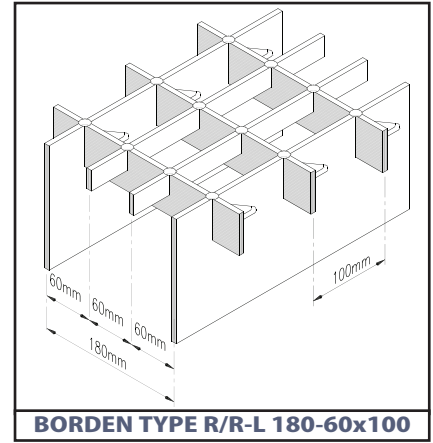


BORDEN GRATINGS

www.bordengratings.com

Rectangular Roadway Grating



LOAD TABLE

Bearing Bar Size	Weight	Moment of Intertia	Section Modulus	CAN/CSA-S6-06 CL-625								AASHTO HS20-1996			
				(in.)								(in.)			
				(mm.)								(mm.)			
				Bearing Bars Parallel to Traffic				Bearing Bars Pependicular to Traffic							
	lbs./sq.ft.	in. ⁴ /ft.	in. ³ /ft.	Strength	Deflection			Strength	Deflection			Strength	Deflection		
	kg/sq.m	mm ⁴ /m	mm ³ /m		L/800	L/700	L/600		L/800	L/700	L/600		L/800	L/700	L/600
4" x 1/4"	15.90	2.164	0.951	17.5	-	-	-	14.1	-	-	-	27.9	-	-	-
102 x 6.35	77.63	2.95E+06	5.12E+04	445	-	-	-	358	-	-	-	709	-	-	-
4 1/2" x 1/4"	16.62	3.034	1.155	20.2	-	-	-	15.5	-	-	-	31.7	-	-	-
114 x 6.35	81.15	4.14E+06	6.21E+04	513	-	-	-	394	-	-	-	805	-	-	-
5" x 1/4"	16.97	4.114	1.383	23.3	-	-	-	17.0	-	-	-	36.1	-	-	-
127 x 6.35	82.85	5.62E+06	7.44E+04	592	-	-	-	432	-	-	-	917	-	-	-
5 1/2" x 1/4"	17.34	5.429	1.642	26.7	-	-	-	18.5	-	-	-	40.9	-	-	-
140 x 6.35	84.66	7.41E+06	8.83E+04	678	-	-	-	470	-	-	-	1039	-	-	-
6" x 1/4"	18.78	7.007	1.932	30.6	-	-	-	20.1	-	-	-	46.4	-	-	-
152 x 6.35	91.69	9.57E+06	1.04E+05	777	-	-	-	511	-	-	-	1179	-	-	-
6 1/2" x 1/4"	19.50	8.875	2.253	34.8	-	-	-	24.2	-	-	-	52.4	-	-	-
165 x 6.35	95.21	1.21E+07	1.21E+05	884	-	-	-	615	-	-	-	1331	-	-	-
7" x 1/4"	20.22	11.059	2.607	39.4	-	-	-	26.2	-	-	-	59.1	-	-	-
178 x 6.35	98.72	1.51E+07	1.40E+05	1001	-	-	-	665	-	-	-	1501	-	-	-