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(JSAA/JSA)

**Personal eye protectors for optical
radiations**

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Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

In the event of any doubts arising as to the contents,
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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Health, Labour and Welfare and 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 Safety Appliances Association (JSAA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS T 8141:2003** is replaced with this Standard.

However, **JIS T 8141:2003** may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until October 24, 2017.

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Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Ministers and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

Personal eye protectors for optical radiations

Introduction

This Japanese Industrial Standard has been prepared based on the first editions of **ISO 4849**, **ISO 4854**, and **ISO 4855** published in 1981, the first edition of **ISO 4850** published in 1979, and the second edition of **ISO 4007** published in 2012, modifying some of their technical contents to bring them into consistency with the **JIS** standard structure and to accommodate needs and situations unique to Japan.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standards. A list of modifications with the explanations is given in Annex JB.

1 Scope

This Standard specifies personal eye-protectors for optical radiations (hereafter referred to as eye-protectors) intended to protect the eyes of workers in the work sites where ultraviolet radiation and infrared radiation, and intense visible radiation hazardous to eyes (hereafter referred to as hazardous radiations) are produced. It is not applicable to face protectors for welding.

The hazardous radiations as referred to in this Standard do not include laser beams.

NOTE : The International Standards corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 4007:2012 *Personal protective equipment—Eye and face protection—Vocabulary*

ISO 4849:1981 *Personal eye-protectors—Specifications*

ISO 4850:1979 *Personal eye-protectors for welding and related techniques—Filters—Utilisation and transmittance requirements*

ISO 4854:1981 *Personal eye-protectors—Optical test methods*

ISO 4855:1981 *Personal eye-protectors—Non-optical test methods* (Overall evaluation: MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standards and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

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 1501 *Rolling bearings—Balls*

JIS B 7183 *Lens-meters*

JIS B 7538 *Autocollimators*