

JIS

JAPANESE INDUSTRIAL STANDARD

**Shielding devices for stand-by
radiation**

JIS Z 4713—1992

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Shielding devices for stand-by
radiation

Z 4713-1992

1. Scope

This Japanese Industrial Standard specifies the shielding devices for stand-by radiation that are used in the combination with: capacitor-discharge X-ray high potential generators for diagnostic use specified in JIS Z 4702; grid-control X-ray tube assemblies specified in JIS Z 4704; and variable X-ray beam limiting devices specified in JIS Z 4712, (briefly, shielding devices).

The related items outside this standard shall be covered by JIS Z 4701.

Remarks 1. The applicable standards of this standard are as follows.

JIS T 1005 Style Manual for Instruction Manuals

JIS Z 4005 Medical Radiology - Terminology

JIS Z 4701 General Rules for Medical X-Ray Equipment

JIS Z 4702 General Rules for High Potential Generators of Medical X-Ray Apparatus

JIS Z 4704 General Rules on Medical X-Ray Tube Assemblies

JIS Z 4712 Variable X-Ray Beam Limiting Devices for Diagnostic Use

2. The units and numerical values given in { } in this standard are based on the traditional units, and are appended for informative references.

2. Definitions

For the purpose of this standard, the following definition applies. Other terms and the definitions are given in the clause "Definitions" of JIS Z 4005 and JIS Z 4701.

Shielding devices for stand-by radiation Devices to effectively shield stand-by radiation and other radiations that an X-ray tube emits outside the irradiating time.

Remarks: Other radiations mean the radiations emitted when the tube voltage is adjusted and when the residual electric charges are discharged. However, stand-by radiation emitted on the half way of opening or closing operation of shielding device shall not be included.