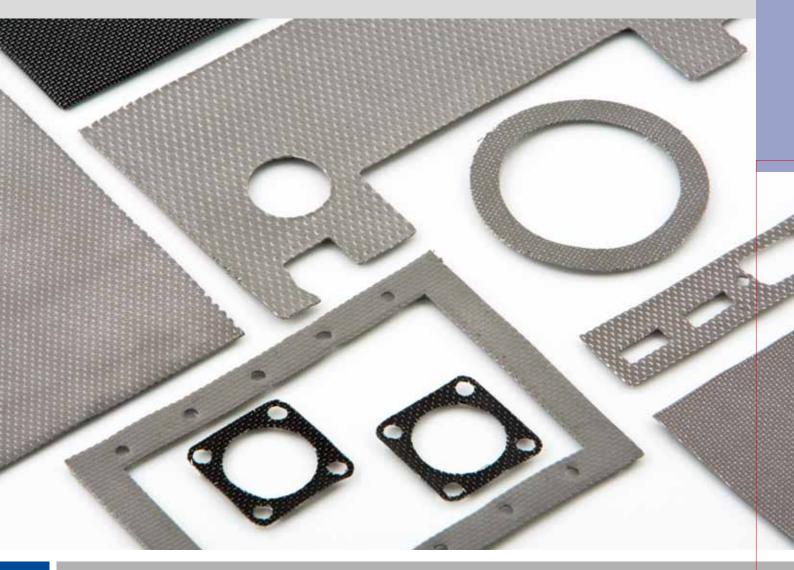
**5**.

# FLAT GASKET.



# **GENERAL INFORMATION**

A composite of metal mesh impregnated with an elastomer to yield a highly conductive, yet resilient Gasketing material for EMI/RFI shielding as well as a pressure and environmental seal. **Euro Technologies** unique fabrication process allows for unmatched consistency in quality and performance.

Available without elastomer filler for use in applications where an environmental seal is not necessary, or for use in applications as a low performance RF air filter.

## **FEATURES AND BENEFITS**

 Designed for those specific applications where joint unevenness does not exceed 0.1mm and/or where space restrictions occur. Conductivity is achieved on contact due to the protruding contact points, which lends to its use in nearly all types flat connectors.

#### **Customizations**







## **SPECIFICATIONS**

Listed below are the most common used mesh and elastomer types.

Code	Metal	Elastomer	Thick (mm)
EMSE-MOA	Expanded Monel	Silicone	0.5
EMSE-AOA	Expanded Aluminium	Silicone	0.5
EMNE-A0A	Expanded Aluminium	Neoprene	0.5
EMNW-A0B	Woven Aluminium	Neoprene	0.4
EMSE-MOB	Expanded Monel	Silicone	0.4

#### **SILICONE**

ZZ-R-765 50 shore

Temperature: - 62  $^{\circ}$ C to 260  $^{\circ}$ C

Color: Grey

#### **ALUMINIUM**

Alloy 5056QQ - A-430 (AMS - 4182)

#### **NEOPRENE**

AMS 3222

Temperature: - 40  $^{\circ}$ C to 100  $^{\circ}$ C

Color: Black

#### **MONEL**

QQ-N-281-B

## **SHIELDING PERFORMANCES**

Frequency	Metal Type	Attenuation (dB)
14 kHz	Monel	40
1 MHz	Monel	50
18 MHz	Monel	100
1 GHz	Monel	90
Frequency	Metal Type	Attenuation (dB)
Frequency 14 kHz	Metal Type  Aluminium	Attenuation (dB)
14 kHz	Aluminium	35



#### **MECHANICAL TOLERANCES**

THICKNESS: ± 0.1 mm



STANDARD ROLL DIMENSION = 305 mm x 15 M

## **ORDERING INFORMATION**

EM S W-M O A

**EM** Product Family

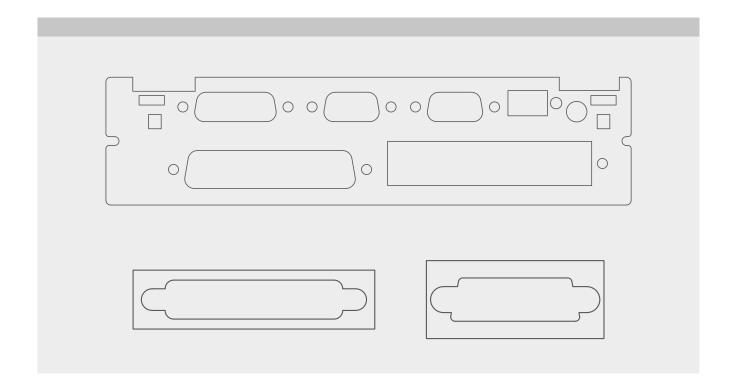
**S** = Silicone / N = Neoprene

**W** = Woven / E = Expanded

M = Monel / A = Aluminium

0 = No Adhesive / 1= Adhesive

A Thick (mm): A = 0.5 / B = 0.4



**CUSTOM DIE CUT SOLUTIONS AVAILABLE**