

ICS 25.220.10

CCS A 29



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 13288.3-2009

**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**

涂覆涂料前钢材表面处理 喷射清理后的钢材表面粗糙度特性 第3部分：ISO表面
粗糙度比较样块的校准和表面粗糙度的测定方法 显微镜调焦法

(English Translation)

Issued on: March 9, 2009

Implemented on: November 1, 2009

Issued by: Standardization Administration of China

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Foreword

GB/T 13288 "steel substrates before application of paints and spray cleaned steel surface roughness characteristics" is divided into the following sections.

--- Part 1. Technical requirements for the Assessment of blast - cleaned steel surface roughness of ISO surface profile comparators and definition;

--- Part 2. Determination after abrasive blast cleaning of steel surface roughness comparison specimens class method;

--- Part 3. Calibration and surface roughness measurement method ISO surface roughness comparison specimens microscope focusing method;

--- Part 4. ISO calibration of surface roughness and surface roughness comparison specimens measuring method stylus method;

--- Part 5. Determination of surface roughness Replica tape method.

This section GB/T 13288 Part 3.

This section identical with ISO 8503-3. 1988 "before and after application of paints and surface treatment of steel surface roughness characteristics of blast - cleaned steel Part 3. Calibration and surface roughness measurement method ISO surface roughness comparison specimens microscope focusing Law "(in English).

This section is equivalent translation ISO 8503-3. 1988.

For ease of use, this section made the following editorial changes.

--- "This International Standard" be replaced by "this section";

--- "." --- With a decimal point instead of a comma as the decimal point, "";

--- With a comma "," instead of a comma as described, "";

--- Remove the foreword and introduction of international standards.

This section of the Appendix A, Appendix B and Appendix C are normative appendices,

Appendix D and Appendix E is an informative annex.

This part is proposed by the China State Shipbuilding Corporation.

This part of the National Standardization Technical Committee before painting and metal surface treatment and painting processes Technical Committee paint pigment (SAC/TC5/SC6) centralized.

This section drafted by. China Shipbuilding Technology and Economy Research Institute, China Shipbuilding Industry Corporation 11th Institute, Shandong Kai Tai Metal Abrasive Co., Ltd.

1 Scope

This section GB/T 13288 specifies the calibration surface and in line with GB/T 13288.1 requirements of ISO surface profile comparators block Determination of roughness microscope focusing methods.

Roughness measurement. If the surface roughness can not be directly observed, injection should be cleaned on a substrate has a surface area representative or Determination of surface roughness on a copy of the surface (see Appendix E).

Note: In the right place, this assay can also be used to evaluate the surface roughness by the other abrasive blast cleaning of the substrate.

An alternative method, see ISO 8503-4.

2 Normative references

The following documents contain provisions which, through reference GB/T 13288 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

Part 1 Steel Surface roughness characteristics of blast - cleaned steel substrates before GB/T 13288.1-2008 coated paint Score. used to assess the technical requirements and definitions (ISO 8503-1 after blast - cleaned steel surface roughness ISO surface roughness comparison specimens of.

1988, IDT)

ISO 4618 Paints and varnishes - Terms and definitions ISO 8503-21) steel surface blast cleaned steel substrates before application of paints roughness characteristics - Part 2. Abrasive jet Determination of surface roughness after exit cleaned steel grade comparison specimen method ISO 8503-4 steel surfaces coated with paint spray steel surface

treatment after cleaning roughness characteristics - Part 4. ISO table Calibration and surface roughness comparison specimens surface roughness measuring method stylus method ISO 8504-22) before application of paints and surface treatment of steel surface treatment method - Part 2. Abrasive blast - cleaning

- 1) GB/T 13288-1991 of reference adopted ISO 8503. 1985.
- 2) GB/T 18839.2-2002 is equivalent to ISO 8504-2:2000.

3 Terms and Definitions

GB/T 13288.1-2008 and terms and definitions established ISO 4618 applies to GB/T 13288 in this section.

Principle 4

Viewing area the sample surface was observed with a microscope in a predetermined specified. According to the observation area to adjust the focal length of the microscope objective, determined by the same GB/T 13288.3-2009/ISO 8503-3. 1988