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JIS B 7184^{:2021} (JOMA/JSA) Profile projectors

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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Optical Measuring Instruments Manufacturers' Association (JOMA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (JIS B 7184 : 1999), which has been technically revised.

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Profile projectors

1 Scope

This Japanese Industrial Standard specifies the requirements for the profile projectors that measure the length, angle and profile of an object by magnifying and projecting the optical image of the object directly onto the screen, which consist of a projection lens, screen, lighting equipment, precision cross-moving table and the body for the support of these components.

2 Normative references

Part or all of the provisions of the following standards, 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 0641-1	1 Geometrical Product Specifications (GPS) — Inspection by meas- urement of workpieces and measuring equipment — Part 1 : Deci- sion rules for proving conformance or nonconformance with specifi- cations
JIS B 0680	<i>Geometrical Product Specifications (GPS)</i> — <i>Standard reference temperature for geometrical product specification and verification</i>
JIS B 7526	Squares
JIS B 7536	Electrical comparators
JIS B 7541	Standard scales
JIS R 6001-2	2 Bonded abrasives — Determination and designation of grain size distribution — Part 2 : Microgrits

JIS Z 8120 Glossary of optical terms

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions, and those given in **JIS Z 8120** apply.

3.1

screen

glass panel to display the projected image of object

Note 1 to entry A screen equipped with a rotation mechanism and a reading mechanism of rotation angle is called a rotating screen.

3.2

projection lens