

# ISO 6930:2019 (E)

## High yield strength steel plates and wide flats for cold forming — Delivery conditions

---

### Contents

	Foreword
1	Scope
2	Normative references
3	Terms and definitions
4	Dimensions and tolerances
4.1	General
4.2	Mandatory information
5	Classification and designation
5.1	Classification
5.2	Designation
5.3	Using Annexes A, B and C
6	Technical requirements
6.1	Steelmaking process
6.2	Method of deoxidation
6.3	Production process
6.4	Delivery condition
6.5	Chemical composition
6.5.1	Heat analysis
6.5.2	Product analysis tolerances
6.6	Dimensions tolerances and surface condition
6.7	Internal soundness
7	Mechanical properties
7.1	Tensile properties
7.2	Impact properties
7.3	Technical properties
7.3.1	Weldability
7.3.2	Bending and cold-edging ability
8	Inspection and testing
8.1	General
8.2	Test unit
8.2.1	Product analysis
8.2.2	Mechanical properties
8.3	Position and orientation of sample
8.4	Preparation
8.4.1	Tensile test pieces
8.4.2	Impact test pieces
8.5	Testing
8.5.1	Tensile Test
8.5.2	Impact test
8.5.3	Bend test
8.5.4	Product analysis
8.6	Retests
9	Inspection documents

**10            Sorting and reprocessing**

**11            Marking**

**Annex A    (normative) Chemical composition and mechanical properties of normalized and normalized rolled steels for steel grades S260NC, S315NC, S355NC and S420NC**

**Annex B    (normative) Chemical composition and mechanical properties of thermomechanically rolled steels for steel grades S315MC, S355MC, S420MC, S460MC, S500MC, S550MC, S600MC, S650MC, S700MC, S900MC and S960MC**

**Annex C    (normative) Chemical composition and mechanical properties for steel grades S345, S415, S485, S550 and S690**

**Page count: 14**