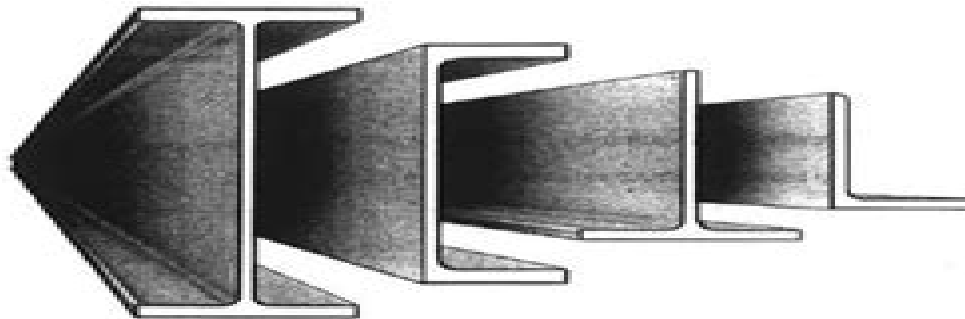




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Daniel F McAuley



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capacities for members subject to bending shear bearing axial compression axial tension and combined actions Also included are design capacities for bolts welds and floor plates elastic buckling loads detailing parameters section properties for gantry girders and rails and useful tables for angles subjects to flexural loadings about their rectangular axes restrained and unrestrained and angles in trusses Volume 2 of the DCT DCTv2ed2 provides up to date information on the full range of Australian manufactured hollow sections complying with AS 1163 Additionally the 1998 version of AS 4100 included some significant changes to the hollow section design provisions These changes have also been incorporated in DCTv2ed2 Other features of DCTv2ed2 include tables associated with section properties surface areas telescoping sections maximum design loads for simply supported beams with full lateral restraint design section moment including torsion and web capacities design moment capacities for members without full lateral restraint and design member capacities in axial compression tension The text includes data used to generate the tables information relevant to common applications useful examples and noting of clauses equations in AS 4100 which are specific to hollow sections Design Capacity Tables for Structural Steel Australian Steel Institute,1999-08-01 Steel Designers' Handbook Branko Gorenc,Ronald Tinyou,Arun Syam,2005 This book makes extensive use of worked numerical examples to demonstrate the methods of calculating the capacities of structural elements These examples have been extensively revised from the previous edition with further examples added The worked examples are cross referenced to the relevant clauses in AS 4100 1998 BOOK JACKET **DuraGal Design Capacity Tables for Structural Steel Angles, Channels & Flats** BHP Structural & Pipeline Products,Broken Hill Proprietary Company,1997* *Tubular Structures VIII* Y.S. Choo,G.J. van der Vegte,2022-03-30 First published in 1998 Looking at the architecture and engineering of tubular structures and the behaviour of section joints members and frames under different loads and conditions this book provides a reference point for both civil and mechanical engineers *Tubular Structures* Paul Grundy,Alan Holgate,Bill Wong,2021-10-06 Tubular structures remain a source of architectural inspiration and practical solutions to difficult performance specifications New developments are covered in this text which contains papers on design innovations and applications presented at an international symposium held in Australia in 1994

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