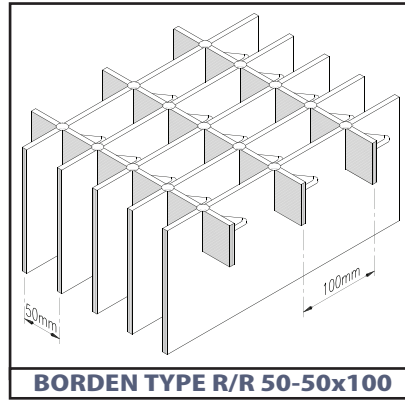


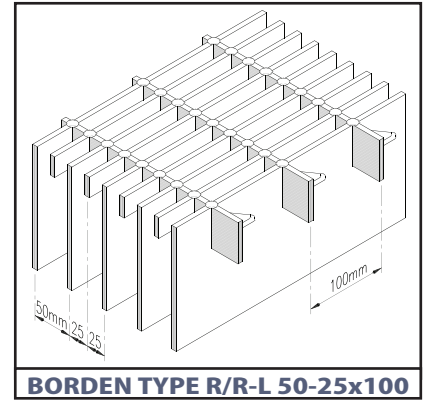
BORDEN GRATINGS

www.bordengratings.com

Rectangular Roadway Grating



BORDEN TYPE R/R 50-50x100



BORDEN TYPE R/R-L 50-25x100

LOAD TABLE

Bearing Bar Size	Weight		Moment of Inertia	Section Modulus	CAN/CSA-S6-06 CL-625 (in.) (mm.)								AASHTO HS20-1996 (in.) (mm.)			
					Bearing Bars Parallel to Traffic				Bearing Bars Perpendicular to Traffic							
	R/R	R/R-L														
	lbs./sq.ft.	lbs./sq.ft.			Strength	Deflection			Strength	Deflection			Strength	Deflection		
	kg/sq.m	kg/sq.m				L/800	L/700	L/600		L/800	L/700	L/600		L/800	L/700	L/600
4" x 1/4"	23.97	29.16	7.791	3.426	50.3	44.1	47.1	-	30.7	-	-	-	55.2	43.5	46.2	49.5
102 x 6.35	117.03	142.37	1.06E+07	1.84E+05	1278	1120	1196	-	780	-	-	-	1402	1105	1173	1257
4 1/2" x 1/4"	2.56	31.75	10.924	4.157	60.0	52.1	55.6	-	34.7	-	-	-	64.8	50.7	53.9	58.0
114 x 6.35	12.50	155.02	1.49E+07	2.24E+05	1524	1323	1412	-	881	-	-	-	1646	1288	1369	1473
5" x 1/4"	29.16	34.34	14.813	4.980	70.9	60.5	64.6	69.7	39.3	-	-	-	75.7	58.4	62.2	67.0
127 x 6.35	142.37	167.66	2.02E+07	2.68E+05	1801	1537	1641	1770	998	-	-	-	1923	1483	1580	1702
5 1/2" x 1/4"	31.75	36.93	19.550	5.913	83.2	69.4	72.2	80.0	44.4	-	-	-	88.0	66.6	71.0	76.5
140 x 6.35	155.02	180.31	2.67E+07	3.18E+05	2113	1763	1834	2032	1128	-	-	-	2235	1692	1803	1943
6" x 1/4"	34.34	39.53	25.231	6.956	97.0	78.7	84.1	90.8	50.2	-	-	-	101.7	75.3	80.4	86.6
152 x 6.35	167.66	193.00	3.45E+07	3.74E+05	2464	1999	2136	2306	1275	-	-	-	2583	1913	2042	2200
6 1/2" x 1/4"	36.93	42.12	31.955	8.114	112.4	88.5	94.6	102.2	56.6	-	-	-	117.0	84.5	90.1	97.2
165 x 6.35	180.31	205.65	4.36E+07	4.36E+05	2855	2248	2403	2596	1438	-	-	-	2972	2146	2289	2469
7" x 1/4"	39.53	44.71	39.819	9.388	129.2	98.8	105.6	114.0	63.6	-	-	-	133.7	94.0	100.4	108.3
178 x 6.35	193.00	218.29	5.44E+07	5.05E+05	3282	2510	2682	2896	1615	-	-	-	3396	2388	2550	2751