

PWT Treated LVL
Allowable Beam Spans

Dry Use - 100% Load Duration - 40 psf LL, 10 psf DL, L/360

Size [in]	Deck Joist Span with 2' Cantilever [ft]						
	6	8	10	12	14	16	18
	Deck Joist Simple Span [ft]						
	8	10	12	14	16	18	20
1.5 x 7.25	9'- 3"	8'- 7"	8'- 1"	7'- 8"	7'- 4"	7'- 0"	6'- 9"
1.5 x 9.25	11'- 10"	11'- 0"	10'- 4"	9'- 10"	9'- 5"	8'- 4"	7'- 6"
1.5 x 11.25	14'- 6"	13'- 5"	12'- 7"	10'- 9"	9'- 5"	8'- 4"	7'- 6"
3 x 7.25	11'- 7"	10'- 9"	10'- 1"	9'- 7"	9'- 2"	8'- 9"	8'- 6"
3 x 9.25	14'- 10"	13'- 9"	12'- 11"	12'- 3"	11'- 9"	11'- 3"	10'- 10"
3 x 11.25	18'- 2"	16'- 10"	15'- 10"	15'- 0"	14'- 4"	13'- 9"	13'- 3"
4.5 x 7.25	13'- 2"	12'- 2"	11'- 6"	10'- 10"	10'- 5"	10'- 0"	9'- 7"
4.5 x 9.25	16'- 11"	15'- 8"	14'- 9"	14'- 0"	13'- 4"	12'- 10"	12'- 4"
4.5 x 11.25	20'- 8"	19'- 2"	18'- 0"	17'- 1"	16'- 4"	15'- 8"	15'- 2"

Notes:

- 1 Span calculations assume 40 psf live load, 10 psf dead load, L/360 live load deflection limit for simple spans.
- 2 Beam depth shall be greater than or equal to depth of joists with a flush beam condition.
- 3 Bearing length must be at least 1.75".
- 4 Beams require support across their full width.
- 5 Conditions outside the scope of this guide may be designed using CSD Software.
- 6 Shaded cells controlled by bearing of 1.5" wide joist on 1.5" beam.

Dry Use - 100% Load Duration - 40 psf LL, 10 psf DL, L/480

Size [in]	Deck Joist Span with 2' Cantilever [ft]						
	6	8	10	12	14	16	18
	Deck Joist Simple Span [ft]						
	8	10	12	14	16	18	20
1.5 x 7.25	8'- 5"	7'- 9"	7'- 4"	6'- 11"	6'- 8"	6'- 4"	6'- 2"
1.5 x 9.25	10'- 9"	10'- 0"	9'- 5"	8'- 11"	8'- 6"	8'- 2"	7'- 6"
1.5 x 11.25	13'- 2"	12'- 2"	11'- 5"	10'- 9"	9'- 5"	8'- 4"	7'- 6"
3 x 7.25	10'- 6"	9'- 9"	9'- 2"	8'- 8"	8'- 3"	7'- 11"	7'- 8"
3 x 9.25	13'- 6"	12'- 6"	11'- 9"	11'- 2"	10'- 8"	10'- 3"	9'- 10"
3 x 11.25	16'- 5"	15'- 3"	14'- 4"	13'- 7"	13'- 0"	12'- 6"	12'- 1"
4.5 x 7.25	11'- 11"	11'- 1"	10'- 5"	9'- 10"	9'- 5"	9'- 0"	8'- 8"
4.5 x 9.25	15'- 4"	14'- 3"	13'- 4"	12'- 8"	12'- 1"	11'- 7"	11'- 2"
4.5 x 11.25	18'- 9"	17'- 5"	16'- 4"	15'- 6"	14'- 10"	14'- 3"	13'- 8"

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Allowable Beam Spans

Dry Use - 100% Load Duration - 60 psf LL, 10 psf DL, L/360

Size [in]	Deck Joist Span with 2' Cantilever [ft]						
	6	8	10	12	14	16	18
	Deck Joist Simple Span [ft]						
	8	10	12	14	16	18	20
1.5 x 7.25	8'- 1"	7'- 6"	7'- 0"	6'- 8"	6'- 4"	5'- 11"	5'- 4"
1.5 x 9.25	10'- 4"	9'- 7"	8'- 11"	7'- 8"	6'- 8"	5'- 11"	5'- 4"
1.5 x 11.25	12'- 7"	10'- 9"	8'- 11"	7'- 8"	6'- 8"	5'- 11"	5'- 4"
3 x 7.25	10'- 1"	9'- 4"	8'- 9"	8'- 4"	7'- 11"	7'- 8"	7'- 4"
3 x 9.25	12'- 11"	12'- 0"	11'- 3"	10'- 8"	10'- 3"	9'- 10"	9'- 6"
3 x 11.25	15'- 10"	14'- 8"	13'- 9"	13'- 1"	12'- 6"	11'- 10"	10'- 8"
4.5 x 7.25	11'- 6"	10'- 7"	10'- 0"	9'- 5"	9'- 0"	8'- 8"	8'- 4"
4.5 x 9.25	14'- 9"	13'- 8"	12'- 10"	12'- 2"	11'- 7"	11'- 2"	10'- 9"
4.5 x 11.25	18'- 0"	16'- 8"	15'- 8"	14'- 11"	14'- 3"	13'- 8"	13'- 2"

Notes:

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Size [in]	Deck Joist Span with 2' Cantilever [ft]						
	6	8	10	12	14	16	18
	Deck Joist Simple Span [ft]						
	8	10	12	14	16	18	20
1.5 x 7.25	7'- 4"	6'- 9"	6'- 4"	6'- 1"	5'- 9"	5'- 7"	5'- 4"
1.5 x 9.25	9'- 5"	8'- 8"	8'- 2"	7'- 8"	6'- 8"	5'- 11"	5'- 4"
1.5 x 11.25	11'- 5"	10'- 7"	8'- 11"	7'- 8"	6'- 8"	5'- 11"	5'- 4"
3 x 7.25	9'- 2"	8'- 6"	7'- 11"	7'- 6"	7'- 2"	6'- 11"	6'- 8"
3 x 9.25	11'- 9"	10'- 10"	10'- 3"	9'- 8"	9'- 3"	8'- 11"	8'- 7"
3 x 11.25	14'- 4"	13'- 3"	12'- 6"	11'- 10"	11'- 4"	10'- 10"	10'- 6"
4.5 x 7.25	10'- 5"	9'- 7"	9'- 0"	8'- 6"	8'- 2"	7'- 10"	7'- 6"
4.5 x 9.25	13'- 4"	12'- 4"	11'- 7"	11'- 0"	10'- 6"	10'- 1"	9'- 9"
4.5 x 11.25	16'- 4"	15'- 2"	14'- 3"	13'- 6"	12'- 11"	12'- 4"	11'- 11"

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