

ISO 10799-1:2011-09 (E)

Cold-formed welded structural hollow sections of non-alloy and fine grain steels - Part 1: Technical delivery conditions

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Classification and designation	3
4.1	Classification	3
4.2	Designation	3
5	Information to be supplied by the purchaser	4
5.1	Mandatory information	4
5.2	Options	5
5.3	Example	5
6	Requirements	6
6.1	General	6
6.2	Steel manufacturing process	6
6.3	Condition of feedstock material	6
6.4	Structural hollow section manufacturing process	6
6.5	Delivery conditions	6
6.6	Chemical composition	6
6.7	Mechanical properties	8
6.8	Technological properties	8
6.9	Surface condition	9
6.10	Non-destructive testing of welds	9
6.11	Tolerances and mass	10
7	Inspection	10
7.1	Types of inspection and testing	10
7.2	Types of inspection documentation	10
7.3	Inspection and testing	11
8	Samples	13
8.1	Frequency of tests	13
8.2	Preparation of samples and test pieces	14
9	Test methods	15
9.1	Chemical analysis	15
9.2	Mechanical tests	15
9.3	Visual examination and dimensional inspection	16
9.4	Non-destructive testing of welding	16
9.5	Retests, sorting and reprocessing	17
10	Marking	17
Annex A (normative)	Structural hollow sections of non-alloy steels -- Chemical composition and mechanical properties	18

Annex B (normative) Structural hollow sections of fine grain steels -- Chemical composition and mechanical properties	20
Annex C (normative) Location of samples and test pieces	23
Bibliography	26