

DIN EN ISO 8503-3:2012-06 (E)

Preparation of steel substrates before application of paints and related products -
Surface roughness characteristics of blast-cleaned steel substrates - Part 3: Method
for the calibration of ISO surface profile comparators and for the determination of
surface profile - Focusing microscope procedure (ISO 8503-3:2012)

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Normative reference	5
3	Terms and definitions	5
4	Principle	5
5	Apparatus	6
6	Test surfaces	6
6.1	ISO surface profile comparator	6
6.2	Blast-cleaned steel substrates/replica	6
7	Procedure for measurement of maximum peak-to-valley height	6
8	Calculation and expression of results	7
9	Test report	7
Annex A (normative) Determination of backlash (play) in the microscope adjustment mechanism		9
Annex B (normative) Test report for the calibration of ISO surface profile comparators and for the determination of surface profiles		10
Annex C (normative) Form for recording surface profile measurements made in accordance with this part of ISO 8503		11
Annex D (informative) Guidance notes for calibrating ISO surface profile comparators using a focusing microscope		12
Annex E (informative) Guidance notes for the preparation and measurement of replicas		14
Bibliography		15