

Move structural steel loads and assemblies

Overview

This standard is about moving structural steel loads and assemblies over a planned route to its final destination in engineering construction.

You will need to be able to move and position structural steel loads so that the weight of the load is evenly distributed and you are able to move and release the load safely in its intended destination whilst adhering to Health and safety legislation, regulations and safe working practices.

In the context of this standard, your responsibility is to interpret and work within given specifications, selecting techniques and making variations to achieve the best possible result. In some cases, you may still be expected to refer to others for final authorisation, even though you remain responsible for identifying and implementing decisions.

Who this standard is for

This standard is for steel erectors

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Performance criteria

You must be able to:

1. work safely at all times, complying with health, safety, environmental and other relevant legislation, regulations, guidelines and local rules or procedures
2. ensure that the **work environment**, material, and equipment are suitably prepared for the work activities to be undertaken
3. identify and confirm the intended destination for the load and its suitability, including making sure that any necessary packing materials are in place
4. position the moving equipment so that the weight of the load is evenly distributed
5. attach the appropriate lifting, moving and handling equipment securely to the load using approved methods to eliminate slippage
6. confirm the load is secure before moving
7. move the load over the selected route
8. position and release the load safely in its intended destination without damaging it
9. **reinstate the work area**
10. deal promptly and effectively with problems and report those that have been and those that cannot be solved

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Knowledge and understanding

You need to know and understand:

1. relevant legislative, regulatory and local requirements or procedures and safe working practices including your responsibilities with regards to reporting lines
2. preparation and reinstatement requirements in respect of the work area, material, and equipment, and the possible consequences of incorrect actions in these areas
3. typical load characteristics
4. methods and techniques for moving loads
5. the types of equipment used for the following:
 - lifting loads
 - moving loads
 - handling loads
6. how to identify the intended destination and confirm its suitability for the load
7. the packing materials that are required to protect the load when it is released
8. tool, equipment and drawing control: the correct use of relevant tools, equipment and drawings and your individual responsibility for the use, care and security of those you use

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Scope/range

Work environment

Typical work environments could include:

- engineering construction sites
- controlled operations
- offshore installations
- maintenance sites
- nuclear sites
- repair sites

Work environments may be open or restricted spaces

- at height
- confined spaces
- control rooms
- designated work areas
- explosive atmospheres
- in plant rooms
- inside structures, system and plant
- on access structures (scaffold)
- on open structures
- existing plants and structures
- fabrication workshops
- onshore and offshore installations
- shafts
- shipyards
- tunnels

Reinstate the work area

This term could include:

- removing barriers
- maintain good housekeeping practices
- correctly disposal of waste materials in accordance with appropriate procedures
- storage of reusable materials, consumables and equipment in accordance with appropriate procedures
- completion of all necessary documentation

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Developed by ECITB

Version Number 3

Date Approved June 2020

Indicative Review Date November 2024

Validity Current

Status Original

Originating Organisation Engineering Construction Industry Training Board

Original URN NE02ECRS9.07

Relevant Occupations Steel Erector

Suite Constructing Capital Plant Steel Structures - Erecting

Keywords erecting; steel structures; lifting; moving; structural steel loads; loads; weight; prepare; route planning; engineering; construction;
