

## Acces PDF Cidect Hollow Section Steel Design Guide

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### **Cidect Hollow Section Steel Design**

CIDECT is an international association of leading manufacturers of structural hollow sections and pipes. Main objective is to expand and summarize

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knowledge, by means of funding research and design guides on structural hollow sections and promote their application in steel construction and engineering.

## **CIDECT**

Design Guide 1, 2nd edition This book is the first of a set of works by the CIDECT,

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dedicated to the calculation of constructions in hollow profiles, - circular and rectangular - in steel, in the field of structural and mechanical engineering.

## **Design Guides - CIDECT**

CIDECT Design Guides In an effort to promote the steel industry by

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advocating the use of HSS, AISC has partnered with CIDECT (International Committee for the Development and Study of Tubular Structures) to disseminate their published design guides free of charge to AISC members.

**CIDECT Design Guides | American Institute of Steel ...**

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This design guide is the eighth in the series “Construction with Hollow Steel Sections”, which CIDECT has published:

1. Design guide for circular hollow section (CHS) joints under predominantly static loading
2. Structural stability of hollow sections
- 3.

**FOR CIRCULAR AND RECTANGULAR -**



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## **American Institute of Steel ...**

Under the general series heading “Construction with Hollow Steel Sections”, CIDECT has published the following nine Design Guides, all of which are available in English, French, German and Spanish: Design guide for circular hollow section (CHS) joints under predominantly static loading (1st edition

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1991, 2nd edition 2008)

## **CIDECT Design Guides 1 - 9 - Civil Engineering Community**

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Construction

## **AISC Home | American Institute of Steel Construction**

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Product Standards for hollow sections  
Europe International USA; Hot formed/  
hot finished: EN 10210: ISO 12633:  
ASTM A501 ASTM A618: Cold formed: EN  
10219: ISO 10799: ASTM A500 ASTM  
A1085: Design Standards: Loads: EN  
1991 Series (Loads) Steel construction:  
EN 1993-1-1 general rules EN 1993-1-2  
fire loading EN 1993-1-8

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joints/connections EN 1993 ...

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In a good design, all these aspects have to be considered in a balanced way. Due to the special features of hollow sections and their connections it is even here of more importance than for steel structures of open sections. The

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designer should therefore be aware of the various aspects of hollow sections, as basically described in this book.

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The mission of CIDECT is to combine the research resources of major hollow section manufacturers in order to create a major force in the research and

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application of hollow steel sections world wide. This forms the basis of establishing coordinated and consistent international standards.

## **Hollow Sections in Structural Applications**

With respect to the design of steel structures and especially as far as steel

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structures made with hollow sections are concerned, complementary material to available books such as the CIDECT book for students (“Hollow Sections in Structural Applications” by J. Wardenier) should be made available.

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### **HOLLOW SECTIONS IN STRUCTURAL**

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APPLICAT IONS by J. Wardenier PREFACE  
Professor Jaap Wardenier has had an enormous impact on the design methods for tubular steel structures in the late 20th. century. The Rectangular Hollow Section is veritably his progeny and it has grown up to be a respectable member of the steel society under his tutelage.



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## **HOLLOW SECTIONS IN STRUCTURAL APPLICATIONS**

The mission of CIDECT is to combine the research resources of major hollow section manufacturers in order to create a major force in the research and application of hollow steel sections world...

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## **Cidect hollow sections in structural applications by Pedro ...**

The next edition of Eurocode 3 for steel structures will cover the use of steels up to S700 (700 MPa), or approximately 100 ksi yield strength, including hollow sections. This has caused another reexamination of the so-called “material

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factors” that will be required for HSS connections. Behavior of High-Strength HSS Connections

## **Connection Design With High-Strength HSS | Steel Tube ...**

A site joint consisting of hollow sections with end plates will be designed. It is the bottom chord of a truss which has to be

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divided for transport reasons. This example is described in. The design according to Section 6.2 of DIN EN 1993-1-8 applies to I and H sections and is not applicable in this case.

## **Designing End Plate Connection of Hollow Sections Under ...**

Author: COMITE INTERNATIONAL POUR

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LE DEVELOPPEMENT ET LETUDE DE LA  
CONSTRUCTION  
TUBULAIRE(CIDECT)|WARDENIER JAAP  
Publisher: TUV Rhineland Publish Date:  
31/12/1990 Media Type: Book Isbn: 3  
885 85 975 0 Call Number: 624.014.27  
COM Code ID: 3416 Series: Construction  
with hollow steel sections CIDECT no.1 c

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## **ASI - Design guide for circular hollow section (CHS ...**

UPDATE FOR 'DESIGN OF STRUCTURAL  
STEEL HOLLOW SECTION  
CONNECTIONS—VOLUME 1 DESIGN  
MODELS', First edition 1996 A.A. SYAM  
AND B.G. CHAPMAN INTRODUCTION The  
1996 publication is under consideration  
for updating by the Australian Steel

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## **(PDF) CONSTRUCTION WITH HOLLOW STEEL SECTIONS DESIGN GUIDE ...**

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Sections in Structural Applications The  
mission of CIDECT is to combine the  
research resources of major hollow  
section manufacturers in order to create



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a major force in the research and application of hollow

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systems for concrete filled structural steel hollow (CFS) sections in the UK typically requires three input parameters in practice: (1) a required fire resistance rating; (2) and 'effective' section factor; and (3) a limiting steel temperature for the hollow structural section.

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