

ISO 18203:2026-01 (E)

Steel - Determination of the thickness of surface-hardened layers

Contents		Page
Foreword.....		iv
Introduction.....		v
1	Scope.....	1
2	Normative references.....	1
3	Terms and definitions.....	1
4	Symbols, abbreviated terms and designations.....	3
5	Principle.....	4
6	Apparatus.....	4
7	Test specimen.....	4
	7.1 General.....	4
	7.2 Measurement capability.....	4
	7.3 Preparation of the surface to be examined.....	5
8	Method of measurement.....	6
	8.1 CHD, SHD and NHD by hardness measurement.....	6
	8.2 THD by hardness measurement.....	7
	8.3 THD by microscopic measurement.....	7
9	Evaluation of the results.....	8
	9.1 Case hardening depth (CHD), surface hardening depth (SHD) and nitriding hardness depth (NHD).....	8
	9.2 Total thickness of surface hardening depth (THD).....	9
10	Test report.....	9
Annex A (normative) Interpolation method for determining the case hardening depth (CHD) - surface hardening depth (SHD) - nitriding hardness depth (NHD).....		11
Bibliography.....		13