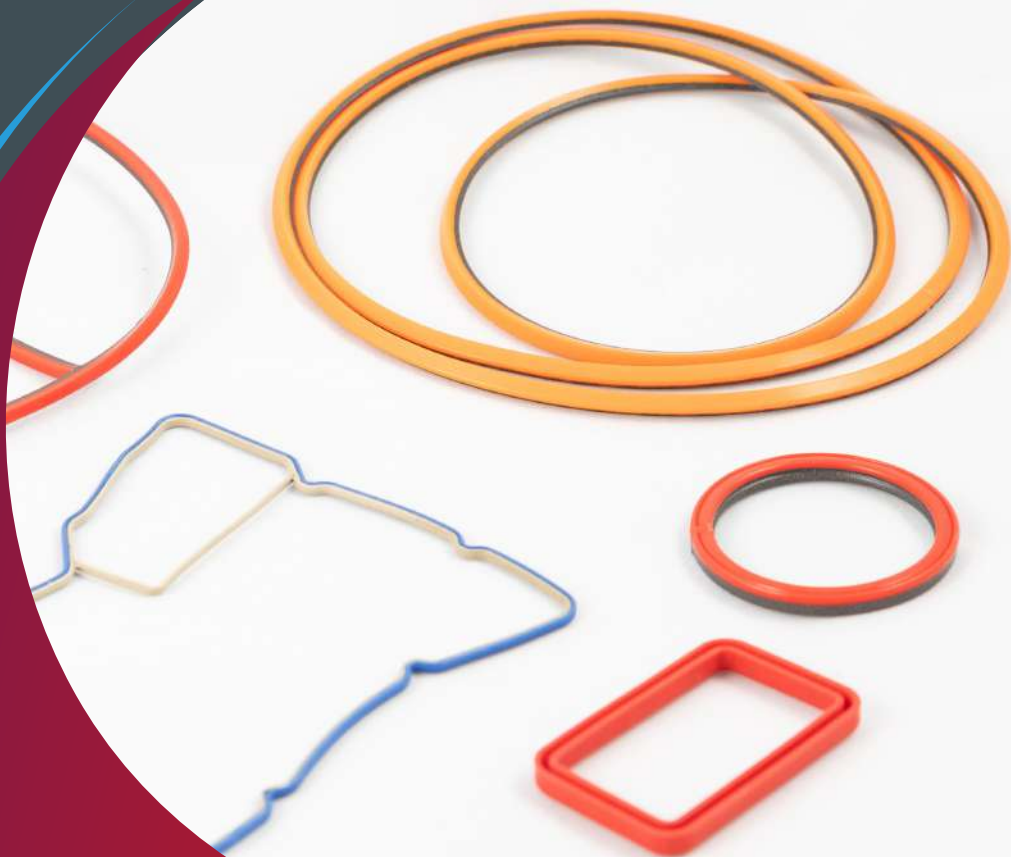


ELECTROMAGNETIC COMPATIBILITY
& THERMAL MANAGEMENT

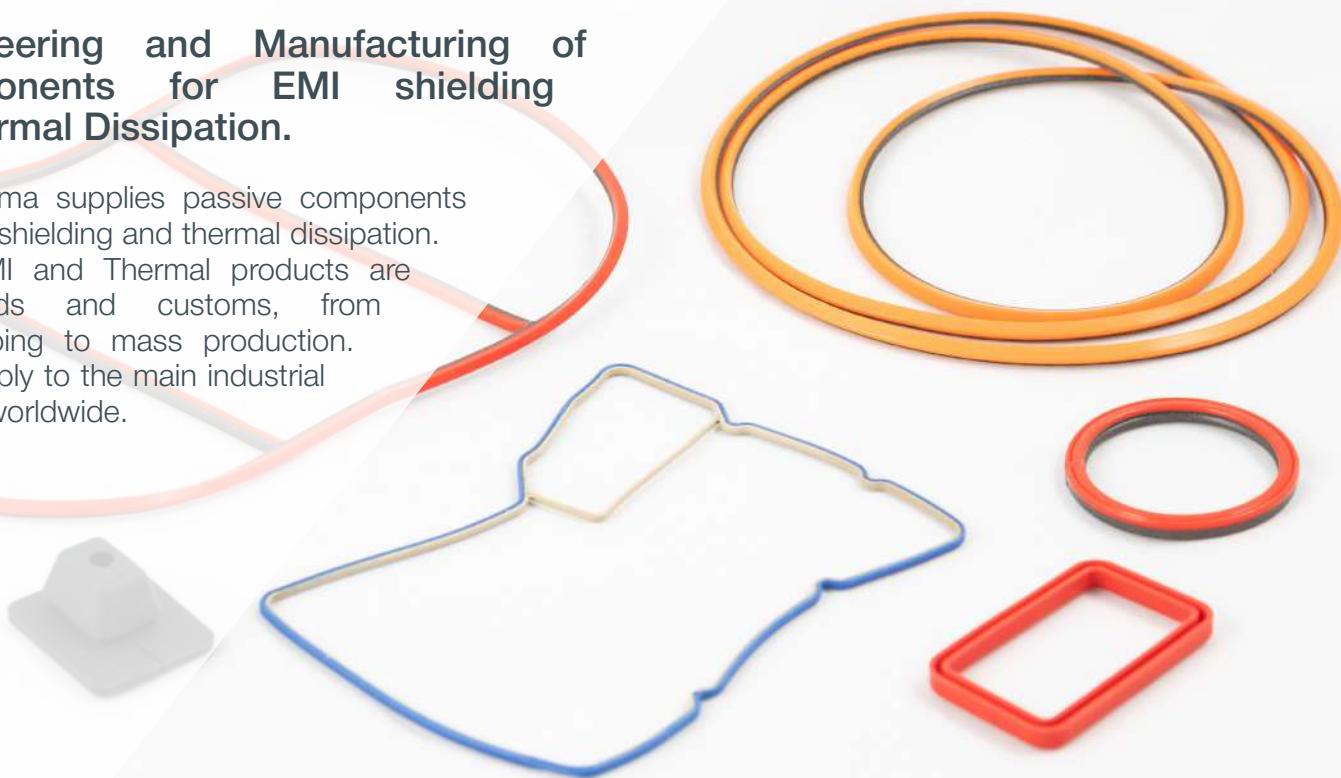


EMI SHIELDING
SILICONE GASKETS

CATALOGUE 2025

Engineering and Manufacturing of components for EMI shielding & Thermal Dissipation.

Compelma supplies passive components for EMI shielding and thermal dissipation. Our EMI and Thermal products are standards and customs, from prototyping to mass production. We supply to the main industrial actors worldwide.



EMI SHIELDING SILICONE GASKETS

SILICONE GASKETS & LOADED SILICONE

p.3 - p.5

SILVER ALUMINIUM SILICONE	p.3
NIKEL CARBONE SILICONE	p.4
SILVER COPPER SILICONE	p.5

MOLDED SHEETS, EXTRUDED & HOLLOW GASKETS

p.6 - p.17

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U SHAPES, V SHAPES, HOLLOW RECTANGLE & M SHAPES	p.15
OTHER SHAPES	p.16-17

TOLERANCES OF EXTRUDED PROFILES

Dimension of extruded profiles	Tolerance
< 1,57	+/- 0,10
1,57 to 9,00	+/- 0,20
9,00 to 12,70	+/- 0,25
> 12,70	+/- 3%
Dimension of extruded profiles	Tolerance
< 25,40	+/- 0,50
25,40 to 400	+/- 1,00
> 400	+/- 0,20%


TECHNICAL SPECIFICATIONS OF XX-SA
SILVER ALUMINIUM SILICONE
Ag/Al Silicone/ Fluorosilicone Series
Property

1. Shielding effectiveness 90~110db
2. Operating temperature : -55~160°C, Max 200°C
3. Used in corrosive environments and resistant to salt spray
4. Good resistance to EMP (electromagnetic pulse)
5. EMI sealed elastomers for typical military/aerospace applications
6. Appearance can be custom made in blue,yellow,black

PROPERTY	TEST PROCEDURE	XX-SA
Conductive filler		Ag/Al
Elastomer binder		Silicone
Volume resistivity, ohm-cm, max	MIL-G-83528	0.006
Specific gravity, g/cm3	GB/T531-1999	1.95
Hardness/shore A	GB/T533-1991	65 ± -10
Tensile strength/MPa	GB/T528-1998	>1.5
Elongation at break/% min/max	GB/T528-1998	100-300
Compression set,70hrs@100°C,% max	ASTM D395	32
Low temperature flex TR10, °C,min	MIL-G-83528	-55
Maximum continuous use temperature, °C	MIL-G-83528	155
Heat aging, volume resistivity, ohm-cm, max	MIL-G-83528	0.008
Shielding effectiveness, dB, min	MIL-G-83528	
200kHz(H Field)		100
100MHz(E Field)		105
500MHz(E Field)		110
2GHz(Plane Wave)		110
10GHz(Plane Wave)		90

Heat aging condition : 150°C/48hrs



TECHNICAL SPECIFICATIONS OF XX-MNC1

NICKEL CARBONE SILICONE

Conductive elastomer - Ni/C Silicone/Fluorosilicone Series

Property

1. Shielding effectiveness > 80db
2. Operating temperature : -45~150°C
3. Good shielding performance in moderately corrosive environment
4. High performance for typical civil and military/aerospace applications
5. The appearance of product is gray or black

PROPERTY	TEST PROCEDURE	XX MNC1
Conductive filler		NI/C
Elastomer binder		Silicone
Volume resistivity, ohm-cm, max	MIL-G-83528	< 0.12
Specific gravity, g/cm3	GB/T531-1999	2.05 ± 0.1
Hardness/shore A	GB/T533-1991	65 ± -10
Tensile strength/MPa	GB/T528-1998	>1.0
Elongation at break/%	GB/T528-1998	100-300
Compression set,70hrs@100°C,% max	ASTM D395	<30
Low temperature flex TR10,°C,min	MIL-G-83528	-55
Maximum continuous use temperature, °C	MIL-G-83528	150
Heat aging, volume resistivity, ohm-cm, max	MIL-G-83528	0.15
Shielding effectiveness, dB, min	MIL-G-83528	
	200kHz(H Field)	80
	100MHz(E Field)	90
	500MHz(E Field)	100
	2GHz(Plane Wave)	90
	10GHz(Plane Wave)	85

Heat aging condition : 150°C/48hrs


TECHNICAL SPECIFICATIONS OF XX-SC1
SILVER COPPER SILICONE

Conductive elastomer - Ag/Copper Silicone Series

Property

1. Shielding effectiveness 80~100db
2. Operating temperature : -55~160°C
3. Used in non corrosive environment, excellent performance, high cost performance
4. Do not use in EMP environments
5. Used for EMI protection in typical civil and non EMP military environments
6. Normally color is natural color (beige), can be customized

PROPERTY	TEST PROCEDURE	XX-SC1
Elastomer binder		Silicone
Conductive filler		Cu/Ag
Specific gravity, g/cm ³	ASTM792	3.5±0.5
Hardness/shore A	ASTM2240	65 ± -10
Tensile strength/MPa	ASTM412	>1.5
Elongation at break/%	ASTM412	>120
Temperature range/ °C	MIL-83528	-55~160
Volume resistivity/ Ω-cm	MIL-83528	<0.004
Volume resistivity after aging/ Ω-cm	MIL-83528	<0.01
Average shielding effectiveness/dB	MIL-83528	>100
Compression times	MIL-G-83528	>100,000
Shielding effectiveness, dB, min	MIL-G-83528	
	200kHz(H Field)	100
	100MHz(E Field)	110
	500MHz(E Field)	120
	2GHz(Plane Wave)	120
	10GHz(Plane Wave)	110


SHEETS SIZES

N°	W (mm±2.0)	L (mm±2.0)	T (mm±0.13)
0404-	100	100	1.0
	100	100	2.0
0707-	200	200	0.51
	200	200	0.81
	200	200	1.50
0716-	200	400	0.81
	200	400	1.0
	200	400	1.50
0719-	200	500	5.00
1010-	254	254	0.51
	254	254	0.81
	254	254	1.02
	254	254	1.14
	254	254	1.57
	254	254	2.03
	254	254	2.36
	254	254	3.62
	254	254	3.18
0911	246	298	0.3
1015	254	381	0.51
	254	381	0.81
	254	381	1.02
	254	381	1.14
	254	381	1.20
	254	381	1.57
	254	381	2.03
	254	381	2.36
	254	381	3.18
1020	254	508	0.51
	254	508	0.81
	254	508	1.02
	254	508	1.14
	254	508	1.57
	254	508	2.03
	254	508	2.36
	254	508	3.18
	254	508	3.18


SHEETS SIZES

N°	W (mm±2.0)	L (mm±2.0)	T (mm±0.13)
1212	305	305	0.51
	305	305	0.81
	305	305	1.02
	305	305	1.57
	305	305	2.03
1313	310	310	0.51
	310	310	0.81
1218	305	457	0.51
	305	457	0.81
	305	457	1.00
	305	457	1.57
	305	457	2.00
	305	457	2.36
0404-	381	457	0.51


MOLDED O RINGS SIZES


N°	(ID) /mm	(CS) /mm
1	1.25	0.40
2	2.75	0.75
3	2.80	0.80
4	3.50	1.00
5	4.00	1.00
6	4.40	1.00
7	6.00	1.50
8	6.00	1.00
9	6.50	1.80
10	8.00	1.00
11	9.00	1.50
12	9.00	1.30
13	10.00	1.00
14	10.00	1.50
15	10.00	1.20
16	10.00	1.60
17	10.00	1.80
18	10.00	1.30
19	10.00	1.00
20	11.80	1.80
21	14.00	1.80


MOLDED O RINGS SIZES

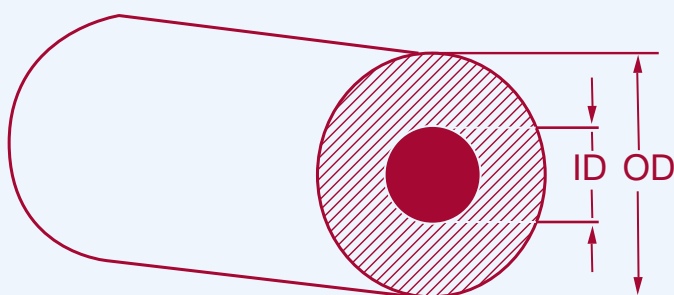
N°	(ID) /mm	(CS) /mm
22	14.00	1.20
23	14.00	1.50
24	14.00	1.20
25	15.49	1.78
26	15.50	2.00
27	16.00	1.00
28	16.00	2.65
29	16.80	2.00
30	17.50	1.80
31	18.00	1.80
32	18.00	1.00
33	18.00	2.65
34	18.00	2.65
35	18.54	1.78
36	22.40	2.65
37	23.00	2.00
38	24.80	2.00
39	25.00	2.65
40	25.12	1.78
41	25.50	2.00
42	26.00	2.65
43	28.00	2.65
44	31.50	4.50
45	31.80	2.00
46	32.00	2.65
47	36.50	2.65
48	45.00	4.00
49	54.05	4.80

EXTRUDED SOLID O SHAPE SIZES

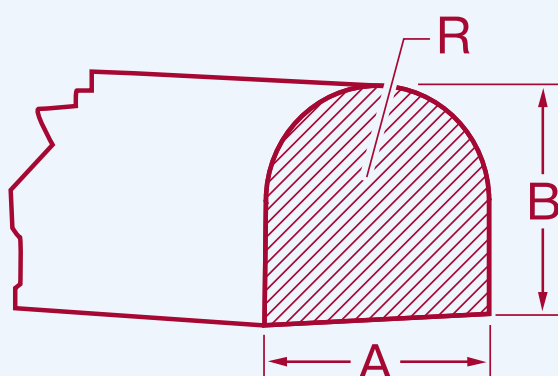

It can be custom made
and size range should
be Ø0.6-13mm.

P/N	(Dia)/mm	Recommended groove dimensions	
		Depth/mm	Width/mm
BRL-E 000XE-S0060Y	0.60	0.42	0.90
BRL-E 000XE-S0080Y	0.80		
BRL-E 000XE-S0090Y	0.90	0.63	1.35
BRL-E 000XE-S0100Y	1.00		
BRL-E 000XE-S0110Y	1.10	0.83	1.44
BRL-E 000XE-S0120Y	1.20	0.90	1.57
BRL-E 000XE-S0128Y	1.28	0.96	1.67
BRL-E 000XE-S0135Y	1.35	1.01	1.77
BRL-E 000XE-S0143Y	1.43		
BRL-E 000XE-S0153Y	1.53		
BRL-E 000XE-S0157Y	1.57	1.22	1.98
BRL-E 000XE-S0159Y	1.59		
BRL-E 000XE-S0167Y	1.67		
BRL-E 000XE-S0172Y	1.72		
BRL-E 000XE-S0178Y	1.78	1.42	2.05
BRL-E 000XE-S0180Y	1.80		
BRL-E 000XE-S0184Y	1.84	1.47	2.12
BRL-E 000XE-S0203Y	2.03	1.62	2.34
BRL-E 000XE-S0210Y	2.10	1.68	2.42
BRL-E 000XE-S0220Y	2.20	1.78	2.40
BRL-E 000XE-S0230Y	2.30	1.86	2.50
BRL-E 000XE-S0236Y	2.36	1.91	2.57
BRL-E 000XE-S0660Y	6.60	5.41	6.87
BRL-E 000XE-S0680Y	6.80	5.58	7.08
BRL-E 000XE-S0780Y	7.80	6.40	8.10
BRL-E 000XE-S0800Y	8.00	6.56	8.32

P/N	(Dia)/mm	Recommended groove dimensions	
		Depth/mm	Width/mm
BRL-E 000XE-S1000Y	10.00	8.20	10.41
BRL-E 000XE-S1320Y	13.20	10.83	13.59
BRL-E 000XE-S0240Y	2.40	1.94	2.61
BRL-E 000XE-S0258Y	2.58		
BRL-E 000XE-S0262Y	2.62	2.12	2.82
BRL-E 000XE-S0284Y	2.84	2.30	3.06
BRL-E 000XE-S0290Y	2.90		
BRL-E 000XE-S0300Y	3.00		
BRL-E 000XE-S0312Y	3.12		
BRL-E 000XE-S0318Y	3.18	2.61	3.42
BRL-E 000XE-S0353Y	3.53	2.89	3.75
BRL-E 000XE-S0381Y	3.81	3.12	4.05
BRL-E 000XE-S0400Y	4.00		
BRL-E 000XE-S0412Y	4.12		
BRL-E 000XE-S0425Y	4.25	3.49	4.52
BRL-E 000XE-S0480Y	4.80		
BRL-E 000XE-S0500Y	4.95	4.10	5.32
BRL-E 000XE-S0540Y	5.40	4.43	5.62
BRL-E 000XE-S0549Y	5.49	4.50	5.71
BRL-E 000XE-S0568Y	5.68		
BRL-E 000XE-S0585Y	5.85		
BRL-E 000XE-S0598Y	5.98		
BRL-E 000XE-S0600Y	6.00	4.92	6.24
BRL-E 000XE-S0640Y	6.40	5.25	6.66
BRL-E 000XE-S1500Y	15.00	12.30	15.44
BRL-E 000XE-S0700Y	7.00	5.74	7.28
BRL-E 000XE-S0792Y	7.92	6.50	8.20
BRL-E 000XE-S0826Y	8.26	6.78	8.60
BRL-E 000XE-S1280Y	12.80	10.50	13.17

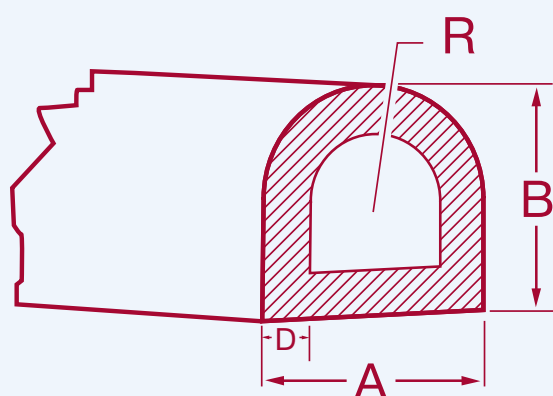

HOLLOW O SHAPE SIZES


P/N	OD/mm	ID/mm	Recommended groove dimensions		P/N	OD/mm	ID/mm	Recommended groove dimensions	
			Depth/mm	Width/mm				Depth/mm	Width/mm
BRL-E 000XE-H01023Y	1.02	0.33	0.74	1.34	BRL-E 000XE-H02800Y	2.80	1.00		
BRL-E 000XE-H01025Y	1.02	0.51	0.74	1.34	BRL-E 000XE-H02901Y	2.90	2.10		
BRL-E 000XE-H01206Y	1.20	0.60	0.88	1.52	BRL-E 000XE-H03000Y	3.00	2.00		
BRL-E 000XE-H01355Y	1.35	0.51	0.99	1.67	BRL-E 000XE-H03005Y	3.00	1.50	2.37	3.28
BRL-E 000XE-H01357Y	1.35	0.76			BRL-E 000XE-H03150Y	3.15	1.00		
BRL-E 000XE-H01456Y	1.45	0.60	1.06	1.79	BRL-E 000XE-H03181Y	3.18	1.14	2.51	3.47
BRL-E 000XE-H01506Y	1.50	0.60	1.10	1.85	BRL-E 000XE-H03201Y	3.20	1.14		
BRL-E 000XE-H01606Y	1.60	0.60			BRL-E 000XE-H03202Y	3.20	2.10		
BRL-E 000XE-H01577Y	1.57	0.76	1.18	1.83	BRL-E 000XE-H03401Y	3.40	1.14	2.69	3.71
BRL-E 000XE-H01578Y	1.57	0.89	1.18	1.83	BRL-E 000XE-H03558Y	3.55	1.80	2.80	3.88
BRL-E 000XE-H01787Y	1.78	0.76	1.34	2.07	BRL-E 000XE-H03703Y	3.70	2.30	2.92	4.04
BRL-E 000XE-H01908Y	1.90	0.80			BRL-E 000XE-H04000Y	4.00	2.00		
BRL-E 000XE-H02005Y	2.00	1.50	1.50	2.33	BRL-E 000XE-H04005Y	4.00	2.50	3.20	4.22
BRL-E 000XE-H02037Y	2.03	0.76	1.52	2.36	BRL-E 000XE-H04485Y	4.48	2.50	3.58	4.73
BRL-E 000XE-H02030Y	2.03	1.02	1.52	2.36	BRL-E 000XE-H04830Y	4.83	2.03	3.86	5.10
BRL-E 000XE-H02035Y	2.03	0.51	1.52	2.36	BRL-E 000XE-H05333Y	5.33	2.36	4.26	5.62
BRL-E 000XE-H02090Y	2.09	1.02			BRL-E 000XE-H05800Y	5.80	3.00		
BRL-E 000XE-H02150Y	2.15	1.02	1.68	2.38	BRL-E 000XE-H02150Y	2.15	1.02	1.68	2.38
BRL-E 000XE-H02200Y	2.20	1.02	1.72	2.43	BRL-E 000XE-H06000Y	6.00	4.00		
BRL-E 000XE-H02303Y	2.30	1.30	1.72	2.43	BRL-E 000XE-H06450Y	6.45	3.00		
BRL-E 000XE-H02352Y	2.35	1.27	1.83	2.60	BRL-E 000XE-H06912Y	6.91	5.20		
BRL-E 000XE-H02360Y	2.36	1.02	1.84	2.61	BRL-E 000XE-H07000Y	7.00	4.00		
BRL-E 000XE-H02505Y	2.50	1.50			BRL-E 000XE-H07805Y	7.80	4.50	6.24	8.14
BRL-E 000XE-H02547Y	2.54	1.78	1.98	2.81	BRL-E 000XE-H07929Y	7.92	2.92	6.34	8.27
BRL-E 000XE-H02624Y	2.62	1.40	2.04	2.90	BRL-E 000XE-H08004Y	8.00	5.40	6.40	8.35
BRL-E 000XE-H02686Y	2.68	1.62	2.09	2.96	BRL-E 000XE-H10006Y	10.00	6.00	8.00	10.33
					BRL-E 000XE-H1251Y	12.50	10.00		
					BRL-E 000XE-H02625Y	2.62	1.52	2.04	2.90
					BRL-E 000XE-H02686Y	2.68	1.62	2.09	2.96
					BRL-E 000XE-H02840Y	2.84	1.02	2.22	3.14


EXTRUDED SOLID D TYPE SIZES


Custom profile on demand.
 Width between 0.8mm and 13mm
 Height between 0.8mm and 13mm

P/N	A/mm	B/mm	R/mm	Depth/mm	Width/mm
BRL-E 000XE-D1020Y	0.85	1.9	0.43	1.66	1.16
BRL-E 000XE-D1021Y	1.00	2.00	0.50	1.85	1.28
BRL-E 000XE-D1001Y	1.40	1.60	0.70	1.39	1.72
BRL-E 000XE-D1002Y	1.57	1.73	0.78	1.49	1.93
BRL-E 000XE-D1003Y	0.90	1.33	0.45	1.02	1.20
BRL-E 000XE-D1004Y	1.57	2.54	0.78	2.27	1.93
BRL-E 000XE-D1005Y	1.59	1.75	0.79	1.51	1.85
BRL-E 000XE-D1006Y	1.90	4.50	0.95	3.74	2.25
BRL-E 000XE-D1007Y	1.98	2.39	0.99	2.09	2.29
BRL-E 000XE-D1008Y	2.00	2.00	1.00	1.70	2.33
BRL-E 000XE-D1009Y	2.01	2.29	1.00		
BRL-E 000XE-D1010Y	1.98	2.26	0.99	1.96	2.29
BRL-E 000XE-D1011Y	2.39	1.98	1.19	1.62	2.76
BRL-E 000XE-D1012Y	2.39	2.39	1.19	2.03	2.73
BRL-E 000XE-D1013Y	2.60	2.90	1.30	2.51	2.95
BRL-E 000XE-D1014Y	2.77	3.17	1.38	2.75	3.21
BRL-E 000XE-D1015Y	3.10	3.43	1.55	2.97	3.60
BRL-E 000XE-D1016Y	2.50	1.60	1.25	1.29	2.87
BRL-E 000XE-D1017Y	4.52	4.43	2.26		
BRL-E 000XE-D1018Y	4.75	4.75	2.37		
BRL-E 000XE-D1019Y	6.35	6.35	3.17	5.40	7.02
BRL-E 000XE-D1042Y	6.45	6.35	3.53	5.38	6.99
BRL-E 000XE-D1043Y	7.92	7.92	3.96	6.73	8.58
BRL-E 000XE-D1044Y	8.00	9.0	4.00	7.80	8.61
BRL-E 000XE-D1045Y	9.50	6.4	4.75	5.45	10.19
BRL-E 000XE-D1046Y	10.00	13.00	5.00	11.50	10.69
BRL-E 000XE-D1050Y	10.00	7.00	5.00	5.50	11.46
BRL-E 000XE-D1047Y	10.70	10.40	5.35	8.80	12.10
BRL-E 000XE-D1048Y	10.60	10.70	5.30	8.56	12.46

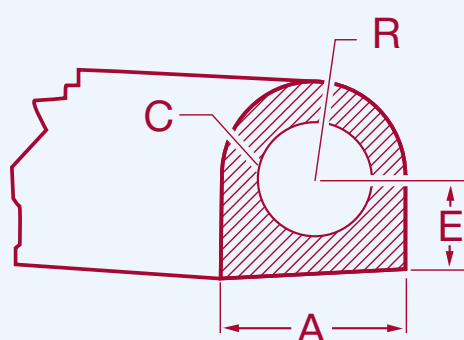

EXTRUDED D TYPE SIZES


Custom profiles on demand.
 Width between 0.8mm and 13mm
 Height between 0.8mm and 13mm
 Thickness ≥ 0.3 mm

P/N	A/mm	B/mm	C/mm	R/mm	Recommended groove dimensions	
					Depth/mm	Width/mm
BRL-E 000XE-D2101Y	1.45	0.88	0.40	0.73	1.38	1.78
BRL-E 000XE-D2102Y	2.00	1.00	0.50	1.00	1.70	2.33
BRL-E 000XE-D2103Y	2.00	1.30	0.50	1.00	2.00	2.32
BRL-E 000XE-D2104Y	2.77	3.17	0.60	1.39	2.75	3.17
BRL-E 000XE-D2105Y	3.00	2.46	0.70	1.50	3.51	3.42
BRL-E 000XE-D2108Y	3.18	2.38	0.80	1.59	3.48	3.59
BRL-E 000XE-D2109Y	3.92	1.96	1.00	1.96	3.33	4.38
BRL-E 000XE-D2110Y	4.78	2.39	1.20	2.39	4.06	5.23
BRL-E 000XE-D2111Y	5.26	2.12	1.27	2.63	3.96	5.79
BRL-E 000XE-D2112Y	5.26	2.12	1.57	2.63	3.96	5.79
BRL-E 000XE-D2113Y	5.94	3.39	1.10	2.97	5.47	6.47
BRL-E 000XE-D2114Y	6.35	3.18	0.50	3.18	5.40	6.87
BRL-E 000XE-D2115Y	6.35	3.18	1.57	3.18		
BRL-E 000XE-D2116Y	7.92	3.96	1.57	3.96	6.73	8.49
BRL-E 000XE-D2117Y	7.92	3.96	1.27	3.96		
BRL-E 000XE-D2118Y	8.00	5.00	1.00	4.00	7.80	8.52
BRL-E 000XE-D2119Y	9.50	1.65	1.30	4.75	4.98	10.48
BRL-E 000XE-D2120Y	10.00	8.00	2.00	5.00	6.00	12.15
BRL-E 000XE-D2121Y	10.70	5.45	1.00	5.35	9.20	11.34
BRL-E 000XE-D2127Y	10.60	5.4	1.00	5.30	9.11	10.58



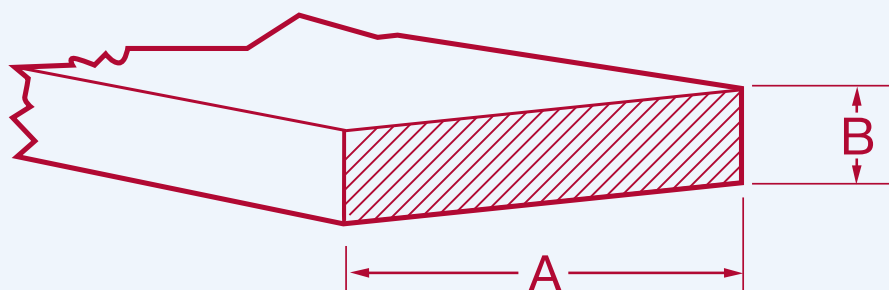
EXTRUDED D TYPE SIZES



P/N	A/mm	B/mm	C/mm	R/mm	Recommended groove dimensions	
					Depth/mm	Width/mm
BH-E 0000XE-D2144Y	1.60	0.90	0.60	0.80	1.25	2.00
BH-E 0000XE-D2126Y	2.00	1.00	1.00	1.00	1.70	2.12
BH-E 0000XE-D2124Y	2.00	1.30	0.90	1.00	2.00	2.32
BH-E 0000XE-D2128Y	2.00	2.00	1.00	1.00	1.97	2.33
BH-E 0000XE-D2125Y	2.30	1.20	1.00	1.15	2.01	2.44
BH-E 0000XE-D2146Y	2.49	1.25	0.80	1.25	2.12	2.87

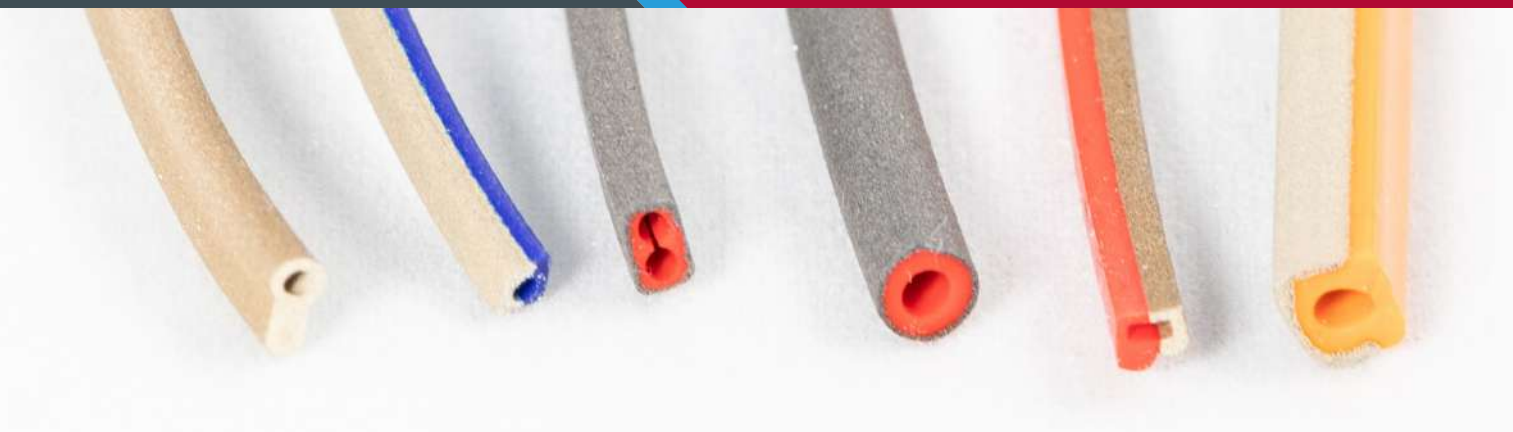


RECTANGULAR TYPE SIZES

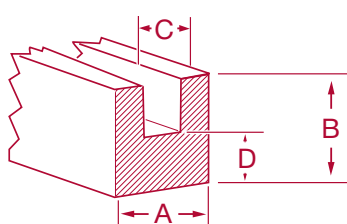


It can be custom made,
and size range should be :
 $A \geq 0.8\text{mm}$
 $B \geq 0.4\text{mm}$

P/N	A/mm	B/mm	Recommended groove dimensions		
			A/mm	B/mm	
BRL-E 000XE-R0144Y	1.49	1.48	BRL-E 000XE-R0374Y	3.70	1.40
BRL-E 000XE-R0160Y	1.60	1.07	BRL-E 000XE-R0406Y	4.00	1.60
BRL-E 000XE-R0205Y	2.00	0.50	BRL-E 000XE-R0401Y	4.00	1.00
BRL-E 000XE-R0202Y	2.00	2.00	BRL-E 000XE-R0402Y	4.00	2.00
BRL-E 000XE-R0203Y	2.00	1.30	BRL-E 000XE-R0451Y	4.50	1.00
BRL-E 000XE-R0245Y	2.41	1.90	BRL-E 000XE-R0482Y	4.80	3.20
BRL-E 000XE-R02559Y	2.50	1.57	BRL-E 000XE-R0507Y	5.00	2.75
BRL-E 000XE-R0299Y	2.92	0.98	BRL-E 000XE-R0508Y	5.00	0.80
BRL-E 000XE-R0301Y	3.00	1.00	BRL-E 000XE-R0525Y	5.20	3.50
BRL-E 000XE-R0305Y	3.00	2.50	BRL-E 000XE-R0535Y	5.35	1.57
BRL-E 000XE-R0302Y	3.00	2.00	BRL-E 000XE-R0601Y	6.00	1.00
BRL-E 000XE-R0307Y	3.00	0.70	BRL-E 000XE-R0638Y	6.35	0.81
BRL-E 000XE-R0309Y	3.05	1.91	BRL-E 000XE-R0635Y	6.35	1.57
BRL-E 000XE-R0312Y	3.10	2.00	BRL-E 000XE-R0637Y	6.35	1.00
BRL-E 000XE-R0313Y	3.18	2.36	BRL-E 000XE-R0633Y	6.35	1.75
BRL-E 000XE-R0315Y	3.18	1.57	BRL-E 000XE-R0801Y	8.00	1.75
BRL-E 000XE-R0310Y	3.18	1.02	BRL-E 000XE-R0907Y	9.00	1.75
BRL-E 000XE-R0314Y	3.18	2.40	BRL-E 000XE-R0917Y	9.10	0.77
BRL-E 000XE-R0320Y	3.24	1.03	BRL-E 000XE-R1027Y	10.25	1.08
BRL-E 000XE-R0374Y	3.70	1.40	BRL-E 000XE-R1300Y	13.00	1.00
BRL-E 000XE-R0401Y	4.00	1.00	BRL-E 000XE-R1501Y	15.00	2.54
BRL-E 000XE-R0406Y	4.00	1.60	BRL-E 000XE-R1573Y	15.75	3.18
BRL-E 000XE-R0421Y	4.25	1.15	BRL-E 000XE-R2005Y	20.00	1.50
BRL-E 000XE-R0451Y	4.50	1.00	BRL-E 000XE-R2605Y	26.00	1.57
BRL-E 000XE-R0482Y	4.80	3.20	BRL-E 000XE-R2615Y	26.10	1.57
BRL-E 000XE-R0508Y	5.00	0.80	BRL-E 000XE-R2645Y	26.40	1.57
BRL-E 000XE-R0507Y	5.00	2.75	BRL-E 000XE-R2975Y	29.70	1.57
BRL-E 000XE-R0523Y	5.20	3.50	BRL-E 000XE-R3005Y	30.00	1.57
BRL-E 000XE-R0535Y	5.35	1.57	BRL-E 000XE-R3003Y	30.00	3.00
BRL-E 000XE-R0601Y	6.00	1.00	BRL-E 000XE-R4003Y	40.00	3.00
BRL-E 000XE-R0635Y	6.35	0.51			

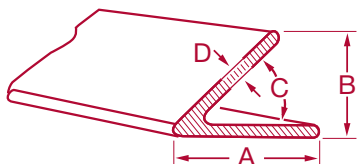


U SHAPE SIZES



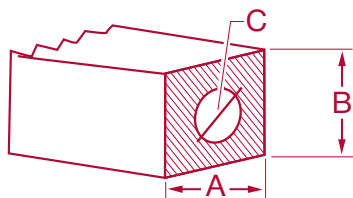
P/N	A/mm	B/mm	D/mm	C/mm
BRL-E 000XE-U3001Y	2.54	2.54	1.52	0.80
BRL-E 000XE-U3008Y	2.54	3.10	1.02	0.80
BRL-E 000XE-U3009Y	3.00	3.50	0.65	0.51
BRL-E 000XE-U3010Y	3.20	5.72	1.94	0.50
BRL-E 000XE-U3011Y	3.91	3.89	2.25	2.00
BRL-E 000XE-U3012Y	4.45	3.96	1.85	1.20
BRL-E 000XE-U3007Y	8.13	8.00	5.00	4.90
BRL-E 000XE-U3002Y	9.53	12.70	3.18	4.90

V SHAPE SIZES



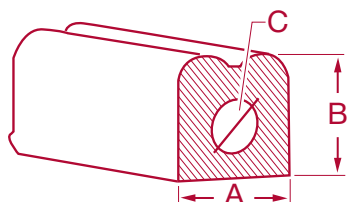
P/N	A/mm	B/mm	C/°	D/mm
BRL-E 000XE-V4001Y	9.30	8.43	36.00	1.50
BRL-E 000XE-V4002Y	13.26	14.17	36.00	1.52

HOLLOW RECTANGLE SHAPE SIZES



P/N	A/mm	B/mm	C/mm
BRL-E 000XE-R5001Y	2.00	2.00	1.00
BRL-E 000XE-R5002Y	3.10	2.00	2.28*0.85
BRL-E 000XE-R5003Y	1.48	1.49	0.51

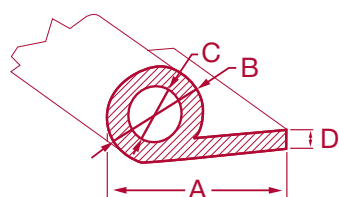
HOLLOW M SHAPE SIZES



P/N	A/mm	B/mm	C/mm
BRL-E 000XE-MS2728Y	2.70	2.80	1.20
BRL-E 000XE-MS1723Y	1.70	2.30	0.80

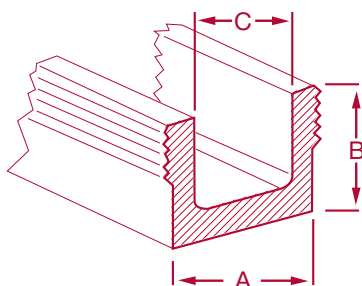


P SHAPE SIZE



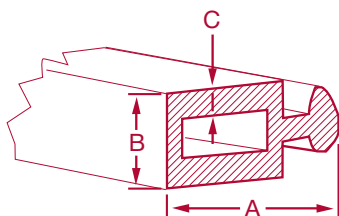
P/N	A/mm	B/mm	D/mm	C/mm
BRL-E 000XE-P6001Y	13.1	6.13	3.00	1.45

U SHAPE SIZE

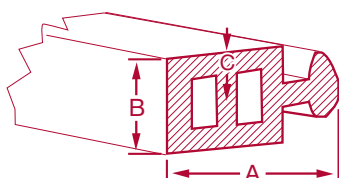


P/N	A/mm	B/mm	C/mm
BRL-E 000XE-U3101Y	14.00	9.50	8.60

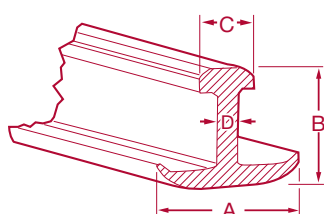
OTHERS SHAPES SIZES



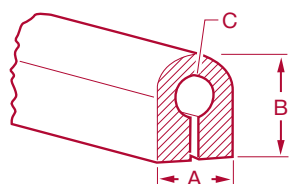
P/N	A/mm	B/mm	C/mm
BRL-E 000XE-T8942Y	8.90	4.20	1.20



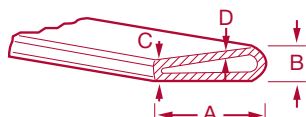
P/N	A/mm	B/mm	C/mm
BH-E 0000XE-Q8528Y	8.53	2.80	0.80


OTHERS SHAPES SIZES


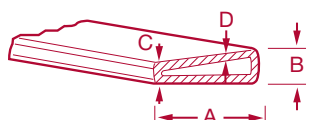
P/N	A/mm	B/mm	C/mm	D/mm
BH-E 0000XE-AI611Y	16.29	11.50	5.00	2.00



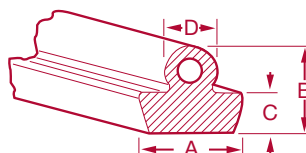
P/N	A/mm	B/mm	C/mm
BH-E 0000XE-Q3150Y	3.18	5.06	1.70



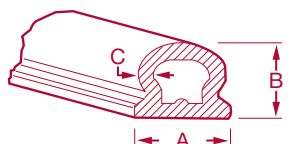
P/N	A/mm	B/mm	C/mm	D/mm
BH-E 0000XE-QI029Y	14.73	4.40	2.72	0.80



P/N	A/mm	B/mm	C/mm	D/mm
BH-E 0000XE-QI423Y	12.24	3.39	1.79	0.80
BH-E 0000XE-QI422Y	10.24	2.93	1.62	0.80



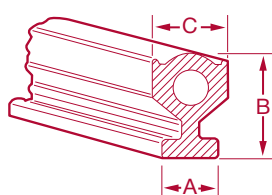
P/N	A/mm	B/mm	C/mm	D/mm
BH-E 0000XE-Q3228Y	3.29	2.80	1.25	1.61



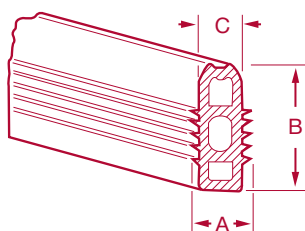
P/N	A/mm	B/mm	C/mm
BH-E 0000XE-Q7552Y	7.50	5.29	0.88



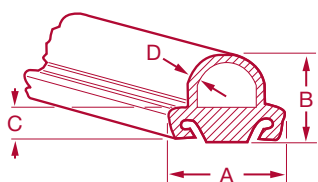
OTHERS SHAPES SIZES



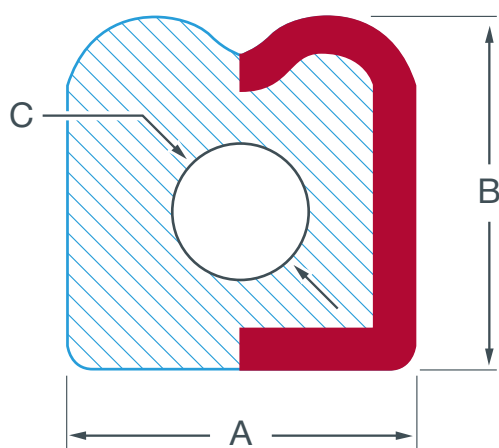
P/N	A/mm	B/mm	C/mm
BH-E 0000XE-Q8068Y	4.50	8.00	6.88



P/N	A/mm	B/mm	C/mm
BH-E 0000XE-QI985Y	8.50	19.00	6.50



P/N	A/mm	B/mm	C/mm	D/mm
BH-E 0000XE-Q2216Y	22.70	16.50	6.30	1.70

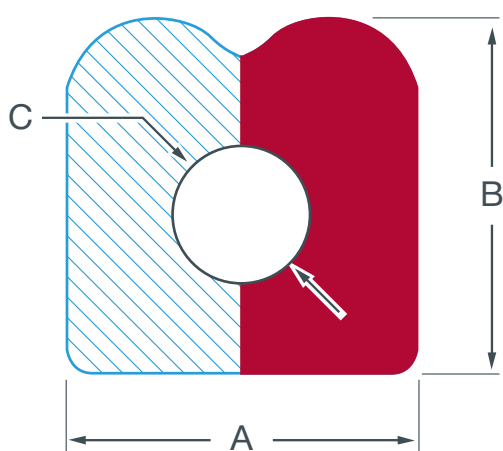

CO-EXTRUDED M SIZES


 Non-conductive
 Conductive

P/N	A/mm	B/mm	C/mm
BRL-E 000XC-M1010Y	1.00	1.00	/
BRL-E 000XC-M1515Y	1.52	1.52	0.79
BRL-E 000XC-M2121Y	2.10	2.10	0.51
BRL-E 000XC-M2022Y	2.00	2.20	0.80
BRL-E 000XC-M2224Y	2.20	2.40	0.80
BRL-E 000XC-M2528Y	2.50	2.80	1.20
BRL-E 000XC-M2733Y	2.70	3.30	1.30
BRL-E 000XC-M2930Y	2.90	3.00	1.40
BRL-E 000XC-M2933Y	2.90	3.30	1.17
BRL-E 000XC-M3029Y	3.00	2.95	1.40
BRL-E 000XC-M3039Y	3.00	3.96	1.60
BRL-E 000XC-M3136Y	3.10	3.68	1.94
BRL-E 000XC-M3236Y	3.20	3.62	1.60
BRL-E 000XC-M3439Y	3.40	3.99	1.80/2.10
BRL-E 000XC-M3636Y	3.60	3.60	1.50
BRL-E 000XC-M4054Y	4.00	5.42	2.52

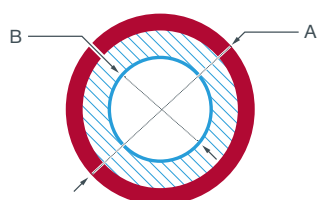


CO-EXTRUDED M SIZES



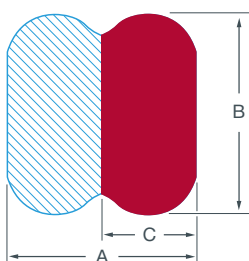
■ Non-conductive
■ Conductive

P/N	A/mm	B/mm	C/mm
BRL-E 000XC-B1616Y	1.65	1.63	0.50
BRL-E 000XC-B1619Y	1.60	1.95	0.60
BRL-E 000XC-B1820Y	1.85	2.00	0.90
BRL-E 000XC-B2021Y	2.00	2.10	0.90
BRL-E 000XC-B2121Y	2.10	2.10	/
BRL-E 000XC-B2030Y	3.00	3.00	0.81
BRL-E 000XC-B2034Y	3.00	3.45	0.81


CO-EXTRUDED OTHER TYPES SIZES


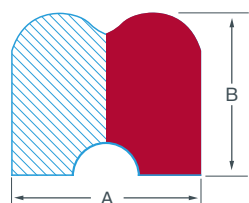
 **Non-conductive**
 **Conductive**

P/N	A/mm	B/mm
BRL-E 000XC-S0150Y	1.50	/
BRL-E 000XC-S0187Y	1.87	/
BRL-E 000XC-S0203Y	2.03	/
BRL-E 000XC-S0321Y	3.20	1.00
BRL-E 000XC-S3923Y	3.96	2.36
BRL-E 000XC-S6343Y	6.30	4.30



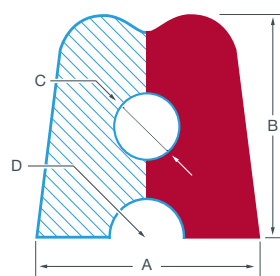
P/N	A/mm	B/mm	C/mm
BRL-E 000XC-N2319Y	2.36	1.92	1.18

 **Non-conductive**
 **Conductive**



P/N	A/mm	B/mm
BRL-E 000XC-C1514Y	1.55	1.46

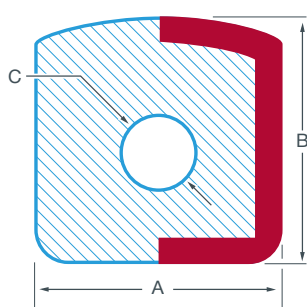
 **Non-conductive**
 **Conductive**



P/N	A/mm	B/mm	C/mm	D/mm
BRL-E 000XC-TS1817Y	1.90	1.70	/	0.20
BRL-E 000XC-TH1817Y	2.80	1.70	0.50	0.20
BRL-E 000XC-TH2427Y	4.00	2.70	/	0.30
BRL-E 000XC-TH3035	3.00	3.50	1.20	0.60

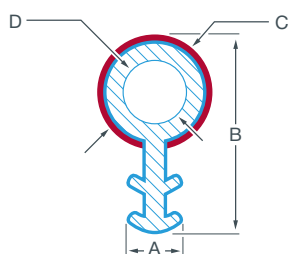
 **Non-conductive**
 **Conductive**

CO-EXTRUDED OTHER TYPES SIZES



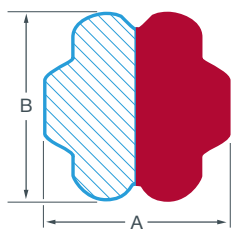
P/N	A/mm	B/mm	C/mm
BRL-E 000XC-D2121Y	2.10	2.10	1.00

■ Non-conductive
■ Conductive



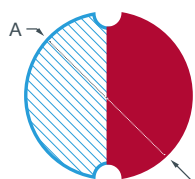
P/N	A/mm	B/mm	C/mm	D/mm
BRL-E 000XC-A1293Y	3.50	12.90	7.40	4.20

■ Non-conductive
■ Conductive



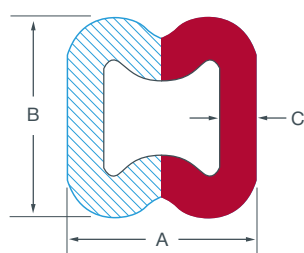
P/N	A/mm	B/mm
BRL-E 000XC-N3035Y	3.07	3.56

■ Non-conductive
■ Conductive



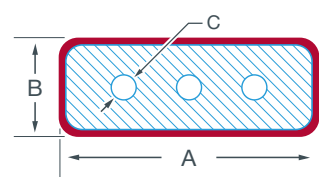
P/N	A/mm
BRL-E 000XC-HS0203Y	2.03

■ Non-conductive
■ Conductive


CO-EXTRUDED OTHER TYPES SIZES


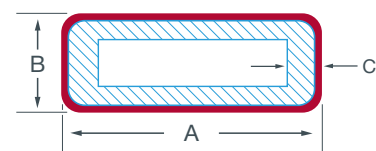
P/N	A/mm	B/mm	C/mm
BRL-E 000XC-H3030Y	3.00	3.00	0.70

■ Non-conductive ■ Conductive



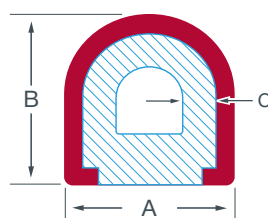
P/N	A/mm	B/mm	C/mm
BRL-E 000XC-R1205Y	12.00	5.00	1.80
BRL-E 000XC-R1251Y	12.70	1.57	/
BRL-E 000XC-R9315Y	9.53	1.57	/

■ Non-conductive ■ Conductive



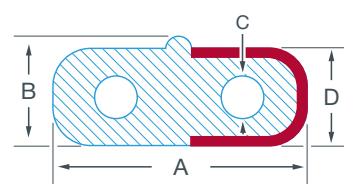
P/N	A/mm	B/mm	C/mm
BRL-E 000XC-R1580Y	15.00	8.00	2.50

■ Non-conductive ■ Conductive



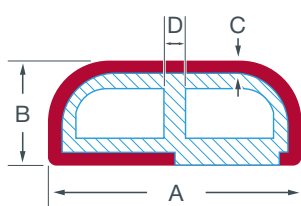
P/N	A/mm	B/mm	C/mm
BRL-E 000XC-D3536Y	3.50	3.65	0.80

■ Non-conductive ■ Conductive



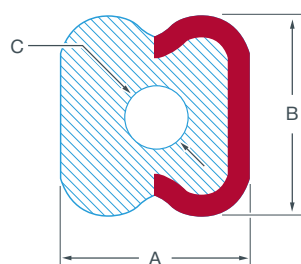
P/N	A/mm	B/mm	C/mm	D/mm
BRL-E 000XC-H7304	6.10	3.90	3.50	1.40

■ Non-conductive ■ Conductive

CO-EXTRUDED OTHER TYPES SIZES


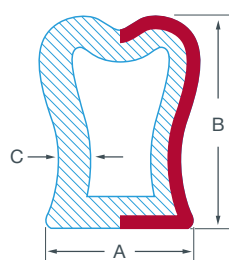
P/N	A/mm	B/mm	C/mm	D/mm
BRL-E 000XC-D8352Y	8.00	3.00	0.50	2.00

 Non-conductive
 Conductive



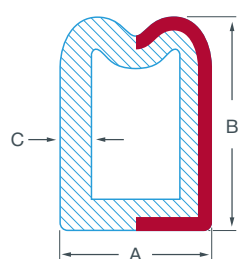
P/N	A/mm	B/mm	C/mm
BRL-E 000XC-NH2032Y	2.00	3.20	1.20
BRL-E 000XC-NH3732Y	3.20	3.70	1.20
BRL-E 000XC-NH4745Y	4.57	4.75	1.60*1.60

 Non-conductive
 Conductive



P/N	A/mm	B/mm	C/mm
BRL-E 000XC-M8012Y	8.00	12.00	1.50-1.60

 Non-conductive
 Conductive



P/N	A/mm	B/mm	C/mm
BRL-E 000XC-M6080Y	6.00	8.00	1.27

 Non-conductive
 Conductive