

Knitted wire meshes are produced from a single continuous filament and produce very high levels of EMI shielding performance when evenly compressed between two metallic contact surfaces.

Our KP Series meshes are available in four basic wire types – Monel, Aluminium, TCS (Tinned Copper-clad Steel) and Stainless Steel. Each has its own specific characteristics but TCS is generally regarded as the most suitable for EMP shielding.

Applications:

Because knitted wire meshes are not as resilient as elastomer cored meshes (see KE series), and so will eventually take a compression-set, they are generally used where the panel mating surfaces are permanent or fixed.

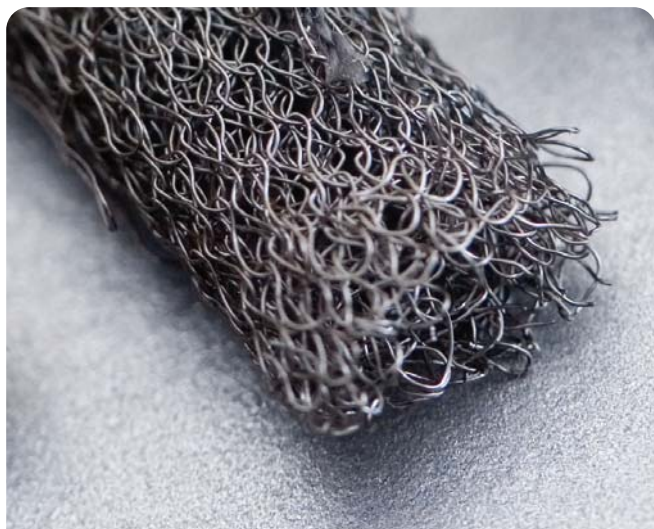
KP meshes provide only limited environmental sealing so are normally used for applications that are not exposed to the elements unless they are protected by a further external elastomeric seal (see KC Series). They do, however, have a long service life and a high temperature tolerance.

For optimum effectiveness knitted mesh gaskets should be compressed by 20 – 25% of their relaxed height. If surface irregularities prevent this an elastomer cored mesh (KE Series) would be more suitable.

Gaskets can either be retained in a groove or channel or fixed with adhesive (the wire contact points can penetrate a thin film), welding or soldering. To facilitate clamping or riveting, ‘round-with-tail’ and ‘double-round-with-tail’ sections are available.

Specifications:

Monel	- BS3075 – NA13	(0.11mm diameter)
Aluminium 5056	- AMS 4182	(0.13mm diameter)
TCS	- ASTM B520	(0.11mm diameter)
Stainless Steel	- Alloy 304	(0.13mm diameter)



Performance:

Frequency	Field	Monel	Aluminium	TCS	S/Steel
10KHz	H	45	40	60	40
100KHz	H	49	45	65	44
1MHz	H	60	60	85	58
1MHz	E	125	125	125	125
10MHz	E	120	120	120	120
100MHz	E	100	100	108	100
400MHz	P	98	95	99	94
1GHz	P	85	76	78	76
10GHz	P	80	65	62	60

Tolerances:

General - ± 0.8mm on all dimensions

How to Order:

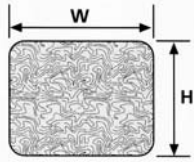
Standard sizes can be specified from the tables opposite.

Alternatively, specify:
Series-Wire Code-Style-Size/Dimensions

Series	Wire Code	Style	Size
KP	M=Monel	10=Round	xxxx-xxxx
	A=Aluminium	20=Rectangular	
	T=TCS	30=Round with tail	
	S=Stainless Steel	40= Double round with tail	

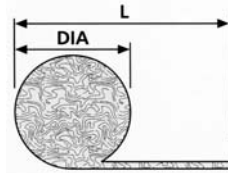
Examples:

KP-M-10-0024 is Monel wire 2.4 mm diameter round
 KP-A-20-0095-0127 is Aluminium wire 9.5 x 12.7 mm rectangular



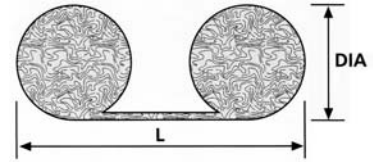
Rectangular

Height x Width	Part Number
1.57 x 1.57	20-0016-0016
1.57 x 3.18	20-0016-0032
1.57 x 4.75	20-0016-0048
1.57 x 6.35	20-0016-0064
1.57 x 7.92	20-0016-0080
1.57 x 9.53	20-0016-0095
1.57 x 12.7	20-0016-0127
1.57 x 15.9	20-0016-0159
1.57 x 19.1	20-0016-0191
1.57 x 25.4	20-0016-0254
2.36 x 2.36	20-0024-0024
2.36 x 3.12	20-0024-0032
2.36 x 4.75	20-0024-0048
2.36 x 6.35	20-0024-0064
2.36 x 7.92	20-0024-0080
2.36 x 9.53	20-0024-0095
2.36 x 12.7	20-0024-0127
2.36 x 15.9	20-0024-0159
3.18 x 3.18	20-0032-0032
3.18 x 3.96	20-0032-0040
3.18 x 4.75	20-0032-0048
3.18 x 6.35	20-0032-0064
3.18 x 7.92	20-0032-0080
3.18 x 9.53	20-0032-0095
3.18 x 12.7	20-0032-0127
3.18 x 15.9	20-0032-0159
3.18 x 19.1	20-0032-0191
3.18 x 25.4	20-0032-0254
4.75 x 4.75	20-0048-0048
4.75 x 6.35	20-0048-0064
4.75 x 7.92	20-0048-0080
4.75 x 9.53	20-0048-0095
4.75 x 12.7	20-0048-0127
4.75 x 15.9	20-0048-0159
4.75 x 19.1	20-0048-0191
4.75 x 25.4	20-0048-0254
6.35 x 6.35	20-0064-0064
6.35 x 9.53	20-0064-0095
6.35 x 12.7	20-0064-0127
6.35 x 15.9	20-0064-0159
6.35 x 19.1	20-0064-0191
6.35 x 25.4	20-0064-0254
7.92 x 7.92	20-0080-0080
9.53 x 9.53	20-0095-0095
9.53 x 15.9	20-0095-0159



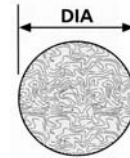
Round With Tail

Dia x Length	Part Number
1.57 x 9.53	30-0016-0095
1.57 x 12.7	30-0016-0127
1.57 x 15.9	30-0016-0159
2.36 x 12.7	30-0024-0127
2.36 x 15.9	30-0024-0159
3.18 x 12.7	30-0032-0127
3.18 x 15.9	30-0032-0159
3.18 x 19.1	30-0032-0191
3.96 x 12.7	30-0040-0127
3.96 x 19.1	30-0040-0191
4.75 x 15.9	30-0048-0159
4.75 x 19.1	30-0048-0191
4.75 x 25.4	30-0048-0254
6.35 x 15.9	30-0064-0159
6.35 x 19.1	30-0064-0191
6.35 x 25.4	30-0064-0254
7.92 x 15.9	30-0080-0159
7.92 x 19.1	30-0080-0191
7.92 x 25.4	30-0080-0254
9.53 x 15.9	30-0095-0159
9.53 x 19.1	30-0095-0191
9.53 x 25.4	30-0095-0254
11.1 x 19.1	30-0111-0191
11.1 x 25.4	30-0111-0254
12.7 x 19.1	30-0127-0191
12.7 x 25.4	30-0127-0254



Twin Round With Tail

Dia x Length	Part Number
1.57 x 9.53	40-0016-0095
1.57 x 12.7	40-0016-0127
1.57 x 15.9	40-0016-0159
2.36 x 12.7	40-0024-0127
3.18 x 9.53	40-0032-0095
3.18 x 12.7	40-0032-0127
3.18 x 15.9	40-0032-0159
4.75 x 15.9	40-0048-0159
4.75 x 19.1	40-0048-0191
4.75 x 25.4	40-0048-0254
6.35 x 15.9	40-0064-0159
6.35 x 19.1	40-0064-0191
6.35 x 25.4	40-0064-0254
9.53 x 25.4	40-0095-0254



Round Section

Diameter	Part Number
1.57	10-0016
2.36	10-0024
3.18	10-0032
3.96	10-0040
4.75	10-0048
6.35	10-0064
7.92	10-0080
9.53	10-0095
11.1	10-0111
12.7	10-0127

Please note:

- Knitted meshes are available in continuous lengths, cut pieces or as fabricated gaskets
- Compressed mesh gasket forms, o-rings and gland seals can be produced to customers specifications
- Other sizes are available – please ask!

For details of fixing methods or any technical queries please contact our sales office on 01376 550525 or email info@p-p-t.co.uk

Our KE Series elastomer-cored knitted wire meshes consist of two layers of knitted wire over a low-closing-force rubber or elastomer core and offer almost the same shielding effectiveness of all-mesh types.

In some cases a single mesh layer will be sufficient but in extreme cases, such as EMP, up to seven layers of TCS will be used. Cored knitted mesh is sometimes combined with an environmental seal to provide IP ratings of 65 or above, depending on the materials used and the suitability of the mating surfaces (see KC Series).

The core materials are usually sponges (neoprene, silicone, EPDM or PU) although for many applications a silicone or neoprene tube can be specified.

Applications:

In comparison with 'solid' mesh types, elastomer-cored knitted wire meshes have a high degree of recovery so they are more suitable for use on doors and covers that are regularly opened and closed. The closing pressure is much lower and a good EMI shield is formed even where there are minor surface irregularities. KE gaskets will also provide limited environmental sealing, particularly against dust. Where there are hazardous conditions fluoro-silicone or other special formulations can be specified to meet your requirements.

Elastomer-cored knitted wire mesh gaskets can either be retained in a groove or channel or fixed with adhesive (the wire contact points can penetrate a thin film). To facilitate clamping or riveting, 'round-with-tail' and 'double-round-with-tail' sections are available.

How to Order:

Standard sizes can be specified from the tables opposite. Alternatively, specify: Group-Wire Code-Elastomer-Style-Size/Dimensions

Series	Wire Code	Elastomer	Style	Size
KE	M=Monel	SS=Silicone Sponge	60=Round	xxxx-xxxx
	A=Aluminium	ST=Silicone Tube	70=Rectangular	
	T=TCS	NS=Neoprene Sponge	80=Round with tail	
	S=Stainless Steel	NT=Neoprene Tube	90=Double round with tail	
		SX=Solid Silicone		
		NX=Solid Neoprene		
		PU=Polyurethane Foam		

Notes:

Suffix #1= number of layers. E.g. (1) indicates one layer, default is 2 layers

S/A = Self adhesive

N/A = No adhesive. Adhesive cannot be used on more than one layer

Many KE Series cross-sections are available with a pressure sensitive adhesive backing applied across part of one face for easy fitting.

Alternative fixing methods use tandem or 'Twinstrip' environmental seals (see KC Series) or round-with-tail mesh pre-fitted into aluminium mounting frames (see KM Series), which can be pre-drilled for easy fitting.

Specifications:

Monel	- BS3075 – NA13	(0.11mm diameter)
Aluminium 5056	- AMS 4182	(0.13mm diameter)
TCS	- ASTM B520	(0.11mm diameter)
Stainless Steel	- Alloy 304	(0.13mm diameter)
Silicone Sponge	- AMS 3195	
Silicone Solid/Tube	- ZZ-R-765	
Neoprene Solid/Tube	- Mil-R-6855	

Performance:

Frequency	Field	Monel	Aluminium	TCS	S/Steel
10KHz	H	45	40	60	40
100KHz	H	49	45	65	44
1MHz	H	60	60	85	58
1MHz	E	125	125	125	125
10MHz	E	120	120	120	120
100MHz	E	100	100	108	100
400MHz	P	98	95	99	94
1GHz	P	85	76	78	76
10GHz	P	80	65	62	60

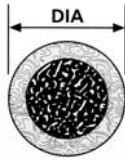
Tolerances:

General - $\pm 0.8\text{mm}$ on all dimensions

Examples:

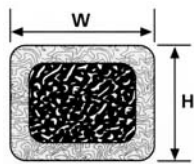
KE-MST-60-0024 is 2.4 mm diameter round 2 x Monel layer over silicone tube

KE-ANS-70-0032-0095-(1) S/A is 3.2 x 9.5 mm rectangular neoprene sponge with 1 x Aluminium mesh layers and PSA backing



ROUND SECTION

Outside Dia x Inside Dia	Part Number
1.57 x -----	60-0016
2.36 x -----	60-0024
3.18 x 1.57	60-0032-0016
4.75 x 3.18	60-0048-0032
6.35 x 3.18	60-0064-0032
7.92 x 4.75	60-0080-0048
9.53 x 6.35	60-0095-0064
11.1 x 7.92	60-0111-0080
12.7 x 9.53	60-0127-0095
14.9 x 11.1	60-0149-0111
19.1 x -----	60-0191
25.4 x -----	60-0254



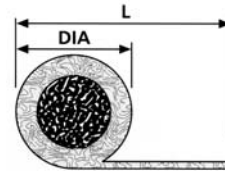
RECTANGULAR

Height x Width	Part Number
2.36 x 3.18	70-0024-0032
2.36 x 4.78	70-0024-0048
2.36 x 6.35	70-0024-0064
3.18 x 3.18	70-0032-0032
3.18 x 4.78	70-0032-0048
3.18 x 6.35	70-0032-0064
3.18 x 9.53	70-0032-0095
3.18 x 12.7	70-0032-0127
4.78 x 4.78	70-0048-0048
4.78 x 6.35	70-0048-0064
4.78 x 9.53	70-0048-0095
6.35 x 6.35	70-0064-0064
6.35 x 9.53	70-0064-0095
6.35 x 12.7	70-0064-0127

Please note:

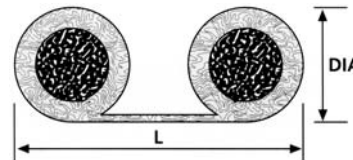
- The dimensions quoted are those of the elastomer core, allowance should be made for the mesh thickness (approx. 0.4mm for 2 layers)
- Knitted meshes are available in continuous lengths, cut pieces or as fabricated gaskets
- Compressed mesh gasket forms, o-rings and gland seals can be produced to customers specifications
- Other sizes are available – please ask!

For details of fixing methods or any technical queries please contact our sales office on 01376 550525 or email info@p-p-t.co.uk



ROUND WITH TAIL

Dia x Length	Part Number
1.57 x 12.7	80-0016-0127
1.57 x 15.9	80-0016-0159
1.57 x 19.1	80-0016-0191
2.36 x 12.7	80-0024-0127
2.36 x 19.1	80-0024-0191
3.18 x 12.7	80-0032-0016-0127
3.18 x 15.9	80-0032-0016-0159
3.18 x 19.1	80-0032-0016-0191
3.96 x 12.7	80-0040-0020-0127
3.96 x 19.1	80-0040-0020-0191
4.75 x 12.7	80-0048-0032-0127
4.75 x 15.9	80-0048-0032-0159
4.75 x 19.1	80-0048-0032-0191
4.75 x 25.4	80-0048-0032-0254
6.35 x 12.7	80-0064-0048-0127
6.35 x 15.9	80-0064-0048-0159
6.35 x 19.1	80-0064-0048-0191
6.35 x 25.4	80-0064-0048-0254
9.53 x 19.1	80-0095-0064-0191
9.53 x 25.4	80-0095-0064-0254



TWIN ROUND WITH TAIL

Dia x Length	Part Number
3.18 x 9.53	90-0032-0016-0095
3.18 x 12.7	90-0032-0016-0127
3.18 x 15.9	90-0032-0016-0159
4.75 x 15.9	90-0048-0032-0159
4.75 x 19.1	90-0048-0032-0191
4.75 x 25.4	90-0048-0032-0254
6.35 x 15.9	90-0064-0032-0159
6.35 x 19.1	90-0064-0032-0191
6.35 x 25.4	90-0064-0032-0254
9.53 x 25.4	90-0095-0064-0254



Twinstrip is a combination of knitted or cored mesh gasket with a non-conductive environmental seal. The wire mesh types used are Monel, Aluminium, TCS and Stainless Steel and the permutations of wire and elastomer combinations are almost endless providing a wide range of environmental, water, dust and pressure seals.

KC materials can be supplied as gaskets, in strip form or as pre-cut kits, ready bagged and labelled to suit specific enclosures. Limit stops and collars can be fitted to prevent over-compression or the distortion of mating surfaces.

Applications:

Twinstrips are used on enclosure doors and covers where an environmental or high IP rated seal is needed in addition to an EMI gasket. The materials provide the shielding levels of knitted mesh combined with the environmental protection of sponge, tubular or solid rubbers. For hazardous situations, such as the presence of hydrocarbon contamination, Fluorosilicone or other chemical resistant elastomers can be used.

Most Twinstrips have a pressure sensitive adhesive backing with release tape, enabling the gaskets to be quickly and easily fixed in position. The adhesive also helps unmounted gaskets to retain their shape during production and storage and allows the gaskets to be mounted onto any flat surface without the need for a groove or channel to hold it in place.

How to Order:

Standard sizes can be specified from the table below. Alternatively, specify: Series-Mesh portion - Elastomer-Style-Size/Dimensions

Series	Mesh portion	Elastomer	Size/Dimension of rubber
KC	As KP/KE Series	SS=Silicone Sponge NS=Neoprene Sponge NX=Neoprene Solid SX=Silicone Solid ES=EPDM Sponge	xxxx-xxxx

Notes:
 Suffix #1 (after mesh portion) = number of layers of mesh, E.g. (1) indicates one layer, default is 2 layers
 S/A = Self adhesive (default is S/A)
 N/A= No adhesive.

For many applications, particularly where the gasket is fitted inside a rack or enclosure, pre-cut and mitred adhesive backed lengths of Twinstrip can be supplied to your specification, offering a fast and effective solution with considerable cost, packaging and space savings.

Specifications:

Monel	- BS3075 – NA13	(0.11mm diameter)
Aluminium 5056	- AMS 4182	(0.13mm diameter)
TCS	- ASTM B520	(0.11mm diameter)
Stainless Steel	- Alloy 304	(0.13mm diameter)
Silicone Sponge	- AMS 3195	
Silicone Solid	- ZZ-R-765	
Neoprene Sponge	- Mil-R-6130	
Neoprene Solid	- Mil-R-6855	

Performance:

Frequency	Field	Monel	Aluminium	TCS	S/Steel
10KHz	H	45	40	60	40
100KHz	H	49	45	65	44
1MHz	H	60	60	85	58
1MHz	E	125	125	125	125
10MHz	E	120	120	120	120
100MHz	E	100	100	108	100
400MHz	P	98	95	99	94
1GHz	P	85	76	78	76
10GHz	P	80	65	62	60

Tolerances:

Wire meshes - generally $\pm 0.8\text{mm}$ on diameter, width and height

Linear measurements on gaskets - up to 300mm $\pm 0.8\text{mm}$, up to 1000mm $\pm 1.5\text{mm}$

Sponge and solid elastomers - up to 4.5mm $\pm 0.4\text{mm}$, over 4.5mm $\pm 0.8\text{mm}$

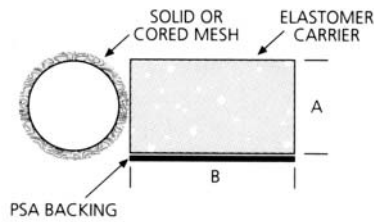
Example:
 KC-MST-60-0032(1)-NS-0032-0127-S/A = Monel mesh (1 layer) over 3.2 diameter Silicone tube bonded to Neoprene sponge 3.2 x 12.7 mm rectangular section (self adhesive)

For gaskets or strip material not shown, please send a drawing or specification and we will allocate a part number with our quotation.

Twinstrip Configurations

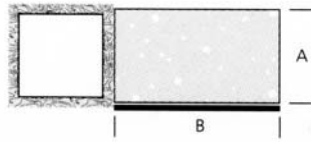
Standard

Round mesh or
Cored mesh and
Carrier with PSA



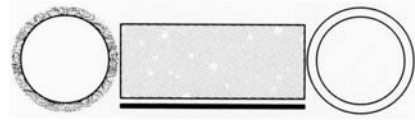
Standard

Square mesh or
Cored mesh and
Carrier with PSA



Double*

Two mesh sections
or mesh and plain
rubber / tube and
Carrier with PSA



Soft 'P'-Seal*

Soft 'P' section S/A
EPDM sponge with
tube core mesh section



* According to customers specifications or drawings.

Base Part Numbers for Standard Sizes of Rubber Carrier

A x B	Part Number
1.6 x 3.2	0016-0032
1.6 x 9.5	0016-0095
1.6 x 12.7	0016-0127
1.6 x 15.9	0016-0159
2.4 x 9.5	0024-0095
2.4 x 12.7	0024-0127
2.4 x 19.1	0024-0191
3.2 x 4.8	0032-0048
3.2 x 6.4	0032-0064
3.2 x 9.5	0032-0095
3.2 x 12.7	0032-0127
3.2 x 15.9	0032-0159
3.2 x 19.1	0032-0191
4.8 x 4.8	0048-0048
4.8 x 6.4	0048-0064
4.8 x 9.5	0048-0095

Base Part Numbers for Standard Sizes of Rubber Carrier

A x B	Part Number
4.8 x 12.7	0048-0127
4.8 x 15.9	0048-0159
4.8 x 19.1	0048-0191
6.4 x 6.4	0064-0064
6.4 x 9.5	0064-0095
6.4 x 12.7	0064-0127
6.4 x 15.9	0064-0159
6.4 x 19.1	0064-0191
9.5 x 6.4	0095-0064
9.5 x 9.5	0095-0095
9.5 x 12.7	0095-0127
9.5 x 19.1	0095-0191
9.5 x 25.4	0095-0254

'Continuous' lengths are 10 metres and rolled unless otherwise specified



Please note:

- Rubber gaskets change shape marginally after cutting as the rubber recovers. This should be taken into account when inspecting pre-cut gasket forms
- Twinstrip can be supplied as strip material, pre-formed gasket sections or as finished gaskets
- Other sizes and profiles are available – please ask!

For any technical queries please contact our sales office on 01376 550525 or email info@p-p-t.co.uk

KM Series gasket strip and frame materials consist of a slotted aluminium extrusion carrier into which a solid or elastomer cored knitted mesh gasket is clamped. These ready-to-fit, semi-rigid gasketing profiles help to avoid the problems often encountered when fitting adhesive-backed or plain mesh gaskets.

They can be supplied with dual gaskets, one on either side of the carrier, with one being a mesh gasket and the other an environmental seal. The aluminium extrusion acts as a limit stop, controlling the even compression of the gasket.

Applications:

KM Series gaskets can be used on covers, door frames and other apertures where the surrounding metalwork is either insufficiently rigid or is very heavy duty and needs a robust, well anchored gasket which will not be affected by the stresses and shearing action imposed on conventional twinstrip gasketing.

KM mesh is generally supplied as straight lengths (up to 3m), as welded/jointed frames to suit specific apertures or as mitre cut sections ready to mount around cabinets, doors or hatches. The aluminum carrier is usually drilled and countersunk ready for screws or rivets or, in less stringent conditions, frames can be fixed using a high-bond pressure sensitive adhesive. Welding is possible but not recommended as damage to the mesh or elastomer is very difficult to repair.

How to Order:

Standard sizes can be specified from the table below.

Alternatively specify: Series-Carrier-Mesh portion-Elastomer portion (where applicable)-Elastomer Size

Series	Carrier	Mesh portion	Elastomer	Size/Dimension of rubber
KM	CS1	As KP/KE series	SS=Silicone Sponge	xxxx-xxxx
	CS2		NS=Neoprene Sponge	
	CS3		NT=Neoprene Tube*	
	CS4		ST=Silicone Tube*	
	CS6		*=with 'leg' for twin slot carriers.	

Notes:

If second gasket/seal on CS6 is not specified, it defaults to being the same as the first material.

If a suffix in brackets is shown after the mesh part number this indicates the number of mesh layers. The default is two (2) layers and does not need to be specified.

Specifications:

Monel	- BS3075 – NA13	(0.11mm diameter)
Aluminium 5056	- AMS 4182	(0.13mm diameter)
TCS	- ASTM B520	(0.11mm diameter)
Stainless Steel	- Alloy 304	(0.13mm diameter)
Silicone Sponge	- AMS 3195	
Silicone Solid	- ZZ-R-765	
Neoprene Sponge	- Mil-R-6130	
Neoprene Solid	- Mil-R-6855	
Aluminium carrier	- BS1474 6063 with Alocrom 1000, 1200	or a RoHS compliant chromate conversion surface treatment

Performance:

Frequency	Field	Monel	Aluminium	TCS	S/Steel
10KHz	H	45	40	60	40
100KHz	H	49	45	65	44
1MHz	H	60	60	85	58
1MHz	E	125	125	125	125
10MHz	E	120	120	120	120
100MHz	E	100	100	108	100
400MHz	P	98	95	99	94
1GHz	P	85	76	78	76
10GHz	P	80	65	62	60

Tolerances:

Wire meshes - generally $\pm 0.8\text{mm}$ on diameter, width and height

Linear measurements on gaskets - up to 300mm $\pm 0.8\text{mm}$, up to 1000mm $\pm 1.5\text{mm}$

Sponge and solid elastomers - up to 4.5mm $\pm 0.4\text{mm}$, over 4.5mm $\pm 0.8\text{mm}$

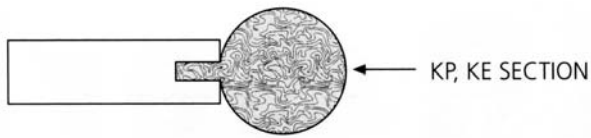
Examples:

KM-CS6-M-10-0064-ST-0064-0048 indicates a base material comprising carrier section CS6 with 6.4 mm diameter Monel mesh fixed to one side and a silicone rubber tube 6.4 mm o.d. and 4.8mm i.d. on the opposing side.

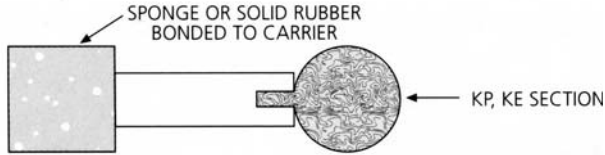
KM-CS1-ASS-60-0048 indicates a base carrier section CS1 with an aluminium mesh covered Silicone sponge gasket 4.8 mm diameter on one side only.

For gaskets or strip material not shown, or specific shapes, made up frames and fixing hole positions, please send a drawing and we will allocate a part number with our quotation.

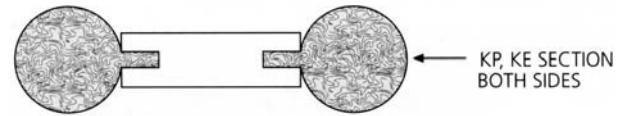
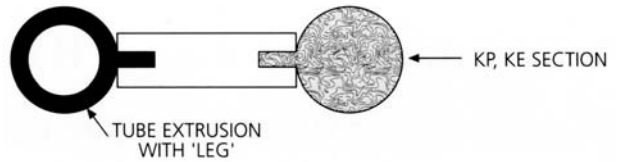
Single Slot Style



With Environmental Seal



Twin Slot Styles



SERIES KM CARRIER SIZES

Shape	Thickness mm	Width mm	Slots
CS1	3.2	9.5	1
CS2	3.2	12.7	1
CS3	3.2	15.9	1

SERIES KM CARRIER SIZES Cont

Shape	Thickness mm	Width mm	Slots
CS4	3.2	19.1	1
CS6	3.2	12.7	2



Please note:

- Avoid mounting any 'dual' or 'twin' gasket material where two materials are bonded together in a position where the normal process of closing a door or cover exerts a stress or shearing action which creates pressure on the joint between the two materials. If possible, the pressure exerted on any gasket should be directly downwards onto the exposed face of the gasket.
- KM Series gasket forms can be supplied as strip material, pre-formed gasket sections or as ready-to-mount finished gaskets.
- Other sizes and profiles are available – please ask!

For any technical queries please contact our sales office on 01376 550525 or email info@p-p-t.co.uk

KW Series knitted mesh bandage is a tubular form knitted stocking supplied in flat tape form. They are available in four basic wire types – Monel, Aluminium, TCS (Tinned Copper-clad Steel) and Stainless Steel.

Applications:

KW tapes are generally used to wrap cableforms, wiring systems or conduit to provide a high integrity 4-layer screen, which, if adequately grounded, can greatly reduce radiated interference.

The tape is a nominal 0.4mm thick and should be spirally overlapped by 50% to provide full screening effectiveness. Each end should be soldered or clamped, avoiding twisting into a ‘pigtail’ which could effectively become an antenna.

Specifications:

Monel	- BS3075 – NA13	(0.11mm diameter)
Aluminium 5056	- AMS 4182	(0.13mm diameter)
TCS	- ASTM B520	(0.11mm diameter)
Stainless Steel	- Alloy 304	(0.13mm diameter)

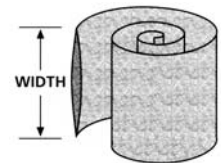


Performance:

Frequency	Field	Monel	Aluminium	TCS	S/Steel
10KHz	H	45	40	60	40
100KHz	H	49	45	65	44
1MHz	H	60	60	85	58
1MHz	E	125	125	125	125
10MHz	E	120	120	120	120
100MHz	E	100	100	108	100
400MHz	P	98	95	99	94
1GHz	P	85	76	78	76
10GHz	P	80	65	62	60

Tolerances:

± 2mm on width



How to Order:

Standard sizes can be specified from the table below.

Series	Wire Code	Style	Size
KW	M=Monel	55 (flat tape)	0127 (12.7 mm)
	A=Aluminium		0254 (25.4 mm)
	T=TCS		0508 (50.8 mm)
	S=Stainless Steel		

Example: KW-A-55-0127 is Aluminium mesh tape 12.7 mm wide.

KR Series compressed mesh washers, gaskets and seals utilise knitted mesh formed under pressure into resilient high density profiles.

Applications:

KR compressed mesh profiles are used as gland rings, grounding buttons, EMP gaskets, magnetron seals and numerous other applications where a high density mesh is required.

Each application will be individual and related to the specific and mechanical properties of the gasket so please contact us to discuss your requirements.

Specifications:

Monel	- BS3075 – NA13	(0.11mm diameter)
Aluminium 5056	- AMS 4182	(0.13mm diameter)
TCS	- ASTM B520	(0.11mm diameter)
Stainless Steel	- Alloy 304	(0.13mm diameter)



Performance:

Frequency	Field	Monel	Aluminium	TCS	S/Steel
10KHz	H	45	40	60	40
100KHz	H	49	45	65	44
1MHz	H	60	60	85	58
1MHz	E	125	125	125	125
10MHz	E	120	120	120	120
100MHz	E	100	100	108	100
400MHz	P	98	95	99	94
1GHz	P	85	76	78	76
10GHz	P	80	65	62	60

Tolerances:

± 0.5mm

How to Order:

Specify series KR, wire type and describe your component by its outside and inside diameters plus thickness (if an 'o' ring) or by means of a drawing if a formed gasket or profile section.

Series	Wire Code	Style	Size	(or)	Drawing Number
KR	M=Monel A=Aluminium T=TCS S=Stainless Steel	50 (ring)	xxxx-xxxx	(or)	xxxx-xxxx

Examples:

KR-S-50-0254-0159-0032 is a Stainless Steel washer 25.4 x 15.9 x 3.2mm
 KR-M-99-Drg: AZ1234 is a gasket form in Monel to Drg: AZ1234

For further details on how to specify, please contact us on 01376 550525 or email info@p-p-t.co.uk