



Grating type	Weight lbs./ft ² kg/m ²	I in. ⁴ mm ⁴	l/bar	S in. ³ mm ³	CL-625		OBC				H20	5 TON	3 ton	1 ton	Car
					Span L in. mm	Span L in. mm	>9000 kg		4000kg<veh	4000kg >					
							parallel	perpendicular							
4HD19-4	10.51	0.2105	0.0208	0.4211	9.08	13.92	10.47	14.42	4.26	6.15	13.02	8.29	6.51	7.22	12.77
1"x1/4"	51.32	87628		6900	231	353	266	366	108	156	331	210	165	183	324
6HD19-4	12.66	0.4112	0.0407	0.6579	11.38	14.99	13.59	15.89	5.32	8.28	14.72	9.85	8.21	10.16	17.42
1 1/4"x1/4"	61.81	171148		10781	289	381	345	403	135	210	374	250	209	258	443
8HD19-4	14.81	0.7105	0.0703	0.9474	14.18	16.31	17.41	17.68	6.62	10.89	16.79	11.77	10.28	13.75	23.11
1 1/2"x1/4"	72.30	295743		15525	360	414	442	449	168	277	427	299	261	349	587
8HD19-6	21.26	1.0658	0.1055	1.4211	18.78	18.46	23.65	20.61	8.75	15.15	20.19	14.90	13.67	19.63	30.83
1 1/2"x3/8"	103.78	443615		23287	477	469	601	524	222	385	513	378	347	499	783
9HD19-4	16.96	1.1283	0.1117	1.2895	17.50	17.87	21.92	19.80	8.16	13.96	19.25	14.03	12.73	18.00	29.83
1 3/4"x1/4"	82.80	469630		21131	445	454	557	503	207	355	489	356	323	457	758
9HD19-6	24.48	1.6924	0.1675	1.9342	23.75	20.80	30.41	23.79	11.06	19.76	23.87	18.29	17.35	25.99	38.54
1 3/4"x3/8"	119.52	704444		31696	603	528	772	604	281	502	606	465	441	660	979
10HD19-4	19.11	1.6842	0.1667	1.6842	21.33	19.66	27.12	22.24	9.94	17.52	22.08	16.64	15.56	22.89	37.58
2"x1/4"	93.29	701021		27599	542	499	689	565	252	445	561	423	395	581	955
10HD19-6	27.70	2.5263	0.2500	2.5263	29.49	23.49	38.22	27.46	13.73	25.09	28.12	22.21	21.59	33.34	46.87
2"x3/8"	135.26	1051532		41399	749	597	971	697	349	637	714	564	548	847	1191
11HD19-4	21.26	2.3980	0.2373	2.1316	25.67	21.70	33.01	25.01	11.95	21.54	25.29	19.60	18.76	28.44	45.72
2 1/4"x1/4"	103.78	998134		34930	652	551	839	635	304	547	642	498	477	722	1161
11HD19-6	30.93	3.5970	0.3560	3.1974	36.00	26.54	45.89	31.61	16.75	31.13	32.93	26.65	26.39	41.66	53.80
2 1/4"x3/8"	151.00	1497201		52395	914	674	1166	803	425	791	836	677	670	1058	1366
12HD19-4	23.41	3.2895	0.3255	2.6316	30.51	23.97	39.60	28.11	14.20	26.04	28.87	22.91	22.34	34.65	52.25
2 1/2"x1/4"	114.27	1369182		43124	775	609	1006	714	361	661	733	582	567	880	1327
12HD19-6	34.15	4.9342	0.4883	3.9474	43.27	29.96	52.39	36.26	20.12	37.88	38.31	31.61	31.76	50.97	59.72
2 1/2"x3/8"	166.74	2053773		64686	1099	761	1331	921	511	962	973	803	807	1295	1517
13HD19-4	25.55	4.3783	0.4333	3.1842	35.87	26.48	46.89	31.53	16.69	31.01	32.84	26.56	26.30	41.50	57.43
2 3/4"x1/4"	124.77	1822382		52180	911	673	1191	801	424	788	834	675	668	1054	1459
14HD19-4	27.70	5.6842	0.5625	3.7895	41.74	29.24	54.86	35.28	19.41	36.46	37.18	30.57	30.63	49.01	62.61
3"x1/4"	135.26	2365947		62098	1060	743	1394	896	493	926	944	776	778	1245	1590
14HD19-6	40.60	8.5263	0.8438	5.6842	56.72	37.86	62.76	47.02	27.93	53.50	50.76	43.10	44.19	61.31	71.59
3"x3/8"	198.22	3549921		93148	1441	962	1594	1194	710	1359	1289	1095	1123	1557	1818
16HD19-4	32.00	9.0263	0.8932	5.1579	55.01	35.46	63.98	43.76	25.57	48.77	46.99	39.62	40.43	62.50	72.98
3 1/2"x1/4"	156.25	3757036		84523	1397	901	1625	1111	649	1239	1194	1006	1027	1587	1854
16HD19-6	47.05	13.5395	1.3398	7.7368	66.08	47.19	73.15	58.18	37.17	64.28	60.57	56.68	58.89	71.51	83.47
3 1/2"x3/8"	229.70	5635554		126784	1679	1199	1858	1478	944	1633	1539	1440	1496	1816	2120
18HD19-4	36.30	13.4737	1.3333	6.7368	66.00	42.65	73.06	53.54	32.67	62.97	58.31	50.06	51.73	71.41	83.36
4"x1/4"	177.23	5608171		110397	1676	1083	1856	1360	830	1600	1481	1272	1314	1814	2117
18HD19-6	53.49	20.2105	2.0000	10.1053	75.46	57.97	83.54	58.10	47.82	73.44	68.96	66.53	68.13	81.72	95.35
4"x3/8"	261.18	8412256		165596	1917	1472	2122	1476	1215	1865	1752	1690	1730	2076	2422
20HD19-4	40.60	19.1842	1.8984	8.5263	74.20	50.79	82.14	64.62	40.72	72.20	67.83	61.90	64.54	80.33	93.74
4 1/2"x1/4"	198.22	7985071		139721	1885	1290	2086	1641	1034	1834	1723	1572	1639	2040	2381
20HD19-6	59.94	28.7763	2.8477	12.7895	84.84	67.11	93.94	74.08	59.90	82.61	77.37	74.78	76.62	91.93	107.23
4 1/2"x3/8"	292.65	11977607		209582	2155	1705	2386	1882	1521	2098	1965	1899	1946	2335	2724
22HD19-4	44.90	26.3158	2.6042	10.5263	82.39	59.88	91.23	71.99	49.72	80.21	75.17	72.63	74.39	89.25	104.12
5"x1/4"	219.20	10953459		172495	2093	1521	2317	1829	1263	2037	1909	1845	1890	2267	2645
22HD19-6	66.39	39.4737	3.9063	15.7895	94.23	74.30	104.34	82.07	72.87	91.78	85.80	83.04	85.11	102.14	119.12
5"x3/8"	324.13	16430188		258743	2393	1887	2650	2085	1851	2331	2179	2109	2162	2594	3026

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