
International Standard



7752/5

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**Lifting appliances — Controls — Layout and
characteristics —
Part 5: Overhead travelling cranes and portal bridge
cranes**

Appareils de levage — Organes de service — Disposition et caractéristiques — Partie 5: Ponts roulants et ponts portiques

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Descriptors : handling equipment, lifting equipment, cranes (hoists), control devices, layout.

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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 7752/5 was prepared by Technical Committee ISO/TC 96, *Cranes, lifting appliances and related equipment*.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

Lifting appliances — Controls — Layout and characteristics — Part 5: Overhead travelling cranes and portal bridge cranes

0 Introduction

To reduce driver confusion or incorrect control in an emergency, this part of ISO 7752 unifies controls for certain types of cranes.

ISO 7752/1 establishes the general principles for all kinds of cranes.

1 Scope and field of application

This part of ISO 7752 establishes the arrangement, requirements and direction of movement of the basic controls for travelling, traversing, slewing, cab driving and load hoisting and lowering operations for all overhead travelling cranes and portal bridge cranes, as defined in ISO 4306/1.

2 References

ISO 4306/1, *Lifting appliances — Vocabulary — Part 1: General*.

ISO 7752/1, *Lifting appliances — Controls — Layout and characteristics — Part 1: General principles*.

3 General requirements

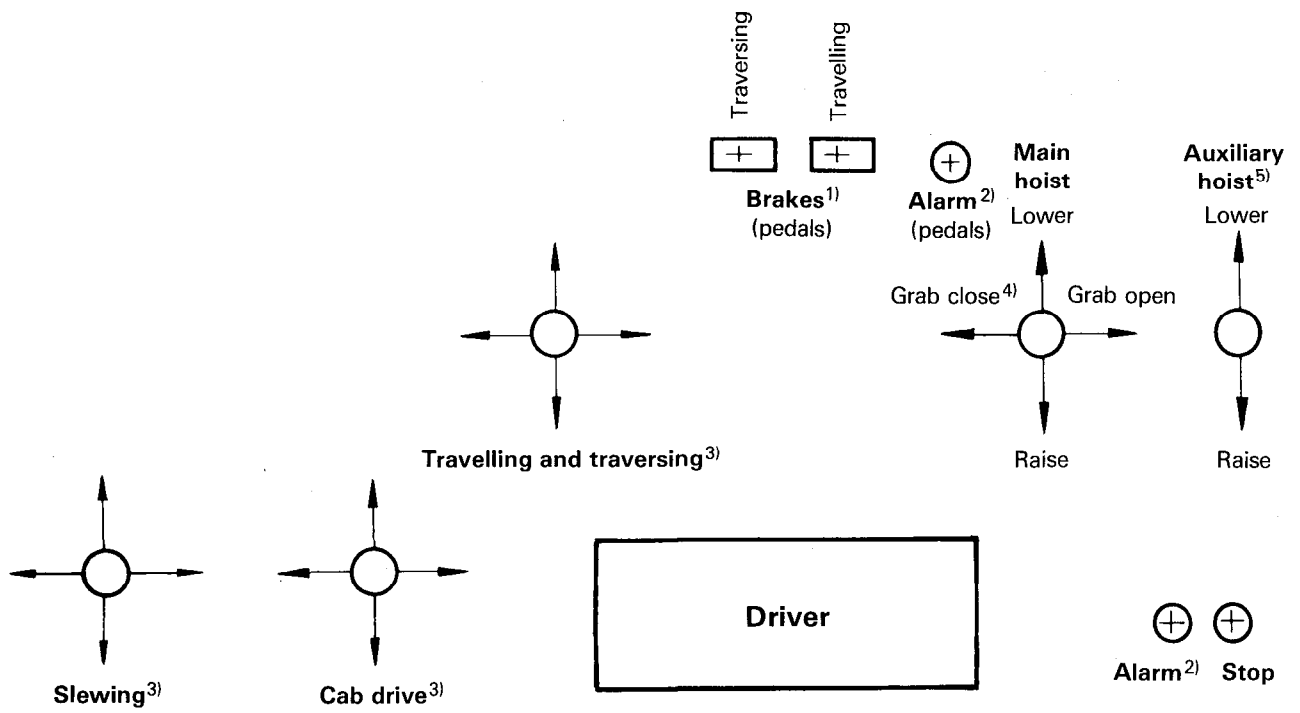
3.1 The basic controls for the crane shall comply with the requirements of ISO 7752/1 with the exception as noted in 3.2.

3.2 The lever forces shall be consistent with the duty of the appliance; the following values are recommended:

- a) Hand levers:
 - forward/back: 60 N
 - right/left: 40 N
- b) Foot pedals: 150 N

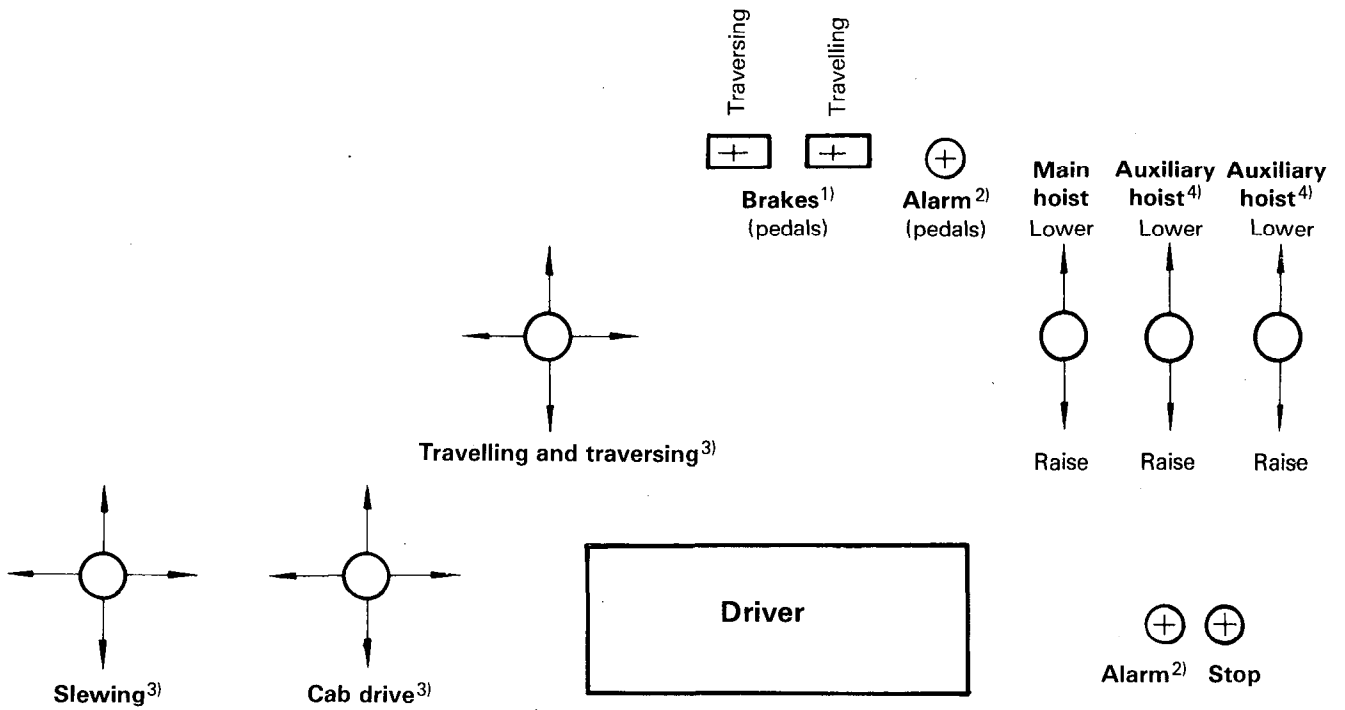
4 Basic control arrangement

Controls for overhead travelling cranes and portal bridge cranes, when applicable, shall be arranged around and in front of the driver as shown either in figure 1 or in figure 2.



- 1) May be a common releasing pedal.
- 2) Alternative locations.
- 3) Handle (joy stick) directions are to be the same as directions of movements.
- 4) Or other loading device function.
- 5) Optional.

Figure 1



- 1) May be a common releasing pedal.
- 2) Alternative location.
- 3) Handle (joy stick) directions are to be the same as directions of movements.
- 4) Optional.

Figure 2