STEEL BUILDINGS IN EUROPE

Single-Storey Steel Buildings
Part 9: Introduction to Computer Software

1.2 Use of software

No systematic review of the software listed in this document has been undertaken, so the user must verify that the software is appropriate for the design situation.

2 AVAILABLE FREE SOFTWARE

2.1 Member design, such as beams and columns

Software	Verifica di profili sottili piegati a freddo
Scope	Design and analysis of cold formed sections
Design Standard	EN 1993-1-3, EN10162
National Annex	Italian NTC2008
Source	http://www.promozioneacciaio.it/costruttori_schede.php
Language	Italian

Software	Corus sections interactive "blue book"
Scope	The Corus sections interactive "blue book" comprises design data for the Advance®, Celsius® and Hybox® ranges of sections. All design data is generated from the root software functions used to populate SCI P363: Steel Building Design: Design Data, in accordance with Eurocodes and the UK National Annexes and SCI P202: Steelwork Design Guide to BS 5950-1: 2000. Volume 1 - Section Properties - Member Capacities.
Design Standard	BS 5950 and BS EN 1993-1-1
National Annex	UK only
Source	http://www.corusconstruction.com/en/design_guidance/the_blue_book/
Language	English

Software	A3C (ArcelorMittal CTICM Columns Calculator)
Scope	A3C is a new software that allows a structural designer to check the resistance of a member under bending moment and axial force according to EN 1993-1-1. The field of application covers rolled profiles. The ULS verifications include classification of the cross-sections, section resistance, flexural buckling, lateral torsional buckling, shear buckling and all interactions (M+N, M+V, M+N+V). Various design options are available (for example: Annex A or Annex B for interaction factors in EN 1993-1-1). A detailed calculation sheet can be edited and printed.
Design Standard	EN 1993-1-1
National Annex	French National Annex as option
Source	http://www.arcelormittal.com/sections http://www.cticm.com
Language	English, French