



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS Z 8801-3 : 2000

**Test sieves—
Part 3 : Test sieves of electroformed
sheets**

ICS 19.120

Descriptors : screening equipment, electrically-operated devices

Reference number : JIS Z 8801-3 : 2000 (E)

 **Documents**
Document Sharing Hub

Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of International Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS Z 8800 : 1991** is withdrawn and replaced with this Standard.

JIS Z 8801 series with title of "*Test sieves*" consist of the following three parts.

Part 1 : Test sieves of metal wire cloth

Part 2 : Test sieves of perforated metal plate

Part 3 : Test sieves of electroformed sheets

Date of Establishment: 2000-05-20

Date of Public Notice in Official Gazette: 2000-05-22

Investigated by: Japanese Industrial Standards Committee
Divisional Council on Basic Items

JIS Z 8801-3:2000, First English edition published in 2002-01

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 2002

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

Test sieves— Part 3 : Test sieves of electroformed sheets

Introduction This part of **JIS Z 8801** has been made on the basis of **ISO 3310-3 : 1990** *Test sieves—Technical requirements and testing—Part 3 : Test sieves of electroformed sheets* published in 1990 as the 1st edition in such a way that the corresponding parts in **ISO 3310-3** were employed without changing the technical contents and some contents (in inspection method, sieve frame and construction of sieve) not included in the corresponding International Standard were added. In addition, dimensional tolerances of sieve sheets were modified the contents specified in the corresponding International Standard.

The parts underlined with dots in this Standard are the matters not included in the corresponding International Standard or the modified contents.

1 Scope This part of **JIS Z 8801** specifies the technical requirements and corresponding inspection methods for test sieves in which the sieving medium is a metal sheet with electrochemically formed apertures. It applies to test sieves having round (circular) or square apertures ranging in size from 500 μm to 5 μm .

Remarks : The following standard is the corresponding International Standard to this part of **JIS Z 8801**:

ISO 3310-3 : 1990 *Test sieves—Technical requirements and testing—Part 3 : Test sieves of electroformed sheets*

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 7140 *Microscope test specimens*

JIS B 7507 *Vernier, dial and digital callipers*

3 Designation Test sieves of electroformed sheet shall be designated by the description “electroformed”, the shape of the apertures and the nominal size of apertures.

4 Electroformed sheet

4.1 General requirements Electroformed sheet in test sieves shall be free from any irregularities such as production defects, creases, rifts, wrinkles or foreign matter in the sheet.

4.2 Arrangement of apertures Round apertures shall be arranged with their centres at the apices of equilateral triangles (see Attached Fig. 1); square apertures shall be arranged in line, with their mid-points at the vertices of squares (see Attached Fig. 2).

4.3 Dimensions The aperture size (W), and the pitches (P) of electroformed sheet shall be as specified in Attached Table 1.

