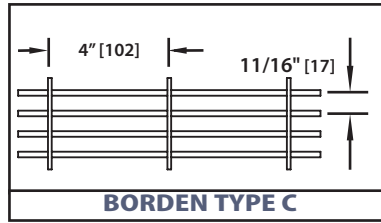




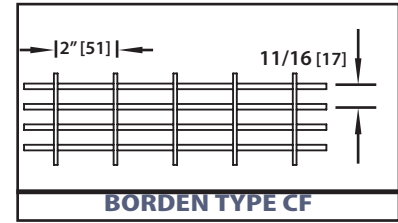
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Sidewalk Grating Type C

LOAD TABLE



Free air % for 1/8" bars: 79.26%
Free air % for 3/16" bars: 70.45%



Free air % for 1/8" bars: 76.70%
Free air % for 3/16" bars: 68.18%

Grating type	Weight lbs./ft ² kg/m ²	I in. ⁴ mm ⁴	S in. ³ mm ³	CL-625 Sidewalk Parallel		CL-625 Sidewalk Perpendicular		OBC	H20	5 Ton	3 Ton	Car Traffic
				Span L in. mm	Span L in. mm	Span L in. mm	Span L in. mm	Span L in. mm	Span L in. mm	Span L in. mm		
C-1 3/4"x1/8"	5.97 29.13	0.0767 31927	0.2045 3352	7.45 189	13.10 333	18.32 465	11.26 286	6.63 168	4.68 119	9.18 233		
C-2 3/4"x3/16"	9.15 44.67	0.1151 47890	0.3068 5028	8.68 220	13.65 347	19.55 496	11.89 302	7.19 183	5.27 134	11.77 299		
C-3 1"x1/8"	8.38 40.92	0.1818 75678	0.3636 5959	9.36 238	13.95 354	21.39 543	12.24 311	7.50 191	5.59 142	13.21 336		
C-4 1"x3/16"	12.09 59.05	0.2727 113518	0.5455 8938	11.54 293	14.93 379	23.56 598	13.36 339	8.50 216	6.64 169	17.82 453		
C-5 1 1/4"x1/8"	10.56 51.54	0.3551 147809	0.5682 9311	11.81 300	15.05 382	25.29 642	13.50 343	8.63 219	6.77 172	18.40 467		
C-6 1 1/4"x3/16"	15.20 74.20	0.5327 221714	0.8523 13966	15.22 387	16.58 421	28.58 726	15.25 387	10.19 259	8.41 214	25.59 650		
C-7 1 1/2"x1/8"	12.41 60.60	0.6136 255415	0.8182 13408	14.81 376	16.40 417	29.93 760	15.04 382	10.01 254	8.21 209	24.73 628		
C-8 1 1/2"x3/16"	17.98 87.79	0.9205 383122	1.2273 20111	19.72 501	18.60 472	34.50 876	17.57 446	12.26 311	10.56 268	34.05 865		
C-9 1 3/4"x3/16"	20.76 101.38	1.4616 608384	1.6705 27374	25.03 636	20.98 533	41.21 1047	20.30 516	14.70 373	13.12 333	42.69 1084		
C-10 2"x3/16"	23.55 114.98	2.1818 908141	2.1818 35754	31.17 792	23.73 603	48.64 1235	23.45 596	17.52 445	16.06 408	51.32 1304		
C-11 2 1/4"x3/16"	26.33 128.57	3.1065 1293037	2.7614 45251	38.12 968	26.85 682	54.57 1386	27.03 686	20.71 526	19.39 493	57.69 1465		
C-12 2 1/2"x3/16"	29.12 142.16	4.2614 1773713	3.4091 55865	45.88 1165	30.33 770	60.15 1528	31.02 788	24.28 617	23.12 587	64.07 1627		
C-13 2 3/4"x3/16"	31.90 155.75	5.6719 2360813	4.1250 67597	54.47 1384	34.18 868	65.75 1670	35.43 900	28.22 717	27.24 692	70.44 1789		
C-14 3"x3/16"	34.69 169.35	7.3636 3064977	4.9091 80446	60.03 1525	38.39 975	71.39 1813	40.27 1023	32.54 827	31.76 807	76.82 1951		

All loads and deflections are based on gross sections and nominal sizes of bearing bars. The values listed are for design selection only and are not intended to be "absolute".

Actual load capacity will be affected slightly by variations which can be expected due to material and manufacturing tolerances.

1/4" is considered the maximum deflection which is consistent with pedestrian comfort, but may be exceeded for other application at the discretion of the Engineer.

When serrated gratings are specified, increase the depth of the grating selected from the table by 1/4" to allow for the serrations.