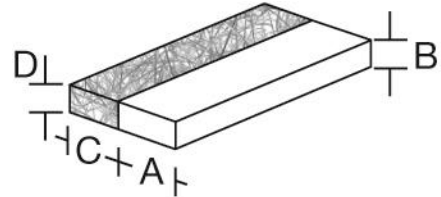


This type of gasket is very suitable where a high level of shielding is required along with an environmental seal. It provides an economic approach to combine RFI/EMI/EMP and environmental sealing.

The so-called combi-gaskets consist of a non-conductive elastomer with PSA backing and a knitted wire gasket that is mounted alongside the edge of the elastomer. The knitted wire can be a solid metal mesh gasket as well as a knitted wire over elastomer gasket.

- Continuous length
- A broad range of sizes available
- Fabricated gaskets to customer's drawings
- Different wire types available
- Large range of materials to suit many RFI/EMI/EMP and climatic conditions
- UL flame retardant approved materials are also available



PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE		TEST METHOD
Metal type	MO, VA, AL, FCS		-
Elastomer core	NE, SF, SG, EP		-
Width range elastomer (A)	9,5 – 15,9 mm		-
Thickness range elastomer (B)	2,4 – 4,8 mm		-
Width range wire (C)	2,4 – 6,4 mm		-
Thickness range wire (D)	2,4 – 6,4 mm		-
Tolerances	2,0 – 10,0 mm	± 0,8 mm	-
	>10,0 mm	± 1,5 mm	-

NOTE | All sizes are that of the elastomer core, allowances must be made for the wire mesh: 1 layer approximately 0,4mm and 2 layers 0,8mm.

MATERIAL PROPERTIES WIRE

Monel Alloy 400 Wire (MO)

- Wire diameter: 0,11 mm
- Specification: AMS 4730

Stainless Steel (VA)

- Wire diameter: 0,11 mm
- Specification: BS EN 10088-3 2005 316 519

Tin Plated Copper Clad Steel (FCS)

- Wire diameter: 0,11 mm
- Specification: ASTM B520, AISI 1010

Aluminum (AL)

- Wire diameter: 0,13 mm
- Specification: BS EN 537 pt 3

MATERIAL PROPERTIES ELASTOMER

Solid Silicone Rubber (SF)

- Generally meets ZZ-R-765
- Temperature range: -40°C to +200°C

Foamed Neoprene Rubber (NE)

- Specification: ASTM D1056 (84) SCE 42
- Temperature range: -30°C to +100°C

Foamed Silicone Rubber (SG)

- Specification: AMS 3195
- Temperature range: -40°C to +200°C

Foamed EPDM (EP)

- Temperature range: -40°C to +140°C

SHIELDING PERFORMANCE

H-Field

	MO	FCS	VA	AL
0,01 MHz	28 dB	47 dB	35 dB	36 dB
0,1 MHz	45 dB	67 dB	43 dB	47 dB
1,0 MHz	64 dB	88 dB	50 dB	64 dB
10,0 MHz	>104 dB	>104 dB	-	>104 dB

E-Field

	MO	FCS	VA	AL
0,01 MHz	>118 dB	>118 dB	119 dB	>118 dB
0,1 MHz	>136 dB	>136 dB	102 dB	>136 dB
1,0 MHz	>123 dB	>126 dB	-	>120 dB
10,0 MHz	99 dB	109 dB	-	91 dB

P-Field

	MO	FCS	VA	AL
400 MHz	96 dB	98 dB	85 dB	86 dB
1.000 MHz	84 dB	77 dB	62 dB	72 dB
10.000 MHz	46 dB	43 dB	36 dB	34 dB

BUILDING AN ITEM NUMBER

KO-WxT-XX-WxT-YY

Combination Gasket

xx	Width (mm)
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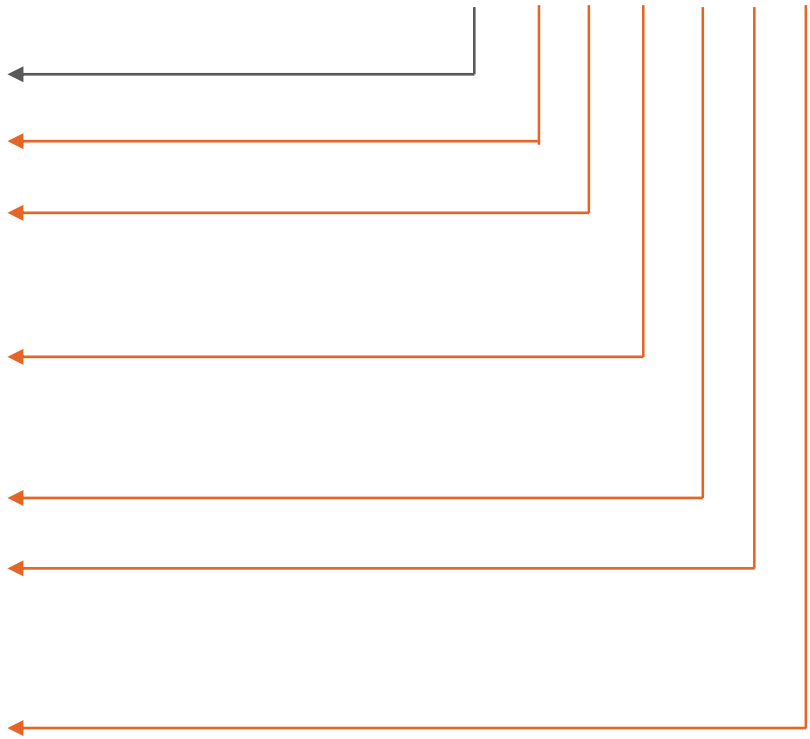
xx	Thickness (mm)
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NE	Foamed neoprene
SF	Solid silicone
SG	Foamed silicone
EP	Foamed EPDM

xx	Width (mm)
----	------------

xx	Thickness (mm)
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MO	Monel
VA	Stainless steel
AL	Aluminium
FCS	Tin plated copper clad steel



Standard options

EXAMPLE | **KO-4,8x3,2-NE-3,2x2,4-AL**
 Combination gasket; Width elastomer: 4,8 mm; thickness elastomer: 3,2 mm; elastomer core: foamed neoprene; width wire mesh: 3,2 mm; thickness wire mesh: 2,4 mm; metal type: aluminium