

Ceiling Span Table Notes

1. For unbraced sections, allowable moment is based on AISI S100-07 with S2-10 Supplement, section C3.1.2 with weak axis and torsional unbraced length assumed to be the listed span (completely unbraced). For mid-span braced sections, allowable moment based on AISI S100-07 Specification section C3.1.2 with weak axis and torsional unbraced length assumed to be one-half of the listed span (bracing at midspan).
2. Web crippling calculation based on bearing length = 1 inch.
3. Web crippling and shear capacity have not been reduced for punchouts. If web punchouts occur near support members must be checked for reduced shear and web crippling in accordance with the AISI S100-07 with S2-10 Supplement.
4. Values are for simple span conditions.

Ceiling Span Tables



Allowable Ceiling Spans - Deflection Limit L/360

Section	Fy, ksi	4 psf						6 psf						13 psf					
		Lateral Support of Compression Flange						Lateral Support of Compression Flange						Lateral Support of Compression Flange					
		Unsupported			Midspan			Unsupported			Midspan			Unsupported			Midspan		
		Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.		
	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	
162S125-18	33	7' 2"	6' 6"	5' 8"	7' 2"	6' 6"	5' 8"	6' 3"	5' 8"	5' 0"	6' 3"	5' 8"	5' 0"	4' 10"	4' 5"	3' 9"	4' 10"	4' 5"	3' 10"
162S125-27	33	8' 5"	7' 8"	6' 8"	8' 5"	7' 8"	6' 8"	7' 4"	6' 8"	5' 10"	7' 4"	6' 8"	5' 10"	5' 8"	5' 2"	4' 6"	5' 8"	5' 2"	4' 6"
162S125-30	33	8' 8"	7' 11"	6' 11"	8' 8"	7' 11"	6' 11"	7' 7"	6' 11"	6' 0"	7' 7"	6' 11"	6' 0"	5' 10"	5' 4"	4' 8"	5' 10"	5' 4"	4' 8"
162S125-33	33	9' 0"	8' 2"	7' 1"	9' 0"	8' 2"	7' 1"	7' 10"	7' 1"	6' 3"	7' 10"	7' 1"	6' 3"	6' 1"	5' 6"	4' 10"	6' 1"	5' 6"	4' 10"
162S137-27	33	8' 10"	8' 0"	7' 0"	8' 10"	8' 0"	7' 0"	7' 9"	7' 0"	6' 2"	7' 9"	7' 0"	6' 2"	6' 0"	5' 5"	4' 9"	6' 0"	5' 5"	4' 9"
162S137-30	33	9' 1"	8' 3"	7' 3"	9' 1"	8' 3"	7' 3"	8' 0"	7' 3"	6' 4"	8' 0"	7' 3"	6' 4"	6' 2"	5' 7"	4' 11"	6' 2"	5' 7"	4' 11"
162S137-33	33	9' 5"	8' 7"	7' 6"	9' 5"	8' 7"	7' 6"	8' 3"	7' 6"	6' 6"	8' 3"	7' 6"	6' 6"	6' 4"	5' 9"	5' 1"	6' 4"	5' 9"	5' 1"
250S125-18	33	8' 5"	7' 9"	6' 11"	9' 11"	9' 0"	7' 10"	7' 6"	6' 11"	6' 2"	8' 8"	7' 10"	6' 11"	6' 0"	5' 6"	4' 10" e	6' 8"	6' 1" e	5' 4" e
250S125-27	33	9' 8"	8' 11"	8' 0"	11' 8"	10' 7"	9' 3"	8' 8"	8' 0"	7' 2"	10' 2"	9' 3"	8' 1"	7' 0"	6' 6"	5' 9"	7' 10"	7' 2"	6' 3"
250S125-30	33	10' 0"	9' 3"	8' 3"	12' 0"	10' 11"	9' 6"	9' 0"	8' 3"	7' 5"	10' 6"	9' 6"	8' 4"	7' 3"	6' 8"	6' 0"	8' 1"	7' 4"	6' 5"
250S125-33	33	10' 5"	9' 8"	8' 7"	12' 5"	11' 3"	9' 10"	9' 4"	8' 7"	7' 8"	10' 10"	9' 10"	8' 7"	7' 6"	6' 11"	6' 2"	8' 5"	7' 7"	6' 8"
250S125-43	33	11' 9"	10' 10"	9' 7"	13' 6"	12' 3"	10' 9"	10' 5"	9' 7"	8' 6"	11' 10"	10' 9"	9' 4"	8' 4"	7' 8"	6' 10"	9' 1"	8' 3"	7' 3"
250S137-27	33	11' 0"	10' 2"	9' 1"	12' 3"	11' 1"	9' 9"	9' 10"	9' 1"	8' 2"	10' 8"	9' 9"	8' 6"	8' 0"	7' 5"	6' 7"	8' 3"	7' 6"	6' 7"
250S137-30	33	11' 4"	10' 6"	9' 5"	12' 8"	11' 6"	10' 0"	10' 2"	9' 5"	8' 5"	11' 0"	10' 0"	8' 9"	8' 3"	7' 8"	6' 9"	8' 6"	7' 9"	6' 9"
250S137-33	33	11' 10"	10' 11"	9' 9"	13' 1"	11' 10"	10' 4"	10' 7"	9' 9"	8' 9"	11' 5"	10' 4"	9' 1"	8' 6"	7' 11"	7' 0"	8' 10"	8' 0"	7' 0"
250S137-43	33	13' 2"	12' 2"	10' 9"	14' 2"	12' 11"	11' 3"	11' 9"	10' 9"	9' 7"	12' 5"	11' 3"	9' 10"	9' 5"	8' 8"	7' 7"	9' 7"	8' 8"	7' 7"
250S162-33	33	13' 6"	12' 5"	10' 10"	13' 8"	12' 5"	10' 10"	12' 0"	10' 10"	9' 6"	12' 0"	10' 10"	9' 6"	9' 3"	8' 5"	7' 4"	9' 3"	8' 5"	7' 4"
250S162-43	33	14' 11"	13' 6"	11' 10"	14' 11"	13' 6"	11' 10"	13' 0"	11' 10"	10' 4"	13' 0"	11' 10"	10' 4"	10' 1"	9' 2"	8' 0"	10' 1"	9' 2"	8' 0"
350S125-18	33	9' 2"	8' 6"	7' 6"	12' 6"	11' 5"	9' 11"	8' 3"	7' 6"	6' 8"	11' 0"	9' 11"	8' 5" e	6' 6"	5' 11" e	5' 3" e	8' 2" e	7' 2" e	6' 0" e
350S125-27	33	10' 6"	9' 9"	8' 9"	14' 11"	13' 8"	12' 0"	9' 5"	8' 9"	7' 9"	13' 2"	12' 0"	10' 5"	7' 7"	7' 0"	6' 4"	10' 2"	9' 3"	7' 10"
350S125-30	33	10' 11"	10' 1"	9' 0"	15' 5"	14' 2"	12' 4"	9' 9"	9' 0"	8' 1"	13' 7"	12' 4"	10' 10"	7' 11"	7' 3"	6' 6"	10' 6"	9' 7"	8' 4"
350S125-33	33	11' 4"	10' 5"	9' 4"	16' 0"	14' 8"	12' 9"	10' 1"	9' 4"	8' 4"	14' 1"	12' 9"	11' 2"	8' 2"	7' 7"	6' 9"	10' 10"	9' 10"	8' 8"
350S125-43	33	12' 7"	11' 7"	10' 3"	17' 6"	15' 11"	13' 11"	11' 2"	10' 3"	9' 2"	15' 4"	13' 11"	12' 2"	9' 0"	8' 3"	7' 5"	11' 10"	10' 9"	9' 5"
350S137-27	33	11' 11"	11' 0"	9' 11"	15' 10"	14' 5"	12' 7"	10' 8"	9' 11"	8' 10"	13' 10"	12' 7"	11' 0"	8' 8"	8' 1"	7' 3"	10' 8"	9' 9"	8' 6"
350S137-30	33	12' 4"	11' 5"	10' 2"	16' 4"	14' 10"	13' 0"	11' 0"	10' 2"	9' 2"	14' 3"	13' 0"	11' 4"	8' 11"	8' 4"	7' 5"	11' 0"	10' 0"	8' 9"
350S137-33	33	12' 9"	11' 9"	10' 7"	16' 11"	15' 4"	13' 5"	11' 5"	10' 7"	9' 6"	14' 9"	13' 5"	11' 9"	9' 3"	8' 7"	7' 8"	11' 5"	10' 4"	9' 1"
350S137-43	33	14' 1"	13' 0"	11' 7"	18' 4"	16' 8"	14' 7"	12' 7"	11' 7"	10' 4"	16' 1"	14' 7"	12' 9"	10' 1"	9' 4"	8' 4"	12' 5"	11' 3"	9' 10"
350S162-33	33	14' 6"	13' 5"	12' 0"	17' 9"	16' 1"	14' 1"	13' 0"	12' 0"	10' 10"	15' 6"	14' 1"	12' 3"	10' 7"	9' 10"	8' 10"	11' 11"	10' 10"	9' 6"
350S162-43	33	16' 0"	14' 9"	13' 2"	19' 3"	17' 6"	15' 3"	14' 3"	13' 2"	11' 9"	16' 10"	15' 3"	13' 4"	11' 6"	10' 8"	9' 7"	13' 0"	11' 10"	10' 4"
362S125-18	33	9' 3"	8' 7"	7' 7"	12' 8"	11' 7"	10' 0"	8' 3"	7' 7"	6' 9"	11' 2"	10' 0"	8' 7" e	6' 7"	6' 0" e	5' 4" e	8' 3" e	7' 4" e	6' 1" e
362S125-27	33	10' 8"	9' 10"	8' 10"	15' 0"	13' 11"	12' 4"	9' 6"	8' 10"	7' 10"	13' 5"	12' 4"	10' 9"	7' 8"	7' 1"	6' 4"	10' 5"	9' 4"	7' 11"
362S125-30	33	11' 0"	10' 2"	9' 1"	15' 6"	14' 4"	12' 8"	9' 10"	9' 1"	8' 2"	13' 11"	12' 8"	11' 1"	8' 0"	7' 4"	6' 7"	10' 10"	9' 10"	8' 5"
362S125-33	33	11' 5"	10' 6"	9' 5"	16' 2"	14' 10"	13' 2"	10' 2"	9' 5"	8' 5"	14' 5"	13' 2"	11' 6"	8' 3"	7' 8"	6' 10"	11' 2"	10' 2"	8' 10"
362S125-43	33	12' 8"	11' 8"	10' 4"	17' 9"	16' 4"	14' 4"	11' 3"	10' 4"	9' 3"	15' 9"	14' 4"	12' 6"	9' 1"	8' 4"	7' 6"	12' 2"	11' 1"	9' 8"
362S137-27	33	12' 0"	11' 1"	10' 0"	16' 3"	14' 10"	12' 11"	10' 9"	10' 0"	8' 11"	14' 3"	12' 11"	11' 3"	8' 9"	8' 1"	7' 4"	11' 0"	10' 0"	8' 9" e
362S137-30	33	12' 5"	11' 6"	10' 4"	16' 10"	15' 3"	13' 4"	11' 2"	10' 4"	9' 3"	14' 8"	13' 4"	11' 8"	9' 0"	8' 4"	7' 6"	11' 4"	10' 4"	9' 0"
362S137-33	33	12' 10"	11' 11"	10' 8"	17' 4"	15' 9"	13' 9"	11' 6"	10' 8"	9' 7"	15' 2"	13' 9"	12' 0"	9' 4"	8' 8"	7' 9"	11' 9"	10' 8"	9' 4"
362S137-43	33	14' 3"	13' 1"	11' 8"	18' 11"	17' 2"	15' 0"	12' 8"	11' 8"	10' 5"	16' 6"	15' 0"	13' 1"	10' 3"	9' 5"	8' 5"	12' 9"	11' 7"	10' 1"
362S162-33	33	14' 8"	13' 7"	12' 2"	18' 2"	16' 6"	14' 5"	13' 2"	12' 2"	10' 11"	15' 11"	14' 5"	12' 7"	10' 8"	9' 11"	8' 10"	12' 3"	11' 2"	9' 9"
362S162-43	33	16' 1"	14' 10"	13' 3"	19' 10"	18' 0"	15' 9"	14' 5"	13' 3"	11' 11"	17' 4"	15' 9"	13' 9"	11' 8"	10' 9"	9' 8"	13' 4"	12' 2"	10' 7"
400S125-18	33	9' 6"	8' 9"	7' 10"	13' 0"	11' 11"	10' 5"	8' 6"	7' 10"	6' 11"	11' 6"	10' 5"	8' 11" e	6' 9"	6' 2" e	5' 6" e	8' 8" e	7' 8" e	6' 5" e
400S125-27	33	10' 11"	10' 1"	9' 0"	15' 5"	14' 3"	12' 9"	9' 9"	9' 0"	8' 1"	13' 10"	12' 9"	11' 2"	7' 11"	7' 4"	6' 6"	10' 10"	9' 9"	8' 4"
400S125-30	33	11' 3"	10' 5"	9' 4"	15' 11"	14' 9"	13' 2"	10' 1"	9' 4"	8' 4"	14' 3"	13' 2"	11' 9"	8' 2"	7' 7"	6' 9"	11' 5"	10' 4"	8' 10"
400S125-33	33	11' 9"	10' 10"	9' 8"	16' 7"	15' 3"	13' 8"	10' 6"	9' 8"	8' 8"	14' 9"	13' 8"	12' 3"	8' 6"	7' 10"	7' 0"	11' 11"	10' 11"	9' 5"
400S125-43	33	13' 0"	11' 11"	10' 8"	18' 2"	16' 9"	15' 0"	11' 7"	10' 8"	9' 6"	16' 3"	15' 0"	13' 5"	9' 4"	8' 7"	7' 8"	13' 1"	11' 11"	10' 5"
400S137-27	33	12' 4"	11' 5"	10' 3"	17' 7"	16' 0"	13' 11"	11' 1"	10' 3"	9' 2"	15' 4"	13' 11"	12' 2"	9' 0"	8' 4"	7' 6"	11' 10"	10' 9"	9' 5" e
400S137-30	33	12' 9"	11' 9"	10' 7"	18' 2"	16' 6"	14' 5"	11' 5"	10' 7"	9' 6"	15' 10"	14' 5"	12' 7"	9' 3"	8' 7"	7' 8"	12' 3"	11' 1"	9' 9"
400S137-33	33	13' 3"	12' 2"	10' 11"	18' 9"	17' 0"	14' 11"	11' 10"	10' 11"	9' 9"	16' 5"	14' 11"	13' 0"	9' 7"	8' 10"	7' 11"	12' 8"	11' 6"	10' 1"
400S137-43	33	14' 7"	13' 5"	12' 0"	20' 5"	18' 6"	16' 2"	13' 0"	12' 0"	10' 9"	17' 10"	16' 2"	14' 2"	10' 6"	9' 8"	8' 8"	13' 9"	12' 6"	10' 11"
400S162-33	33	15' 0"	13' 11"	12' 5"	19' 8"	17' 10"	15' 7"	13' 5"	12' 5"	11' 2"	17' 2"	15' 7"	13' 7"	10' 11"	10' 2"	9' 1"	13' 3"	12' 0"	10' 6"
400S162-43	33	16' 6"	15' 3"	13' 8"	21' 4"	19' 5"	16' 11"	14' 9"	13' 8"	12' 2"	18' 8"	16' 11"	14' 10"	11' 11"	11' 0"	9' 11"	14' 5"	13' 1"	11' 5"
550S125-27	33	12' 1"	11' 3"	10' 1"	17' 5"	16' 1"	14' 5"	10' 10"	10' 1"	9' 1"	15' 7"	14' 5"	12' 11"	8' 11"	8' 3"	7' 5"	12' 7"	11' 7"	10' 0" e
550S125-30	33	12' 5"	11' 6"	10' 4"	17' 11"	16' 8"	14' 11"	11' 2"	10' 4"	9' 4"	16' 2"	14' 11"	13' 4"	9' 2"	8' 6"	7' 8"	13' 0"	12' 1"	10' 7" e
550S125-33	33	12' 10"	11' 11"	10' 8"	18' 5"	17' 1"	15' 5"	11' 6"	10' 8"	9' 7"	16' 7"	15' 5"	13' 10"	9' 5"	8' 9"	7' 10"	13' 6"	12' 6"	11' 1"
550S125-43	33	14' 1"	13' 0"	11' 8"	20' 0"	18' 6"	16' 7"	12' 7"	11' 8"	10' 5"	17' 11"	16' 7"	14' 11"	10' 2"	9' 5"	8' 5"	14' 7"	13' 6"	12' 2"

"e" web stiffeners required at supports.

See Ceiling Span Table Notes on page 96.

Ceiling Span Tables



Allowable Ceiling Spans - Deflection Limit L/360

Section	F _y , ksi	4 psf						6 psf						13 psf								
		Lateral Support of Compression Flange						Lateral Support of Compression Flange						Lateral Support of Compression Flange								
		Unsupported			Midspan			Unsupported			Midspan			Unsupported			Midspan					
		Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.					
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
550S137-27	33	13' 8"	12' 8"	11' 5"	19' 9"	18' 4"	16' 7"	12' 3"	11' 5"	10' 3"	17' 10"	16' 7"	14' 11"	10' 1"	9' 4"	8' 5" e	14' 8"	13' 7" e	11' 11" e			
550S137-30	33	14' 0"	13' 0"	11' 9"	20' 3"	18' 10"	17' 0"	12' 7"	11' 9"	10' 7"	18' 3"	17' 0"	15' 4"	10' 4"	9' 7"	8' 8"	15' 0"	13' 11"	12' 4" e			
550S137-33	33	14' 6"	13' 5"	12' 1"	20' 10"	19' 4"	17' 5"	13' 0"	12' 1"	10' 10"	18' 9"	17' 5"	15' 9"	10' 7"	9' 10"	8' 11"	15' 5"	14' 4"	12' 9" e			
550S137-43	33	15' 10"	14' 8"	13' 1"	22' 6"	20' 10"	18' 9"	14' 2"	13' 1"	11' 9"	20' 3"	18' 9"	16' 10"	11' 6"	10' 8"	9' 7"	16' 6"	15' 4"	13' 9"			
550S162-33	33	16' 6"	15' 3"	13' 9"	23' 9"	22' 1"	19' 11"	14' 10"	13' 9"	12' 4"	21' 5"	19' 11"	17' 5"	12' 1"	11' 3"	10' 2"	17' 0"	15' 5"	13' 6" e			
550S162-43	33	18' 0"	16' 7"	14' 11"	25' 8"	23' 9"	21' 4"	16' 1"	14' 11"	13' 4"	23' 0"	21' 4"	19' 0"	13' 1"	12' 1"	10' 11"	18' 6"	16' 10"	14' 8"			
600S125-27	33	12' 5"	11' 6"	10' 4"	17' 10"	16' 6"	14' 9"	11' 2"	10' 4"	9' 4"	16' 0"	14' 9"	13' 2"	9' 2"	8' 6"	7' 7" e	12' 11"	11' 11" e	10' 4" e			
600S125-30	33	12' 9"	11' 10"	10' 8"	18' 5"	17' 1"	15' 3"	11' 6"	10' 8"	9' 7"	16' 6"	15' 3"	13' 8"	9' 5"	8' 8"	7' 10"	13' 4"	12' 4"	10' 11" e			
600S125-33	33	13' 2"	12' 2"	10' 11"	18' 11"	17' 7"	15' 10"	11' 10"	10' 11"	9' 10"	17' 0"	15' 10"	14' 2"	9' 8"	8' 11"	8' 1"	13' 10"	12' 9"	11' 5"			
600S125-43	33	14' 5"	13' 4"	11' 11"	20' 6"	18' 11"	17' 0"	12' 11"	11' 11"	10' 8"	18' 4"	17' 0"	15' 3"	10' 5"	9' 8"	8' 8"	15' 0"	13' 11"	12' 6"			
600S137-27	33	14' 0"	13' 0"	11' 8"	20' 2"	18' 8"	16' 9"	12' 7"	11' 8"	10' 6"	18' 1"	16' 9"	15' 0"	10' 4"	9' 7"	8' 7" e	14' 8"	13' 7" e	11' 10" e			
600S137-30	33	14' 5"	13' 4"	12' 0"	20' 9"	19' 3"	17' 3"	12' 11"	12' 0"	10' 10"	18' 8"	17' 3"	15' 6"	10' 7"	9' 10"	8' 10"	15' 2"	14' 0"	12' 5" e			
600S137-33	33	14' 10"	13' 9"	12' 4"	21' 5"	19' 10"	17' 10"	13' 4"	12' 4"	11' 2"	19' 3"	17' 10"	16' 0"	10' 11"	10' 1"	9' 1"	15' 8"	14' 6"	12' 11" e			
600S137-43	33	16' 3"	15' 0"	13' 5"	23' 1"	21' 5"	19' 3"	14' 6"	13' 5"	12' 0"	20' 9"	19' 3"	17' 3"	11' 9"	10' 11"	9' 10"	16' 11"	15' 9"	14' 2"			
600S162-33	33	16' 11"	15' 8"	14' 1"	24' 5"	22' 8"	20' 5"	15' 2"	14' 1"	12' 8"	22' 0"	20' 5"	18' 5"	12' 5"	11' 6"	10' 5"	18' 0"	16' 6"	14' 5" e			
600S162-43	33	18' 4"	17' 0"	15' 3"	26' 3"	24' 4"	21' 11"	16' 5"	15' 3"	13' 8"	23' 7"	21' 11"	19' 9"	13' 5"	12' 5"	11' 2"	19' 4"	17' 11"	15' 9"			
800S125-33	33	14' 3"	13' 3"	11' 11"	20' 7"	19' 1"	17' 1"	12' 10"	11' 11"	10' 9"	18' 5"	17' 1"	15' 3"	10' 6"	9' 9"	8' 9" e	14' 11"	13' 9" e	12' 4" e			
800S125-43	33	15' 7"	14' 4"	12' 11"	22' 2"	20' 7"	18' 6"	13' 11"	12' 11"	11' 7"	19' 11"	18' 6"	16' 8"	11' 4"	10' 6"	9' 5"	16' 3"	15' 1"	13' 6"			
800S137-33	33	16' 1"	14' 11"	13' 5"	23' 2"	21' 6"	19' 3"	14' 6"	13' 5"	12' 1"	20' 9"	19' 3"	17' 3"	11' 10"	11' 0"	9' 10" e	16' 10"	15' 7" e	14' 0" e			
800S137-43	33	17' 6"	16' 2"	14' 6"	25' 1"	23' 3"	20' 11"	15' 8"	14' 6"	13' 0"	22' 6"	20' 11"	18' 10"	12' 9"	11' 10"	10' 8"	18' 5"	17' 0"	15' 3" e			
800S162-33	33	18' 4"	17' 0"	15' 4"	26' 4"	24' 5"	21' 11"	16' 6"	15' 4"	13' 9"	23' 8"	21' 11"	19' 7" e	13' 6"	12' 6"	11' 2" e	19' 2" e	17' 9" e	15' 10" e			
800S162-43	33	19' 10"	18' 5"	16' 6"	28' 6"	26' 6"	23' 10"	17' 10"	16' 6"	14' 10"	25' 8"	23' 10"	21' 5"	14' 6"	13' 6"	12' 2"	20' 11"	19' 4"	17' 4"			

Allowable Ceiling Spans - Deflection Limit L/240

Section	F _y , ksi	4 psf						6 psf						13 psf								
		Lateral Support of Compression Flange						Lateral Support of Compression Flange						Lateral Support of Compression Flange								
		Unsupported			Midspan			Unsupported			Midspan			Unsupported			Midspan					
		Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.					
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
162S125-18	33	7' 3"	6' 7"	5' 10"	8' 3"	7' 5"	6' 6"	6' 5"	5' 10"	5' 1"	7' 2"	6' 6"	5' 8"	5' 0"	4' 5"	3' 9"	5' 7"	4' 10"	3' 11"			
162S125-27	33	8' 7"	7' 11"	7' 1"	9' 8"	8' 9"	7' 8"	7' 8"	7' 1"	6' 3"	8' 5"	7' 8"	6' 8"	6' 1"	5' 6"	4' 9"	6' 6"	5' 11"	5' 2"			
162S125-30	33	9' 0"	8' 3"	7' 4"	9' 11"	9' 0"	7' 11"	8' 0"	7' 4"	6' 6"	8' 8"	7' 11"	6' 11"	6' 5"	5' 10"	5' 0"	6' 9"	6' 1"	5' 4"			
162S125-33	33	9' 5"	8' 8"	7' 8"	10' 3"	9' 4"	8' 2"	8' 4"	7' 8"	6' 10"	9' 0"	8' 2"	7' 1"	6' 8"	6' 1"	5' 4"	6' 11"	6' 4"	5' 6"			
162S137-27	33	9' 11"	9' 2"	8' 0"	10' 1"	9' 2"	8' 0"	8' 10"	8' 0"	7' 0"	8' 10"	8' 0"	7' 0"	6' 10"	6' 2"	5' 5"	6' 10"	6' 2"	5' 5"			
162S137-30	33	10' 3"	9' 6"	8' 3"	10' 5"	9' 6"	8' 3"	9' 1"	8' 3"	7' 3"	9' 1"	8' 3"	7' 3"	7' 1"	6' 5"	5' 7"	7' 1"	6' 5"	5' 7"			
162S137-33	33	10' 9"	9' 9"	8' 7"	10' 9"	9' 9"	8' 7"	9' 5"	8' 7"	7' 6"	9' 5"	8' 7"	7' 6"	7' 3"	6' 7"	5' 9"	7' 3"	6' 7"	5' 9"			
250S125-18	33	8' 5"	7' 9"	6' 11"	11' 4"	10' 4"	9' 0"	7' 6"	6' 11"	6' 2"	9' 11"	9' 0"	7' 9"	6' 0"	5' 6"	4' 10" e	7' 6"	6' 7" e	5' 6" e			
250S125-27	33	9' 8"	8' 11"	8' 0"	13' 4"	12' 1"	10' 7"	8' 8"	8' 0"	7' 2"	11' 8"	10' 7"	9' 3"	7' 0"	6' 6"	5' 9"	9' 0"	8' 2"	6' 10"			
250S125-30	33	10' 0"	9' 3"	8' 3"	13' 9"	12' 6"	10' 11"	9' 0"	8' 3"	7' 5"	12' 0"	10' 11"	9' 6"	7' 3"	6' 8"	6' 0"	9' 3"	8' 5"	7' 3"			
250S125-33	33	10' 5"	9' 8"	8' 7"	14' 3"	12' 11"	11' 3"	9' 4"	8' 7"	7' 8"	12' 5"	11' 3"	9' 10"	7' 6"	6' 11"	6' 2"	9' 7"	8' 9"	7' 7"			
250S125-43	33	11' 9"	10' 10"	9' 7"	15' 6"	14' 1"	12' 3"	10' 5"	9' 7"	8' 6"	13' 6"	12' 3"	10' 9"	8' 4"	7' 8"	6' 10"	10' 5"	9' 6"	8' 3"			
250S137-27	33	11' 0"	10' 2"	9' 1"	14' 0"	12' 9"	11' 1"	9' 10"	9' 1"	8' 2"	12' 3"	11' 1"	9' 9"	8' 0"	7' 5"	6' 8"	9' 6"	8' 7"	7' 6"			
250S137-30	33	11' 4"	10' 6"	9' 5"	14' 5"	13' 2"	11' 6"	10' 2"	9' 5"	8' 5"	12' 8"	11' 6"	10' 0"	8' 3"	7' 8"	6' 10"	9' 9"	8' 10"	7' 9"			
250S137-33	33	11' 10"	10' 11"	9' 9"	14' 11"	13' 7"	11' 10"	10' 7"	9' 9"	8' 9"	13' 1"	11' 10"	10' 4"	8' 6"	7' 11"	7' 1"	10' 1"	9' 2"	8' 0"			
250S137-43	33	13' 2"	12' 2"	10' 9"	16' 3"	14' 9"	12' 11"	11' 9"	10' 9"	9' 7"	14' 2"	12' 11"	11' 3"	9' 5"	8' 8"	7' 9"	10' 11"	9' 11"	8' 8"			
250S162-33	33	13' 6"	12' 5"	11' 2"	15' 8"	14' 3"	12' 5"	12' 1"	11' 2"	10' 10"	13' 8"	12' 5"	10' 10"	9' 9"	9' 1"	8' 0"	10' 7"	9' 7"	8' 5"			
250S162-43	33	14' 11"	13' 9"	12' 3"	17' 1"	15' 6"	13' 6"	13' 4"	12' 3"	10' 11"	14' 11"	13' 6"	11' 10"	10' 8"	9' 10"	8' 10"	11' 6"	10' 5"	9' 2"			
350S125-18	33	9' 2"	8' 6"	7' 6"	12' 6"	11' 5"	9' 11"	8' 3"	7' 6"	6' 8"	11' 0"	9' 11"	8' 5" e	6' 6"	5' 11" e	5' 3" e	8' 2" e	7' 2" e	6' 0" e			
350S125-27	33	10' 6"	9' 9"	8' 9"	14' 11"	13' 9"	12' 3"	9' 5"	8' 9"	7' 9"	13' 4"	12' 3"	10' 8"	7' 7"	7' 0"	6' 4"	10' 4"	9' 3"	7' 10"			
350S125-30	33	10' 11"	10' 1"	9' 0"	15' 5"	14' 2"	12' 9"	9' 9"	9' 0"	8' 1"	13' 9"	12' 9"	11' 3"	7' 11"	7' 3"	6' 6"	10' 11"	9' 9"	8' 4"			
350S125-33	33	11' 4"	10' 5"	9' 4"	16' 0"	14' 9"	13' 2"	10' 1"	9' 4"	8' 4"	14' 3"	13' 2"	11' 9"	8' 2"	7' 7"	6' 9"	11' 6"	10' 5"	8' 10"			
350S125-43	33	12' 7"	11' 7"	10' 3"	17' 7"	16' 2"	14' 6"	11' 2"	10' 3"	9' 2"	15' 8"	14' 6"	12' 11"	9' 0"	8' 3"	7' 5"	12' 7"	11' 6"	10' 1"			
350S137-27	33	11' 11"	11' 0"	9' 11"	17' 0"	15' 9"	14' 1"	10' 8"	9' 11"	8' 10"	15' 3"	14' 1"	12' 4"	8' 8"	8' 1"	7' 3"	12' 0"	10' 7"	8' 11" e			
350S137-30	33	12' 4"	11' 5"	10' 2"	17' 6"	16' 3"	14' 7"	11' 0"	10' 2"	9' 2"	15' 9"	14' 7"	12' 10"	8' 11"	8' 4"	7' 5"	12' 6"	11' 3"	9' 6"			
350S137-33	33	12' 9"	11' 9"	10' 7"	18' 2"	16' 9"	15' 1"	11' 5"	10' 7"	9' 6"	16' 3"	15' 1"	13' 4"	9' 3"	8' 7"	7' 8"	13' 0"	11' 9"	10' 0"			
350S137-43	33	14' 1"	13' 0"	11' 7"	19' 10"	18' 4"	16' 5"	12' 7"	11' 7"	10' 4"	17' 9"	16' 5"	14' 7"	10' 1"	9' 4"	8' 4"	14' 2"	12' 11"	11' 3"			

"e" web stiffeners required at supports.

See Ceiling Span Table Notes on page 96.

Ceiling Span Tables



Allowable Ceiling Spans - Deflection Limit L/240

Section	Fy, ksi	4 psf						6 psf						13 psf					
		Lateral Support of Compression Flange						Lateral Support of Compression Flange						Lateral Support of Compression Flange					
		Unsupported			Midspan			Unsupported			Midspan			Unsupported			Midspan		
		Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
350S162-33	33	14' 6"	13' 5"	12' 0"	20' 3"	18' 5"	16' 1"	13' 0"	12' 0"	10' 10"	17' 9"	16' 1"	14' 1"	10' 7"	9' 10"	8' 10"	13' 8"	12' 5"	10' 10"
350S162-43	33	16' 0"	14' 9"	13' 2"	22' 1"	20' 0"	17' 6"	14' 3"	13' 2"	11' 9"	19' 3"	17' 6"	15' 3"	11' 6"	10' 8"	9' 7"	14' 11"	13' 6"	11' 10"
362S125-18	33	9' 3"	8' 7"	7' 7"	12' 8"	11' 7"	10' 0"	8' 3"	7' 7"	6' 9"	11' 2"	10' 0"	8' 7" e	6' 7"	6' 0" e	5' 4" e	8' 3" e	7' 4" e	6' 1" e
362S125-27	33	10' 8"	9' 10"	8' 10"	15' 0"	13' 11"	12' 4"	9' 6"	8' 10"	7' 10"	13' 5"	12' 4"	10' 9"	7' 8"	7' 1"	6' 4"	10' 6"	9' 4"	7' 11"
362S125-30	33	11' 0"	10' 2"	9' 1"	15' 6"	14' 4"	12' 10"	9' 10"	9' 1"	8' 2"	13' 11"	12' 10"	11' 4"	8' 0"	7' 4"	6' 7"	11' 1"	9' 11"	8' 5"
362S125-33	33	11' 5"	10' 6"	9' 5"	16' 2"	14' 10"	13' 3"	10' 2"	9' 5"	8' 5"	14' 5"	13' 3"	11' 10"	8' 3"	7' 8"	6' 10"	11' 7"	10' 6"	9' 0"
362S125-43	33	12' 8"	11' 8"	10' 4"	17' 9"	16' 4"	14' 8"	11' 3"	10' 4"	9' 3"	15' 10"	14' 8"	13' 1"	9' 1"	8' 4"	7' 6"	12' 9"	11' 8"	10' 2"
362S137-27	33	12' 0"	11' 1"	10' 0"	17' 2"	15' 11"	14' 3"	10' 9"	10' 0"	8' 11"	15' 5"	14' 3"	12' 6"	8' 9"	8' 1"	7' 4"	12' 2"	10' 9"	9' 1" e
362S137-30	33	12' 5"	11' 6"	10' 4"	17' 8"	16' 5"	14' 8"	11' 2"	10' 4"	9' 3"	15' 11"	14' 8"	13' 0"	9' 0"	8' 4"	7' 6"	12' 8"	11' 5"	9' 8"
362S137-33	33	12' 10"	11' 11"	10' 8"	18' 3"	16' 11"	15' 2"	11' 6"	10' 8"	9' 7"	16' 5"	15' 2"	13' 6"	9' 4"	8' 8"	7' 9"	13' 2"	11' 11"	10' 2"
362S137-43	33	14' 3"	13' 1"	11' 8"	20' 0"	18' 6"	16' 7"	12' 8"	11' 8"	10' 5"	17' 11"	16' 7"	14' 9"	10' 3"	9' 5"	8' 5"	14' 5"	13' 2"	11' 5"
362S162-33	33	14' 8"	13' 7"	12' 2"	20' 10"	18' 11"	16' 6"	13' 2"	12' 2"	10' 11"	18' 2"	16' 6"	14' 5"	10' 8"	9' 11"	8' 10"	14' 1"	12' 9"	11' 2"
362S162-43	33	16' 1"	14' 10"	13' 3"	22' 8"	20' 7"	18' 0"	14' 5"	13' 3"	11' 11"	19' 10"	18' 0"	15' 9"	11' 8"	10' 9"	9' 8"	15' 4"	13' 11"	12' 2"
400S125-18	33	9' 6"	8' 9"	7' 10"	13' 0"	11' 11"	10' 5"	8' 6"	7' 10"	6' 11"	11' 6"	10' 5"	8' 11" e	6' 9"	6' 2" e	5' 6" e	8' 8" e	7' 8" e	6' 5" e
400S125-27	33	10' 11"	10' 1"	9' 0"	15' 5"	14' 3"	12' 9"	9' 9"	9' 0"	8' 1"	13' 10"	12' 9"	11' 2"	7' 11"	7' 4"	6' 6"	10' 10"	9' 9"	8' 4"
400S125-30	33	11' 3"	10' 5"	9' 4"	15' 11"	14' 9"	13' 2"	10' 1"	9' 4"	8' 4"	14' 3"	13' 2"	11' 9"	8' 2"	7' 7"	6' 9"	11' 5"	10' 4"	8' 10"
400S125-33	33	11' 9"	10' 10"	9' 8"	16' 7"	15' 3"	13' 8"	10' 6"	9' 8"	8' 8"	14' 9"	13' 8"	12' 3"	8' 6"	7' 10"	7' 0"	11' 11"	10' 11"	9' 5"
400S125-43	33	13' 0"	11' 11"	10' 8"	18' 2"	16' 9"	15' 0"	11' 7"	10' 8"	9' 6"	16' 3"	15' 0"	13' 5"	9' 4"	8' 7"	7' 8"	13' 1"	12' 1"	10' 7"
400S137-27	33	12' 4"	11' 5"	10' 3"	17' 7"	16' 4"	14' 8"	11' 1"	10' 3"	9' 2"	15' 10"	14' 8"	13' 0"	9' 0"	8' 4"	7' 6"	12' 7"	11' 3"	9' 6" e
400S137-30	33	12' 9"	11' 9"	10' 7"	18' 2"	16' 10"	15' 1"	11' 5"	10' 7"	9' 6"	16' 3"	15' 1"	13' 5"	9' 3"	8' 7"	7' 8"	13' 1"	11' 10"	10' 1"
400S137-33	33	13' 3"	12' 2"	10' 11"	18' 9"	17' 4"	15' 7"	11' 10"	10' 11"	9' 9"	16' 10"	15' 7"	13' 11"	9' 7"	8' 10"	7' 11"	13' 7"	12' 4"	10' 8"
400S137-43	33	14' 7"	13' 5"	12' 0"	20' 6"	18' 11"	17' 0"	13' 0"	12' 0"	10' 9"	18' 4"	17' 0"	15' 2"	10' 6"	9' 8"	8' 8"	14' 10"	13' 7"	11' 11"
400S162-33	33	15' 0"	13' 11"	12' 5"	21' 5"	19' 10"	17' 9"	13' 5"	12' 5"	11' 2"	19' 3"	17' 9"	15' 7"	10' 11"	10' 2"	9' 1"	15' 2"	13' 9"	11' 9"
400S162-43	33	16' 6"	15' 3"	13' 8"	23' 4"	21' 7"	19' 4"	14' 9"	13' 8"	12' 2"	20' 11"	19' 4"	16' 11"	11' 11"	11' 0"	9' 11"	16' 6"	15' 0"	13' 1"
550S125-27	33	12' 1"	11' 3"	10' 1"	17' 5"	16' 1"	14' 5"	10' 10"	10' 1"	9' 1"	15' 7"	14' 5"	12' 11"	8' 11"	8' 3"	7' 5"	12' 7"	11' 7"	10' 0" e
550S125-30	33	12' 5"	11' 6"	10' 4"	17' 11"	16' 8"	14' 11"	11' 2"	10' 4"	9' 4"	16' 2"	14' 11"	13' 4"	9' 2"	8' 6"	7' 8"	13' 0"	12' 1"	10' 7" e
550S125-33	33	12' 10"	11' 11"	10' 8"	18' 5"	17' 1"	15' 5"	11' 6"	10' 8"	9' 7"	16' 7"	15' 5"	13' 10"	9' 5"	8' 9"	7' 10"	13' 6"	12' 6"	11' 1"
550S125-43	33	14' 1"	13' 0"	11' 8"	20' 0"	18' 6"	16' 7"	12' 7"	11' 8"	10' 5"	17' 11"	16' 7"	14' 11"	10' 2"	9' 5"	8' 5"	14' 7"	13' 6"	12' 2"
550S137-27	33	13' 8"	12' 8"	11' 5"	19' 9"	18' 4"	16' 7"	12' 3"	11' 5"	10' 3"	17' 10"	16' 7"	14' 11"	11' 1"	9' 4"	8' 5" e	14' 8"	13' 7" e	11' 11" e
550S137-30	33	14' 0"	13' 0"	11' 9"	20' 3"	18' 10"	17' 0"	12' 7"	11' 9"	10' 7"	18' 3"	17' 0"	15' 4"	10' 4"	9' 7"	8' 8"	15' 0"	13' 11"	12' 4" e
550S137-33	33	14' 6"	13' 5"	12' 1"	20' 10"	19' 4"	17' 5"	13' 0"	12' 1"	10' 10"	18' 9"	17' 5"	15' 9"	10' 7"	9' 10"	8' 11"	15' 5"	14' 4"	12' 9" e
550S137-43	33	15' 10"	14' 8"	13' 1"	22' 6"	20' 10"	18' 9"	14' 2"	13' 1"	11' 9"	20' 3"	18' 9"	16' 10"	11' 6"	10' 8"	9' 7"	16' 6"	15' 4"	13' 9"
550S162-33	33	16' 6"	15' 3"	13' 9"	23' 9"	22' 1"	19' 11"	14' 10"	13' 9"	12' 4"	21' 5"	19' 11"	17' 11"	12' 1"	11' 3"	10' 2"	17' 7"	16' 2"	14' 3" e
550S162-43	33	18' 0"	16' 7"	14' 11"	25' 8"	23' 9"	21' 4"	16' 1"	14' 11"	13' 4"	23' 0"	21' 4"	19' 3"	13' 1"	12' 1"	10' 11"	18' 10"	17' 6"	15' 6"
600S125-27	33	12' 5"	11' 6"	10' 4"	17' 10"	16' 6"	14' 9"	11' 2"	10' 4"	9' 4"	16' 0"	14' 9"	13' 2"	9' 2"	8' 6"	7' 7" e	12' 11"	11' 11" e	10' 4" e
600S125-30	33	12' 9"	11' 10"	10' 8"	18' 5"	17' 1"	15' 3"	11' 6"	10' 8"	9' 7"	16' 6"	15' 3"	13' 8"	9' 5"	8' 8"	7' 10"	13' 4"	12' 4"	10' 11" e
600S125-33	33	13' 2"	12' 2"	10' 11"	18' 11"	17' 7"	15' 10"	11' 10"	10' 11"	9' 10"	17' 0"	15' 10"	14' 2"	9' 8"	8' 11"	8' 1"	13' 10"	12' 9"	11' 5" e
600S125-43	33	14' 5"	13' 4"	11' 11"	20' 6"	18' 11"	17' 0"	12' 11"	11' 11"	10' 8"	18' 4"	17' 0"	15' 3"	10' 5"	9' 8"	8' 8"	15' 0"	13' 11"	12' 6"
600S137-27	33	14' 0"	13' 0"	11' 8"	20' 2"	18' 8"	16' 9"	12' 7"	11' 8"	10' 6"	18' 1"	16' 9"	15' 0"	10' 4"	9' 7"	8' 7" e	14' 8"	13' 7" e	11' 10" e
600S137-30	33	14' 5"	13' 4"	12' 0"	20' 9"	19' 3"	17' 3"	12' 11"	12' 0"	10' 10"	18' 8"	17' 3"	15' 6"	10' 7"	9' 10"	8' 10"	15' 2"	14' 0"	12' 5" e
600S137-33	33	14' 10"	13' 9"	12' 4"	21' 5"	19' 10"	17' 10"	13' 4"	12' 4"	11' 2"	19' 3"	17' 10"	16' 0"	10' 11"	10' 1"	9' 1"	15' 8"	14' 6"	12' 11" e
600S137-43	33	16' 3"	15' 0"	13' 5"	23' 1"	21' 5"	19' 3"	14' 6"	13' 5"	12' 0"	20' 9"	19' 3"	17' 3"	11' 9"	10' 11"	9' 10"	16' 11"	15' 9"	14' 2" e
600S162-33	33	16' 11"	15' 8"	14' 1"	24' 5"	22' 8"	20' 5"	15' 2"	14' 1"	12' 8"	22' 0"	20' 5"	18' 5"	12' 5"	11' 6"	10' 5"	18' 0"	16' 9"	14' 9" e
600S162-43	33	18' 4"	17' 0"	15' 3"	26' 3"	24' 4"	21' 11"	16' 5"	15' 3"	13' 8"	23' 7"	21' 11"	19' 9"	13' 5"	12' 5"	11' 2"	19' 4"	17' 11"	16' 0"
800S125-33	33	14' 3"	13' 3"	11' 11"	20' 7"	19' 1"	17' 1"	12' 10"	11' 11"	10' 9"	18' 5"	17' 1"	15' 3"	10' 6"	9' 9"	8' 9" e	14' 11"	13' 9" e	12' 4" e
800S125-43	33	15' 7"	14' 4"	12' 11"	22' 2"	20' 7"	18' 6"	13' 11"	12' 11"	11' 7"	19' 11"	18' 6"	16' 8"	11' 4"	10' 6"	9' 5"	16' 3"	15' 1"	13' 6"
800S137-33	33	16' 1"	14' 11"	13' 5"	23' 2"	21' 6"	19' 3"	14' 6"	13' 5"	12' 1"	20' 9"	19' 3"	17' 3"	11' 10"	11' 0"	9' 10" e	16' 10"	15' 7" e	14' 0" e
800S137-43	33	17' 6"	16' 2"	14' 6"	25' 1"	23' 3"	20' 11"	15' 8"	14' 6"	13' 0"	22' 6"	20' 11"	18' 10"	12' 9"	11' 10"	10' 8"	18' 5"	17' 0"	15' 3"
800S162-33	33	18' 4"	17' 0"	15' 4"	26' 4"	24' 5"	21' 11"	16' 6"	15' 4"	13' 9"	23' 8"	21' 11"	19' 7" e	13' 6"	12' 6"	11' 2" e	19' 2" e	17' 9" e	15' 10" e
800S162-43	33	19' 10"	18' 5"	16' 6"	28' 6"	26' 6"	23' 10"	17' 10"	16' 6"	14' 10"	25' 8"	23' 10"	21' 5"	14' 6"	13' 6"	12' 2"	20' 11"	19' 4"	17' 4"

"e" web stiffeners required at supports.

See Ceiling Span Table Notes on page 96.

Ceiling Span Tables



Allowable Ceiling Spans - Deflection Limit L/120

Section	Fy, ksi	4 psf									6 psf									13 psf								
		Lateral Support of Compression Flange									Lateral Support of Compression Flange									Lateral Support of Compression Flange								
		Unsupported			Midspan			Unsupported			Midspan			Unsupported			Midspan											
		Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.											
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24						
162S125-18	33	7' 3"	6' 7"	5' 10"	9' 4"	8' 3"	6' 11"	6' 5"	5' 10"	5' 1"	7' 11"	6' 11"	5' 9"	5' 0"	4' 5"	3' 9"	5' 7"	4' 10"	3' 11"									
162S125-27	33	8' 7"	7' 11"	7' 1"	11' 7"	10' 5"	8' 10"	7' 8"	7' 1"	6' 3"	9' 11"	8' 10"	7' 5"	6' 1"	5' 6"	4' 9"	7' 2"	6' 3"	5' 2"									
162S125-30	33	9' 0"	8' 3"	7' 4"	12' 3"	11' 0"	9' 4"	8' 0"	7' 4"	6' 6"	10' 6"	9' 4"	7' 10"	6' 5"	5' 10"	5' 0"	7' 7"	6' 8"	5' 6"									
162S125-33	33	9' 5"	8' 8"	7' 8"	12' 11"	11' 8"	9' 11"	8' 4"	7' 8"	6' 10"	11' 2"	9' 11"	8' 4"	6' 8"	6' 1"	5' 4"	8' 1"	7' 1"	5' 11"									
162S137-27	33	9' 11"	9' 2"	8' 2"	12' 9"	11' 7"	10' 1"	8' 10"	8' 2"	7' 4"	11' 2"	10' 1"	8' 6"	7' 1"	6' 6"	5' 6"	8' 3"	7' 3"	5' 11"									
162S137-30	33	10' 3"	9' 6"	8' 6"	13' 2"	11' 11"	10' 5"	9' 2"	8' 6"	7' 7"	11' 6"	10' 5"	9' 0"	7' 4"	6' 9"	5' 10"	8' 9"	7' 8"	6' 3"									
162S137-33	33	10' 9"	9' 10"	8' 10"	13' 7"	12' 4"	10' 9"	9' 7"	8' 10"	7' 10"	11' 10"	10' 9"	9' 5"	7' 8"	7' 0"	6' 1"	9' 2"	8' 2"	6' 9"									
250S125-18	33	8' 5"	7' 9"	6' 11"	11' 7"	10' 7"	9' 1"	7' 6"	6' 11"	6' 2"	10' 2"	9' 1"	7' 9"	6' 0"	5' 6"	4' 10" e	7' 6"	6' 7" e	5' 6" e									
250S125-27	33	9' 8"	8' 11"	8' 0"	13' 8"	12' 7"	11' 0"	8' 8"	8' 0"	7' 2"	12' 2"	11' 0"	9' 6"	7' 0"	6' 6"	5' 9"	9' 2"	8' 2"	6' 10"									
250S125-30	33	10' 0"	9' 3"	8' 3"	14' 2"	13' 1"	11' 6"	9' 0"	8' 3"	7' 5"	12' 8"	11' 6"	9' 11"	7' 3"	6' 8"	6' 0"	9' 8"	8' 7"	7' 3"									
250S125-33	33	10' 5"	9' 8"	8' 7"	14' 8"	13' 6"	12' 1"	9' 4"	8' 7"	7' 8"	13' 1"	12' 1"	10' 6"	7' 6"	6' 11"	6' 2"	10' 2"	9' 1"	7' 8"									
250S125-43	33	11' 9"	10' 10"	9' 7"	16' 3"	15' 0"	13' 3"	10' 5"	9' 7"	8' 6"	14' 6"	13' 3"	11' 8"	8' 4"	7' 8"	6' 10"	11' 4"	10' 3"	8' 9"									
250S137-27	33	11' 0"	10' 2"	9' 1"	15' 9"	14' 6"	12' 9"	9' 10"	9' 1"	8' 2"	14' 0"	12' 9"	10' 10"	8' 0"	7' 5"	6' 8"	10' 6"	9' 3"	7' 9"									
250S137-30	33	11' 4"	10' 6"	9' 5"	16' 3"	15' 0"	13' 2"	10' 2"	9' 5"	8' 5"	14' 6"	13' 2"	11' 5"	8' 3"	7' 8"	6' 10"	11' 0"	9' 10"	8' 2"									
250S137-33	33	11' 10"	10' 11"	9' 9"	16' 9"	15' 6"	13' 8"	10' 7"	9' 9"	8' 9"	14' 11"	13' 8"	11' 11"	8' 6"	7' 11"	7' 1"	11' 6"	10' 3"	8' 8"									
250S137-43	33	13' 2"	12' 2"	10' 9"	18' 5"	16' 11"	15' 0"	11' 9"	10' 9"	9' 7"	16' 5"	15' 0"	13' 1"	9' 5"	8' 8"	7' 9"	12' 9"	11' 5"	9' 9"									
250S162-33	33	13' 6"	12' 5"	11' 2"	19' 2"	17' 7"	15' 4"	12' 1"	11' 2"	10' 0"	16' 11"	15' 4"	13' 2"	9' 9"	9' 1"	8' 0"	12' 9"	11' 3"	9' 5"									
250S162-43	33	14' 11"	13' 9"	12' 3"	20' 11"	19' 3"	16' 11"	13' 4"	12' 3"	10' 11"	18' 7"	16' 11"	14' 7"	10' 8"	9' 10"	8' 10"	14' 2"	12' 8"	10' 9"									
350S125-18	33	9' 2"	8' 6"	7' 6"	12' 6"	11' 5"	9' 11"	8' 3"	7' 6"	6' 8"	11' 0"	9' 11"	8' 5" e	6' 6"	5' 11" e	5' 3" e	8' 2" e	7' 2" e	6' 0" e									
350S125-27	33	10' 6"	9' 9"	8' 9"	14' 11"	13' 9"	12' 3"	9' 5"	8' 9"	7' 9"	13' 4"	12' 3"	10' 8"	7' 7"	7' 0"	6' 4"	10' 4"	9' 3"	7' 10"									
350S125-30	33	10' 11"	10' 1"	9' 0"	15' 5"	14' 2"	12' 9"	9' 9"	9' 0"	8' 1"	13' 9"	12' 9"	11' 3"	7' 11"	7' 3"	6' 6"	10' 11"	9' 9"	8' 4"									
350S125-33	33	11' 4"	10' 5"	9' 4"	16' 0"	14' 9"	13' 2"	10' 1"	9' 4"	8' 4"	14' 3"	13' 2"	11' 9"	8' 2"	7' 7"	6' 9"	11' 6"	10' 5"	8' 10"									
350S125-43	33	12' 7"	11' 7"	10' 3"	17' 7"	16' 2"	14' 6"	11' 2"	10' 3"	9' 2"	15' 8"	14' 6"	12' 11"	9' 0"	8' 3"	7' 5"	12' 7"	11' 6"	10' 1"									
350S137-27	33	11' 11"	11' 0"	9' 11"	17' 0"	15' 9"	14' 1"	10' 8"	9' 11"	8' 10"	15' 3"	14' 1"	12' 4"	8' 8"	8' 1"	7' 3"	12' 0"	10' 7"	8' 11" e									
350S137-30	33	12' 4"	11' 5"	10' 2"	17' 6"	16' 3"	14' 7"	11' 0"	10' 2"	9' 2"	15' 9"	14' 7"	12' 10"	8' 11"	8' 4"	7' 5"	12' 6"	11' 3"	9' 6"									
350S137-33	33	12' 9"	11' 9"	10' 7"	18' 2"	16' 9"	15' 1"	11' 5"	10' 7"	9' 6"	16' 3"	15' 1"	13' 4"	9' 3"	8' 7"	7' 8"	13' 0"	11' 9"	10' 0"									
350S137-43	33	14' 1"	13' 0"	11' 7"	19' 10"	18' 4"	16' 5"	12' 7"	11' 7"	10' 4"	17' 9"	16' 5"	14' 8"	10' 1"	9' 4"	8' 4"	14' 3"	13' 0"	11' 3"									
350S162-33	33	14' 6"	13' 5"	12' 0"	20' 9"	19' 2"	17' 1"	13' 0"	12' 0"	10' 10"	18' 7"	17' 1"	15' 0"	10' 7"	9' 10"	8' 10"	14' 7"	13' 1"	11' 0"									
350S162-43	33	16' 0"	14' 9"	13' 2"	22' 7"	20' 11"	18' 8"	14' 3"	13' 2"	11' 9"	20' 3"	18' 8"	16' 6"	11' 6"	10' 8"	9' 7"	16' 1"	14' 7"	12' 6"									
362S125-18	33	9' 3"	8' 7"	7' 7"	12' 8"	11' 7"	10' 0"	8' 3"	7' 7"	6' 9"	11' 2"	10' 0"	8' 7" e	6' 7"	6' 0" e	5' 4" e	8' 3" e	7' 4" e	6' 1" e									
362S125-27	33	10' 8"	9' 10"	8' 10"	15' 0"	13' 11"	12' 4"	9' 6"	8' 10"	7' 10"	13' 5"	12' 4"	10' 9"	7' 8"	7' 1"	6' 4"	10' 6"	9' 4"	7' 11"									
362S125-30	33	11' 0"	10' 2"	9' 1"	15' 6"	14' 4"	12' 10"	9' 10"	9' 1"	8' 2"	13' 11"	12' 10"	11' 4"	8' 0"	7' 4"	6' 7"	11' 1"	9' 11"	8' 5"									
362S125-33	33	11' 5"	10' 6"	9' 5"	16' 2"	14' 10"	13' 3"	10' 2"	9' 5"	8' 5"	14' 5"	13' 3"	11' 10"	8' 3"	7' 8"	6' 10"	11' 7"	10' 6"	9' 0"									
362S125-43	33	12' 8"	11' 8"	10' 4"	17' 9"	16' 4"	14' 8"	11' 3"	10' 4"	9' 3"	15' 10"	14' 8"	13' 1"	9' 1"	8' 4"	7' 6"	12' 9"	11' 8"	10' 2"									
362S137-27	33	12' 0"	11' 1"	10' 0"	17' 2"	15' 11"	14' 3"	10' 9"	10' 0"	8' 11"	15' 5"	14' 3"	12' 6"	8' 9"	8' 1"	7' 4"	12' 2"	10' 9"	9' 1" e									
362S137-30	33	12' 5"	11' 6"	10' 4"	17' 8"	16' 5"	14' 8"	11' 2"	10' 4"	9' 3"	15' 11"	14' 8"	13' 0"	9' 0"	8' 4"	7' 6"	12' 8"	11' 5"	9' 8"									
362S137-33	33	12' 10"	11' 11"	10' 8"	18' 3"	16' 11"	15' 2"	11' 6"	10' 8"	9' 7"	16' 5"	15' 2"	13' 6"	9' 4"	8' 8"	7' 9"	13' 2"	11' 11"	10' 2"									
362S137-43	33	14' 3"	13' 1"	11' 8"	20' 0"	18' 6"	16' 7"	12' 8"	11' 8"	10' 5"	17' 11"	16' 7"	14' 9"	10' 3"	9' 5"	8' 5"	14' 5"	13' 2"	11' 5"									
362S162-33	33	14' 8"	13' 7"	12' 2"	20' 11"	19' 4"	17' 4"	13' 2"	12' 2"	10' 11"	18' 9"	17' 4"	15' 2"	10' 8"	9' 11"	8' 10"	14' 9"	13' 3"	11' 3"									
362S162-43	33	16' 1"	14' 10"	13' 3"	22' 10"	21' 1"	18' 10"	14' 5"	13' 3"	11' 11"	20' 5"	18' 10"	16' 9"	11' 8"	10' 9"	9' 8"	16' 4"	14' 9"	12' 8"									
400S125-18	33	9' 6"	8' 9"	7' 10"	13' 0"	11' 11"	10' 5"	8' 6"	7' 10"	6' 11"	11' 6"	10' 5"	8' 11" e	6' 9"	6' 2" e	5' 6" e	8' 8" e	7' 8" e	6' 5" e									
400S125-27	33	10' 11"	10' 1"	9' 0"	15' 5"	14' 3"	12' 9"	9' 9"	9' 0"	8' 1"	13' 10"	12' 9"	11' 2"	7' 11"	7' 4"	6' 6"	10' 10"	9' 9"	8' 4"									
400S125-30	33	11' 3"	10' 5"	9' 4"	15' 11"	14' 9"	13' 2"	10' 1"	9' 4"	8' 4"	14' 3"	13' 2"	11' 9"	8' 2"	7' 7"	6' 9"	11' 5"	10' 4"	8' 10"									
400S125-33	33	11' 9"	10' 10"	9' 8"	16' 7"	15' 3"	13' 8"	10' 6"	9' 8"	8' 8"	14' 9"	13' 8"	12' 3"	8' 6"	7' 10"	7' 0"	11' 11"	10' 11"	9' 5"									
400S125-43	33	13' 0"	11' 11"	10' 8"	18' 2"	16' 9"	15' 0"	11' 7"	10' 8"	9' 6"	16' 3"	15' 0"	13' 5"	9' 4"	8' 7"	7' 8"	13' 1"	12' 1"	10' 7"									
400S137-27	33	12' 4"	11' 5"	10' 3"	17' 7"	16' 4"	14' 8"	11' 1"	10' 3"	9' 2"	15' 10"	14' 8"	13' 0"	9' 0"	8' 4"	7' 6"	12' 7"	11' 3"	9' 6" e									
400S137-30	33	12' 9"	11' 9"	10' 7"	18' 2"	16' 10"	15' 1"	11' 5"	10' 7"	9' 6"	16' 3"	15' 1"	13' 5"	9' 3"	8' 7"	7' 8"	13' 1"	11' 10"	10' 1"									
400S137-33	33	13' 3"	12' 2"	10' 11"	18' 9"	17' 4"	15' 7"	11' 10"	10' 11"	9' 9"	16' 10"	15' 7"	13' 11"	9' 7"	8' 10"	7' 11"	13' 7"	12' 4"	10' 8"									
400S137-43	33	14' 7"	13' 5"	12' 0"	20' 6"	18' 11"	17' 0"	13' 0"	12' 0"	10' 9"	18' 4"	17' 0"	15' 2"	10' 6"	9' 8"	8' 8"	14' 10"	13' 7"	11' 11"									
400S162-33	33	15' 0"	13' 11"	12' 5"	21' 5"	19' 10"	17' 9"	13' 5"	12' 5"	11' 2"	19' 3"	17' 9"	15' 9"	10' 11"	10' 2"	9' 1"	15' 4"	13' 10"	11' 9"									
400S162-43	33	16' 6"	15' 3"	13' 8"	23' 4"	21' 7"	19' 4"	14' 9"	13' 8"	12' 2"	20' 11"	19' 4"	17' 3"	11' 11"	11' 0"	9' 11"	16' 10"	15' 4"	13' 3"									
550S125-27	33	12' 1"	11' 3"	10' 1"	17' 5"	16' 1"	14' 5"	10' 10"	10' 1"	9' 1"	15' 7"	14' 5"	12' 11"	8' 11"	8' 3"	7' 5"	12' 7"	11' 7"	10' 0" e									
550S125-30	33	12' 5"	11' 6"	10' 4"	17' 11"	16' 8"	14' 11"	11' 2"	10' 4"	9' 4"	16' 2"	14' 11"	13' 4"	9' 2"	8' 6"	7' 8"	13' 0"	12' 1"	10' 7" e									
550S125-33	33	12' 10"	11' 11"	10' 8"	18' 5"	17' 1"	15' 5"	11' 6"	10' 8"	9' 7"	16' 7"	15' 5"	13' 10"	9' 5"	8' 9"	7' 10"	13' 6"	12' 6"	11' 1"									
550S125-43	33	14' 1"	13' 0"	11' 8"	20' 0"	18' 6"	16' 7"	12' 7"	11' 8"	10' 5"	17' 11"	16' 7"	14' 11"	10' 2"	9' 5"	8' 5"	14' 7"	13' 6"	12' 2"									
550S137-27	33	13' 8"	12' 8"	11' 5"	19' 9"	18' 4"	16' 7"	12' 3"	11' 5"	10' 3"	17' 10"	16' 7"	14' 11"	10' 1"	9' 4"	8' 5" e	14' 8"	13' 7" e	11' 11" e									
550S137-30	33	14' 0"	13' 0"	11' 9"	20' 3"	18' 10"	17' 0"	12' 7"	11' 9"	10' 7"	18' 3"	17' 0"	15' 4"	10' 4"	9' 7"	8' 8"	15' 0"	13' 11"	12' 4" e									
550S137-33	33	14' 6"	13' 5"	12' 1"	20' 10"	19' 4"																						

Ceiling Span Tables



Allowable Ceiling Spans - Deflection Limit L/120

Section	Fy, ksi	4 psf						6 psf						13 psf					
		Lateral Support of Compression Flange						Lateral Support of Compression Flange						Lateral Support of Compression Flange					
		Unsupported			Midspan			Unsupported			Midspan			Unsupported			Midspan		
		Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
550S162-33	33	16' 6"	15' 3"	13' 9"	23' 9"	22' 1"	19' 11"	14' 10"	13' 9"	12' 4"	21' 5"	19' 11"	17' 11"	12' 1"	11' 3"	10' 2"	17' 7"	16' 2"	14' 3" e
550S162-43	33	18' 0"	16' 7"	14' 11"	25' 8"	23' 9"	21' 4"	16' 1"	14' 11"	13' 4"	23' 0"	21' 4"	19' 3"	13' 1"	12' 1"	10' 11"	18' 10"	17' 6"	15' 6"
600S125-27	33	12' 5"	11' 6"	10' 4"	17' 10"	16' 6"	14' 9"	11' 2"	10' 4"	9' 4"	16' 0"	14' 9"	13' 2"	9' 2"	8' 6"	7' 7" e	12' 11"	11' 11" e	10' 4" e
600S125-30	33	12' 9"	11' 10"	10' 8"	18' 5"	17' 1"	15' 3"	11' 6"	10' 8"	9' 7"	16' 6"	15' 3"	13' 8"	9' 5"	8' 8"	7' 10"	13' 4"	12' 4"	10' 11" e
600S125-33	33	13' 2"	12' 2"	10' 11"	18' 11"	17' 7"	15' 10"	11' 10"	10' 11"	9' 10"	17' 0"	15' 10"	14' 2"	9' 8"	8' 11"	8' 1"	13' 10"	12' 9"	11' 5"
600S125-43	33	14' 5"	13' 4"	11' 11"	20' 6"	18' 11"	17' 0"	12' 11"	11' 11"	10' 8"	18' 4"	17' 0"	15' 3"	10' 5"	9' 8"	8' 8"	15' 0"	13' 11"	12' 6"
600S137-27	33	14' 0"	13' 0"	11' 8"	20' 2"	18' 8"	16' 9"	12' 7"	11' 8"	10' 6"	18' 1"	16' 9"	15' 0"	10' 4"	9' 7"	8' 7" e	14' 8"	13' 7" e	11' 10" e
600S137-30	33	14' 5"	13' 4"	12' 0"	20' 9"	19' 3"	17' 3"	12' 11"	12' 0"	10' 10"	18' 8"	17' 3"	15' 6"	10' 7"	9' 10"	8' 10"	15' 2"	14' 0"	12' 5" e
600S137-33	33	14' 10"	13' 9"	12' 4"	21' 5"	19' 10"	17' 10"	13' 4"	12' 4"	11' 2"	19' 3"	17' 10"	16' 0"	10' 11"	10' 1"	9' 1"	15' 8"	14' 6"	12' 11" e
600S137-43	33	16' 3"	15' 0"	13' 5"	23' 1"	21' 5"	19' 3"	14' 6"	13' 5"	12' 0"	20' 9"	19' 3"	17' 3"	11' 9"	10' 11"	9' 10"	16' 11"	15' 9"	14' 2"
600S162-33	33	16' 11"	15' 8"	14' 1"	24' 5"	22' 8"	20' 5"	15' 2"	14' 1"	12' 8"	22' 0"	20' 5"	18' 5"	12' 5"	11' 6"	10' 5"	18' 0"	16' 9"	14' 9" e
600S162-43	33	18' 4"	17' 0"	15' 3"	26' 3"	24' 4"	21' 11"	16' 5"	15' 3"	13' 8"	23' 7"	21' 11"	19' 9"	13' 5"	12' 5"	11' 2"	19' 4"	17' 11"	16' 0"
800S125-33	33	14' 3"	13' 3"	11' 11"	20' 7"	19' 1"	17' 1"	12' 10"	11' 11"	10' 9"	18' 5"	17' 1"	15' 3"	10' 6"	9' 9"	8' 9" e	14' 11"	13' 9" e	12' 4" e
800S125-43	33	15' 7"	14' 4"	12' 11"	22' 2"	20' 7"	18' 6"	13' 11"	12' 11"	11' 7"	19' 11"	18' 6"	16' 8"	11' 4"	10' 6"	9' 5"	16' 3"	15' 1"	13' 6"
800S137-33	33	16' 1"	14' 11"	13' 5"	23' 2"	21' 6"	19' 3"	14' 6"	13' 5"	12' 1"	20' 9"	19' 3"	17' 3"	11' 10"	11' 0"	9' 10" e	16' 10"	15' 7" e	14' 0" e
800S137-43	33	17' 6"	16' 2"	14' 6"	25' 1"	23' 3"	20' 11"	15' 8"	14' 6"	13' 0"	22' 6"	20' 11"	18' 10"	12' 9"	11' 10"	10' 8"	18' 5"	17' 0"	15' 3"
800S162-33	33	18' 4"	17' 0"	15' 4"	26' 4"	24' 5"	21' 11"	16' 6"	15' 4"	13' 9"	23' 8"	21' 11"	19' 7" e	13' 6"	12' 6"	11' 2" e	19' 2" e	17' 9" e	15' 10" e
800S162-43	33	19' 10"	18' 5"	16' 6"	28' 6"	26' 6"	23' 10"	17' 10"	16' 6"	14' 10"	25' 8"	23' 10"	21' 5"	14' 6"	13' 6"	12' 2"	20' 11"	19' 4"	17' 4"

"e" web stiffeners required at supports.

See Ceiling Span Table Notes on page 96.

