

ISO 6508-1:2016-08 (E)

Metallic materials - Rockwell hardness test - Part 1: Test method

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Principle	1
4	Symbols, abbreviated terms and designations	2
5	Testing machine	4
6	Test piece	5
7	Procedure	5
8	Uncertainty of the results	7
9	Test report	7
10	Conversions to other hardness scales or tensile strength values	8
Annex A (normative) Special HR30T _{Sm} and HR15T _{Sm} test for thin products		9
Annex B (normative) Minimum thickness of the test piece in relation to the Rockwell hardness		10
Annex C (normative) Corrections to be added to Rockwell hardness values obtained on convex cylindrical surfaces		13
Annex D (normative) Corrections to be added to Rockwell hardness C scale values obtained on spherical test surfaces of various diameters		16
Annex E (normative) Daily verification procedure		17
Annex F (normative) Inspection of diamond indenters		20
Annex G (informative) Uncertainty of the measured hardness values		21
Annex H (informative) CCM -- Working group on hardness		28
Annex I (informative) Rockwell hardness measurement traceability		29
Bibliography		32