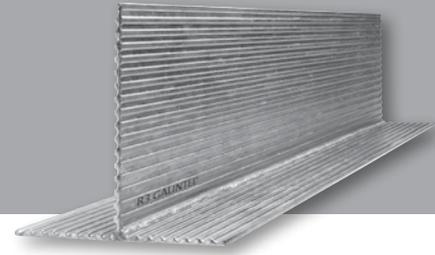


GALINTEL® MULTI-RIB T-BAR



Galintel® Multi-Rib T-Bars are cost-effective lintels that provide structural rigidity, high strength-to-weight ratio and resistance to corrosion.

The multi-ribbed profile forms a superior bond with the mortar. This bond between mortar, brickwork and lintel creates a composite beam of superior strength and structural integrity.

The Galintel® Multi-Rib T-Bar is a total load bearing lintel designed to support 230mm brickwork over a clear opening.

Installation

Place Galintel® Multi-Rib 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.

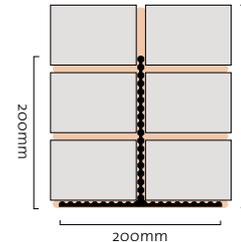
The same number of courses must be laid internally and externally to prevent twisting of the T-Bar.

Composite Action

Galintel® products rely on composite action. Therefore, to achieve ultimate performance, mortar must be present at all contact surfaces between bricks and lintel.

Control Joints

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



Brick composite beam
Minimum 3 courses of bricks.
Note: Mortar must be present at all contact surfaces between bricks and T-Bar

Notes on safe load tables for Multi-Rib T-Bar

The tables show the number of brick courses needed to safely carry the total load across the clear span opening.

Determine the load to be carried by the T-Bar (e.g. roof, framing, etc., plus live load allowance) but excluding lintel and bricks.

Total load is expressed as kg for point loads or kg/m for distributed loads. Where more than 4 equal point loads are applied, use the Distributed Load tables.

The spans shown are clear openings. The length of T-Bar ordered must include a minimum end bearing allowance of 150mm at both ends.

Galintel® Multi-Rib T-Bar safe load tables

MULTI-RIB T-BAR 200 x 7 (vertical leg) 200 x 7 (platform leg) 18 kg/m	Span (mm)	POINT LOAD (kg)				DISTRIBUTED LOAD (kg/m)		
		2400	2700	3000		2400	2700	3000
	T-Bar Length	2700	3000	3300		2700	3000	3300
	Brick courses 3	2735	2700	2395	3	1135	1010	910
	4	3310	3310	2980	4	1380	1225	1100
	5	4520	4215	3745	5	1880	1670	1505
	6	5730	5280	4690	6	2385	2120	1910

MULTI-RIB T-BAR 200 x 9 (vertical leg) 200 x 9 (platform leg) 23 kg/m	Span (mm)	POINT LOAD (kg)				DISTRIBUTED LOAD (kg/m)		
		4800	5100	5400		4800	5100	5400
	T-Bar Length	5100	5400	5700		5100	5400	5700
	Brick courses 3	830	730	650	3	270	230	190
	4	1110	980	870	4	370	300	250
	5	1770	1570	1400	5	590	490	410
	6	2650	2350	2090	6	880	730	620

The Galintel® T-Bar is a welded galvanised T-section comprising two multi-ribbed steel plates, 200mm wide with a nominal thickness of 7 or 9mm (depending on the length). The steel conforms to AS3678-250 with a minimum ultimate tensile strength of 410 MPa and yield strength of 280 MPa. Welding is conducted to the requirements of AS4100-1990 and galvanising conforms to AS/NZS 4680:2006.