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**Non-destructive testing —
Automatic inspection system for inner
diameter surface of machining holes —
Part 1: Standard test blocks**

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Foreword

This Japanese Industrial Standard has been established by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law.

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Non-destructive testing — Automatic inspection system for inner diameter surface of machining holes — Part 1 : Standard test blocks

1 Scope

This Japanese Industrial Standard specifies the requirements for the standard test blocks that are used for inspection and calibration of systems mainly used for the automatic inspection of flaws on inner diameter surface of machining holes used in automobile and industrial machine components (hereafter referred to as the standard test blocks).

NOTE Standard test blocks are also called master works, master pieces or masters.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

- JIS B 0021 *Geometrical product specifications (GPS) — Geometrical tolerancing — Tolerancing of form, orientation, location and run-out*
- JIS B 0401-1 *Geometrical product specifications (GPS) — ISO code system for tolerances on linear sizes — Part 1 : Basis of tolerances, deviations and fits*
- JIS B 0651 *Geometrical Product Specifications (GPS) — Surface texture : Profile method — Nominal characteristics of contact (stylus) instruments*
- JIS G 5501 *Grey iron castings*
- JIS G 5502 *Spheroidal graphite iron castings*
- JIS H 4100 *Aluminium and aluminium alloy extruded profiles*
- JIS Z 2300 *Terms and definitions of nondestructive testing*
- JIS Z 8102 *Names of non-luminous object colours*
- ISO/IEC Guide 98-3 *Uncertainty of measurement — Part 3 : Guide to the expression of uncertainty in measurement (GUM : 1995)*

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions, and those given in JIS Z 2300 apply.

3.1