

International Standard

ISO 6934-2

2024-12

Second edition

Steel for the prestressing of concrete —

Part 2:

Cold-drawn wire

iTeh Standards

Acier pour armatures de précontrainte —S://Standards.teh.ai)
Partie 2: Fil tréfilé à froid

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Foreword

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This document was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 16, *Steels for the reinforcement and prestressing of concrete*.

This second edition cancels and replaces the first edition (ISO 6934-2:1991), which has been technically revised.

The main changes are as follows:

- <u>180 6934-2:2024</u>
- ISO 7800 and ISO 15630-3 are referenced as inspection method standards;
- the following are added for mill coil wire in Table 1:
 - requirements of maximum value of maximum tensile load and minimum constriction;
 - notes for characteristic 0,1 % proof forces;
 - notes for confidence interval of characteristic value:
- requirements and criteria of torsion test and stress corrosion for mill coil wire;
- fatigue test method for mill coil wire;
- the following diameter are added for stress-relieved wire in <u>Table 2</u>:
 - 1 570 MPa: 6,25 mm, 7,5 mm, 9,5 mm, 10,5 mm;
 - 1 670 MPa: 7,5 mm;
 - 1 770 MPa: 7 mm;
 - 1860 MPa: 4 mm, 5 mm, 6 mm, 7 mm;
- requirements and criteria of stress corrosion test, fatigue test method and maximum value of maximum tensile load are added for stress-relieved wire;

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- notes of "arrow-head" rupture and confidence interval of characteristic value are added in <u>Table 2</u>;
- Figure A.3 has been added in Annex A;
- <u>Figure A.1</u> and <u>Figure A.2</u> have been updated.

A list of all parts in the ISO 6934 series can be found on the ISO website.

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