



JAPANESE
INDUSTRIAL
STANDARD

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JIS B 1187 : 2006

(JFRI)

**Hexagon head screws with captive
washer**
(Amendment 1)

JIS B 1187:1995 has been revised under date of March 25, 2006.
The revised items are included in this Amendment 1.

ICS 21.060.10

Reference number : JIS B 1187 : 2006 (E)

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Foreword

This translation has been made based on the Amendment to the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee 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 1187:1995 is partially replaced with this Amendment.

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Date of Revision: 2006-03-25

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Investigated by: Japanese Industrial Standards Committee
Standards Board

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Hexagon head screws with captive washer (Amendment 1)

JIS B 1187:1995 is revised as follows.

1. Scope

Delete Remarks 3 and renumber the subsequent Remarks.

3. Classification

Replace Table 1 with the following table.

Table 1 Classification of steel screws with washer

Type of steel screw		Strength class	Type of steel washer								Range of nominal diameter mm
Classification according to head manufacturing process	Classification by shape and size of head		Plain washer		Spring lock washer ⁽¹⁾	External toothed lock washer	Conical spring washer ⁽¹⁾	Spring lock washer and small round ⁽³⁾	Spring lock washer and polished round ⁽³⁾	External toothed lock washer and polished round	
			Small round	Polished round							
Trimmed head type	Hexagon head screw ⁽¹⁾	4.8, 6.8,	○	○	○*	○	○*	○*	○*	○	5 to 12 ⁽⁵⁾
	Small hexagon head screw ⁽²⁾	8.8	○	○	○	○	○	○	○	○	8 to 12
Upset head type	Small hexagon head screw ⁽²⁾	4.8, 6.8,	○	○	○	○	○	○	○	○	8 to 12
	Hexagon head screw ⁽²⁾	8.8	○	○	○*	○	○*	○*	○*	○	4 to 12 ⁽⁵⁾
Upset head type	Cross-recessed hexagon head screw ⁽¹⁾	4.8	○	○	○	○	○	○	○	○	4 to 8

3. Classification

In Note ⁽³⁾ and Note ⁽⁴⁾, replace "4.8, 6.8, 4T and 6T" with "4.8 and 6.8".

3. Classification

In Note ⁽⁴⁾, replace "JIS B 1252" with "JIS B 1251".

4.1 Mechanical properties of steel screw

Replace Table 3 with the following table.

Table 3 Mechanical properties of steel screw

Type of steel screw	Mechanical properties	
	Strength class	Applicable standards
Trimmed type hexagon head screw and small hexagon head screw	4.8, 6.8, 8.8	JIS B 1051
Upset type hexagon head screw and small hexagon head screw		
Upset type cross-recessed hexagon head screw	4.8	