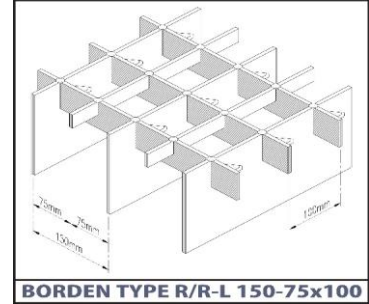
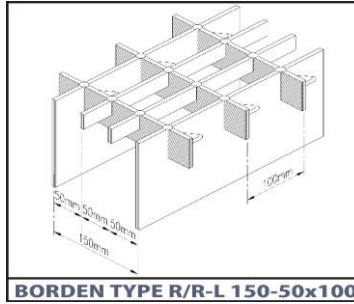




www.bordengratings.com

Rectangular Roadway
Grating

LOAD TABLE



Bearing Bar Size	Weight		Moment of Inertia	Section Modulus	CAN/CSA-S6-00 CL-625 (in.) (mm.)								AASHTO HS20-1996 (in.) (mm.)					
					Bearing Bars Parallel to Traffic				Bearing Bars Pependicular to Traffic				Strength			Deflection		
	75	50			in. ⁴ /ft. mm ⁴ /m	in. ³ /ft. mm ³ /m	Strength	Deflection			Strength	Deflection			Strength	Deflection		
	lbs./sq.ft. kg/sq.m	lbs./sq.ft. kg/sq.m						L/800	L/700	L/600		L/800	L/700	L/600		L/800	L/700	L/600
4"x1/4"	13.12	14.85	2.594	1.141	20	-	-	-	15.4	-	-	-	30	-	-	-		
102x6.35	64.06	2.03E+07	1.39E+05	6.13E+04	508	-	-	-	391	-	-	-	762	-	-	-		
4 1/2"x1/4"	13.99	15.71	3.638	1.384	23.3	-	-	-	17	-	-	-	34.3	-	-	-		
114x6.35	68.31	2.15E+07	1.96E+05	7.44E+04	592	-	-	-	432	-	-	-	871	-	-	-		
5"x1/4"	14.85	16.58	4.933	1.659	26.9	-	-	-	18.6	-	-	-	39.1	-	-	-		
127x6.35	72.50	2.26E+07	2.65E+05	8.92E+04	683	-	-	-	472	-	-	-	993	-	-	-		
5 1/2"x1/4"	15.71	17.44	6.510	1.969	31	-	-	-	20.3	-	-	-	44.5	-	-	-		
140x6.35	76.70	2.38E+07	3.50E+05	1.06E+05	787	-	-	-	516	-	-	-	1130	-	-	-		
6"x1/4"	16.58	18.31	8.402	2.316	35.6	-	-	-	24.6	-	-	-	50.6	-	-	-		
152x6.35	80.95	2.50E+07	4.52E+05	1.25E+05	904	-	-	-	625	-	-	-	1285	-	-	-		
6 1/2"x1/4"	17.44	19.17	10.641	2.702	40.7	-	-	-	26.7	-	-	-	57.4	57.2	-	-		
165x6.35	85.15	2.62E+07	5.72E+05	1.45E+05	1034	-	-	-	678	-	-	-	1458	1453	-	-		
7"x1/4"	18.31	20.04	13.260	3.126	46.3	-	-	-	29.1	-	-	-	64.8	63.5	-	-		
178x6.35	89.40	2.74E+07	7.13E+05	1.68E+05	1176	-	-	-	739	-	-	-	1646	1613	-	-		

Revised May 2019