IP44 AL-01 Tee Ceiling

AWIP ALLOWABLE LOAD TABLE

IP44 Allowable Load Table (psf) for AL-01 Tee

Exterior/Interior Profile	Panel Thickness	Panel Weight	Rod Spacing	Uniform Load				
				10 psf	15 psf	20 psf	25 psf	30 psf
Mesa/Mesa Or Mesa/Flat	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"	2.62 psf	4'-0"	20'-0"	17'-4"	15'-5"	14'-0"	12'-8"
			4'-6"	20'-0"	17'-4"	15'-5"	13'-4"	11'-3"
			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'-0"	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"	3.31 psf	4'-0"	31'-1"	22'-7"	17'-9"	14'-7"	12'-5"
			4'-6"	27'-8"	20'-1"	15'-9"	13'-0"	11'-0"
			5'-0"	22'-4"	16'-3"	12'-9"	10'-6"	8'-11"
			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 3.

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IP44 Allowable Load Table (psf) for AL-01 Tee

Exterior/Interior Profile	Panel Thickness	Panel Weight	Rod Spacing	Uniform Load				
				10 psf	15 psf	20 psf	25 psf	30 psf
Flat/Flat Or Flat/Mesa	3"	2.41 psf	4'-0"	15'-10"	13'-6"	11'-11"	10'-8"	9'-9"
			4'-6"	15'-10"	13'-6"	11'-11"	10'-8"	9'-9"
			5'-0"	15'-10"	13'-6"	11'-11"	10'-8"	9'-2"
			5'-6"	15'-10"	13'-6"	10'-11"	8'-11"	7'-7"
			6'-0"	15'-10"	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"	2.62 psf	4'-0"	19'-5"	16'-8"	14'-9"	13'-4"	12'-2"
			4'-6"	19'-5"	16'-8"	14'-9"	13'-4"	11'-3"
			5'-0"	19'-5"	16'-8"	13'-2"	10'-9"	9'-1"
			5'-6"	19'-5"	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"	22'-8"	19'-7"	17'-5"	14'-10"	12'-7"
			4'-6"	22'-8"	19'-7"	16'-1"	13'-2"	11'-2"
			5'-0"	22'-8"	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"	25'-9"	22'-4"	18'-0"	14'-9"	12'-6"
			4'-6"	25'-9"	20'-6"	16'-0"	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"	3.31 psf	4'-0"	31'-1"	22'-7"	17'-9"	14'-7"	12'-5"
			4'-6"	27'-8"	20'-1"	15'-9"	13'-0"	11'-0"
			5'-0"	22'-4"	16'-3"	12'-9"	10'-6"	8'-11"
			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 3.

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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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