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**INTERNATIONAL STANDARD**



**2341**

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

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## **Clevis pins with heads — Metric series**

First edition — 1972-04-15

**iTeh STANDARD PREVIEW**  
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[ISO 2341:1972](#)

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UDC 621.~~836.7~~ 828.5

Ref. No. ISO 2341-1972 (E)

**Descriptors** : fasteners, clevis pins, dimensions.

Price based on 2 pages

## 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 2341 was drawn up by Technical Committee ISO/TC 2, *Bolts, nuts and accessories*.

It was approved in July 1971 by the Member Bodies of the following countries:

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

No Member Body expressed disapproval of the document.

# Clevis pins with heads – Metric series

## 1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the dimensions and tolerances of clevis pins of the metric series, classified as Type A, without split pin hole, and Type B, with split pin hole.

## 2 REFERENCE

ISO/R 1234, *Split pins – Metric series.*

## 3 DIMENSIONS

TYPE A  
Without split pin hole

TYPE B  
With split pin hole

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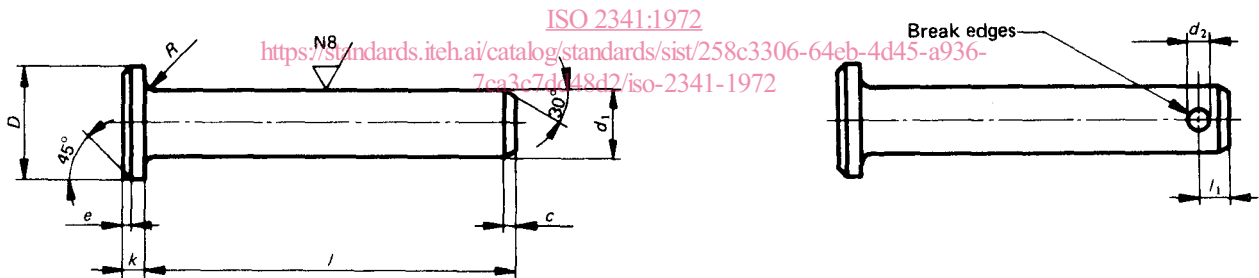


TABLE 1 – Dimensions (except length *l*; see Table 2)

	Values in millimetres																										
$d_1^*$	3	4	5	6	8	10	12	14	16	18	20	22	24	27	30	33	36	40	45	50	55	60	70	80	90	100	
$D^{**}$	5	6	8	10	14	18	20	22	25	28	30	33	36	40	44	47	50	55	60	66	72	78	90	100	110	120	
$d_2^{***}$	H13	0.8	1	1.2	1.6	2	3.2	3.2	4	4	5	5	5	6.3	6.3	8	8	8	8	10	10	10	10	13	13	13	13
$c$	max.	1	1	2	2	2	2	3	3	3	3	4	4	4	4	4	4	4	4	4	6	6	6	6	6	6	6
$e$	approx.	0.5	0.5	1	1	1	1	1.6	1.6	1.6	1.6	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3
$k$		1	1	1.6	2	3	4	4	4	4.5	5	5	5.5	6	6	8	8	8	8	9	9	11	12	13	13	13	13
$l_1$	min.	1.6	2.2	2.9	3.2	3.5	4.5	5.5	6	6	7	8	8	9	9	10	10	10	10	12	12	14	14	16	16	16	16
$R$		0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

\* Recommended tolerances : a11, c11, f8, h11.

\*\* Dimension  $D$  of pins used without bushes may be one size smaller than that specified in each case.

\*\*\* Hole diameter  $d_2$  = nominal size of the split pin (see ISO/R 1234).

For railway applications and in cases where the split pin is subjected to alternating transverse forces, it is recommended to use the next larger split pin and corresponding hole diameter to that specified.

TABLE 2 – Standard lengths

Values in millimetres

Length $/j_s$ 15	Diameter $d_1$																											
	3	4	5	6	8	10	12	14	16	18	20	22	24	27	30	33	36	40	45	50	55	60	70	80	90	100		
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LENGTHS

Lengths in parentheses should be avoided if possible.

For lengths between 200 and 300 mm, use steps of 10 mm; above 300 mm, use steps of 20 mm.