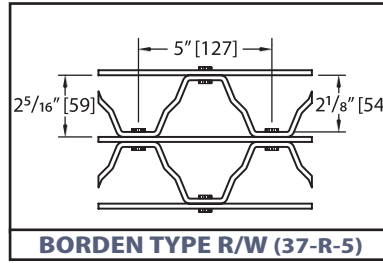


# BORDEN GRATINGS

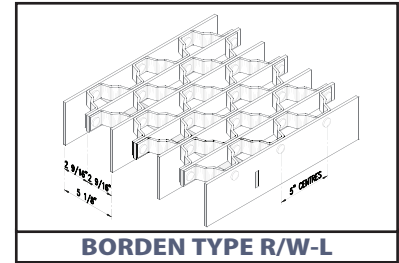
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## Les Caillebotis De Chaussée Rivetés

### TABLEAU DES CHARGES



BORDEN TYPE R/W (37-R-5)



BORDEN TYPE R/W-L

Désignation	Dimension de la barre porteuse	Poids lb/pi² kg/m²	Moment d'inertie po⁴/p. l. mm⁴/m	Module d'inertie po³/p. l. mm³/m	CAN/CSA-S6-06 CL-625 (po) (mm)								AASHTO HS20-1996 (po) (mm)			
					Barres porteuses parallèles à la circulation				Barres porteuses perpendiculaires à la circulation				(po) (mm)			
					Résistance				Résistance				Résistance			
					Déviation				Déviation				Déviation			
					L/800	L/700	L/600		L/800	L/700	L/600		L/800	L/700	L/600	
R/W-6-3	1 1/4" x 3/16"	9.38	0.146	0.230	7.6	-	-	-	6.4	-	-	-	12.7	-	-	-
	32 x 4.8	45.77	2.00E+05	1.24E+04	193	-	-	-	163	-	-	-	323	-	-	-
R/W-6-4	1 1/4" x 1/4"	10.39	0.190	0.305	8.3	-	-	-	7.3	-	-	-	13.6	-	-	-
	32 x 6.35	50.73	2.60E+05	1.64E+04	211	-	-	-	185	-	-	-	345	-	-	-
R/W-8-3	1 1/2" x 3/16"	10.14	0.253	0.337	8.5	-	-	-	7.5	-	-	-	13.7	-	-	-
	38 x 4.8	49.51	3.45E+05	1.81E+04	216	-	-	-	191	-	-	-	348	-	-	-
R/W-8-4	1 1/2" x 1/4"	11.39	0.329	0.439	9.5	-	-	-	8.5	-	-	-	14.8	-	-	-
	38 x 6.35	55.60	4.49E+05	2.36E+04	241	-	-	-	216	-	-	-	376	-	-	-
R/W-9-3	1 3/4" x 3/16"	10.91	0.402	0.459	9.4	-	-	-	8.5	-	-	-	14.7	-	-	-
	44 x 4.8	53.25	5.49E+05	2.47E+04	239	-	-	-	216	-	-	-	373	-	-	-
R/W-9-4	1 3/4" x 1/4"	12.38	0.523	0.597	10.8	-	-	-	9.6	-	-	-	16.2	-	-	-
	44 x 6.35	60.46	7.14E+05	3.21E+04	274	-	-	-	244	-	-	-	411	-	-	-
R/W-10-3	2" x 3/16"	11.67	0.600	0.600	10.6	-	-	-	9.5	-	-	-	15.9	-	-	-
	51 x 4.8	56.99	8.19E+05	3.23E+04	269	-	-	-	241	-	-	-	404	-	-	-
R/W-10-4	2" x 1/4"	13.38	0.780	0.780	12.4	-	-	-	11.0	-	-	-	17.8	-	-	-
	51 x 6.35	65.32	1.07E+06	4.19E+04	315	-	-	-	274	-	-	-	452	-	-	-
R/W-11-3	2 1/4" x 3/16"	12.44	0.854	0.759	12.0	-	-	-	10.5	-	-	-	17.3	-	-	-
	57 x 4.8	60.73	1.17E+06	4.08E+04	305	-	-	-	267	-	-	-	439	-	-	-
R/W-11-4	2 1/4" x 1/4"	14.38	1.111	0.987	14.1	-	-	-	12.0	-	-	-	19.6	-	-	-
	57 x 6.35	70.19	1.52E+06	5.31E+04	358	-	-	-	305	-	-	-	498	-	-	-
R/W-12-3	2 1/2" x 3/16"	14.32	1.172	0.936	13.5	-	-	-	11.6	-	-	-	18.9	-	-	-
	64 x 4.8	69.90	1.60E+06	5.03E+04	343	-	-	-	295	-	-	-	480	-	-	-
R/W-12-4	2 1/2" x 1/4"	16.46	0.326	1.219	16.1	-	-	-	13.3	-	-	-	21.7	-	-	-
	64 x 6.35	80.35	4.44E+05	6.55E+04	409	-	-	-	338	-	-	-	551	-	-	-
R/W-14-3	3" x 3/16"	15.85	2.025	1.350	17.2	-	-	-	13.9	-	-	-	22.7	-	-	-
	76 x 4.8	77.38	2.77E+06	7.26E+04	437	-	-	-	353	-	-	-	577	-	-	-
R/W-14-4	3" x 1/4"	18.45	2.633	1.755	23.2	-	-	-	17.0	-	-	-	29.1	27.5	28.9	-
	76 x 6.35	90.08	3.59E+06	9.44E+04	589	-	-	-	432	-	-	-	739	699	734	-
R/W-16-4	3 1/2" x 1/4"	20.44	4.179	2.389	29.9	-	-	-	19.8	-	-	-	36.1	32.9	34.8	-
	89 x 6.35	99.80	5.71E+06	1.28E+05	759	-	-	-	503	-	-	-	917	836	884	-
R/W-18-4	4" x 1/4"	22.43	6.240	3.120	37.9	-	-	-	25.5	-	-	-	44.4	39.0	41.3	44.3
	102 x 6.35	109.53	8.52E+06	1.68E+05	963	-	-	-	648	-	-	-	1128	991	1049	1125
R/W-20-4	4 1/2" x 1/4"	24.42	8.885	3.949	47.0	45.4	-	-	29.4	-	-	-	54.0	45.6	48.5	52.1
	114 x 6.35	119.25	1.21E+07	2.12E+05	1194	1153	-	-	747	-	-	-	1372	1158	1232	1323
R/W-22-4	5" x 1/4"	26.42	12.188	4.875	57.5	53.1	56.7	-	33.7	-	-	-	65.0	52.8	56.2	60.4
	127 x 6.35	128.98	1.66E+07	2.62E+05	1461	1349	1440	-	856	-	-	-	1651	1341	1427	1534
R/W-24-4	5 1/2" x 1/4"	28.41	16.221	5.899	69.3	61.2	65.4	-	38.6	-	-	-	77.2	60.5	64.4	69.4
	140 x 6.35	138.70	2.22E+07	3.17E+05	1760	1554	1661	-	980	-	-	-	1961	1537	1636	1763
R/W-26-4	6" x 1/4"	30.40	21.060	7.020	82.3	69.8	74.6	80.5	44.0	-	-	-	90.8	68.6	73.1	78.8
	152 x 6.35	148.43	2.88E+07	3.77E+05	2090	1773	1895	2045	1118	-	-	-	2306	1742	1857	2002
R/WL-16	3 1/2" x 1/4"	16.83	1.933	0.943	17.4	-	-	-	14.0	-	-	-	25.7	-	-	-
	89 x 6.35	82.16	2.64E+06	5.07E+04	442	-	-	-	356	-	-	-	653	-	-	-
R/WL-18	4" x 1/4"	17.82	2.890	1.243	21.4	-	-	-	16.1	-	-	-	30.7	-	-	-
	102 x 6.35	87.02	3.95E+06	6.68E+04	544	-	-	-	409	-	-	-	780	-	-	-
R/WL-20	4 1/2" x 1/4"	18.82	4.125	1.589	26.0	-	-	-	18.2	-	-	-	36.5	-	-	-
	114 x 6.35	91.88	5.63E+06	8.54E+04	660	-	-	-	462	-	-	-	927	-	-	-
R/WL-22	5" x 1/4"	19.81	5.675	1.982	31.2	-	-	-	20.4	-	-	-	43.1	41.9	-	-
	127 x 6.35	96.74	7.75E+06	1.07E+05	792	-	-	-	518	-	-	-	1095	1064	-	-
R/WL-24	5 1/2" x 1/4"	20.81	7.577	2.424	37.1	-	-	-	25.2	-	-	-	50.4	47.8	-	-
	140 x 6.35	101.61	1.03E+07	1.30E+05	942	-	-	-	640	-	-	-	1280	1214	-	-
R/WL-26	6" x 1/4"	21.81	9.868	2.916	43.6	-	-	-	27.9	-	-	-	58.6	53.9	57.4	-
	152 x 6.35	106.47	1.35E+07	1.57E+05	1107	-	-	-	709	-	-	-	1488	1369	1458	-