

Span Tables for Douglas Fir-Larch Lumber.

2019 California Building Code, Section 2308. 2019 Residential Building Code, R502, R802

**Rafters (L/Δ=240),
Table 2308.7.2(2),
Table R802.4.1(2)**

**Ceiling Joists (L/Δ=240),
Table 2308.7.1(1),
Table R802.5.1(1)**

**Floor Joists (L/Δ=360)
Table 2308.4.2.1(2)
Table R502.3.1(2)**

Douglas Fir - Larch No.2

Live Load Dead Load		20 psf 10 psf	10 psf 5 psf	40 psf 10 psf
Size (inches)	Spacing (inches)	Rafter Spans (ft.-ins.)	Ceiling Joist Spans (ft.-ins.)	Floor Joist Spans (ft.-ins.)
2x4	12.0	9'-10"	12'-5"	NA
	16.0	8'-11"	11'-3"	NA
	19.2	8'-5"	10'-7"	NA
	24.0	7'-10"	9'-10"	NA
2x6	12.0	15'-6"	19'-6"	10'-9"
	16.0	14'-1"	17'-8"	9'-9"
	19.2	13'-3"	16'-7"	9'-2"
	24.0	11'-11"	14'-10"	8'-3"
2x8	12.0	20'-5"	25'-8"	14'-2"
	16.0	18'-5"	23'-0"	12'-9"
	19.2	16'-10"	21'-0"	11'-8"
	24.0	15'-1"	18'-9"	10'-5"
2x10	12.0	26'-0"	Note a	18'-0"
	16.0	22'-6"	Note a	15'-7"
	19.2	20'-7"	25'-8"	14'-3"
	24.0	18'-5"	22'-11"	12'-9"
2x12	12.0	Note b	NA	20'-11"
	16.0	26'-0"	NA	18'-1"
	19.2	23'-10"	NA	16'-6"
	24.0	21'-4"	NA	14'-9"

Note a: Span exceeds 26 feet in length

Note b: Span exceeds 26 feet in length. Check sources for availability of lumber greater than 20 feet.