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The EASY WAY to do a  
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*Floor Joist OBC Tables*  
How to do a steel beam  
calculation - Part 1 -

Loadings *Span tables*  
*Single Span Continuous*  
*Span Sizing timber Part 2*  
*Span tables Beam Types*  
and Spans Calculate if a  
column can support a  
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tables on pages 7 to 21 presented in Edition 3 of “Structural Steel in Housing” have been prepared for the loads and restraint conditions specified in the tables. The span tables have been calculated in accordance with the Page 4/29 One Steel Rhs Span Tables - builder2.hpd-collaborative.org One Steel Rhs Span Tables One Steel Rhs Span Tables The span tables on pages 7 to 21 presented in Edition 3 of “Structural Steel in Housing” have been prepared for the loads

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from 50 mm x 20 mm to 400 mm to 300 mm. Span guide for residential framing -One Steel Rhs Span Tables - aurorawinterfestival.comT he span tables on pages 7 to 21 presented in Edition 3 of “Structural Steel in Housing” have been prepared for the loads and restraint conditions specified in the tables. The span tables have been calculated in accordance with the principles of structural mechanics using the followingSTRUCTURaL STEEL IN HOUSING - THIRD

EDITIONDesign Capacity Tables for Structural Steel Hollow Sections (ii) Australian Tube Mills A.B.N. 21 123 666 679 DESIGN CAPACITY TABLES FOR STRUCTURAL STEEL HOLLOW SECTIONS Published by: AUSTRALIAN TUBE MILLS Enquiries should be addressed to the publisher: Postal address: P.O. Box 246, Sunnybank, Queensland 4109, AustraliaDESIGN CAPACITY TABLES - LibertyAPPENDIX C – SPAN TABLES C.1 Introduction This Appendix has been taken from the

OneSteelpublication, Design Note No. D3(Nov 2005). It contains span tables covering various primary and secondary beam spans with common design floor loadings. It is intended that these tables will be used by engineers to assist in the preliminary designAPPENDIX C – SPAN TABLES1. These span tables have been prepared for a range of flooring and roofing applications in non-cyclonic wind regions using Boxspan® steel beams and brackets

produced by Spantec Systems Pty Ltd. 2. This Design Notes section shall be read in conjunction with Boxspan Residential Span Tables – Non Cyclonic Areas publication. 3. BOXSPAN RESIDENTIAL SPAN TABLE TABLE 1 – JOISTS FOR 1.5 kPa FLOORS DURAGAL JOIST SPACING (mm) C450L0 4501 600 RHS SIZE2 MAXIMUM JOIST SPAN (m) Single Span Continuous Span DESIGN CRITERIA 1. Span Tables 1 to 4 & 13 to 16 have been calculated in accordance with AS 3623:

Domestic metal framing, AS 4100: Steel Structures, AS1170.1: Dead and Live Loading, with Live Load, Q equal to DURAGAL FLOORING SYSTEM Design capacity tables have been included for the 2.3 and 2.8 mm thick C450L0 material produced by OneSteel and are headed Non-Standard thickness. These tables are provided to allow designers to select an equivalent capacity section when converting to a OneSteel standard DuraGal section. DuraGal - Design Capacity Tables for Steel

Hollow Sections ...RHS is manufactured in a wide range of dimensions and thicknesses, as well as combinations of both. Available thicknesses across the board are 1.6 mm, 2 mm, 2.5 mm, 3 mm, 3.5 mm, 4 mm, 5 mm, 6 mm, 8 mm, 9 mm, 10 mm, 12.5 mm, and 16 mm. Dimensions range from 50 mm x 20 mm to 400 mm to 300 mm. Steel Tube & RHS - BlueScope Distribution OneSteel Australian Tube Mills A.B.N. 21 123 666 679. PO Box 246 Sunnybank, Queensland 4109

Australia Telephone +61 7 3909 6600 Facsimile +61 7 3909 6660 E-mail info@austubemills.com Internet www.austubemills.com Design Capacity Tables for Structural Steel Hollow Sections (ii) OneSteel Australian Tube Mills OSATM Design Capacity Tables - Midalia Steel Orrcon Steel distributes and manufactures rectangular hollow sections in a wide range of sizes. Our Rectangular Hollow Sections are manufactured to the

Australian Standard for structural steel hollow section .0AS/NZS 1163 and cover steel grades C250L0, C350L0 and C450L0. A variety of surface finishes are available across our range of structural tubulars. Rectangular Hollow Section | Orrcon Steel In most applications Boxspan beams require less depth than timber to reach the same span. Unique strength Unlike other steel Rectangular Hollow Sections (RHS) Boxspan® has the unique qualities of having a

double thickness flange and a single thickness web that effectively puts the strength where it needs to be. Boxspan Light Structural Steel Beams; bearers, joists ... Span tables design data Scope This volume of the DuraGalPlus® Domestic Construction Manual covers the design of DuraGalPlus RHS and SHS roof beams which conform to AS 4055 wind classifications of up to category C3. The tables in this volume have been divided into five sections: Rafters, under purlins,

strutting beams, roof battens and ceiling ...N1 to C3 DuraGalPlus Domestic Construction ManualSpan For the purpose of using these tables, span may be interpreted as the clear distance between supports measured along the beam. Single Span Beams are beams supported at two points only. Continuous Span Beams are beams supported at three or more points along their length.Span guide for residential framing - DindasRHS Size (mm x

mm x mm) Surface finish: Mass (kg/m) Metres per tonne: Length/Pack Standard 6.5: Length/Pack Standard 12: 50 x 25 x 1.6: P,S: 1.75: 571: 96: 50 x 25 x 2.0: P,S: 2.15: 465: 96: 50 x 25 x 2.5: P,S: 2.62: 382: 72: 50 x 25 x 3.0: P,S: 3.07: 326: 60: 65 x 35 x 2.0: P,S: 2.93: 341: 54: 65 x 35 x 2.5: P,S: 3.6: 278: 54: 65 x 35 x 3.0: P,S: 4.25: 236: 45: 65 x 35 x 4.0: P, S: 5.35: 187: 45: 75 x 25 x 1.6: P,S: 2.38: 420: 65: 75 x 25 x 2.0DuraGal® Galvanized Steel RHS and SHS - Structural Tube

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 Design Capacity Tables  
 for Structural Steel Hollow  
 Sections (ii) OneSteel  
 Australian Tube Mills  
OSATM Design Capacity  
Tables - Midalia Steel  
 RHS Size (mm x mm x  
 mm) Surface finish: Mass  
 (kg/m) Metres per tonne:  
 Length/Pack Standard 6.5:  
 Length/Pack Standard 12:  
 50 x 25 x 1.6: P,S: 1.75:  
 571: 96: 50 x 25 x 2.0:  
 P,S: 2.15: 465: 96: 50 x 25  
 x 2.5: P,S: 2.62: 382: 72:  
 50 x 25 x 3.0: P,S: 3.07:  
 326: 60: 65 x 35 x 2.0:

P,S: 2.93: 341: 54: 65 x 35  
 x 2.5: P,S: 3.6: 278: 54:  
 65 x 35 x 3.0: P,S: 4.25:  
 236: 45: 65 x 35 x 4.0: P,  
 S: 5.35: 187: 45: 75 x 25 x  
 1.6: P,S: 2.38: 420: 65: 75  
 x 25 x 2.0  
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 Design capacity tables  
 have been included for  
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 by OneSteel and are  
 headed Non-Standard  
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 equivalent capacity  
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to a OneSteel standard  
DuraGal section.

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*OBC Tables How to do*  
*a steel beam*  
*calculation - Part 1 -*  
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RHS is manufactured in a wide range of dimensions and thicknesses, as well as combinations of both. Available thicknesses across the board are 1.6 mm, 2 mm, 2.5 mm, 3 mm, 3.5 mm, 4 mm, 5 mm, 6 mm, 8 mm, 9 mm, 10 mm, 12.5 mm, and 16 mm. Dimensions range from 50 mm x 20 mm to 400 mm to 300 mm.

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~~a Nut into RHS SHS Steel Tube Metric Simple Span Beam with a distributed load Structural Analysis hand calculation Steel Member Design | Axial Compression + Bending | Torsional Deformation | Eurocode 3 | EN1993 Use of steel hollow sections in building construction~~  
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Span For the purpose of using these tables, span may be interpreted as the clear distance between supports measured along the beam. Single Span Beams are beams supported at two points only. Continuous Span Beams are beams supported at three or

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*STRUCTURAL STEEL IN HOUSING - THIRD EDITION*

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**Rectangular Hollow Section | Orrcon Steel**

Span tables design data Scope This volume of the DuraGalPlus ® Domestic Construction Manual covers the design of DuraGalPlus RHS and SHS roof beams which conform to AS 4055 wind classifications of up to category C3. The tables in this volume have been divided into five sections: Rafters, under purlins, strutting beams, roof battens and ceiling ...

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Online Library One Steel Rhs Span Tables mm, 9 mm, 10 mm, 12.5 mm,

and 16 mm. Dimensions range from 50 mm x 20 mm to 400 mm to 300 mm. Span guide for residential framing -

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been prepared for the loads and restraint conditions specified in the tables. The span tables have been calculated in accordance with the principles of structural mechanics using the following

**Boxspan Light  
Structural Steel  
Beams; bearers, joists**

...

1. These span tables have been prepared for a range of flooring and roofing applications in non-cyclonic wind regions using Boxspan® steel beams and brackets

produced by Spantec Systems Pty Ltd. 2. This Design Notes section shall be read in conjunction with Boxspan Residential Span Tables - Non Cyclonic Areas publication. 3.

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APPENDIX C - SPAN

TABLES C.1 Introduction  
This Appendix has been taken from the OneSteel publication, Design Note No. D3(Nov 2005). It contains span tables covering various primary and secondary beam spans with common

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In most applications Boxspan beams require less depth than timber to reach the same span.

Unique strength Unlike other steel Rectangular Hollow Sections (RHS) Boxspan® has the unique qualities of having a double thickness flange and a single thickness web that effectively puts the strength where it needs to be.

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### **Span guide for residential framing - Dindas**

Orrcon Steel distributes and manufactures

rectangular hollow sections in a wide range of sizes. Our Rectangular Hollow Sections are manufactured to the Australian Standard for structural steel hollow section .0AS/NZS 1163 and cover steel grades C250L0, C350L0 and C450L0. A variety of surface finishes are available across our range of structural tubulars.

### **APPENDIX C - SPAN TABLES**

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Tables -*

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TABLE 1 – JOISTS FOR 1.5

kPa FLOORS DURAGAL  
JOIST SPACING (mm)  
C450L0 4501 600 RHS  
SIZE2 MAXIMUM JOIST  
SPAN (m) Single Span

Continuous Span DESIGN  
CRITERIA 1. Span Tables 1  
to 4 & 13 to 16 have been  
calculated in accordance  
with AS 3623: Domestic

metal framing, AS 4100:  
Steel Structures,  
AS1170.1: Dead and Live  
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