

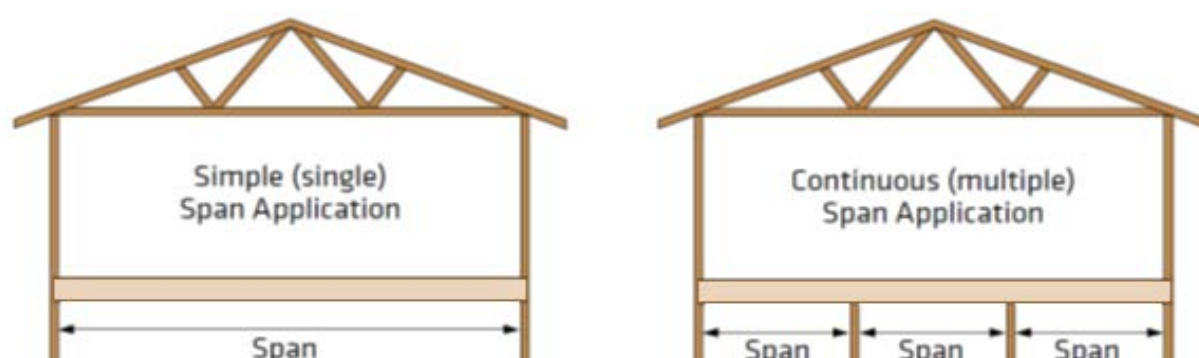
1-1/2" LP[®] SolidStart[®] LSL Floor Span Tables

This supplement **MUST** be used in conjunction with the LP[®] SolidStart[®] LSL and LPI Technical Guides

TO USE:

1. Select Simple Span or Continuous Span, as required.
2. Select the appropriate project floor loads.
3. For simple spans, select the required live load deflection.
4. Find a span that meets or exceeds the required clear span.
5. Read the corresponding joist grade, size and spacing.

Caution: For floor systems that require both simple span and continuous span joists, it is a good idea to check both before selecting a joist. Some conditions are controlled by continuous span rather than simple span.



Simple Span: 40 psf Live Load, 10 psf Dead Load

Grade	Size	L/480			L/360		
		12" oc	16" oc	19.2" oc	12" oc	16" oc	19.2" oc
1.35E	1-1/2" x 9-1/2"	15'-6"	14'-0"	13'-2"	17'-2"	15'-6"	14'-6"
	1-1/2" x 11-7/8"	19'-5"	17'-7"	16'-6"	21'-6"	19'-5"	18'-3"
1.55E	1-1/2" x 9-1/2"	16'-3"	14'-9"	13'-10"	18'-0"	16'-3"	15'-3"
	1-1/2" x 11-7/8"	20'-5"	18'-5"	17'-4"	22'-6"	20'-4"	19'-1"

Simple Span: 40 psf Live Load, 15 psf Dead Load

Grade	Size	L/480			L/360		
		12" oc	16" oc	19.2" oc	12" oc	16" oc	19.2" oc
1.35E	1-1/2" x 9-1/2"	15'-6"	14'-0"	13'-2"	17'-2"	15'-6"	14'-6"
	1-1/2" x 11-7/8"	19'-5"	17'-7"	16'-6"	21'-6"	19'-5"	18'-3"
1.55E	1-1/2" x 9-1/2"	16'-3"	14'-9"	13'-10"	18'-0"	16'-3"	15'-3"
	1-1/2" x 11-7/8"	20'-5"	18'-5"	17'-4"	22'-6"	20'-4"	19'-1"

Continuous Span: L/480

Grade	Size	40 psf Live Load, 10 psf Dead Load			40 psf Live Load, 15 psf Dead Load		
		12" oc	16" oc	19.2" oc	12" oc	16" oc	19.2" oc
1.35E	1-1/2" x 9-1/2"	16'-11"	15'-4"	14'-4"	16'-11"	15'-4"	14'-4"
	1-1/2" x 11-7/8"	20'-9"	18'-10"	17'-8"	20'-6"	18'-7"	17'-5"
1.55E	1-1/2" x 9-1/2"	17'-9"	16'-1"	15'-1"	17'-9"	16'-1"	15'-1"
	1-1/2" x 11-7/8"	21'-9"	19'-9"	18'-7"	21'-6"	19'-6"	18'-4"

DESIGN ASSUMPTIONS:

1. The spans listed are the clear distance between supports. Continuous spans are based on the longest span. The shortest span shall not be less than 50% of the longest span.
2. The spans are based on uniform floor loads only as listed at the top of the tables.
3. These tables require continuous floor sheathing attached to the top edge of the joist, in accordance with local building codes.
4. These spans do not reflect any additional stiffness provided by sheathing.
5. Live Load deflection is limited to L/480 or L/360 as indicated in the tables above.
6. Total Load deflection is limited to L/240.
7. The spans are based on an end bearing length of at least 1-3/4" and an interior earing length of at least 3-1/2", and are limited to the bearing capacity for an SPF wall plate ($F_{c\perp} = 425$ psi).

ADDITIONAL NOTES:

1. L/360 represents the maximum deflection allowed per code and may not provide suitable floor performance. L/480 or better is recommended for most applications.
2. These spans are not evaluated for vibration.
3. Though not required for the spans above, bridging, blocking, bottom-flange bracing or a direct-applied gypsum ceiling can improve the feel of a floor.
4. For conditions not shown, use the Uniform Floor Load (PLF) tables, LP's design software or contact your LP Engineered Wood Products distributor for assistance.

Cal Prop 65 Warning: Use of this product may result in exposure to wood dust, known to the State of California to cause cancer.



CONTACT US: 1.888.820.0325 or e-mail customer.support@lpcorp.com. Visit our web site at www.LPCorp.com.

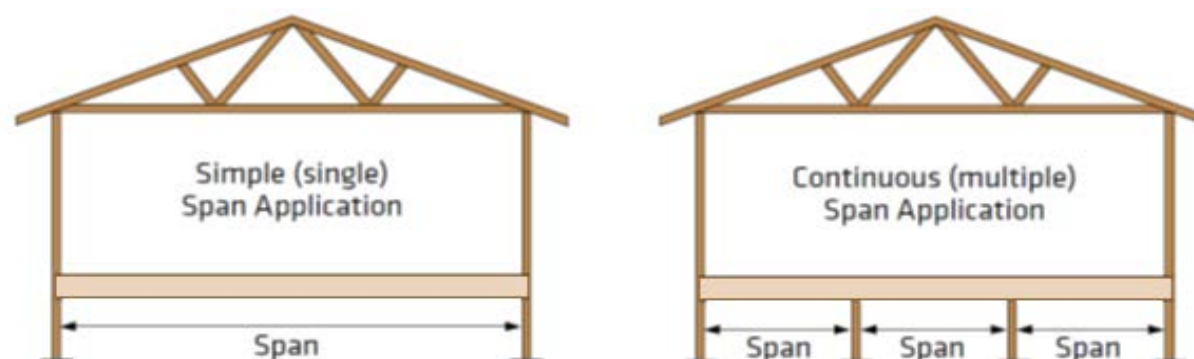
1-3/4" LP[®] SolidStart[®] LSL Floor Span Tables

This supplement **MUST** be used in conjunction with the LP[®] SolidStart[®] LSL and LPI Technical Guides

TO USE:

1. Select Simple Span or Continuous Span, as required.
2. Select the appropriate project floor loads.
3. For simple spans, select the required live load deflection.
4. Find a span that meets or exceeds the required clear span.
5. Read the corresponding joist grade, size and spacing.

Caution: For floor systems that require both simple span and continuous span joists, it is a good idea to check both before selecting a joist. Some conditions are controlled by continuous span rather than simple span.



Simple Span: 40 psf Live Load, 10 psf Dead Load

Grade	Size	L/480			L/360		
		12" oc	16" oc	19.2" oc	12" oc	16" oc	19.2" oc
1.35E	1-3/4" x 9-1/2"	16'-4"	14'-10"	13'-11"	18'-0"	16' 4"	15' 4"
	1-3/4" x 11-7/8"	20'-6"	18'-7"	17'-5"	22'-6"	20' 6"	19' 3"
	1-3/4" x 14"	24'-2"	21'-11"	20'-7"	26'-7"	24' 2"	22' 9"
1.55E	1-3/4" x 9-1/2"	17'-2"	15'-6"	14'-7"	18'-11"	17' 2"	16' 1"
	1-3/4" x 11-7/8"	21'-6"	19'-6"	18'-3"	23'-9"	21' 6"	20' 2"
	1-3/4" x 14"	25'-4"	23'-0"	21'-7"	28'-0"	25' 4"	23' 10"

Simple Span: 40 psf Live Load, 15 psf Dead Load

Grade	Size	L/480			L/360		
		12" oc	16" oc	19.2" oc	12" oc	16" oc	19.2" oc
1.35E	1-3/4" x 9-1/2"	16'-4"	14'-10"	13'-11"	18'-0"	16' 4"	15' 4"
	1-3/4" x 11-7/8"	20'-6"	18'-7"	17'-5"	22'-6"	20' 6"	19' 3"
	1-3/4" x 14"	24'-2"	21'-11"	20'-7"	26'-7"	24' 2"	22' 9"
1.55E	1-3/4" x 9-1/2"	17'-2"	15'-6"	14'-7"	18'-11"	17' 2"	16' 1"
	1-3/4" x 11-7/8"	21'-6"	19'-6"	18'-3"	23'-9"	21' 6"	20' 2"
	1-3/4" x 14"	25'-4"	23'-0"	21'-7"	28'-0"	25' 4"	23' 10"

Continuous Span: L/480

Grade	Size	40 psf Live Load, 10 psf Dead Load			40 psf Live Load, 15 psf Dead Load		
		12" oc	16" oc	19.2" oc	12" oc	16" oc	19.2" oc
1.35E	1-3/4" x 9-1/2"	17'-10"	16'-2"	15'-2"	17'-10"	16'-2"	15'-2"
	1-3/4" x 11-7/8"	22'-5"	20'-3"	19'-0"	22'-5"	20'-3"	19'-0"
	1-3/4" x 14"	25'-8"	23'-3"	21'-10"	25'-4"	23'-0"	21'-7"
1.55E	1-3/4" x 9-1/2"	18'-9"	16'-11"	15'-11"	18'-9"	16'-11"	15'-11"
	1-3/4" x 11-7/8"	23'-6"	21'-3"	19'-11"	23'-6"	21'-3"	19'-11"
	1-3/4" x 14"	26'-11"	24'-5"	22'-11"	26'-7"	24'-1"	22'-8"

DESIGN ASSUMPTIONS:

1. The spans listed are the clear distance between supports. Continuous spans are based on the longest span. The shortest span shall not be less than 50% of the longest span.
2. The spans are based on uniform floor loads only as listed at the top of the tables.
3. These tables require continuous floor sheathing attached to the top edge of the joist, in accordance with local building codes.
4. These spans do not reflect any additional stiffness provided by sheathing.
5. Live Load deflection is limited to L/480 or L/360 as indicated in the tables above.
6. Total Load deflection is limited to L/240.
7. The spans are based on an end bearing length of at least 1-3/4" and an interior bearing length of at least 3-1/2", and are limited to the bearing capacity for an SPF wall plate ($F_{cL} = 425$ psi).

ADDITIONAL NOTES:

1. L/360 represents the maximum deflection allowed per code and may not provide suitable floor performance. L/480 or better is recommended for most applications.
2. These spans are not evaluated for vibration.
3. Though not required for the spans above, bridging, blocking, bottom-flange bracing or a direct-applied gypsum ceiling can improve the feel of a floor.
4. For conditions not shown, use the Uniform Floor Load (PLF) tables, LP's design software or contact your LP Engineered Wood Products distributor for assistance.

Cal Prop 65 Warning: Use of this product may result in exposure to wood dust, known to the State of California to cause cancer.



CONTACT US: 1.888.820.0325 or e-mail customer.support@lpcorp.com. Visit our web site at www.LPCorp.com.