

ISO 10799:2001-02 (E)

Structural steels - Cold-formed, welded, structural hollow sections - Technical delivery requirements

Contents		Page
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Classification and designations	3
4.1	Classification	3
4.2	Designations	3
5	Information to be supplied by the purchaser	4
5.1	Mandatory information	4
5.2	Options	4
5.3	Example	5
6	Requirements	5
6.1	General	5
6.2	Steel manufacturing process	5
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	7
6.8	Technological properties	8
6.9	Surface condition	8
6.10	Non-destructive testing of welds	9
6.11	Tolerances and mass	9
7	Inspection	9
7.1	Types of inspection and testing	9
7.2	Types of inspection document	9
7.3	Inspection and testing	10
8	Samples	10
8.1	Frequency of tests	10
8.2	Preparation of samples and test pieces	12
9	Test methods	13
9.1	Chemical analysis	13
9.2	Mechanical tests	14
9.3	Visual examination and dimensional inspection	14
9.4	Non-destructive testing of welding	15
9.5	Retests, sorting and reprocessing	15
10	Marking	15
Annexes A	Structural hollow sections of non-alloy steels -- Chemical composition and mechanical properties	16
B	Structural hollow sections of fine-grain steels -- Chemical composition and mechanical properties	18
C	Location of samples and test pieces	21
Bibliography	24