

## Heavy Duty Load Table: TYPE W-30-4

### LOAD TABLE: TYPE W-30-4

**BEARING BARS 1-7/8" ON CENTER, CROSS BARS 4" ON CENTER  
(2" ON CENTER CROSS BARS ALSO AVAILABLE)**



BEARING BAR SIZE	WEIGHT LBS. PER SQ. FT.	SECTION MOD. PER FT. OF WIDTH	CROSS BAR SIZE	H-20 TRUCK	H-15 TRUCK	H-10 TRUCK	AUTO TRAFFIC	5 TON FORKLIFT	3 TON FORKLIFT	1 TON FORKLIFT
				MAXIMUM SAFE SPAN						
1 x 1/4	6.8	0.267	SEE	1'-0"	0'-9"	0'-7"	1'-1"	0'-7"	0'-5"	0'-6"
1 x 5/16	8.3	0.333		1'-0"	0'-10"	0'-7"	1'-3"	0'-7"	0'-6"	0'-7"
1 x 3/8	9.7	0.400		1'-1"	0'-10"	0'-8"	1'-6"	0'-8"	0'-6"	0'-8"
1-1/4 x 1/4	8.3	0.417	CROSS	1'-1"	0'-10"	0'-8"	1'-6"	0'-8"	0'-6"	0'-8"
1-1/4 x 5/16	10.1	0.521		1'-1"	0'-11"	0'-9"	1'-10"	0'-9"	0'-7"	0'-9"
1-1/4 x 3/8	11.9	0.625		1'-2"	1'-0"	0'-10"	2'-1"	0'-10"	0'-8"	0'-11"
1-1/2 x 1/4	9.8	0.600	BAR	1'-2"	1'-0"	0'-10"	2'-1"	0'-9"	0'-8"	0'-11"
1-1/2 x 5/16	12.0	0.750		1'-3"	1'-1"	0'-11"	2'-5"	0'-10"	0'-9"	1'-1"
1-1/2 x 3/8	14.1	0.900		1'-4"	1'-2"	1'-0"	2'-8"	1'-0"	0'-10"	1'-3"
1-3/4 x 1/4	11.2	0.817	SELECTION	1'-4"	1'-2"	1'-0"	2'-8"	0'-11"	0'-10"	1'-2"
1-3/4 x 5/16	13.8	1.021		1'-5"	1'-3"	1'-2"	3'-1"	1'-0"	0'-11"	1'-5"
1-3/4 x 3/8	16.3	1.225		1'-7"	1'-5"	1'-3"	3'-5"	1'-2"	1'-1"	1'-8"
2 x 1/4	12.7	1.067	CHART	1'-6"	1'-4"	1'-2"	3'-5"	1'-1"	1'-0"	1'-6"
2 x 5/16	15.6	1.333		1'-8"	1'-6"	1'-4"	3'-11"	1'-3"	1'-2"	1'-10"
2 x 3/8	18.5	1.600		1'-10"	1'-8"	1'-7"	4'-1"	1'-5"	1'-4"	2'-2"
2-1/4 x 1/4	14.2	1.350	HEAVY	1'-8"	1'-6"	1'-4"	4'-1"	1'-3"	1'-2"	1'-10"
2-1/4 x 5/16	17.4	1.688		1'-10"	1'-9"	1'-7"	4'-4"	1'-5"	1'-5"	2'-3"
2-1/4 x 3/8	20.7	2.025		2'-1"	1'-11"	1'-10"	4'-8"	1'-8"	1'-8"	2'-8"
2-1/2 x 1/4	15.6	1.667	DUTY	1'-10"	1'-8"	1'-7"	4'-6"	1'-5"	1'-5"	2'-3"
2-1/2 x 5/16	19.3	2.083		2'-1"	2'-0"	1'-11"	4'-10"	1'-8"	1'-8"	2'-9"
2-1/2 x 3/8	22.9	2.500		2'-5"	2'-3"	2'-3"	5'-2"	1'-11"	2'-0"	3'-3"
3 x 1/4	18.7	2.400	GRATING	2'-4"	2'-2"	2'-2"	5'-5"	1'-11"	1'-11"	3'-2"
3 x 5/6	23.4	3.000		2'-8"	2'-7"	2'-7"	5'-10"	2'-3"	2'-4"	3'-11"
3 x 3/8	27.8	3.600		3'-1"	3'-0"	3'-0"	6'-2"	2'-7"	2'-9"	4'-8"
3-1/2 x 1/4	21.6	3.267	PAGE	2'-10"	2'-9"	2'-9"	6'-4"	2'-5"	2'-6"	4'-3"
3-1/2 x 5/16	27.1	4.083		3'-5"	3'-4"	3'-4"	6'-10"	2'-11"	3'-1"	5'-1"
3-1/2 x 3/8	32.2	4.900		3'-11"	3'-10"	4'-0"	7'-3"	3'-5"	3'-7"	5'-5"
4 x 1/4	24.5	4.267		3'-6"	3'-5"	3'-6"	7'-3"	3'-0"	3'-2"	5'-5"
4 x 5/16	30.7	5.333		4'-2"	4'-2"	4'-4"	7'-9"	3'-8"	3'-11"	5'-10"
4 x 3/8	36.5	6.400		4'-10"	4'-10"	5'-1"	8'-3"	4'-4"	4'-8"	6'-3"
5 x 1/4	30.4	6.667		5'-0"	5'-0"	5'-3"	9'-0"	4'-6"	4'-10"	6'-9"
5 x 3/8	45.3	10.000		6'-3"	6'-4"	6'-6"	10'-4"	6'-1"	6'-4"	7'-9"
5 x 1/2	59.7	13.333		6'-10"	6'-11"	7'-2"	11'-5"	6'-9"	7'-0"	8'-7"
6 x 1/4	36.7	9.600		6'-7"	6'-8"	6'-10"	10'-10"	6'-5"	6'-8"	8'-2"
6 x 3/8	54.0	14.400		7'-6"	7'-7"	7'-10"	12'-5"	7'-4"	7'-7"	9'-4"
6 x 1/2	71.3	19.200		8'-3"	8'-4"	8'-7"	13'-8"	8'-1"	8'-5"	10'-3"
7 x 1/4	42.5	13.067		7'-7"	7'-9"	8'-0"	12'-8"	7'-6"	7'-9"	9'-6"
7 x 3/8	62.8	19.600		8'-9"	8'-10"	9'-1"	14'-6"	8'-7"	8'-11"	10'-11"
7 x 1/2	82.9	26.133		9'-7"	9'-9"	10'-0"	15'-11"	9'-5"	9'-9"	12'-0"

### Continuous Spans

The safe spans indicated for heavy duty gratings and bridge decking are based upon simple span calculations. When the grating is properly anchored and the span is continuous over 3 or more supports, the above spans may be increased by a multiple of 1.20.

