

# INTERNATIONAL STANDARD

ISO  
8752

First edition  
1987-11-01



INTERNATIONAL ORGANIZATION FOR STANDARDIZATION  
ORGANISATION INTERNATIONALE DE NORMALISATION  
МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ

## Spring-type straight pins, slotted

*Goupilles cylindriques creuses, dites goupilles élastiques*

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ISO 8752:1987  
<https://standards.iteh.ai/catalog/standards/sist/4e4eb650-b33a-4c62-8fb8-f0B2c21150/iso-8752-1987>

## 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 8752 was prepared by Technical Committee ISO/TC 2, *Fasteners*.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

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# Spring-type straight pins, slotted

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## 1 Scope and field of application

ISO 8752:1987

This International Standard specifies the characteristics of slotted spring-type straight pins with metric dimensions and nominal diameters,  $d_1$ , from 1 to 50 mm inclusive.

NOTE — The nominal diameters have been chosen in such a way that pins may be fitted one into the other.

## 2 References

ISO 3269, *Fasteners — Acceptance inspection.*

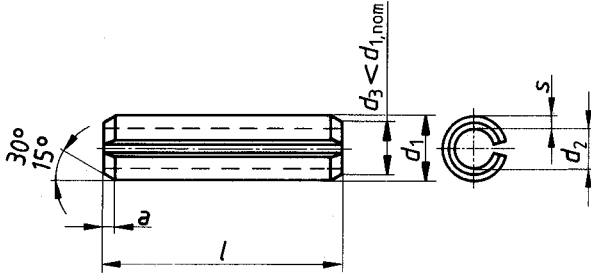
ISO 8749, *Pins and grooved pins — Shear test.*

3 Dimensions

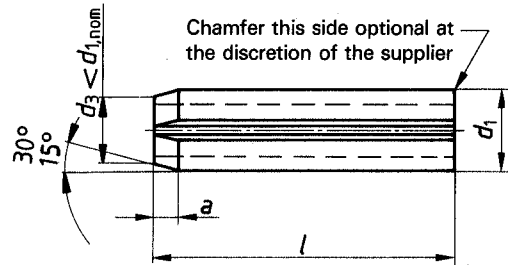
Type A : Standard spring pin

Type B : Non-interlocking spring pin<sup>1)</sup>

Spring pin with nominal diameter  $d_1 < 12$  mm



Spring pin with nominal diameter  $d_1 > 12$  mm



		nom.	1	1,5	2	2,5	3	3,5	4	4,5	5	6	8	10
$d_1$	before mounting	min.	1,2	1,7	2,3	2,8	3,3	3,8	4,4	4,9	5,4	6,4	8,5	10,5
		max.	1,3	1,8	2,4	2,9	3,5	4	4,6	5,1	5,6	6,7	8,8	10,8
$d_2$	before mounting	≈	0,8	1,1	1,5	1,8	2,1	2,3	2,8	2,9	3,4	4	5,5	6,5
$a$		min.	0,15	0,25	0,35	0,4	0,5	0,6	0,65	0,8	0,9	1,2	2	2
		max.	0,35	0,45	0,55	0,6	0,7	0,8	0,85	1	1,1	1,4	2,4	2,4
$s$			0,2	0,3	0,4	0,5	0,6	0,75	0,8	1	1	1,2	1,5	2
Minimum shear strength, double kN			0,7	1,58	2,82	4,38	6,32	9,06	11,24	15,36	17,54	26,04	42,76	70,16

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nom.		$l^{2)}$													
		min.	max.												
4	3,75	4,25													
5	4,75	5,25													
6	5,75	6,25													
8	7,75	8,25													
10	9,75	10,25													
12	11,5	12,5													
14	13,5	14,5													
16	15,5	16,5													
18	17,5	18,5													
20	19,5	20,5													
22	21,5	22,5													
24	23,5	24,5													
26	25,5	26,5													
28	27,5	28,5													
30	29,5	30,5													
32	31,5	32,5													
35	34,5	35,5													
40	39,5	40,5													
45	44,5	45,5													
50	49,5	50,5													
55	54,25	55,75													
60	59,25	60,75													
65	64,25	65,75													
70	69,25	70,75													
75	74,25	75,75													
80	79,25	80,75													
85	84,25	85,75													
90	89,25	90,75													
95	94,25	95,75													
100	99,25	100,75													
120	119,25	120,75													
140	139,25	140,75													
160	159,25	160,75													
180	179,25	180,75													
200	199,25	200,75													

1) See clause 5, slot type B.

2) For nominal lengths above 200 mm, steps of 20 mm.

Dimensions in millimetres

12	13	14	16	18	20	21	25	28	30	32	35	38	40	45	50
12,5	13,5	14,5	16,5	18,5	20,5	21,5	25,5	28,5	30,5	32,5	35,5	38,5	40,5	45,5	50,5
12,8	13,8	14,8	16,8	18,9	20,9	21,9	25,9	28,9	30,9	32,9	35,9	38,9	40,9	45,9	50,9
7,5	8,5	8,5	10,5	11,5	12,5	13,5	15,5	17,5	18,5	20,5	21,5	23,5	25,5	28,5	31,5
2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4
2,4	2,4	2,4	2,4	2,4	3,4	3,4	3,4	3,4	3,4	3,6	3,6	4,6	4,6	4,6	4,6
2,5	2,5	3	3	3,5	4	4	5	5,5	6	6	7	7,5	7,5	8,5	9,5
104,1	115,1	144,7	171	222,5	280,6	298,2	438,5	542,6	631,4	684	859	1 003	1 068	1 360	1 685

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commercial

lengths



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**UDC 621.886.15**

**Descriptors :** fasteners, pins (mechanics), spring pins, specifications, dimensions, designation.

Price based on 4 pages

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