



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS B 7187 : 2007

(JIIMA/JSA)

**Microfilming of documents on 16 mm
and 35 mm silver-gelatin type micro-
film — Operating procedures**

ICS 37.080

Reference number : JIS B 7187 : 2007 (E)

PROTECTED BY COPYRIGHT

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 Japan Image and Information Management Association (JIIMA)/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 7187 : 1997** is replaced with this Standard. This Standard has been made based on **ISO 3272-1 : 2003** *Microfilming of technical drawings and other drawing office documents—Part 1 : Operating procedures*, **ISO 3272-2 : 1994** *Microfilming of technical drawings and other drawing office documents—Part 2 : Quality criteria and control of 35 mm silver gelatin microfilms*, **ISO 3272-4 : 1994** *Microfilming of technical drawings and other drawing office documents—Part 4 : Microfilming of drawings of special and exceptional elongated sizes* and **ISO 6199 : 2005** *Micrographics—Microfilming of documents on 16 mm and 35 mm silver-gelatin type microfilm—Operating procedures* for the purpose of making it easier to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose a draft of an International Standard which is based on Japanese Industrial Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

Date of Establishment: 1960-03-01

Date of Revision: 2007-02-20

Date of Public Notice in Official Gazette: 2007-02-20

Investigated by: Japanese Industrial Standards Committee
Standards Board
Technical Committee on Testing and
Measurement Technology

JIS B 7187 : 2007, First English edition published in 2007-08

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 2007

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

PROTECTED BY COPYRIGHT

Contents

	Page
Introduction	1
1 Scope	1
2 Normative references	2
3 Definitions	2
4 Preparation of documents to be microfilmed	2
5 Filming	3
5.1 Films to be used	3
5.2 Simplex format and retrieval code of micro-images	3
5.3 Reduction ratio	5
5.4 Maximum dimensions of the documents	5
6 Filming procedures	7
6.1 Documents recorded on more than one roll of film	7
6.2 Lengths of leader film and trailer film	8
7 Filming sequence	8
7.1 Residual thiosulphate test area	8
7.2 Retakes	8
7.3 Splices	9
7.4 Targets	9
8 Processing, image quality and storage practices	9
8.1 Methods and procedures	9
8.2 Rejection	10
8.3 Curl	10
8.4 Coating of protective film	10
8.5 Density	10
8.6 Legibility in planetary camera	10
8.7 Winding of microfilm on reel	11
9 Enlargement of micro-image of drawing	12
10 Microforms daily used	12
11 Verification	12
Annex 1 (normative) Quality index value of microform	13
Annex 2 (normative) Microfilming of technical drawings	14
Annex 3 (informative) Comparison table between JIS and corresponding International Standards	21

Microfilming of documents on 16 mm and 35 mm silver-gelatin type microfilm — Operating procedures

Introduction This Japanese Industrial Standard has been prepared based on the second edition of **ISO 3272-1** *Microfilming of technical drawings and other drawing office documents—Part 1 : Operating procedures* published in 2003, the second edition of **ISO 3272-2** *Microfilming of technical drawings and other drawing office documents—Part 2 : Quality criteria and control of 35 mm silver gelatin microfilms* published in 1994, the first edition of **ISO 3272-4** *Microfilming of technical drawings and other drawing office documents—Part 4 : Microfilming of drawings of special and exceptional elongated sizes* published in 1994 and the second edition of **ISO 6199** *Micrographics—Microfilming of documents on 16 mm and 35 mm silver-gelatin type microfilm—Operating procedures* published in 2005. Annex 1 contains the requirements related to the quality index value for Chinese characters (kanji), that are unique to the Japanese Industrial Standard.

The portions underlined with dots are the matters in which the contents of the original International Standard have been modified. A list of modifications with explanations is given in Annex 3 (informative).

1 Scope

1.1 This Standard specifies the microfilming of documents on 16 mm and 35 mm silver-gelatin type microfilm (hereafter referred to as “film”) used for the purpose of delivering, exchanging and storing the documents ⁽¹⁾.

1.2 This Standard establishes general principles for document filming including orientation of images on film and area for retrieval codes, use of test chart in identification, classification, testing, etc. and quality of images.

Note ⁽¹⁾ Document is used as generic term including writing, drawing, etc. (see **01.04** of **JIS Z 6000**).

NOTE : The International Standards corresponding to this Standard is as follows.

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

ISO 3272-1 : 2003 *Microfilming of technical drawings and other drawing office documents—Part 1 : Operating procedures* (MOD)

ISO 3272-2 : 1994 *Microfilming of technical drawings and other drawing office documents—Part 2 : Quality criteria and control of 35 mm silver gelatin microfilms* (MOD)

ISO 3272-4 : 1994 *Microfilming of technical drawings and other drawing office documents—Part 4 : Microfilming of drawings of special and exceptional elongated sizes* (MOD)