

# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

---

---

**JIS Z 3129** : 2017

(JWES)

**Preparation of test specimens taken  
from butt welded test pieces for  
one-run and two-run technique in  
steel**

---

ICS 25.160.40

Reference number : **JIS Z 3129 : 2017 (E)**

Date of Establishment: 2005-07-20

Date of Revision: 2017-04-20

Date of Public Notice in Official Gazette: 2017-04-20

Investigated by: Japanese Industrial Standards Committee

Standards Board for ISO area

Technical Committee on Metal and Inorganic

Materials

---

JIS Z 3129:2017, First English edition published in 2017-10

Translated and published by: Japanese Standards Association  
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

---

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

© JSA 2017

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

KK/AT

## Contents

	Page
Introduction .....	1
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions .....	2
4 Preparation of test material .....	2
5 Welding conditions .....	2
6 Heat treatment .....	3
7 Preparation of test specimen .....	3
8 Recording .....	4
Annex JA (informative) Comparison table between JIS and corresponding International Standard .....	7

## 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 Welding Engineering Society (JWES) 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 Z 3129:2005** is replaced with this Standard.

This **JIS** document is protected by the Copyright Law.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

# Preparation of test specimens taken from butt welded test pieces for one-run and two-run technique in steel

## Introduction

This Japanese Industrial Standard has been prepared based on **ISO 15792-2:2000**, Edition 1, with some modifications of the technical contents.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanation is given in Annex JA.

## 1 Scope

This Standard specifies the preparation of test specimens taken from butt welded test pieces for one-run and two-run technique in steel using submerged arc welding consumables, and flux cored wires for gas sealed arc weld and for self sealed arc weld.

This Standard does not apply to the welded joints using electro-slag and electro-gas arc welding consumables.

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 15792-2:2000 *Welding consumables—Test methods—Part 2: Preparation of single-run and two-run technique test specimens in steel* (MOD)

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 21-1**.

## 2 Normative references

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

JIS Z 2242 *Method for Charpy pendulum impact test of metallic materials*

JIS Z 3001-1 *Welding and allied processes—Vocabulary—Part 1: General*

JIS Z 3001-2 *Welding and allied processes—Vocabulary—Part 2: Welding processes*

JIS Z 3001-4 *Welding and allied processes—Vocabulary—Part 4: Imperfections in welding*

JIS Z 3121 *Methods of tensile test for butt welded joints*

NOTE : Corresponding International Standard: ISO 4136:2001 *Destructive tests on welds in metallic materials—Transverse tensile test*

JIS Z 3128 *Sampling method of impact test specimen from welded joint*