

# DIN EN ISO 643:2013-05 (E)

## Steels - Micrographic determination of the apparent grain size (ISO 643:2012)

---

<b>Contents</b>		Page
Foreword .....		3
1	Scope .....	4
2	Normative references .....	4
3	Terms and definitions .....	4
4	Symbols and abbreviated terms .....	5
5	Principle.....	5
6	Selection and preparation of the specimen.....	7
6.1	Test location .....	7
6.2	Revealing ferritic grain boundaries .....	8
6.3	Revealing austenitic and prior-austenitic grain boundaries.....	8
7	Characterization of grain size .....	12
7.1	Characterization by an index .....	12
7.2	Characterization by the intercept method .....	14
8	Test report.....	17
<b>Annex A (informative) Summary of methods for revealing ferritic, austenitic or prior-austenitic grain boundaries in steels .....</b>		<b>18</b>
<b>Annex B (normative) Determination of grain size — Standard charts taken from ASTM E112.....</b>		<b>19</b>
<b>Annex C (normative) Evaluation method .....</b>		<b>34</b>