International

ISO 6934-2

Steel for the prestressing of concrete —

Part 2: Cold-drawn wire

Acier pour armatures de précontrainte —
Partie 2: Fil tréfilé à froid

Second edition
2024-12

Reference number
ISO 6934-2:2024(en)

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Published in Switzerland

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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:

— 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 Table 2:

  — 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;

  — 1 860 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;

— Figure A.3 has been added in Annex A;

— Figure A.1 and Figure A.2 have been updated.

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