

Technical Load Test Data • Main Beam									
Item No.	Flange Width (in.)	Length (in.)	Profile Height (in.)	Simple Span (lbs/lf)					
				4'		3'		2'	
				L/240	L/360	L/240	L/360	L/240	L/360
HD8901	15/16"	144"	1-1/2"	24.75	16.5	46.3	31.4	123.2	80.1
HD8906	1-1/2"	144"	1-11/16"	28.14	18.76	57.3	35.8	143.0	95.5
HD8906F08*	1-1/2"	144"	1-11/16"	18.4	12.3	—	—	—	—
HD8906F16*	1-1/2"	144"	1-11/16"	18.4	12.3	—	—	—	—

* Tested flat per ASTM C 635 with RC2 clips at each knockout location.

Load data shown is based on vertical deflection limits of L/360 and L/240. Allowable vertical deflection as a load is applied based on L/360 is less vs L/240. (Therefore listed loads are lower when reported as L/360.) Wire sizing and spacing for the suspension system should be based on the imposed load of the ceiling, ASTM standards, local codes and practices. See standards for additional information.

Cross Tees

Technical Load Test Data • Cross Tees											
Item No.	Flange Width (in.)	Length (in.)	Profile Height (in.)	Simple Span (lbs/IF)							
				50"		4'		3'		2'	
				L/240	L/360	L/240	L/360	L/240	L/360	L/240	L/360
XL8947P	1-1/2"	50"*	1-1/2"	19.5	13.0						
XL8945P	1-1/2"	48"	1-1/2"			22.5	15.0				
XL8341/XL7341	15/16"	48"	1-11/16"			24.8	16.5				
XL7936G90	1-1/2"	36"	1-1/2"					49.9	33.3		
XL8925	1-1/2"	26"*	1-1/2"							117.0	98.0
XL8926	1-1/2"	24"	1-1/2"							158.0	129.0
XL7918	1-1/2"	14"*	1-1/2"							107.0	71.5

NOTE: Allowable loads tested per ASTM C 635 for deflection limited to L/360 and complies with ASTM C 645 for deflection limited to L/240. See standards for additional information.

* Dimension is nominal.

Membrane Load Values for Drywall Systems

Component Combinations		Maximum Load in lbs./ft. ² at Hanger Wire/Cross Tee Spacing					
		48" / 24"		48" / 16"		36" / 16"	
Main	Tee	L/240	L/360	L/240	L/360	L/240	L/360
HD8906	- XL8947P	6.78	4.52	6.78	4.52	14.93	9.95
HD8901	- XL8947P	5.97	3.98	5.97	3.98	9.78	6.51
HD8906	- XL8945P	7.03	4.69	7.03	4.69	16.32	10.88
HD8901	- XL8945P	6.18	4.12	6.18	4.12	13.05	8.70
HD8906	- XL7936 G90					21.77	14.51
HD8901	- XL7936 G90					21.77	14.51
HD8906	- XL8926					26.13	21.77