
Non-destructive testing of steel tubes —

Part 7:

Digital radiographic testing of the weld seam of welded steel tubes for the detection of imperfections

Essais non destructifs des tubes en acier —

*Partie 7: Contrôle par radiographie numérique du cordon de soudure
des tubes en acier soudés pour la détection des imperfections*

ISO 10893-7:2019

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Published in Switzerland

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Foreword

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This document was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 19, *Technical delivery conditions for steel tubes for pressure purposes*.

This second edition cancels and replaces the first edition (ISO 10893-7:2011), which has been technically revised. The main changes compared with the previous edition are as follows:

- a) some terms and definitions from ISO 17636-2 have been included;
- b) a safety warning for X and gamma rays has been added at the end of [Clause 4](#);
- c) [Figure 2](#) has been aligned with ISO 17636-1 up to 1 000 kV;
- d) the symbols for mathematical formula have been changed in accordance with the ISO/IEC Directives;
- e) it has been clarified in [4.7](#) when the detector size is smaller than the applicable weld length;
- f) “contact technique” has been deleted from the test method in [Clause 6](#);
- g) a reference to ISO 17636-2 has been added in [6.8](#) for additional details related to spatial resolution;
- h) the requirements for duplex wire IQI position have been added in [Clause 7](#);
- i) a reference to ISO 17636-2 for the calibration of DDAs has been added in [Clause 8](#);
- j) [Figure 4](#) and the figures in [Annex A](#) have been revised.

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