



International
Standard

ISO 10427-1

**Oil and gas industries including
lower carbon energy — Equipment
for well cementing —**

**Part 1:
Casing bow-spring centralizers**

*Industries du pétrole et du gaz, y compris les énergies à faible
teneur en carbone — Équipement de cimentation de puits —*

Partie 1: Centreurs de tubes de cuvelage

**Second edition
2024-08**

Reference number
ISO 10427-1:2024(en)

Full document details: [ISO 10427-1-2024](#)

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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 67, *Oil and gas industries including lower carbon energy*, Subcommittee SC 3, *Drilling and completion fluids, well cements and treatment fluids*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 12, *Oil and gas industries including lower carbon energy*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 10427-1:2001), which has been technically revised.

This document supplements API Spec 10D, 7th edition (2021).

The technical requirements of this document and API Spec 10D used to be identical. In the meantime, API Spec 10D has been technically revised as API Spec 10D, 7th edition (2021). The purpose of this edition of ISO 10427-1 is to bring it up to date, by referencing the current edition of API Spec 10D and including supplementary content.

The main changes compared to the previous edition are as follows:

- specification for the use of an unpainted centralizer in the running force test;
- specification for compensation of mass in the running force test;
- measurement of the centralizer maximum diameter after open hole test;
- definition of centralizer rigid OD;
- specification for the order of test.

A list of all parts in the ISO 10427 series can be found on the ISO website.

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