INTERNATIONAL STANDARD 1234

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

Split pins — Metric series

Goupilles fendues — Série métrique

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Descriptors : fasteners, pins, split pins, dimensions.

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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.

Prior to 1972, the results of the work of the Technical Committees were published as ISO Recommendations; these documents are now in the process of being transformed into International Standards. As part of this process, Technical Committee ISO/TC 2 has reviewed ISO Recommendation R 1234 and found it technically suitable for transformation. International Standard ISO 1234 *therefore replaces* ISO Recommendation R 1234-1971 to which it is technically identical.

ISO Recommendation R 1234 was approved by the Member Bodies of the following countries :

Belgium	Israel	Spain
Canada	Italy	South Africa, Rep. of
Denmark	Japan	Sweden
Egypt, Arab Rep. of	Netherlands	United Kingdom
Finland	New Zealand	U.S.A.
France	Norway	U.S.S.R.
Germany	Poland	Yugoslavia
Hungary	Portugal	
India	Romania	

The Member Body of the following country expressed disapproval of the Recommendation on technical grounds :

Switzerland*

* Subsequently, this Member Body approved the Recommendation.

The Member Bodies of the following countries disapproved the transformation of ISO/R 1234 into an International Standard :

Canada	France	Netherlands
Czechoslovakia	Japan	U.S.A.

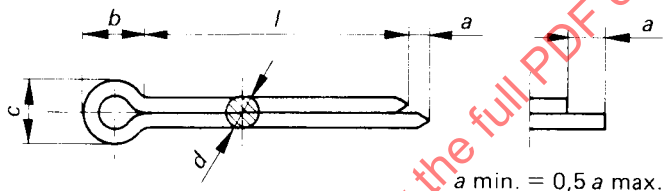
Printed in Switzerland

Split pins — Metric series

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the dimensions of split pins of the metric series.

2 DIMENSIONS



a min. = 0,5 *a* max.

Shape of ends optional

TABLE 1 — **Dimensions (except length *l* : see table 2)**

Dimensions in millimetres

Nominal size[1]			**0,6**	**0,8**	**1**	**1,2**	**1,6**	**2**	**2,5**	**3,2**
d		max.	0,5	0,7	0,9	1	1,4	1,8	2,3	2,9
		min.	0,4	0,6	0,8	0,9	1,3	1,7	2,1	2,7
a		max.	1,6	1,6	1,6	2,5	2,5	2,5	2,5	3,2
b		≈	2	2,4	3	3	3,2	4	5	6,4
c		max.	1	1,4	1,8	2	2,8	3,6	4,6	5,8
		min.	0,9	1,2	1,6	1,7	2,4	3,2	4	5,1
Corresponding diameters[2]	Bolts	over	—	2,5	3,5	4,5	5,5	7	9	11
		to	2,5	3,5	4,5	5,5	7	9	11	14
	Clevis pins	over	—	2	3	4	5	6	8	9
		to	2	3	4	5	6	8	9	12

Nominal size[1]			**4**	**5**	**6,3**	**8**	**10**	**13**	**16**	**20**
d		max.	3,7	4,6	5,9	7,5	9,5	12,4	15,4	19,3
		min.	3,5	4,4	5,7	7,3	9,3	12,1	15,1	19
a		max.	4	4	4	4	6,3	6,3	6,3	6,3
b		≈	8	10	12,6	16	20	26	32	40
c		max.	7,4	9,2	11,8	15	19	24,8	30,8	38,6
		min.	6,5	8	10,3	13,1	16,6	21,7	27	33,8
Corresponding diameters[2]	Bolts	over	14	20	27	39	56	80	120	170
		to	20	27	39	56	80	120	170	—
	Clevis pins	over	12	17	23	29	44	69	110	160
		to	17	23	29	44	69	110	160	—

1) Nominal size = diameter of the split pin hole.

2) For railway applications and in cases where split pins in clevis pins are subjected to alternating transverse forces, it is recommended to use the next larger split pin size to that specified in table 1.