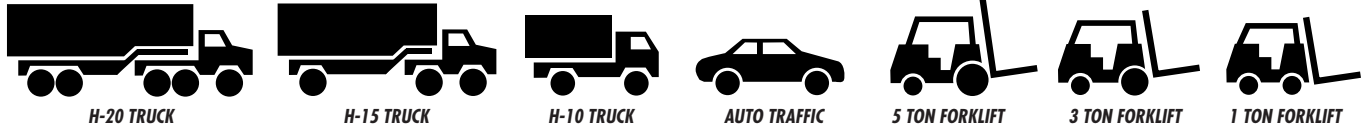


Heavy Duty Load Table: TYPE W-19-4

LOAD TABLE: TYPE W-19-4

**BEARING BARS 1-3/16" 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	10.1	0.421	SEE	1'-1"	0'-10"	0'-8"	1'-5"	0'-8"	0'-6"	0'-7"
1 x 5/16	12.3	0.526		1'-1"	0'-11"	0'-9"	1'-7"	0'-8"	0'-7"	0'-8"
1 x 3/8	14.6	0.632		1'-2"	1'-0"	0'-10"	1'-9"	0'-9"	0'-8"	0'-9"
1-1/4 x 1/4	12.3	0.658	CROSS	1'-2"	1'-0"	0'-10"	2'-0"	0'-9"	0'-8"	0'-10"
1-1/4 x 5/16	15.1	0.822		1'-3"	1'-1"	0'-11"	2'-3"	0'-10"	0'-9"	1'-0"
1-1/4 x 3/8	17.9	0.987		1'-5"	1'-2"	1'-0"	2'-5"	1'-0"	0'-10"	1'-2"
1-1/2 x 1/4	14.6	0.947	BAR	1'-4"	1'-2"	1'-0"	2'-7"	0'-11"	0'-10"	1'-1"
1-1/2 x 5/16	18.0	1.184		1'-6"	1'-4"	1'-2"	2'-11"	1'-1"	0'-11"	1'-4"
1-1/2 x 3/8	21.3	1.421		1'-8"	1'-6"	1'-4"	3'-2"	1'-2"	1'-1"	1'-7"
1-3/4 x 1/4	16.9	1.289	SELECTION	1'-7"	1'-5"	1'-3"	3'-3"	1'-2"	1'-0"	1'-6"
1-3/4 x 5/16	20.8	1.612		1'-9"	1'-7"	1'-5"	3'-8"	1'-4"	1'-3"	1'-10"
1-3/4 x 3/8	24.7	1.934		1'-11"	1'-9"	1'-8"	4'-0"	1'-6"	1'-5"	2'-2"
2 x 1/4	19.1	1.684	CHART	1'-10"	1'-8"	1'-6"	4'-0"	1'-4"	1'-3"	1'-10"
2 x 5/16	23.6	2.105		2'-1"	1'-11"	1'-9"	4'-4"	1'-7"	1'-6"	2'-4"
2 x 3/8	28.2	2.526		2'-4"	2'-2"	2'-1"	4'-7"	1'-10"	1'-7"	2'-9"
2-1/4 x 1/4	21.4	2.131	HEAVY	2'-1"	1'-11"	1'-9"	4'-6"	1'-7"	1'-6"	2'-4"
2-1/4 x 5/16	26.5	2.664		2'-5"	2'-3"	2'-2"	4'-11"	1'-11"	1'-10"	2'-11"
2-1/4 x 3/8	31.5	3.197		2'-8"	2'-7"	2'-6"	5'-2"	2'-2"	2'-2"	3'-5"
2-1/2 x 1/4	23.7	2.631	DUTY	2'-4"	2'-3"	2'-1"	5'-0"	1'-10"	1'-10"	2'-10"
2-1/2 x 5/16	29.3	3.289		2'-9"	2'-7"	2'-7"	5'-5"	2'-3"	2'-3"	3'-6"
2-1/2 x 3/8	34.9	3.947		3'-2"	3'-0"	3'-0"	5'-9"	2'-7"	2'-7"	4'-2"
3 x 1/4	28.2	3.789	GRATING	3'-1"	2'-11"	2'-11"	6'-0"	2'-6"	2'-6"	4'-1"
3 x 5/16	35.1	4.736		3'-7"	3'-6"	3'-6"	6'-6"	3'-0"	3'-1"	4'-9"
3 x 3/8	41.8	5.684		4'-2"	4'-1"	4'-2"	6'-11"	3'-7"	3'-8"	5'-1"
3-1/2 x 1/4	32.8	5.157	PAGE	3'-10"	3'-9"	3'-9"	7'-1"	3'-3"	3'-4"	5'-2"
3-1/2 x 5/16	40.7	6.447		4'-8"	4'-7"	4'-8"	7'-7"	4'-0"	4'-1"	5'-7"
3-1/2 x 3/8	48.6	7.736		5'-0"	5'-0"	5'-1"	8'-1"	4'-8"	4'-10"	5'-11"
4 x 1/4	37.3	6.736		4'-10"	4'-9"	4'-8"	8'-1"	4'-2"	4'-3"	5'-11"
4 x 5/16	46.4	8.420		5'-5"	5'-5"	5'-6"	8'-8"	5'-1"	5'-3"	6'-5"
4 x 3/8	55.4	11.104		5'-9"	5'-9"	5'-10"	9'-5"	5'-6"	5'-8"	6'-9"
5 x 1/4	46.4	10.525		6'-3"	6'-3"	6'-5"	10'-1"	6'-0"	6'-2"	7'-5"
5 x 3/8	68.9	15.788		7'-1"	7'-2"	7'-4"	11'-7"	6'-11"	7'-1"	8'-6"
5 x 1/2	91.3	21.050		7'-10"	7'-11"	8'-1"	12'-9"	7'-7"	7'-9"	9'-4"
6 x 1/4	55.6	15.156		7'-6"	7'-6"	7'-8"	12'-1"	7'-3"	7'-5"	8'-11"
6 x 3/8	82.5	22.734		8'-6"	8'-7"	8'-9"	13'-10"	8'-3"	8'-6"	10'-2"
6 x 1/2	109.3	30.312		9'-5"	9'-6"	9'-8"	15'-3"	9'-1"	9'-4"	11'-3"
7 x 1/4	64.6	20.629		8'-8"	8'-9"	8'-11"	14'-2"	8'-5"	8'-8"	10'-5"
7 x 3/8	96.0	30.944		9'-11"	10'-0"	10'-3"	16'-2"	9'-8"	9'-11"	11'-11"
7 x 1/2	127.3	41.258		10'-11"	11'-1"	11'-3"	17'-10"	10'-7"	10'-11"	13'-1"

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.

