

ISO1234

Split pins

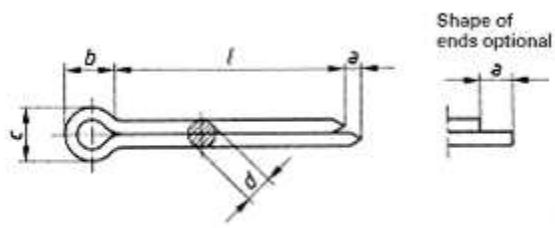


Figure 1

Table 1 — Dimensions (Lengths *l* : see table 2)

Nominal size ¹			Dimensions in millimetres							
			0,6	0,8	1	1,2	1,6	2	2,5	3,2
<i>d</i>		max.	0,5	0,7	0,9	1,0	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
<i>a</i>		max.	1,6	1,6	1,6	2,50	2,50	2,50	2,50	3,2
		min.	0,8	0,8	0,8	1,25	1,25	1,25	1,25	1,6
<i>b</i>		~	2	2,4	3	3	3,2	4	5	6,4
<i>c</i>		max.	1,0	1,4	1,8	2,0	2,8	3,6	4,6	5,8
		min.	0,9	1,2	1,6	1,7	2,4	3,2	4,0	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
			<i>d</i>		max.	3,7	4,6	5,9	7,5	9,5
min.	3,5	4,4			5,7	7,3	9,3	12,1	15,1	19,0
<i>a</i>		max.	4	4	4	4	6,30	6,30	6,30	6,30
		min.	2	2	2	2	3,15	3,15	3,15	3,15
<i>b</i>		~	8	10	12,6	16	20	26	32	40
<i>c</i>		max.	7,4	9,2	11,8	15,0	19,0	24,8	30,8	38,5
		min.	6,5	8,0	10,3	13,1	16,6	21,7	27,0	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; for the pin hole diameter the following tolerance classes are recommended.

H13 for nominal size ≤ 1,2
H14 for nominal size > 1,2

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 this table.

Table 3 — Requirements and reference International Standards

<p>Material</p>	<p>Steel (St) Copper-zinc alloy (Cu Zn) Copper (Cu) Aluminium alloy (Al) Austenitic stainless steel (A)</p> <p>Other materials as agreed between customer and supplier.</p>
<p>Ductility</p>	<p>Each leg of the split pin shall be capable of withstanding being bent back upon itself once, with no visible indication of fracture occurring at the point of bend.</p>
<p>Surface finish</p>	<p>Plain i.e. parts to be supplied in natural finish, treated with a protective lubricant, or with other coatings as agreed between customer and supplier. For electroplated coatings, see ISO 4042. For phosphate coating see ISO 9717.</p>
<p>Workmanship</p>	<p>Pins shall be free of burrs, irregularities and detrimental defects.</p> <p>The eye shall be as circular as possible. The cross-section of the two straight legs together shall be circular.</p>
<p>Acceptability</p>	<p>For acceptance procedure, see ISO 3269.</p>