

BIBLIOGRAFÍA

AISI, 1968, American Iron and Steel Institute, "*Specification for the Design of Light Gage Cold-formed Stainless Steel Structural Members*". Washington, DC.

AISI, 1974, American Iron and Steel Institute, "*Specification for the Design of Cold-formed Stainless Steel Structural Members*", Washington, DC.

AISI, 1986, American Iron and Steel Institute, "*Specification for the Design of Cold-formed Steel Structural Members*". Washington, DC.

ANSI/ASCE-8-90, 1991, American Society of Civil Engineers. "*Specification for the Design of Cold-formed Stainless Steel Structural Members*". New York, NY.

Arnedo, A., 1995, "*Aplicación de diagramas tensión-deformación analíticos no lineales en aceros inoxidables austeníticos frente a acciones dinámicas*". XXI Reunión anual de la sociedad nuclear española. Tarragona-Reus.

Arnedo, A., Mirambell, E., Real, E., 1998, "*Deformation of Flexural Members of Austenitic Stainless Steel* " Journal of Constructional Steel Research, 46:1-3, Paper No. 241.

ASTM, 1968, American Society for Testing Materials, "*Stainless Steel for Architectural Use*". Symposium at the Seventy-first Annual Meeting. San Francisco, Calif.

ASTM, 1990, American Society for Testing and Materials. "*Standard Practice for Numbering Metals and Alloys (UNS), E527*". Philadelphia.

Bleich, F., 1952, "*Buckling Strength of Metal Structures*". McGraw-Hill Book Company, New York.

Bredenkamp, P.J., Van den Berg, G.J., Van der Merwe, P., 1998, "*The Behaviour of Hot-rolled and Built-up Stainless Steel Structural Members*" Journal of Constructional Steel Research, 46:1-3, Paper No. 281.

British Standards Institution, 1990, "*The Structural Use of Steelwork in Building, BS5950 Part 1: Code of Practice for Design in Simple and Continuous Construction*". London.

Burgan, B.A., 1993, "*Concise Guide to the Structural Design of Stainless Steel*". The Steel Construction Institute, Ascot, UK, 2 edition,.

Burgan, B.A., Baddoo, N.R., 1999, " *Design Guidance on the use of Stainless Steel in Construction*". International Congress- Stainless Steel' 99 Science and Market. Vol. 3, Properties and Performances. Pages 175-184. Sardinia, Italy.

Burgan, B.A., Baddoo, N.R., Gilsean, K.A., 2000, "*Structural design of stainless steel members – comparison between Eurocode 3, Part. 1.4 and test results*". Journal of Constructional Steel Research. 54 (2000) 51-73.

Carvalho, E.C.G., Van den Berg, G.J. and Van der Merwe, P., 1992, "*Behaviour of cold-formed stainless steel beams subjected to shear*". In SSRC 1992 Annual Session, Earthquake Stability Problems in Eastern North America, pages 141-157. Structural Stability Research Council. Pittsburgh, Pennsylvania.

Cedinox, 1995, Centro para la Investigación y Desarrollo del Acero Inoxidable. "*Acero Inoxidable*". Nº 28. Madrid.

Cedinox, 1999, Centro para la Investigación y Desarrollo del Acero Inoxidable. "*Acero Inoxidable*". Nº 39. Madrid.

Davies, A.W. and Griffith, D.S.C., 1999, "*Shear strength of steel plate girders*". Proc. Instn. Civ. Engrs. Structs & Bldgs. 134. Pages 147-157.

Di Caprio, G., 1987, "*Los aceros inoxidable*". GRUPINOX.

Dier, A., 1991, "*Design manual for structural stainless steel*". Joint industry study. London: Steel Construction Institute (SCI). 236p.

Dubas, P. and Gehri, E., 1986, "*Behaviour and Design of Steel Plated Structures*". Applied Statics and Steel Structures, Swiss Federal Institute of Technology Zürich. Switzerland.

ECSC, 2000, European Coal and Steel Community. "*Development of the use of stainless steel in construction. Final report*". Contract 7210-SA/842.

EN 10088, 1995, "*Stainless steels*". CEN.

Errera, S.J., Tang, B.M. and Popowich, D.W., 1970, "*Strength of bolted and welded connections in stainless steel*". Report NO. 334. Department of Structural Engineering, Cornell University, Ithaca. N.Y.

Errera, S.J., Popowich, D.W. and Winter, G., 1974, "*Bolted and Welded stainless steel connections*". Journal of the Structural Division. ASCE 100(6), 1279-1296.

ESDEP, 2000, "*Programa Europeo de Formación en el Cálculo y Diseño de la Construcción en Acero*". Instituto Técnico de la Estructura en Acero (ITEA).

Euroinox, 1994, European Stainless Steel Development Group. "*Design manual for structural stainless steel*". Nickel Development Institute, Toronto, Canada.

Euroinox, 2000, "*Designing and building with stainless steel*". Milano.

European Committee for Standardisation, 1993, "*ENV-1993-1-1. Eurocode 3: Design of Steel Structures. Part 1.1: General Rules and Rules for Buildings*". Brussels.

European Committee for Standardisation, 1994, "*prENV-93-1-4. Eurocode 3: Design of Steel Structures. Part 1.4: General Rules for Stainless Steel*". Brussels.

European Committee for Standardisation, 1996, "*ENV-1993-1-4. Eurocode 3: Design of Steel Structures. Part 1.4: General rules- Supplementary Rules for Stainless Steel*". Brussels.

European Committee for Standardisation, 1997, "*ENV-1993-1-5. Eurocode 3: Design of Steel Structures. Part 1.5: General rules- Supplementary rules for planar plated structures without transverse loading*". Brussels.

Galambos, T.V., 1998, "*Guide to Stability Design Criteria for Metal Structures*". Fifth Edition. Edited by Theodore V. Galambos.

Hammer Jr., E.W. and Peterson, R.E., 1955, "*Column Curves for Type 301 Stainless Steel*". Aeronautical Engineering Review.

Hibbit, Karlsson and Sorensen Inc., 1996, "*ABAQUS/Standard, Version 5.6. Users Manual*." Rhode Island, USA.

Hill, H.N., 1944, "*Determination of stress strain relations from the offset yield strength values*". Technical Note No. 927. Nat. Advisory Committee for Aeronautics, Washington, D.C.

IOtech, 1997, "*DaqBook/DaqBoard/Daq PC-Card User's Manual. Data Acquisition for Notebook & Desktop PCs*".

Ivanyi, M. and Skaloud, M., 1992, "*Stability problems of steel structures*". CISM Courses and Lectures N°. 323. International Centre for Mechanical Sciences.

Johnson, A.L. and Winter, G., 1966, "*Behaviour of stainless steel columns and beams*". Journal of the Structural Division. ASCE, Vol. 92, No. ST5:97-118.

Johnson, A.L., 1967, "*The Structural Performance of Austenitic Stainless Steel Members*". Ph.D. Thesis, Cornell University. Ithaca, N.Y,

Johnson, A.L. and Kelsen, G.A, 1969, "*Stainless Steels in Structural Applications*". Pages 14-35. Stainless steel for architecture, ASTM Special Technical Publication 454.

Korvink, S.A., Van den Berg, G.J., Van der Merwe, P., 1995, "*Web Crippling of Stainless Steel Cold-formed Beams*". Journal of Constructional Steel Research 34 Pp 225-248.

Lin, S-H., Yu, W-W. and Galambos, T.V., 1988a, "*Design of Cold-formed Stainless Steel Structural Members, proposed allowable stress design specification with commentary*". Technical Report 3, Department of Civil Engineering, University of Missouri-Rolla, Rolla, MO.

Lin, S-H., Yu, W-W. and Galambos, T.V., 1988b, "*Load and resistance factor design of cold-formed stainless steel, statistical analysis of material properties and development of the LRFD provisions*". Technical Report 4, Department of Civil Engineering, University of Missouri-Rolla, Rolla, MO.

Lin, S-H., Yu, W-W. and Galambos, T.V., 1989, "*Load and resistance factor design of cold-formed stainless steel: proposed load and resistance factor design specification for cold-formed stainless steel structural members with commentary*". Technical Report 5, Department of Civil Engineering, University of Missouri-Rolla, Rolla, MO.

Lin, S-H., Yu, W-W. and Galambos, T.V., 1992, "*ASCE LRFD Method for Stainless Steel Structures*". Journal of the Structural Engineering, ASCE, Vol.118, No 4. Pages 1056- 1070.

Lula, R.A., 1965, "*Stainless Steel*". American Society for Metals, Ohio.

Mann, A.P., 1993, "*The structural use of stainless steel.*" The Structural Engineer, Vol. 71, No. 4. Pages 60-69.

Maquoi, R., 1992, "*Plate Girders: Constructional Steel Design. An International Guide*" pgs. 133-173. Editors P.J. Dowling, J.E. Harding and R. Bjorhovde Elsevier Applied Science.

Maquoi, R. and Skaloud, M., 2000, "*Stability of plates and plated structures. General Report*". Journal of Constructional Steel Research 55 (2000) 45-68.

Marco, J., 1997, "*Fundamentos para el cálculo y diseño de estructuras metálicas de acero laminado. Comportamiento del material y esfuerzos básicos*". McGraw-Hill, Madrid.

Mazzolani, F. and Piluso, V., 1997, "*Prediction of the Rotation Capacity of Aluminium Alloy Beams*". Thin-Walled Structures. Vol. 27, No. 1, pp. 103-116.

Millanes, F., 2000, "*Puente del Infante D. Henrique en Oporto y Pasarela de Acero Inoxidable en Abandoibarra (Bilbao)*". Tendencias en el Diseño de Puentes. pag. 329-365. IABSE, Madrid.

Mirambell, E., Real, E., Arnedo, A., Albareda, J., 1998, "*Estudi experimental del comportament de bigues d'acer inoxidable sotmeses a flexió*". (192 págs.) Departamento de Ingeniería de la Construcción. UPC-ETSECCP. Ref. 706-101-98. ISBN: 84-87691-19-6. Barcelona.

Mirambell, E., Real, E., 2000, "*On the Calculation of Deflections in Structural Stainless Steel Beams: An Experimental and Numerical Investigation*". Journal of Constructional Steel Research. 54 (2000) 109-133.

Olsson, A., 1998a, "*Plastic Behaviour of Stainless Steel. A phenomenological study*" Licentiate Thesis. Lulea Oslo. University of Technology.

Olsson, A., 1998b, "*Constitutive Modelling of Stainless Steel*" Journal of Constructional Steel Research, 46:1-3, Paper No. 242.

Oñate, E., 1992, "*Cálculo de Estructuras por el Método de los Elementos Finitos. Análisis estático lineal.*" Centro Internacional de Métodos Numéricos en Ingeniería, CIMNE. España.

Popov, E.P., 1968, "*Introduction to mechanics of solids*". Prentice-Hall, Inc., Englewood Cliffs, New Jersey.

Rasmussen, K.J.R. and Hancock, G.J., 1990, "*Stainless steel tubular columns- test and design*". In W-W Yu and RA LaBoube, editors, Recent Developments in cold-formed steel design and construction, 10th International Specialty Conference on cold-formed steel structures. Pages 471-491. University of Missouri-Rolla.

Rasmussen, K.J.R. and Hancock, G.J., 1992, "*Design of cold-formed stainless steel tubular beams*". In W-W Yu and RA LaBoube, editors, Recent Developments in cold-formed steel design and construction, 11th International Specialty Conference on cold-formed steel structures. Pages 587-610. University of Missouri-Rolla.

Rasmussen, K.J.R. and Hancock, G.J., 1993, "*Design of Cold-Formed Stainless Steel Tubular Members. II: Beams*". Journal of the Structural Engineering. ASCE, Vol. 119, No. 8 Pages 2368-2386.

Rasmussen, K.J.R., 1995, "*Structural Design in Stainless Steel*". Nordic Steel Construction Conference'95.

Rasmussen, K.J.R., Rondal, J., 1998, "*A Unified Approach to Column Design*" Journal of Constructional Steel Research, 46:1-3, Paper No. 085.

Real, E., Mirambell, E., Arnedo, A., 1999, "*Experimental Tests on Stainless Steel Beams: Deflections Calculations*". International Congress- Stainless Steel' 99 Science and Market. Vol. 3, Properties and Performances. Pages 303-312. Sardinia, Italy.

Real, E., Mirambell, E., 2000 "*Estudio experimental del comportamiento a flexión de vigas de acero inoxidable*". Hormigón y Acero. N° 216.

Real, E., Estrada, I. y Mirambell, E., 2001, "*Campaña experimental para el análisis del fenómeno de la abolladura por cortante en vigas armadas de acero inoxidable*" Departamento de Ingeniería de la Construcción. UPC-ETSECCP. ISBN: 84-87691-21-8. Barcelona.

Reyneke, W., Van den Berg, G.J., 1996, *"The strength of partially stiffened stainless steel compression members"*. In W-W Yu and R.A. LaBoube, editors, Recent Research and Developments in cold-formed steel design and construction, 13th International Specialty Conference on cold-formed steel structures. Pages 541-555. St. Louis, Missouri. University of Missouri-Rolla.

SABS, 1996, South African Bureau of Standards. 0162-4:1996. *"Draft Code of Practice. The Structural Use of Steel. Limit-States Design of Cold-Formed Stainless Steel Members"*.

Salmi, P. and Talja, A., 1995, *"Cold-formed Stainless Steel RHS-members-Test and Design"*. Nordic Steel Construction Conference'95.

SCI, 1991, The Steel Construction Institute, *"Tests of Stainless Steel Beams and Columns"*. SCI Technical Report NO. 29, Report NO. RT/231. Ascot, UK.

Van den Berg, G.J. and Van der Merwe, P., 1992, *"Prediction of Corner Mechanical Properties for Stainless Steels Due to Cold Forming"*. In W-W Yu and RA LaBoube, editors, Recent Developments in cold-formed steel design and construction, 11th International Specialty Conference on cold-formed steel structures. University of Missouri-Rolla.

Van den Berg, G.J., 1988, *"The Torsional Flexural Buckling Strength of Cold-Formed Stainless Steel Columns"*. D.Ing. Thesis. Rand Afrikaans University. Johannesburg. South Africa.

Van den Berg, G.J., 1998, *"The Behaviour of Cold-Formed Stainless Steel Structural Members"* Journal of Constructional Steel Research, 46:1-3, Paper No. 280.

Van den Berg, G.J., 2000, *"The effect of the non-linear stress-strain behaviour of stainless steels on member capacity"*. Journal of Constructional Steel Research. 54 (2000) 135-160.

Van der Merwe, P., 1987, *"Development of Design Criteria for Ferritic Stainless Steel Cold-Formed Structural Members and Connections"*. Ph.D. Thesis. University of Missouri-Rolla.

Van der Merwe, P. and Van den Berg, G.J., 1992, *"Criteria for the Design of Stainless Steel Structures"*. COLLECTIVE PAPERS OF THE CHROMIUM STEELS RESEARCH GROUP. Volume 1. Rand Afrikaans University.

Wang, S.T., Errera, S.J. and Winter, G., 1975, *"Behaviour of Cold-Rolled Stainless Steel Members"*. Journal of the Structural Division. ASCE, Vol. 101, No. ST11:2337-2357.

Yu, W-W., 1991, *"Introduction to Stainless Steel Design"*. Cold-Formed Steel Design. Wiley Interscience. 2^a edition. Pages 496-502.

Zienkiewicz, O.C., 1980, *"El método de los elementos finitos"*. Editorial Reverté, S.A. España.