



International
Standard

ISO 7752-2

**Cranes — Control layout and
characteristics —**

Part 2:

**Basic arrangement and
requirements for mobile cranes**

*Appareils de levage à charge suspendue — Disposition et
caractéristiques des commandes —*

Partie 2: Disposition et exigences de base pour les grues mobiles

ISO 7752-2:2025

<https://standards.iteh.ai/catalog/standards/iso/9b450ea0-5a99-4dd4-bf20-52ddf635aae4/iso-7752-2-2025>

**Third edition
2025-12**

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

ISO 7752-2:2025

<https://standards.iteh.ai/catalog/standards/iso/9b450ea0-5a99-4dd4-bf20-52ddf635aae4/iso-7752-2-2025>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2025

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 General requirements	2
5 Bi-directional levers, cranes with fixed-length boom and fly jib	2
5.1 Basic control arrangements	2
5.2 Direction of movement	4
5.2.1 Slewing control — Hand lever 1	4
5.2.2 Hoisting control — Hand lever 2 and foot pedal 6, hand lever 3 and foot pedal 7	4
5.2.3 Boom luffing control — Hand lever 4	4
5.2.4 Fly jib luffing control — Hand lever 5	4
5.3 Boom luffing control — Alternative arrangement (foot pedal operation)	4
5.3.1 Slewing control — Hand lever 1	5
5.3.2 Hoisting control — Hand lever 2, hand lever 3	5
5.3.3 Boom luffing control — Foot pedals 4 and 5	5
6 Bi-directional levers, cranes with telescoping boom and fly jib	6
6.1 Basic control arrangement — 5 lever configuration	6
6.2 Direction of movement — 5 lever configuration	6
6.2.1 Slewing control — Hand lever 1	6
6.2.2 Boom telescoping or fly jib luffing or fly jib telescoping control — Hand lever 2 (in case of changing by selection switch 8)	6
6.2.3 Hoisting control — Hand lever 3 and foot pedal 9, hand lever 4 and foot pedal 10	7
6.2.4 Boom luffing control — Hand lever 5	7
6.3 Basic control arrangement — 6 lever configuration	7
6.4 Direction of movement — 6 lever configuration	8
6.4.1 General	8
6.4.2 Boom telescoping control in conjunction with selection switch 8 — hand lever 2 and selection switch 8 in position “Boom telescoping”	8
6.4.3 Fly jib luffing or fly jib telescoping control in conjunction with selection switch 7 and selection switch 8 — hand lever 2	8
6.4.4 Boom telescoping control in conjunction with selection switch 8 — hand lever 6 and selection switch 8 in position “fly jib luffing/ fly jib telescoping”	8
6.4.5 Fly jib luffing or fly jib telescoping control in conjunction with selection switch 7 and selection switch 8 — hand lever 6	9
7 Cross-shift levers (multi-directional controls), cranes with fixed-length boom and fly jib	9
7.1 Basic control arrangement	9
7.2 Direction of movement	10
7.2.1 Hoisting 2 and slewing control — Hand lever 1 and foot pedal 3	10
7.2.2 Hoisting 1 and luffing control — Hand lever 2 and foot pedal 4	10
7.2.3 Foot pedals 3 and 4	11
7.2.4 Boom luffing/fly jib luffing selection switch 5 in conjunction with hand lever 2	11
8 Cross-shift levers (multi-directional controls), cranes with telescoping boom and fly jib	11
8.1 Basic control arrangement	11
8.2 Direction of movement	12
8.2.1 Hoisting 2 and slewing control — Hand lever 1 and foot pedal 5	12
8.2.2 Hoisting 1 and boom luffing control — Hand lever 2 and foot pedal 6	13
8.2.3 Boom telescoping control in conjunction with a separate hand lever 3	13
8.2.4 Boom telescoping or fly jib luffing or telescoping control with foot pedal 4 (optional) in place of hand lever 3 in conjunction with selection switch 9	13

8.2.5	Boom luffing/boom telescoping or fly jib luffing/ fly jib telescoping selection switch 7 in conjunction with hand lever 2 instead of hand lever 1 or 3 and foot pedal 4	14
8.2.6	Boom telescoping or fly jib luffing/telescoping control (instead of hoisting 2) selection switch 8 in conjunction with hand lever 1.....	14
9	Remote control station.....	14
10	Control for other functions.....	15
	Bibliography.....	16

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO 7752-2:2025](https://standards.iteh.ai/catalog/standards/iso/9b450ea0-5a99-4dd4-bf20-52ddf635aae4/iso-7752-2-2025)

<https://standards.iteh.ai/catalog/standards/iso/9b450ea0-5a99-4dd4-bf20-52ddf635aae4/iso-7752-2-2025>