

# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

---

**JIS Z 3263** : 2002

(JLWA/JSA)

**Aluminium alloy brazing filler metals  
and brazing sheets**

---

ICS 25.160.50; 77.120.10

Reference number : JIS Z 3263 : 2002 (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 Light Metal Welding and Construction Association (JLWA)/ the Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law. Consequently **JIS Z 3263 : 1992** is replaced with this Standard.

In this revision, the prevailing technology situation in Japan is considered in specifying the types of cores and brazing sheets, and constitution and mechanical properties of brazing sheets, and others.

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: 1961-12-01

Date of Revision: 2002-03-20

Date of Public Notice in Official Gazette: 2002-03-20

Investigated by: Japanese Industrial Standards Committee

Standards Board

Technical Committee on Welding

---

JIS Z 3263 : 2002, First English edition published in 2002-10

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

**Contents**

	Page
1 Scope .....	1
2 Normative references .....	1
3 Definitions .....	1
4 Types .....	2
5 Qualities .....	5
6 Dimensions and tolerances thereof .....	10
6.1 Brazing filler metals .....	10
6.2 Brazing sheets .....	10
7 Tests .....	15
8 Inspection .....	16
9 Designations .....	16
10 Marking .....	17

## Aluminium alloy brazing filler metals and brazing sheets

**1 Scope** This Japanese Industrial Standard specifies types, qualities, dimensions and tolerances thereof, tests, inspection, designations, and markings of the products of the aluminium alloy brazing filler metals (hereafter referred to as “brazing filler metals”) and brazing sheets, to be used for brazing.

**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 H 0001 *Aluminium, magnesium and their alloys—Temper designation*
- JIS H 0321 *General rules for inspection of non-ferrous metal materials*
- JIS H 1305 *Method for photoelectric emission spectrochemical analysis of aluminium and aluminium alloy*
- JIS H 1306 *Methods for atomic absorption spectrometric analysis of aluminium and aluminium alloys*
- JIS H 1351 *General rules for chemical analysis of aluminium and aluminium alloy*
- JIS H 1352 *Methods for determination of silicon in aluminium and aluminium alloys*
- JIS H 1353 *Methods for determination of iron in aluminium and aluminium alloys*
- JIS H 1354 *Methods for determination of copper in aluminium and aluminium alloys*
- JIS H 1355 *Methods for determination of manganese in aluminium and aluminium alloys*
- JIS H 1356 *Method for determination of zinc in aluminium and aluminium alloys*
- JIS H 1357 *Methods for determination of magnesium in aluminium and aluminium alloys*
- JIS H 1358 *Methods for determination of chromium in aluminium and aluminium alloys*
- JIS H 1359 *Methods for determination of titanium in aluminium and aluminium alloys*
- JIS Z 2201 *Test pieces for tensile test for metallic materials*
- JIS Z 2241 *Method of tensile test for metallic materials*
- JIS Z 2611 *General rules for photoelectric emission spectrochemical analysis of metal materials*
- JIS Z 3001 *Welding terms*

**3 Definitions** For the purposes of this Standard, the definitions in **JIS Z 3001** apply, and the rest of the terms are as follows.

- a) **brazing filler metals** Those which are used independently or used as the skins of brazing sheets.