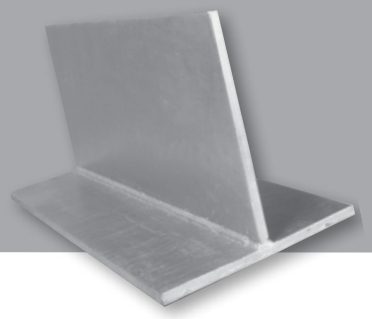
Galintel® Traditional T-bar



Traditional T-Bar features

- Designed and manufactured in Australia
- Comply with Australian Standards and Building Code requirements
- Manufactured under process-based quality control requirements
- Product certified by Unisearch Limited
- Fully machine welded
- 300 MPa grade steel
- All surfaces, including ends, fully hot-dip galvanised with 600 g/m² zinc coating
- R3 durability rating as standard finish

Control Joints

Where control joints are used as a required structural element, loading of the lintel should be reduced by one third.

Installation

Place Traditional T-Bar in position on brick piers, with minimum end bearing of 150mm.

Prop before bricklaying. Props must be no further than 1.2 metres apart and must remain in place until mortar has fully cured.

Apply mortar (minimum 1:4) to all brick faces in contact with the T-Bar.

The same number of courses must be laid internally and externally to prevent twisting of the T-Bar.

Notes on safe load tables for Traditional T-Bar

These load tables assume that:

- The web of the T-Bar is vertical
- The T-Bar is simply supported at both ends
- The T-Bar is loaded such that the load acts vertically and equally on both sides of the web
- The T-Bar can be considered to be fully supported laterally along its entire length
- UDL loads are constant along the length of the bar
- All loads, including the T-Bar and any brickwork, are considered
- Hot-dip galvanised to AS/ NZS4680:2006
- Loads in accordance with AS/ NZS1170.1:2002

If any of these conditions is not satisfied, the design should be referred to a qualified structural engineer.

Galintel® Traditional T-Bars – safe load tables

Note a minimum of three courses of bricks must be laid above the lintel.

Web = Vertical

Flange = Base or horizontal

Loads limited by deflection of 1/500 span

Traditional T-Bar 200 x 10 web 200 x 10 flange 33 kg/m	Span (mm)	2400	2700	3000	4900	5100	5700	6000
	Bar Length (mm)	2700	3000	3300	5200	5400	6000	6300
	UDL (kg/m)	2806	2227	1750	409	363	261	224
	Point Load (kg)	3435	3060	2760	1265	1170	935	845

Traditional T-Bar 250 x 10 web 200 x 10 flange 37 kg/m	Span (mm)	2400	4900	5100	5300	5700	6000
	Bar Length (mm)	2800	5200	5400	5600	6000	6300
	UDL (kg/m)	2806	687	635	588	509	450
	Point Load (kg)	3435	1700	1635	1570	1465	1390

Traditional T-Bar 250 x 12 web 200 x 10 flange 41 kg/m	Span (mm)	4900	5100	5700
	Bar Length (mm)	5200	5400	6000
	UDL (kg/m)	812	721	518
	Point Load (kg)	2510	2320	1860