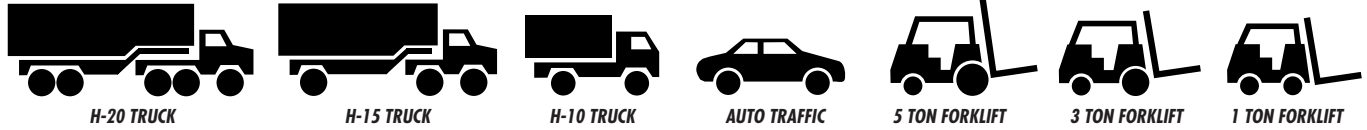


## Heavy Duty Load Table: TYPE W-22-4

### LOAD TABLE: TYPE W-22-4

**BEARING BARS 1-3/8" 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	8.9	0.364	SEE	1'-0"	0'-10"	0'-7"	1'-3"	0'-7"	0'-6"	0'-6"
1 x 5/16	10.8	0.455		1'-1"	0'-10"	0'-8"	1'-6"	0'-8"	0'-6"	0'-7"
1 x 3/8	12.8	0.545		1'-1"	0'-11"	0'-9"	1'-8"	0'-9"	0'-7"	0'-9"
1-1/4 x 1/4	10.8	0.568	CROSS	1'-2"	0'-11"	0'-9"	1'-10"	0'-9"	0'-7"	0'-9"
1-1/4 x 5/16	13.3	0.710		1'-3"	1'-0"	0'-10"	2'-1"	0'-10"	0'-8"	0'-11"
1-1/4 x 3/8	15.7	0.852		1'-4"	1'-1"	1'-0"	2'-3"	0'-11"	0'-9"	1'-1"
1-1/2 x 1/4	12.8	0.818	BAR	1'-3"	1'-1"	0'-11"	2'-5"	0'-11"	0'-9"	1'-0"
1-1/2 x 5/16	15.7	1.023		1'-5"	1'-3"	1'-1"	2'-9"	1'-0"	0'-11"	1'-3"
1-1/2 x 3/8	18.7	1.227		1'-6"	1'-4"	1'-3"	3'-0"	1'-1"	1'-0"	1'-6"
1-3/4 x 1/4	14.8	1.114	SELECTION	1'-6"	1'-3"	1'-2"	3'-1"	1'-1"	0'-11"	1'-4"
1-3/4 x 5/16	18.2	1.392		1'-8"	1'-6"	1'-4"	3'-5"	1'-3"	1'-1"	1'-8"
1-3/4 x 3/8	21.6	1.670		1'-10"	1'-8"	1'-6"	3'-9"	1'-4"	1'-3"	1'-11"
2 x 1/4	16.7	1.455	CHART	1'-8"	1'-6"	1'-4"	3'-11"	1'-3"	1'-2"	1'-9"
2 x 5/16	20.6	1.818		1'-11"	1'-9"	1'-7"	4'-2"	1'-5"	1'-5"	2'-1"
2 x 3/8	24.5	2.182		2'-1"	2'-0"	1'-10"	4'-5"	1'-8"	1'-7"	2'-6"
2-1/4 x 1/4	18.7	1.841	HEAVY	1'-11"	1'-9"	1'-8"	4'-4"	1'-6"	1'-5"	2'-2"
2-1/4 x 5/16	23.1	2.301		2'-2"	2'-0"	1'-11"	4'-8"	1'-9"	1'-8"	2'-8"
2-1/4 x 3/8	27.5	2.761		2'-6"	2'-4"	2'-3"	5'-0"	2'-0"	2'-0"	3'-2"
2-1/2 x 1/4	20.7	2.273	DUTY	2'-2"	2'-0"	1'-11"	4'-10"	1'-8"	1'-8"	2'-7"
2-1/2 x 5/16	25.6	2.841		2'-6"	2'-5"	2'-4"	5'-3"	2'-0"	2'-0"	3'-3"
2-1/2 x 3/8	30.4	3.409		2'-10"	2'-9"	2'-8"	5'-7"	2'-4"	2'-4"	3'-10"
3 x 1/4	24.6	3.273	GRATING	2'-9"	2'-8"	2'-7"	5'-10"	2'-3"	2'-3"	3'-9"
3 x 5/16	30.6	4.091		3'-3"	3'-2"	3'-2"	6'-3"	2'-9"	2'-9"	4'-7"
3 x 3/8	36.4	4.909		3'-9"	3'-8"	3'-9"	6'-8"	3'-2"	3'-4"	4'-11"
3-1/2 x 1/4	28.6	4.455	PAGE	3'-6"	3'-5"	3'-5"	6'-10"	3'-11"	3'-0"	5'-0"
3-1/2 x 5/16	35.5	5.568		4'-2"	4'-1"	4'-2"	7'-4"	3'-9"	3'-8"	5'-5"
3-1/2 x 3/8	42.3	6.682		4'-10"	4'-10"	4'-11"	7'-9"	4'-2"	4'-5"	5'-9"
4 x 1/4	32.5	5.818		4'-4"	4'-3"	4'-4"	7'-9"	3'-9"	3'-10"	5'-9"
4 x 5/16	40.4	7.273		5'-2"	5'-2"	5'-4"	8'-4"	4'-6"	4'-9"	6'-2"
4 x 3/8	48.2	8.727		5'-6"	5'-6"	5'-8"	8'-11"	5'-4"	5'-5"	6'-7"
5 x 1/4	40.4	9.091		6'-0"	6'-0"	6'-2"	9'-9"	5'-7"	5'-11"	7'-2"
5 x 3/8	60.0	13.636		6'-10"	6'-11"	7'-0"	11'-2"	6'-7"	6'-10"	8'-3"
5 x 1/2	79.3	18.182		7'-6"	7'-7"	7'-9"	12'-3"	7'-3"	7'-6"	9'-1"
6 x 1/4	48.4	13.091		7'-2"	7'-3"	7'-5"	11'-8"	6'-11"	7'-2"	8'-8"
6 x 3/8	71.8	19.636		8'-2"	8'-3"	8'-5"	13'-4"	7'-11"	8'-2"	9'-11"
6 x 1/2	95.0	26.182		9'-0"	9'-1"	9'-4"	14'-8"	8'-9"	9'-0"	10'-11"
7 x 1/4	56.3	17.818		9'-4"	9'-5"	9'-7"	13'-7"	8'-1"	8'-4"	10'-1"
7 x 3/8	83.5	26.727		9'-6"	9'-8"	9'-10"	15'-7"	9'-3"	9'-7"	11'-8"
7 x 1/2	110.6	35.636		10'-6"	10'-7"	10'-10"	17'-2"	10'-2"	10'-6"	12'-8"

### 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.

