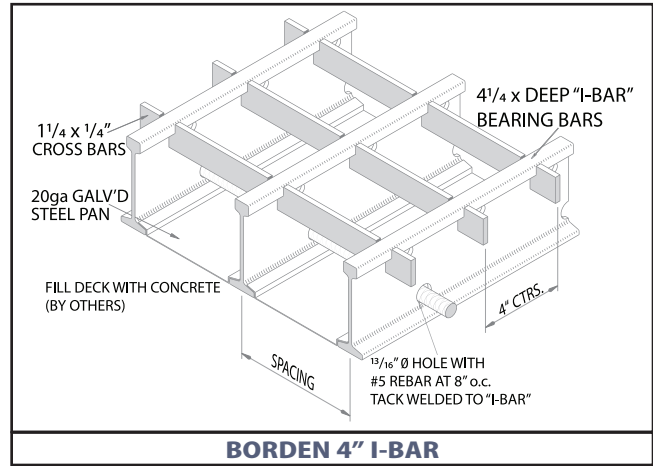




www.bordengratings.com

**Roadway
Grating**



LOAD TABLE

Grating Type	Bearing Bar Centre	Weight		Steel Only		Cracked Composite Section					
		Steel Only	Steel & Concrete	Top Steel S	Bottom Steel S	+Sc	+Sc	-Sc	-Sc	Icr	
		lbs./sq.ft.	lbs./sq.ft.	in. ³ /ft.	in. ³ /ft.	in. ³ /ft.	in. ³ /ft.	in. ³ /ft.	in. ³ /ft.	in. ³ /ft.	in. ⁴ /ft.
		kg/sq.m	kg/sq.m	mm ³ /m	mm ³ /m	mm ³ /m	mm ³ /m	mm ³ /m	mm ³ /m	mm ³ /m	mm ⁴ /m
R/R 6x4(4")	6"	15.25	61.77	2.768	3.136	51.30	3.47	53.00	3.51	85.84	
		74.46	301.59	3.78E+06	1.69E+05	2.76E+06	1.87E+05	2.85E+06	1.89E+05	1.17E+08	
R/R 8x4(4")	8"	12.76	59.96	2.076	2.352	44.10	2.65	45.00	2.32	68.21	
		62.30	292.75	2.83E+06	1.26E+05	2.37E+06	1.42E+05	2.42E+06	1.25E+05	9.31E+07	

Grating Type	CAN/CSA-S6-06 CL-625 (in.)								AASHTO HS20-1996 (in.)							
	(mm.)								(mm.)							
	Bearing Bars Parallel to Traffic				Bearing Bars Pependicular to Traffic				Bearing Bars Parallel to Traffic				Bearing Bars Pependicular to Traffic			
	Strength	Deflection			Strength	Deflection			Strength	Deflection			Strength	Deflection		
L/800		L/700	L/600	L/800		L/700	L/600	L/800		L/700	L/600	L/800		L/700	L/600	
R/R 6x4(4")	36.0	-	-	-	76.8	36.0	38.4	40.8	36.0	-	-	-	76.8	36.0	38.4	40.8
	914	-	-	-	1707	914	975	1128	914	-	-	-	1707	975	1036	1128
R/R 8x4(4")	27.6	-	-	-	44.4	28.8	31.2	32.4	27.6	-	-	-	44.4	28.8	31.2	32.4
	1128	-	-	-	2316	1097	792	1219	1128	-	-	-	2316	1097	1158	1219