

# Galintel® J-Bar\*

## Steel Shelf Beam



### GALINTEL® J-BAR\* SHELF BEAM

The Galintel® J-Bar\* Shelf Beam is the ideal solution for cavity walls, either double brick, or brick veneer with timber trusses.

The J-Bar\* was developed in response to demand from builders for an economical substitute for built-up steel sections such as parallel flange channel and plate.

Similar to a T-bar but with a special top flange incorporated into the upright section, the Galintel® J-Bar\* provides an off-the shelf solution for cavity walls and is hot-dip galvanised, fully engineered and university tested.

Available from accredited Galintel® distributors, the J-Bar\* is a convenient alternative to custom-made beams such as PFC and flat plate, which have to be fabricated and galvanised.

As with all quality Galintel® products, the J-Bar\* Shelf Beam is provided with a full product warranty and safe load tables.

**The Galintel® brand is your guarantee of quality, performance and code compliance. For full technical details, phone 1800 065 634 or email [bi@nepean.com.au](mailto:bi@nepean.com.au)**

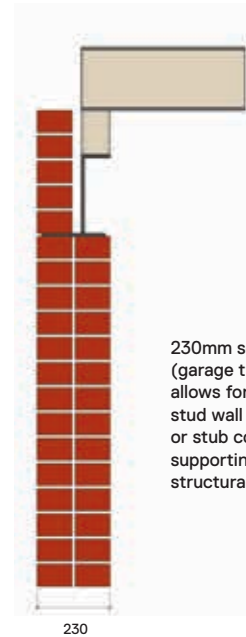
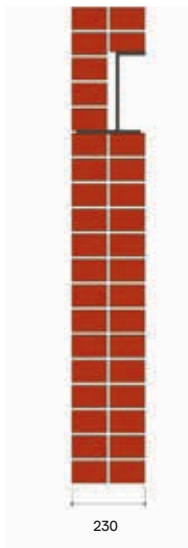
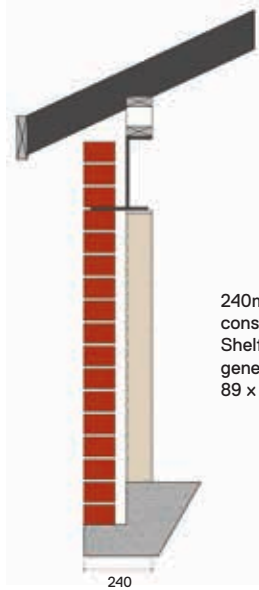
#### The quick, economical solution for cavity walls

- > Header flange pre-drilled & galvanised for timber fixing
- > Bottom flange pre-drilled & galvanised for column connection
- > Innovative, efficient design
- > Up to 20% lighter than built-up steel sections
- > Fully hot-dip galvanised including ends (600 g/m<sup>2</sup>)
- > Standard range of lengths
- > Non-standard lengths available to order
- > Engineered and university tested
- > 25 year performance warranty
- > Convenient 'off the shelf' solution
- > R3 durability rating

\*Registered design

# J-Bar Applications

## Typical J-Bar Applications



## Galintel® J-Bar Safe Load Table

Vertical Leg 260 x 90 Platform Leg 200 x 10 Mass 45 kg/m (Hot Dip Galvanized Finish)

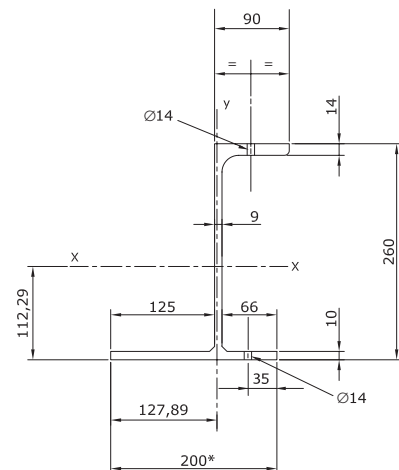
Span (mm)	3900	4200	4500	4800	5100	5400	5700	6000
Bar Length (mm)	4200	4500	4800	5100	5400	5700	6000	6300
UDL (kg/m)	2895	2370	1865	1370	1210	1080	865	740
Point Load (kg)	7065	6130	5230	4330	3990	3690	3170	2850

Loads limited by deflection of 1/500 span

### Notes on Safe Load Table for J-Bars

This load table assumes that:

- > The web of the J-Bar is vertical
- > The J-Bar is simply supported at both ends
- > The J-Bar is loaded such that the load acts vertically and equally on both sides of the web
- > The J-Bar is considered as being laterally unrestrained for the full span length
- > UDL loads are constant along the length of the bar
- > Point loads are assumed to act at midspan
- > 150mm minimum end bearing support onto brickwork
- > Hot-dip galvanised to AS/NZS4680:2006
- > Loads in accordance with AS/NZS1170.1:2002



\*Platform leg available in 300mm width. (Section details and load tables available on request)

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