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

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Abbreviation

ISO 643:2012

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Standards New Zealand

Author

International Organisation for Standardization

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ISO Standard

Format

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**Description**

This Standard specifies a micrographic method of determining apparent ferritic or austenitic grain size in steels. It describes the methods of revealing grain boundaries and of estimating the mean grain size of specimens with unimodal size distribution.

Although grains are three-dimensional in shape, the metallographic sectioning plane can cut through a grain at any point from a grain corner, to the maximum diameter of the grain, thus

producing a range of apparent grain sizes on the two-dimensional plane, even in a sample with a perfectly consistent grain size.

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