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**Radiographic examination with film for  
the weld seam of welded steel tubes**

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## Contents

	Page
Introduction .....	1
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions .....	2
4 General requirements .....	2
4.1 Timing of inspection .....	2
4.2 Inspection operators .....	3
4.3 Steel tube properties .....	3
4.4 Identification of weld seam position .....	3
4.5 Identification symbols .....	3
4.6 Permanent markings .....	3
4.7 Overlap of film .....	3
5 Test method .....	4
5.1 General .....	4
5.2 Image quality classes .....	4
5.3 Film system and intensifying screen .....	4
5.4 Salt intensifying screen .....	4
5.5 Back-scattered and internally scattered X-ray radiation .....	4
5.6 Direction of the beam of radiation .....	5
5.7 Diagnostic length .....	5
5.8 Exposure techniques .....	5
5.9 Separation between the film and the weld surface .....	5
5.10 Source-to-weld distance .....	5
5.11 Exposure conditions .....	5
5.12 X-ray tube voltage .....	6
6 Image quality .....	7
6.1 Image quality and image quality indicator .....	7
6.2 IQI value corresponding to the image quality classes .....	10
6.3 Application of IQI for the double wall penetration technique .....	13
7 Processing of film .....	13
8 Viewing conditions for radiographs .....	13
9 Classification of indications .....	13
9.1 Classification .....	13
9.2 Imperfections .....	13
9.3 Defects .....	14

10	Acceptance limits	14
10.1	General	14
10.2	Cracks, incomplete penetration and lack of fusion	14
10.3	Slag inclusions and gas pockets	14
10.4	Elongated slag inclusions	14
10.5	Undercuts	14
10.6	Undercuts on the inside and outside welds	15
11	Acceptance	15
11.1	Steel tubes without defects	15
11.2	Steel tubes with defects	15
11.3	Handling of suspect tubes	15
12	Test report	16
Annex A (informative)	Examples of distribution of imperfections	17
Annex JA (informative)	Comparison table between JIS and corresponding International Standard	20

## 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 The Japan Iron and Steel Federation (JISF) 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 G 0803:2015**), which has been technically revised.

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# Radiographic examination with film for the weld seam of welded steel tubes

## Introduction

This Japanese Industrial Standard has been prepared based on **ISO 10893-6** : 2019, Edition 2, with some modifications of the technical contents.

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

## 1 Scope

This Standard specifies requirements for film-based radiographic X-ray testing of the longitudinal or helical weld seams of automatic fusion arc-welded steel tubes (hereafter referred to as steel tubes) for the detection of imperfections.

NOTE 1 As an alternative, see **JIS G 0804** established based on **ISO 10893-7** for digital radiographic testing.

NOTE 2 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 10893-6 : 2019 *Non-destructive testing of steel tubes — Part 6 : Radiographic testing of the weld seam of welded steel tubes for the detection of imperfections* (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**.

## 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 G 0203 *Glossary of terms used in iron and steel (Products and quality)*

JIS G 0431 *Steel products — Employer's qualification system for non-destructive testing (NDT) personnel*

JIS Z 2300 *Terms and definitions of nondestructive testing*

JIS Z 2305 *Non-destructive testing — Qualification and certification of NDT personnel*

JIS Z 2306 *Radiographic image quality indicators for non-destructive testing*

JIS Z 4561 *Viewing illuminators for industrial radiograph*