

Span Calculation Comparison of SPF's and SPF ******

Basic Floor & Ceiling Joist Construction Applications

Floor Joists Spans (feet-inches)

Deflection: $l/360$

40 psf Live Load - **10** psf Dead Load

Spacing →	12" o.c.		SPFs v. SPF (inches)	16" o.c.		SPFs v. SPF (inches)	24" o.c.		SPFs v. SPF (inches)
Grade ↓	SPFs	SPF		SPFs	SPF		SPFs	SPF	
2x6									
1	9-9	10-3	-6"	8-10	9-4	-6"	7-9	8-1	-4"
2	9-6	10-3	-9"	8-7	9-4	-9"	7-6	8-1	-7"
3	8-3	8-8	-5"	7-2	7-6	-4"	5-10	6-2	-4"
2x8									
1	12-10	13-6	-8"	11-8	12-3	-7"	10-2	10-3	-1"
2	12-6	13-6	-12"	11-4	12-3	-11"	9-8	10-3	-7"
3	10-5	11-0	-7"	9-0	9-6	-6"	7-5	7-9	-4"
2x10									
1	16-5	17-3	-10"	14-11	15-5	-6"	12-7	12-7	0
2	15-11	17-3	-16"	14-6	15-5	-11"	11-10	12-7	-9"
3	12-9	13-5	-8"	11-0	11-8	-8"	9-0	9-6	-6"
2x12									
1	19-11	20-7	-8"	17-10	17-10	0	14-7	14-7	0
2	19-4	20-7	-15"	16-10	17-10	-12"	13-9	14-7	-10"
3	14-9	15-7	-10"	12-10	13-6	-8"	10-5	11-0	-7"

****** Spans Calculated Using the American Wood Council's online Maximum Span Calculator for Wood Joists and Rafters.

