








WHEEL LOADS

Grating Type	Weight lbs./ft ² kg/m ²	Moment of Inertia in. ⁴ mm ⁴	Section Modulus in. ³ mm ³	Span (inches) (mm)						
				 CL-625 parallel	 CL-625 perpendicular	 OBC	 H20	 5 TON	 3 ton	 Car Traffic
8HD13-4 1 1/2" x 1/4"	20.76	1.0385	1.3846	18.04	17.92	36.17	19.60	14.15	12.62	36.56
	101.36	432240	22690	458	455	919	498	359	321	929
9HD13-4 1 3/4" x 1/4"	23.90	1.6490	1.8846	22.75	20.05	43.41	23.06	17.27	15.91	45.86
	116.70	686382	30883	578	509	1103	586	439	404	1165
10HD13-4 2" x 1/4"	27.04	2.4615	2.4615	28.19	22.52	50.96	27.06	20.87	19.71	53.87
	132.03	1024570	40337	716	572	1294	687	530	501	1368
11HD13-4 2 1/4" x 1/4"	30.18	3.5048	3.1154	34.35	25.31	56.76	31.59	24.95	24.02	60.56
	147.37	1458811	51052	872	643	1442	802	634	610	1538
12HD13-4 2 1/2" x 1/4"	33.32	4.8077	3.8462	41.23	28.44	62.59	36.66	29.51	28.83	67.25
	162.70	2001113	63027	1047	722	1590	931	750	732	1708
13HD13-4 2 3/4" x 1/4"	36.47	6.3990	4.6538	48.84	31.89	68.46	42.26	34.56	34.15	73.95
	178.04	2663481	76263	1240	810	1739	1073	878	867	1878
14HD13-4 3" x 1/4"	39.61	8.3077	5.5385	55.71	35.67	74.35	48.39	40.08	39.98	80.65
	193.38	3457923	90759	1415	906	1889	1229	1018	1015	2048
16HD13-4 3 1/2" x 1/4"	45.89	13.1923	7.5385	64.90	44.21	86.19	59.42	52.57	53.15	94.05
	224.05	5491053	123533	1649	1123	2189	1509	1335	1350	2389
18HD13-4 4" x 1/4"	52.17	19.6923	9.8462	74.11	54.08	98.09	67.63	64.71	65.70	107.46
	254.72	8196557	161350	1882	1374	2491	1718	1644	1669	2729
20HD13-4 4 1/2" x 1/4"	58.45	28.0385	12.4615	83.32	65.23	110.02	75.88	72.73	73.88	120.87
	285.39	11670489	204208	2116	1657	2795	1927	1847	1877	3070
22HD13-4 5" x 1/4"	64.73	38.4615	15.3846	92.54	72.20	121.99	84.14	80.76	82.07	134.28
	316.06	16008901	252109	2351	1834	3098	2137	2051	2085	3411

PANEL WIDTHS (inches)

# Bars	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1/4" Bars	1 1/16	2	2 15/16	3 7/8	4 13/16	5 3/4	6 11/16	7 5/8	8 9/16	9 1/2	10 7/16	11 3/8	12 5/16	13 1/4	14 3/16	15 1/8	16 1/16	17	17 15/16
# Bars	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
1/4" Bars	18 7/8	19 13/16	20 3/4	21 11/16	22 5/8	23 9/16	24 1/2	25 7/16	26 3/8	27 5/16	28 1/4	29 3/16	30 1/8	31 1/16	32	32 15/16	33 7/8	34 13/16	35 3/4