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ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 441

DROP WIRES FOR MECHANICAL AND ELECTRICAL WARP STOP MOTIONS

1st EDITION
July 1965

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BRIEF HISTORY

The ISO Recommendation R 441, *Drop Wires for Mechanical and Electrical Warp Stop Motions*, 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 by the Technical Committee began in 1950 and led in 1956, to the adoption of two Draft ISO Recommendations.

These first Draft ISO Recommendations (Nos. 127 and 128) were circulated to all the ISO Member Bodies for enquiry, in Septembre 1956. As the results of this consultation were not considered satisfactory, the Technical Committee presented two second Draft ISO Recommendations, which were circulated to all the ISO Member Bodies in September 1963, and which were approved by the following Member Bodies:

– for Draft ISO Recommendation No. 127:

Argentina	Greece	Poland
Brazil	Hungary	Spain
Colombia	Italy	Switzerland
Czechoslovakia	Korea (Rep. of)	United Kingdom
France	Netherlands	Turkey
Germany	New Zealand	

Two Member Bodies opposed the approval of the second Draft:

India
U.S.S.R.

– for Draft ISO Recommendation No. 128:

Brazil	Hungary	Poland
Colombia	India	Spain
Czechoslovakia	Italy	Switzerland
France	Korea (Rep. of)	United Kingdom
Germany	Netherlands	Turkey
Greece	New Zealand	

One Member Body opposed the approval of the second Draft: U.S.S.R.

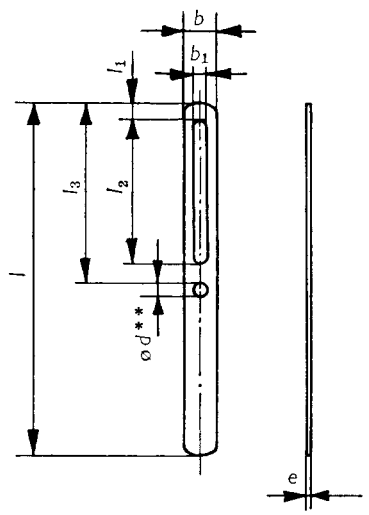
These two Draft ISO Recommendations were then submitted by correspondence to the ISO Council, which decided, in July 1965, to accept them as an ISO RECOMMENDATION.

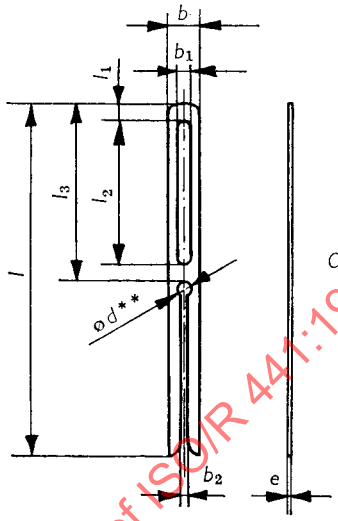
ISO Recommendation R 441 July 1965

DROP WIRES FOR MECHANICAL AND ELECTRICAL WARP STOP MOTIONS

1. DROP WIRES FOR MECHANICAL WARP STOP MOTIONS

Closed-end type





Open-end type

Type of drop wires	Length		Width		Thickness		Position and dimensions of upper slot						Length of upper part		Yarn eye		Lower slot		Mass appr.
	l		b		e		b_1		l_1		l_2		l_3		$\varnothing d$**		b_2 min.		
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	g
closed end	4.882 to 5.039	124 to 128	9/32	7	0.008	0.2	3/16	4.75 max	0.1875 or 3/16 to 0.203 or 13/64	4.75 to 5.16	2.063 to 2.125	52 to 53.5	2.48 ±0.012	63 ±0.3	0.157 ±0.008	4 ±0.2			0.9
			0.344* or 11/32	8	0.008	0.2									0.207 ±0.010	5.25 ±0.25			1.1
					0.012	0.3													1.7
			0.437* or 7/16	11	0.008	0.2									0.236 ±0.020	6 ±0.5			1.7
					0.012	0.3													2.5
					0.016	0.4													3.3
open end	5.709	145	9/32	7	0.008	0.2	3/16	4.75 max	0.1875 or 3/16 to 0.1968	4.75 to 5					0.157 ±0.008	4 ±0.2			0.9
			0.344* or 11/32	8	0.008	0.2									0.207 ±0.010	5.25 ±0.25	0.10	2.5	1.1
					0.012	0.3													1.7
			0.437* or 7/16	11	0.008	0.2									0.236 ±0.020	6 ±0.5	0.12	3	1.7
					0.012	0.3													2.5
					0.016	0.4													3.3
closed end	5.709	145	0.344* or 11/32	8	0.008	0.2	0.1875 or 3/16 to 0.203 or 13/64	4.75 to 5.16			2.519 to 2.850	64 to 65.5	2.935 ±0.012	75 ±0.3	0.207 ±0.010	5.25 ±0.25			1.2
					0.012	0.3													1.9
			0.437* or 7/16	11	0.008	0.2									0.236 ±0.020	6 ±0.5			1.9
					0.012	0.3													2.9
					0.016	0.4													3.9
open end	6.500	165	0.344* or 11/32	8	0.008	0.2									0.207 ±0.010	5.25 ±0.25	0.10	2.5	1.2
					0.012	0.3													1.9
			0.437* or 7/16	11	0.008	0.2									0.236 ±0.020	6 ±0.5	0.12	3	1.9
					0.012	0.3													2.9
					0.016	0.4													3.9
closed end	6.500	165	0.437* or 7/16	11	0.008	0.2									0.236 ±0.020	6 ±0.5			2.2
					0.012	0.3													3.3
					0.016	0.4													4.4
open end	7.283	180 or 185	0.437* or 7/16	11	0.008	0.2									0.236 ±0.020	6 ±0.5	0.12	3	2.2
					0.012	0.3													3.3
					0.016	0.4													4.4

* The exact equivalent of 8 mm is 0.315 in, and of 11 mm, 0.433 in, but 0.344 in and 0.437 in respectively are accepted for British use.

** Or width of U-shaped eye. The upper edge of the U-shaped eye should fit with the upper edge of the round eye. The length of the eye, from the upper straight edge to the lower rounded edge, should not exceed 10 mm (0.4 in).