

Allowable Joist Spans—Dead Load=10 PSF/Live Load=40 PSF



MEMBER	SIZE (in.)	CODE	GAGE	SINGLE SPAN SPACING O.C.			TWO EQUAL SPANS SPACING O.C.		
				12	16	24	12	16	24
				ft.-in.	ft.-in.	ft.-in.	ft.-in.	ft.-in.	ft.-in.
3-5/8	6	CSJ	20	8-6	7-8	6-3	8-8	7-5	6-0
		CSW	20	8-10	7-11	6-6	8-11	7-8	6-2
		CSE	20	9-3	8-2	6-8	9-3	8-0	6-5
		CSJ	18	9-2	8-4	7-3	9-10	9-0	7-5
		CSW	18	9-8	8-10	7-8	10-5	9-4	7-6
		CSE	18	10-3	9-3	7-11	10-11	9-7	7-9
		CSJ	16	9-10	8-11	7-10	10-7	9-7	8-5
		CSW	16	10-5	9-5	8-3	11-2	10-2	8-10
		CSE	16	10-9	9-10	8-7	11-7	10-6	9-2
		CSJ	14	10-6	9-7	8-4	11-3	10-3	9-0
		CSW	14	11-2	10-1	8-10	11-11	10-10	9-6
		CSE	14	11-9	10-8	9-4	12-7	11-5	10-0
		CSJ	12	11-8	10-7	9-3	12-6	11-4	9-11
		CSW	12	12-4	11-3	9-10	13-3	12-0	10-6
		CSE	12	13-1	11-10	10-4	14-0	12-9	11-2
		CSJ	20	9-2	8-2	6-8	9-2	7-10	6-4
		CSW	20	9-7	8-5	6-11	9-6	8-2	6-6
		CSE	20	9-11	8-9	7-2	9-10	8-5	6-9
CSJ	18	9-11	9-0	7-10	10-8	9-8	7-10		
CSW	18	10-6	9-6	8-2	11-3	9-11	8-0		
CSE	18	11-0	10-0	8-5	11-9	10-2	8-3		
CSJ	16	10-8	9-8	8-5	11-5	10-4	9-1		
CSW	16	11-3	10-2	8-11	12-0	10-11	9-7		
CSE	16	11-7	10-7	9-3	12-6	11-4	9-11		
CSJ	14	11-4	10-4	9-0	12-2	11-1	9-8		
CSW	14	12-0	10-11	9-6	12-11	11-9	10-3		
CSE	14	12-8	11-6	10-0	13-7	12-4	10-9		
CSJ	12	12-7	11-5	10-0	13-6	12-3	10-9		
CSW	12	13-4	12-1	10-7	14-4	13-0	11-4		
CSE	12	14-1	12-10	11-2	15-1	13-9	12-0		
CSJ	20	12-5	10-9	8-9	11-2	9-4	7-2		
CSW	20	12-8	11-0	9-0	11-4	9-6	7-3		
CSE	20	12-11	11-3	9-2	11-7	9-8	7-4		
CSJ	20	12-11	11-2	9-2	11-6	9-7	7-4		
CSW	20	13-8	12-5	10-7	14-6	12-5	9-11		
CSE	20	14-4	13-0	10-9	14-8	12-7	10-1		
CSJ	18	15-0	13-6	11-0	15-0	12-11	10-3		
CSW	18	15-6	14-0	11-6	15-7	13-4	10-8		
CSE	18	15-11	14-4	11-9	16-0	13-8	10-10		
CSJ	16	14-7	13-3	11-7	15-8	14-3	12-5		
CSW	16	15-4	14-0	12-2	16-6	15-0	13-1		
CSE	16	15-10	14-5	12-7	17-0	15-5	13-6		
CSJ	16	16-9	15-3	13-4	18-0	16-4	14-3		
CSW	16	17-2	15-7	13-8	18-5	16-9	14-8		
CSE	16	17-8	16-3	14-3	19-2	17-6	15-3		
CSJ	14	15-8	14-3	12-5	16-10	15-3	13-4		
CSW	14	16-6	15-0	13-1	17-8	16-1	14-0		
CSE	14	17-3	15-8	13-8	18-6	16-9	14-8		
CSJ	14	18-3	16-7	14-6	19-7	17-10	15-7		

MEMBER	SIZE (in.)	CODE	GAGE	SINGLE SPAN SPACING O.C.			TWO EQUAL SPANS SPACING O.C.		
				12	16	24	12	16	24
				ft.-in.	ft.-in.	ft.-in.	ft.-in.	ft.-in.	ft.-in.
6	6	CSX	14	18-9	17-1	14-11	20-2	18-4	16-0
		CSJ	12	17-5	15-10	13-10	18-8	17-0	14-10
		CSW	12	18-4	16-8	14-7	19-8	17-11	15-7
		CSE	12	19-3	17-6	15-3	20-8	18-9	16-5
		CSJ	12	20-5	18-7	16-2	21-11	19-11	17-5
		CSW	12	21-2	19-3	16-9	22-8	20-7	18-0
		CSE	12	21-8	19-9	17-4	23-1	21-11	19-5
		CSJ	10	18-6	16-9	14-8	19-10	18-0	15-9
		CSW	10	19-6	17-8	15-6	20-11	19-0	16-7
		CSE	10	20-5	18-7	16-3	21-11	19-11	17-5
		CSJ	10	21-8	19-9	17-3	23-3	21-2	18-6
		CSW	10	22-6	20-5	17-10	24-2	21-11	19-2
		CSE	10	23-1	21-7	19-4	25-1	23-1	21-1
		CSJ	18	17-2	15-7	12-11	16-10	14-2	11-0
		CSW	18	18-0	16-0	13-1	16-11	14-3	11-0
		CSE	18	18-7	16-1	13-2	17-1	14-4	11-1
		CSJ	18	19-2	16-7	13-7	17-6	14-8	11-4
		CSW	18	19-6	16-10	13-9	17-8	14-10	11-5
CSE	18	19-9	16-9	14-8	19-9	18-0	15-8		
CSJ	16	18-5	16-9	14-8	19-9	18-0	15-8		
CSW	16	19-4	17-6	15-4	20-8	18-10	15-11		
CSE	16	19-10	18-0	15-9	21-3	19-4	16-2		
CSJ	16	20-11	19-0	16-7	22-6	20-5	17-4		
CSW	16	21-5	19-6	17-0	23-0	20-11	17-6		
CSE	16	21-5	19-6	17-0	23-0	20-11	17-6		
CSJ	14	19-9	18-0	15-8	21-3	19-3	16-10		
CSW	14	20-9	18-10	16-5	22-3	20-2	17-8		
CSE	14	21-6	19-7	17-1	23-1	21-0	18-4		
CSJ	14	22-10	20-9	18-2	24-6	22-3	19-5		
CSW	14	23-5	21-3	18-7	25-1	22-10	19-11		
CSE	14	22-0	20-0	17-6	23-8	21-6	18-9		
CSJ	12	23-1	21-0	18-4	24-9	22-6	19-8		
CSW	12	24-2	21-11	19-2	25-11	23-6	20-7		
CSE	12	25-6	23-2	20-3	27-5	24-11	21-9		
CSJ	12	26-5	24-0	20-11	28-4	25-9	22-6		
CSW	12	28-1	25-3	22-4	30-1	27-4	23-11		
CSE	12	24-6	22-4	19-6	26-4	23-11	20-11		
CSJ	10	25-8	23-4	20-4	27-6	25-0	21-10		
CSW	10	27-2	24-8	21-7	29-2	26-6	23-1		
CSE	10	28-1	25-6	22-3	30-1	27-4	23-11		
CSJ	18	19-3	16-8	13-8	16-8	13-9	10-3		
CSW	18	20-5	17-8	14-5	17-4	14-3	10-7		
CSE	18	20-8	17-10	14-7	17-6	14-4	10-7		
CSJ	18	21-5	18-6	15-1	17-10	14-8	10-11		
CSW	18	21-9	18-10	15-4	18-1	14-9	11-2		
CSE	18	22-2	20-2	17-7	23-9	20-8	16-2		
CSJ	16	23-1	21-0	18-4	24-9	21-2	16-6		
CSW	16	23-8	21-6	18-9	25-5	21-6	16-8		
CSE	16	24-11	22-8	19-10	26-9	23-0	17-9		
CSJ	16	25-5	23-1	20-2	27-3	23-3	17-11		
CSW	14	23-9	21-7	18-11	25-6	23-2	20-3		
CSE	14	24-10	22-7	19-8	26-7	24-2	21-2		
CSJ	14	25-9	23-4	20-5	27-7	25-1	21-11		

Joist Notes:

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