

ISO 7752-2:2025-12 (E)

Cranes - Control layout and characteristics - Part 2: Basic arrangement and requirements for mobile cranes

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