



HANNA RUBBER COMPANY

Specification Sheet

Series 800

Conductive Particle-filled Elastomers

DESCRIPTION

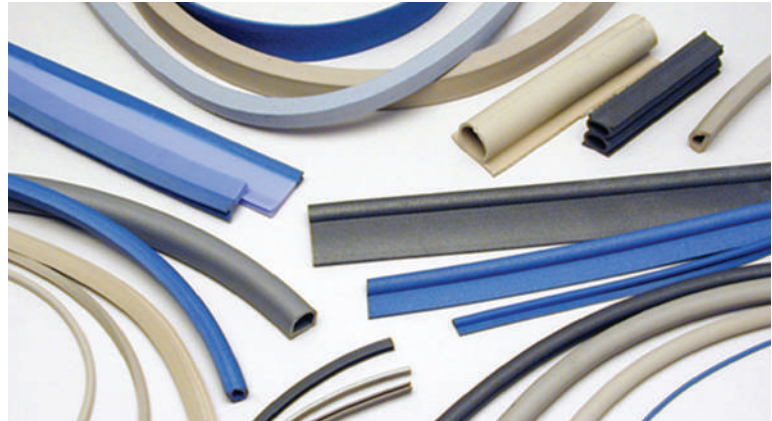
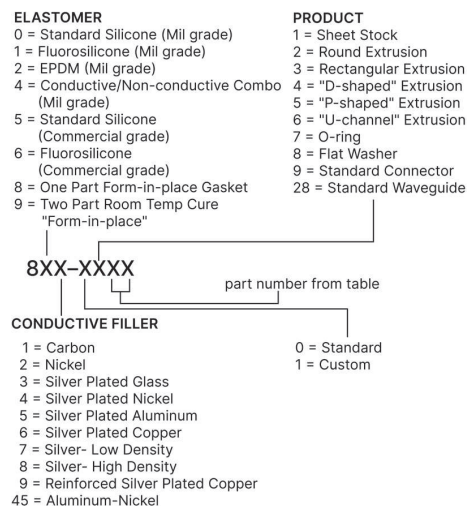
This conductive silicone and fluorosilicone material is manufactured to both Mil Spec and commercial standards with M83528 being the most typical EMI specification. It accommodates a wide spectrum of shielding solutions for the optimal needs of the aerospace and telecommunication markets.

APPLICATION

Certain end-use applications may require high shielding effectiveness, environmental sealing, reliability and durability. These silicone elastomers fulfill those needs. The part number system segregates the various types of conductive elastomers available. Products beginning with 8xx- depict the use of small particles to establish a conductive path within the elastomer—yielding a highly versatile group of gasket materials for use in EMI/RFI suppression. Each compound has its own unique properties, therefore it is essential that a distinction be made. The second digit in the 800 series specifies the type of elastomer to be used and the grade of the final product.

If a 1 appears, the next three digits are assigned from our numerical listing of custom parts. If the part has been determined to be standard the next digit will determine the product family:

PART NUMBERING



The third digit classifies the conductive filler type used in the compound. The different classes are as follows:

80X	Military Grade / Standard Silicone
81X	Military Grade / Fluorosilicone
82X	Military Grade / EPDM
84X	Military Grade/ Combination: Conductive / Non-conductive
85X	Commercial Grade / Standard Silicone
86X	Commercial Grade / Fluorosilicone
88X	One Part Form-In-Place Gasket Material
89X	Two Part, Room Temperature Cure, Form-In-Place Material

8X1	Carbon
8X2	Nickel
8X3	Silver-plated Glass
8X4	Silver-plated Nickel
8X5	Silver-plated Aluminum
8X6	Silver-plated Copper
8X7	Silver — Low Density
8X8	Silver — High Density
8X9	Reinforced Silver-plated Copper

The next set of four digits establishes the end products dimensional characteristics. The first of these four tell us whether the part is of a standard configuration or a custom design.

8XX-0XXX—Standard
8XX-1XXX—Custom

8XX-01XX	Sheet Stock
8XX-02XX	Extrusion — Round
8XX-03XX	Extrusion — Rectangular
8XX-04XX	Extrusion — D-Shaped
8XX-05XX	Extrusion — P-Shaped
8XX-06XX	Extrusion — U-Channel
8XX-07XX	O-Rings
8XX-08XX	Flat Washer
8XX-09XX	Standard Connector
8XX-28XX	Standard Waveguide

Conductive Particle-filled Elastomers Series 800

PERFORMANCE CHARACTERISTICS PER MIL-DTL-83528 and COMMERCIAL

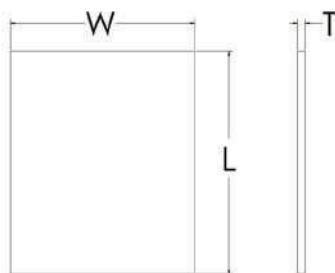
Series	U of M	801	802	822	812	803	813	804	814	805	815
Filler	—	C	Ni/Gr	Ni/Gr	Ni/Gr	AG/Glass	AG/Glass	AG/Ni	AG/Ni	AG/Al	AG/Al
Elastomer	—	Silicone	Silicone	EPDM	Fluorosilicone	Silicone	Fluorosilicone	Silicone	Fluorosilicone	Silicone	Fluorosilicone
MIL-83528 TYPE	—	—	—	N/A	—	M	—	L	—	B	D
Operating Temp. (°C)	Min Max	-55 +200	-55 +150	-30 +100	-55 +150	55 +160	55 +160	-55 +125	-55 +160	-55 +160	-55 +160
Hardness	Shore A	70	65	75	65	65	65	75	70	65	70
Specific Gravity	g/cc	1.2	1.95	2.1	1.95	1.9	1.9	4.0	4.4	2.0	2.0
Compression Deflection	% min	3.5	3.5	2.0	3.0	3.5	3.5	3.5	3.5	3.5	3.5
Tensile Strength	#/in sq	650	150	200	150	200	200	200	180	200	180
Elongation	Min Max	100 —	100 —	75 —	100 —	100 300	100 300	100 300	60 260	100 300	60 260
Compression Set	%	40	35	40	25	30	30	32	30	32	30
Tear Strength	#/in	40	40	70	35	30	30	30	35	30	35
Volume Resistivity	Ohm-cm	7.0	.10	5	0.1	.006	.006	.005	.012	.008	.012
Shielding Effectiveness as tested per MIL-DTL-83528	100 MHz 500 MHz 2 GHz 10 GHz	80 80 60 50	100 100 100 100	90 90 90 90	100 100 100 100	100 100 90 90	100 100 90 90	120 120 120 110	120 120 115 110	120 120 115 115	120 120 115 115

Series	U of M	806 - A	816	806 - K	807	808 - E	818	808 - H	809
Filler	—	Si/Cu	Si/Cu	Si/Cu	Si Low Density	Si Pure	Si Pure	Si	Si/Cu
Elastomer	—	Silicone	Fluorosilicone	Silicone	Silicone	Silicone	Fluorosilicone	Silicone	Silicone w/ Cu Mesh
MIL-83528 TYPE	—	A	C	K	J*	E	F	H	G*
Operating Temp. (°C)	Min Max	-55 +125	-55 +125	-45 +125	-55 +160	-55 +160	-65 +160	-55 +160	-45 +125
Hardness	Shore A	65	75	85	45	65	75	80	80
Specific Gravity	g/cc	3.5	4.1	3.8	1.8	3.5	4.0	4.0	4.75
Compression Deflection	(% min)	3.5	3.5	2.5	8.0	2.5	3.5	2.5	2.5
Tensile Strength	(#/in sq)	200	180	400	150	300	250	400	600
Elongation	Min Max	100 300	100 300	100 300	50 250	200 500	100 300	90 290	20 N/A
Compression Set	(%)	32	35	35	35	45	60	60	N/A
Tear Strength	(#/in)	25	35	40	20	50	40	60	70
Volume Resistivity	(ohm-cm)	.004	.010	.005	.010	.002	.002	.005	.007
Shielding Effectiveness as tested per MIL-DTL-83528	100 MHz 500 MHz 2 GHz 10 GHz	120 120 120 120	120 120 120 115	120 120 120 120	100 100 90 90	120 120 120 120	120 120 120 120	120 120 120 120	120 120 120 120

*Designed to meet requirements. Not certified.

Series	8045	8145	852	853	854	855	856	857	858
Filler	Ni/Al	Ni/Al Fluorosilicone	Ni Pure	Si/Glass	Si/Ni	Si/Al	Si/Cu	Si Low Density	Si Pure
Operating Temp. (C) MIN	-55	-55	-55	-55	-55	-55	-55	-55	-65
Operating Temp. (C) MAX	+125	+125	+125	+170	+180	+200	+125	+160	+180
Specific Gravity	1.88	1.96	3.05	1.8	4.0	2.0	3.5	1.7	4.0
Hardness Available (Shore A)	65	75	45-75	45-75	45-75	45-75	45-75	45-75	45-75
Tensile Strength (# / in. sq.)	200	200	400	200	200	200	200	150	200
Elongation* (%)	130	65	300	280	300	280	300	100	300
Tear Strength* (#/in.)	60	40	40	35	35	35	35	25	60
Volume Res.* (ohm-cm.)	.15	20	2.0	.05	.06	.08	.06	.1	.04
Shielding Effectiveness (20 MHz – 1 GHz) min.	115	115	60	75	80	75	85	70	85

Conductive Particle-filled Elastomers Series 800



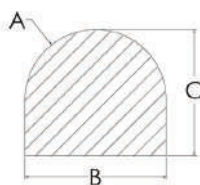
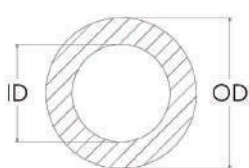
STANDARD SHEET

Part No.	Thickness (in.)	W (in.)	L (in.)	Tolerance (in.)
0101	.020	10	10	+/- .004
0102	.032	10	10	+/- .004
0103	.062	10	10	+/- .005
0104	.093	10	10	+/- .007
0105	.125	10	10	+/- .010
0106	.020	12	12	+/- .004
0107	.032	12	12	+/- .004
0108	.062	12	12	+/- .005
0109	.093	12	12	+/- .007
0110	.125	12	12	+/- .010
0111	.020	15	20	+/- .004
0112	.032	15	20	+/- .005
0113	.062	15	20	+/- .005
0114	.093	15	20	+/- .008
0115	.125	15	20	+/- .010
0116	.020	17.8	20.5	+/- .005
0117	.032	17.8	20.5	+/- .005
0118	.062	17.8	20.5	+/- .005
0119	.093	17.8	20.5	+/- .008
0120	.125	17.8	20.5	+/- .010
0121	.027	10	10	+/- .004
0122	.030	10	10	+/- .004
0123	.040	10	10	+/- .004
0124	.047	10	10	+/- .004
0125	.060	10	10	+/- .005
0126	.027	12	12	+/- .004
0127	.030	12	12	+/- .004
0128	.040	12	12	+/- .004
0129	.047	12	12	+/- .004
0130	.060	12	12	+/- .005
0131	.027	15	20	+/- .004
0132	.030	15	20	+/- .004
0133	.040	15	20	+/- .005
0134	.047	15	20	+/- .005
0135	.060	15	20	+/- .005

Part No.	Thickness (in.)	W (in.)	L (in.)	Tolerance (in.)
0136	.027	17.8	20.5	+/- .005
0137	.030	17.8	20.5	+/- .005
0138	.040	17.8	20.5	+/- .005
0139	.047	17.8	20.5	+/- .005
0140	.060	17.8	20.5	+/- .005
0141	.020	10	20	+/- .004
0142	.027	10	20	+/- .004
0143	.030	10	20	+/- .004
0144	.032	10	20	+/- .005
0145	.040	10	20	+/- .005
0146	.047	10	20	+/- .005
0147	.060	10	20	+/- .005
0148	.062	10	20	+/- .005
0149	.093	10	20	+/- .008
0150	.125	10	20	+/- .010
0151	.020	12	18	+/- .004
0152	.027	12	18	+/- .004
0153	.030	12	18	+/- .004
0154	.032	12	18	+/- .005
0155	.040	12	18	+/- .005
0156	.047	12	18	+/- .005
0157	.060	12	18	+/- .005
0158	.062	12	18	+/- .005
0159	.093	12	18	+/- .008
0160	.125	12	18	+/- .010
0161	.032	24	24	+/- .005
0162	.040	24	24	+/- .005
0163	.047	24	24	+/- .006
0164	.062	24	24	+/- .006
0165	.093	24	24	+/- .008
0166	0.118	24	24	+/- .010
0167	0.125	24	24	+/- .010
0168	0.156	24	24	+/- .010
0169	0.188	24	24	+/- .010

Please call application assistance for other sheet sizes available.

Conductive Particle-filled Elastomers Series 800



SOLID ROUND EXTRUSION

Part No.	D (in.)	M83528 Dash
0201	.040	1/001
0202	.053	1/002
0203	.062	1/003
0204	.070	1/004
0212	.080	1/005
0205	.093	1/006
0206	.103	1/007
0213	.112	N/A
0207	.119	1/008
0208	.125	1/009
0214	.130	N/A
0209	.139	1/010
0215	.150	N/A
0216	.160	N/A
0217	.188	1/011
0210	.216	1/012
0211	.250	1/013

HOLLOW ROUND EXTRUSION

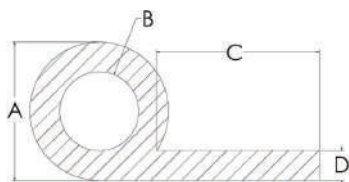
Part No.	OD (in.)	ID (in.)	M83528 Dash
0226	.070	.025	N/A
0227	.093	.035	N/A
0228	.103	.040	11/007
0220	.125	.045	11/001
0229	.125	.062	11/006
0221	.156	.050	11/002
0230	.177	.079	11/008
0222	.250	.125	11/003
0223	.312	.192	11/004
0224	.375	.250	11/005
0225	.437	.250	N/A

D PROFILE SOLID EXTRUSION

Part No.	A (in.)	B (in.)	C (in.)	M83528 Dash
0410	.031	.055	.064	N/A
0411	.031	.062	.068	3/001
0412	.047	.062	.068	N/A
0413	.047	.094	.078	3/002
0414	.039	.078	.089	3/003
0415	.047	.094	.094	3/004
0416	.031	.062	.100	3/005
0417	.075	.150	.110	3/006
0418	.061	.122	.131	N/A
0419	.061	.124	.136	3/007
0420	.059	.118	.156	3/008
0421	.078	.156	.156	3/009
0422	.089	.178	.175	3/010
0423	.094	.188	.188	3/011
0424	.125	.250	.250	3/012

SOLID RECTANGULAR EXTRUSION

Part No.	A (in.)	B (in.)	M83528 Dash
0314	.032	.032	N/A
0301	.063	.042	9/001
0302	.095	.062	9/002
0303	.120	.075	9/003
0304	.125	.062	9/004
0305	.156	.062	9/005
0306	.250	.062	9/006
0307	.500	.075	9/007
0308	.500	.125	9/008
0309	.500	.188	9/009
0310	.750	.062	9/010
0311	.880	.062	9/011
0312	1.00	.250	9/012
0313	1.18	.062	9/013
0315	.060	.080	N/A

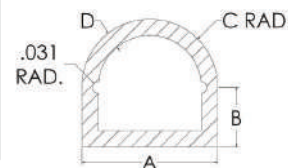
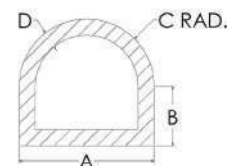


P PROFILE EXTRUSION

Part No.	A (in.)	B (in.)	C (in.)	D (in.)	M83528 Dash
0501	.200	.080	.275	.062	N/A
0502	.200	.080	.650	.062	8/001
0503	.250	.125	.250	.062	8/002
0504	.250	.125	.375	.062	8/003
0505	.250	.150	.375	.062	8/004
0506	.250	.125	.625	.062	N/A
0507	.312	.187	.563	.062	8/005
0508	.360	.255	.420	.070	8/006
0509	.200	.080	.275	.062	8/007
0510	.250	.125	.625	.062	8/008

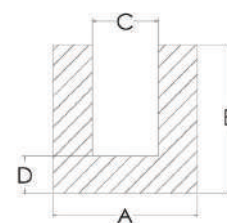
D PROFILE HOLLOW EXTRUSION

Part No.	A (in.)	B (in.)	C (in.)	D (in.)	M83528 Dash
0401	.156	.045	.078	.045	N/A
0402	.156	.078	.078	.045	7/001a
0403	.187	.093	.093	.050	7/002a
0404	.250	.125	.125	.065	7/007a
0405	.312	.156	.156	.062	7/003a
0406	.312	.156	.156	.062	7/004b
0408	.487	.080	.244	.080	7/006a
0409	.312	.200	.112	.062	7/005a



U PROFILE EXTRUSION

Part No.	A (in.)	B (in.)	C (in.)	D (in.)	M83528 Dash
0601	.100	.100	.034	.033	10/001
0602	.126	.110	.026	.050	10/002
0603	.126	.225	.020	.075	10/003
0604	.156	.156	.062	.047	10/004
0605	.175	.156	.047	.047	N/A
0606	.175	.156	.047	.075	10/005
0607	.327	.235	.062	.115	10/006



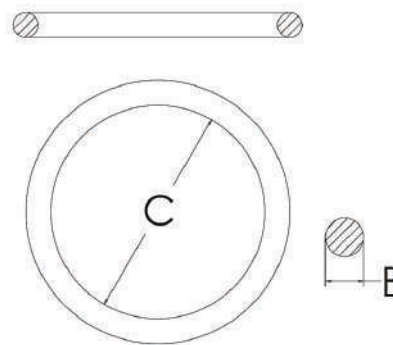
Conductive Particle-filled Elastomers Series 800

O-RINGS

Different military specifications call for the same size O-Ring. The following table shows which military specifications use common O-Ring shell or dash number designators.

Group I Shell	Group II Shell	Group III Dash	Group IV Dash
MC38999	MC81511	MS29513	M83528/5
MC26482		MS9021	
		M83528/2	

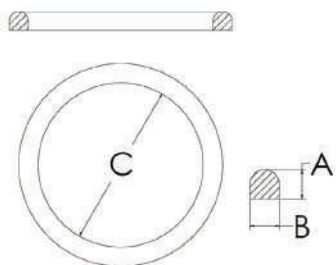
The part number listing to the right cross references the military specifications with their corresponding dimensions and the Noloto Jabar part number.



O-RINGS

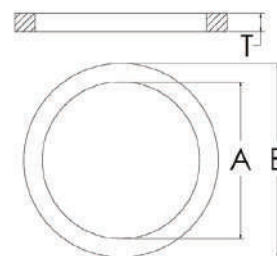
Part No.	CS B (in.)	I.D. C (in.)	GRP I	GRP II	GRP III	GRP IV	Part No.	CS B (in.)	I.D. C (in.)	GRP I	GRP II	GRP III	GRP IV	Part No.	CS B (in.)	I.D. C (in.)	GRP I	GRP II	GRP III	GRP IV
0701	.030	.442	—	—	—	5/001	0729	.070	.860	—	—	—	5/019	0758	0.095	0.897	—	—	—	—
0702	.030	.577	—	—	—	5/002	0730	.070	.864	9,10	—	2/020	—	0759	0.095	1.074	—	—	—	—
0703	.030	.692	—	—	—	5/003	0731	.070	.926	—	—	2/021	—	0760	0.100	1.005	—	—	—	—
0704	.030	.817	—	—	—	5/004	0732	.070	.989	11,12	—	2/022	—	0761	0.101	2.805	—	—	—	—
0705	.039	.425	—	—	—	5/005	0733	.070	1.046	—	—	—	—	0762	0.101	3.153	—	—	—	—
0706	.048	.295	—	—	—	5/006	0734	.070	1.110	—	—	—	—	0763	0.101	3.613	—	—	—	—
0707	.050	.533	—	—	—	5/007	0735	.070	1.114	13,14	13,14	2/024	—	0764	0.103	1.040	—	—	—	—
0708	.051	.446	—	—	—	5/008	0736	.070	1.176	—	—	025	—	0765	0.103	0.612	—	—	2/114	—
0709	.057	.415	—	—	—	5/009	0737	.070	1.230	—	—	—	5/020	0766	0.103	0.676	—	—	2/115	—
0710	.063	.541	—	—	—	5/010	0738	.070	1.239	15,16	15,16	2/026	—	0767	0.103	0.799	—	—	2/117	—
0711	.063	.648	—	—	—	5/011	0739	.070	1.296	—	—	—	—	0768	0.103	1.240	—	—	—	—
0712	.068	.847	—	—	—	5/012	0740	.070	1.364	17,18	17,18	2/028	—	0769	0.103	1.362	—	—	2/126	—
0713	.068	1.182	—	—	—	5/013	0741	.070	1.485	—	—	—	—	0770	0.103	1.487	19,20	—	2/128	—
0714	.068	3.165	—	—	—	5/014	0742	.070	1.609	—	—	—	—	0771	0.103	1.612	21,22	—	130	5/022
0715	.070	.145	—	—	2/007	—	0743	.070	1.614	—	—	030	—	0772	0.103	1.737	23,24	—	2/132	—
0716	.070	.301	—	—	2/011	—	0744	.070	1.674	—	—	—	—	0773	0.103	1.790	—	—	—	5/023
0717	.070	.364	—	—	2/012	—	0745	.070	1.735	—	—	—	—	0784	0.103	1.862	—	—	2/134	—
0718	.070	.426	—	—	2/013	—	0746	.070	1.864	—	—	032	—	0785	0.103	2.362	—	—	2/142	—
0719	.070	.489	—	—	2/014	—	0747	.070	1.980	—	—	—	—	0786	0.103	2.550	—	—	2/145	—
0720	.070	.495	—	—	—	5/015	0748	.070	3.009	—	—	—	—	0774	0.103	3.987	—	—	2/155	—
0721	.070	.551	6	—	2/015	—	0749	.070	3.170	—	—	—	—	0775	0.115	2.683	—	—	13/029	—
0722	.070	.610	—	—	—	5/016	0750	.070	3.489	—	—	043	—	0776	0.115	2.876	—	—	—	—
0723	.070	.635	—	—	—	5/017	0751	.076	.656	—	—	—	—	0777	0.139	2.011	—	—	13/022	—
0724	.070	.667	—	—	—	5/018	0752	.076	.779	—	—	—	—	0778	0.147	2.265	—	—	—	—
0725	.070	.676	8	—	2/017	—	0753	.084	.852	—	—	—	—	0779	0.147	3.690	—	—	—	—
0726	.070	.735	—	—	—	—	0754	.084	2.678	—	—	—	—	0780	0.188	0.673	—	—	—	—
0727	.070	.739	—	8	2/018	—	0755	.087	1.250	—	—	—	—	0781	0.210	3.475	—	—	—	—
0728	.070	.801	9,10	—	2/019	—	0756	.087	2.360	—	—	—	—	0782	0.243	3.409	—	—	—	—
0729	.070	.860	—	—	—	5/019	0757	0.094	0.750	—	—	—	—	0783	0.394	3.464	—	—	—	—

Conductive Particle-filled Elastomers Series 800



D RINGS

Part No.	A (in.)	B (in.)	I.D. C (in.)	Radius (in.)	M83528 Dash
0801	.048	.078	.587	FULL	13/004
0802	.048	.078	.587	FULL	—
0803	.056	.082	.410	.041	13/002
0804	.059	.093	2.705	FULL	—
0805	.059	.095	3.193	FULL	—
0806	.061	.025	.180	FULL	—
0807	.061	.039	.151	FULL	—
0808	.062	.069	.893	FULL	—
0809	.062	.096	1.562	FULL	—
0810	.065	.099	1.122	.049	13/008
0811	.066	.059	.565	FULL	—
0812	.067	.097	1.094	FULL	—
0813	.069	.094	1.072	FULL	—
0814	.070	.065	.809	FULL	—
0815	.073	.034	.230	FULL	—
0816	.076	.095	1.397	FULL	—
0817	.076	.097	1.581	FULL	—
0818	.076	.097	1.460	FULL	—
0819	.076	.113	1.262	FULL	—
0820	.077	.103	1.511	FULL	—
0821	.077	.115	1.310	FULL	13/012
0822	.078	.105	1.550	FULL	13/017
0823	.083	.093	1.357	FULL	—
0824	.085	.095	1.392	FULL	13/014
0825	.088	.095	1.340	FULL	13/011
0826	.101	.130	.592	FULL	—
0827	.118	.174	1.385	FULL	—
0828	.120	.152	.865	FULL	—
0829	.123	.123	.853	FULL	—
0830	.125	.138	2.859	FULL	—
0831	.125	.155	.885	FULL	13/006
0832	.130	.180	3.412	FULL	—
0833	.188	.234	3.837	FULL	—
0834	.188	.240	3.910	FULL	13/036



FLAT WASHER

Part No.	A (in.)	B (in.)	T (in.)	MC5051/ MC26482	M83528 Dash
0840	.250	.625	.031	—	12/001
0841	.250	.625	.062	—	12/002
0842	.319	.422	.075	8	—
0843	.328	.391	.031	—	—
0844	.375	.750	.031	—	12/003
0845	.375	.750	.062	—	12/004
0846	.406	.469	.031	10S/SL	—
0847	.447	.550	.075	10	—
0848	.500	.875	.031	—	—
0849	.500	.656	.031	—	12/005
0850	.500	.656	.062	—	12/006
0851	.500	.656	.031	—	12/007
0852	.500	.875	.062	12/008	—
0853	.531	.594	.031	12/12D	—
0854	.547	.703	.075	12	—
0855	.641	.703	.031	14/14S	—
0856	.671	.828	.075	14	—
0857	.750	1.000	.031	—	12/009
0858	.750	1.000	.062	—	12/010
0859	.781	.844	.031	16/16S	—
0860	.797	.953	.075	16	—
0861	.891	.953	.031	18	—
0862	.891	1.047	.075	—	—
0863	.984	1.047	.031	20	—
0864	1.000	1.438	.031	—	12/011
0865	1.000	1.438	.062	—	12/012
0866	1.039	1.172	.075	20	—
0867	1.109	1.172	.031	22	—
0868	1.141	1.297	.075	22	—
0869	1.219	1.281	.031	24	—
0870	1.266	1.422	.075	24	—
0871	1.455	1.547	.045	28	—
0872	1.672	1.766	.045	32	—
0873	1.891	1.984	.045	36	—

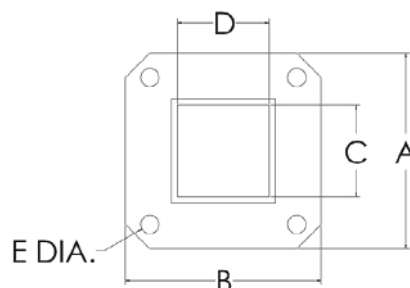
Conductive Particle-filled Elastomers Series 800

WAVEGUIDE CONNECTOR GASKETS

Nolato Jabar manufactures a complete selection of waveguide cover, choke, and contact flange gaskets for pressure and EMI/RFI sealing.

These silver-filled, non-corrosive, particle-filled elastomers can be produced in the configurations shown in the chart below.

The most commonly used waveguide flange requirements are separated into groups for clarification and cross-reference to Nolato Jabar's part number.



Group I	Group II	Group III Flange	Group IV Description	Group V	Group VI
M83528	EIA SIZE WR	JAN RG-/U	UG	CPR	CMR

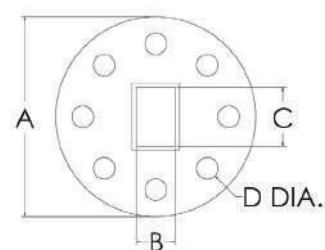
DIE-CUT SQUARE RECTANGULAR WAVEGUIDE CONNECTOR GASKETS. THICKNESS IS .027 IN. +/- .003 IN. UNLESS OTHER IS SPECIFIED AT TIME OF ORDER.

Part No.	A (in.)	B (in.)	C (in.)	D (in.)	E (in.)	Group I	Group II	Group III	Group IV	Group V	Group VI
2801	1.496	1.796	.760	.385	.155	13/007	75	—	—	—	—
2802	.750	.750	.145	.285	.116	13/001	28	96	599	—	—
2803	.875	.875	.175	.425	.116	13/003	42	53/121	595/97	—	—
2804	1.313	1.313	.630	.320	.140	13/005	62	91/107	419	—	—
2805	1.625	1.625	.905	.405	.169	13/009	90	52/67	39/135	—	—
2806	1.875	1.875	1.130	.505	.180	13/015	112	51/68	51/138	—	—
2807	3.750	5.440	1.710	3.410	.264	13/038	340	112/112	533/54	—	—
2808	4.188	6.344	2.160	4.310	.266	13/040	430	104/105	435/37	—	—
2809	5.438	8.688	3.260	6.510	.250	13/042	650	69/103	417/418	—	—
2810	1.594	2.094	.405	.905	.169	13/010	90	52/67	1736/37	90F	—
2811	1.937	2.687	.633	1.380	.206	13/020	137	50/106	1732/33	137F	—
2812	2.438	3.188	.805	1.600	.257	13/024	159	—	1730/31	159F	—
2813	3.500	2.500	4.880	.880	.266	13/027	187	49/95	1728/29	187F	—
2814	2.750	3.875	1.155	2.300	.270	13/031	229	—	1726/27	229F	—
2815	4.500	3.000	2.850	1.350	.266	13/034	284	48/75	1724/25	284F	—
2816	3.750	5.438	1.710	3.410	.266	13/039	340	112/112	—	340F	—
2817	6.344	4.188	4.310	2.160	.266	13/041	430	104/105	—	430F	—
2818	1.531	2.281	.632	1.382	.150	13/021	137	51/106	—	—	137
2819	1.750	2.500	.800	1.600	.160	13/025	159	—	—	—	159
2820	1.784	2.781	.882	1.882	.156	13/028	187	49/95	—	—	187
2821	2.000	3.156	1.155	2.300	.150	13/032	229	—	—	—	229
2822	3.844	2.344	2.850	1.350	.172	13/035	284	48/75	—	—	284
2823	1.750	2.500	.505	1.130	.171	13/016	—	—	—	—	—
2824	6.344	4.188	4.300	2.150	.147	—	—	—	—	—	—
2825	4.188	6.344	2.150	4.300	.328	—	—	—	—	—	—
2826	3.750	5.438	1.715	.281	.264	—	—	—	—	—	—
2827	2.000	3.156	1.155	3.000	.188	—	—	—	—	—	—
2828	1.875	1.875	1.182	.527	.250	—	—	—	—	—	—
2829	1.875	1.875	1.182	.527	.180	—	—	—	—	—	—

Conductive Particle-filled Elastomers Series 800

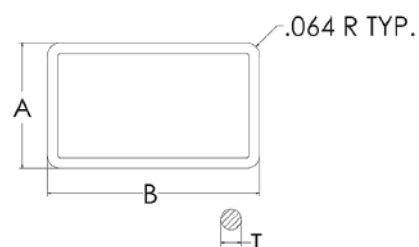
DIE-CUT CIRCULAR RECTANGULAR WAVEGUIDE CONNECTOR GASKETS

Part No.	A (in.)	B (in.)	C (in.)	D (in.)	Thick (in.)	Group I	Group II	Group III	Group IV	Group V	Group VI
2831	3.125	.632	1.382	.234	.027	13/019	137	50/106	344/441	—	—
2832	3.625	.882	1.882	.234	.027	13/026	187	49/95	149A/407	—	—
2833	5.312	1.350	2.850	.290	.027	13/033	284	48/75	53/584	—	—



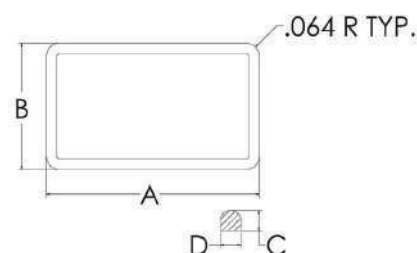
MOLDED RECTANGULAR / O-CROSS-SECTION WAVEGUIDE CONNECTOR GASKETS

Part No.	A (in.)	B (in.)	T (in.)	Group I	Group II	Group III	Group IV	Group V
2834	1.368	.868	.103	13/013	90	52/67	1360/61	90-G
2835	1.616	.991	.103	13/018	112	51/68	1494	—
2836	1.866	1.116	.103	13/023	137	50/106	1356/57	137-G
2837	2.449	1.449	.139	13/030	187	49/95	1352/53	187-G
2838	3.451	1.951	.139	13/037	284	48/75	1348/49	284-G

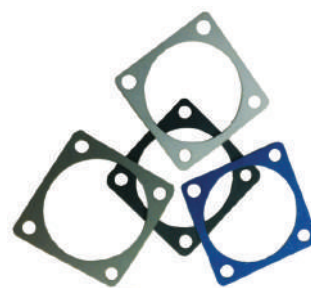
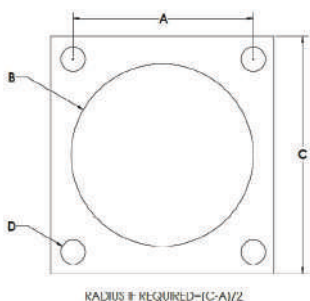


MOLDED RECTANGULAR WITH D-CROSS-SECTION WAVEGUIDE CONNECTOR GASKETS

Part No.	A (in.)	B (in.)	C (in.)	D (in.)	Group I
2840	.988	.290	.083	.127	6/001
2841	.988	.490	.083	.127	6/002
2842	3.000	.830	.083	.127	6/003
2843	5.280	1.340	.083	.127	6/004
2844	2.980	1.480	.125	.127	6/005
2845	5.970	1.500	.125	.187	—
2846	3.000	.830	.135	.187	—
2847	3.000	1.273	.135	.187	—
2849	5.280	1.340	.135	.187	—



Conductive Particle-filled Elastomers Series 800



CONNECTOR GASKETS

The following table shows the most commonly required connector gaskets for the military and commercial markets. The standard thickness is .032 in. +/- .005 in. To determine your required part number choose the material series (three digit number) from the description found throughout our catalog and add (separated by a hyphen) the four digit part number found below which best fits your dimensional requirements. The most commonly referenced specification for connector gaskets are grouped together below.

Group I	Group II	Group III	Group IV	Group V	Group VI
M83528	JT,PT,PC	MC38999	MC81511	AN	MC83723
85099	MC26482	SERIES	MS90484	MC5015	
	MS3110	I		HT&QWL	
	MS3112	II, IV		MS3100	
	MS3119	III		MS3102	
	MS3120				

Part No.	A (in.)	B (in.)	C (in.)	D (in.)	Group I	Group II	Group III	Group IV	Group V	Group VI
0901	.469	.375	.738	.141	4/001	6	—	—	—	6
0902	.469	.375	.688	.156	—	—	—	—	—	—
0903	.500	.348	.687	.100	—	—	—	—	—	—
0904	.500	.375	.812	.128	—	—	—	—	—	—
0905	.500	.437	.687	.100	—	—	—	—	—	—
0906	.500	.440	.800	.120	—	—	—	—	—	—
0907	.594	.500	.875	.172	—	—	—	—	—	—
0908	.594	.500	.875	.156	4/004	8	—	—	8	8
0909	.594	.531	.875	.120	—	—	—	—	—	—
0910	.594	.568	.812	.125	4/003	—	—	8	—	—
0911	.594	.630	.840	.135	4/002	—	118	—	—	—
0912	.641	.375	.953	.172	—	—	—	—	—	—
0913	.719	.609	.953	.120	—	—	—	—	—	—
0914	.719	.625	1.000	.156	4/007	10	—	—	10	10
0915	.719	.625	.938	.155	—	—	—	—	—	—
0916	.719	.656	1.000	.120	—	—	—	—	—	—
0917	.719	.680	.937	.125	4/006	—	—	10	—	—
0918	.719	.703	1.000	.156	—	—	—	—	—	—
0919	.719	.719	1.031	.130	—	—	—	—	—	—
0920	.719	.750	.965	.135	4/005	19/II10	—	—	—	—
0921	.734	.500	1.047	.172	—	—	—	—	—	—
0922	.750	.875	1.046	.141	—	—	—	—	—	—
0923	.812	.687	1.125	.172	—	—	—	—	—	—
0924	.812	.750	1.125	.156	—	—	—	—	—	—
0925	.812	.781	1.094	.120	—	—	—	—	—	—
0926	.812	.875	1.060	.141	4/008	II1/II12	—	—	—	—
0927	.812	.875	1.094	.143	—	—	—	—	—	—
0928	.813	.750	1.031	.156	—	—	—	—	—	—
0929	.813	.750	1.094	.141	4/009	12	—	—	12	12

Conductive Particle-filled Elastomers Series 800

Part No.	A (in.)	B (in.)	C (in.)	D (in.)	Group I	Group II	Group III	Group IV	Group V	Group VI
0930	.843	1.000	1.156	.141	—	—	—	—	—	—
0931	.906	.750	1.188	.156	—	—	—	—	—	—
0932	.906	.875	1.203	.125	—	—	—	—	—	—
0933	.906	.875	1.188	.156	4/012	14	—	—	14	14
0934	.906	.875	1.125	.156	—	—	—	—	—	—
0935	.906	.906	1.188	.120	—	—	—	—	—	—
0936	.906	.925	1.160	.125	—	—	—	—	—	—
0937	.906	.937	1.265	.140	—	—	—	—	—	—
0938	.906	.938	1.188	.120	—	—	—	—	—	—
0939	.906	.938	1.125	.125	4/011	—	—	14	—	—
0940	.906	.950	1.188	.120	—	—	—	—	—	—
0941	.906	.984	1.188	.125	—	—	—	—	—	—
0942	.906	1.000	1.156	.141	—	—	—	—	—	—
0943	.906	1.005	1.153	.135	4/010	I13/I14	—	—	—	—
0944	.938	.781	1.266	.125	—	—	—	—	—	—
0945	.938	.781	1.250	.172	—	—	—	—	—	—
0946	.968	1.187	1.281	.141	—	—	—	—	—	—
0947	.969	.875	1.281	.150	—	—	—	—	—	—
0948	.969	1.000	1.219	.156	—	—	—	—	—	—
0949	.969	1.000	1.281	.156	4/015	16	—	—	16	16
0950	.969	1.000	1.188	.065	—	—	—	—	—	—
0951	.969	1.031	1.281	.120	—	—	—	—	—	—
0952	.969	1.063	1.250	.125	4/014	—	—	16	—	—
0953	.969	1.063	1.250	.188	—	—	—	—	—	—
0954	.969	1.063	1.281	.120	—	—	—	—	—	—
0955	.969	1.135	1.258	.156	4/013	I15/I16	—	—	—	—
0956	1.000	1.000	1.406	.177	—	—	—	—	—	—
0957	1.015	1.250	1.406	.141	—	—	—	—	—	—
0958	1.030	.870	1.360	.120	—	—	—	—	—	—
0959	1.031	.875	1.344	.172	—	—	—	—	—	—
0960	1.031	1.000	1.344	.156	—	—	—	—	—	—
0961	1.062	.875	1.500	.177	—	—	—	—	—	—
0962	1.062	1.000	1.375	.166	—	—	—	—	—	—
0963	1.062	1.125	1.406	.149	—	—	—	—	—	—
0964	1.062	1.135	1.375	.156	4/018	18	—	—	18	18
0965	1.062	1.189	1.343	.125	4/017	—	—	18	—	—
0966	1.062	1.260	1.351	.156	4/016	I17/I18	—	—	—	—
0967	1.063	1.000	1.375	.128	—	—	—	—	—	—
0968	1.063	1.125	1.375	.203	—	—	—	—	—	—
0969	1.063	1.125	1.312	.156	—	—	—	—	—	—
0970	1.063	1.156	1.375	.120	—	—	—	—	—	—
0971	1.063	1.188	1.375	.120	—	—	—	—	—	—
0972	1.125	1.000	1.500	.188	—	—	—	—	—	—
0973	1.125	1.000	1.438	.172	—	—	—	—	—	—
0974	1.125	1.031	1.500	.173	—	—	—	—	—	—

Conductive Particle-filled Elastomers Series 800

Part No.	A (in.)	B (in.)	C (in.)	D (in.)	Group I	Group II	Group III	Group IV	Group V	Group VI
0975	1.125	1.062	1.437	.156	—	—	—	—	—	—
0976	1.125	1.125	1.437	.156	—	—	—	—	—	—
0977	1.132	1.312	1.687	.156	—	—	—	—	—	—
0978	1.132	1.439	1.740	.136	—	—	—	—	—	—
0979	1.132	1.560	1.735	.125	—	—	—	—	—	—
0980	1.140	1.437	1.531	.141	—	—	—	—	—	—
0981	1.156	1.140	1.500	.120	—	—	—	—	—	—
0982	1.156	1.219	1.500	.156	—	—	—	—	—	—
0983	1.156	1.250	1.500	.172	4/021	20	—	—	20	20
0984	1.156	1.281	1.469	.156	—	—	—	—	—	—
0985	1.156	1.281	1.500	.120	—	—	—	—	—	—
0986	1.156	1.312	1.467	.125	4/020	—	—	20	—	—
0987	1.156	1.375	1.500	.141	4/019	119/1120	—	—	—	—
0988	1.188	1.344	1.500	.171	—	—	—	—	—	—
0989	1.203	1.125	1.516	.172	—	—	—	—	—	—
0990	1.203	1.156	1.531	.125	—	—	—	—	—	—
0991	1.203	1.250	1.516	.156	—	—	—	—	—	—
0992	1.250	1.312	1.594	.173	—	—	—	—	—	—
0993	1.250	1.375	1.625	.203	—	—	—	—	—	—
0994	1.250	1.375	1.563	.130	—	—	—	—	—	—
0995	1.250	1.375	1.625	.172	4/024	22	—	—	22	22
0996	1.250	1.406	1.625	.120	—	—	—	—	—	—
0997	1.250	1.406	1.594	.141	—	—	—	—	—	—
0998	1.250	1.437	1.625	.120	—	—	—	—	—	—
0999	1.250	1.437	1.562	.125	4/023	—	—	22	—	—
2901	1.250	1.500	1.625	.141	4/022	121/112	—	—	—	—
2902	1.281	1.625	1.750	.141	—	—	—	—	—	—
2903	1.297	1.250	1.672	.172	—	—	—	—	—	—
2904	1.297	1.281	1.750	.173	—	—	—	—	—	—
2905	1.297	1.375	1.672	.125	—	—	—	—	—	—
2906	1.297	1.385	1.688	.150	—	—	—	—	—	—
2907	1.312	1.500	1.750	.125	—	—	—	—	—	—
2908	1.312	1.560	1.812	.125	—	—	—	—	—	—
2909	1.312	1.562	1.750	.140	—	—	—	—	—	—
2910	1.375	1.375	1.750	.172	—	—	—	—	—	—
2911	1.375	1.500	1.750	.188	—	—	—	—	—	—
2912	1.375	1.500	1.750	.203	4/027	24	—	—	24	24
2913	1.375	1.500	1.750	.125	—	—	—	—	—	—
2914	1.375	1.500	1.688	.156	—	—	—	—	—	—
2915	1.375	1.531	1.750	.147	—	—	—	—	—	—
2916	1.375	1.531	1.875	.109	—	—	—	—	—	—
2917	1.375	1.563	1.703	.152	4/026	—	—	24	—	—
2918	1.375	1.625	1.750	.172	4/025	123/1124	—	—	—	—
2919	1.380	1.440	1.800	.204	—	—	—	—	—	—
2920	1.392	1.750	1.843	.172	—	—	—	—	—	—
2921	1.437	1.250	2.000	.257	—	—	—	—	—	—

Conductive Particle-filled Elastomers Series 800

Part No.	A (in.)	B (in.)	C (in.)	D (in.)	Group I	Group II	Group III	Group IV	Group V	Group VI
2922	1.437	1.437	2.000	.257	—	—	—	—	—	—
2923	1.437	1.567	2.000	.257	—	—	—	—	—	—
2924	1.438	1.594	1.781	.136	—	—	—	—	—	—
2925	1.500	1.500	1.875	.172	—	—	—	—	—	—
2926	1.500	1.625	1.875	.156	—	—	—	—	—	—
2927	1.500	1.750	1.875	.172	4/028	125/IV25	—	—	—	—
2928	1.563	1.750	2.000	.203	4/029	—	—	—	24	—
2929	1.563	1.781	2.000	.188	—	—	—	—	—	—
2930	1.568	2.000	2.171	.172	—	—	—	—	—	—
2931	1.688	1.688	2.125	.195	—	—	—	—	—	—
2932	1.688	2.015	2.281	.219	—	—	—	—	—	—
2933	1.688	2.032	2.375	.125	—	—	—	—	—	—
2934	1.734	2.187	2.356	.203	—	—	—	—	—	—
2935	1.750	1.250	2.500	.312	—	—	—	—	—	—
2936	1.750	1.625	2.500	.312	—	—	—	—	—	—
2937	1.750	1.843	2.250	.219	—	—	—	—	—	—
2938	1.750	2.000	2.250	.219	4/030	—	—	—	28	—
2939	1.750	2.031	2.250	.219	—	—	—	—	—	—
2940	1.852	2.250	2.500	.177	—	—	—	—	—	—
2941	1.188	1.250	1.437	.125	—	—	—	—	—	—
2942	1.188	1.312	1.469	.125	—	—	—	—	—	—
2943	1.938	2.188	2.500	.219	—	—	—	—	—	—
2944	1.938	2.250	2.500	.219	4/031	—	—	—	36	—
2945	1.938	2.281	2.500	.281	—	—	—	—	—	—
2946	1.938	2.281	2.500	.173	—	—	—	—	—	—
2947	2.085	2.515	2.765	.236	—	—	—	—	—	—
2948	2.093	2.188	2.625	.221	—	—	—	—	—	—
2949	2.094	2.531	2.875	.138	—	—	—	—	—	—
2950	2.188	2.438	2.750	.219	—	—	—	—	—	—
2951	2.188	2.500	2.750	.219	4/032	—	—	—	40	—
2952	2.188	2.531	2.750	.173	—	—	—	—	—	—
2953	2.234	2.500	2.781	.166	—	—	—	—	—	—
2954	2.234	2.531	2.750	.173	—	—	—	—	—	—
2955	2.250	2.250	2.690	.201	—	—	—	—	—	—
2956	2.375	2.781	3.000	.219	4/033	—	—	—	44	—
2957	2.475	2.138	3.375	.166	—	—	—	—	—	—
2958	2.500	2.500	2.875	.154	—	—	—	—	—	—
2959	2.531	3.015	3.281	.281	—	—	—	—	—	—
2960	2.531	3.035	3.265	.296	—	—	—	—	—	—
2961	2.625	3.031	3.250	.219	4/034	—	—	—	48	—
2962	3.000	2.000	4.000	.281	—	—	—	—	—	—
2963	3.250	3.125	3.812	.312	—	—	—	—	—	—
2964	3.375	2.938	4.000	.180	—	—	—	—	—	—
2965	3.800	3.000	4.500	.250	—	—	—	—	—	—
2966	3.875	4.000	4.500	.281	—	—	—	—	—	—