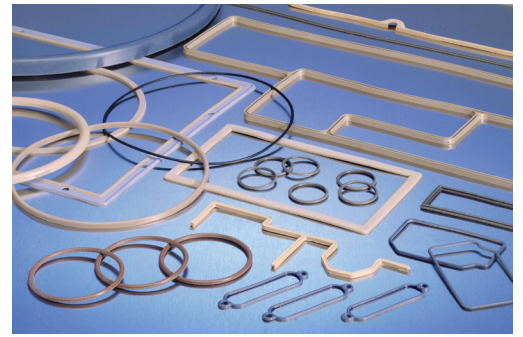


Conductive Elastomer Molded D- and O-Rings



MOLDED D- AND O-RINGS

Parker Chomerics D-Ring and O-Ring gaskets provide moisture/pressure sealing and EMI/EMP shielding when compressed in a properly designed groove. They are interchangeable with standard non-conductive seals of the same dimensions. Rings with ID's greater than 2 in. (51 mm) can be made by splicing extruded materials rather than by molding if groove corner radii are generous. Consult Parker Chomerics before ordering.

Note: Grooves for solid D-Rings should be designed to assure 8 to 20% deflection of the gasket height, and 97% maximum groove fill when groove dimensions are on the low side and gasket dimensions are on the high side of the allowable tolerance. For O-Ring grooves, use 10 to 25% deflection of the gasket, and 97% maximum groove fill. Table 1 provides general tolerances for Molded D-Ring and Table 3 provides general tolerances for Molded O-Ring conductive elastomer gaskets.



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ORDERING PROCEDURE

Select the part number from Table 2 (D-Rings) and Table 4 (O-Rings). Additional sizes are available. For custom sizes, drawings must be provided. Part number will be assigned by Chomerics.



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Molded D- and O-Ring Gasket - Product Information

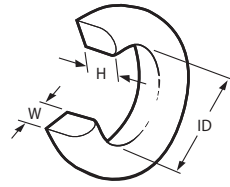


Table 1

Molded D-Ring Gaskets inches (mm)	TOLERANCE inches (mm)
Cross Section	
0.040 to 0.069 (1.02-1.75)	±0.003 (±0.08)
0.070 to 0.100 (1.78-2.54)	±0.004 (±0.10)
0.101 to 0.200 (2.57-5.08)	±0.005 (±0.13)
0.201 to 0.350 (5.11-8.89)	±0.008 (±0.20)
Inside Diameters	
0.100 to 1.500 (2.54 to 38.10)	±0.010 (±0.25)
1.501 to 2.500 (38.13 to 63.50)	±0.015 (±0.38)
2.501 to 4.500 (63.53 to 114.30)	±0.020 (±0.51)
4.501 to 7.000 (114.33 to 177.80)	±0.025 (±0.64)
>7.00 (>177.80)	±0.35% of nom. dim.

ORDERING PROCEDURE

Select the part number from Table 2 (D-Rings) and Table 4 (O-Rings). Additional sizes are available. For custom sizes, drawings must be provided. Part number will be assigned by Chomerics.

Table 2

D-RINGS			
Chomerics P/N	Nominal Dimensions inches (mm)		
	H	W	ID
10-01-6515-XXXXX	0.048 (1.22)	0.078 (1.98)	0.587 (14.91)
10-01-1238-XXXXX	0.059 (1.50)	0.093 (2.36)	2.705 (68.71)
10-01-1239-XXXXX	0.059 (1.50)	0.095 (2.41)	3.193 (81.10)
10-01-1240-XXXXX	0.061 (1.55)	0.025 (0.66)	0.180 (4.57)
10-01-1241-XXXXX	0.061 (1.55)	0.039 (0.99)	0.151 (3.84)
10-01-1628-XXXXX	0.062 (1.57)	0.096 (2.44)	1.562 (39.67)
10-01-1154-XXXXX	0.062 (1.57)	0.069 (1.75)	0.893 (22.68)
10-01-1375-XXXXX	0.066 (1.68)	0.059 (1.50)	0.565 (14.35)
10-01-6525-XXXXX	0.067 (1.70)	0.097 (2.46)	1.094 (27.79)
10-01-1142-XXXXX	0.069 (1.75)	0.094 (2.39)	1.072 (27.23)
10-01-1188-XXXXX	0.070 (1.78)	0.065 (1.65)	0.809 (20.55)
10-01-1623-XXXXX	0.073 (1.85)	0.034 (0.86)	0.230 (5.84)
10-01-1143-XXXXX	0.076 (1.93)	0.097 (2.46)	1.460 (37.08)
10-01-1601-XXXXX	0.076 (1.93)	0.095 (2.41)	1.397 (35.48)
10-01-1144-XXXXX	0.076 (1.93)	0.097 (2.46)	1.581 (40.16)
10-01-2238-XXXXX	0.076 (1.93)	0.113 (2.87)	1.262 (32.05)
10-01-6540-XXXXX	0.077 (1.96)	0.103 (2.62)	1.511 (38.37)
10-01-6535-XXXXX	0.083 (2.11)	0.093 (2.36)	1.357 (34.48)
10-01-1187-XXXXX	0.101 (2.57)	0.130 (3.30)	0.592 (15.04)
10-01-1131-XXXXX	0.118 (2.98)	0.174 (4.42)	1.385 (35.18)
10-01-6520-XXXXX	0.125 (3.18)	0.155 (3.94)	0.885 (22.48)
10-01-1264-XXXXX	0.123 (3.12)	0.123 (3.12)	0.853 (21.67)
10-01-1766-XXXXX	0.125 (3.18)	0.138 (3.51)	2.859 (72.62)
10-01-1120-XXXXX	0.130 (7.69)	0.180 (4.57)	3.412 (86.66)
10-01-6565-XXXXX	0.188 (4.78)	0.234 (5.94)	3.837 (37.46)

-XXXXX designates material (1215, 1285, etc). Refer to Parker Chomerics Conductive Elastomer EMI Gaskets Molded and Extruded Materials Selector Guide for details. Note that these parts are available only in Cho-Seal materials with the "M" (Molded) format.

Molded D- and O-Ring Gasket - Product Information

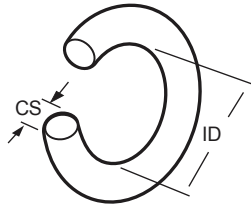


Table 3

Molded O-Ring Gaskets inches (mm)	TOLERANCE inches (mm)
Cross Section	
0.040 to 0.069 (1.02-1.75)	±0.003 (±0.08)
0.070 to 0.100 (1.78-2.54)	±0.004 (±0.10)
0.101 to 0.200 (2.57-5.08)	±0.005 (±0.13)
0.201 to 0.350 (5.11-8.89)	±0.008 (±0.20)
Inside Diameter	
0.100 to 1.500 (2.54 to 38.10)	±0.010 (±0.25)
1.501 to 2.500 (38.13 to 63.50)	±0.015 (±0.38)
2.501 to 4.500 (63.53 to 114.30)	±0.020 (±0.51)
4.501 to 7.000 (114.33 to 177.80)	±0.025 (±0.64)
>7.00 (>177.80)	±0.35% of nom. dim.

Table 4

O-RINGS				
Chomerics P/N*	MIL P/N: M83528/00 []X'-()	MS 29513 MS 9021 Dash No.	Dimensions inches (mm)	
			CS	ID
10-00-2231-XXXX	[5] (001)	—	0.030 (0.76)	0.442 (11.23)
10-00-2232-XXXX	[5] (002)	—	0.030 (0.76)	0.577 (14.66)
10-00-2259-XXXX	[5] (003)	—	0.030 (0.76)	0.692 (17.58)
10-00-2233-XXXX	[5] (004)	—	0.030 (0.76)	0.817 (20.75)
10-00-1413-XXXX	[5] (005)	—	0.039 (0.99)	0.425 (10.80)
10-00-2777-XXXX	[5] (006)	—	0.048 (1.22)	0.295 (7.49)
10-00-1406-XXXX	[5] (007)	—	0.050 (1.27)	0.533 (13.54)
10-00-1405-XXXX	[5] (008)	—	0.051 (1.30)	0.446 (11.33)
10-00-1407-XXXX	[5] (009)	—	0.057 (1.45)	0.415 (10.54)
10-00-1376-XXXX	[5] (010)	—	0.063 (1.60)	0.541 (13.74)
10-00-1342-XXXX	[5] (011)	—	0.063 (1.60)	0.648 (16.46)
10-00-1631-XXXX	[5] (012)	—	0.068 (1.73)	0.847 (21.51)
10-00-1770-XXXX	[5] (013)	—	0.068 (1.73)	1.182 (30.02)
10-00-1478-XXXX	[5] (014)	—	0.068 (1.73)	3.165 (80.39)
10-00-3811-XXXX	[2] (007)	007	0.070 (1.78)	0.145 (3.68)
10-00-2226-XXXX	[2] (011)	011	0.070 (1.78)	0.301 (7.65)
10-00-5983-XXXX	[2] (012)	012	0.070 (1.78)	0.364 (9.25)
10-00-2227-XXXX	[2] (013)	013	0.070 (1.78)	0.426 (10.82)
10-00-1980-XXXX	[2] (014)	014	0.070 (1.78)	0.489 (12.42)
10-00-0008-XXXX	[5] (015)	—	0.070 (1.78)	0.495 (15.57)

Table 4

O-RINGS				
Chomerics P/N*	MIL P/N: M83528/00 []X'-()	MS 29513 MS 9021 Dash No.	Dimensions inches (mm)	
			CS	ID
10-00-2065-XXXX	[2] (015)	015	0.070 (1.78)	0.551 (14.00)
10-00-0010-XXXX	[5] (016)	—	0.070 (1.78)	0.610 (15.49)
10-00-2085-XXXX	[5] (017)	—	0.070 (1.78)	0.635 (16.13)
10-00-1689-XXXX	[5] (018)	—	0.070 (1.78)	0.667 (16.94)
10-00-2066-XXXX	[2] (017)	017	0.070 (1.78)	0.676 (17.17)
10-00-1690-XXXX	(NA)	—	0.070 (1.78)	0.738 (18.75)
10-00-0012-XXXX	(NA)	—	0.070 (1.78)	0.735 (18.67)
10-00-2075-XXXX	[2] (018)	108	0.070 (1.78)	0.739 (18.77)
10-00-1981-XXXX	[2] (019)	019	0.070 (1.78)	0.801 (20.35)
10-00-0014-XXXX	[5] (019)	—	0.070 (1.78)	0.860 (21.85)
10-00-2076-XXXX	[2] (020)	020	0.070 (1.78)	0.864 (21.95)
10-00-1843-XXXX	[2] (021)	021	0.070 (1.78)	0.926 (23.52)
10-00-2068-XXXX	[2] (022)	022	0.070 (1.78)	0.989 (25.12)
10-00-2536-XXXX	(NA)	—	0.070 (1.78)	1.046 (26.57)
10-00-2029-XXXX	(NA)	—	0.070 (1.78)	1.110 (28.19)
10-00-2069-XXXX	[2] (024)	024	0.070 (1.78)	1.114 (28.30)
10-00-1844-XXXX	(NA)	—	0.070 (1.78)	1.176 (29.87)
10-00-2084-XXXX	[5] (020)	—	0.070 (1.78)	1.230 (31.24)
10-00-2070-XXXX	[2] (026)	026	0.070 (1.78)	1.239 (31.47)
10-00-2535-XXXX	(NA)	—	0.070 (1.78)	1.296 (32.92)

* For certain materials and configurations, a minimum order requirement may apply.

-XXXX designates material (1215, 1285, etc.). Refer to Chomerics Conductive Elastomer EMI Gaskets Molded and Extruded Materials Selector Guide for details. Note that these parts are available only in Cho-Seal materials with the "M" (Molded) format.

† "X" should be replaced by applicable MIL-DTL-83528 material type (e.g., A, B, C, etc.). Number in bracket is MIL-DTL-83528 slash sheet. Number in parentheses is MIL-DTL-83528 dash number. Insert them (without brackets or parentheses) to complete MIL P/N.

Molded D- and O-Ring Gasket - Product Information

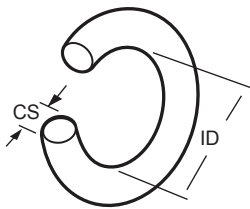


Table 3

Molded O-Ring Gaskets inches (mm)	TOLERANCE inches (mm)
Cross Section	
0.040 to 0.069 [1.02-1.75]	±0.003 (±0.08)
0.070 to 0.100 [1.78-2.54]	±0.004 (±0.10)
0.101 to 0.200 [2.57-5.08]	±0.005 (±0.13)
0.201 to 0.350 [5.11-8.89]	±0.008 (±0.20)
Inside Diameter	
0.100 to 1.500 [2.54 to 38.10]	±0.010 (±0.25)
1.501 to 2.500 [38.13 to 63.50]	±0.015 (±0.38)
2.501 to 4.500 [63.53 to 114.30]	±0.020 (±0.51)
4.501 to 7.000 [114.33 to 177.80]	±0.025 (±0.64)
>7.00 [>177.80]	±0.35% of nom. dim.

Table 4 continued

O-RINGS				
Chomerics P/N*	MIL P/N: M83528/00 []X'-()	MS 29513 MS 9021 Dash No.	Dimensions inches (mm)	
			CS	ID
10-00-2228-XXXX	(NA)	—	0.070 [1.78]	1.362 [34.59]
10-00-2071-XXXX	[2] [028]	028	0.070 [1.78]	1.364 [34.65]
10-00-0024-XXXX	(NA)	—	0.070 [1.78]	1.485 [37.72]
10-00-2677-XXXX	(NA)	—	0.070 [1.78]	1.609 [40.87]
10-00-4123-XXXX	(NA)	030	0.070 [1.78]	1.614 [41.00]
10-00-2229-XXXX	(NA)	—	0.070 [1.78]	1.674 [42.52]
10-00-0028-XXXX	(NA)	—	0.070 [1.78]	1.735 [44.07]
10-00-4124-XXXX	(NA)	032	0.070 [1.78]	1.864 [47.35]
10-00-0032-XXXX	(NA)	—	0.070 [1.78]	1.980 [50.29]
10-00-2230-XXXX	(NA)	—	0.070 [1.78]	3.009 [76.43]
10-00-0052-XXXX	(NA)	—	0.070 [1.78]	3.170 [80.52]
10-00-2040-XXXX	(NA)	043	0.070 [1.78]	3.489 [88.62]
10-00-2320-XXXX	(NA)	—	0.076 [1.93]	0.656 [16.66]
10-00-2321-XXXX	(NA)	—	0.076 [1.93]	0.779 [19.79]
10-00-1827-XXXX	(NA)	—	0.084 [2.13]	0.852 [21.64]
10-00-0044-XXXX	(NA)	—	0.084 [2.13]	2.678 [68.02]
10-00-0020-XXXX	(NA)	—	0.087 [2.21]	1.250 [31.75]
10-00-0038-XXXX	(NA)	—	0.087 [2.21]	2.360 [59.94]
10-00-3550-XXXX	(NA)	—	0.094 [2.39]	0.750 [19.05]
10-00-1459-XXXX	(NA)	—	0.095 [2.41]	0.897 [22.78]
10-00-1378-XXXX	(NA)	—	0.095 [2.41]	1.074 [27.28]

Table 4 continued

O-RINGS				
Chomerics P/N*	MIL P/N: M83528/00 []X'-()	MS 29513 MS 9021 Dash No.	Dimensions inches (mm)	
			CS	ID
10-00-4452-XXXX	(NA)	—	0.100 [2.54]	1.005 [25.53]
10-00-1754-XXXX	(NA)	—	0.101 [2.57]	2.805 [71.25]
10-00-1359-XXXX	(NA)	—	0.101 [2.57]	3.153 [80.87]
10-00-1360-XXXX	(NA)	—	0.101 [2.57]	3.613 [80.87]
10-00-1921-XXXX	[2] [114]	—	0.103 [2.62]	0.799 [20.29]
10-00-4685-XXXX	[5] [021]	—	0.103 [2.62]	1.040 [26.42]
10-00-2086-XXXX	(NA)	—	0.103 [2.62]	1.240 [31.50]
10-00-1845-XXXX	[2] [126]	—	0.103 [2.62]	1.362 [34.59]
10-00-2072-XXXX	[2] [128]	128	0.103 [2.62]	1.487 [37.77]
10-00-1846-XXXX	[5] [022]	130	0.103 [2.62]	1.612 [40.94]
10-00-2031-XXXX	[2] [132]	132	0.103 [2.62]	1.737 [44.12]
10-00-2087-XXXX	[5] [023]	—	0.103 [2.62]	1.790 [45.47]
10-00-2030-XXXX	[2] [142]	142	0.103 [2.62]	2.362 [59.99]
10-00-1691-XXXX	[2] [155]	—	0.103 [2.62]	3.987 [101.27]
10-00-1573-XXXX	(NA)	—	0.115 [2.92]	2.876 [73.05]
10-00-1607-XXXX	(NA)	—	0.147 [3.73]	2.265 [57.53]
10-00-1608-XXXX	(NA)	—	0.147 [3.73]	3.690 [93.73]
10-00-1782-XXXX	(NA)	—	0.188 [4.78]	0.673 [17.09]
10-00-1746-XXXX	(NA)	—	0.210 [5.33]	3.475 [12.07]
10-00-1354-XXXX	(NA)	—	0.243 [6.17]	3.409 [86.59]
10-00-1747-XXXX	(NA)	—	0.394 [10.01]	3.464 [87.99]

* For certain materials and configurations, a minimum order requirement may apply. -XXXX designates material (1215, 1285, etc). Refer to Chomerics Conductive Elastomer EMI Gaskets Molded and Extruded Materials Selector Guide for details. Note that these parts are available only in Cho-Seal materials with the "M" (Molded) format.

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