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ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 1234

SPLIT PINS

METRIC SERIES

1st EDITION
October 1971

For each individual country the only valid standard is the national standard of that country.

Printed in Switzerland

Also issued in French and Russian. Copies to be obtained through the national standards organizations.

BRIEF HISTORY

The ISO Recommendation R 1234, *Split pins – Metric series*, was drawn up by Technical Committee ISO/TC 2, *Bolts, nuts and accessories*, the Secretariat of which is held by the Deutscher Normenausschuss (DNA).

Work on this question led to the establishment of four successive Draft ISO Recommendations. The first Draft was circulated to all the ISO Member Bodies for enquiry in 1962, the second in 1963, the third in 1965.

The fourth Draft ISO Recommendation No. 502, which was circulated to all the ISO Member Bodies in February 1971, was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

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

The following Member Body opposed the approval of the Draft :

Switzerland

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

ISO Recommendation | R 1234 | October 1971

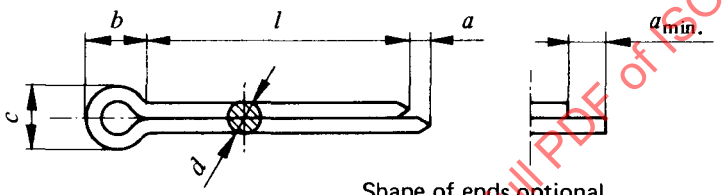
SPLIT PINS

METRIC SERIES

1. SCOPE

This ISO Recommendation specifies the dimensions of split pins of the metric series.

2. DIMENSIONS



Shape of ends optional

$a_{min.} = 0.5\, a_{max.}$

TABLE 1 – Dimensions (except length *l*; see Table 2)

Dimensions in millimetres

Nominal size*			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**	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*			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**	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	–

* Nominal size = diameter of the split pin hole.

** 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.