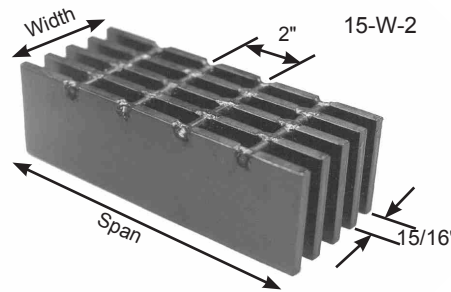
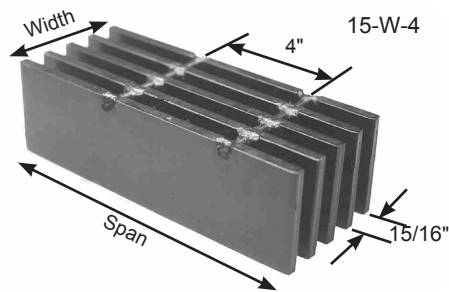


# 15 SPACE



BB Size	CB Ctrs	% Open Area*		
		Bearing Bar Thickness		
		1/4"	5/16"	3/8"
Thru 4"	4" cc	66%	60%	54%
2-1/2"	2" cc	60%	55%	49%
3" to 6"	4" cc	69%	62%	56%
	2" cc	64%	58%	53%

Bar Size, Inches	Wt.** Lbs. Sq. Ft.	Section Properties		Maximum Safe Clear Span, Inches- Partially Distributed Load			
		Sx**, in <sup>3</sup> Ft. Width	Ix**, in <sup>4</sup> Ft. Width	1 Ton	3 Ton	5 Ton	H15/H20
1 x 1/4	12.01	0.533	0.267	8	7	8	10
1 x 3/8	17.45	0.800	0.400	11	8	10	13
1-1/4 x 1/4	14.73	0.833	0.521	11	9	10	13
1-1/4 x 3/8	21.53	1.250	0.781	16	11	13	16
1-1/2 x 1/4	17.45	1.200	0.900	15	11	13	16
1-1/2 x 5/16	21.53	1.500	1.125	19	13	15	18
1-1/2 x 3/8	25.61	1.800	1.350	22	15	16	20
1-3/4 x 1/4	20.17	1.633	1.429	20	14	15	19
1-3/4 x 3/8	29.68	2.450	2.144	30	20	21	25
2 x 1/4	22.89	2.133	2.133	26	17	19	22
2 x 5/16	28.33	2.667	2.667	32	21	22	26
2 x 3/8	33.77	3.200	3.200	38	25	25	30
2-1/4 x 1/4	25.61	2.700	3.038	32	21	22	26
2-1/4 x 3/8	37.85	4.050	4.556	47*	30	31	36
2-1/2 x 1/4	28.33	3.333	4.167	40	26	26	31
2-1/2 x 5/16	35.12	4.167	5.208	49	31	32	37
2-1/2 x 3/8	41.93	5.000	6.250	55*	37	37	43
3 x 1/4	35.19	4.800	7.200	56	36	36	42
3 x 5/16	43.36	6.000	9.000	66*	44	43	50
3 x 3/8	51.51	7.200	10.800	73*	52	51	59*
3-1/2 x 1/4	40.63	6.533	11.433	75*	47	47	54
3-1/2 x 3/8	59.68	9.800	17.150	92*	69	67	73*
4 x 1/4	46.07	8.533	17.067	92*	61	59	69
4 x 5/16	56.95	10.667	21.333	96	75	73	81*
4 x 3/8	67.83	12.800	25.600	96	87*	84*	89*
4-1/2 x 1/4	51.51	10.800	24.300	96	76	74	85
4-1/2 x 3/8	76.00	16.200	36.450	96	96	96	96
5 x 1/4	56.95	13.333	33.333	96	93	90	96
5 x 5/16	70.56	16.667	41.667	96	96	96	96
5 x 3/8	84.15	20.000	50.000	96	96	96	96
5-1/2 x 1/4	62.39	16.133	44.367	96	96	96	96
5-1/2 x 3/8	92.32	24.200	66.550	96	96	96	96
6 x 1/4	67.83	19.200	57.600	96	96	96	96
6 x 5/16	84.15	24.000	72.000	96	96	96	96
6 x 3/8	100.47	28.800	86.400	96	96	96	96

\*Span limited to 1/400 of span = Deflection. \*\*Based on 12.8 bars/ft of grating width. Bearing bars 15/16" c.c. **Note:** When serrated grating is specified, the depth of grating required for a specified load will be 1/4" greater than that shown in these tables. Weights shown are for 4" cross bar centers. Add 1.13 lbs./sq. ft. (3/8" Dia.) or 2.55 lbs./sq. ft. (1" x 1/4") for 2" cross bar centers. Cross bars are determined based on project applications and bearing bar height.

# 15 SPACE

Bar Size Inches	Maximum Safe Concentrated Load*, Lbs. - Clear Span												
	1'- 0"	1'- 6"	2'- 0"	2'- 6"	3'- 0"	3'- 6"	4'- 0"	4'- 6"	5'- 0"	5'- 6"	6'- 0"	7'- 0"	8'- 0"
1 x 1/4	3553	2369	1777	1421	1184	1015							
1 x 3/8	5333	3556	2667	2133	1778	1524							
1-1/4 x 1/4	5553	3702	2777	2221	1851	1587	1388						
1-1/4 x 3/8	8333	5556	4167	3333	2778	2381	2083						
1-1/2 x 1/4	8000	5333	4000	3200	2667	2286	2000	1778					
1-1/2 x 5/16	10000	6667	5000	4000	3333	2857	2500	2222					
1-1/2 x 3/8	12000	8000	6000	4800	4000	3429	3000	2667					
1-3/4 x 1/4	10887	7258	5443	4355	3629	3110	2722	2419	2177				
1-3/4 x 3/8	16333	10889	8167	6533	5444	4667	4083	3630	3267				
2 x 1/4	14220	9480	7110	5688	4740	4063	3555	3160	2844				
2 x 5/16	17780	11853	8890	7112	5927	5080	4445	3951	3556				
2 x 3/8	21333	14222	10667	8533	7111	6095	5333	4741	4267				
2-1/4 x 1/4	18000	12000	9000	7200	6000	5143	4500	4000	3600	3273			
2-1/4 x 3/8	27000	18000	13500	10800	9000	7714	6750	6000	5400	4909			
2-1/2 x 1/4	22220	14813	11110	8888	7407	6349	5555	4938	4444	4040	3703		
2-1/2 x 5/16	27780	18520	13890	11112	9260	7937	6945	6173	5556	5051	4630		
2-1/2 x 3/8	33333	22222	16667	13333	11111	9524	8333	7407	6667	6061	5556		
3 x 1/4	32000	21333	16000	12800	10667	9143	8000	7111	6400	5818	5333		
3 x 5/16	40000	26667	20000	16000	13333	11429	10000	8889	8000	7273	6667		
3 x 3/8	48000	32000	24000	19200	16000	13714	12000	10667	9600	8727	8000		
3-1/2 x 1/4	43553	29036	21777	17421	14518	12444	10888	9679	8711	7919	7259	6222	
3-1/2 x 3/8	65333	43556	32667	26133	21778	18667	16333	14519	13067	11879	10889	9333	
4 x 1/4	56887	37924	28443	22755	18962	16253	14222	12641	11377	10343	9481	8127	
4 x 5/16		47409	35557	28445	23704	20318	17778	15803	14223	12930	11852	10159	
4 x 3/8		56889	42667	34133	28444	24381	21333	18963	17067	15515	14222	12190	
4-1/2 x 1/4		48000	36000	28800	24000	20571	18000	16000	14400	13091	12000	10286	9000
4-1/2 x 3/8			54000	43200	36000	30857	27000	24000	21600	19636	18000	15429	13500
5 x 1/4			44443	35555	29629	25396	22222	19753	17777	16161	14814	12698	11111
5 x 5/16			55557	44445	37038	31747	27778	24692	22223	20202	18519	15873	13889
5 x 3/8			66667	53333	44444	38095	33333	29630	26667	24242	22222	19048	16667
5-1/2 x 1/4			53777	43021	35851	30730	26888	23901	21511	19555	17926	15365	13444
5-1/2 x 3/8					53778	46095	40333	35852	32267	29333	26889	23048	20167
6 x 1/4					42667	36571	32000	28444	25600	23273	21333	18286	16000
6 x 5/16					53333	45714	40000	35556	32000	29091	26667	22857	20000
6 x 3/8						54857	48000	42667	38400	34909	32000	27429	24000

% Open Area*				
BB Size	CB Ctrs	Bearing Bar Thickness		
		1/4"	5/16"	3/8"
Thru 2-1/2"	4" cc	66%	60%	54%
3" to 6"	2" cc	69%	62%	56%
	2" cc	64%	58%	53%

Loads are theoretical and based on a unit stress of 20,000 psi.

\*Based on 12.8 bars / ft. of grating width. Bearing bars 15/16" c.c. Note: When serrated grating is specified, the depth of grating required for a specific load will be 1/4" greater than that shown in these tables.

Panel Width Chart (in.) - 15-W-4 & 15-W-2															
Dimensions Are Out-to-Out of Bearing Bars**															
No. of Bars	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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
5/16" Bars	1-1/4	2-3/16	3-1/8	4-1/16	5	5-15/16	6-7/8	7-13/16	8-3/4	9-11/16	10-5/8	11-9/16	12-1/2	13-7/16	14-3/8
3/8" Bars	1-5/16	2-1/4	3-3/16	4-1/8	5-1/16	6	6-15/16	7-7/8	8-13/16	9-3/4	10-11/16	11-5/8	12-9/16	13-1/2	14-7/16
No. of Bars	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1/4" Bars	15-1/4	16-3/16	17-1/8	18-1/16	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
5/16" Bars	15-5/16	16-1/4	17-3/16	18-1/8	19-1/16	20	20-15/16	21-7/8	22-13/16	23-3/4	24-11/16	25-5/8	26-9/16	27-1/2	28-7/16
3/8" Bars	15-3/8	16-5/16	17-1/4	18-3/16	19-1/8	20-1/16	21	21-15/16	22-7/8	23-13/16	24-3/4	25-11/16	26-5/8	27-9/16	28-1/2
No. of Bars	32	33	34	35	36	37	38	39							
1/4" Bars	29-5/16	30-1/4	31-3/16	32-1/8	33-1/16	34	34-15/16	35-7/8							
5/16" Bars	29-3/8	30-5/16	31-1/4	32-3/16	33-1/8	34-1/16	35	35-15/16							
3/8" Bars	29-7/16	30-3/8	31-5/16	32-1/4	33-3/16	34-1/8	35-1/16	36							