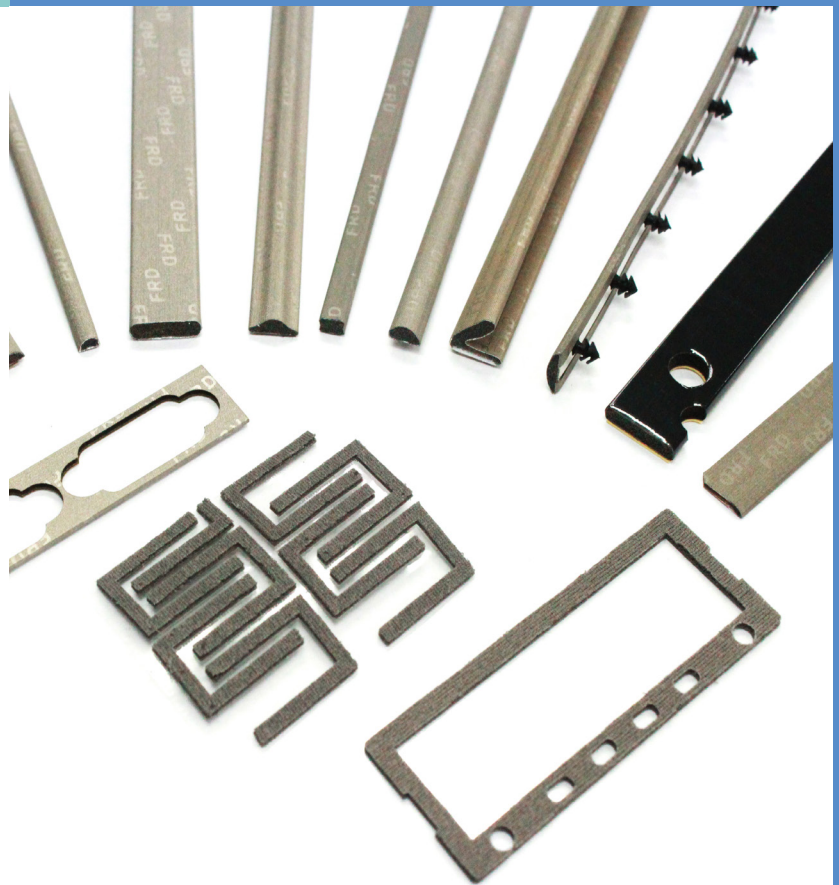

Fabric-over-Foam(FoF)

FRD now has been conducting R&D, design and manufacturing conductive fabric projects. A number of the relevant technologies are in a leading position in the domestic industry. For example, the product of Halogen-Free Flame-Retardant Fabric-Over-Foam launched in 2009 filled the domestic to the product gaps. FRD now has 24 full-automatic high-speed production lines, monthly production capacity of more than 7 million meters. Its customers include in different areas, such as consuming electronics, telecommunications, automotive, medical, military, and many other categories.

FoF gasket is the conductive fiber cloth which is electrically conductive and corrosion resistant, lined with PU foam of low compression force. It has a good shielding effectiveness. Conductive fabric is the polyester fiber covered with copper and nickel metal. The combination of copper and nickel provide excellent conductivity and shielding effectiveness. FoF gasket provides excellent shielding effectiveness in the range of 30MHz to 40GHz.

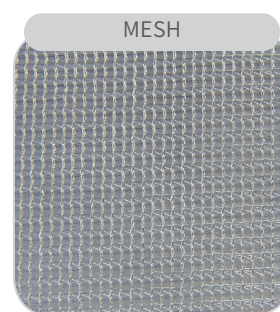
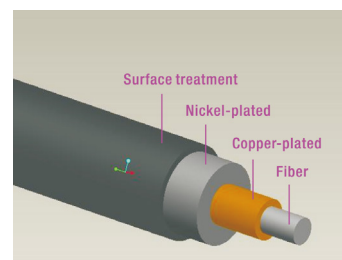
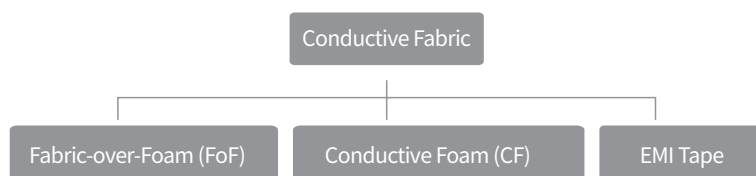
Our latest product, conductive PI gasket, has been widely used in 5G mobile phones, tablets, laptops and other high-end electronic products.

FoF gasket is particularly applicable to the low compression force environments. It is a cost effective product that can apply consuming electronics, telecommunications, automotive, medical, military, ect..





Conductive Fabric Project Classify & FoF Raw Materials



Our Advantage

- Reserves experienced FOF design engineers who can provide the optimal shielding solutions based on the customers' requirements;
- Strong R&D capability, halogen free FOF gasket can meet UL94-V0 flame retardant;
- Quick response: Sampling within 24hours,
- Output capacity: 7 million meter/month



Catalytic

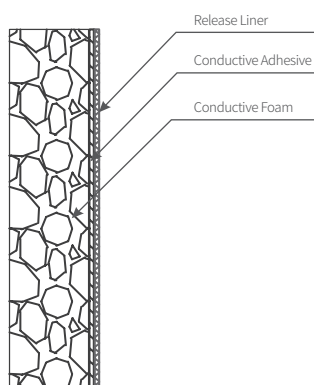
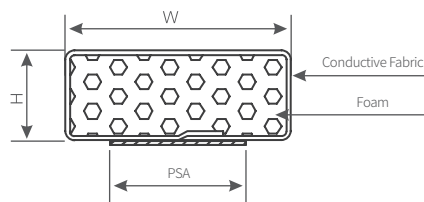


Plating



Auto wrapping lines

Conductive Fabric Over Foam (FOF)



Fabric-Over-Foam (FoF)

FoF gasket is for the substrate with a conductive fabric, elastic properties and has a certain function of anti-electromagnetic interference electronic equipment used to prevent the electromagnetic waves through the components.

In order to give client-side design engineers to provide more useful information, we are here to talk about the product features FoF gasket, type, material, product standard sizes and configurations. If these elements can not meet your needs, please contact our engineers, we will be based on your needs to design and manufacture of products.

Conductive Foam(CF)

The CF is a type of brand new shielding material, it is an X-Y-Z-axis conductive material, of which the shielding effectiveness is greater than traditional FOF gaskets. It can meet the increasing demands of shielding effectiveness. CF is suitable for I/O port.

The CF is composed of 4 layers with the first layer of polyester fiber, the second layer of PU foam, the third layer of polyester fiber, the fourth layer of conductive adhesive.

The Advantages of FOF

- Good conductivity, high shielding effectiveness ($\geq 80\text{dB}$ 30MHz~18GHz) (Figure 1)
- A good antioxidant, anti-corrosion
- Very good wear resistance, high reliability (≥ 100 million times)
- Very soft, suitable for the occasion can not provide greater pressure
- Low price, it is very good shielding material
- Installation is simple and diverse, suitable for paste, slot
- Products adhere ROHS, Halogen Free, REACH, UL94-V0 requirements in general.

Fabric-Over-Foam (FoF) is an excellent cost-effective EMI shielding materials.

Fabric / Foam / Pressure Sensitive Adhesive

1. Fabric

Fabric types	Mental Coating	Conductivity (ASTM F390)	Application	Benefits
Ripstop	Ni/Cu	≤ 0.05 Ohms/inch ²	I/O or Profile Gaskets	Complex shapes, flame retardant, shear resistance
Taffeta	Ni/Cu	≤ 0.05 Ohms/inch ²	I/O or Profile Gaskets	Complex shapes, flame retardant
Knit Mesh	Ni/Cu	≤ 0.05 Ohms/inch ²	I/O Gaskets	Low cost, flame retardant
Non-Woven	Ni/Cu	≤ 0.05 Ohms/inch ²	I/O Gaskets	Low cost, flame retardant

2. Foam

Foam Types	Compression Set (ASTM D3574)	Color	Application	Benefits
PU Foam	$\leq 20\%$	Charcoal	I/O or Profile Gaskets	Complex shapes, flame retardant, Low Compression Gaskets
Silicon Foam	$\leq 20\%$	N/A	I/O or Profile Gaskets	Complex shapes, Flame retardant

3. Pressure Sensitive Adhesive

Pressure Sensitive Adhesive	Adhesive Force (ASTM D3330)	Conductivity	Application	Temperature Resistance
3M™ 9485PC or equivalent	≥ 1.0 Kg/in	N/A	High tack, Shear Resistance	-30°C to 160°C
TT 219 or equivalent	≥ 0.8 Kg/in	≤ 0.05 Ohms/inch ²	High tack, Conductivity	-10°C to 100°C

Other Pressure Sensitive Adhesives can be provided. Contact engineering to discuss requirements.

The recommended operating compression for Fabric-Over-Foam EMI Gaskets will vary depending on the shape and size of the particular gasket. Typically, D-shaped, Rectangular Shaped, and Triangle Shaped Fabric-Over-Foam EMI Gaskets should be compressed between 30%~50% of the foam height. Similarly, C shaped Fabric-Over-Foam EMI Gaskets should typically be compressed between 50%~70% of the gasket height.

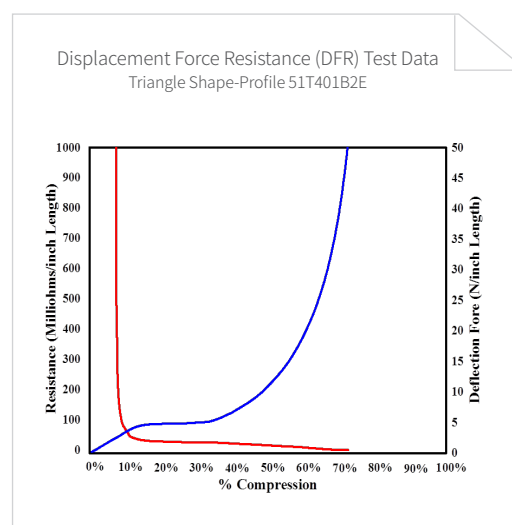
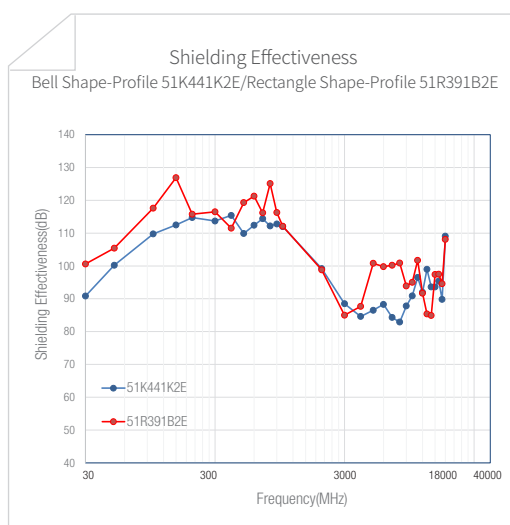
Displacement Force Resistance (DFR) graphs are available upon request (Figure 2). Please contact Engineering when unsure.

Technical Specifications of Fabric-Over-Foam Gasket

Charcteristics	Specifications	Tesst Standard	
Electrical Property			
Shielding Effectiveness	≥ 80 dB (30MHz~18GHz) (Figure 1)	MIL-DTL-83528F	
Surface Resistance	≤ 0.05 Ohms/inch ²	MIL-DTL-83528F	
Compression Resistance	≤ 0.05 Ohms (Compression 30%) (Figure 2)	Industrial standard	
Mechanical Property			
Abrasion Resistance	≤ 1 Ohms/sq (1,000,000 cycles)	ASTM D 3885	
Compression Force	≤ 50N (Compression 30%) (Figure 2)	Industrial standard	
Compression Set	≤ 20% (Compressed 50% for 22hrs at 70°C)	ASTM D 3574	
Compression Range	30~70%	Industrial standard	
Reliability Test	≤ 0.20 Ohms/inch ² (120H cycles)	Industrial standard	
Salt Spray	≤ 0.20 Ohms/inch ² (24H)	ASTM B 117	
Adhesive Force	≥ 1.0 Kg/in	ASTM D 3330	
Others			
Flame Retardant	UL94 V0	UL94	
RoHS	EU (RoHS 2.0)	IEC 62321	
Service Temperatures	Option 1	-40°C ~ +70°C Normal Foam	ASTM D 3574
	Option 2	-40°C ~ +85°C Thermostable Foam	
	Option 3	-40°C ~ +105°C High-performance Foam	
	Option 4	-40°C ~ +125°C Silica Gel Foam	
Halogen Content	≤ 900 ppm chlorine & ≤ 900 ppm bromine & 1500 ppm max for both		EN 14582

The technical specification data is based on FRD electronic materials tests and analysis that we believe to be reliable. However, in no event, shall FRD electronic materials be liable for the inaccuracies or omissions contained therein. In all cases, details and values should be verified by the customer.

Test Data



Test Equipment & The Product Size and Tolerance

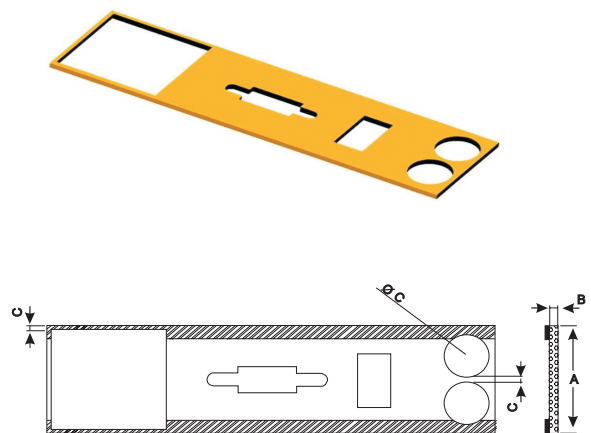
- Projection Testing Apparatuses
- Stripping Force Testing Apparatus
- Salt Spray Testing Machine
- Type EDX3600B RoHS Detector
- Horizontal-Vertical Flame Tester
- Steady Temperature Damp Testing Apparatus
- 4-Point Resistivity with Multi-meter
- Electronic Universal Test Machine
- Force Displacement Resistance Tester
- Textile Abrasion Tester
- A&D Electronic Density Meter
- Precision Thickness Gauge
- Optical Microscope
- Low DC Resistance Tester

1. Tolerance Standard

- I/O: Height, Width, Length: $\pm 0.5\text{mm}$
- Profile: Height & Width: $\pm 0.5\text{mm}$
- Profile Length:
 - 0.5 ---- 3mm: $\pm 0.2\text{mm}$
 - 3.0 ---- 6mm: $\pm 0.3\text{mm}$
 - 6.0 ---- 30mm: $\pm 0.5\text{mm}$
 - 30 --- 120mm: $\pm 0.8\text{mm}$
 - 120 --- 400mm: $\pm 1.2\text{mm}$
 - 400 --- 1000mm: $\pm 2.0\text{mm}$
 - 1000 --- 2000mm: $\pm 3.0\text{mm}$
 - 2000 --- 4000mm: $\pm 4.0\text{mm}$

2. Dimension Notes

- A cross-section width of the product is less than 150mm, the thickness of B is less than 30mm
- I/O product, the hole -to -hole distance and the hole- to- edge distance must shorter than 1.5mm, the diameter of the hole must smaller than 1.5mm
- The directions of the adhesive and liner are the same as the wrapping direction
- The length of the product cannot be longer than 2500mm



FOF Part Number System

P / N : 5 1 X X X X X X X X X X X

①
②
③
④
⑤
⑥
⑦
⑧
⑨

① 51 - PRODUCT TYPE

51 - Fabric-Over-Foam

② X - PROFILE SHAPE

R	Rectangle	D	D-Shape	C	C-Shape
H	I/O	T	Triangle Shape	K	Bell
Q	Custom	P	P-Shape		

③ XX - PROFILE NUMBERS

Sequence code from 00 - ZZ, If enough 000 - ZZZ

④ X - CUSTOMIZED OPTIONS

1~9 or A-Z Tape Type/Spec/Positions...

Designate part-specific attributes of the product including tape type, tape width, tape position, with or without PET and a variety of other customized detail. "1" is the default and usually designates Pressure Sensitive Adhesive centered on base. These digits will be supplied by FRD Technologies Engineering Personnel.

⑤ X - Fillers

Designate the core material

A	No Foam	B	PU Foam	C	HD-PU Foam
D	LD-PU Foam	F	PET/FRP.....Carrier	K	HT -PU Foam
M	CF	N	Compression Foam		
P	Silicon Foam (Service Temperature -40~125°C)				

⑥ X - FLAMMABILITY RATING (FR)

Designate the flame rating of product

0	No Rating
1	UL94 V0 + ROHS
2	UL94 V0 + ROHS + Halogen-Free

⑦ X - FABRIC COVERING

Designate the fabric cover of product

A	AL Foil	B	Black Fabric	C	Non Conductive Ripstop
E	Ni/Cu Ripstop	H	Ni/Cu Taffeta		

⑧ XXXXX - LENGTH EXTENSION

Designate the part length in millimeters to one decimal places. For the example shown above, the "01524" denotes a 6.00 inch (152.4mm) long gasket.

⑨ X - IDENTIFICATION CODE

In view of the same product, if the customer request unit/layout/packing and so on at the same time, should be distinguish from A to Z

CF & Conductive Tape Part Number System

P / N : 5 2 X X X X X X X X X

① ② ③ ④ ⑤ ⑥ ⑦

① **52 - PRODUCT TYPE**

52 - Conductive Foam

② **X - ADHESIVE**

A - No adhesive

B - Conductive Adhesive

C - Non conductive Adhesive

D - Custom

③ **XX - PRODUCT THICKNESS**

For example: 100 = 1.00 mm; 025 = 0.25 mm

④ **X - SHAPE**

R - Rectangle

P - Punching

⑤ **XXXX - WIDTH EXTENSION**

Four digits, for example, 1234 = 123.4 mm

⑥ **XXXX - LENGTH EXTENSION**

Four digits, for example, 1234 = 123.4 mm

⑦ **X - IDENTIFICATION CODE**

In view of the same product, if the customer request unit/layout/packing and so on at the same time, should be distinguish from A to Z

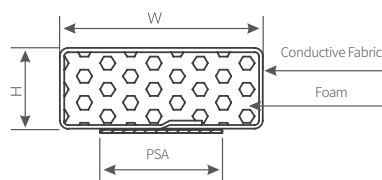
FOF Gasket (Rectangle)

Rectangle														
P/N	H(inch : mm)		W(inch : mm)		P/N	H(inch : mm)		W(inch : mm)		P/N	H(inch : mm)		W(inch : mm)	
51R11	0.079	2.0	0.709	18.0	51R60	0.157	4.0	0.157	4.0	51RA9	0.079	2.0	0.118	3.0
51R13	0.118	3.0	0.236	6.0	51R62	0.059	1.5	0.157	4.0	51RB1	0.059	1.5	0.205	5.2
51R14	0.118	3.0	0.157	4.0	51R63	0.709	18.0	0.945	24.0	51RB2	0.079	2.0	0.508	12.9
51R15	0.028	0.7	0.394	10.0	51R64	0.197	5.0	0.394	10.0	51RB3	0.059	1.5	0.787	20.0
51R16	0.126	3.2	0.236	6.0	51R65	0.126	3.2	0.500	12.7	51RB4	0.098	2.5	0.197	5.0
51R17	0.118	3.0	0.197	5.0	51R66	0.197	5.0	0.315	8.0	51RB5	0.157	4.0	0.177	4.5
51R19	0.098	2.5	0.157	4.0	51R67	0.126	3.2	0.374	9.5	51RB6	0.059	1.5	0.236	6.0
51R20	0.252	6.4	0.252	6.4	51R68	0.500	12.7	0.500	12.7	51RB7	0.197	5.0	0.354	9.0
51R21	0.394	10.0	0.394	10.0	51R69	0.079	2.0	0.315	8.0	51RB8	0.079	2.0	0.433	11.0
51R22	0.118	3.0	0.118	3.0	51R70	0.059	1.5	0.315	8.0	51RB9	0.551	14.0	0.315	8.0
51R23	0.118	3.0	0.315	8.0	51R71	0.079	2.0	0.197	5.0	51RC1	0.374	9.5	0.500	12.7
51R24	0.059	1.5	0.197	5.0	51R72	0.472	12.0	0.394	10.0	51RC2	0.039	1.0	0.524	13.3
51R25	0.039	1.0	0.197	5.0	51R73	0.059	1.5	0.252	6.4	51RC3	0.020	0.5	0.063	1.6
51R26	0.039	1.0	0.394	10.0	51R74	0.039	1.0	0.079	2.0	51RC4	0.014	0.4	0.276	7.0
51R27	0.039	1.0	0.118	3.0	51R75	0.138	3.5	0.138	3.5	51RC5	0.157	4.0	0.197	5.0
51R28	0.055	1.4	0.098	2.5	51R76	0.024	0.6	0.354	9.0	51RC6	0.039	1.0	0.433	11.0
51R29	0.106	2.7	0.276	7.0	51R77	0.012	0.3	0.217	5.5	51RC7	0.157	4.0	0.138	3.5
51R30	0.098	2.5	0.264	6.7	51R78	0.094	2.4	0.929	23.6	51RC8	0.157	4.0	0.394	10.0
51R31	0.039	1.0	0.276	7.0	51R79	0.787	20.0	0.276	7.0	51RC9	0.039	1.0	0.787	20.0
51R32	0.059	1.5	0.394	10.0	51R80	0.020	0.5	0.157	4.0	51RD1	0.256	6.5	1.000	25.4
51R33	0.118	3.0	0.787	20.0	51R81	0.039	1.0	0.236	6.0	51RD2	0.110	2.8	0.197	5.0
51R34	0.256	6.5	1.122	28.5	51R82	0.094	2.4	0.929	23.6	51RD3	0.157	4.0	0.256	6.5
51R35	0.079	2.0	0.157	4.0	51R83	0.079	2.0	0.276	7.0	51RD4	0.197	5.0	0.157	4.0
51R36	0.315	8.0	0.591	15.0	51R84	0.079	2.0	0.138	3.5	51RD5	0.079	2.0	0.150	3.8
51R37	0.079	2.0	0.394	10.0	51R85	0.039	1.0	0.315	8.0	51RD6	0.059	1.5	0.709	18.0
51R38	0.020	0.5	0.276	7.0	51R86	0.177	4.5	0.157	4.0	51RD7	1.181	30.0	0.394	10.0
51R39	0.039	1.0	0.177	4.5	51R87	0.189	4.8	0.299	7.6	51RD8	0.252	6.4	0.500	12.7
51R40	0.035	0.9	0.472	12.0	51R88	0.276	7.0	0.236	6.0	51RD9	0.256	6.5	0.866	22.0
51R41	0.035	0.9	0.354	9.0	51R89	0.276	7.0	0.157	4.0	51RE1	0.079	2.0	0.098	2.5
51R42	0.067	1.7	0.157	4.0	51R90	0.315	8.0	0.236	6.0	51RE2	0.047	1.2	0.079	2.0
51R43	0.118	3.0	0.551	14.0	51R91	0.079	2.0	0.236	6.0	51RE3	0.098	2.5	0.866	22.0
51R44	0.157	4.0	0.220	5.6	51R92	0.039	1.0	0.157	4.0	51RE4	0.134	3.4	0.236	6.0
51R45	0.091	2.3	0.177	4.5	51R93	0.197	5.0	0.197	5.0	51RE5	0.177	4.5	0.256	6.5
51R46	0.079	2.0	0.079	2.0	51R94	0.039	1.0	0.098	2.5	51RE6	0.047	1.2	0.059	1.5
51R47	0.098	2.5	0.118	3.0	51R95	0.217	5.5	0.276	7.0	51RE7	0.177	4.5	0.276	7.0
51R48	0.118	3.0	0.591	15.0	51R96	0.138	3.5	0.512	13.0	51RE8	0.157	4.0	0.374	9.5
51R49	0.138	3.5	0.118	3.0	51R97	0.138	3.5	0.394	10.0	51RE9	0.118	3.0	0.201	5.1
51R50	0.024	0.6	0.102	2.6	51R98	0.177	4.5	0.197	5.0	51RF1	0.118	3.0	0.362	9.2
51R51	0.020	0.5	0.315	8.0	51R99	0.177	4.5	0.236	6.0	51RF2	0.205	5.2	0.268	6.8
51R52	0.236	6.0	0.118	3.0	51RA1	0.236	6.0	0.098	2.5	51RF3	0.205	5.2	0.283	7.2
51R53	0.059	1.5	0.118	3.0	51RA2	0.236	6.0	0.591	15.0	51RF4	0.283	7.2	0.354	9.0
51R54	0.024	0.6	0.236	6.0	51RA3	0.138	3.5	0.315	8.0	51RF5	0.283	7.2	0.248	6.3
51R55	0.118	3.0	0.177	4.5	51RA4	0.315	8.0	0.315	8.0	51RF6	0.083	2.1	0.394	10.0
51R56	0.197	5.0	0.236	6.0	51RA5	0.138	3.5	0.630	16.0	51RF7	0.083	2.1	0.268	6.8
51R57	0.039	1.0	0.217	5.5	51RA6	0.315	8.0	0.394	10.0	51RF8	0.244	6.2	0.248	6.3
51R58	0.079	2.0	0.374	9.5	51RA7	0.098	2.5	0.472	12.0	51RF9	0.236	6.0	0.197	5.0
51R59	0.984	25.0	0.591	15.0	51RA8	0.059	1.5	0.130	3.3	51RG1	0.236	6.0	0.394	10.0

FOF Gasket (Rectangle)

Rectangle														
P/N	H(inch : mm)		W(inch : mm)		P/N	H(inch : mm)		W(inch : mm)		P/N	H(inch : mm)		W(inch : mm)	
51RG2	0.433	11.0	0.394	10.0	51RN9	0.059	1.5	0.098	2.5	51RT7	0.047	1.2	0.197	5.0
51RG3	0.433	11.0	0.197	5.0	51RP1	0.039	1.0	0.220	5.6	51RT8	0.087	2.2	0.197	5.0
51RG4	0.020	0.5	0.197	5.0	51RP2	0.039	1.0	1.969	50.0	51RT9	0.039	1.0	0.201	5.1
51RG5	0.220	5.6	0.311	7.9	51RP3	0.236	6.0	0.472	12.0	51RV1	0.035	0.9	0.071	1.8
51RG6	0.075	1.9	0.476	12.1	51RP4	0.217	5.5	0.157	4.0	51RV2	0.051	1.3	0.091	2.3
51RG7	0.020	0.5	0.079	2.0	51RP5	0.787	20.0	0.591	15.0	51RV3	0.051	1.3	0.236	6.0
51RG8	0.012	0.3	0.370	9.4	51RP6	0.020	0.5	0.150	3.8	51RV4	0.016	0.4	0.201	5.1
51RG9	0.020	0.5	0.394	10.0	51RP7	0.039	1.0	0.246	6.3	51RV5	0.394	10.0	0.472	12.0
51RH1	0.866	22.0	0.591	15.0	51RP8	0.236	6.0	0.157	4.0	51RV6	0.315	8.0	0.472	12.0
51RH2	0.055	1.4	0.079	2.0	51RP9	0.472	12.0	0.315	8.0	51RV7	0.551	14.0	0.394	10.0
51RH3	0.157	4.0	0.236	6.0	51RQ1	0.012	0.3	0.118	3.0	51RV8	0.472	12.0	0.197	5.0
51RH4	0.079	2.0	0.591	15.0	51RQ2	0.217	5.5	0.394	10.0	51RV9	0.020	0.5	0.264	6.7
51RH5	0.236	6.0	0.315	8.0	51RQ3	0.024	0.6	0.315	8.0	51RW1	0.059	1.5	0.201	5.1
51RH6	0.087	2.2	0.098	2.5	51RQ4	0.087	2.2	0.116	3.0	51RW2	0.079	2.0	0.201	5.1
51RH7	0.063	1.6	0.157	4.0	51RQ5	0.063	1.6	0.071	1.8	51RW3	0.020	0.5	0.118	3.0
51RH8	0.236	6.0	0.236	6.0	51RQ6	0.087	2.2	0.071	1.8	51RW4	0.071	1.8	0.177	4.5
51RH9	0.472	12.0	0.591	15.0	51RQ7	0.039	1.0	0.591	15.0	51RW5	0.039	1.0	0.339	8.6
51RK1	0.022	0.6	0.551	14.0	51RQ8	0.276	7.0	0.394	10.0	51RW6	0.071	1.8	0.157	4.0
51RK2	0.039	1.0	0.354	9.0	51RQ9	0.709	18.0	0.394	10.0	51RW7	0.071	1.8	0.197	5.0
51RK3	0.591	15.0	0.394	10.0	51RR1	0.059	1.5	0.280	7.1	51RW8	0.201	5.1	0.201	5.1
51RK4	0.126	3.2	0.252	6.4	51RR2	0.091	2.3	0.661	16.8	51RW9	0.118	3.0	0.138	3.5
51RK5	0.039	1.0	0.709	18.0	51RR3	0.059	1.5	1.201	30.5	51RX1	0.039	1.0	0.157	4.0
51RK6	0.150	3.8	0.110	2.8	51RR4	0.173	4.4	0.449	11.4	51RX2	0.024	0.6	0.276	7.0
51RK7	0.472	12.0	0.472	12.0	51RR5	0.157	4.0	0.315	8.0	51RX3	0.063	1.6	0.079	2.0
51RK8	0.161	4.1	0.236	6.0	51RR6	0.177	4.5	0.394	10.0	51RX4	0.016	0.4	0.197	5.0
51RK9	0.098	2.5	0.236	6.0	51RR7	0.177	4.5	0.315	8.0	51RX5	0.059	1.5	0.354	9.0
51RM1	0.059	1.5	0.110	2.8	51RR8	0.098	2.5	0.315	8.0	51RX6	0.098	2.5	0.071	1.8
51RM2	0.087	2.2	0.177	4.5	51RR9	0.394	10.0	0.315	8.0	51RX7	0.079	2.0	0.063	1.6
51RM3	0.059	1.5	0.213	5.4	51RS1	0.354	9.0	0.394	10.0	51RX8	0.118	3.0	0.394	10.0
51RM4	0.059	1.5	0.079	2.0	51RS2	0.118	3.0	0.669	17.0	51RX9	0.051	1.3	0.217	5.5
51RM5	0.094	2.4	0.118	3.0	51RS3	0.118	3.0	0.630	16.0	51RY1	0.224	5.7	0.177	4.5
51RM6	0.020	0.5	1.024	26.0	51RS4	0.118	3.0	1.276	32.4	51RY2	0.047	1.2	0.157	4.0
51RM7	0.059	1.5	0.059	1.5	51RS5	0.118	3.0	0.953	24.2	51RY3	0.039	1.0	0.260	6.6
51RM8	0.012	0.3	0.181	4.6	51RS6	0.098	2.5	0.276	7.0	51RY4	0.150	3.8	0.500	12.7
51RM9	0.094	2.4	0.079	2.0	51RS7	0.039	1.0	0.256	6.5	51RY5	0.043	1.1	0.528	13.4
51RN1	0.157	4.0	0.354	9.0	51RS8	0.197	5.0	0.709	18.0	51RY6	0.433	11.0	0.236	6.0
51RN2	0.012	0.3	0.394	10.0	51RS9	0.079	2.0	0.630	16.0	51RY7	0.039	1.0	0.512	13.0
51RN3	0.236	6.0	0.354	9.0	51RT1	0.138	3.5	0.157	4.0	51RY8	0.130	3.3	0.189	4.8
51RN4	0.039	1.0	1.614	41.0	51RT2	0.276	7.0	0.098	2.5	51RY9	0.028	0.7	0.315	8.0
51RN5	0.047	1.2	0.866	22.0	51RT3	0.031	0.8	0.315	8.0	51RZ1	0.118	3.0	0.276	7.0
51RN6	0.098	2.5	0.268	6.8	51RT4	0.126	3.2	0.591	15.0	51RZ5	0.323	8.2	0.177	4.5
51RN7	0.472	12.0	0.177	4.5	51RT5	0.024	0.6	0.366	9.3	51RZ6	0.063	1.6	0.394	10.0
51RN8	0.197	5.0	0.472	12.0	51RT6	0.051	1.3	0.220	5.6	51RZ7	0.047	1.2	0.071	1.8

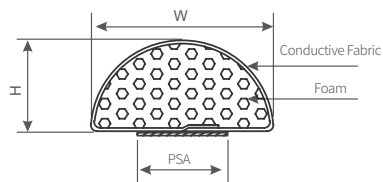
Rectangular Series Sketch



FOF Gasket (D-Shape)

D-Shape														
P/N	H(inch : mm)		W(inch : mm)		P/N	H(inch : mm)		W(inch : mm)		P/N	H(inch : mm)		W(inch : mm)	
51D11	0.142	3.6	0.252	6.4	51D52	0.079	2.0	0.157	4.0	51D89	0.071	1.8	0.295	7.5
51D12	0.106	2.7	0.169	4.3	51D53	0.106	2.7	0.142	3.6	51D90	0.157	4.0	0.425	10.8
51D13	0.079	2.0	0.394	10.0	51D54	0.197	5.0	0.374	9.5	51D91	0.201	5.1	0.480	12.2
51D14	0.098	2.5	0.299	7.6	51D55	0.126	3.2	0.374	9.5	51D92	0.079	2.0	0.236	6.0
51D15	0.098	2.5	0.248	6.3	51D56	0.071	1.8	0.181	4.6	51D93	0.118	3.0	0.394	10.0
51D16	0.189	4.8	0.299	7.6	51D57	0.157	4.0	0.315	8.0	51D94	0.098	2.5	0.157	4.0
51D17	0.098	2.5	0.394	10.0	51D58	0.118	3.0	0.150	3.8	51D95	0.130	3.3	0.256	6.5
51D18	0.059	1.5	0.150	3.8	51D59	0.091	2.3	0.205	5.2	51D96	0.098	2.5	0.394	10.0
51D19	0.079	2.0	0.079	2.0	51D60	0.083	2.1	0.315	8.0	51D97	0.138	3.5	0.394	10.0
51D20	0.079	2.0	0.394	10.0	51D61	0.138	3.5	0.394	10.0	51D98	0.098	2.5	0.250	6.4
51D21	0.252	6.4	0.252	6.4	51D62	0.059	1.5	0.118	3.0	51D99	0.130	3.3	0.189	4.8
51D22	0.157	4.0	0.500	12.7	51D63	0.059	1.5	0.236	6.0	51DA1	0.200	5.1	0.394	10.0
51D23	0.091	2.3	0.150	3.8	51D64	0.118	3.0	0.354	9.0	51DA2	0.098	2.5	0.583	14.8
51D24	0.181	4.6	0.394	10.0	51D65	0.075	1.9	0.150	3.8	51DA3	0.079	2.0	0.118	3.0
51D25	0.217	5.5	0.409	10.4	51D66	0.118	3.0	0.118	3.0	51DA4	0.110	2.8	0.276	7.0
51D26	0.173	4.4	0.244	6.2	51D67	0.102	2.6	0.370	9.4	51DA5	0.059	1.5	0.177	4.5
51D27	0.059	1.5	0.315	8.0	51D68	0.118	3.0	0.358	9.1	51DA6	0.094	2.4	0.201	5.1
51D28	0.094	2.4	0.374	9.5	51D68	0.118	3.0	0.358	9.1	51DA7	0.118	3.0	0.500	12.7
51D29	0.079	2.0	0.142	3.6	51D69	0.087	2.2	0.299	7.6	51DA8	0.138	3.5	0.315	8.0
51D31	0.157	4.0	0.236	6.0	51D70	0.039	1.0	0.150	3.8	51DA9	0.059	1.5	0.394	10.0
51D32	0.079	2.0	0.315	8.0	51D71	0.150	3.8	0.150	3.8	51DA10	0.118	3.0	0.250	6.4
51D33	0.157	4.0	0.150	3.8	51D72	0.157	4.0	0.787	20.0	51DA11	0.098	2.5	0.315	8.0
51D34	0.079	2.0	0.276	7.0	51D73	0.079	2.0	0.500	12.7	51DA12	0.079	2.0	0.394	10.0
51D35	0.079	2.0	0.295	7.5	51D74	0.106	2.7	0.500	12.7	51DA13	0.150	3.8	0.354	9.0
51D36	0.118	3.0	0.472	12.0	51D75	0.150	3.8	0.500	12.7	51DA14	0.177	4.5	0.315	8.0
51D37	0.039	1.0	0.276	7.0	51D76	0.071	1.8	0.500	12.7	51DA15	0.197	5.0	0.315	8.0
51D38	0.079	2.0	0.394	10.0	51D77	0.098	2.5	0.500	12.7	51DA16	0.071	1.8	0.150	3.8
51D39	0.071	1.8	0.169	4.3	51D78	0.138	3.5	0.500	12.7	51DA17	0.250	6.4	0.250	6.4
51D40	0.118	3.0	0.335	8.5	51D79	0.157	4.0	0.591	15.0	51DA18	0.106	2.7	0.169	4.3
51D41	0.157	4.0	0.433	11.0	51D80	0.059	1.5	0.252	6.4	51DA19	0.118	3.0	0.394	10.0
51D42	0.118	3.0	0.315	8.0	51D81	0.118	3.0	0.394	10.0	51DA20	0.169	4.3	0.250	6.4
51D43	0.252	6.4	0.374	9.5	51D82	0.181	4.6	0.402	10.2	51DA21	0.374	9.5	0.500	12.7
51D44	0.079	2.0	0.370	9.4	51D83	0.070	1.8	0.394	10.0	51DA22	0.299	7.6	0.500	12.7
51D45	0.118	3.0	0.252	6.4	51D84	0.110	2.8	0.374	9.5	51DA23	0.110	2.8	0.224	5.7
51D47	0.039	1.0	0.394	10.0	51D85	0.201	5.1	0.252	6.4	51DA24	0.161	4.1	0.240	6.1
51D48	0.091	2.3	0.091	2.3	51D86	0.106	2.7	0.394	10.0	51DA25	0.161	4.1	0.250	6.4
51D49	0.102	2.6	0.177	4.5	51D87	0.157	4.0	0.394	10.0	51DA26	0.142	3.6	0.339	8.6
51D51	0.130	3.3	0.299	7.6	51D88	0.118	3.0	0.098	2.5					

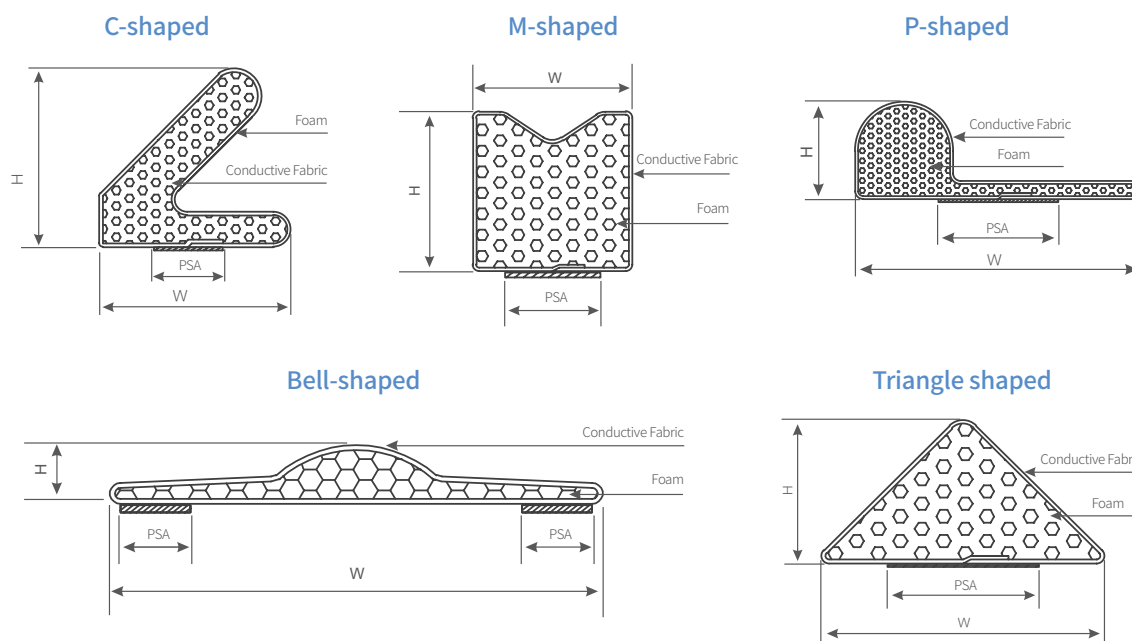
D-shaped Series Sketch



FOF Gasket (C, P, M, Bell-Shape and Triangle Shape)

C, P, M-Shape					Bell-Shape					Triangle Shape				
P/N	H(inch : mm)		W(inch : mm)		P/N	H(inch : mm)		W(inch : mm)		P/N	H(inch : mm)		W(inch : mm)	
51C11	0.315	8.0	0.315	8.0	51K11	0.217	5.5	0.591	15.0	51T12	0.236	6.0	0.488	12.4
51C12	0.394	10.0	0.433	11.0	51K12	0.071	1.8	0.563	14.3	51T13	0.118	3.0	0.512	13.0
51C13	0.315	8.0	0.315	8.0	51K13	0.071	1.8	0.181	4.6	51T14	0.098	2.5	0.394	10.0
51C15	0.386	9.8	0.421	10.7	51K14	0.122	3.1	0.315	8.0	51T15	0.157	4.0	0.720	18.3
51C16	0.465	11.8	0.421	10.7	51K15	0.059	1.5	0.563	14.3	51T16	0.091	2.3	0.362	9.2
51C23	0.252	6.4	0.256	6.5	51K16	0.071	1.8	0.559	14.2	51T17	0.118	3.0	0.276	7.0
51C24	0.315	8.0	0.315	8.0	51K17	0.059	1.5	0.315	8.0	51T18	0.138	3.5	0.394	10.0
51C25	0.402	10.2	0.429	10.9	51K18	0.067	1.7	0.484	12.3	51T19	0.079	2.0	0.236	6.0
51C26	0.673	17.1	0.591	15.0	51K19	0.157	4.0	0.500	12.7	51T20	0.094	2.4	0.299	7.6
P-Shape					51K20	0.071	1.8	0.181	4.6	51T21	0.110	2.8	0.618	15.7
51P11	0.118	3.0	0.492	12.5	51K21	0.098	2.5	0.299	7.6	51T22	0.039	1.0	0.374	9.5
51P12	0.276	7.0	0.433	11.0	51K22	0.098	2.5	0.394	10.0	51T23	0.098	2.5	0.394	10.0
51P13	0.173	4.4	0.646	16.4	51K23	0.087	2.2	0.181	4.6	51T24	0.098	2.5	0.374	9.5
51P14	0.118	3.0	0.520	13.2	51K24	0.138	3.5	0.315	8.0	51T25	0.059	1.5	0.394	10.0
M-Shape					51K25	0.130	3.3	0.394	10.0	51T26	0.118	3.0	0.319	8.1
51M11	0.394	10.0	0.394	10.0	51K26	0.079	2.0	0.299	7.6	51T27	0.098	2.5	0.394	10.0
51M12	0.374	9.5	0.500	12.7	51K27	0.181	4.6	0.551	14.0	51T28	0.157	4.0	0.394	10.0
										51T29	0.063	1.6	0.197	5.0
										51T30	0.079	2.0	0.315	8.0
										51T31	0.110	2.8	0.319	8.1
										51T32	0.091	2.3	0.250	6.4
										51T33	0.126	3.2	0.250	6.4
										51T34	0.091	2.3	0.500	12.7
										51T35	0.126	3.2	0.500	12.7

C-shaped, M-shaped, P-shaped, Bell-shaped and Triangle shaped Series Sketch



FOF Gasket (I/O and Others)

I/O																					
P/N	H(inch:mm)		W(inch:mm)		L(inch:mm)		P/N	H(inch:mm)		W(inch:mm)		L(inch:mm)		P/N	H(inch:mm)		W(inch:mm)		L(inch:mm)		
5IH11	0.039	1.0	1.339	34.0	6.055	153.8	5IH58	0.059	1.5	1.732	44.0	6.299	160.0	51HA7	0.157	4.0	0.787	20.0	0.906	23.0	
5IH12	0.079	2.0	1.102	28.0	6.299	160.0	51H58A	0.079	2.0	1.398	35.5	5.118	130.0	51HA8	0.079	2.0	2.953	75.0	10.000	254.0	
5IH13	0.197	5.0	0.787	20.0	1.024	26.0	51H60	0.039	1.0	3.378	85.8	8.976	228.0	51HA9	0.079	2.0	1.772	45.0	1.378	35.0	
5IH14	0.059	1.5	0.748	19.0	1.339	34.0	51H61	0.059	1.5	1.772	45.0	6.102	155.0	51HB1	0.039	1.0	0.591	15.0	2.165	55.0	
5IH15	0.039	1.0	0.689	17.5	6.417	163.0	51H62	0.039	1.0	0.551	14.0	2.559	65.0	51HB2	0.079	2.0	1.359	34.5	5.874	149.2	
5IH16	0.079	2.0	1.063	27.0	1.181	30.0	51H63	0.079	2.0	0.535	13.6	2.197	55.8	51HB3	0.157	4.0	0.236	6.0	0.236	6.0	
5IH17	0.039	1.0	0.512	13.0	2.138	54.3	51H64	0.098	2.5	1.693	43.0	4.825	122.6	51HB4	0.039	1.0	2.953	75.0	10.000	254.0	
5IH18	0.031	0.8	0.709	18.0	2.795	71.0	51H65	0.079	2.0	0.866	22.0	5.118	130.0	51HB5	0.079	2.0	0.551	14.0	0.945	24.0	
5IH19	0.031	0.8	0.551	14.0	1.457	37.0	51H66	0.118	3.0	2.244	57.0	4.528	115.0	51HB6	0.039	1.0	0.748	19.0	1.319	33.5	
5IH20	0.059	1.5	1.772	45.0	6.220	158.0	51H67	0.079	2.0	0.736	18.7	1.713	43.5	51HB7	0.118	3.0	0.630	16.0	1.827	46.4	
5IH21	0.079	2.0	0.669	17.0	0.866	22.0	51H68	0.079	2.0	0.665	16.9	1.378	35.0	51HB8	0.039	1.0	0.638	16.2	1.319	33.5	
5IH22	0.039	1.0	0.394	10.0	15.323	389.2	51H69	0.039	1.0	0.669	17.0	1.398	35.5	51HB9	0.079	2.0	0.787	20.0	2.854	72.5	
5IH23	0.039	1.0	0.394	10.0	6.646	168.8	51H70	0.079	2.0	1.063	27.0	1.236	31.4	51HC1	0.039	1.0	3.378	85.8	8.937	227.0	
5IH24	0.059	1.5	0.748	19.0	1.949	49.5	51H71	0.079	2.0	0.551	14.0	2.205	56.0	51HC2	0.157	4.0	0.630	16.0	0.945	24.0	
5IH25	0.157	4.0	0.866	22.0	0.866	22.0	51H72	0.157	4.0	0.630	16.0	0.984	25.0	51HC3	0.118	3.0	0.579	14.7	1.807	45.9	
5IH26	0.079	2.0	0.591	15.0	7.874	200.0	51H73	0.079	2.0	1.102	28.0	5.862	148.9	51HC4	0.079	2.0	0.551	14.0	1.890	48.0	
5IH27	0.059	1.5	1.772	45.0	5.984	152.0	51H74	0.079	2.0	0.709	18.0	2.205	56.0	51HC5	0.157	4.0	0.315	8.0	0.315	8.0	
5IH28	0.118	3.0	1.362	34.6	6.358	161.5	51H75	0.120	3.1	1.689	42.9	6.270	159.3	51HC6	0.039	1.0	0.713	18.1	3.902	99.1	
5IH29	0.118	3.0	0.886	22.5	5.807	147.5	51H76	0.079	2.0	0.957	24.3	1.902	48.3	51HC7	0.039	1.0	0.394	10.0	1.260	32.0	
5IH35	0.039	1.0	1.417	36.0	5.512	140.0	51H77	0.039	1.0	1.343	34.1	5.583	141.8	51HC8	0.039	1.0	0.669	17.0	4.055	103.0	
5IH30	0.079	2.0	1.654	42.0	4.882	124.0	51H78	0.079	2.0	0.984	25.0	18.976	482.0	51HC9	0.079	2.0	0.591	15.0	2.283	58.0	
5IH31	0.059	1.5	1.850	47.0	6.102	155.0	51H79	0.039	1.0	0.394	10.0	8.268	210.0	51HD1	0.039	1.0	1.811	46.0	2.874	73.0	
5IH32	0.250	6.4	1.598	40.6	2.000	50.8	51H80	0.039	1.0	0.394	10.0	1.752	44.5	51HD2	0.079	2.0	0.433	11.0	0.709	18.0	
5IH33	0.079	2.0	1.181	30.0	0.945	24.0	51H81	0.039	1.0	0.394	10.0	2.421	61.5	51HD3	0.059	1.5	0.811	20.6	2.720	69.1	
5IH34	0.039	1.0	0.630	16.0	1.575	40.0	51H82	0.039	1.0	0.394	10.0	6.929	176.0	51HD4	0.059	1.5	0.587	14.9	3.465	88.0	
5IH36	0.039	1.0	3.370	85.6	8.937	227.0	51H83	0.039	1.0	0.394	10.0	2.441	62.0	51HD5	0.354	9.0	0.354	9.0	12.795	325.0	
5IH37	0.039	1.0	0.516	13.1	0.902	22.9	51H84	0.039	1.0	0.276	7.0	0.709	18.0	51HD6	0.354	9.0	0.354	9.0	16.654	423.0	
5IH38	0.039	1.0	0.843	21.4	2.913	74.0	51H85	0.197	5.0	0.846	21.5	0.665	16.9	51HD7	0.098	2.5	1.669	42.4	5.839	148.3	
5IH39	0.098	2.5	0.646	16.4	1.031	26.2	51H86	0.079	2.0	0.764	19.4	3.492	88.7	51HD8	0.039	1.0	1.803	45.8	8.374	212.7	
5IH40	0.079	2.0	1.654	42.0	4.882	124.0	51H87	0.079	2.0	0.764	19.4	1.957	49.7	51HD9	0.394	10.0	0.591	15.0	7.874	200.0	
5IH41	0.276	7.0	2.372	60.3	6.559	166.6	51H88	0.079	2.0	0.787	20.0	1.197	30.4	51HE1	0.039	1.0	0.328	8.3	1.071	27.2	
5IH42	0.079	2.0	0.618	15.7	1.004	25.5	51H89	0.157	4.0	0.472	12.0	0.709	18.0	51HE2	0.394	10.0	0.591	15.0	8.268	210.0	
5IH43	0.079	2.0	0.807	20.5	3.819	97.0	51H90	0.039	1.0	1.575	40.0	15.535	394.6	51HE3	0.059	1.5	1.138	28.9	3.492	88.7	
5IH44	0.079	2.0	0.752	19.1	2.787	70.8	51H91	0.079	2.0	0.661	16.8	0.693	17.6	51HE4	0.079	2.0	0.807	20.5	0.768	19.5	
5IH45	0.039	1.0	0.315	8.0	2.047	52.0	51H92	0.028	0.7	2.953	75.0	10.000	254.0	51HE5	0.079	2.0	1.024	26.0	4.567	116.0	
5IH46	0.197	5.0	0.197	5.0	4.441	112.8	51H94	0.079	2.0	1.732	44.0	9.606	244.0	51HE6	0.079	2.0	1.220	31.0	10.827	275.0	
5IH47	0.020	0.5	0.787	20.0	3.740	95.0	51H95	0.118	3.0	0.787	20.0	1.024	26.0	51HE7	0.079	2.0	2.421	61.5	6.890	175.0	
5IH48	0.039	1.0	1.575	40.0	16.260	413.0	51H96	0.079	2.0	0.984	25.0	0.591	15.0	51HE8	0.079	2.0	2.835	72.0	5.504	139.8	
5IH49	0.157	4.0	0.650	16.5	0.984	25.0	51H97	0.039	1.0	0.630	16.0	2.559	65.0	51HE9	0.039	1.0	0.752	19.1	1.319	33.5	
5IH50	0.079	2.0	2.323	59.0	8.819	224.0	51H98	0.039	1.0	0.689	17.5	0.394	10.0	51HF1	0.118	3.0	1.457	37.0	6.102	155.0	
5IH51	0.094	2.4	0.929	23.6	1.220	31.0	51H99	0.079	2.0	1.417	36.0	5.157	131.0	51HF2	0.039	1.0	0.689	17.5	0.728	18.5	
5IH52	0.059	1.5	1.654	42.0	6.220	158.0	51HA1	0.039	1.0	0.559	14.2	3.000	76.2	51HF3	0.079	2.0	1.402	35.6	4.331	110.0	
5IH53	0.177	4.5	1.339	34.0	1.181	30.0	51HA2	0.059	1.5	0.752	19.1	1.319	33.5	51HF4	0.118	3.0	0.709	18.0	1.083	27.5	
5IH54	0.079	2.0	2.323	59.0	8.815	223.9	51HA3	0.039	1.0	0.984	25.0	0.591	15.0	51HF5	0.039	1.0	0.791	20.1	1.177	29.9	
5IH55	0.059	1.5	1.594	40.5	3.906	99.2	51HA4	0.236	6.0	0.630	16.0	11.220	285.0	51HF6	0.039	1.0	0.276	7.0	2.283	58.0	
5IH56	0.157	4.0	0.709	18.0	0.945	24.0	51HA5	0.079	2.0	0.535	13.6	2.197	55.8	51HF7	0.039	1.0	0.902	22.9	0.516	13.1	
5IH57	0.118	3.0	1.604	40.8	7.864	199.8	51HA6	0.118	3.0	0.630	16.0	0.984	25.0	51HF8	0.059	1.5	1.343	34.1	5.583	141.0	

FOF Gasket (I/O and Others)

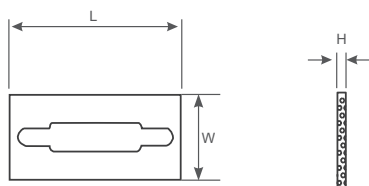
I/O																					
P/N	H(inch:mm)		W(inch:mm)		L(inch:mm)		P/N	H(inch:mm)		W(inch:mm)		L(inch:mm)		P/N	H(inch:mm)		W(inch:mm)		L(inch:mm)		
51HF9	0.039	1.0	0.579	14.7	1.909	48.5	51HN2	0.079	2.0	1.575	40.0	6.102	155.0	51HT4	0.134	3.4	1.181	30.0	14.150	359.4	
51HG1	0.079	2.0	0.315	8.0	51.181	1300.0	51HN3	0.039	1.0	0.394	10.0	1.496	38.0	51HT5	0.118	3.0	1.402	35.6	2.189	55.6	
51HG2	0.118	3.0	1.402	35.6	4.331	110.0	51HN4	0.098	2.5	0.406	10.3	4.252	108.0	51HT6	0.039	1.0	0.433	11.0	1.181	30.0	
51HG3	0.098	2.5	0.587	14.9	3.465	88.0	51HN5	0.098	2.5	0.406	10.3	3.252	82.6	51HT7	0.079	2.0	0.492	12.5	2.756	70.0	
51HG4	0.030	0.8	0.606	15.4	1.083	27.5	51HN6	0.098	2.5	0.406	10.3	8.752	222.3	51HT9	0.039	1.0	0.768	19.5	0.866	22.0	
51HG5	0.197	5.0	1.031	26.2	3.409	86.6	51HN7	0.098	2.5	0.406	10.3	14.000	355.6	51HV1	0.039	1.0	0.610	15.5	1.378	35.0	
51HG6	0.039	1.0	0.831	21.1	1.969	50.0	51HN8	0.098	2.5	0.406	10.3	16.000	406.4	51HV2	0.126	3.2	1.244	31.6	1.831	46.5	
51HG7	0.039	1.0	0.394	10.0	17.323	440.0	51HN9	0.098	2.5	1.811	46.0	5.098	129.5	51HV3	0.039	1.0	1.811	46.0	2.677	68.0	
51HG8	0.039	1.0	0.394	10.0	21.654	550.0	51HP1	0.098	2.5	1.811	46.0	3.031	77.0	51HV4	0.039	1.0	1.220	31.0	2.661	67.6	
51HG9	0.039	1.0	0.394	10.0	4.488	114.0	51HP2	0.079	2.0	0.594	15.1	2.697	68.5	51HV5	0.039	1.0	0.630	16.0	1.457	37.0	
51HH1	0.059	1.5	1.295	32.9	7.630	193.8	51HP3	0.079	2.0	0.276	7.0	5.299	134.6	51HV6	0.039	1.0	1.693	43.0	4.961	126.0	
51HH2	0.051	1.3	0.843	21.4	2.913	74.0	51HP4	0.079	2.0	0.315	8.0	5.799	147.3	51HV7	0.118	3.0	0.610	15.5	1.827	46.4	
51HH3	0.197	5.0	1.260	32.0	2.047	52.0	51HP5	0.079	2.0	0.315	8.0	7.091	180.1	51HV8	0.236	6.0	0.547	13.9	0.976	24.8	
51HH4	0.079	2.0	0.740	18.8	2.370	60.2	51HP6	0.098	2.5	1.614	41.0	3.031	77.0	51HV9	0.079	2.0	1.693	43.0	3.425	87.0	
51HH5	0.157	4.0	0.571	14.5	2.028	51.5	51HP7	0.236	6.0	0.547	13.9	0.976	24.8	51HW1	0.252	6.4	0.650	16.5	8.681	220.5	
51HH6	0.020	0.5	0.197	5.0	11.752	298.5	51HP8	0.059	1.5	0.831	21.1	0.752	19.1	51HW2	0.252	6.4	0.650	16.5	9.598	243.8	
51HH7	0.059	1.5	0.787	20.0	0.846	21.5	51HP9	0.118	3.0	0.709	18.0	1.890	48.0	51HW3	0.039	1.0	2.516	63.9	1.386	35.2	
51HH8	0.118	3.0	0.787	20.0	0.489	12.4	51HQ1	0.118	3.0	1.504	38.2	5.906	150.0	51HW4	0.106	2.7	0.319	8.1	10.988	279.1	
51HH9	0.039	1.0	1.339	34.0	3.543	90.0	51HQ2	0.079	2.0	1.732	44.0	12.587	319.7	51HW5	0.098	2.5	0.510	13.0	2.835	72.0	
51HJ1	0.079	2.0	1.575	40.0	6.102	155.0	51HQ3	0.039	1.0	0.630	16.0	1.457	37.0	51HW6	0.102	2.6	0.276	7.0	20.000	508.0	
51HJ2	0.039	1.0	0.335	8.5	11.102	282.0	51HQ4	0.079	2.0	0.602	15.3	2.697	68.5	51HW7	0.106	2.7	0.315	8.0	17.346	440.6	
51HJ3	0.079	2.0	1.850	47.0	6.102	155.0	51HQ5	0.039	1.0	0.874	22.2	0.870	22.1	51HW8	0.079	2.0	0.118	3.0	0.618	15.7	
51HJ4	0.059	1.5	0.335	8.5	11.102	282.0	51HQ6	0.118	3.0	0.654	16.6	0.996	25.3	51HW9	0.031	0.8	1.811	46.0	9.110	231.4	
51HJ5	0.059	1.5	0.886	22.5	6.283	159.6	51HQ7	0.039	1.0	0.748	19.0	0.748	19.0	51HX1	0.069	1.8	1.669	42.4	5.839	148.3	
51HJ6	0.079	2.0	0.591	15.0	2.697	68.5	51HQ8	0.039	1.0	1.417	36.0	3.037	77.2	51HX2	0.039	1.0	0.701	17.8	7.760	197.1	
51HJ7	0.118	3.0	1.496	38.0	6.240	158.5	51HQ9	0.059	1.5	0.315	8.0	17.205	437.0	51HX3	0.039	1.0	0.701	17.8	15.862	402.9	
51HJ8	0.079	2.0	1.575	40.0	6.102	155.0	51HR1	0.039	1.0	0.866	22.0	4.882	124.0	51HX4	0.079	2.0	0.780	19.8	2.409	61.2	
51HJ9	0.118	3.0	1.673	42.5	1.630	41.4	51HR2	0.039	1.0	0.630	16.0	2.933	74.5	51HX5	0.039	1.0	0.512	13.0	8.000	203.2	
51HK1	0.118	3.0	0.933	23.7	6.324	160.6	51HR3	0.079	2.0	1.732	44.0	3.504	89.0	51HX6	0.039	1.0	0.315	8.0	4.724	120.0	
51HK2	0.098	2.5	1.669	42.4	5.839	148.3	51HR4	0.079	2.0	1.693	43.0	5.787	147.0	51HX7	0.039	1.0	1.280	32.5	6.370	161.8	
51HK3	0.020	0.5	1.272	32.3	7.087	180.0	51HR5	0.039	1.0	0.492	12.5	1.575	40.0	51HX8	0.039	1.0	0.276	7.0	1.693	43.0	
51HK4	0.079	2.0	1.181	30.0	2.480	63.0	51HR6	0.079	2.0	2.913	74.0	2.923	74.3	51HX9	0.039	1.0	0.276	7.0	1.693	43.0	
51HK5	0.039	1.0	1.291	32.8	4.409	112.0	51HR7	0.157	4.0	0.551	14.0	2.205	56.0	51HY1	0.118	3.0	1.043	26.5	3.189	81.0	
51HK6	0.098	2.5	0.394	10.0	1.181	30.0	51HR8	0.039	1.0	0.433	11.0	1.181	30.0	51HY2	0.039	1.0	0.539	13.7	1.307	33.2	
51HK7	0.157	4.0	0.630	16.0	1.063	27.0	51HR9	0.079	2.0	0.787	20.0	16.850	428.0	51HY3	0.039	1.0	1.028	26.1	1.181	30.0	
51HK8	0.157	4.0	0.709	18.0	1.181	30.0	51HS1	0.079	2.0	0.787	20.0	1.732	44.0	51HY4	0.039	1.0	0.866	22.0	1.378	35.0	
51HK9	0.059	1.5	1.201	30.5	0.650	16.5	51HS2	0.039	1.0	0.630	16.0	1.575	40.0	51HY5	0.039	1.0	1.378	35.0	2.500	63.5	
51HM1	0.039	1.0	1.583	40.2	6.083	154.5	51HS3	0.039	1.0	0.591	15.0	0.984	25.0	51HY6	0.386	9.8	0.500	12.7	20.339	516.6	
51HM2	0.118	3.0	0.630	16.0	0.945	24.0	51HS4	0.039	1.0	0.665	16.9	1.339	34.0	51HY7	0.386	9.8	0.500	12.7	41.583	1056.2	
51HM3	0.079	2.0	0.594	15.1	2.697	68.5	51HS5	0.020	0.5	0.394	10.0	16.378	416.0	51HY8	0.386	9.8	0.500	12.7	67.803	1722.2	
51HM4	0.039	1.0	0.591	15.0	2.165	55.0	51HS6	0.157	4.0	0.551	14.0	17.441	443.0	51HY9	0.079	2.0	0.724	18.4	2.843	72.2	
51HM5	0.118	3.0	0.630	16.0	1.890	48.0	51HS7	0.079	2.0	1.732	44.0	3.504	89.0	51HZ1	0.079	2.0	0.787	20.0	5.354	136.0	
51HM6	0.039	1.0	0.669	17.0	0.521	13.2	51HS8	0.069	1.8	0.484	12.3	N/A	N/A	51HZ2	0.110	2.8	0.551	14.0	17.441	443.0	
51HM7	0.071	1.8	0.559	14.2	0.559	14.2	51HS9	0.157	4.0	0.551	14.0	2.205	56.0	51HZ3	0.039	1.0	0.571	14.5	2.500	63.5	
51HM8	0.039	1.0	0.929	23.6	2.396	60.9	51HT1	0.079	2.0	0.787	20.0	16.850	428.0	51HZ4	0.039	1.0	1.260	32.0	2.665	67.7	
51HM9	0.039	1.0	0.929	23.6	1.890	48.0	51HT2	0.039	1.0	0.827	21.0	4.646	118.0	51HZ5	0.079	2.0	1.614	41.0	2.906	73.8	
51HN1	0.118	3.0	0.591	15.0	0.969	24.6	51HT3	0.039	1.0	0.551	14.0	1.378	35.0	51HZ6	0.020	0.5	1.043	26.5	3.189	81.0	

FOF Gasket (I/O and Others)

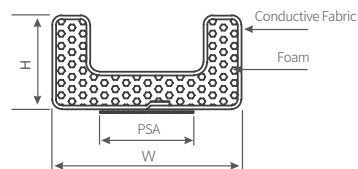
I/O							Custom										
P/N	H(inch:mm)	W(inch:mm)	L(inch:mm)				P/N	H(inch:mm)	W(inch:mm)				P/N	H(inch:mm)	W(inch:mm)		
51HZ7	0.079	2.0	1.142	29.0	4.972	126.3	51Q11	0.201	5.1	0.413	10.5		51Q41	0.079	2.0	0.500	12.7
51HZ8	0.039	1.0	1.035	26.3	1.854	47.1	51Q12	0.346	8.8	0.685	17.4		51Q42	0.146	3.7	0.256	6.5
51HZ9	0.039	1.0	0.618	15.7	0.854	21.7	51Q13	0.106	2.7	0.445	11.3		51Q43	0.059	1.5	0.256	6.5
51H100	0.079	2.0	0.642	16.3	14.291	363.0	51Q14	0.157	4.0	0.386	9.8		51Q44	0.197	5.0	0.673	17.1
51H101	0.079	2.0	1.669	42.4	5.839	148.3	51Q15	0.118	3.0	0.220	5.6		51Q45	0.091	2.3	0.394	10.0
51H102	0.059	1.5	1.248	31.7	1.866	47.4	51Q16	0.118	3.0	0.382	9.7		51Q46	0.098	2.5	0.394	10.0
51H103	0.039	1.0	0.768	19.5	3.898	99.0	51Q17	0.205	5.2	0.287	7.3		51Q47	0.177	4.5	0.433	11.0
51H104	0.039	1.0	0.614	15.6	0.772	19.6	51Q18	0.205	5.2	0.303	7.7		51Q48	0.315	8.0	0.472	12.0
51H105	0.126	3.2	1.260	32.0	14.150	359.4	51Q19	0.283	7.2	0.374	9.5		51Q49	0.079	2.0	0.394	10.0
51H106	0.126	3.2	1.250	31.8	1.831	46.5	51Q20	0.283	7.2	0.268	6.8		51Q50	0.118	3.0	0.394	10.0
51H107	0.118	3.0	1.516	38.5	1.516	38.5	51Q21	0.083	2.1	0.413	10.5		51Q51	0.098	2.5	0.248	6.3
51H108	0.047	1.2	1.516	38.5	1.516	38.5	51Q22	0.083	2.1	0.287	7.3		51Q52	0.122	3.1	0.256	6.5
51H109	0.079	2.0	0.157	4.0	4.921	125.0	51Q23	0.244	6.2	0.268	6.8		51Q53	0.102	2.6	0.197	5.0
51H110	0.039	1.0	0.276	7.0	4.843	123.0	51Q24	0.220	5.6	0.331	8.4		51Q54	0.098	2.5	0.157	4.0
51H111	0.079	2.0	1.063	27.0	5.862	148.9	51Q25	0.276	7.0	0.295	7.5		51Q55	0.236	6.0	0.244	6.2
51H112	0.118	3.0	0.630	16.0	4.724	120.0	51Q26	0.118	3.0	0.394	10.0		51Q56	0.098	2.5	0.319	8.1
51H113	0.386	9.8	0.421	10.7	1.969	50.0	51Q27	0.185	4.7	0.197	5.0		51Q57	0.087	2.2	0.118	3.0
51H114	0.433	11.0	0.079	2.0	0.709	18.0	51Q28	0.354	9.0	0.157	4.0		51Q58	0.118	3.0	0.197	5.0
51H115	0.079	2.0	0.902	22.9	8.000	203.2	51Q29	0.276	7.0	0.236	6.0		51Q59	0.110	2.8	0.197	5.0
51H116	0.118	3.0	0.315	8.0	10.043	255.1	51Q30	0.217	5.5	0.177	4.5		51Q60	0.138	3.5	0.157	4.0
51H117	0.079	2.0	0.630	16.0	0.984	25.0	51Q31	0.110	2.8	0.382	9.7		51Q61	0.091	2.3	0.500	12.7
51H118	0.079	2.0	0.598	15.2	11.953	303.6	51Q32	0.118	3.0	0.319	8.1		51Q62	0.079	2.0	0.295	7.5
51H119	0.039	1.0	0.756	19.2	10.039	255.0	51Q33	0.138	3.5	0.315	8.0		51Q63	0.079	2.0	0.500	12.7
51H120	0.126	3.2	0.591	15.0	15.748	400.0	51Q34	0.098	2.5	0.374	9.5		51Q64	0.079	2.0	0.354	9.0
51H121	0.098	2.5	1.043	26.5	3.189	81.0	51Q35	0.110	2.8	0.618	15.7		51Q65	0.098	2.5	0.406	10.3
51H122	0.110	2.8	0.354	9.0	17.441	443.0	51Q36	0.106	2.7	0.445	11.3		51Q66	0.209	5.3	0.130	3.3
51H123	0.039	1.0	2.413	61.3	4.961	126.0	51Q37	0.150	3.8	0.150	3.8		51Q67	0.154	3.9	0.236	6.0
51H124	0.039	1.0	0.831	21.1	1.969	50.0	51Q38	0.138	3.5	0.374	9.5		51Q68	0.094	2.4	0.354	9.0
51H125	0.039	1.0	0.433	11.0	1.181	30.0	51Q39	0.142	3.6	0.500	12.7		51Q69	0.138	3.5	0.315	8.0
							51Q40	0.098	2.5	0.299	7.6		51Q70	0.091	2.3	0.827	21.0

I/O and Others Series Sketch

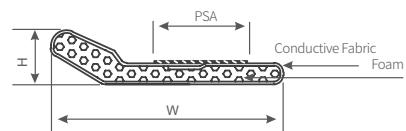
I/O Series Sketch



Concave B



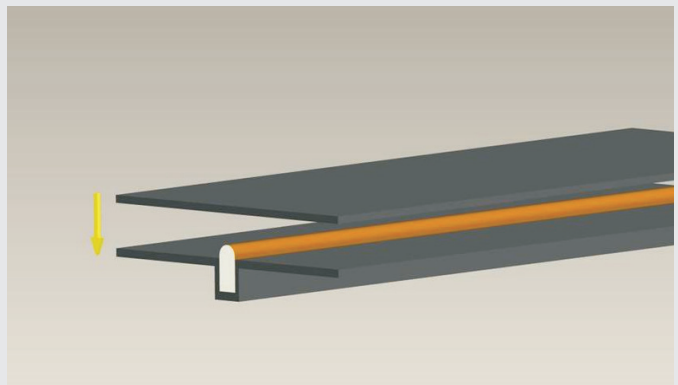
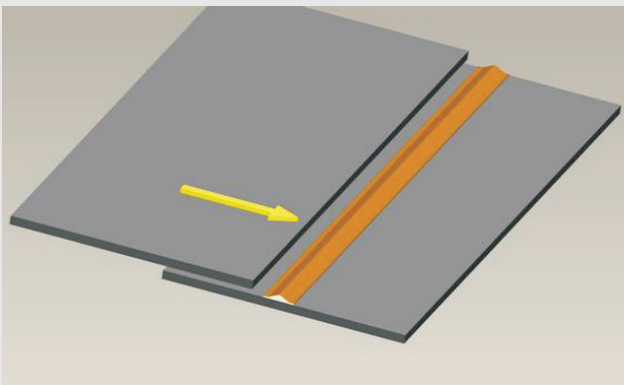
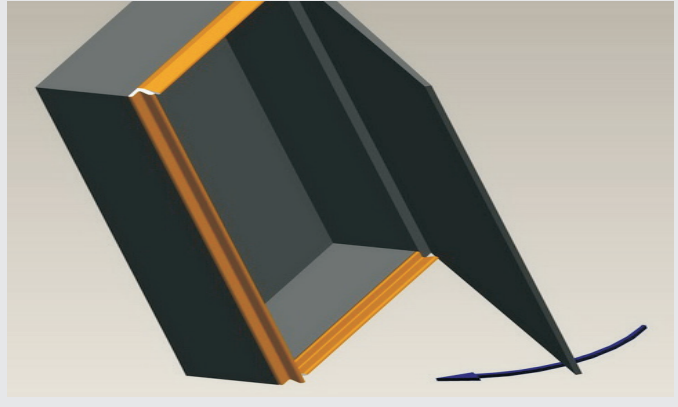
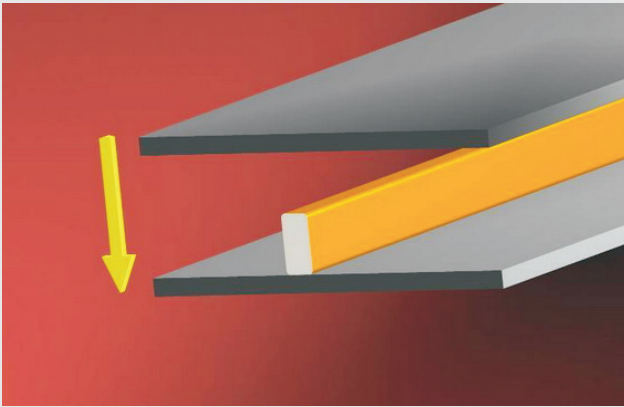
Knife-shaped



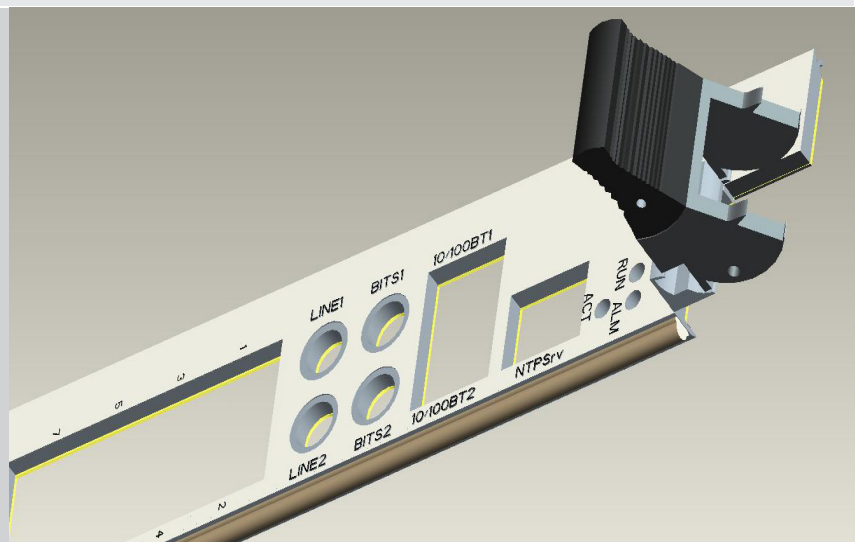
If the directory listed in the content of conductive foam still can not meet your needs, please contact our engineers, we can design and manufacture according to your needs.

The Application of FOF Gaskets

➤ FoF Application of Different Cross-Section Virtual Reality Images



The Actual Assembly
Effect Picture (Pro/E)



Conductive Tape Series



FRD conductive tape series include Copper-foil tape, Aluminum-foil tape, and conductive fabric tape.

Conductive taps are wildly used in devices such as equipments, components, ESD grounding, and EMI shielding, especially in the mobile communication equipments. They are applied to the cell phone for shielding and to its LCD screen and keyboard for purposes of adhesion, fixing, ESD and conductive grounding. They can also be applied to PCB board for fixed grounding and adhesion, and to the built-in antenna interface shielding and bonding fixing.

The FRD conductive tapes, with excellent performance, are the ideal substitutes for some well-known brands. They currently have been largely used by customers.

Conductive Foam

Material Type	Material	Nominal Thickness (mm)	Surface Resistivity ($\Omega/\square$)	Volume Resistivity ($\Omega/\square$)	Shielding At 100MHz/1GHz (dB)	Application
52S03	CF+Cu+CPSA	0.30	≤ 0.20	≤ 0.05	≥ 80	Conductive, Grounding, EMI Shielding
52S05	CF+Cu+CPSA	0.50	≤ 0.20	≤ 0.05	≥ 80	Conductive, Grounding, EMI Shielding
52S08	CF+Cu+CPSA	0.80	≤ 0.20	≤ 0.05	≥ 80	Conductive, Grounding, EMI Shielding
52S10	CF+Cu+CPSA	1.00	≤ 0.20	≤ 0.05	≥ 80	Conductive, Grounding, EMI Shielding
52S15	CF+Cu+CPSA	1.50	≤ 0.20	≤ 0.05	≥ 80	Conductive, Grounding, EMI Shielding
52S20	CF+Cu+CPSA	2.00	≤ 0.20	≤ 0.05	≥ 80	Conductive, Grounding, EMI Shielding
52S25	CF+Cu+CPSA	2.50	≤ 0.20	≤ 0.05	≥ 80	Conductive, Grounding, EMI Shielding
52S30	CF+Cu+CPSA	3.00	≤ 0.20	≤ 0.05	≥ 80	Conductive, Grounding, EMI Shielding
52S35	CF+Cu+CPSA	3.50	≤ 0.20	≤ 0.05	≥ 80	Conductive, Grounding, EMI Shielding
52S40	CF+Cu+CPSA	4.00	≤ 0.20	≤ 0.05	≥ 80	Conductive, Grounding, EMI Shielding
52S45	CF+Cu+CPSA	4.50	≤ 0.20	≤ 0.05	≥ 80	Conductive, Grounding, EMI Shielding
52Q03	CF+CPSA	0.30	≤ 0.20	≤ 0.10	≥ 80	Conductive, Grounding, EMI Shielding
52Q05	CF+CPSA	0.50	≤ 0.20	≤ 0.10	≥ 80	Conductive, Grounding, EMI Shielding
52Q10	CF+CPSA	1.00	≤ 0.20	≤ 0.10	≥ 80	Conductive, Grounding, EMI Shielding
52Q15	CF+CPSA	1.50	≤ 0.20	≤ 0.10	≥ 80	Conductive, Grounding, EMI Shielding
52Q20	CF+CPSA	2.00	≤ 0.20	≤ 0.10	≥ 80	Conductive, Grounding, EMI Shielding
52Q25	CF+CPSA	2.50	≤ 0.20	≤ 0.10	≥ 80	Conductive, Grounding, EMI Shielding
52Q30	CF+CPSA	3.00	≤ 0.20	≤ 0.10	≥ 80	Conductive, Grounding, EMI Shielding
52Q35	CF+CPSA	3.50	≤ 0.20	≤ 0.10	≥ 80	Conductive, Grounding, EMI Shielding
52Q40	CF+CPSA	4.00	≤ 0.20	≤ 0.10	≥ 80	Conductive, Grounding, EMI Shielding
52QH03	CF+CPSA	0.30	≤ 0.20	≤ 0.10	≥ 80	Conductive, Grounding, EMI Shielding
52QH05	CF+CPSA	0.50	≤ 0.20	≤ 0.10	≥ 80	Conductive, Grounding, EMI Shielding
52QS05	CF+CPSA	0.50	≤ 0.20	≤ 0.10	≥ 80	Conductive, Grounding, EMI Shielding
52QS10	CF+CPSA	1.00	≤ 0.20	≤ 0.10	≥ 80	Conductive, Grounding, EMI Shielding

Conductive Tape Series

Conductive Fabric Tape

Material Type	Material	Nominal Thickness (mm)	Surface Resistivity ($\Omega/\square$)	Volume Resistivity ($\Omega/\square$)	Shielding At 100MHz/1GHz (dB)	Application
53B014	Conductive Fabric +CPSA	0.140	≤ 0.10	≤ 0.05	≥ 80	Conductive, EMI Shielding, Heat Dissipation
53B006Y	Conductive Fabric +CPSA	0.060	≤ 0.10	≤ 0.05	≥ 80	Conductive, EMI Shielding, Heat Dissipation
53B011Y	Conductive Fabric +CPSA	0.110	≤ 0.10	≤ 0.05	≥ 80	Conductive, EMI Shielding, Heat Dissipation
53B012Y	Conductive Fabric +CPSA	0.120	≤ 0.10	≤ 0.05	≥ 80	Conductive, EMI Shielding, Heat Dissipation
54B003	Conductive Fabric +CPSA	0.030	≤ 0.10	≤ 0.05	≥ 80	Conductive, EMI Shielding, Heat Dissipation
54B005	Conductive Fabric +CPSA	0.050	≤ 0.10	≤ 0.05	≥ 80	Conductive, EMI Shielding, Heat Dissipation
54B010	Conductive Fabric +CPSA	0.100	≤ 0.10	≤ 0.05	≥ 80	Conductive, EMI Shielding, Heat Dissipation
55B0025	Conductive Fabric +CPSA	0.025	≤ 0.10	≤ 0.05	≥ 80	Conductive, EMI Shielding, Heat Dissipation
54B006Y	Conductive Fabric +CPSA	0.060	≤ 0.10	≤ 0.05	≥ 80	Conductive, EMI Shielding, Heat Dissipation
54B014Y	Conductive Fabric +CPSA	0.140	≤ 0.10	≤ 0.05	≥ 80	Conductive, EMI Shielding, Heat Dissipation
54B005A	CPSA+Conductive Fabric +CPSA	0.050	≤ 0.10	≤ 0.06	≥ 80	Conductive, EMI Shielding, Heat Dissipation
54B010A	CPSA+Conductive Fabric +CPSA	0.100	≤ 0.10	≤ 0.06	≥ 80	Conductive, EMI Shielding, Heat Dissipation
54B015A	CPSA+Conductive Fabric +CPSA	0.150	≤ 0.10	≤ 0.06	≥ 80	Conductive, EMI Shielding, Heat Dissipation
54B020A	CPSA+Conductive Fabric +CPSA	0.200	≤ 0.10	≤ 0.06	≥ 80	Conductive, EMI Shielding, Heat Dissipation
54BB005Y	CPSA+Conductive Fabric +CPSA	0.050	≤ 0.10	≤ 0.05	≥ 80	Conductive, EMI Shielding, Heat Dissipation
54BB007Y	CPSA+Conductive Fabric +CPSA	0.070	≤ 0.10	≤ 0.05	≥ 80	Conductive, EMI Shielding, Heat Dissipation
54BB010Y	CPSA+Conductive Fabric +CPSA	0.100	≤ 0.10	≤ 0.05	≥ 80	Conductive, EMI Shielding, Heat Dissipation
54BB015Y	CPSA+Conductive Fabric +CPSA	0.150	≤ 0.10	≤ 0.05	≥ 80	Conductive, EMI Shielding, Heat Dissipation
54BB005TY	CPSA+Conductive Fabric +CPSA	0.050	≤ 0.10	≤ 0.05	≥ 80	Conductive, EMI Shielding, Heat Dissipation
54BB010TY	CPSA+Conductive Fabric +CPSA	0.100	≤ 0.10	≤ 0.05	≥ 80	Conductive, EMI Shielding, Heat Dissipation
55B003A	CPSA+Conductive Fabric +CPSA	0.030	≤ 0.10	≤ 0.06	≥ 80	Conductive, EMI Shielding, Heat Dissipation

Cu Foil Tape

Material Type	Material	Nominal Thickness (mm)	Surface Resistivity ($\Omega/\square$)	Volume Resistivity ($\Omega/\square$)	Shielding At 100MHz/1GHz (dB)	Application
56B005	Cu Foil+CPSA	0.05	≤ 0.03	≤ 0.06	≥ 80	Conductive, EMI Shielding, Heat Dissipation
56B010	Cu Foil+CPSA	0.10	≤ 0.03	≤ 0.06	≥ 80	Conductive, EMI Shielding, Heat Dissipation
56B003Y	Cu Foil+CPSA	0.030	≤ 0.03	≤ 0.06	≥ 80	Conductive, EMI Shielding, Heat Dissipation
56B005Y	Cu Foil+CPSA	0.050	≤ 0.03	≤ 0.06	≥ 80	Conductive, EMI Shielding, Heat Dissipation
56BB003Y	Cu Foil+CPSA	0.030	≤ 0.03	≤ 0.06	≥ 80	Conductive, EMI Shielding, Heat Dissipation
56B005TY	Cu Foil+CPSA	0.050	≤ 0.03	≤ 0.06	≥ 80	Conductive, EMI Shielding, Heat Dissipation
56C005	Cu Foil+PSA	0.05	≤ 0.03	N/A	N/A	Heat Dissipation
56C010	Cu Foil+PSA	0.10	≤ 0.03	N/A	N/A	Heat Dissipation
56C005AY	Cu Foil+PSA	0.050	≤ 0.03	N/A	N/A	Heat Dissipation
56C005Y	Cu Foil+PSA	0.050	≤ 0.03	N/A	N/A	Heat Dissipation
56C006Y	Cu Foil+PSA	0.060	≤ 0.03	N/A	N/A	Heat Dissipation

Al Foil Tape

Material Type	Material	Nominal Thickness (mm)	Surface Resistivity ($\Omega/\square$)	Volume Resistivity ($\Omega/\square$)	Shielding At 100MHz/1GHz (dB)	Application
57B005	Al Foil+CPSA	0.05	≤ 0.03	≤ 0.06	≥ 80	Conductive, EMI Shielding, Heat Dissipation
57B010	Al Foil+CPSA	0.10	≤ 0.03	≤ 0.06	≥ 80	Conductive, EMI Shielding, Heat Dissipation
57C004	Al Foil+PSA	0.04	≤ 0.03	N/A	N/A	Heat Dissipation
57C009	Al Foil+PSA	0.09	≤ 0.03	N/A	N/A	Heat Dissipation