
INTERNATIONAL STANDARD

ISO 7378-1983 (E)

Fasteners — Bolts, screws and studs — Split pin holes and wire holes

1 Scope and field of application

This International Standard lays down the dimensions and position of split pin holes and wire holes for bolts, screws and studs, recommended for use unless otherwise specified in the appropriate product standard.

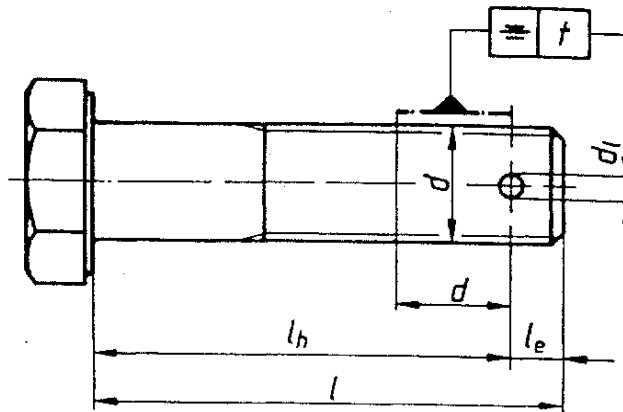
2 Reference

ISO 4759/1, *Tolerances for fasteners — Part 1: Bolts, screws and nuts with thread diameters between 1,6 (inclusive) and 150 mm (inclusive) and product grades A, B and C.*

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3 Dimensions

3.1 Split pin holes



Tolerance f^*		
Product grade		
A	B	C
2 IT 13	2 IT 14	2 IT 15

* According to ISO 4759/1.
Tolerance f based on d .

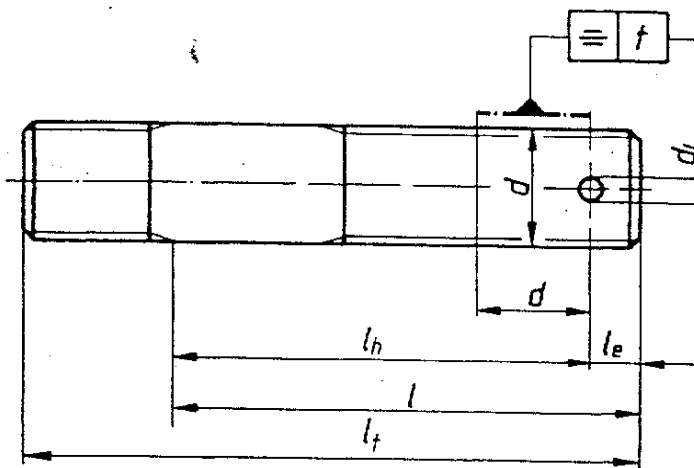


Table 1

Dimensions in millimetres

Thread diameter, d	4	5	6	7	8	10	12	14	16	18	20
d_f	H14	1	1,2	1,6	1,6	2	2,5	3,2	3,2	4	4
l_e	min.	2,3	2,6	3,3	3,3	3,9	4,9	5,9	6,5	7	7,7

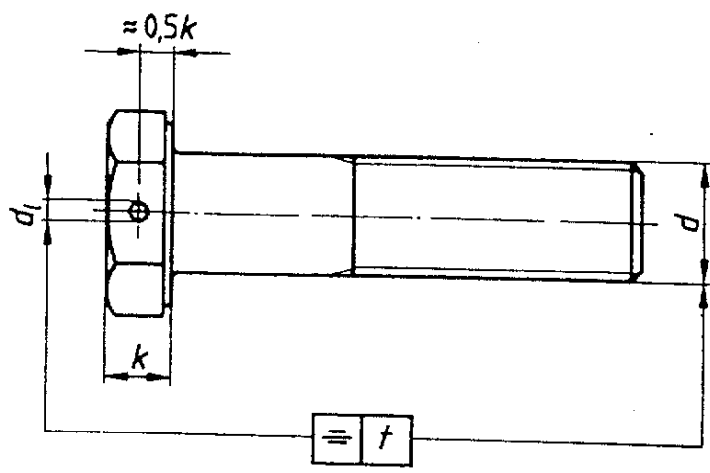
Thread diameter, d	22	24	27	30	33	36	39	42	45	48	52
d_f	H14	5	5	5	6,3	6,3	6,3	6,3	8	8	8
l_e	min.	8,7	10	10	11,2	11,2	12,5	12,5	14,7	14,7	16

NOTE — The value for l_h must be calculated for each application, but the hole should not be nearer the end of the fastener than l_e min. after taking into account the cumulative tolerances on l_h and l .

In general, a tolerance of $+IT_{14}$ for l_h is practicable in production.

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3.2 Wire holes



Tolerance <i>f</i>		
Product grade		
A	B	C
2 IT 13	2 IT 14	2 IT 15

Table 2

		Dimensions in millimetres										
Thread diameter, <i>d</i>		4	5	6	7	8	10	12	14	16	18	20
<i>d_f</i>	H14	1,2	1,2	1,6	1,6	2	2	2	2	3	3	3
Thread diameter, <i>d</i>		22	24	27	30	33	36	39	42	45	48	52
<i>d_f</i>	H14	3	3	3	3	4	4	4	4	4	4	5