
**Tools for pressing — Compression
springs with rectangular section —
Housing dimensions and colour coding**

*Outillage de presse — Ressorts de compression à section
rectangulaire — Dimensions d'encombrement et code couleur*





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Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Technical specifications	1
4.1 General.....	1
4.2 Tolerances for free length, L_0	2
4.3 Light spring rate (green).....	2
4.4 Medium spring rate (blue).....	6
4.5 Strong spring rate (red).....	10
4.6 Extra strong spring rate (yellow).....	14
5 Designation	18
Bibliography	19

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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 29, *Small tools*, Subcommittee SC 8, *Tools for pressing and moulding*.

This third edition cancels and replaces the second edition (ISO 10243:2010), which has been technically revised. It also incorporates the Amendment ISO 10243:2010/Amd 1:2011.

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

- some values of spring rate have been modified in [Table 2](#) to [Table 5](#);
- a column giving the force at maximum operating deflection has been added in [Table 2](#) to [Table 5](#).

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.

Tools for pressing — Compression springs with rectangular section — Housing dimensions and colour coding

1 Scope

This document establishes the technical specifications for compression springs made from rectangular wires.

The parameters set in this document are applicable to springs which are set. This document does not attempt to specify the quality of the springs themselves, nor all of their dimensions (e.g. cross-section), their material or their length of life.

The springs are classified into spring rates: light, medium, strong and extra strong. For each spring rate, this document gives a colour code.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

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

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

3.1

spring rate

force required to deflect a compression spring by one unit of length

[SOURCE: : ISO 26909:2009, 5.21, modified — Limited the definition to compression spring.]

4 Technical specifications

4.1 General

Compression springs in accordance with this document shall comply with [Figure 1](#) and the provisions of [4.2](#) to [4.6](#).