

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS S 2146 : 2013

(JGKA/JSA)

Gas-cords

ICS 23.040.70;83.140.40

Reference number : **JIS S 2146 : 2013 (E)**

S 2146 : 2013

Date of Establishment: 1985-07-01

Date of Revision: 2013-11-20

Date of Public Notice in Official Gazette: 2013-11-20

Investigated by: Japanese Industrial Standards Committee
Standards Board

Technical Committee on Consumer Life Products

JIS S 2146:2013, First English edition published in 2015-08

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 2015

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

PROTECTED BY COPYRIGHT

Contents

	Page
Introduction.....	1
1 Scope.....	1
2 Normative references	1
3 Terms and definitions	2
4 Performance.....	3
4.1 Performance of gas-cord	3
4.2 Performance of hose	4
5 Construction and dimensions	6
5.1 Construction	6
5.2 Quick coupling unit.....	6
5.3 Reference length and length tolerances	8
6 Appearance	9
7 Material.....	9
7.1 General.....	9
7.2 Quick coupling unit.....	10
8 Test methods	10
8.1 Test conditions and expression of measured values	10
8.2 Test of gas-cord	12
8.3 Test of hose.....	18
8.4 Construction, dimensions and appearance test	21
8.5 Corrosion resistance test	21
9 Inspection.....	21
10 Marking.....	22
10.1 Marking on product	22
10.2 Marking on package	22
10.3 Caution in handling	22
Annex A (informative) Names of each part of gas-cord.....	24
Annex B (informative) Types of application of gas-cords.....	25
Annex C (informative) Test apparatus and test method of gas permeation resistance test.....	26

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 Industrial Association of Gas and Kerosene Appliances (JGKA)/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 S 2146:2009** 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.

Gas-cords

Introduction

This Japanese Industrial Standard was established in 1985 and has been revised three times up to the present. The revision at this time has been made to update the contents to correspond to changes in actual usage of the product seen since the last revision in 2009.

No corresponding International Standard has been established at this point.

1 Scope

This Standard specifies gas-cords for general domestic use intended for indoor connection of the portable gas appliances for town gas or liquefied petroleum gas (hereafter referred to as “gas”) of gas pressure 3.3 kPa or under with gas taps.

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) listed below shall be applied.

JIS B 7411 *Solid-stem general purpose liquid-in-glass thermometers*

JIS B 7502 *Micrometer callipers*

JIS B 7507 *Vernier, dial and digital callipers*

JIS B 7516 *Metal rules*

JIS G 3314 *Hot-dip aluminium-coated steel sheet and strip*

JIS G 3446 *Stainless steel pipes for machine and structural purposes*

JIS G 3459 *Stainless steel pipes*

JIS G 4303 *Stainless steel bars*

JIS G 4304 *Hot-rolled stainless steel plate, sheet and strip*

JIS G 4305 *Cold-rolled stainless steel plate, sheet and strip*

JIS G 4308 *Stainless steel wire rods*

JIS G 4309 *Stainless steel wires*

JIS G 4313 *Cold rolled stainless steel strip for springs*

JIS G 4314 *Stainless steel wires for springs*

JIS G 4318 *Cold finished stainless steel bars*

JIS H 3100 *Copper and copper alloy sheets, plates and strips*

JIS H 3250 *Copper and copper alloy rods and bars*

JIS H 3260 *Copper and copper alloy wires*

JIS H 3300 *Copper and copper alloy seamless pipes and tubes*

JIS H 3320 *Copper and copper alloy welded pipes and tubes*