

TABLE XL.

TABLE OF APPROXIMATE WORKING LOADS FOR I-BEAMS USED AS STRUTS IN LATERAL SYSTEMS OR SWAY BRACING.

Length of Strut in feet.			7" 20# I.		7" 18# I.		6" 16# I.		6" 13.5# I.		5" 12# I.		5" 10# I.		4" 10# I.		4" 8# I.		Length of Strut in feet.		
			SIDE- WAYS.	EDGE- WAYS.	SIDE- WAYS.	EDGE- WAYS.	SIDE- WAYS.	EDGE- WAYS.	SIDE- WAYS.	EDGE- WAYS.	SIDE- WAYS.	EDGE- WAYS.	SIDE- WAYS.	EDGE- WAYS.	SIDE- WAYS.	EDGE- WAYS.	SIDE- WAYS.	EDGE- WAYS.			
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1			26.7	27.0	24.2	24.5	21.5	21.7	18.2	18.2	16.0	16.0	13.8	13.8	13.5	13.5	10.8	10.8	1		
2	1.5	1	26.4	26.9	24.0	24.4	21.2	21.6	17.7	18.1	15.5	15.9	13.0	13.0	12.7	13.2	10.2	10.6	2	1.5	1
4	3.0	2	25.0	26.7	22.7	24.3	20.0	21.5	16.5	18.0	13.7	15.7	11.1	12.8	11.2	13.0	9.0	10.4	4	3.0	2
6	4.5	3	23.0	26.5	21.0	24.2	18.0	21.2	15.0	17.9	11.7	15.5	9.7	12.6	9.2	12.7	7.4	10.2	6	4.5	3
8	6.0	4	20.5	26.2	18.7	24.0	15.8	21.0	13.2	17.7	9.7	15.2	8.1	12.4	7.4	12.5	5.9	10.0	8	6.0	4
10	7.5	5	18.2	26.0	16.5	23.7	13.7	20.7	11.5	17.5	8.0	14.9	6.7	12.2	6.0	12.2	4.8	9.8	10	7.5	5
12	9.0	6	15.7	25.7	14.5	23.5	11.7	20.2	10.4	17.1	6.5	14.5	5.4	12.0	5.0	11.6	4.0	9.3	12	9.0	6
14	10.5	7	13.7	25.2	12.5	23.1	10.0	19.7	9.2	16.7	5.4	14.0	4.5	11.7	4.0	11.0	3.2	8.8	14	10.5	7
16	12.0	8	12.0	24.7	11.2	22.7	8.7	19.2	8.0	16.2	4.4	13.5	3.7	11.3	3.2	10.5	2.5	8.4	16	12.0	8
18	13.5	9	10.5	24.2	9.7	22.2	7.5	18.7	6.7	15.7	3.6	13.0	3.0	10.8	2.5	10.0	2.0	8.0	18	13.5	9
20	15.0	10	9.0	23.7	8.5	21.7	6.5	18.1	5.5	15.2	3.0	12.5	2.5	10.4	2.2	9.5	1.8	7.5	20	15.0	10
22	16.5	11	8.0	23.0	7.5	21.2	5.7	17.5	5.0	14.7	2.6	12.0	2.2	10.0	2.0	8.8	1.6	7.0	22	16.5	11
24	18.0	12	7.0	22.3	6.5	20.7	5.0	17.0	4.5	14.2	2.3	11.5	2.0	9.6	1.7	8.2	1.4	6.6	24	18.0	12
26	19.5	13	6.2	21.7	5.7	20.2	4.2	16.2	4.0	13.7	2.0	11.0	1.8	9.2	1.5	7.7	1.2	6.2	26	19.5	13
28	21.0	14	5.5	21.1	5.0	19.5	3.7	15.5	3.5	13.2	1.8	10.4	1.6	8.7	1.3	7.2	1.0	5.8	28	21.0	14
30	22.5	15	5.0	20.5	4.5	18.7	3.5	15.0	3.1	12.7	1.6	9.7	1.5	8.1	1.1	6.7	0.9	5.3	30	22.5	15
32	24.0	16	4.5	19.8	4.0	18.0	3.0	14.5	2.7	12.2	1.4	9.0	1.3	7.5	0.9	6.3	0.8	5.0	32	24.0	16
34	25.5	17	4.0	19.2	3.5	17.5	2.7	14.0	2.5	11.7	1.2	8.2	1.1	6.8	0.8	6.0	0.7	4.8	34	25.5	17
36	27.0	18	3.5	18.6	3.2	17.0	2.5	13.5	2.2	11.2	1.1	7.5	1.0	6.2	0.8	5.6	0.6	4.5	36	27.0	18
38	28.5	19	3.2	18.0	3.0	16.5	2.2	13.0	2.0	10.7	1.0	6.8	0.9	5.7	0.7	5.2	0.6	4.2	38	28.5	19
40	30.0	20	3.0	17.4	2.7	16.0	2.0	12.5	1.7	10.2	0.9	6.1	0.8	5.1	0.6	5.0	0.5	4.0	40	30.0	20