



	Description: Hanger with Blocking										
	100 Smorgon Way P.O. Box 577 Troutville, VA 24175 www.litesteelbeam.com	Office: 540-992-1600 Toll Free: 877-285-2607 Fax: 540-992-5998	Drawing: 09-020	Dwg Date: 5/6/2009	Rev: _____	Rev Date: _____	Drawn By: Newland	Eng: Moses	Mkg: Foxx		

TEK Screw Table - Steel to LSB

Allowable Loads per Screw (lbs)

Tension			Thickness of Attachment						
			134	118	98	79	59	45	35
	Design	127	112	93	75	56	43	33	
	Minimum 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			Thickness of Attachment						
			134	118	98	79	59	45	35
	Design	127	112	93	75	56	43	33	
	Minimum Gage	10	11	12	14	16	18	20	
Screw		LSB Gage							
1/4	-134	860					455	355	
	-118								
	-098								
	-079								
	-059	650							
#12	-134	665				380	300		
	-118								
	-098								
	-079								
	-059	600							
#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.