

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 96-1 was prepared by Technical Committee ISO/TC 72, *Textile machinery and allied machinery and accessories*, Sub-Committee SC 1, *Spinning preparatory, spinning and doubling (twisting) machinery*.

This first edition of ISO 96-1 cancels and replaces ISO 96:1981 and, together with ISO 96-2, cancels and replaces ISO 2266:1974. It constitutes a technical revision of these standards.

ISO 96 consists of the following parts, under the general title *Textile machinery and accessories — Rings and travellers for ring spinning and ring doubling frames*:

- Part 1: *T-rings and their appropriate travellers*
- Part 2: *HZCH-, HZ- and J-rings and their appropriate travellers*

Annex A of this part of ISO 96 is for information only.

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Textile machinery and accessories — Rings and travellers for ring spinning and ring doubling frames —

Part 1:

T-rings and their appropriate travellers

1 Scope

This part of ISO 96 specifies the principal dimensions of T-rings (formerly called flange rings) and the mass, tolerance on the mass, wire section and range of numbers of the appropriate travellers for T-rings employed on ring spinning and ring doubling machines. It also specifies the method of designation of the travellers.

ISO 96-1:1992

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2 Principal dimensions of T-rings

The principal dimensions of T-rings are illustrated in figure 1 and specified in table 1.

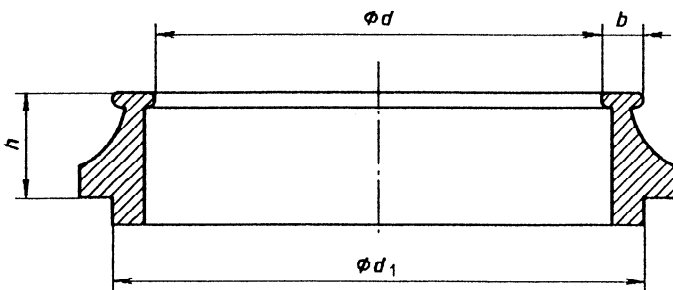


Figure 1 — Example of a T-ring

Table 1 — Ring dimensions

Dimensions in millimetres

Inside diameter d	Fitting diameter d_1		Height h	Flange width b
	nom.	tol. ¹⁾		
30	37		8; 10	2,6; 3,2 ²⁾ ; 4 ³⁾
32	39			
34	41			
36	43			
38	45	0 -0,2		
40	47			
42	49			
45	52			
48	55			
50	57			
55	62			
60	67	0 -0,25		
65	73			
70	78			
75	83			

1) The tolerance refers to the diameter d_1 , excluding any ovality.

2) The flange width $b = 3,2$ mm was designated previously as Ring flange No. 1.

3) The flange width $b = 4$ mm was designated previously as Ring flange No. 2.

3 Travellers

An example of a traveller appropriate for a T-ring is shown in figure 2.

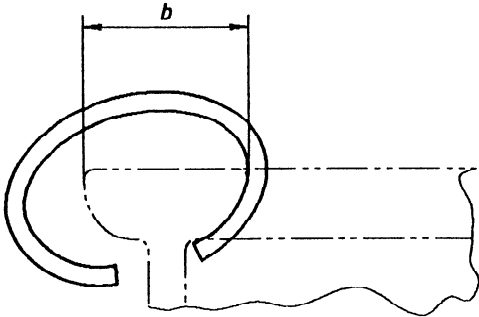


Figure 2 — Example of a traveller in the running position

Wire section descriptions and symbols, and the traveller symbol and numbers are specified in table 2.

Table 2 — Traveller specifications

Symbol	Wire section		Number		
	description	symbol	(g per 1000 travellers)		
T	flat	f	4	25	160
			4,5	28	180
			5	31,5	200
			5,6	35,5	224
			6,3	40	250
			7,1	45	280
	round	r	8	50	315
			9	56	355
			10	63	400
			11,2	71	450
			12,5	80	500
			14	90	560
	half-round	dr	16	100	630
			18	112	710
			20	125	800
22,4			140	900	

Traveller numbers are taken from the R20 series of preferred numbers in accordance with ISO 31¹⁾. The range of traveller numbers comprises values from 4 to 900 inclusive.

The **traveller number** represents the nominal mass, in grams, of 1000 travellers of the same type.

The **tolerance on the nominal mass** for 1000 travellers of the same type is $\pm 3\%$.

4 Designation of travellers

The designation of a traveller for a T-ring shall include the following information in the order given:

- "Traveller";
- reference to this part of ISO 96 (i.e. ISO 96-1);
- the symbol "T";
- the flange width b , in millimetres, of the appropriate ring;
- the manufacturer's designation for the traveller style (e.g. "C", "EL");
- the wire section symbol;
- the traveller material if it is other than steel (where this information is omitted, it is assumed that the traveller material is steel);
- the surface finish (optional);
- the appearance (optional);
- the traveller number.

EXAMPLES

A traveller for a T-ring of flange width $b = 4$ mm, of style C, in flat steel wire, and of No. 45 is designated as follows:

Traveller ISO 96-1 - T 4 C f-45

A traveller for a T-ring of flange width $b = 3,2$ mm, of style EL, in half-round steel wire, and of No. 35.5 is designated as follows:

Traveller ISO 96-1 - T 3,2 EL dr-35,5

Annex A
(informative)

Bibliography

- [1] ISO 3:1973, *Preferred numbers — Series of preferred numbers*.

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Descriptors: textile machinery, spinning frames, ring spinning frames, ring twistors, travellers, C-travellers, EL-travellers, specifications, dimensions, designation.

Price based on 3 pages
