

Allowable Joist Spans—Dead Load=10 PSF/Live Load=50 PSF

MEMBER	SINGLE SPAN				TWO EQUAL SPANS							
	SIZE (in.)	CODE	GAGE	SPACING O.C.	SIZE (in.)	CODE	GAGE	SPACING O.C.				
3-5/8	10	CSX	14	12	16	24	12	16	24			
				ft.-in.	ft.-in.	ft.-in.	ft.-in.	ft.-in.	ft.-in.	ft.-in.	ft.-in.	
				17-0	7-0	5-8	7-10	6-9	5-5	7-10	6-9	5-5
				8-3	7-3	5-11	8-2	7-0	5-7	8-2	7-0	5-7
				8-7	7-6	6-1	8-5	7-3	5-10	8-5	7-3	5-10
				8-6	7-9	6-9	9-3	8-4	6-9	9-3	8-4	6-9
				9-0	8-2	7-0	9-9	8-6	6-10	9-9	8-6	6-10
				9-6	8-7	7-3	10-1	8-9	7-1	10-1	8-9	7-1
				9-2	8-4	7-3	9-11	9-0	7-10	9-11	9-0	7-10
				9-8	8-9	7-8	10-5	9-6	8-3	10-5	9-6	8-3
				10-0	9-1	7-11	10-10	9-10	8-7	10-10	9-10	8-7
				9-9	8-11	7-9	10-7	9-7	8-5	10-7	9-7	8-5
10-4	9-5	8-3	11-2	10-2	8-11	11-2	10-2	8-11				
10-11	9-11	8-8	11-9	10-8	9-4	11-9	10-8	9-4				
10-10	9-10	8-7	11-9	10-8	9-4	11-9	10-8	9-4				
11-6	10-5	9-1	12-5	11-3	9-10	12-5	11-3	9-10				
12-2	11-0	9-8	13-2	11-11	10-5	13-2	11-11	10-5				
8-6	7-5	6-1	8-4	7-2	5-8	8-4	7-2	5-8				
8-11	7-9	6-3	8-7	7-4	5-11	8-7	7-4	5-11				
9-2	8-4	7-4	10-0	8-10	7-2	10-0	8-10	7-2				
9-9	8-10	7-6	10-5	9-0	7-3	10-5	9-0	7-3				
10-2	9-3	7-8	10-9	9-3	7-6	10-9	9-3	7-6				
9-10	8-7	7-10	10-8	9-8	8-6	10-8	9-8	8-6				
10-5	9-6	8-3	11-3	10-3	8-11	11-3	10-3	8-11				
10-9	9-10	8-7	11-8	10-7	9-3	11-8	10-7	9-3				
10-7	9-7	8-5	11-5	10-5	9-1	11-5	10-5	9-1				
11-2	10-2	8-10	12-1	11-0	9-7	12-1	11-0	9-7				
11-9	10-8	9-4	12-8	11-6	10-1	12-8	11-6	10-1				
11-8	10-8	9-3	12-8	11-6	10-1	12-8	11-6	10-1				
12-5	11-3	9-10	13-5	12-2	10-8	13-5	12-2	10-8				
13-1	11-11	10-5	14-2	12-10	11-3	14-2	12-10	11-3				
11-4	9-10	8-0	10-0	8-3	6-3	10-0	8-3	6-3				
11-7	10-0	8-2	10-2	8-5	6-4	10-2	8-5	6-4				
11-10	10-3	8-4	10-4	8-6	6-5	10-3	8-4	8-6				
11-10	10-3	8-4	10-3	8-6	6-5	11-10	10-3	8-6				
12-0	10-4	8-6	10-5	8-7	6-5	12-0	10-4	8-7				
12-8	11-6	9-8	13-2	11-3	8-11	13-2	11-3	8-11				
13-3	12-0	9-9	13-4	11-5	9-1	13-3	12-0	9-9				
13-11	12-4	10-0	13-8	11-8	9-3	13-11	12-4	9-3				
14-5	12-10	10-6	14-2	12-1	9-7	14-5	12-10	10-6				
14-9	13-1	10-9	14-6	12-4	9-9	14-9	13-1	10-9				
13-7	12-4	10-9	14-8	13-4	11-8	13-7	12-4	10-9				
14-3	13-0	11-4	15-5	14-0	12-3	14-3	13-0	11-4				
14-8	13-4	11-8	15-11	14-6	12-8	14-8	13-4	11-8				
15-7	14-2	12-4	16-10	15-4	13-4	15-7	14-2	12-4				
15-11	14-6	12-8	17-3	15-8	13-8	15-11	14-6	12-8				
14-7	13-3	11-7	15-9	14-4	12-6	14-7	13-3	11-7				
15-4	13-11	12-2	16-7	15-0	13-2	15-4	13-11	12-2				
16-0	14-6	12-8	17-3	15-9	13-9	16-0	14-6	12-8				
17-0	15-5	13-6	18-4	16-8	14-7	17-0	15-5	13-6				

Joist Notes:

- For single span joist cells shaded in light blue , web stiffeners are needed at the bearing point.
If cells are not shaded , web stiffeners are not required.
- For double span joist cells shaded in medium blue , web stiffeners are required at the center bearing point only.
For cells shaded in dark blue , web stiffeners are required at the end and center bearing conditions.
If cells are not shaded , web stiffeners are not required at the center and the end bearing conditions.
- Please refer to page 30 for other important information.