

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS B 1008 : 2009

(JFRI/JSA)

**Fasteners — Bolts and studs — Split
pin holes and wire holes**

ICS 21.060.10

Reference number : JIS B 1008 : 2009 (E)

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B 1008 : 2009

Date of Establishment: 1988-01-01

Date of Revision: 2009-10-20

Date of Public Notice in Official Gazette: 2009-10-20

Investigated by: Japanese Industrial Standards Committee

Standards Board

Technical Committee on Machine Elements

JIS B 1008 : 2009, First English edition published in 2010-05

Translated and published by: Japanese Standards Association
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

In the event of any doubts arising as to the contents,
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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee as the result of proposal of revision of Japanese Industrial Standard submitted by the Japan Research Institute for Screw Threads and Fasteners (JFRI) /Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS B 1008 :1988** is replaced with this Standard.

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

Introduction

This Japanese Industrial Standard was established in 1988 based on the first edition of ISO 7378 published in 1983.

Since the year of establishment of this Standard, some of the common standards of screw thread parts have been revised for incorporating the International Standard, creating inconformity among the related standards. The revision at this time is for the purpose of bringing this Standard into conformity with other related screw thread standards.

The portions with dotted underlines and Annex JA are not included in the corresponding International Standard. A list of modifications with the explanations is given in Annex JB.

1 Scope

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

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 7378 : 1983 *Fasteners — Bolts, screws and studs — Split pin holes and wire holes* (MOD)

The symbols which denote the degree of correspondence in the contents in the corresponding International Standard and JIS are IDT (identical), MOD (modified) and NEQ (not equivalent) according to ISO/IEC Guide 21-1.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this Standard. The most recent edition of the standard (including amendments) indicated below shall be applied.

JIS B 1021 *Tolerances for fasteners — Part 1 : Bolts, screws, studs and nuts — Product grades A, B and C*

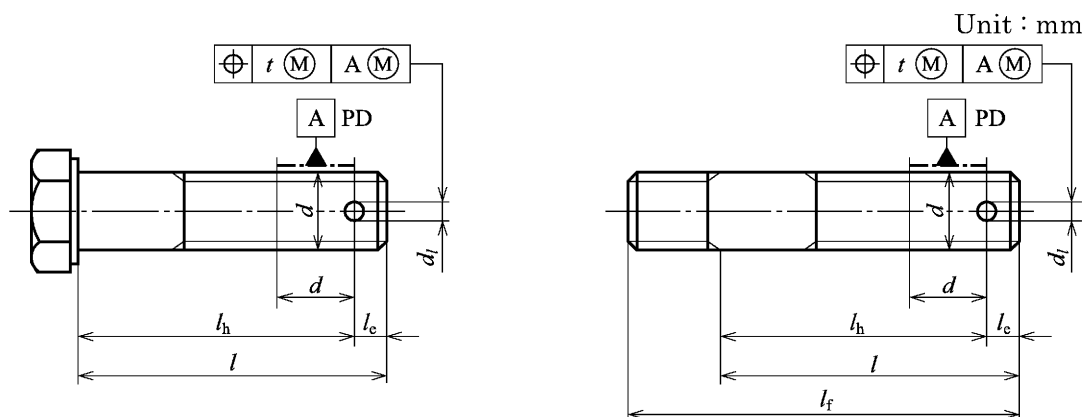
NOTE : Corresponding International Standard : ISO 4759-1 : 2000 *Tolerances for fasteners — Part 1 : Bolts, screws, studs and nuts — Product grades A, B and C* (IDT)

3 Dimensions and position

3.1 Dimensions and position of split pin holes

The dimensions and positions of split pin holes relative to the nominal diameter of screw threads shall be in accordance with table 1.

Table 1 Dimensions and positions of split pin holes



Nominal diameter of screw thread (d)		4	5	6	7	8	10	12	14	16	18	20
d_i	Basic size	1	1.2	1.6	1.6	2	2.5	3.2	3.2	4	4	4
	Tolerance (H14)	+0.25 0						+0.3 0				
l_e	Min.	2.3	2.6	3.3	3.3	3.9	4.9	5.9	6.5	7.0	7.7	7.7
Positional tolerance (t) a)	Part grade	A (2 IT13)	0.36		0.44			0.54			0.66	
		B (2 IT14)	0.60		0.72			0.86			1.04	
		C (2 IT15)	0.96		1.16			1.40			1.68	

Nominal diameter of screw thread (d)		22	24	27	30	33	36	39	42	45	48	52
d_i	Basic size	5	5	5	6.3	6.3	6.3	6.3	8	8	8	8
	Tolerance (H14)	+0.3 0			+0.36 0							
l_e	Min.	8.7	10	10	11.2	11.2	12.5	12.5	14.7	14.7	16	16
Positional tolerance (t) a)	Part grade	A (2 IT13)	0.66			0.78						0.92
		B (2 IT14)	1.04			1.24						1.48
		C (2 IT15)	1.68			2.00						2.40

The value for l_h shall 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 , l and l_f .

NOTE 1 The split pin hole may be chamfered as required.

NOTE 2 For the split pin holes in this table, the split pin of the same nominal diameter as the basic size of d_i should be selected from those specified in JIS B 1351.