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**BUREAU OF INDIAN STANDARDS**

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भारतीय मानक मसौदा

स्प्रिंग्स — माप और परीक्षण पैरामीटर  
भाग 2 शीत निर्मित बेलनाकार हेलिकल विस्तार स्प्रिंग्स

Draft Indian Standard

**SPRINGS — MEASUREMENT AND TEST PARAMETERS**  
**PART 2 COLD FORMED CYLINDRICAL HELICAL EXTENSION SPRINGS**

ICS: 21.160

<b>Springs and Suspension Systems Sectional Committee, TED 34</b>	<b>Last date for receipt of comments is 05/03/2024</b>
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NATIONAL FOREWORD

(Adoption Clause to be added later)

This standard is one of the part of Standards on the ‘Springs — Measurement and test parameters’. Other standard in this part is:

<i>Doc. No.</i>	<i>Title</i>
Doc 34 (23206)/ ISO 22705-1: 2021	Springs — Measurement and Test Parameters Part 1 Cold Formed Cylindrical Helical Compression Springs ( <i>under development</i> )

The text of ISO standard is proposed for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.
- Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 13385-1 Geometrical product specifications (GPS) — Dimensional measuring equipment — Part 1 Design and	IS 16491 (Part 1) : 2016/ ISO 13385-1 : 2011 Geometrical product specifications (GPS) — Dimensional measuring equipment: Part 1 calipers; design and metrological characteristics	Identical under dual numbering

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
metrological characteristics of callipers		
ISO 16249 Springs — Symbols	IS/ISO 16249 : 2013 Springs — Symbols	Identical under single numbering
ISO 26909 Springs — Vocabulary	IS/ISO 26909 : 2009 Springs — Vocabulary	Identical under single numbering

The technical committee has reviewed the provisions of the following International Standard referred in this adopted standard and has decided that it is acceptable for use in conjunction with this standard. For undated references, the latest edition of the referenced document applies, including any corrigenda and amendment:

<i>International Standard/ Others Publications</i>	<i>Title</i>
ISO 3611:2023	Geometrical product specifications (GPS) Dimensional measuring equipment Design and metrological characteristics of micrometers for external measurements

Attention is drawn to the possibility that some of the elements of this standard may be the subject of patent rights. The Bureau of Indian Standards shall not be held responsible for identifying any or all such patent rights.

In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off it shall be done in accordance with IS 2: 2022 'Rules for rounding off numerical values (*second revision*)'

## **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.

**FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 22705-2: 2023 or CONTACT:**

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