

Span Charts

Allowable spans for spruce, pine and fir. by The U.S. Span Book for Major Lumber Species MAXIMUM ALLOWABLE SPAN (ft.-in.)

Spacing (in.)	2 x 6			2 x 8			2 x 10			2 x 12			
	Grades	Sel Str.	No.1 No.2	No.3	Sel Str.	No.1 No.2	No.3	Sel Str.	No.1 No.2	No.3	Sel Str.	No.1 No.2	No.3
12		10-6	10-3	8-8	13-10	13-6	11-0	17-8	17-3	13-5	21-6	20-7	15-7
16		9-6	9-4	7-6	12-7	12-3	9-6	16-0	15-5	11-8	19-6	17-10	13-6
19.2		9-0	8-9	6-10	11-10	11-6	8-8	15-1	14-1	10-7	18-4	16-3	12-4
24		8-4	8-1	6-2	11-0	10-3	7-9	14-0	12-7	9-6	17-0	14-7	11-0

Allowable spans for APA performance rated I-Joists by APA the Engineered Wood Association SIMPLE SPANS ON CENTER SPACING (ft.-in.)

Depth	Joist Designation	12"	16"	19.2"	24"
9 1/2"	PRI-20	16-7	15-2	14-4	12-9
	PRI-30	17-1	15-8	14-10	13-11
	PRI-40	18-0	16-6	15-7	14-1
	PRI-50	17-10	16-4	15-5	14-5
	PRI-60	19-0	17-4	16-4	15-4
	PRI-80	19-11	18-2	16-6	14-9
11 7/8"	PRI-30	20-6	18-9	17-9	16-7
	PRI-40	21-6	19-7	18-2	16-3
	PRI-50	21-4	19-6	18-5	17-3
	PRI-60	22-8	20-8	19-6	18-3
	PRI-80	24-11	22-8	21-4	19-11
	PRI-40	24-4	22-1	20-2	18-0
14"	PRI-50	24-4	22-3	21-0	19-8
	PRI-60	25-9	23-6	22-2	20-9
	PRI-70	26-1	23-10	22-6	21-0
	PRI-80	28-3	25-9	24-3	22-8
	PRI-40	27-0	24-0	21-11	19-7
	PRI-50	27-0	24-8	23-4	20-2
16"	PRI-60	28-7	26-1	24-7	23-0
	PRI-70	29-0	26-5	24-11	23-1
	PRI-80	31-4	28-6	26-11	25-1

For more information on Performance Rated I-Joists visit: [APA website](http://www.apawood.org)