

High risk work licence classes

Cranes

Bridge and gantry crane (CB)

This license authorises the operation of all bridge and gantry cranes.

Bridge and gantry cranes are types of cranes that lift loads using a hoist that travels along a horizontal beam, usually positioned overhead, to move loads side to side and along a work area. The hoist lifts the load vertically and moves along the beam to position it accurately.

Bridge cranes typically run on rails fixed to a building structure, while gantry cranes are supported by legs that run on rails or wheels on the ground, making them suitable for workshops, factories, warehouses, and outdoor yards where repetitive and controlled lifting is required.

A high risk work licence is required where a bridge or gantry crane is operated from a permanent cabin or fixed control station or is remotely operated and has more than three powered movements.

Powered movements may include:

- raising and lowering the load
- movement of the bridge beam along the runway
- movement of the hoist or trolley across the beam
- slewing or other powered motion, where fitted.

These cranes are used for:

- lifting and moving heavy materials or equipment
- repetitive lifting in workshops, warehouses, factories, and yards
- moving loads accurately and safely over a set area.

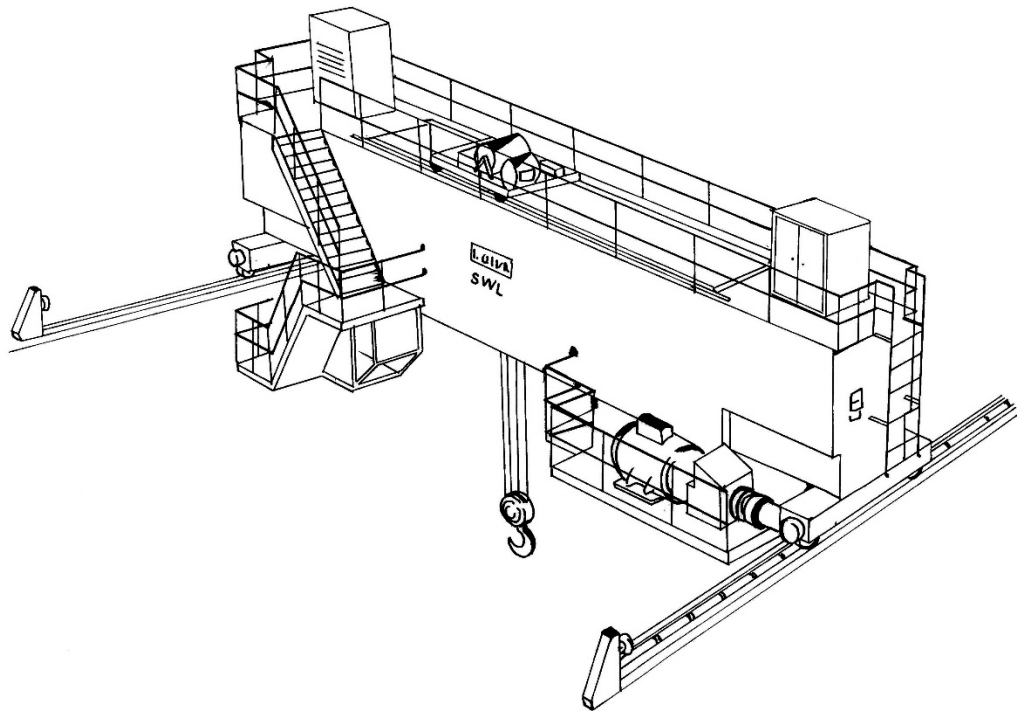


Figure 1 Bridge crane

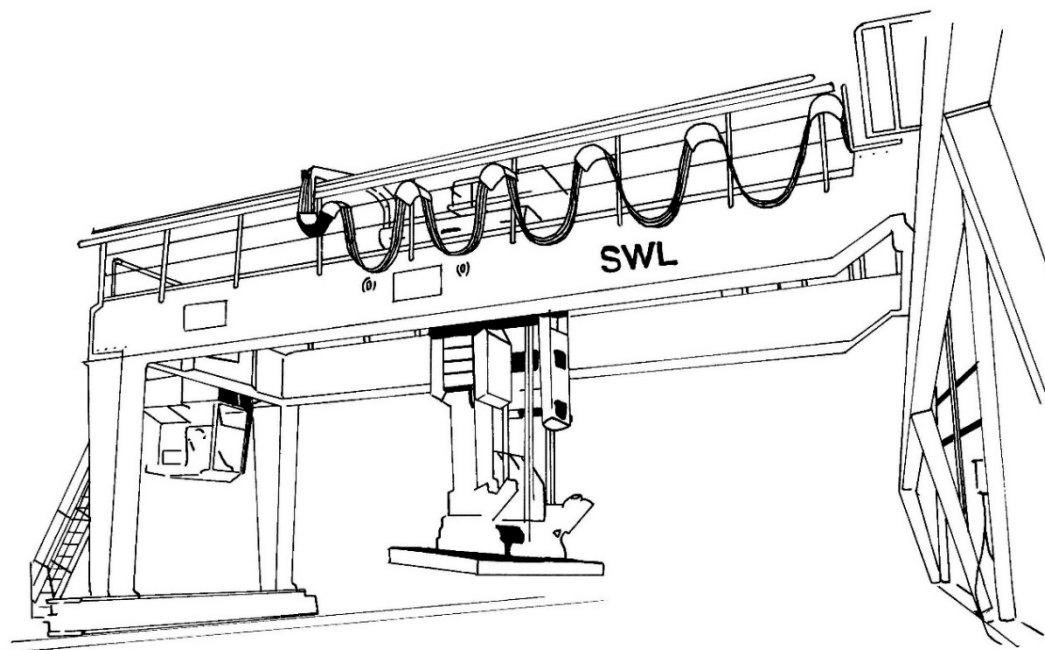


Figure 2 Gantry crane (semi-gantry type)

Further resources

Visit our website for information about other [High risk work licence classes](#).

Acknowledgement

This document was developed using images adapted from WorkSafe Tasmania.