

ISO 642:2024-08 (E)

Steel - Hardenability test by end quenching (Jominy test)

Contents		Page
Foreword.....		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols and designations	1
5	Principle	2
6	Form of test pieces and their preparation	2
6.1	Sampling.....	2
6.2	Dimensions.....	3
6.3	Heat treatment.....	4
6.4	Machining.....	4
7	Apparatus	4
8	Heating and quenching of test piece	6
8.1	Heating.....	6
8.2	Quenching.....	6
9	Measurement of hardness after quenching	7
10	Expression of results	8
10.1	Hardness at any one point.....	8
10.2	Drawing of the hardness curves.....	8
10.3	Description of the hardenability characteristics of a particular steel.....	9
10.4	Codification of test result.....	9
11	Test report	10
Annex A (informative)	Specification for the hardenability of a product	11
Annex B (informative)	Additional information to Clause 11	15
Annex C (informative)	Computational methods for determination of hardenability	18
Bibliography		19