INTERNATIONAL STANDARD 2266

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

Textile machinery and accessories — Metal travellers for spinning and twisting

Matériel pour l'industrie textile — Curseurs métalliques pour anneaux de continus à filer et à retordre

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FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

International Standard ISO 2266 was drawn up by Technical Committee ISO/TC 72, *Textile machinery and accessories*, and circulated to the Member Bodies in June 1972.

It has been approved by the Member Bodies of the following countries :

Belgium	Germany	Spain
Chile	India	Switzerland
Czechoslovakia	Iran	Thailand
Egypt, Arab Rep. of	Italy	Turkey
Finland	Poland	United Kingdom
France	Romania	U.S.S.R.

No Member Body expressed disapproval of the document.

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Textile machinery and accessories — Metal travellers for spinning and twisting

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the type, form and range of the numbers of metal travellers for spinning and twisting, defined in ISO 95, ISO 96 and ISO/R 97.

It also specifies the method of designation of these travellers.

2 REFERENCES

ISO 3, *Preferred numbers — Series of preferred numbers.*

ISO 95, *Textile machinery and accessories — Reversible rings for ring-spinning and ring-doubling frames for "C" and "EL" travellers — Principal dimensions.*

ISO 96, *Textile machinery and accessories — Non-reversible rings for ring-spinning and ring-doubling frames for "C" and "EL" travellers — Principal dimensions.*

ISO/R 97, *Rings for ring-spinning and ring-doubling frames for ear-shaped travellers.*

3 SPECIFICATIONS

3.1 Traveller numbering

The number of a traveller represents the numerical value of the nominal mass, in grams, of 1 000 travellers of the same type.

3.2 Range of the numbers

3.2.1 *C and EL travellers* (table 1)

The numerical values of the range correspond with those of the R20 series of preferred numbers (see ISO 3), this range comprising all the values from 4 to 800 inclusive.

3.2.2 *Ear-shaped travellers* (table 2)

The numerical values of the range correspond with those of the R20 series of preferred numbers (see ISO 3), this range comprising all the values from 25 to 10 000 inclusive.

3.3 Mass tolerance

The admitted tolerance of the nominal mass for 1 000 travellers of the same type is ± 3 % of the numerical value of the traveller number.

3.4 Traveller designation

3.4.1 *C and EL travellers*

The designation of a C and EL traveller shall comprise, in order, traveller type, number of the ring flange, symbol of the traveller section, traveller number and the material of which it is made.

Examples : C-traveller, No. 45, for ring flange No. 1, in round steel wire, shall be designated as follows :

C 1 r-45, steel

EL-traveller, No. 80, for ring flange No. 2, in half-round steel wire, shall be designated as follows :

EL 2 dr-80, steel

3.4.2 *Ear-shaped travellers*

The designation of an ear-shaped traveller shall comprise, in order, traveller type, ring height, symbol of the traveller section, traveller number and the material of which it is made.

Example : HZ-traveller, No. 400, for ring height 16,7 mm, in half-round bronze wire, shall be designated as follows :

HZ 16,7 dr-400, bronze

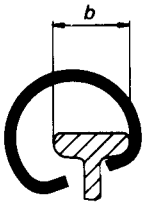


FIGURE 1 — **C traveller on ring flange**

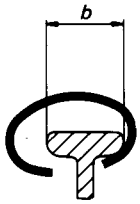


FIGURE 2 — **EL traveller on ring flange**

TABLE 1 — **C and EL travellers and ring flanges**[1)]

Traveller					Ring flange	
Type	Form	Section		Range of the numbers[2)]	Width[1)] *b* [mm]	Number
		Description	Symbol			
C		flat	f	4,00 – 4,50 – 5,00 – 5,60 – 6,30 – 7,10 – 8,00 – 9,00 – 10,00 – 11,2 – 12,5 – 14,0 – 16,0 – 18,0 – 20,0 – 22,4 – 25,0 – 28,0 – 31.5 – 35,5 – 40,0 – . . . . . – 800	2,8 3,2 4,0 6,3	1/2 1 2 5
		round	r			
EL		flat	f			
		round	r			
		half-round	dr			

1) According to ISO 95 and ISO 96.

2) Values from the R20 series of preferred numbers, according to ISO 3.

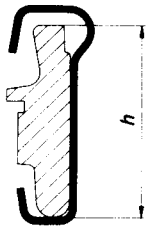


FIGURE 3 – **Ear-shaped traveller, type HZ, on vertical ring**

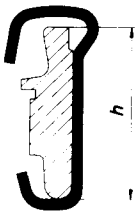


FIGURE 4 – **Ear-shaped traveller, type HZRR, on vertical ring**

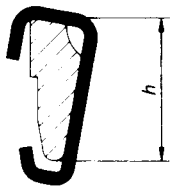
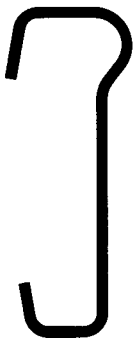
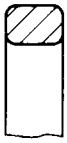
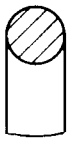
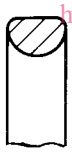
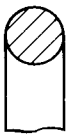
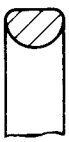
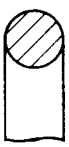
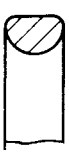


FIGURE 5 – **Ear shaped traveller, type J, on conical ring**

TABLE 2 – **Ear-shaped travellers and rings**[1)]

Traveller					Ring height	
Type	Form	Section		Range of the numbers[2)]	Height[1)]	Designation
		Description	Symbol		h	
				g	[mm]	
HZ		 flat	f	25,0 – 28,0 – 31,5 – 35,5 – 40,0 – 45,0 – 50,0 – 56,0 – 63,0 – 71,0 – 80,0 – 90,0 – 100,0 – 112 – 125 – 140 – 160 – 180 – 200 – 224 – 250 – . . . . . – 10 000	6,3 8 9,5 10,3 11,1 16,7 25,4 (38,1)	HZ 6,3 HZ 8 HZ 9,5 HZ 10,3 HZ 11,1 HZ 16,7 HZ 25,4 (HZ 38,1)
		 round	r			
		 half-round	dr			
HZRR		 round	r		10,3 16,7	HZRR 10,3 HZRR 16,7
		 half-round	dr			
J		 round	r		9,1 11,1 17,4	J 9,1 J 11,1 J 17,4
		 half-round	dr			

1) According to ISO/R 97.

2) Values from the R20 series of preferred numbers, according to ISO 3.