



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
8HD15-4 1 1/2" x 1/4"	18.25	0.9000	1.2000	16.41	17.24	34.40	18.41	13.14	11.63	34.54
	89.09	374608	19664	417	438	874	468	334	295	877
9HD15-4 1 3/4" x 1/4"	20.97	1.4292	1.6333	20.54	19.13	41.08	21.45	15.90	14.57	43.29
	102.38	594864	26766	522	486	1043	545	404	370	1099
10HD15-4 2" x 1/4"	23.69	2.1333	2.1333	25.29	21.31	48.49	24.96	19.08	17.96	51.82
	115.67	887960	34959	642	541	1232	634	485	456	1316
11HD15-4 2 1/4" x 1/4"	26.41	3.0375	2.7000	30.68	23.79	54.46	28.93	22.69	21.80	58.24
	128.96	1264303	44245	779	604	1383	735	576	554	1479
12HD15-4 2 1/2" x 1/4"	29.14	4.1667	3.3333	36.70	26.55	60.02	33.37	26.72	26.09	64.68
	142.26	1734298	54624	932	674	1525	848	679	663	1643
13HD15-4 2 3/4" x 1/4"	31.86	5.5458	4.0333	43.36	29.61	65.61	38.28	31.18	30.84	71.13
	155.55	2308350	66094	1101	752	1667	972	792	783	1807
14HD15-4 3" x 1/4"	34.58	7.2000	4.8000	50.66	32.95	71.22	43.65	36.06	36.03	77.57
	168.84	2996866	78658	1287	837	1809	1109	916	915	1970
16HD15-4 3 1/2" x 1/4"	40.03	11.4333	6.5333	62.10	40.52	82.55	55.81	47.10	47.78	90.47
	195.42	4758913	107062	1577	1029	2097	1417	1196	1214	2298
18HD15-4 4" x 1/4"	45.47	17.0667	8.5333	70.91	49.25	93.89	64.80	59.84	61.33	103.35
	222.00	7103683	139836	1801	1251	2385	1646	1520	1558	2625
20HD15-4 4 1/2" x 1/4"	50.91	24.3000	10.8000	79.72	59.14	105.26	72.67	69.84	71.13	116.25
	248.58	10114424	176980	2025	1502	2674	1846	1774	1807	2953
22HD15-4 5" x 1/4"	56.36	33.3333	13.3333	88.55	69.43	116.69	80.60	77.54	79.01	129.15
	275.17	13874381	218494	2249	1764	2964	2047	1969	2007	3280

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