 |
| -- F□00010003HA1000 | 1.0 | 3.0 | 1000 | 2.0 |
| -- F□00010004HA1000 | 1.0 | 4.0 | 1000 | 2.0 |
| -- F□00010005HA1000 * | 1.0 | 5.0 | 1000 | 3.0 |
| -- F□00010006HA1000 | 1.0 | 6.0 | 1000 | 3.0 |
| -- F□00010007HA1000 | 1.0 | 7.0 | 1000 | 4.0 |
| -- F□00010008HA1000 | 1.0 | 8.0 | 1000 | 4.0 |
| -- F□00010009HA1000 | 1.0 | 9.0 | 1000 | 4.0 |
| -- F□00010010HA1000 | 1.0 | 10.0 | 1000 | 5.0 |
| -- F□00010012HA1000 | 1.0 | 12.0 | 1000 | 6.0 |
| -- F□00010013HA1000 | 1.0 | 13.0 | 1000 | 6.0 |
| -- F□01.20004HA1000 | 1.2 | 4.0 | 1000 | 2.0 |
| -- F□01.20005HA1000 | 1.2 | 5.0 | 1000 | 3.0 |
| -- F□01.20007HA1000 | 1.2 | 7.0 | 1000 | 4.0 |
| -- F□01.20010HA1000 | 1.2 | 10.0 | 1000 | 5.0 |
| -- F□01.50005HA1000 * | 1.5 | 5.0 | 1000 | 3.0 |
| -- F□01.50006HA1000 | 1.5 | 6.0 | 1000 | 3.0 |
| -- F□01.50007HA1000 | 1.5 | 7.0 | 1000 | 4.0 |
| -- F□01.50013HA1000 | 1.5 | 13.0 | 1000 | 6.0 |
| -- F□01.607.6HA1000 | 1.6 | 7.6 | 1000 | 4.0 |
| -- F□01.80005HA1000 | 1.8 | 5.0 | 1000 | 3.0 |
| -- F□01.80007HA1000 | 1.8 | 7.0 | 1000 | 4.0 |
| -- F□01.80010HA1000 | 1.8 | 10.0 | 1000 | 5.0 |

*: disponibilité immédiate / immediate availability

SECTION DE JOINTS ENTRÉE/SORTIE SECTION FOR I/O GASKETS



- : ES (mousse + tissus)
FF (mousse + feuilard)
- : ES (foam + mesh)
FF (foam + foil)
- : lettre correspondant à la finition
letter corresponding to the coating

NEW!

Disponible en version **ALUMINIUM**
Available in **ALUMINIUM**

| Référence Part Number | Hauteur Height (mm) | Largeur Width (mm) | Longueur Length (mm) | PSA (mm) |
|--------------------------|---------------------------|--------------------------|----------------------------|-------------|
| -- I□00010018HA1000 | 1.0 | 18.0 | 1000 | 3.0x2 |
| -- I□00010021HA1000 * | 1.0 | 21.0 | 1000 | 3.0x2 |
| -- I□000125.4HA1000 | 1.0 | 25.4 | 1000 | 3.0x2 |
| -- I□01.525.4HA1000 | 1.5 | 25.4 | 1000 | 3.0x2 |
| -- I□01.550.8HA1000 * | 1.5 | 50.8 | 1000 | 3.0x2 |
| -- I□00020020HA1000 | 2.0 | 20.0 | 1000 | 3.0x2 |
| -- I□00020021HA1000 | 2.0 | 21.0 | 1000 | 3.0x2 |
| -- I□00020027HA1000 | 2.0 | 27.0 | 1000 | 3.0x2 |
| -- I□000228.6HA1000 | 2.0 | 28.6 | 1000 | 3.0x2 |
| -- I□000241.3HA1000 | 2.0 | 41.3 | 1000 | 3.0x2 |
| -- I□00020045HA1000 | 2.0 | 45.0 | 1000 | 3.0x2 |
| -- I□00020060HA1000 * | 2.0 | 60.0 | 1000 | 3.0x2 |
| -- I□02.319.1HA1000 | 2.3 | 19.1 | 1000 | 3.0x2 |
| -- I□02.50021HA1000 | 2.5 | 21.0 | 1000 | 3.0x2 |
| -- I□02.50043HA1000 | 2.5 | 43.0 | 1000 | 3.0x2 |
| -- I□02.50055HA1000 | 2.5 | 55.0 | 1000 | 3.0x2 |
| -- I□000325.4HA1000 | 3.0 | 25.4 | 1000 | 3.0x2 |
| -- I□03.20040HA1000 | 3.2 | 40.0 | 1000 | 3.0x2 |
| -- I□03.70021HA1000 | 3.7 | 21.0 | 1000 | 3.0x2 |
| -- I□04.641.3HA1000 | 4.6 | 41.3 | 1000 | 3.0x2 |

*: disponibilité immédiate / immediate availability

Contactez nous pour toute autre référence (autres dimensions, finitions, adhésif, tenue au feu)
Contact us for any other reference (other dimensions, coating, adhesive tape, flame class)

SECTION EN L L SHAPE SECTION



□ : lettre correspondant à la finition
letter corresponding to the coating

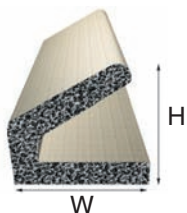
NEW!

Disponible en version **ALUMINIUM**
Available in **ALUMINIUM**

| Référence Part Number | Hauteur Height (mm) | Largeur Width (mm) | Longueur Length (mm) | PSA (mm) |
|--------------------------|---------------------------|--------------------------|----------------------------|-------------|
| ESL□00110011HA1000 * | 11.0 | 11.0 | 1000 | 6.0 |
| ESL□00150014HN1000 | 15.0 | 14.0 | 1000 | |
| FFL□00110011HA1000 * | 11.0 | 11.0 | 1000 | 6.0 |
| FFL□00150014HN1000 | 15.0 | 14.0 | 1000 | |

*: disponibilité immédiate / immediate availability

SECTION EN C C SHAPE SECTION



-- : ES (mousse + tissu)
FF (mousse + feuillard)
-- : ES (foam + mesh)
FF (foam + foil)

□ : lettre correspondant à la finition
letter corresponding to the coating

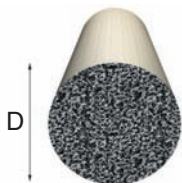
NEW!

Disponible en version **ALUMINIUM**
Available in **ALUMINIUM**

| Référence Part Number | Hauteur Height (mm) | Largeur Width (mm) | Longueur Length (mm) | PSA (mm) |
|--------------------------|---------------------------|--------------------------|----------------------------|-------------|
| -- C□03.507.5HA1000 * | 3.5 | 7.5 | 1000 | 3.0 |
| -- C□06.405.9HA1000 | 6.4 | 5.9 | 1000 | 3.0 |
| -- C□00080008HA1000 | 8.0 | 8.0 | 1000 | 4.0 |
| -- C□09.810.7HA1000 * | 9.8 | 10.7 | 1000 | 6.0 |
| -- C□00100010HA1000 | 10.0 | 10.0 | 1000 | 5.0 |
| -- C□11.912.4HA1000 | 11.9 | 12.4 | 1000 | 6.0 |
| -- C□0015017.3HA1000 | 15.0 | 17.3 | 1000 | 9.0 |

*: disponibilité immédiate / immediate availability

SECTION RONDE ROUND SECTION



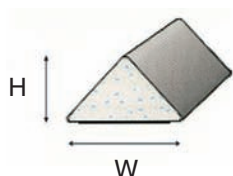
□ : lettre correspondant à la finition
letter corresponding to the coating

NEW!

Disponible en version **ALUMINIUM**
Available in **ALUMINIUM**

| Référence Part Number | Hauteur Height (mm) | Largeur Width (mm) | Longueur Length (mm) | PSA (mm) |
|--------------------------|---------------------------|--------------------------|----------------------------|-------------|
| ESO□02.502.5HA1000 | 2.5 | 2.5 | 1000 | |
| ESO□03.203.2HA1000 | 3.2 | 3.2 | 1000 | |
| ESO□00110011HA1000 | 11.0 | 11.0 | 1000 | |
| FFO□02.502.5HA1000 | 2.5 | 2.5 | 1000 | |
| FFO□03.203.2HA1000 | 3.2 | 3.2 | 1000 | |
| FFO□00110011HA1000 | 11.0 | 11.0 | 1000 | |

SECTION TRIANGULAIRE TRIANGULAR SECTION



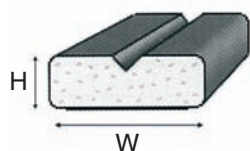
□ : lettre correspondant à la finition
letter corresponding to the coating

NEW!

Disponible en version **ALUMINIUM**
Available in **ALUMINIUM**

| Référence Part Number | Hauteur Height (mm) | Largeur Width (mm) | Longueur Length (mm) | PSA (mm) |
|--------------------------|---------------------------|--------------------------|----------------------------|-------------|
| EST□00040004HA1000 | 4.0 | 4.0 | 1000 | |
| EST□00020005HA1000 | 2.0 | 5.0 | 1000 | |
| FFT□00040004HA1000 | 4.0 | 4.0 | 1000 | |
| FFT□00020005HA1000 | 2.0 | 5.0 | 1000 | |

SECTION EN V V SECTION



□ : lettre correspondant à la finition
letter corresponding to the coating

NEW!

Disponible en version **ALUMINIUM**
Available in **ALUMINIUM**

| Référence Part Number | Hauteur Height (mm) | Largeur Width (mm) | Longueur Length (mm) | PSA (mm) |
|--------------------------|---------------------------|--------------------------|----------------------------|-------------|
| ESV□00050020HA1000 | 5.0 | 20.0 | 1000 | |
| ESV□00060028HA1000 | 6.0 | 28.0 | 1000 | |
| FFV□00050020HA1000 | 5.0 | 20.0 | 1000 | |
| FFV□00060028HA1000 | 6.0 | 28.0 | 1000 | |

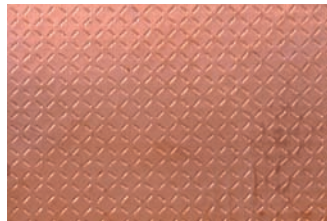
2/ EMISHIELD – feillard de Cuivre, feillard d’Aluminium

EMISHIELD – copper foil, Aluminum foil

Caractéristiques – Characteristics



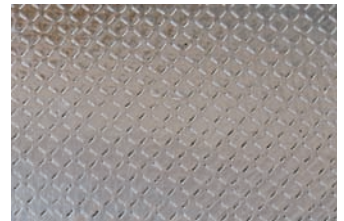
Bobine de Cuivre
Copper roll



Feillard de Cuivre
Copper foil



Bobine d’Aluminium
Aluminum roll



Feillard d’Aluminium
Aluminum foil

Atténuation - Shielding Effectiveness
Adhésif sur demande - Adhesive on request

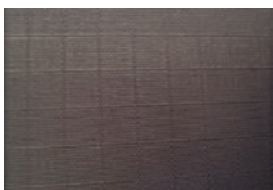
54dB-75dB (100MHz - 1GHz) [MIL25M]
NITTO, 3M, KMP, TESA

Références – References

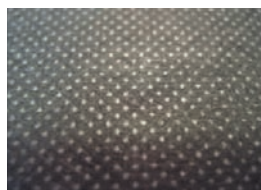
| Référence Part Number | Hauteur Height (mm) | Largeur Width (mm) | Longueur Length (mm) | Résistance de surface Surface Resistance (Ω /in ²) | |
|--------------------------|---------------------------|--------------------------|----------------------------|--|--|
| EFFA.0550300NCB010 | 0.055 | 300 | 10 | <0.1 | Aluminum film 25 μ m Conductive adhesive 30 μ m Release liner 70 μ m |
| EFFA0.070300NCB010 | 0.070 \pm 0.010 | 300 | 10 | <0.1 | Aluminum film 40 μ m Conductive adhesive 30 μ m Release liner 70 μ m |
| EFFA0.085300NCB010 | 0.085 \pm 0.020 | 300 | 10 | <0.1 | Release liner 70 μ m Conductive adhesive 30 μ m Aluminum film 25 μ m Conductive adhesive 30 μ m |
| EFFU.0650300NCB010 | 0.065 \pm 0.010 | 300 | 10 | <0.1 | Copper film 35 μ m Conductive adhesive 30 μ m Release liner 70 μ m |
| EFFU.0650300NCB033 | 0.065 | 300 | 33 | <0.1 | Copper film 35 μ m Conductive adhesive 30 μ m Release liner 70 μ m |

3/ Tissus métallique – Conductive Fabric

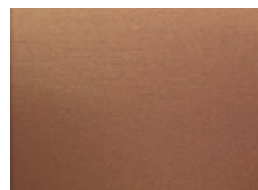
Caractéristiques – Characteristics



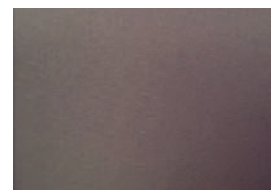
Ni/Cu/Ni RipStop
Ni/Cu/Ni RipStop



Ni/Cu/Ni non tissé
Ni/Cu/Ni non woven



Ni/Cu/Ni/C RipStop
Ni/Cu/Ni/C RipStop



Ni/Cu/Ni/Au tissé
Ni/Cu/Ni/Au woven

Les tissus métallisés assurent une excellente atténuation des EMI et possèdent une très bonne conductivité électrique. Ils peuvent être utilisés pour les applications requérant une double conductivité (électrique et thermique).
Conductive mesh fabric tape has very good effectiveness for EMI shielding and electric contact to objects needed conductivity. They can be used in applications which need both throughput conductivity (electrical and thermal).

Température maxi - Max Short duration Temperature : 210 °C

Références – References

| Type | Finition | Référence article | Hauteur | Largeur | Longueur | Résistance de surface | Atténuation |
|-----------|-------------|--------------------|--------------------|------------|-------------|---|------------------------------|
| Type | Plating | Part Number | Height (mm) | Width (mm) | Length (mm) | Surface Resistance (Ω/in^2) | Shielding effectiveness (dB) |
| Ripstop | Ni/Cu/Ni | MFFN0.121100NNB150 | 0.12 $\pm 10\%$ | 1100 | 150 | <0.08 | 88~102 (40MHz-1GHz) |
| | Ni/Cu/Ni/Au | MFFG0.121100NNB150 | 0.12 $\pm 10\%$ | 1100 | 150 | <0.08 | 88~102 (40MHz-1GHz) |
| | Ni/Cu/Ni/Ag | MFFS0.121100NNB150 | 0.12 $\pm 10\%$ | 1100 | 150 | <0.1 | 88~102 (40MHz-1GHz) |
| | Ni/Cu/Ni/C | MFFC0.121100NNB150 | 0.12 $\pm 10\%$ | 1100 | 150 | <0.2 | 88~102 (40MHz-1GHz) |
| Non Woven | Ni/Cu/Ni | MFFN0.151000NNB150 | 0.15 $\pm 20\%$ | 1000 | 150 | <0.08 | 60~85 (30MHz-1GHz) |
| | Ni/Cu/Ni | MFFN0.201000NNB150 | 0.2 $\pm 20\%$ | 1000 | 150 | <0.08 | 60~85 (30MHz-1GHz) |
| | Ni/Cu/Ni | MFFN0.251000NNB150 | 0.25 $\pm 20\%$ | 1000 | 150 | <0.08 | 60~85 (30MHz-1GHz) |
| Mesh | Ni/Cu/Ni | MFFN0.101100NNB150 | 0.10 $\pm 10\%$ | 1100 | 150 | <0.5 | 48~55 (30MHz-1GHz) |
| Woven | Ni/Cu/Ni | MFFN0.201100NNB150 | 0.20 $\pm 10\%$ | 1100 | 150 | <0.08 | 88~102 (40MHz-1GHz) |
| | Ni/Cu/Ni | MFFN0.111100NNB150 | 0.11 $\pm 10\%$ | 1100 | 150 | <0.08 | 88~102 (40MHz-1GHz) |
| | Ni/Cu/Ni/Au | MFFG0.111100NNB150 | 0.11 $\pm 10\%$ | 1100 | 50 | <0.08 | 88~102 (40MHz-1GHz) |
| | Ni/Cu/Ni/Au | MFFG0.051100NNB150 | 0.05 $\pm 10\%$ | 1100 | 150 | <0.08 | 88~102 (40MHz-1GHz) |
| | Ni/Cu/Ni/C | MFFC0.111100NNB150 | 0.11 $\pm 10\%$ | 1100 | 150 | <0.2 | 88~102 (40MHz-1GHz) |

4/ Joints spécifiques découpés ou formés suivant plans

Specific die-cut and formed gaskets to drawings

Caractéristiques – Characteristics



Compelma réalise également des joints EMIShield spécifiques à votre application, dérivés des joints listés dans ce catalogue. Contactez notre service technique afin d'étudier ensemble la faisabilité de votre joint spécifique :

+33(0)1 69 75 21 21 ou info@compelma.com

In addition, Compelma offers EMIShield gaskets specific to your application but similar to the EMIShield gaskets listed in that catalog. Please contact our Technical department for a feasibility status of your specific gasket:

+33(0)1 69 75 21 21 or info@compelma.com

Dimensions

| | | | | | | |
|-----------------|-------|--------|---------|----------|-----------|------------|
| Dimensions (mm) | 0 - 4 | 5 - 12 | 13 - 35 | 36 - 100 | 101 - 350 | 351 - 1000 |
|-----------------|-------|--------|---------|----------|-----------|------------|

Tolérances de découpe

| | | | | | | |
|-----------------------------|----------|----------|----------|----------|----------|----------|
| Die cutting Tolerances (mm) | +/- 0.15 | +/- 0.20 | +/- 0.30 | +/- 0.45 | +/- 0.70 | +/- 1.00 |
|-----------------------------|----------|----------|----------|----------|----------|----------|

Nous nous réservons le droit d'apporter à nos produits toutes modifications que nous jugerions utiles dans un but d'amélioration continue. Les données portées dans nos catalogues sont donc susceptibles de subir de légères variations. Lorsque les dimensions sont critiques dans votre application, n'hésitez pas à nous demander un plan détaillé.

COMPELMA S.A. reserves the right to make any engineering refinements, alterations or continuous improvements deemed necessary on its products. The specifications appearing in this catalogue are thus subject to change without notice. When dimensions are critical, detailed drawings should be requested.

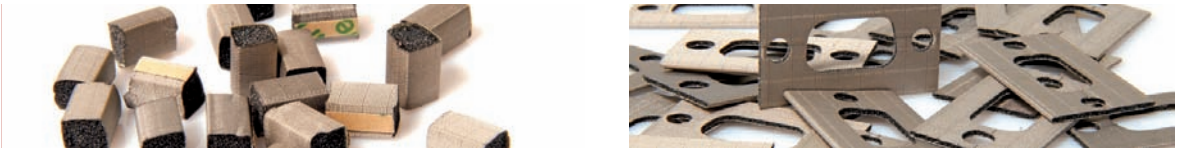
5/ Type de conditionnement – Packaging

ROULEAUX BOBINES ROLLS



Conditionnement standard pour nos feuillets et tissus métallisés - Standard packaging for our foils and conductive fabrics

VRAC BULK



Conditionnement standard pour nos joints Emishield - Standard packaging for our Emishield gaskets

PLANCHES BOARDS



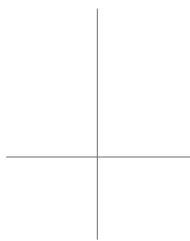
Conditionnement sur demande - Packaging on request

KITS KITS

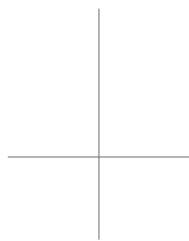


Conditionnement sur demande - Packaging on request

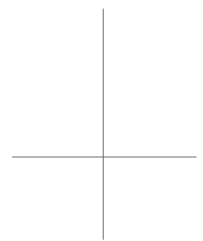
6/ Quelques échantillons – Some Samples



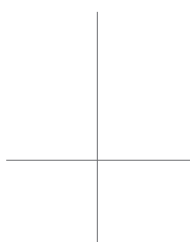
Ripstop Ni/Cu/Ni
sur mousse Poron
over Poron foam



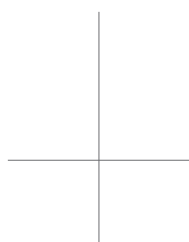
Noven Ni/Cu/Ni
sur mousse Poron
over Poron foam



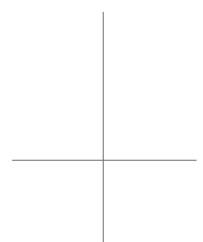
Ripstop Ni/Cu/Ni/Au
sur mousse Poron
over Poron foam



Ripstop Ni/Cu/Ni/C
sur mousse Poron
over Poron foam



Feuillard d'aluminium
sur mousse Poron
Aluminum foil over Poron foam



Feuillard de cuivre
sur mousse Poron
Copper foil over Poron foam

Votre contact - Your contact :



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Tél : 33 (0)1 69 75 21 21 - Fax : 33 (0)1 60 11 40 19

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