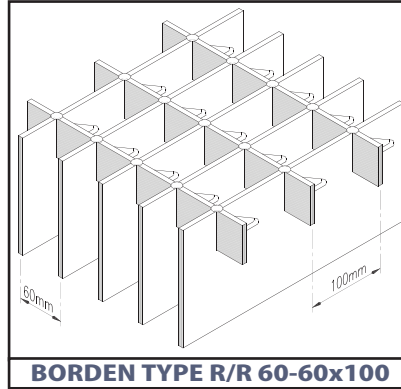


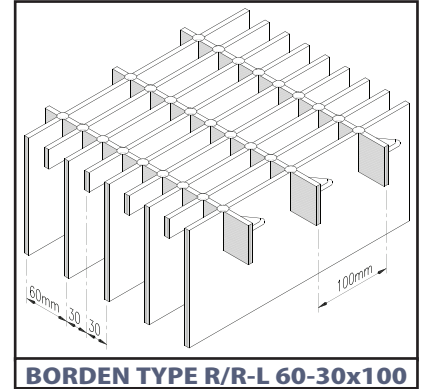
BORDEN GRATINGS

www.bordengratings.com

Rectangular Roadway Grating



BORDEN TYPE R/R 60-60x100



BORDEN TYPE R/R-L 60-30x100

LOAD TABLE

Bearing Bar Size	Weight		Moment of Intertia	Section Modulus	CAN/CSA-S6-06 CL-625								AASHTO HS20-1996			
					(in.)											
	(mm.)															
	Bearing Bars Parallel to Traffic				Bearing Bars Pependicular to Traffic				(in.)							
									(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	
kg/sq.m	kg/sq.m	mm ⁴ /m	mm ³ /m													
4" x 1/4"	20.83	25.15	6.492	2.855	42.7	40.4	-	-	27.6	-	-	-	48.9	40.7	43.2	46.3
102 x 6.35	101.70	122.79	8.87E+06	1.53E+05	1085	1026	-	-	701	-	-	-	1242	1034	1097	1176
4 1/2" x 1/4"	22.99	27.31	9.103	3.465	50.8	47.6	-	-	30.9	-	-	-	57.2	47.3	50.3	54.0
114 x 6.35	112.56	133.34	1.24E+07	1.86E+05	1290	1209	-	-	785	-	-	-	1453	1201	1278	1372
5" x 1/4"	25.15	29.47	12.344	4.150	59.9	55.3	59.1	-	34.7	-	-	-	66.5	54.5	58.0	62.4
127 x 6.35	122.79	143.89	1.69E+07	2.23E+05	1521	1405	1501	-	881	-	-	-	1689	1384	1473	1585
5 1/2" x 1/4"	27.31	31.63	16.292	4.928	70.2	63.4	67.7	-	39.0	-	-	-	77.1	62.1	66.1	71.2
140 x 6.35	133.34	154.43	2.22E+07	2.65E+05	1783	1610	1720	-	991	-	-	-	1958	1577	1679	1808
6" x 1/4"	29.47	33.79	21.026	5.796	81.7	71.9	76.9	-	43.8	-	-	-	88.9	70.1	74.7	80.5
152 x 6.35	143.89	164.98	2.87E+07	3.12E+05	2075	1826	1953	-	1113	-	-	-	2258	1781	1897	2045
6 1/2" x 1/4"	31.63	35.95	26.629	6.761	94.4	80.9	86.4	93.3	49.1	-	-	-	102.1	78.5	83.8	90.3
165 x 6.35	154.43	175.52	3.64E+07	3.64E+05	2398	2055	2195	2370	1247	-	-	-	2593	1994	2129	2294
7" x 1/4"	33.79	38.11	33.183	7.823	108.5	90.2	96.4	104.1	55.0	-	-	-	116.5	87.4	93.3	100.6
178 x 6.35	164.98	186.07	4.53E+07	4.21E+05	2756	2291	2449	2644	1397	-	-	-	2959	2220	2370	2555