

*WORLD CLASS MINERALS AND ENERGY SECTORS THROUGH SUSTAINABLE DEVELOPMENT*

## DEPARTMENT OF MINERALS AND ENERGY



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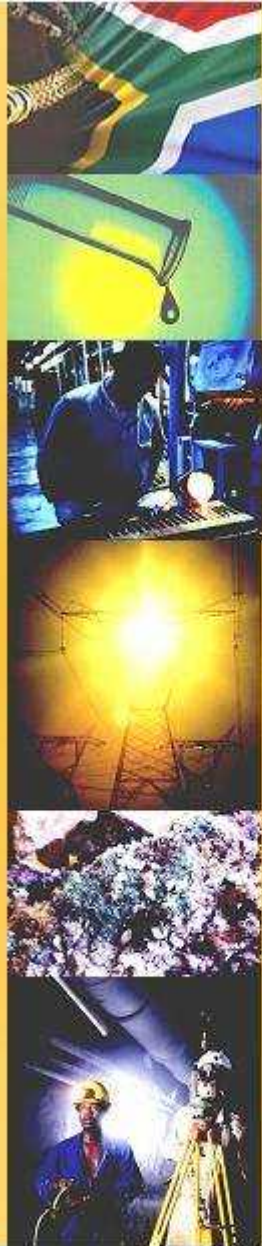
Department:  
Minerals and Energy  
**REPUBLIC OF SOUTH AFRICA**

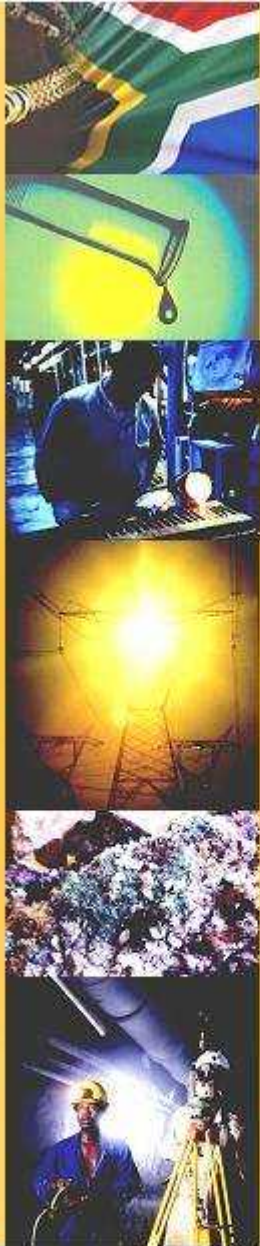
# Lifting Equipment

## Definitions

“**Lifting equipment**” means any equipment or machine, or arrangement of equipment or machines, intended or used for the lifting, lowering, suspension or moving in suspension of any person or load.

“**Lifting tackle**” means any attachment, including anchoring points, used to secure lifting equipment or a load to lifting equipment.





## Regulations

1. The employer must take reasonable measures to prevent persons from being injured because of any lifting equipment or lifting tackle failure as a result of:
  - (a) incorrect design for the intended application;
  - (b) incorrect installation; or
  - (c) insufficient maintenance.;
  
2. The employer must take reasonably practicable measures to ensure that the installation, use (including the transport of persons) maintenance, inspection, testing and keeping of records of lifting equipment and lifting tackle are according with a written operating procedure prepared and implemented for that purpose.



3. The employer must take reasonably practicable measures to ensure that-
- (a) Only lifting equipment and lifting tackle with a minimum factor of safety of four (4) is used;
  - (b) Lifting equipment and lifting tackle are not used beyond their design capacity; and
  - (c) The safe working load of any lifting equipment and lifting tackle is conspicuously and clearly marked or indicated thereon

- 4 Notwithstanding regulation 2, the employer must take reasonably practicable measures to ensure that the following lifting tackle has a minimum factor of safety as indicated:
- (a) ten (10) for natural fiber ropes;
  - (b) six (6) for steel wire ropes, man-made fiber ropes and textile webbing; and
  - (c) four (4) for high tensile steel chains



5. The employer must take reasonable measures to ensure that only persons authorised in writing by the employer to do so, operate lifting equipment and lifting tackle.
6. The employer must take reasonably practicable measures to ensure that lifting equipment used at the mine is designed and manufactured in accordance with an appropriate standard.