

Above & Beyond Concepts

ABC Pro-Series T Sections

Above & Beyond Concepts' ABC Pro-Series T Sections are heavy-duty hot-dip galvanized structural steel supports for double brickwork above masonry openings.



Widely Accepted and Easy to Use with Enhanced Appearance

ABC Pro-Series T Sections are widely accepted in the building industry as supports for double brickwork above masonry openings and are readily available in a range of popular sizes. They have the advantage of eliminating the need to use two lintels in a back-to-back configuration when double brickwork is required,

thus providing a stable foundation for simple brick lay up with a clean finish when viewed from below.

Building Codes and Structural Design

ABC Pro-Series T Sections have been developed to meet Australia's building Codes. They are a structural section and do not require mortar bonding (composite action between brickwork and the section) for strength.

Protective Coating, Durability and Corrosion Resistance

ABC Pro-Series T Sections are hot-dip galvanized in accordance with the Australian Standard for Hot-dip Galvanized (zinc) coatings on ferrous articles (AS/NZS 4680:1999). The durability rating of the protective coating is R3 as described in AS/NZS 2699.3:2002 (Built-in components for masonry construction, Part 3: Lintels and shelf angles (durability requirements)).

200 x 6mm (vertical leg) + 200 x 6mm (horizontal leg) T Section

Clear Span (m)	*T Section Length (m)	Maximum Uniformly Distributed Load (kg/m)
0.6	0.9	8502
0.9	1.2	4317
1.2	1.5	2468
1.5	1.8	1588
1.8	2.1	1103
2.1	2.4	806



200 x 8mm (vertical leg) + 200 x 6mm (horizontal leg) T Section

Clear Span (m)	*T Section Length (m)	Maximum Uniformly Distributed Load (kg/m)
2.4	2.7	1374
2.7	3.0	1076
3.0	3.3	863
3.3	3.6	704
3.6	3.9	584



Notes

1. *The minimum bearing length (or individual end bearing) must be 150mm. The T Section Length must therefore be 300mm greater than the Clear Span.
2. T Sections must be propped during construction, with the prop(s) remaining in place until the mortar is fully cured.
3. Brickwork must be laid simultaneously on each side of the T Section to provide even loading and reduce the possibility of distorting the T Section and brickwork during construction.
4. The construction of all brickwork must comply with the Masonry structures standard (AS 3700-2001) and approved building practices.
5. As many structural configurations exist, a large range of sizes are produced, from which engineers and professional builders may choose, subject to appropriate certification.

This publication has been proudly prepared by Above & Beyond Concepts Pty Limited (ABN 96 102 683 054) to assist professional builders and engineers in the selection and use of ABC Pro-Series T Sections. It is current at July 2006. As standards and building practices are constantly being reviewed, the information contained in this document is subject to change without notification. Users must check with their supplier to ensure that reference is being made to the current edition of any publication supplied by above & Beyond Concepts Pty Limited. Prior to reliance on any information contained herein, users of this publication must also check the information for its appropriateness and ensure its adequacy and accuracy for the intended purposes. Above & Beyond Concepts Pty Limited does not accept any responsibility for any consequence, loss or damage arising from the use of this publication unless required by law.