

ISO 643:2003-02 (E)

Steels - Micrographic determination of the apparent grain size

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols and abbreviated terms	2
5	Principle	2
6	Selection and preparation of the specimen	5
6.1	Test location	5
6.2	Revealing ferritic grain boundaries	5
6.3	Revealing austenitic and prior-austenitic grain boundaries	5
7	Characterization of grain size	10
7.1	Characterization by an index	10
7.2	Characterization by the intercept method	11
8	Test report	14
Annex A (informative)	Summary of methods for revealing ferritic, austenitic or prior-austenitic grain boundaries in steels	15
Annex B (normative)	Determination of grain size -- Standard charts taken from ASTM E112	16
Annex C (normative)	Evaluation method	31