



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS B 8820 : 2004

(JCA/JSA)

Rated capacity, rated speed and slewing radius of cranes

ICS 53.020.20

Reference number : JIS B 8820 : 2004 (E)

PROTECTED BY COPYRIGHT



Documents

Document Sharing Hub

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Health, Labour and Welfare, and 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 Crane Association (JCA)/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 8820 : 1995** is replaced with this 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: 1973-10-01

Date of Revision: 2004-02-25

Date of Public Notice in Official Gazette: 2004-02-25

Investigated by: Japanese Industrial Standards Committee

Standards Board

Technical Committee on Logistics and
Distribution of Goods

JIS B 8820:2004, First English edition published in 2004-12

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 2004

All rights reserved. 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

 **Documents**
Document Sharing Hub

Contents

	Page
1 Scope	1
2 Normative reference.....	1
3 Rated capacities	1
4 Rated speeds.....	1
5 Slewing radius	1
Annex (informative) ISO 2374 : 1983 Lifting appliances—Range of maximum capacities for basic models.....	8

Rated capacity, rated speed and slewing radius of cranes

1 Scope This Japanese Industrial Standard specifies the rated capacity, rated speed and slewing radius of overhead type cranes with crab, special overhead type traveling cranes, portal bridge cranes (including unloader) and jib type cranes (including unloader). It is preferable to apply numerical values defined in this Standard, as appropriate, to the cranes which are not specified in this Standard.

2 Normative reference The following standard contains provision which, through reference in this Standard, constitutes provision of this Standard. The most recent editions of the standard (including amendments) shall be applied.

JIS B 0146-1 *Cranes—Vocabulary—Part 1 : General*

3 Rated capacities The rated capacities shall be in accordance with table 1.

4 Rated speeds The rated speeds shall be in accordance with the following:

- a) The rated speeds (hoisting, traversing and traveling) of overhead type cranes with hook shall be in accordance with table 2.
- b) The rated hoisting speeds except for those of overhead type cranes with hook shall be in accordance with table 3.
- c) The rated speeds (traversing and traveling) except for those of overhead type cranes with hook shall be in accordance with table 4.
- d) The slewing speeds shall be in accordance with table 5.
- e) The derricking speeds shall be in accordance with table 6.
- f) The level luffing speeds shall be in accordance with table 7.

5 Slewing radius The slewing radius shall be in accordance with table 8.