

Conduct-O-Seal Combo Gasket

ECS2 Series

The ECS2 series gaskets combine bonding mesh in parallel with an elastomer environmental sealing strip. The knitted mesh can be made from Monel, SnCuFe (tin-plated, copper-clad steel), or aluminum wire. The elastomer seal is available in silicone or neoprene, sponge or solid.



APPLICATIONS

ECS2 Series are recommended for applications which require a weather seal in addition to an EMI/EMP shielding. This type of gasketing is also useful in applications that require shielding only and where the adhesive backing on the elastomer provides convenient mounting. The uses include sealing of enclosure doors, access panels or vent panels.

AVAILABLE CONFIGURATIONS

We offer strips with an adhesive backing which allows simple application and alignment of the gasket. ECS2 Series is also available with a silicone or neoprene, solid or sponge elastomer seal. For the solid elastomer seal, the mesh is 0.032" higher than the elastomer because the solid elastomer is not easily compressed compared to the wire mesh. If sponge is needed, over-compression at the bolt holes can be eluded by bonding washer type metal compression stops within the seal.

Material Specifications

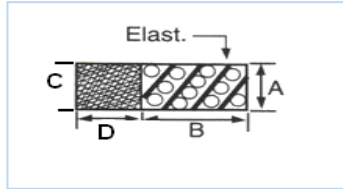
Monel Wire -.0035"/.0045 Diameter	QQ-N-281
SnCuFe Wire	ASTM-B-520, 2-3% tin plating, 30-40% copper cladding and balance of weight is steel
Aluminum Wire-.005" Diameter	Alloy 5056, AMS-4182
Tin-Plated Phosphor	Phosphor Bronze Per ASTM-B-105
Bronze Wire-.0045" Diameter	Tin-Plate Per ASTM-B-33
Neoprene Sponge Elastomer	MIL-R-6130B Type II Grade A, Condition Medium
Silicone Sponge Elastomer	AMS-3195
Neoprene Solid Elastomer	Mil-R-6855 Class II, Grade 40
Silicone Solid Elastomer	ZZ-R-765 Class 2B, Grade 40



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SPONGE ELASTOMER WITH MESH STRIP

ELASTOMER		MESH		WITHOUT P.S.A.				WITH P.S.A.			
HEIGHT A	WIDTH B	HEIGHT C	WIDTH D	NEOPRENE SPONGE		SILICONE SPONGE		NEOPRENE SPONGE		SILICONE SPONGE	
				MONEL	SnCuFe	MONEL	SnCuFe	MONEL	SnCuFe	MONEL	SnCuFe
0.062 (1.57)	0.250 (6.35)	0.062 (1.57)	0.125 (3.18)	ECS2-1	ECS2-2	ECS2-3	ECS2-4	ECS2-5	ECS2-6	ECS2-7	ECS2-8
0.062 (1.57)	0.375 (9.53)	0.062 (1.57)	0.125 (3.18)	ECS2-9	ECS2-10	ECS2-11	ECS2-12	ECS2-13	ECS2-14	ECS2-15	ECS2-16
0.062 (1.57)	0.500 (12.70)	0.062 (1.57)	0.125 (3.18)	ECS2-17	ECS2-18	ECS2-19	ECS2-20	ECS2-21	ECS2-22	ECS2-23	ECS2-24
0.062 (1.57)	0.625 (15.88)	0.062 (1.57)	0.125 (3.18)	ECS2-25	ECS2-26	ECS2-27	ECS2-28	ECS2-29	ECS2-30	ECS2-31	ECS2-32
0.093 (2.36)	0.250 (6.35)	0.093 (2.36)	0.125 (3.18)	ECS2-33	ECS2-34	ECS2-35	ECS2-36	ECS2-37	ECS2-38	ECS2-39	ECS2-40
0.093 (2.36)	0.375 (9.53)	0.093 (2.36)	0.125 (3.18)	ECS2-41	ECS2-42	ECS2-43	ECS2-44	ECS2-45	ECS2-46	ECS2-47	ECS2-48
0.093 (2.36)	0.500 (12.70)	0.093 (2.36)	0.125 (3.18)	ECS2-49	ECS2-50	ECS2-51	ECS2-52	ECS2-53	ECS2-54	ECS2-55	ECS2-56
0.093 (2.36)	0.750 (19.05)	0.093 (2.36)	0.125 (3.18)	ECS2-57	ECS2-58	ECS2-59	ECS2-60	ECS2-61	ECS2-62	ECS2-63	ECS2-64
0.125 (3.18)	0.125 (3.18)	0.125 (3.18)	0.125 (3.18)	ECS2-65	ECS2-66	ECS2-67	ECS2-68	ECS2-69	ECS2-70	ECS2-71	ECS2-72
0.125 (3.18)	0.188 (4.78)	0.125 (3.18)	0.125 (3.18)	ECS2-73	ECS2-74	ECS2-75	ECS2-76	ECS2-77	ECS2-78	ECS2-79	ECS2-80
0.125 (3.18)	0.250 (6.35)	0.125 (3.18)	0.125 (3.18)	ECS2-81	ECS2-82	ECS2-83	ECS2-84	ECS2-85	ECS2-86	ECS2-87	ECS2-88
0.125 (3.18)	0.250 (6.35)	0.125 (3.18)	0.250 (6.35)	ECS2-89	ECS2-90	ECS2-91	ECS2-92	ECS2-93	ECS2-94	ECS2-95	ECS2-96
0.125 (3.18)	0.375 (9.53)	0.125 (3.18)	0.125 (3.18)	ECS2-97	ECS2-98	ECS2-99	ECS2-100	ECS2-101	ECS2-102	ECS2-103	ECS2-104
0.125 (3.18)	0.500 (12.70)	0.125 (3.18)	0.125 (3.18)	ECS2-105	ECS2-106	ECS2-107	ECS2-108	ECS2-109	ECS2-110	ECS2-111	ECS2-112
0.125 (3.18)	0.500 (12.70)	0.125 (3.18)	0.250 (6.35)	ECS2-113	ECS2-114	ECS2-115	ECS2-116	ECS2-117	ECS2-118	ECS2-119	ECS2-120
0.125 (3.18)	0.500 (12.70)	0.125 (3.18)	0.500 (12.70)	ECS2-121	ECS2-122	ECS2-123	ECS2-124	ECS2-125	ECS2-126	ECS2-127	ECS2-128
0.125 (3.18)	0.625 (15.88)	0.125 (3.18)	0.125 (3.18)	ECS2-129	ECS2-130	ECS2-131	ECS2-132	ECS2-133	ECS2-134	ECS2-135	ECS2-136
0.125 (3.18)	0.750 (19.05)	0.125 (3.18)	0.125 (3.18)	ECS2-137	ECS2-138	ECS2-139	ECS2-140	ECS2-141	ECS2-142	ECS2-143	ECS2-144
0.188 (4.78)	0.188 (4.78)	0.188 (4.78)	0.125 (3.18)	ECS2-145	ECS2-146	ECS2-147	ECS2-148	ECS2-149	ECS2-150	ECS2-151	ECS2-152
0.188 (4.78)	0.250 (6.35)	0.188 (4.78)	0.125 (3.18)	ECS2-153	ECS2-154	ECS2-155	ECS2-156	ECS2-157	ECS2-158	ECS2-159	ECS2-160
0.188 (4.78)	0.375 (9.53)	0.188 (4.78)	0.125 (3.18)	ECS2-161	ECS2-162	ECS2-163	ECS2-164	ECS2-165	ECS2-166	ECS2-167	ECS2-168
0.188 (4.78)	0.500 (12.70)	0.188 (4.78)	0.125 (3.18)	ECS2-169	ECS2-170	ECS2-171	ECS2-172	ECS2-173	ECS2-174	ECS2-175	ECS2-176
0.188 (4.78)	0.750 (19.05)	0.188 (4.78)	0.250 (6.35)	ECS2-177	ECS2-178	ECS2-179	ECS2-180	ECS2-181	ECS2-182	ECS2-183	ECS2-184
0.250 (6.35)	0.250 (6.35)	0.250 (6.35)	0.125 (3.18)	ECS2-185	ECS2-186	ECS2-187	ECS2-188	ECS2-189	ECS2-190	ECS2-191	ECS2-192
0.250 (6.35)	0.500 (12.70)	0.250 (6.35)	0.125 (3.18)	ECS2-193	ECS2-194	ECS2-195	ECS2-196	ECS2-197	ECS2-198	ECS2-199	ECS2-200
0.250 (6.35)	0.750 (19.05)	0.250 (6.35)	0.125 (3.18)	ECS2-201	ECS2-202	ECS2-203	ECS2-204	ECS2-205	ECS2-206	ECS2-207	ECS2-208
0.375 (9.53)	0.250 (6.35)	0.375 (9.53)	0.125 (3.18)	ECS2-209	ECS2-210	ECS2-211	ECS2-212	ECS2-213	ECS2-214	ECS2-215	ECS2-216
0.375 (9.53)	0.500 (12.70)	0.375 (9.53)	0.250 (6.35)	ECS2-217	ECS2-218	ECS2-219	ECS2-220	ECS2-221	ECS2-222	ECS2-223	ECS2-224
0.375 (9.53)	0.750 (19.05)	0.375 (9.53)	0.250 (6.35)	ECS2-225	ECS2-226	ECS2-227	ECS2-228	ECS2-229	ECS2-230	ECS2-231	ECS2-232

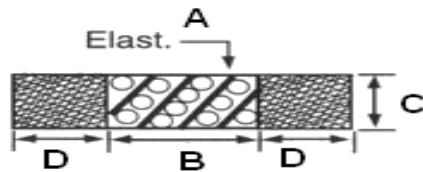
NOTE- DIMENSIONS ARE IN INCHES AND (MM) / SPONGE ELASTOMER WITH TWO MESH STRIPS ALSO AVAILABLE UPON REQUEST



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ECS2 Series



SPONGE ELASTOMER WITH TWO MESH STRIPS

ELASTOMER		MESH		WITHOUT P.S.A.				WITH P.S.A.			
				NEOPRENE SPONGE		SILICONE SPONGE		NEOPRENE SPONGE		SILICONE SPONGE	
HEIGHT A	WIDTH B	HEIGHT C	WIDTH D	MONEL	SnCuFe	MONEL	SnCuFe	MONEL	SnCuFe	MONEL	SnCuFe
0.093 (2.36)	0.250 (6.35)	0.093 (2.36)	0.125 (3.18)	ECS2-233	ECS2-234	ECS2-235	ECS2-236	ECS2-237	ECS2-238	ECS2-239	ECS2-240
0.093 (2.36)	0.375 (9.53)	0.093 (2.36)	0.125 (3.18)	ECS2-241	ECS2-242	ECS2-243	ECS2-244	ECS2-245	ECS2-246	ECS2-247	ECS2-248
0.093 (2.36)	0.500 (12.70)	0.093 (2.36)	0.125 (3.18)	ECS2-249	ECS2-250	ECS2-251	ECS2-252	ECS2-253	ECS2-254	ECS2-256	ECS2-257
0.093 (2.36)	0.750 (19.05)	0.093 (2.36)	0.125 (3.18)	ECS2-258	ECS2-259	ECS2-260	ECS2-261	ECS2-262	ECS2-263	ECS2-264	ECS2-265
0.125 (3.18)	0.125 (3.18)	0.125 (3.18)	0.125 (3.18)	ECS2-266	ECS2-267	ECS2-268	ECS2-269	ECS2-270	ECS2-271	ECS2-272	ECS2-273
0.125 (3.18)	0.188 (4.78)	0.125 (3.18)	0.125 (3.18)	ECS2-274	ECS2-275	ECS2-276	ECS2-277	ECS2-278	ECS2-279	ECS2-280	ECS2-281
0.125 (3.18)	0.250 (6.35)	0.125 (3.18)	0.125 (3.18)	ECS2-282	ECS2-283	ECS2-284	ECS2-285	ECS2-286	ECS2-287	ECS2-288	ECS2-289
0.125 (3.18)	0.250 (6.35)	0.125 (3.18)	0.250 (6.35)	ECS2-290	ECS2-291	ECS2-292	ECS2-293	ECS2-294	ECS2-295	ECS2-296	ECS2-297
0.125 (3.18)	0.375 (9.53)	0.125 (3.18)	0.125 (3.18)	ECS2-298	ECS2-299	ECS2-300	ECS2-301	ECS2-302	ECS2-303	ECS2-304	ECS2-305
0.125 (3.18)	0.500 (12.70)	0.125 (3.18)	0.125 (3.18)	ECS2-306	ECS2-307	ECS2-308	ECS2-309	ECS2-310	ECS2-311	ECS2-312	ECS2-313
0.125 (3.18)	0.500 (12.70)	0.125 (3.18)	0.250 (6.35)	ECS2-314	ECS2-315	ECS2-316	ECS2-317	ECS2-318	ECS2-319	ECS2-320	ECS2-321
0.125 (3.18)	0.500 (12.70)	0.125 (3.18)	0.500 (12.70)	ECS2-322	ECS2-323	ECS2-324	ECS2-325	ECS2-326	ECS2-327	ECS2-328	ECS2-329
0.125 (3.18)	0.625 (15.88)	0.125 (3.18)	0.125 (3.18)	ECS2-340	ECS2-341	ECS2-342	ECS2-343	ECS2-344	ECS2-345	ECS2-346	ECS2-347
0.125 (3.18)	0.750 (19.05)	0.125 (3.18)	0.125 (3.18)	ECS2-348	ECS2-349	ECS2-350	ECS2-351	ECS2-352	ECS2-353	ECS2-354	ECS2-355
0.188 (4.78)	0.188 (4.78)	0.188 (4.78)	0.125 (3.18)	ECS2-356	ECS2-357	ECS2-358	ECS2-359	ECS2-360	ECS2-361	ECS2-362	ECS2-363
0.188 (4.78)	0.250 (6.35)	0.188 (4.78)	0.125 (3.18)	ECS2-364	ECS2-365	ECS2-366	ECS2-367	ECS2-368	ECS2-369	ECS2-370	ECS2-371
0.188 (4.78)	0.375 (9.53)	0.188 (4.78)	0.125 (3.18)	ECS2-372	ECS2-373	ECS2-374	ECS2-375	ECS2-376	ECS2-378	ECS2-379	ECS2-380
0.188 (4.78)	0.500 (12.70)	0.188 (4.78)	0.125 (3.18)	ECS2-381	ECS2-382	ECS2-383	ECS2-384	ECS2-385	ECS2-386	ECS2-387	ECS2-388
0.188 (4.78)	0.750 (19.05)	0.188 (4.78)	0.250 (6.35)	ECS2-389	ECS2-390	ECS2-391	ECS2-392	ECS2-393	ECS2-394	ECS2-395	ECS2-396
0.250 (6.35)	0.250 (6.35)	0.250 (6.35)	0.125 (3.18)	ECS2-397	ECS2-398	ECS2-399	ECS2-400	ECS2-401	ECS2-402	ECS2-403	ECS2-404
0.250 (6.35)	0.500 (12.70)	0.250 (6.35)	0.125 (3.18)	ECS2-405	ECS2-406	ECS2-407	ECS2-408	ECS2-409	ECS2-410	ECS2-411	ECS2-412
0.250 (6.35)	0.750 (19.05)	0.250 (6.35)	0.125 (3.18)	ECS2-413	ECS2-414	ECS2-415	ECS2-416	ECS2-417	ECS2-418	ECS2-419	ECS2-420

DIFFERENT PROFILES AVAILABLE UPON REQUEST



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