DM40/DM44: AL-01 TEE

DM40/DM44 Allowable Load Table (psf) for AL-01 Tee

Panel Thickness	Panel Weight	Rod Spacing	Single Span Condition				
			10 psf	15 psf	20 psf	25 psf	30 psf
3"	2.41 psf	4'-0"	16'-5"	14'-2"	12'-7"	11′-5″	10'-5″
		4'-6"	16'-5"	14'-2"	12'-7"	11'-5"	10'-5"
		5'-0"	16'-5"	14'-2"	12'-7"	10'-10"	9'-2"
		5'-6"	16'-5"	14'-1"	10'-11"	8'-11"	7'-7"
		6'-0"	16'-5"	11'-10"	9'-2"	7'-6"	6'-4"
		6'-6"	14'-1"	10'-1"	7'-10"	6'-4"	5'-5"
		7'-0"	12'-2"	8'-8"	6'-9"	5'-6"	4'-8"
4"		4'-0"	20'-0"	17'-4"	15'-5"	14'-0"	12'-8"
		4'-6"	20'-0"	17'-4"	15'-5"	13'-4"	11'-3"
	2.62 psf	5'-0"	20'-0"	16'-11"	13'-2"	10'-9"	9'-1"
		5'-6"	19'-6"	13'-11"	10'-10"	8'-10"	7'-6"
		6'-0"	16'-4"	11'-8″	9'-1"	7'-5"	6'-3"
		6'-6"	13'-11"	9'-11"	7'-9"	6'-4"	5'-4"
		7'-0"	11'-11″	8'-7"	6'-8"	5'-5"	4'-7"
5"	2.82 psf	4'-0"	23'-3"	20'-2"	18'-1"	14'-10"	12'-7"
		4'-6"	23'-3"	20'-2"	16'-1"	13'-2"	11'-2"
		5'-0"	23'-3"	16'-8"	13'-0"	10'-8"	9'-1"
		5'-6"	19'-2"	13'-9"	10'-9"	8'-10"	7'-6″
		6'-0"	16'-1"	11'-7"	9'-0"	7'-5"	6'-3"
		6'-6"	13'-8"	9'-10"	7'-8"	6'-3"	5'-4"
		7'-0"	11'-9"	8'-5"	6'-7"	5'-5"	4'-7"
6"	2.98 psf	4'-0"	26'-3"	22'-11"	18'-0"	14'-9"	12'-6"
		4'-6"	26'-3"	20'-6"	16'-O''	13'-2"	11'-2"
		5'-0"	22'-11"	16'-7"	12'-11"	10'-7"	9'-0"
		5'-6"	18'-11"	13'-8"	10'-8"	8'-9"	7'-5"
		6'-0"	15'-10"	11'-5"	8'-11"	7'-4"	6'-3"
		6'-6"	13'-6"	9'-9"	7'-7"	6'-3"	5'-3"
		7'-0"	11'-7"	8'-4"	6'-7"	5'-4"	4'-7"
8"		4'-0"	31'-1"	22'-7"	17'-9"	14'-7"	12'-5"
		4'-6"					12-5
	3.31 psf		27'-8"	20'-1" 16'-3"	15'-9"	13'-0"	8'-11"
		5'-0"	22'-4"		12'-9"	10'-6"	
		5'-6"	18'-5"	13'-5"	10'-6"	8'-8"	7'-4"
		6'-0"	15'-6"	11'-3"	8'-10"	7'-3"	6'-2"
		6'-6"	13'-2"	9'-7"	7'-6"	6'-2"	5'-3"
		7'-0"	11'-4"	8'-3"	6'-5"	5'-4"	4'-6"

See notes on page 2.

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Notes:

- 1. Allowable loads are live loads only. Self Weight of panels and aluminum tees have been taken into consideration.
- 2. Table is based on values derived from transverse load testing per ASTM E72 and strength of ceiling tee.
- 3. Panel properties are based on 26 gauge exterior and 26 gauge interior facings. Inquire about other gauges.
- 4. The Deflection Limit is L/180.
- 5. Safety Factor = 2.5 for buckling, 3.0 for core shear, 3.0 for hangar rod connection to tee.
- 6. The aluminum tee was designed in accordance with the 2015 Aluminum Design Manual.
- 7. Table applicable for ambient, controlled environment and cold storage applications. Inquire about hot rooms.
- 8. The strength of the hangar rods and its connection to the ceiling support structure must be engineered by a licensed engineering professional.
- 9. Collateral Loads must be directly supported by the building framing and not by the ceiling panels.
- 10. Consult your AWIP representative for project specific calculations.
- 11. Load tables are subject to change without notice visit www.awipanels.com for the latest information.



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