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(JIRA/JSA)

# Protective devices against diagnostic medical X-radiation — Part 2: Translucent protective plates

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

This Japanese Industrial Standard has been established by the Minister of Health, Labour and Welfare and the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Japan Medical Imaging and Radiological Systems Industries Association (JIRA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act.

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

**JIS T 61331** series consists of the following 3 parts under the general title *Protective devices against diagnostic medical X-radiation* —

*Part 1: Determination of attenuation properties of materials*

*Part 2: Translucent protective plates*

*Part 3: Protective clothing, eyewear and protective patient shields*



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# Protective devices against diagnostic medical X-radiation — Part 2: Translucent protective plates

## Introduction

This Japanese Industrial Standard has been prepared based on **IEC 61331-2** : 2014, Edition 2, with some modifications of the technical contents to reflect the unique conditions in Japan.

The dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

In this Standard, terms defined in **JIS T 0601-1**, **JIS Z 4005**, **IEC 60050-393**, **ISO/IEC Guide 99** and Clause **3** of this Standard are presented in small capitals.

## 1 Scope

This Standard applies to TRANSLUCENT PROTECTIVE PLATES (PROTECTIVE GLASS PLATES) used for RADIATION PROTECTION in X-RAY diagnosis and in X-RAY THERAPY.

It does not cover other translucent RADIATION PROTECTION materials, e.g.

— leaded glasses or goggles for protection of the OPERATOR'S eyes,

— leaded face shields, which cover the entire face of the OPERATOR,

— PATIENT eye protection, and

— thyroid/neck PROTECTIVE DEVICES.

This Part 2 deals with the requirements on

— geometrical accuracy;

— optical quality of the material;

— spectral TRANSMITTANCE;

— RADIATION ATTENUATION properties;

— marking;

— statement of compliance with this Standard.

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

IEC 61331-2 : 2014 *Protective devices against diagnostic medical X-radiation — Part 2: Translucent protective plates* (MOD)

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

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