



CONTROLLED VIBRATION MAXIMUM SPAN TABLES

- Span is defined as the distance between **center lines of bearing** points and is based starting from a live load deflection criteria of **L/360**
- Open joist 2000 is in accordance with the NBC 1995, CAN/CSA-O86.1-M94 standards for limits state design calculations and standards for **controlled vibration spans** from CCMC. (No 12118R).
- You must also consult with the required strongback table for controlled vibration.

JOIST DEPTH : 9 3/8"		LIVE LOAD DEFLECTION ≤ L / 360					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
40	10	3 x 2	SPF #2	15' - 10"	15' - 10"	15' - 7"	14' - 4"
		4 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	15' - 11"
		4 x 2	SPF 2100 f1,8 E	19' - 10"	18' - 10"	18' - 0"	17' - 0"
40	15	3 x 2	SPF #2	15' - 10"	15' - 10"	15' - 7"	14' - 4"
		4 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	15' - 11"
		4 x 2	SPF 2100 f1,8 E	19' - 10"	18' - 10"	18' - 0"	17' - 0"
40	20	3 x 2	SPF #2	15' - 10"	15' - 10"	15' - 7"	14' - 4"
		4 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	15' - 10"
		4 x 2	SPF 2100 f1,8 E	19' - 10"	18' - 10"	18' - 0"	16' - 7"
40	25	3 x 2	SPF #2	15' - 10"	15' - 10"	15' - 7"	14' - 3"
		4 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	15' - 1"
		4 x 2	SPF 2100 f1,8 E	19' - 10"	18' - 10"	18' - 0"	15' - 4"
40	30	3 x 2	SPF #2	15' - 10"	15' - 10"	15' - 7"	13' - 7"
		4 x 2	SPF #2	16' - 10"	16' - 10"	16' - 7"	14' - 4"
		4 x 2	SPF 2100 f1,8 E	19' - 10"	18' - 10"	17' - 7"	14' - 4"
40	36	3 x 2	SPF #2	15' - 10"	15' - 10"	14' - 10"	13' - 0"
		4 x 2	SPF #2	16' - 10"	16' - 10"	15' - 8"	13' - 4"
		4 x 2	SPF 2100 f1,8 E	19' - 10"	18' - 4"	16' - 4"	13' - 4"

JOIST DEPTH : 9 3/8"		LIVE LOAD DEFLECTION ≤ L / 360					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
50	10	3 x 2	SPF #2	15' - 10"	15' - 4"	14' - 4"	13' - 3"
		4 x 2	SPF #2	16' - 10"	16' - 10"	15' - 11"	14' - 9"
		4 x 2	SPF 2100 f1,8 E	19' - 10"	18' - 0"	17' - 0"	15' - 9"
50	15	3 x 2	SPF #2	15' - 10"	15' - 4"	14' - 4"	13' - 3"
		4 x 2	SPF #2	16' - 10"	16' - 10"	15' - 11"	14' - 9"
		4 x 2	SPF 2100 f1,8 E	19' - 10"	18' - 0"	17' - 0"	15' - 4"
50	20	3 x 2	SPF #2	15' - 10"	15' - 4"	14' - 4"	13' - 3"
		4 x 2	SPF #2	16' - 10"	16' - 10"	15' - 11"	14' - 4"
		4 x 2	SPF 2100 f1,8 E	19' - 10"	18' - 0"	17' - 0"	14' - 4"
50	25	3 x 2	SPF #2	15' - 10"	15' - 4"	14' - 4"	13' - 1"
		4 x 2	SPF #2	16' - 10"	16' - 10"	15' - 10"	13' - 6"
		4 x 2	SPF 2100 f1,8 E	19' - 10"	18' - 0"	16' - 7"	13' - 6"
50	30	3 x 2	SPF #2	15' - 10"	15' - 4"	14' - 4"	12' - 7"
		4 x 2	SPF #2	16' - 10"	16' - 10"	15' - 3"	12' - 9"
		4 x 2	SPF 2100 f1,8 E	19' - 10"	17' - 11"	15' - 7"	12' - 9"
50	36	3 x 2	SPF #2	15' - 10"	15' - 4"	13' - 9"	11' - 10"
		4 x 2	SPF #2	16' - 10"	16' - 4"	14' - 7"	12' - 0"
		4 x 2	SPF 2100 f1,8 E	19' - 10"	17' - 3"	14' - 7"	12' - 0"

JOIST DEPTH : 9 3/8"		LIVE LOAD DEFLECTION ≤ L / 360					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
100	10	3 x 2	SPF #2	13' - 3"	12' - 0"	11' - 3"	9' - 8"
		4 x 2	SPF #2	14' - 9"	13' - 4"	11' - 9"	9' - 11"
		4 x 2	SPF 2100 f1,8 E	15' - 9"	13' - 9"	11' - 9"	9' - 11"
100	15	3 x 2	SPF #2	13' - 3"	12' - 0"	11' - 2"	9' - 4"
		4 x 2	SPF #2	14' - 9"	13' - 3"	11' - 4"	9' - 7"
		4 x 2	SPF 2100 f1,8 E	15' - 9"	13' - 3"	11' - 4"	9' - 7"
100	20	3 x 2	SPF #2	13' - 3"	12' - 0"	10' - 10"	8' - 11"
		4 x 2	SPF #2	14' - 9"	12' - 9"	11' - 0"	9' - 2"
		4 x 2	SPF 2100 f1,8 E	15' - 9"	12' - 9"	11' - 0"	9' - 2"
100	25	3 x 2	SPF #2	13' - 3"	12' - 0"	10' - 6"	8' - 7"
		4 x 2	SPF #2	14' - 9"	12' - 4"	10' - 8"	8' - 10"
		4 x 2	SPF 2100 f1,8 E	15' - 9"	12' - 4"	10' - 8"	8' - 10"
100	30	3 x 2	SPF #2	13' - 3"	11' - 9"	10' - 2"	8' - 4"
		4 x 2	SPF #2	14' - 9"	11' - 11"	10' - 4"	8' - 6"
		4 x 2	SPF 2100 f1,8 E	15' - 4"	11' - 11"	10' - 4"	8' - 6"
100	36	3 x 2	SPF #2	13' - 3"	11' - 4"	9' - 9"	8' - 0"
		4 x 2	SPF #2	14' - 9"	11' - 5"	10' - 0"	8' - 2"
		4 x 2	SPF 2100 f1,8 E	14' - 9"	11' - 5"	10' - 0"	8' - 2"



CONTROLLED VIBRATION MAXIMUM SPAN TABLES

- Span is defined as the distance between **center lines of bearing** points and is based starting from a live load deflection criteria of **L/480**
- Open joist 2000 is in accordance with the NBC 1995, CAN/CSA-O86.1-M94 standards for limits state design calculations and standards for **controlled vibration spans** from CCMC. (No 12118R).
- You must also consult with the required strongback table for controlled vibration.

JOIST DEPTH : 9 3/8"		LIVE LOAD DEFLECTION ≤ L / 480					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
40	10	3 x 2	SPF #2	15' - 10"	15' - 0"	14' - 1"	12' - 11"
		4 x 2	SPF #2	16' - 10"	16' - 6"	15' - 7"	14' - 5"
		4 x 2	SPF 2100 f1,8 E	19' - 6"	17' - 7"	16' - 7"	15' - 5"
40	15	3 x 2	SPF #2	15' - 10"	15' - 0"	14' - 1"	12' - 11"
		4 x 2	SPF #2	16' - 10"	16' - 6"	15' - 7"	14' - 5"
		4 x 2	SPF 2100 f1,8 E	19' - 6"	17' - 7"	16' - 7"	15' - 5"
40	20	3 x 2	SPF #2	15' - 10"	15' - 0"	14' - 1"	12' - 11"
		4 x 2	SPF #2	16' - 10"	16' - 6"	15' - 7"	14' - 5"
		4 x 2	SPF 2100 f1,8 E	19' - 6"	17' - 7"	16' - 7"	15' - 5"
40	25	3 x 2	SPF #2	15' - 10"	15' - 0"	14' - 1"	12' - 11"
		4 x 2	SPF #2	16' - 10"	16' - 6"	15' - 7"	14' - 5"
		4 x 2	SPF 2100 f1,8 E	19' - 6"	17' - 7"	16' - 7"	15' - 4"
40	30	3 x 2	SPF #2	15' - 10"	15' - 0"	14' - 1"	12' - 11"
		4 x 2	SPF #2	16' - 10"	16' - 6"	15' - 7"	14' - 4"
		4 x 2	SPF 2100 f1,8 E	19' - 6"	17' - 7"	16' - 7"	14' - 4"
40	36	3 x 2	SPF #2	15' - 10"	15' - 0"	14' - 1"	12' - 11"
		4 x 2	SPF #2	16' - 10"	16' - 6"	15' - 7"	13' - 4"
		4 x 2	SPF 2100 f1,8 E	19' - 6"	17' - 7"	16' - 4"	13' - 4"

JOIST DEPTH : 9 3/8"		LIVE LOAD DEFLECTION ≤ L / 480					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
50	10	3 x 2	SPF #2	15' - 4"	13' - 10"	12' - 11"	12' - 0"
		4 x 2	SPF #2	16' - 10"	15' - 5"	14' - 5"	13' - 4"
		4 x 2	SPF 2100 f1,8 E	18' - 0"	16' - 5"	15' - 5"	14' - 3"
50	15	3 x 2	SPF #2	15' - 4"	13' - 10"	12' - 11"	12' - 0"
		4 x 2	SPF #2	16' - 10"	15' - 5"	14' - 5"	13' - 4"
		4 x 2	SPF 2100 f1,8 E	18' - 0"	16' - 5"	15' - 5"	14' - 3"
50	20	3 x 2	SPF #2	15' - 4"	13' - 10"	12' - 11"	12' - 0"
		4 x 2	SPF #2	16' - 10"	15' - 5"	14' - 5"	13' - 4"
		4 x 2	SPF 2100 f1,8 E	18' - 0"	16' - 5"	15' - 5"	14' - 3"
50	25	3 x 2	SPF #2	15' - 4"	13' - 10"	12' - 11"	12' - 0"
		4 x 2	SPF #2	16' - 10"	15' - 5"	14' - 5"	13' - 4"
		4 x 2	SPF 2100 f1,8 E	18' - 0"	16' - 5"	15' - 5"	13' - 6"
50	30	3 x 2	SPF #2	15' - 4"	13' - 10"	12' - 11"	12' - 0"
		4 x 2	SPF #2	16' - 10"	15' - 5"	14' - 5"	12' - 9"
		4 x 2	SPF 2100 f1,8 E	18' - 0"	16' - 5"	15' - 5"	12' - 9"
50	36	3 x 2	SPF #2	15' - 4"	13' - 10"	12' - 11"	11' - 10"
		4 x 2	SPF #2	16' - 10"	15' - 5"	14' - 5"	12' - 0"
		4 x 2	SPF 2100 f1,8 E	18' - 0"	16' - 5"	14' - 7"	12' - 0"

JOIST DEPTH : 9 3/8"		LIVE LOAD DEFLECTION ≤ L / 480					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
100	10	3 x 2	SPF #2	12' - 0"	10' - 9"	10' - 0"	8' - 10"
		4 x 2	SPF #2	13' - 4"	12' - 1"	11' - 4"	9' - 11"
		4 x 2	SPF 2100 f1,8 E	14' - 3"	12' - 9"	11' - 9"	9' - 11"
100	15	3 x 2	SPF #2	12' - 0"	10' - 9"	10' - 0"	8' - 10"
		4 x 2	SPF #2	13' - 4"	12' - 1"	11' - 4"	9' - 7"
		4 x 2	SPF 2100 f1,8 E	14' - 3"	12' - 9"	11' - 4"	9' - 7"
100	20	3 x 2	SPF #2	12' - 0"	10' - 9"	10' - 0"	8' - 10"
		4 x 2	SPF #2	13' - 4"	12' - 1"	11' - 0"	9' - 2"
		4 x 2	SPF 2100 f1,8 E	14' - 3"	12' - 9"	11' - 0"	9' - 2"
100	25	3 x 2	SPF #2	12' - 0"	10' - 9"	10' - 0"	8' - 7"
		4 x 2	SPF #2	13' - 4"	12' - 1"	10' - 8"	8' - 10"
		4 x 2	SPF 2100 f1,8 E	14' - 3"	12' - 4"	10' - 8"	8' - 10"
100	30	3 x 2	SPF #2	12' - 0"	10' - 9"	10' - 0"	8' - 4"
		4 x 2	SPF #2	13' - 4"	11' - 11"	10' - 4"	8' - 6"
		4 x 2	SPF 2100 f1,8 E	14' - 3"	11' - 11"	10' - 4"	8' - 6"
100	36	3 x 2	SPF #2	12' - 0"	10' - 9"	9' - 9"	8' - 0"
		4 x 2	SPF #2	13' - 4"	11' - 5"	10' - 0"	8' - 2"
		4 x 2	SPF 2100 f1,8 E	14' - 3"	11' - 5"	10' - 0"	8' - 2"



CONTROLLED VIBRATION MAXIMUM SPAN TABLES

- Span is defined as the distance between **center lines of bearing** points and is based starting from a live load deflection criteria of **L/360**
- Open joist 2000 is in accordance with the NBC 1995, CAN/CSA-O86.1-M94 standards for limits state design calculations and standards for **controlled vibration spans** from CCMC. (No 12118R).
- You must also consult with the required strongback table for controlled vibration.

JOIST DEPTH : 11 7/8"		LIVE LOAD DEFLECTION ≤ L / 360					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
40	10	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	18' - 10"	18' - 10"	18' - 10"	18' - 6"
		4 x 2	SPF 2100 f1,8 E	22' - 10"	22' - 1"	21' - 2"	19' - 11"
40	15	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	18' - 10"	18' - 10"	18' - 10"	17' - 8"
		4 x 2	SPF 2100 f1,8 E	22' - 10"	22' - 1"	21' - 2"	19' - 11"
40	20	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 2"
		4 x 2	SPF #2	18' - 10"	18' - 10"	18' - 10"	17' - 1"
		4 x 2	SPF 2100 f1,8 E	22' - 10"	22' - 1"	21' - 2"	19' - 4"
40	25	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	15' - 5"
		4 x 2	SPF #2	18' - 10"	18' - 10"	18' - 2"	16' - 5"
		4 x 2	SPF 2100 f1,8 E	22' - 10"	22' - 1"	20' - 11"	18' - 7"
40	30	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	14' - 10"
		4 x 2	SPF #2	18' - 10"	18' - 10"	17' - 7"	15' - 10"
		4 x 2	SPF 2100 f1,8 E	22' - 10"	22' - 1"	20' - 1"	17' - 8"
40	36	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 0"	14' - 1"
		4 x 2	SPF #2	18' - 10"	18' - 4"	16' - 11"	15' - 1"
		4 x 2	SPF 2100 f1,8 E	22' - 10"	21' - 3"	19' - 2"	15' - 3"

JOIST DEPTH : 11 7/8"		LIVE LOAD DEFLECTION ≤ L / 360					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
50	10	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	15' - 8"
		4 x 2	SPF #2	18' - 10"	18' - 10"	18' - 10"	17' - 1"
		4 x 2	SPF 2100 f1,8 E	22' - 10"	21' - 7"	20' - 5"	19' - 0"
50	15	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	15' - 5"
		4 x 2	SPF #2	18' - 10"	18' - 10"	18' - 2"	16' - 5"
		4 x 2	SPF 2100 f1,8 E	22' - 10"	21' - 7"	20' - 5"	18' - 7"
50	20	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	14' - 10"
		4 x 2	SPF #2	18' - 10"	18' - 10"	17' - 7"	15' - 10"
		4 x 2	SPF 2100 f1,8 E	22' - 10"	21' - 7"	20' - 1"	17' - 8"
50	25	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 2"	14' - 2"
		4 x 2	SPF #2	18' - 10"	18' - 6"	17' - 1"	15' - 2"
		4 x 2	SPF 2100 f1,8 E	22' - 10"	21' - 5"	19' - 4"	15' - 5"
50	30	3 x 2	SPF #2	16' - 10"	16' - 10"	15' - 7"	13' - 7"
		4 x 2	SPF #2	18' - 10"	17' - 11"	16' - 7"	14' - 7"
		4 x 2	SPF 2100 f1,8 E	22' - 10"	20' - 7"	18' - 8"	14' - 10"
50	36	3 x 2	SPF #2	16' - 10"	16' - 7"	14' - 11"	12' - 11"
		4 x 2	SPF #2	18' - 10"	17' - 5"	15' - 11"	14' - 0"
		4 x 2	SPF 2100 f1,8 E	22' - 10"	19' - 9"	17' - 11"	14' - 1"

JOIST DEPTH : 11 7/8"		LIVE LOAD DEFLECTION ≤ L / 360					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
100	10	3 x 2	SPF #2	15' - 8"	14' - 2"	12' - 8"	10' - 10"
		4 x 2	SPF #2	17' - 8"	15' - 5"	13' - 9"	11' - 8"
		4 x 2	SPF 2100 f1,8 E	19' - 0"	16' - 11"	13' - 10"	11' - 8"
100	15	3 x 2	SPF #2	15' - 8"	14' - 0"	12' - 4"	10' - 5"
		4 x 2	SPF #2	17' - 4"	15' - 0"	13' - 5"	11' - 3"
		4 x 2	SPF 2100 f1,8 E	19' - 0"	15' - 2"	13' - 5"	11' - 3"
100	20	3 x 2	SPF #2	15' - 8"	13' - 7"	12' - 0"	10' - 1"
		4 x 2	SPF #2	17' - 1"	14' - 7"	13' - 0"	10' - 11"
		4 x 2	SPF 2100 f1,8 E	19' - 0"	14' - 10"	13' - 0"	10' - 11"
100	25	3 x 2	SPF #2	15' - 8"	13' - 2"	11' - 8"	9' - 9"
		4 x 2	SPF #2	16' - 9"	14' - 3"	12' - 7"	10' - 7"
		4 x 2	SPF 2100 f1,8 E	18' - 11"	14' - 5"	12' - 7"	10' - 7"
100	30	3 x 2	SPF #2	15' - 5"	12' - 10"	11' - 4"	9' - 5"
		4 x 2	SPF #2	16' - 5"	13' - 11"	12' - 2"	10' - 4"
		4 x 2	SPF 2100 f1,8 E	18' - 7"	14' - 0"	12' - 2"	10' - 4"
100	36	3 x 2	SPF #2	15' - 1"	12' - 5"	10' - 11"	9' - 0"
		4 x 2	SPF #2	16' - 1"	13' - 6"	11' - 9"	10' - 0"
		4 x 2	SPF 2100 f1,8 E	18' - 1"	13' - 6"	11' - 9"	10' - 0"



CONTROLLED VIBRATION MAXIMUM SPAN TABLES

- Span is defined as the distance between **center lines of bearing** points and is based starting from a live load deflection criteria of **L/480**
- Open joist 2000 is in accordance with the NBC 1995, CAN/CSA-O86.1-M94 standards for limits state design calculations and standards for **controlled vibration spans** from CCMC. (No 12118R).
- You must also consult with the required strongback table for controlled vibration.

JOIST DEPTH : 11 7/8"		LIVE LOAD DEFLECTION ≤ L / 480					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
40	10	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 9"	15' - 3"
		4 x 2	SPF #2	18' - 10"	18' - 10"	18' - 10"	17' - 5"
		4 x 2	SPF 2100 f1,8 E	22' - 10"	21' - 2"	20' - 1"	18' - 6"
40	15	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 9"	15' - 3"
		4 x 2	SPF #2	18' - 10"	18' - 10"	18' - 10"	17' - 5"
		4 x 2	SPF 2100 f1,8 E	22' - 10"	21' - 2"	20' - 1"	18' - 6"
40	20	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 9"	15' - 3"
		4 x 2	SPF #2	18' - 10"	18' - 10"	18' - 10"	17' - 1"
		4 x 2	SPF 2100 f1,8 E	22' - 10"	21' - 2"	20' - 1"	18' - 6"
40	25	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 9"	15' - 3"
		4 x 2	SPF #2	18' - 10"	18' - 10"	18' - 2"	16' - 5"
		4 x 2	SPF 2100 f1,8 E	22' - 10"	21' - 2"	20' - 1"	18' - 6"
40	30	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 9"	14' - 10"
		4 x 2	SPF #2	18' - 10"	18' - 10"	17' - 7"	15' - 10"
		4 x 2	SPF 2100 f1,8 E	22' - 10"	21' - 2"	20' - 1"	17' - 8"
40	36	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 0"	14' - 1"
		4 x 2	SPF #2	18' - 10"	18' - 4"	16' - 11"	15' - 1"
		4 x 2	SPF 2100 f1,8 E	22' - 10"	21' - 2"	19' - 2"	15' - 3"

JOIST DEPTH : 11 7/8"		LIVE LOAD DEFLECTION ≤ L / 480					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
50	10	3 x 2	SPF #2	16' - 10"	16' - 6"	15' - 3"	14' - 2"
		4 x 2	SPF #2	18' - 10"	18' - 7"	17' - 5"	16' - 1"
		4 x 2	SPF 2100 f1,8 E	21' - 7"	19' - 10"	18' - 6"	17' - 2"
50	15	3 x 2	SPF #2	16' - 10"	16' - 6"	15' - 3"	14' - 2"
		4 x 2	SPF #2	18' - 10"	18' - 7"	17' - 5"	16' - 1"
		4 x 2	SPF 2100 f1,8 E	21' - 7"	19' - 10"	18' - 6"	17' - 2"
50	20	3 x 2	SPF #2	16' - 10"	16' - 6"	15' - 3"	14' - 2"
		4 x 2	SPF #2	18' - 10"	18' - 7"	17' - 5"	15' - 10"
		4 x 2	SPF 2100 f1,8 E	21' - 7"	19' - 10"	18' - 6"	17' - 2"
50	25	3 x 2	SPF #2	16' - 10"	16' - 6"	15' - 3"	14' - 2"
		4 x 2	SPF #2	18' - 10"	18' - 6"	17' - 1"	15' - 2"
		4 x 2	SPF 2100 f1,8 E	21' - 7"	19' - 10"	18' - 6"	15' - 5"
50	30	3 x 2	SPF #2	16' - 10"	16' - 6"	15' - 3"	13' - 7"
		4 x 2	SPF #2	18' - 10"	17' - 11"	16' - 7"	14' - 7"
		4 x 2	SPF 2100 f1,8 E	21' - 7"	19' - 10"	18' - 6"	14' - 10"
50	36	3 x 2	SPF #2	16' - 10"	16' - 6"	14' - 11"	12' - 11"
		4 x 2	SPF #2	18' - 10"	17' - 5"	15' - 11"	14' - 0"
		4 x 2	SPF 2100 f1,8 E	21' - 7"	19' - 9"	17' - 11"	14' - 1"

JOIST DEPTH : 11 7/8"		LIVE LOAD DEFLECTION ≤ L / 480					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
100	10	3 x 2	SPF #2	14' - 2"	12' - 10"	12' - 0"	10' - 10"
		4 x 2	SPF #2	16' - 1"	14' - 7"	13' - 7"	11' - 8"
		4 x 2	SPF 2100 f1,8 E	17' - 2"	15' - 5"	13' - 10"	11' - 8"
100	15	3 x 2	SPF #2	14' - 2"	12' - 10"	12' - 0"	10' - 5"
		4 x 2	SPF #2	16' - 1"	14' - 7"	13' - 5"	11' - 3"
		4 x 2	SPF 2100 f1,8 E	17' - 2"	15' - 2"	13' - 5"	11' - 3"
100	20	3 x 2	SPF #2	14' - 2"	12' - 10"	12' - 0"	10' - 1"
		4 x 2	SPF #2	16' - 1"	14' - 7"	13' - 0"	10' - 11"
		4 x 2	SPF 2100 f1,8 E	17' - 2"	14' - 10"	13' - 0"	10' - 11"
100	25	3 x 2	SPF #2	14' - 2"	12' - 10"	11' - 8"	9' - 9"
		4 x 2	SPF #2	16' - 1"	14' - 3"	12' - 7"	10' - 7"
		4 x 2	SPF 2100 f1,8 E	17' - 2"	14' - 5"	12' - 7"	10' - 7"
100	30	3 x 2	SPF #2	14' - 2"	12' - 10"	11' - 4"	9' - 5"
		4 x 2	SPF #2	16' - 1"	13' - 11"	12' - 2"	10' - 4"
		4 x 2	SPF 2100 f1,8 E	17' - 2"	14' - 0"	12' - 2"	10' - 4"
100	36	3 x 2	SPF #2	14' - 2"	12' - 5"	10' - 11"	9' - 0"
		4 x 2	SPF #2	16' - 1"	13' - 6"	11' - 9"	10' - 0"
		4 x 2	SPF 2100 f1,8 E	17' - 2"	13' - 6"	11' - 9"	10' - 0"



CONTROLLED VIBRATION MAXIMUM SPAN TABLES

- Span is defined as the distance between **center lines of bearing** points and is based starting from a live load deflection criteria of **L/360**
- Open joist 2000 is in accordance with the NBC 1995, CAN/CSA-O86.1-M94 standards for limits state design calculations and standards for **controlled vibration spans** from CCMC. (No 12118R).
- You must also consult with the required strongback table for controlled vibration.

JOIST DEPTH : 14"		LIVE LOAD DEFLECTION ≤ L / 360					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
40	10	3 x 2	SPF #2	17' - 10"	17' - 10"	17' - 10"	17' - 10"
		4 x 2	SPF #2	20' - 10"	20' - 10"	20' - 10"	20' - 5"
		4 x 2	SPF 2100 f1,8 E	24' - 10"	24' - 7"	23' - 6"	21' - 11"
40	15	3 x 2	SPF #2	17' - 10"	17' - 10"	17' - 10"	17' - 10"
		4 x 2	SPF #2	20' - 10"	20' - 10"	20' - 10"	19' - 2"
		4 x 2	SPF 2100 f1,8 E	24' - 10"	24' - 7"	23' - 6"	21' - 5"
40	20	3 x 2	SPF #2	17' - 10"	17' - 10"	17' - 10"	17' - 2"
		4 x 2	SPF #2	20' - 10"	20' - 10"	20' - 10"	18' - 3"
		4 x 2	SPF 2100 f1,8 E	24' - 10"	24' - 7"	23' - 6"	20' - 2"
40	25	3 x 2	SPF #2	17' - 10"	17' - 10"	17' - 10"	16' - 5"
		4 x 2	SPF #2	20' - 10"	20' - 10"	19' - 10"	17' - 5"
		4 x 2	SPF 2100 f1,8 E	24' - 10"	24' - 7"	22' - 3"	18' - 11"
40	30	3 x 2	SPF #2	17' - 10"	17' - 10"	17' - 10"	15' - 10"
		4 x 2	SPF #2	20' - 10"	20' - 10"	19' - 0"	16' - 10"
		4 x 2	SPF 2100 f1,8 E	24' - 10"	24' - 1"	21' - 2"	17' - 11"
40	36	3 x 2	SPF #2	17' - 10"	17' - 10"	17' - 0"	15' - 2"
		4 x 2	SPF #2	20' - 10"	20' - 3"	18' - 1"	15' - 5"
		4 x 2	SPF 2100 f1,8 E	24' - 10"	22' - 8"	20' - 0"	15' - 5"

JOIST DEPTH : 14"		LIVE LOAD DEFLECTION ≤ L / 360					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
50	10	3 x 2	SPF #2	17' - 10"	17' - 10"	17' - 10"	16' - 11"
		4 x 2	SPF #2	20' - 10"	20' - 10"	20' - 7"	18' - 3"
		4 x 2	SPF 2100 f1,8 E	24' - 10"	23' - 3"	21' - 11"	20' - 2"
50	15	3 x 2	SPF #2	17' - 10"	17' - 10"	17' - 10"	16' - 5"
		4 x 2	SPF #2	20' - 10"	20' - 10"	19' - 10"	17' - 5"
		4 x 2	SPF 2100 f1,8 E	24' - 10"	23' - 3"	21' - 11"	18' - 11"
50	20	3 x 2	SPF #2	17' - 10"	17' - 10"	17' - 10"	15' - 10"
		4 x 2	SPF #2	20' - 10"	20' - 10"	19' - 0"	16' - 10"
		4 x 2	SPF 2100 f1,8 E	24' - 10"	23' - 3"	21' - 2"	17' - 11"
50	25	3 x 2	SPF #2	17' - 10"	17' - 10"	17' - 2"	15' - 3"
		4 x 2	SPF #2	20' - 10"	20' - 5"	18' - 3"	15' - 7"
		4 x 2	SPF 2100 f1,8 E	24' - 10"	22' - 11"	20' - 2"	15' - 7"
50	30	3 x 2	SPF #2	17' - 10"	17' - 10"	16' - 7"	14' - 9"
		4 x 2	SPF #2	20' - 10"	19' - 6"	17' - 7"	15' - 0"
		4 x 2	SPF 2100 f1,8 E	24' - 10"	21' - 11"	19' - 2"	15' - 0"
50	36	3 x 2	SPF #2	17' - 10"	17' - 7"	15' - 11"	14' - 2"
		4 x 2	SPF #2	20' - 10"	18' - 9"	16' - 11"	14' - 4"
		4 x 2	SPF 2100 f1,8 E	24' - 10"	20' - 10"	18' - 1"	14' - 4"

JOIST DEPTH : 14"		LIVE LOAD DEFLECTION ≤ L / 360					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
100	10	3 x 2	SPF #2	16' - 11"	15' - 4"	14' - 0"	11' - 10"
		4 x 2	SPF #2	19' - 0"	16' - 5"	14' - 1"	11' - 10"
		4 x 2	SPF 2100 f1,8 E	20' - 4"	17' - 3"	14' - 1"	11' - 10"
100	15	3 x 2	SPF #2	16' - 11"	15' - 1"	13' - 7"	11' - 5"
		4 x 2	SPF #2	18' - 9"	15' - 4"	13' - 7"	11' - 5"
		4 x 2	SPF 2100 f1,8 E	20' - 4"	15' - 4"	13' - 7"	11' - 5"
100	20	3 x 2	SPF #2	16' - 11"	14' - 9"	13' - 1"	11' - 1"
		4 x 2	SPF #2	18' - 3"	15' - 0"	13' - 1"	11' - 1"
		4 x 2	SPF 2100 f1,8 E	20' - 2"	15' - 0"	13' - 1"	11' - 1"
100	25	3 x 2	SPF #2	16' - 9"	14' - 5"	12' - 8"	10' - 9"
		4 x 2	SPF #2	17' - 10"	14' - 7"	12' - 8"	10' - 9"
		4 x 2	SPF 2100 f1,8 E	19' - 7"	14' - 7"	12' - 8"	10' - 9"
100	30	3 x 2	SPF #2	16' - 5"	14' - 1"	12' - 4"	10' - 5"
		4 x 2	SPF #2	17' - 5"	14' - 3"	12' - 4"	10' - 5"
		4 x 2	SPF 2100 f1,8 E	18' - 11"	14' - 3"	12' - 4"	10' - 5"
100	36	3 x 2	SPF #2	16' - 1"	13' - 8"	11' - 11"	10' - 1"
		4 x 2	SPF #2	17' - 1"	13' - 9"	11' - 11"	10' - 2"
		4 x 2	SPF 2100 f1,8 E	18' - 3"	13' - 9"	11' - 11"	10' - 2"



CONTROLLED VIBRATION MAXIMUM SPAN TABLES

- Span is defined as the distance between **center lines of bearing** points and is based starting from a live load deflection criteria of **L/480**
- Open joist 2000 is in accordance with the NBC 1995, CAN/CSA-O86.1-M94 standards for limits state design calculations and standards for **controlled vibration spans** from CCMC. (No 12118R).
- You must also consult with the required strongback table for controlled vibration.

JOIST DEPTH : 14"		LIVE LOAD DEFLECTION ≤ L / 480					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
40	10	3 x 2	SPF #2	17' - 10"	17' - 10"	17' - 10"	16' - 6"
		4 x 2	SPF #2	20' - 10"	20' - 10"	20' - 1"	18' - 7"
		4 x 2	SPF 2100 f1,8 E	24' - 10"	22' - 10"	21' - 4"	19' - 11"
40	15	3 x 2	SPF #2	17' - 10"	17' - 10"	17' - 10"	16' - 6"
		4 x 2	SPF #2	20' - 10"	20' - 10"	20' - 1"	18' - 7"
		4 x 2	SPF 2100 f1,8 E	24' - 10"	22' - 10"	21' - 4"	19' - 11"
40	20	3 x 2	SPF #2	17' - 10"	17' - 10"	17' - 10"	16' - 6"
		4 x 2	SPF #2	20' - 10"	20' - 10"	20' - 1"	18' - 3"
		4 x 2	SPF 2100 f1,8 E	24' - 10"	22' - 10"	21' - 4"	19' - 11"
40	25	3 x 2	SPF #2	17' - 10"	17' - 10"	17' - 10"	16' - 5"
		4 x 2	SPF #2	20' - 10"	20' - 10"	19' - 10"	17' - 5"
		4 x 2	SPF 2100 f1,8 E	24' - 10"	22' - 10"	21' - 4"	18' - 11"
40	30	3 x 2	SPF #2	17' - 10"	17' - 10"	17' - 10"	15' - 10"
		4 x 2	SPF #2	20' - 10"	20' - 10"	19' - 0"	16' - 10"
		4 x 2	SPF 2100 f1,8 E	24' - 10"	22' - 10"	21' - 2"	17' - 11"
40	36	3 x 2	SPF #2	17' - 10"	17' - 10"	17' - 0"	15' - 2"
		4 x 2	SPF #2	20' - 10"	20' - 3"	18' - 1"	15' - 5"
		4 x 2	SPF 2100 f1,8 E	24' - 10"	22' - 8"	20' - 0"	15' - 5"

JOIST DEPTH : 14"		LIVE LOAD DEFLECTION ≤ L / 480					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
50	10	3 x 2	SPF #2	17' - 10"	17' - 8"	16' - 6"	15' - 4"
		4 x 2	SPF #2	20' - 10"	19' - 9"	18' - 7"	17' - 2"
		4 x 2	SPF 2100 f1,8 E	23' - 3"	21' - 1"	19' - 11"	18' - 5"
50	15	3 x 2	SPF #2	17' - 10"	17' - 8"	16' - 6"	15' - 4"
		4 x 2	SPF #2	20' - 10"	19' - 9"	18' - 7"	17' - 2"
		4 x 2	SPF 2100 f1,8 E	23' - 3"	21' - 1"	19' - 11"	18' - 5"
50	20	3 x 2	SPF #2	17' - 10"	17' - 8"	16' - 6"	15' - 4"
		4 x 2	SPF #2	20' - 10"	19' - 9"	18' - 7"	16' - 10"
		4 x 2	SPF 2100 f1,8 E	23' - 3"	21' - 1"	19' - 11"	17' - 11"
50	25	3 x 2	SPF #2	17' - 10"	17' - 8"	16' - 6"	15' - 3"
		4 x 2	SPF #2	20' - 10"	19' - 9"	18' - 3"	15' - 7"
		4 x 2	SPF 2100 f1,8 E	23' - 3"	21' - 1"	19' - 11"	15' - 7"
50	30	3 x 2	SPF #2	17' - 10"	17' - 8"	16' - 6"	14' - 9"
		4 x 2	SPF #2	20' - 10"	19' - 6"	17' - 7"	15' - 0"
		4 x 2	SPF 2100 f1,8 E	23' - 3"	21' - 1"	19' - 2"	15' - 0"
50	36	3 x 2	SPF #2	17' - 10"	17' - 7"	15' - 11"	14' - 2"
		4 x 2	SPF #2	20' - 10"	18' - 9"	16' - 11"	14' - 4"
		4 x 2	SPF 2100 f1,8 E	23' - 3"	20' - 10"	18' - 1"	14' - 4"

JOIST DEPTH : 14"		LIVE LOAD DEFLECTION ≤ L / 480					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
100	10	3 x 2	SPF #2	15' - 4"	13' - 10"	12' - 11"	11' - 10"
		4 x 2	SPF #2	17' - 2"	15' - 6"	14' - 1"	11' - 10"
		4 x 2	SPF 2100 f1,8 E	18' - 5"	16' - 7"	14' - 1"	11' - 10"
100	15	3 x 2	SPF #2	15' - 4"	13' - 10"	12' - 11"	11' - 5"
		4 x 2	SPF #2	17' - 2"	15' - 4"	13' - 7"	11' - 5"
		4 x 2	SPF 2100 f1,8 E	18' - 5"	15' - 4"	13' - 7"	11' - 5"
100	20	3 x 2	SPF #2	15' - 4"	13' - 10"	12' - 11"	11' - 1"
		4 x 2	SPF #2	17' - 2"	15' - 0"	13' - 1"	11' - 1"
		4 x 2	SPF 2100 f1,8 E	18' - 5"	15' - 0"	13' - 1"	11' - 1"
100	25	3 x 2	SPF #2	15' - 4"	13' - 10"	12' - 8"	10' - 9"
		4 x 2	SPF #2	17' - 2"	14' - 7"	12' - 8"	10' - 9"
		4 x 2	SPF 2100 f1,8 E	18' - 5"	14' - 7"	12' - 8"	10' - 9"
100	30	3 x 2	SPF #2	15' - 4"	13' - 10"	12' - 4"	10' - 5"
		4 x 2	SPF #2	17' - 2"	14' - 3"	12' - 4"	10' - 5"
		4 x 2	SPF 2100 f1,8 E	18' - 5"	14' - 3"	12' - 4"	10' - 5"
100	36	3 x 2	SPF #2	15' - 4"	13' - 8"	11' - 11"	10' - 1"
		4 x 2	SPF #2	17' - 1"	13' - 9"	11' - 11"	10' - 2"
		4 x 2	SPF 2100 f1,8 E	18' - 3"	13' - 9"	11' - 11"	10' - 2"



CONTROLLED VIBRATION MAXIMUM SPAN TABLES

- Span is defined as the distance between **center lines of bearing** points and is based starting from a live load deflection criteria of **L/360**
- Open joist 2000 is in accordance with the NBC 1995, CAN/CSA-O86.1-M94 standards for limits state design calculations and standards for **controlled vibration spans** from CCMC. (No 12118R).
- You must also consult with the required strongback table for controlled vibration.

JOIST DEPTH : 16"		LIVE LOAD DEFLECTION ≤ L / 360					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
40	10	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	21' - 10"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 10"	25' - 10"	25' - 10"
		4 x 2	SPF 2400 f2,0 E	29' - 10"	29' - 9"	28' - 6"	26' - 11"
40	15	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	21' - 10"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 10"	25' - 10"	25' - 10"
		4 x 2	SPF 2400 f2,0 E	29' - 10"	29' - 9"	28' - 6"	26' - 11"
40	20	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	21' - 10"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 10"	25' - 10"	24' - 11"
		4 x 2	SPF 2400 f2,0 E	29' - 10"	29' - 9"	28' - 6"	24' - 11"
40	25	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	21' - 10"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 10"	25' - 10"	23' - 11"
		4 x 2	SPF 2400 f2,0 E	29' - 10"	29' - 9"	28' - 6"	23' - 11"
40	30	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	21' - 10"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 10"	25' - 8"	22' - 10"
		4 x 2	SPF 2400 f2,0 E	29' - 10"	29' - 9"	26' - 11"	22' - 10"
40	36	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	21' - 6"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 10"	24' - 9"	21' - 6"
		4 x 2	SPF 2400 f2,0 E	29' - 10"	28' - 10"	24' - 9"	21' - 6"

JOIST DEPTH : 16"		LIVE LOAD DEFLECTION ≤ L / 360					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
50	10	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	21' - 10"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 10"	25' - 10"	24' - 0"
		4 x 2	SPF 2400 f2,0 E	29' - 10"	28' - 4"	26' - 11"	24' - 8"
50	15	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	21' - 10"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 10"	25' - 10"	23' - 11"
		4 x 2	SPF 2400 f2,0 E	29' - 10"	28' - 4"	26' - 11"	23' - 11"
50	20	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	21' - 10"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 10"	25' - 8"	22' - 10"
		4 x 2	SPF 2400 f2,0 E	29' - 10"	28' - 3"	26' - 8"	22' - 10"
50	25	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	21' - 7"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 10"	24' - 11"	21' - 9"
		4 x 2	SPF 2400 f2,0 E	29' - 10"	28' - 3"	24' - 11"	21' - 9"
50	30	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	15' - 7"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	20' - 10"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 10"	24' - 2"	20' - 11"
		4 x 2	SPF 2400 f2,0 E	29' - 10"	27' - 10"	24' - 2"	20' - 11"
50	36	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	14' - 4"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	19' - 2"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 6"	23' - 1"	19' - 2"
		4 x 2	SPF 2400 f2,0 E	29' - 10"	25' - 6"	23' - 1"	19' - 2"



CONTROLLED VIBRATION MAXIMUM SPAN TABLES

- Span is defined as the distance between **center lines of bearing** points and is based starting from a live load deflection criteria of **L/360**
- Open joist 2000 is in accordance with the NBC 1995, CAN/CSA-O86.1-M94 standards for limits state design calculations and standards for **controlled vibration spans** from CCMC. (No 12118R).
- You must also consult with the required strongback table for controlled vibration.

JOIST DEPTH : 16"		LIVE LOAD DEFLECTION ≤ L / 360					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
100	10	3 x 2	SPF #2	16' - 10"	16' - 10"	14' - 1"	11' - 10"
		4 x 2	SPF #2	21' - 10"	21' - 9"	18' - 6"	11' - 10"
		4 x 2	SPF 2100 f1,8 E	24' - 0"	21' - 11"	18' - 6"	11' - 10"
		4 x 2	SPF 2400 f2,0 E	24' - 8"	22' - 1"	18' - 6"	11' - 10"
100	15	3 x 2	SPF #2	16' - 10"	16' - 9"	13' - 7"	11' - 5"
		4 x 2	SPF #2	21' - 10"	21' - 5"	17' - 6"	11' - 5"
		4 x 2	SPF 2100 f1,8 E	24' - 0"	21' - 5"	17' - 7"	11' - 5"
		4 x 2	SPF 2400 f2,0 E	24' - 8"	21' - 5"	17' - 7"	11' - 5"
100	20	3 x 2	SPF #2	16' - 10"	15' - 7"	13' - 1"	11' - 1"
		4 x 2	SPF #2	21' - 10"	20' - 10"	13' - 3"	11' - 1"
		4 x 2	SPF 2100 f1,8 E	23' - 9"	20' - 11"	13' - 4"	11' - 1"
		4 x 2	SPF 2400 f2,0 E	24' - 8"	20' - 11"	13' - 4"	11' - 1"
100	25	3 x 2	SPF #2	16' - 10"	14' - 9"	12' - 8"	10' - 9"
		4 x 2	SPF #2	21' - 10"	20' - 1"	12' - 9"	10' - 9"
		4 x 2	SPF 2100 f1,8 E	23' - 6"	20' - 1"	12' - 9"	10' - 9"
		4 x 2	SPF 2400 f2,0 E	24' - 5"	20' - 1"	12' - 9"	10' - 9"
100	30	3 x 2	SPF #2	16' - 10"	14' - 3"	12' - 4"	10' - 5"
		4 x 2	SPF #2	21' - 10"	19' - 0"	12' - 4"	10' - 5"
		4 x 2	SPF 2100 f1,8 E	23' - 6"	19' - 0"	12' - 4"	10' - 5"
		4 x 2	SPF 2400 f2,0 E	23' - 11"	19' - 0"	12' - 4"	10' - 5"
100	36	3 x 2	SPF #2	16' - 10"	13' - 9"	11' - 11"	10' - 2"
		4 x 2	SPF #2	21' - 10"	17' - 10"	11' - 11"	10' - 2"
		4 x 2	SPF 2100 f1,8 E	23' - 4"	17' - 11"	11' - 11"	10' - 2"
		4 x 2	SPF 2400 f2,0 E	23' - 4"	17' - 11"	11' - 11"	10' - 2"



CONTROLLED VIBRATION MAXIMUM SPAN TABLES

- Span is defined as the distance between **center lines of bearing** points and is based starting from a live load deflection criteria of **L/480**
- Open joist 2000 is in accordance with the NBC 1995, CAN/CSA-O86.1-M94 standards for limits state design calculations and standards for **controlled vibration spans** from CCMC. (No 12118R).
- You must also consult with the required strongback table for controlled vibration.

JOIST DEPTH : 16"		LIVE LOAD DEFLECTION ≤ L / 480					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
40	10	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	21' - 10"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 10"	25' - 7"	22' - 6"
		4 x 2	SPF 2400 f2,0 E	29' - 9"	27' - 8"	26' - 1"	24' - 2"
40	15	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	21' - 10"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 10"	25' - 7"	22' - 6"
		4 x 2	SPF 2400 f2,0 E	29' - 9"	27' - 8"	26' - 1"	24' - 2"
40	20	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	21' - 10"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 10"	25' - 7"	22' - 6"
		4 x 2	SPF 2400 f2,0 E	29' - 9"	27' - 8"	26' - 1"	24' - 2"
40	25	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	21' - 10"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 10"	25' - 7"	22' - 6"
		4 x 2	SPF 2400 f2,0 E	29' - 9"	27' - 8"	26' - 1"	23' - 11"
40	30	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	21' - 10"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 10"	25' - 7"	22' - 6"
		4 x 2	SPF 2400 f2,0 E	29' - 9"	27' - 8"	26' - 1"	22' - 10"
40	36	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	21' - 6"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 10"	24' - 9"	21' - 6"
		4 x 2	SPF 2400 f2,0 E	29' - 9"	27' - 8"	24' - 9"	21' - 6"

JOIST DEPTH : 16"		LIVE LOAD DEFLECTION ≤ L / 480					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
50	10	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	21' - 1"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 1"	22' - 6"	21' - 6"
		4 x 2	SPF 2400 f2,0 E	28' - 3"	25' - 9"	24' - 2"	22' - 4"
50	15	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	21' - 1"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 1"	22' - 6"	21' - 6"
		4 x 2	SPF 2400 f2,0 E	28' - 3"	25' - 9"	24' - 2"	22' - 4"
50	20	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	21' - 1"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 1"	22' - 6"	21' - 6"
		4 x 2	SPF 2400 f2,0 E	28' - 3"	25' - 9"	24' - 2"	22' - 4"
50	25	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	16' - 10"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	21' - 1"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 1"	22' - 6"	21' - 6"
		4 x 2	SPF 2400 f2,0 E	28' - 3"	25' - 9"	24' - 2"	21' - 9"
50	30	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	15' - 7"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	20' - 10"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 1"	22' - 6"	20' - 11"
		4 x 2	SPF 2400 f2,0 E	28' - 3"	25' - 9"	24' - 2"	20' - 11"
50	36	3 x 2	SPF #2	16' - 10"	16' - 10"	16' - 10"	14' - 4"
		4 x 2	SPF #2	21' - 10"	21' - 10"	21' - 10"	19' - 2"
		4 x 2	SPF 2100 f1,8 E	25' - 10"	25' - 1"	22' - 6"	19' - 2"
		4 x 2	SPF 2400 f2,0 E	28' - 3"	25' - 6"	23' - 1"	19' - 2"



CONTROLLED VIBRATION MAXIMUM SPAN TABLES

- Span is defined as the distance between **center lines of bearing** points and is based starting from a live load deflection criteria of **L/480**
- Open joist 2000 is in accordance with the NBC 1995, CAN/CSA-O86.1-M94 standards for limits state design calculations and standards for **controlled vibration spans** from CCMC. (No 12118R).
- You must also consult with the required strongback table for controlled vibration.

JOIST DEPTH : 16"		LIVE LOAD DEFLECTION ≤ L / 480					
LIVE LOAD (psf)	DEAD LOAD (psf)	CHORDS		SPACING O.C.			
		DIM. (po.)	SPECIE / GRADE	12"	16"	19.2"	24"
100	10	3 x 2	SPF #2	16' - 10"	16' - 10"	14' - 1"	11' - 10"
		4 x 2	SPF #2	21' - 1"	19' - 3"	17' - 11"	11' - 10"
		4 x 2	SPF 2100 f1,8 E	21' - 6"	19' - 6"	18' - 5"	11' - 10"
		4 x 2	SPF 2400 f2,0 E	22' - 4"	20' - 3"	18' - 6"	11' - 10"
100	15	3 x 2	SPF #2	16' - 10"	16' - 9"	13' - 7"	11' - 5"
		4 x 2	SPF #2	21' - 1"	19' - 3"	17' - 6"	11' - 5"
		4 x 2	SPF 2100 f1,8 E	21' - 6"	19' - 6"	17' - 7"	11' - 5"
		4 x 2	SPF 2400 f2,0 E	22' - 4"	20' - 3"	17' - 7"	11' - 5"
100	20	3 x 2	SPF #2	16' - 10"	15' - 7"	13' - 1"	11' - 1"
		4 x 2	SPF #2	21' - 1"	19' - 3"	13' - 3"	11' - 1"
		4 x 2	SPF 2100 f1,8 E	21' - 6"	19' - 6"	13' - 4"	11' - 1"
		4 x 2	SPF 2400 f2,0 E	22' - 4"	20' - 3"	13' - 4"	11' - 1"
100	25	3 x 2	SPF #2	16' - 10"	14' - 9"	12' - 8"	10' - 9"
		4 x 2	SPF #2	21' - 1"	19' - 1"	12' - 9"	10' - 9"
		4 x 2	SPF 2100 f1,8 E	21' - 6"	19' - 6"	12' - 9"	10' - 9"
		4 x 2	SPF 2400 f2,0 E	22' - 4"	20' - 1"	12' - 9"	10' - 9"
100	30	3 x 2	SPF #2	16' - 10"	14' - 3"	12' - 4"	10' - 5"
		4 x 2	SPF #2	21' - 1"	18' - 7"	12' - 4"	10' - 5"
		4 x 2	SPF 2100 f1,8 E	21' - 6"	19' - 0"	12' - 4"	10' - 5"
		4 x 2	SPF 2400 f2,0 E	22' - 4"	19' - 0"	12' - 4"	10' - 5"
100	36	3 x 2	SPF #2	16' - 10"	13' - 9"	11' - 11"	10' - 2"
		4 x 2	SPF #2	21' - 1"	17' - 10"	11' - 11"	10' - 2"
		4 x 2	SPF 2100 f1,8 E	21' - 6"	17' - 11"	11' - 11"	10' - 2"
		4 x 2	SPF 2400 f2,0 E	22' - 4"	17' - 11"	11' - 11"	10' - 2"