
**Springs — Measurement and test
parameters —**

**Part 2:
Cold formed cylindrical helical
extension springs**

Ressort - Mesures et paramètres d'essai —

Partie 2: Ressort hélicoïdal de traction cylindrique formé à froid





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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 227, *Springs*.

A list of all parts in the ISO 22705 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Springs — Measurement and test parameters —

Part 2: Cold formed cylindrical helical extension springs

1 Scope

This document specifies the measurement and test methods for general characteristics of cold formed helical extension springs made from round wire, excluding dynamic testing.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3611, *Geometrical product specifications (GPS) — Dimensional measuring equipment: Micrometers for external measurements — Design and metrological characteristics*

ISO 13385-1, *Geometrical product specifications (GPS) — Dimensional measuring equipment — Part 1: Design and metrological characteristics of callipers*

ISO 16249, *Springs — Symbols*

ISO 26909, *Springs — Vocabulary*

3 Terms, definitions, symbols and abbreviated terms

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 26909 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1.1

helical extension spring

extension spring normally made of wire of circular cross-section, wound around an axis, with or without spaces between its coils (open or closed wound)

[SOURCE: ISO 26909:2009, 3.13, modified — limited to wires with circular cross-section]

3.1.2

test parameter

parameter with a tolerance for which there is an immediate conclusion after test (within tolerance or out of tolerance)

Note 1 to entry: Test can be done without measurement (i.e. with GO/NO GO gauges).