# INTERNATIONAL STANDARD

ISO 8686-3

> First edition 1998-11-01

## Cranes — Design principles for loads and load combinations —

### Part 3:

Tower cranes

Appareils de levage à charge suspendue — Principes de calcul des charges et des combinaisons de charge —

Partie 3: Grues à tour



#### ISO 8686-3:1998(E)

#### **Contents**

I Scope	1
Yormative references	
3 Definitions	
1 Symbols and abbreviated terms	
5 General	
6 Loads and applicable factors	
• •	
7 Load combinations — General design	
3 Load combinations on site	5

#### © ISO 1998

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.

International Organization for Standardization Case postale 56 • CH-1211 Genève 20 • Switzerland Internet iso@iso.ch

Printed in Switzerland

#### **Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 8686-3 was prepared by Technical Committee ISO/TC 96, *Cranes*, Subcommittee SC 7, *Tower cranes*.

ISO 8686 consists of the following parts, under the general title Cranes — Design principles for load and load combinations:

- Part 1: General
- Part 2: Mobile cranes
- Part 3: Tower cranes
- Part 4: Jib cranes
- Part 5: Overhead travelling cranes and portal bridge cranes