6612 Snowdrift Road | Allentown, PA 18106 | 610.395.8445

ISOLEREN TECHNICAL BULLETIN: CEILING TEE ALLOWABLE LOADS

PRODUCT:

Aluminum Tee Ceiling Support
Description: 4x 2 Extruded Structural Tee
Material: 6061-T6 Aluminum Alloy
Length: 16 ft.
Factory Modifications: pre-punched holes

Isoleren Insulated Metal Wall Panels
Isoleren Profiles: ML, SL, WL, IM
Width: 42-inch or narrower
Thickness: 2, 2.5, 3, 4, 5, 6-inch
Gauge: 26-gauge or heavier (facer and liner)
Finish: Embossed or Smooth

ALLOWABLE LOADS (PSF):

Panel Thickness (in.)	Tee Span (Rod Spacing, ft.)	Panel Span (ft.)								
		8	9	10	11	12	13	14	15	16
3	4	40.82	36.02	32.19	29.05	26.44	24.23	17.77		
	5	32.19	28.36	25.29	22.78	20.69	18.92	17.40		
	6	24.14	21.20	18.85	16.93	15.32	13.97	12.80		
	7	16.70	14.59	12.90	11.52	10.36				
4	4	40.61	35.81	31.98	28.84	26.23	24.02	22.12	20.48	19.04
	5	31.98	28.15	25.08	22.57	20.48	18.71	17.19	15.88	14.73
	6	23.93	20.99	18.64	16.72	15.11	13.76	12.59	11.59	10.70
	7	16.49	14.38	12.69	11.31	10.15				
5	4	40.40	35.60	31.77	28.63	26.02	23.81	21.91	20.27	18.83
	5	31.77	27.94	24.87	22.36	20.27	18.50	16.98	15.67	14.52
	6	23.72	20.78	18.43	16.51	14.90	13.55	12.38	11.38	10.49
	7	16.28	14.17	12.48	11.10					
6	4	40.19	35.39	31.56	28.42	25.81	23.60	21.70	20.06	18.62
	5	31.56	27.73	24.66	22.15	20.06	18.29	16.77	15.46	14.31
	6	23.51	20.57	18.22	16.30	14.69	13.34	12.17	11.17	10.28
	7	16.07	13.96	12.27	10.89					

NOTES:

1. The above load table corresponds to a ceiling supported with pre-punched aluminum tees supplied by ATAS International, Inc.
2. Allowable loads are for uniform span lengths.
3. The above loads consider the panel self-weight.
4. Above load table does not consider thermal effects.
5. Allowable loads reflect a deflection limit of L/180.
6. Maximum allowable tee cantilever is 2'-6".
7. The ceiling support structure must be analyzed by a professional engineer to resist the imposed ceiling loads.
8. Above loads are null and void if the aluminum tee is not installed per the manufacturer's instructions or is modified in any way, including but not limited to, cutting, drilling, notching, coping, etc.
9. Any installation utilizing accessories other than those provided by ATAS International, Inc. shall nullify the above table.
10. Table values consider the structural capacity of the panel assembly, aluminum tee, and the rod-end connection to the tee. All other accessories, including but not limited to hanger rods, couplings, etc. and their connections must be designed separately.
11. The aluminum tee analysis was performed in accordance with the 2015 Aluminum Design Manual.

09/01/2017 V2.0 – P030115