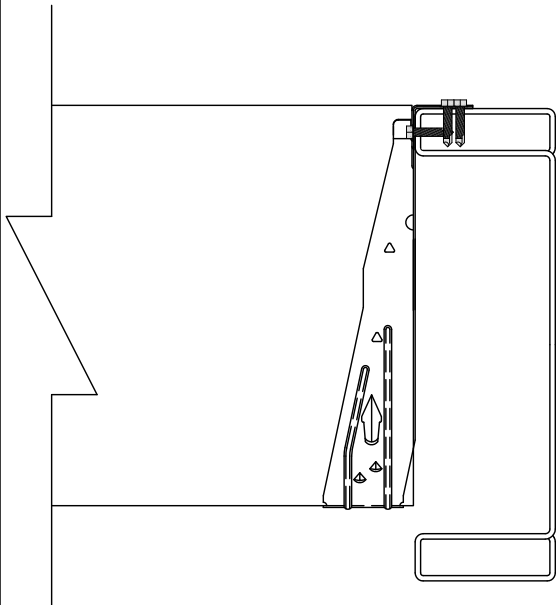


Maximum LSB Load Per Hanger



850 lbs

1400LSB350-134

1200LSB350-134

700 lbs

1400LSB350-118

1200LSB350-118

1000LSB300-118

550 lbs

1400LSB350-098

1200LSB350-098

1000LSB300-098

800LSB250-098

NOTES

Maximum loads are based on the following:

- 1) Use ITT or ITS joist hangers or equivalent
- 2) 2-#12 ITW Buildex TEK screws on face and 4-#12 ITW Buildex TEK screws on top
- 3) Suggested loads are based on LSB capacity with joists spaced 16" O.C. or less and LSB web stiffeners installed every 10'
- 4) 850 lb load is based on testing using a safety factor of 3.0 of ultimate and a deflection capacity of $L/360$
- 5) 700 lb and 550 lb loads are scaled loads based on section properties
- 6) It is not recommended to load flanges of smaller beams without using wood blocking at hangers.

LITESteel
technologies

Description:
Flange-Toe Loading Capacity

100 Smorgon Way
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Troutville, VA 24175
www.litesteelbeam.com

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Toll Free: 877-285-2607
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Drawing: 09-029

Dwg Date: 7/27/2009

Rev:

Rev Date:

Drawn By: Newland

Eng: Moses

Mkg: Foxx

LSB
LiteSteelbeam

TEK Screw Table - Steel to LSB

Allowable Loads per Screw (lbs)

Tension	Design	Thickness of Attachment						
		134	118	98	79	59	45	35
	Minimum	127	112	93	75	56	43	33
	Gage	10	11	12	14	16	18	20
Screw	LSB Gage							
1/4	-134	615				505	395	
	-118	540						
	-098	450						
	-079	365						
	-059	270						
#12	-134	515			380	295		
	-118	455						
	-098	380						
	-079	305						
	-059	225						
#10	-134	470			380	295		
	-118	410						
	-098	340						
	-079	275						
	-059	205						

Shear	Design	Thickness of Attachment							
		134	118	98	79	59	45	35	
	Minimum	127	112	93	75	56	43	33	
	Gage	10	11	12	14	16	18	20	
Screw	LSB Gage								
1/4	-134	860				455		355	
	-118								
	-098								
	-079								
	-059								
#12	-134	665				380		300	
	-118								
	-098								
	-079								
	-059								
#10	-134	465				345		270	
	-118								
	-098								
	-079								
	-059								

NOTES:

1. The maximum load is not to exceed the capacity of the LSB, attachment, or screws.
2. Allowable load values shown are the minimum values based on 2007 AISI NAS for both the connector and the connected material using Buildex TEK screws. Buildex TEK ultimate values can be found in the ITW Buildex 2009 Product Catalog.
3. Values for LSB and hangers 16 ga and thicker are based on members with a minimum yield strength of $F_y = 50\text{ksi}$ and tensile strength of $F_u = 65\text{ksi}$. For hangers or attachments with thickness of 18 ga and thinner values are based on members with a minimum yield strength of $F_y = 33\text{ksi}$ and tensile strength $F_u = 45\text{ksi}$.
4. A minimum of three threads must penetrate each member.



Description:
Screw Chart - Steel to LSB

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Drawing: Attch. 1
Dwg Date: 9/16/2009

Rev: _____
Rev Date: _____

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Mkg: Foxx

