

# EE SERIES

## CONDUCTIVE ELASTOMER GASKETS



### DESCRIPTION

THESE GASKETS ARE REALIZED IN EXCELLENT QUALITY EXTRUDED SILICONE, FILLED WITH DIFFERENT TYPES OF METAL PARTICLES.

### APPLICATION

THEY ARE APPLIED IN ORDER TO SOLVE ELECTROMAGNETIC INTERFERENCES PROBLEMS IN MILITARY/AEROSPACE FIELDS.

ALSO USED TO ACHIEVE A HIGH SHIELDING EFFICIENCY COMBINED WITH ENVIRONMENTAL SEALING.

### AVAILABILITY

THEY ARE SUPPLIED IN DIFFERENT SHAPES, DIMENSIONS AND STANDARD SHEETS.

EXECUTED MANUFACTURING:

- CUT MADE ACCORDING TO CUSTOMER'S REQUIREMENTS
- DIE-CUTTING
- O-RING

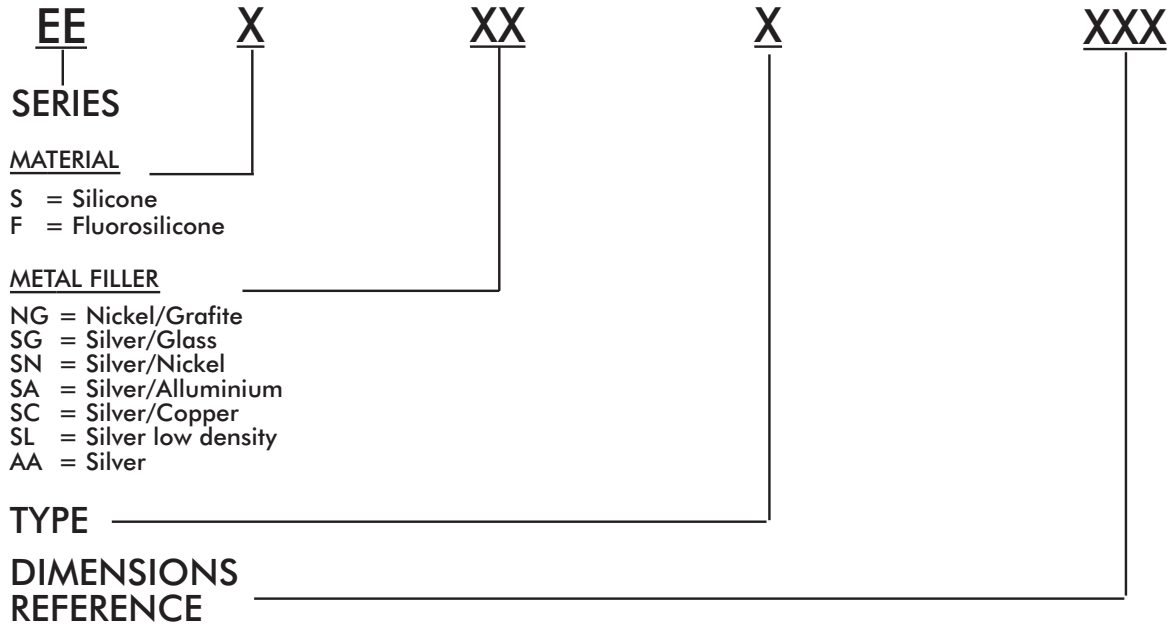
### TECHNICAL DATA

Series	U of M	NG	NG	SG	SG	SN	SN	SA	SA	SC	SC	SL	AA	AA
<b>Filler</b>	-	Ni/Gr	Ni/Gr	AG/Glass	AG/Glass	AG/Ni	AG/Ni	AG/Al	AG/Al	Silver Copper	Silver Copper	Silver low density	Silver pure	Silver pure
<b>Elastomer</b>	-	Silicone	Fluoro-Silicone	Silicone	Fluoro-Silicone	Silicone	Fluoro-Silicone	Silicone	Fluoro-Silicone	Silicone	Fluoro-Silicone	Silicone	Fluoro-Silicone	Silicone
<b>MIL-83528 TYPE</b>	-	-	-	M	-	L	-	B	D	A	C	I	E	F
<b>Operating Temp. (°C)</b>	Min	-55	-55	55	55	55	-55	-55	-55	-55	-55	-55	-55	-65
	Max	+150	+150	+160	+160	+125	+125	+160	+160	-125	-125	+160	-160	-160
<b>Hardness</b>	Shore A	30-70	65	65	65	75	70	65	70	65	75	45	65	75
<b>Specific Gravity</b>	g/cc	1,95	1,95	1,9	1,9	4,0	4,4	2,0	2,0	3,5	4,1	1,8	3,5	4,0
<b>Compression Deflection</b>	% min	3,5	3,0	3,5	3,5	3,5	3,5	3,5	3,5	3,5	3,5	8,0	2,5	3,5
<b>Tensile Strength</b>	#/in sq	150	150	200	200	200	180	200	180	200	180	150	300	250
	Min	100	100	100	100	100	60	100	60	100	100	50	200	100
<b>Elongation</b>	Max	-	-	300	300	300	260	300	260	300	300	250	500	300
	%	35	25	30	30	32	30	32	30	32	35	35	45	60
<b>Compression Set</b>	%	35	25	30	30	32	30	32	30	32	35	35	45	60
<b>Tear Strength</b>	#/in	40	35	30	30	30	35	30	35	25	35	20	50	40
<b>Volume Res.</b>	Ohm-cm	0,10	0,10	0,006	0,006	0,005	0,012	0,008	0,012	0,004	0,010	0,010	0,002	0,002
	100 MHz	100	100	100	100	120	120	120	120	120	120	100	120	120
<b>Shielding Effectiveness as tested per Mil-DTL-83528</b>	500 MHz	100	100	100	90	120	120	120	120	120	120	100	120	120
	2 GHz	100	100	90	90	120	115	115	115	120	120	90	120	120
	10 GHz	100	100	90	90	110	110	115	115	120	115	90	120	120

# EE SERIES

## CONDUCTIVE ELASTOMER GASKETS

### PART NUMBER GUIDE

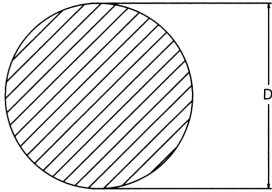


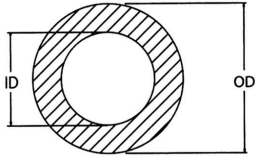
**EXAMPLE:** EESSAC003 = Silicone gasket filled with Silver/Alluminium, solid round diameter 1,57 mm  
 EEFSGQ007 = Fluorosilicone gasket filled with Silver/Glass, rectangular section 6,35 x 1,57 mm

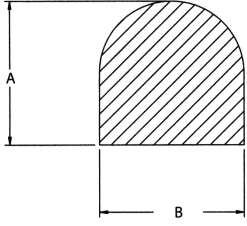
<b>TYPE S</b> (STANDARD SHEET)	A (mm)	B (mm)	S (mm)	DIMENSIONS
				REFERENCES
	250	250	0.51	001
	380	500	0.51	002
	250	250	0.81	003
	380	500	0.81	004
	250	250	1.00	005
	380	500	1.00	006
	250	250	1.20	007
	380	500	1.20	008
	250	250	1.57	009
	380	500	1.57	010
	250	250	2.36	011
	380	500	2.36	013
	250	250	3.18	014
	380	500	3.18	015

# EE SERIES

## CONDUCTIVE ELASTOMER GASKETS

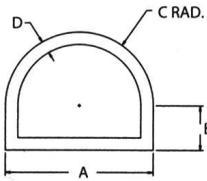
<b>TYPE C</b>  	D (mm)	DIMENSIONS REFERENCES
	1,00	001
1,35	002	
1,57	003	
1,78	004	
2,00	005	
2,36	006	
2,60	007	
2,85	008	
3,00	009	
3,18	010	
3,30	011	
3,53	012	
3,80	013	
4,10	014	
4,78	015	
5,50	016	
6,35	017	

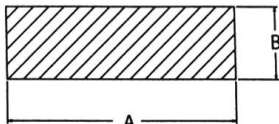
<b>TYPE T</b>  	OD (mm)	ID (mm)	DIMENSIONS REFERENCES
	1,78	0,63	
2,36	0,90		002
2,60	1,00		003
3,18	1,14		004
3,18	1,57		005
3,96	1,27		006
4,50	2,00		007
6,35	3,18		008
7,92	4,88		009
9,52	6,35		010
11,10	6,35		011

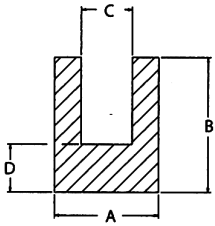
<b>TYPE D</b>  	B (mm)	A (mm)	DIMENSIONS REFERENCES
	1,40	1,62	
1,57	1,72		002
1,57	1,72		003
2,38	1,98		004
1,98	2,26		005
2,38	2,38		006
1,57	2,54		007
3,81	2,80		008
3,10	3,32		009
3,15	3,45		010
3,00	3,96		011
3,96	3,96		012
4,52	4,45		013
4,78	4,78		014
6,35	6,35		015

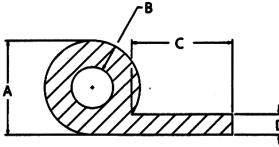
# EE SERIES

## CONDUCTIVE ELASTOMER GASKETS

<b>TYPE H</b> 	A (mm)	B (mm)	C (mm)	D (mm)	DIMENSIONS REFERENCES
	3,96	1,14	1,98	1,14	001
	3,96	1,98	1,98	1,14	002
	4,75	2,36	2,36	1,27	003
	6,35	3,17	3,17	1,65	004
	7,92	3,96	3,96	1,57	005
	12,37	2,00	6,20	2,00	006
	7,92	5,10	2,85	1,57	007

<b>TYPE Q</b> 	A (mm)	B (mm)	DIMENSIONS REFERENCES
	0,82	0,82	001
	1,60	1,10	002
	2,41	1,57	003
	3,00	1,90	004
	3,18	1,57	005
	3,96	1,57	006
	6,35	1,57	007
	12,70	1,90	008
	12,70	3,18	009
	12,70	4,78	010
	19,00	1,57	011
	22,35	1,57	012
	25,40	6,35	013
30,00	1,57	014	

<b>TYPE U</b> 	A (mm)	B (mm)	C (mm)	D (mm)	DIMENSIONS REFERENCES
	2,54	2,54	0,86	0,84	001
	3,20	2,80	0,66	1,27	002
	3,20	5,71	0,51	1,90	003
	3,96	3,96	1,57	1,20	004
	4,45	3,96	1,20	1,20	005
	4,45	3,96	1,20	1,90	006
	8,30	5,97	1,57	2,92	007

<b>TYPE P</b> 	A (mm)	B (mm)	C (mm)	D (mm)	DIMENSIONS REFERENCES
	5,10	2,00	6,98	1,57	001
	5,10	2,00	16,51	1,57	002
	6,35	3,18	6,35	1,57	003
	6,35	3,18	9,53	1,57	004
	6,35	3,81	9,53	1,57	005
	6,35	3,18	15,87	1,57	006
	7,92	4,75	14,30	1,57	007
	9,14	6,48	10,80	1,78	008
	6,35	3,18	15,87	1,57	009