

# FLOOR JOISTS

60# LIVE LOAD 10# DEAD LOAD L/360

Table FJ-9

Design Criteria: *Strength* - 60 lbs. per sq. ft. live load, plus 10 lbs. per sq. ft. dead load.

*Deflection* - Limited in span in inches divided by 360 for live load only.

Species or Group		Grade		Span (feet and inches)															
				2 x 8				2 x 10				2 x 12				2 x 14			
				spacing on center															
12"	16"	19.2"	24"	12"	16"	19.2"	24"	12"	16"	19.2"	24"	12"	16"	19.2"	24"				
Douglas Fir- Larch	Sel. Struc.	13-1	11-11	11-2	10-5	16-8	15-2	14-3	13-3	20-3	18-5	17-4	16-1	23-11	21-9	20-2	18-0		
	No.1 & Btr.	12-10	11-8	11-0	10-2	16-5	14-11	13-11	12-5	19-11	17-8	16-1	14-5	22-9	19-9	18-0	16-1		
	No.1	12-7	11-5	10-5	9-4	16-1	13-11	12-8	11-4	18-7	16-1	14-9	13-2	20-10	18-0	16-5	14-8		
	No.2	12-4	10-10	9-10	8-10	15-3	13-2	12-0	10-9	17-8	15-4	14-0	12-6	19-9	17-1	15-7	13-11		
	No.3	9-6	8-3	7-6	6-9	11-8	10-1	9-2	8-3	13-6	11-8	10-8	9-6	15-1	13-1	11-11	10-8		
Douglas Fir- South	Sel. Struc.	11-10	10-9	10-1	9-4	15-1	13-8	12-11	11-11	18-4	16-8	15-8	14-7	21-7	19-7	18-5	17-1		
	No.1	11-6	10-6	9-10	8-11	14-8	13-4	12-2	10-11	17-11	15-6	14-2	12-8	20-0	17-4	15-10	14-2		
	No.2	11-3	10-2	9-7	8-7	14-4	12-10	11-8	10-6	17-2	14-10	13-7	12-2	19-2	16-7	15-2	13-7		
	No.3	9-4	8-1	7-4	6-7	11-4	9-10	9-0	8-0	13-2	11-5	10-5	9-4	14-8	12-9	11-8	10-5		
Hem-Fir	Sel. Struc.	12-4	11-3	10-7	9-10	15-9	14-4	13-6	12-6	19-2	17-5	16-5	15-2	22-7	20-6	19-3	<b>17-5</b>		
	No.1 & Btr.	12-1	11-0	10-4	9-7	15-5	14-0	13-2	11-11	18-9	16-11	15-5	13-10	21-10	18-11	17-3	15-5		
	No.1	12-1	11-0	10-3	9-2	15-5	13-9	12-6	11-3	18-5	15-11	14-6	13-0	20-6	17-9	16-3	14-6		
	No.2	11-6	10-6	9-7	8-7	14-8	12-10	11-8	10-6	17-2	14-10	13-7	12-2	19-2	16-7	15-2	13-7		
	No.3	9-4	8-1	7-4	6-7	11-4	9-10	9-0	8-0	13-2	11-5	10-5	9-4	14-8	12-9	11-8	10-5		
Spruce- Pine-Fir (South)	Sel. Struc.	11-6	10-6	9-10	9-2	14-8	13-4	12-7	11-8	17-11	16-3	15-3	14-2	21-1	19-2	<b>18-0</b>	<b>16-9</b>		
	No.1	11-3	10-2	9-7	8-8	14-4	13-0	11-10	10-7	17-5	15-1	13-9	12-4	19-5	16-10	15-5	13-9		
	No.2	10-11	9-11	9-2	8-2	13-11	12-3	11-2	10-0	16-5	14-2	12-11	11-7	18-4	15-10	14-6	12-11		
	No.3	8-10	7-8	7-0	6-3	10-9	9-4	8-6	7-7	12-6	10-10	9-10	8-10	13-11	12-1	11-0	9-10		
Western Woods	Sel. Struc.	11-3	10-2	9-7	8-10	14-4	13-0	12-0	10-9	17-5	15-4	14-0	12-6	19-9	17-1	15-7	13-11		
	No.1	10-10	9-4	8-6	7-8	13-2	11-5	10-5	9-4	15-4	13-3	12-1	10-10	17-1	14-10	13-6	12-1		
	No.2	10-7	9-4	8-6	7-8	13-2	11-5	10-5	9-4	15-4	13-3	12-1	10-10	17-1	14-10	13-6	12-1		
	No.3	8-1	7-0	6-4	5-8	9-10	8-6	7-9	6-11	11-5	9-10	9-0	8-1	12-9	11-0	10-1	9-0		