

# ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

## ISO RECOMMENDATION R 1472

TEXTILE MACHINERY

CYLINDRICAL TUBES FOR DRAW-TWISTERS

1st EDITION

June 1970

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## BRIEF HISTORY

The ISO Recommendation R 1472, *Textile machinery – Cylindrical tubes for draw-twisters*, was drawn up by Technical Committee ISO/TC 72, *Textile machinery and accessories*, the Secretariat of which is held by the Association Suisse de Normalisation (SNV).

Work on this question led to the adoption of Draft ISO Recommendation No. 1472, which was circulated to all the ISO Member Bodies for enquiry in February 1968. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Belgium	Italy	Switzerland
Brazil	Japan	Turkey
Czechoslovakia	Netherlands	U.A.R.
Denmark	Poland	U.S.S.R.
Germany	Spain	
India	Sweden	

The following Member Body opposed the approval of the Draft :

France

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided to accept it as an ISO RECOMMENDATION.

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**TEXTILE MACHINERY**

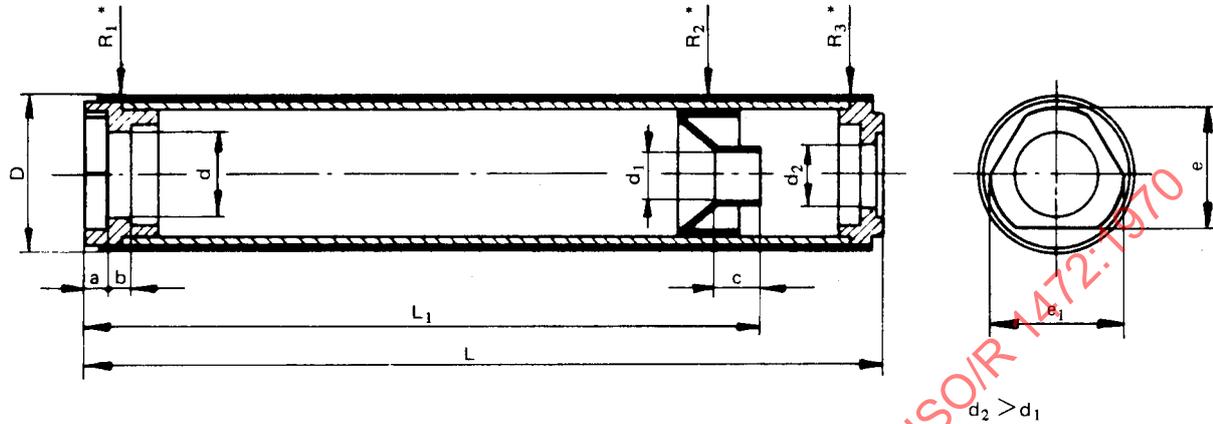
**CYLINDRICAL TUBES FOR DRAW-TWISTERS**

**1. SCOPE**

This ISO Recommendation fixes the main dimensions and tolerances of cylindrical tubes with triangular and square driving surfaces for draw-twisters, and gives the permissible run-out of these tubes.

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2. CYLINDRICAL TUBES WITH TRIANGULAR DRIVING SURFACE



NOTE. This drawing is only for the guidance of manufacturers and indicates only the main dimensions.

Dimensions in millimetres

Symbol	1	2	3	4	5	6	7	8	Tolerance
$L$	305	340	360	380	400	420	450	470	+1.0 0
$L_1$	225	225	272	272	272	272	272	312	+1.0 0
$D$	46	46	46	46	46	46	46	75	
	51	51	51	51	51	51	51		
$e$	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	+0.25 0
$e_1$	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	+0.2 0
$d$	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	+0.2 0
$d_1$	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	+0.05 0
$a$ min.	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	
$b$	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	
$c$	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	

Tolerance on mass for 1000 complete tubes :

No. 1 to 7 :  $\pm 1\%$

No. 8 :  $\pm 1.5\%$

Example of designation :

Cylindrical tube No. 1 with triangular driving surface according to ISO/R 1472,  $D = 46$

\* For the permissible run-out  $R_1$ ,  $R_2$  and  $R_3$ , see section 4.