

INTERNATIONAL STANDARD

ISO
10069-2

First edition
1991-11-01

Tools for pressing — Elastomer pressure springs —

Part 2:

Specification of accessories
(standards.iteh.ai)

Outillage de presse — Ressorts de compression en élastomère —

ISO 10069-2:1991
Partie 2: Spécifications des accessoires

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Reference number
ISO 10069-2:1991(E)

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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 10069-2 was prepared by Technical Committee ISO/TC 29, *Small tools*, Sub-Committee SC 8, *Tools for pressing and moulding*.

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ISO 10069 consists of the following parts, under the general title *Tools for pressing — Elastomer pressure springs*:

- *Part 1: General specification*
- *Part 2: Specification of accessories*

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Tools for pressing — Elastomer pressure springs —

Part 2:
Specification of accessories

1 Scope

This part of ISO 10069 specifies the dimensions, in millimetres, of spring collars and pilot pins intended for use in press tools together with elastomer pressure springs in accordance with ISO 10069-1.

It also gives information concerning materials and their hardness, and specifies the designation of spring collars and pilot pins in accordance with this part of ISO 10069.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this part of ISO 10069. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this part of ISO 10069 are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 10069-1:1991, *Tools for pressing — Elastomer pressure springs — Part 1: General specification.*

3 Dimensions

3.1 Spring collars

See figure 1 and table 1.

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Surface roughness values in micrometres

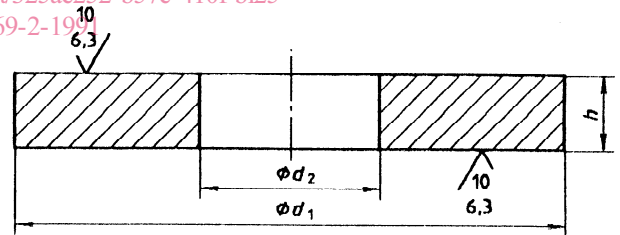


Figure 1

Table 1

d_1	20	25	30	40	50	60	80	100	120	150
d_2	6,5	8,5	10,5	13,5	13,5	16,5	16,5	20,5	20,5	26
h	4	4	5	5	5	6	6	8	8	8

3.2 Pilot pins

See figure 2 and table 2.

4 Materials and their hardness

The material and the hardness are left to the manufacturer's discretion.

5 Designation

5.1 A spring collar for elastomer pressure springs in accordance with this part of ISO 10069 shall be designated by

- a) "Spring collar";
- b) reference to this part of ISO 10069 (i.e. ISO 10069-2);
- c) its diameter, d_1 .

EXAMPLE

A spring collar of diameter $d_1 = 20$ mm is designated as follows:

Spring collar ISO 10069-2 - 20

5.2 A pilot pin in accordance with this part of ISO 10069 shall be designated by

- a) "Pilot pin";
- b) reference to this part of ISO 10069 (i.e. ISO 10069-2);
- c) its diameter, d_1 ;
- d) its length, l_1 .

EXAMPLE

A pilot pin of diameter $d_1 = 6$ mm and length $l_1 = 20$ mm is designated as follows:

Pilot pin ISO 10069-2 - 6 × 20

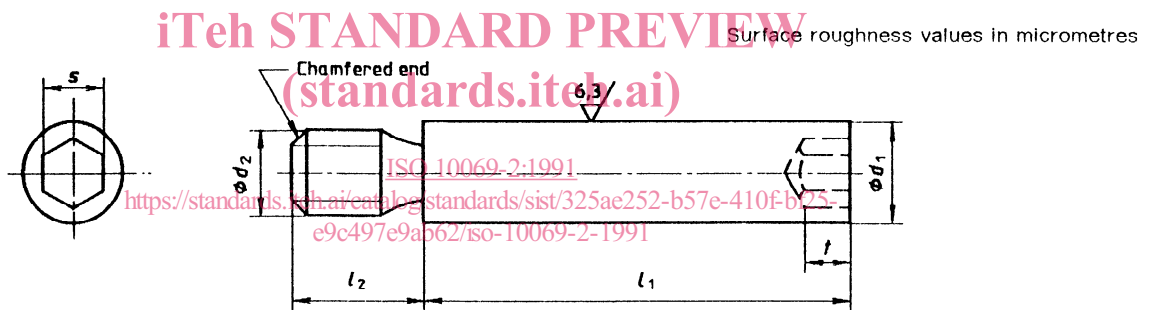


Figure 2

Table 2

d_1 h11	l_1	d_2	l_2	s	t
6	20	M4	6	3	2,5
	25				
	32				
	40				
8	25	M6	9	4	3
	32				
	40				
	50				
10	32	M8	15	5	4
	40				
	50				
	63				
13	40	M10	15	6	5
	50				
	63				
	80				
	95				
16	63	M12	18	8	6
	80				
	95				
	118				
	140				
20	95	M16	25	10	8
	118				
	140				
	180				
	224				
25	140	M20	30	14	10
	180				
	224				
	265				
	340				

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Descriptors: presses, tools, rubber products, springs, pressure springs, accessories, specifications, dimensions, designation.

Price based on 3 pages
