

## Load control refresher

Safety devices and swing-control techniques are key elements of load control for cranes and hoists.

### Safety features and markings

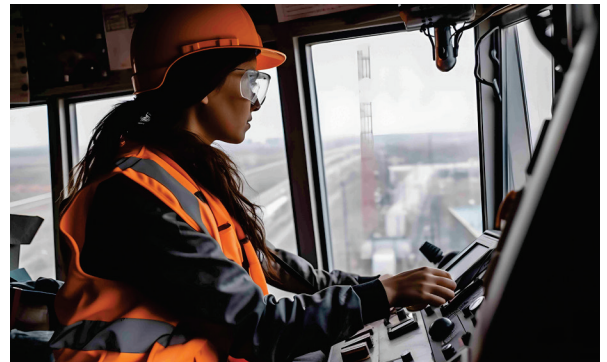
Cranes and hoists are often equipped with a number of specialized safety devices and markings. These features assist with load control. They also help ensure that the crane operator and others involved in a lift know the machine's operating parameters.

Examples of these features and their load-control functions include the following:

- Markings on outrigger beams show the required amount of extension of the outriggers.
- Load weight indicators provide the operator with a measure of the weight of the load.
- Anti-two-blocking devices prevent contact between the hoisting block and the boom.

A safety device/lever for load control must:

- Have its function clearly identified and be maintained in good condition.
- A lever returns to neutral when pressure from the operator is released (if the controls cause load movement).
- Provide a safe distance between the operator and the load being lifted.
- Be supported independently from its electrical conductors (if applicable).



A wireless remote control system for a crane or hoist must have the following load-control features:

- An effective safeguard against unintended activation of the crane or hoist
- Error checking to prevent the crane or hoist from responding to corrupt data
- Identification coding methods to prevent a transmitter other than the designated transmitter from operating the crane or hoist
- A way of stopping all crane or hoist functions if power is lost or the control signal becomes ineffective

The maximum distance between a remote-control panel and the crane or hoist must not exceed the limit set out by the manufacturer. This distance must be confirmed before using the system.

**OHS Regulation reference: section 4.3**

Project: .....

Address: .....

Employer: .....

Supervisor: .....

Date: .....

Time: .....

Shift: .....

Number in crew: .....

Number attending: .....

Other safety concerns or suggestions: .....

.....  
.....

**Record of those attending:**

Name: (please print)	Signature:	Company:
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		

Manager's remarks: .....

.....

Manager: .....

(Signature)

Supervisor: .....

(Signature)

For more information on health and safety requirements for crane operations in B.C., refer to the *Workers Compensation Act* and the OHS Regulation on [worksafebc.com](http://worksafebc.com).