



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS B 1007 : 2003
(JFRI/JSA)

Tapping screws thread

ICS 21.060.10

Reference number : JIS B 1007 : 2003 (E)

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 for revision of Japanese Industrial Standard submitted by The Japan Research Institute for Screw Threads and Fasteners (JFRI)/ the 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 1007 : 1987** is replaced with this Standard.

In order to conform to the International Standard, the text of this revision has been prepared based on **ISO 1478 : 1999 Tapping screws thread**.

Date of Establishment: 1987-03-01

Date of Revision: 2003-03-20

Date of Public Notice in Official Gazette: 2003-03-20

Investigated by: Japanese Industrial Standards Committee
Standards Board

Technical Committee on Machine Elements

JIS B 1007 : 2003, First English edition published in 2003-09

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,
the original JIS is to be the final authority.

© JSA 2003

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

Contents

	Page
Introduction	1
1 Scope	1
2 Dimensions	1
3 Designation	3
Annex 1 (normative) Shape and dimensions of threads Classes 1 to 4 of tapping screws	4
Annex 2 (informative) Comparison table between JIS and corresponding International Standard	10

Tapping screws thread

Introduction The text of this Standard has been prepared based on the second edition of **ISO 1478** published in 1999 without modifying the technical contents, however, in the Annex 1, the shape and dimensions of the tapping screws thread Class 1 to Class 4 which have been specified in the annex of the former Japanese Industrial Standard has been specified and are different from the shape and dimensions specified in **ISO 1478**.

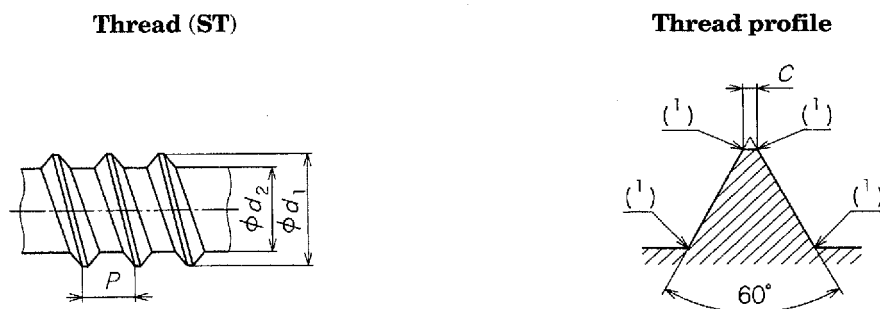
1 Scope This Japanese Industrial Standard specifies the type and dimensions of the thread and thread ends for tapping screws with thread sizes from ST1.5 to ST9.5 inclusive.

Remarks : The International Standard corresponding to this Standard is as follows.

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21**.

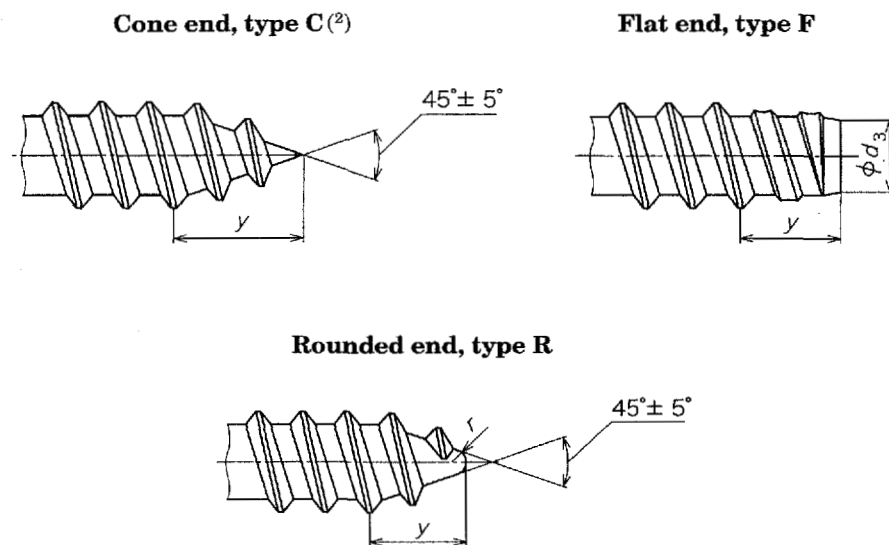
ISO 1478 : 1999 *Tapping screws thread* (MOD)

2 Dimensions See Figures 1 and 2 and Table 1.



Note (1) Slight radius

Figure 1 Thread dimensions



Note (2) No extrusion of excess metal beyond the apex of the type C cone end resulting from thread rolling shall be permissible. A slight rounding or truncation of the point is desirable.

Figure 2 Thread ends