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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 36524-2018

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

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the redrafting method to modify the ISO 10243.2010 "die rectangular section compression spring installation size and color standard knowledge".

There are technical differences between this standard and ISO 10243.2010. The terms involved in these differences have been passed through the margins on the outer side of the page.

The vertical single line (-) is marked. The corresponding technical differences and their reasons are as follows.

--- Change the tolerance "+/-1%" in Table 1 to "+/-1%L0" to make the statement clearer.

This standard also made the following editorial changes.

---Modified the tolerance of "2.2 free length L0" "The tolerance of free length L0 should meet the requirements of Figure 1 and Table 1."

The tolerance of length L0 shall be in accordance with Table 1. ";

--- Removed the separator between the size code or the value and the unit in Table 2~Table 5.

This standard is proposed and managed by the National Die Standardization Technical Committee (SAC/TC33).

This standard was drafted. Anhui Jianghuai Automobile Group Co., Ltd., Changzhou Dongli Machinery Co., Ltd., Anhui Qingtian Weijia equipment

Manufacturing Co., Ltd., South China University of Technology, Dongguan Zhengbiao Testing Technology Co., Ltd., Ningbo Hongxie Co., Ltd., Anhui University of Architecture,

Xiamen Meike Security Technology Co., Ltd., Zhejiang Ouyi Smart Kitchen Co., Ltd., Xi'an Xumai Intelligent Appliance Technology Co., Ltd., Guilin

Electrical Science Research Institute Co., Ltd.

1 Scope

This standard specifies the technical requirements for compression springs made of rectangular cross-section metal wires and gives the color of each spring grade.

Logo.

This standard parameter applies to the installation of the spring, does not specify the quality of the spring itself, nor does it cover all spring sizes (such as section size),

Material or life.

This standard divides springs into four grades. light, medium, heavy and extra heavy.

2.1 General requirements

Compression springs conforming to this standard shall comply with the requirements of Figures 1 and 2.2 to 2.6.

Figure 1 compression spring

2.2 Tolerance of free length L_0

The tolerance of the free length L_0 shall be in accordance with Table 1.