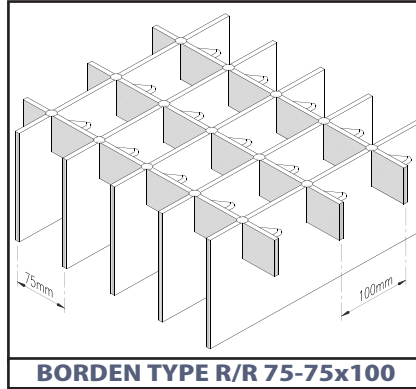


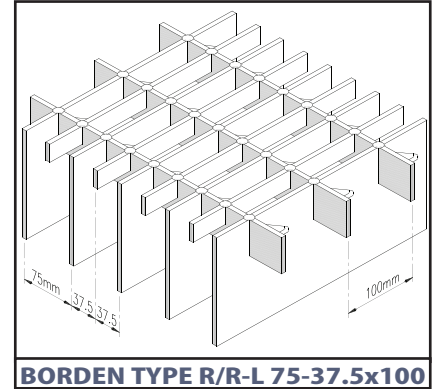
BORDEN GRATINGS

www.bordengratings.com

Rectangular Roadway Grating



BORDEN TYPE R/R 75-75x100



BORDEN TYPE R/R-L 75-37.5x100

LOAD TABLE

Bearing Bar Size	Weight		Moment of Intertia	Section Modulus	CAN/CSA-S6-06 CL-625								AASHTO HS20-1996			
					(in.)											
	(mm.)								(in.)							
					Bearing Bars Parallel to Traffic				Bearing Bars Pependicular to Traffic				(mm.)			
	R/R	R/R-L	in. ⁴ /ft.	in. ³ /ft.	Strength	Deflection			Strength	Deflection			Strength	Deflection		
lbs./sq.ft.	lbs./sq.ft.	L/800				L/700	L/600	L/800		L/700	L/600	L/800		L/700	L/600	
4" x 1/4"	17.68	21.14	5.194	2.284	35.2	-	-	-	24.4	-	-	-	42.6	37.7	39.9	-
102 x 6.35	86.32	103.21	7.09E+06	1.23E+05	894	-	-	-	620	-	-	-	1082	958	1013	-
4 1/2" x 1/4"	19.41	22.87	7.283	2.772	41.6	-	-	-	27.1	-	-	-	49.5	43.7	46.4	-
114 x 6.35	94.77	111.66	9.95E+06	1.49E+05	1057	-	-	-	688	-	-	-	1257	1110	1179	-
5" x 1/4"	21.14	24.95	9.876	3.320	48.9	-	-	-	30.1	-	-	-	57.4	50.2	53.4	57.4
127 x 6.35	103.21	121.82	1.35E+07	1.79E+05	1242	-	-	-	765	-	-	-	1458	1275	1356	1458
5 1/2" x 1/4"	22.87	26.32	13.033	3.942	57.1	56.8	-	-	33.6	-	-	-	66.3	57.1	60.8	65.4
140 x 6.35	111.66	128.51	1.78E+07	2.12E+05	1450	1443	-	-	853	-	-	-	1684	1450	1544	1661
6" x 1/4"	24.59	28.05	16.821	4.637	66.3	64.4	-	-	37.4	-	-	-	76.2	64.4	68.7	73.9
152 x 6.35	120.06	136.95	2.30E+07	2.49E+05	1684	1636	-	-	950	-	-	-	1935	1636	1745	1877
6 1/2" x 1/4"	26.32	29.78	21.303	5.409	76.5	72.4	-	-	41.7	-	-	-	87.2	72.1	76.9	82.9
165 x 6.35	128.51	145.40	2.91E+07	2.91E+05	1943	1839	-	-	1059	-	-	-	2215	1831	1953	2106
7" x 1/4"	28.05	31.51	26.546	6.259	87.8	80.8	86.3	-	46.3	-	-	-	99.3	80.2	85.6	92.3
178 x 6.35	136.95	153.85	3.63E+07	3.36E+05	2230	2052	2192	-	1176	-	-	-	2522	2037	2174	2344