

TRACTEL MINIFOR TR30S/TR50 PORTABLE ELECTRIC HOIST RISK ASSESSMENT

Generic Hazards & Risks – For This Type Of Equipment:

The hazards and risks detailed here are generic for this type of equipment and are intended to give principal contractors and users a quick summary of the hazards and risks involved before putting it to use. For details of any additional model specific hazards and user information, reference should be made to the operating instructions/other information supplied with the equipment. In addition to this, instruction and demonstration is also available from our trained staff.

Hazards & Risks:

Commissioning, Installation or Erection of Equipment:

Incorrect use of equipment.

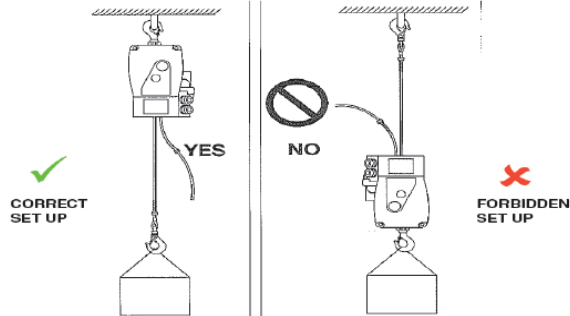
Suggested Control Measures:

Do not use for lifting personnel.

Crushing (Squashing):

Hoist failure from incorrect anchor and rigging arrangement.

Hoist must only be anchored by its body – Do not anchor by the wire rope hook/cable.



Hoist wire rope breaking and the load falling and injuring operator(s)/bystanders.

- (i) Before operating the hoist **always** examine the free movement and self-alignment of the wire rope. Do not obstruct the wire rope entry or exit points.
- (ii) Always check that the 'spring loaded' upper and lower limits stops are fitted and operating correctly.
- (iii) Do not exceed the designed Safe Working Load.
- (iv) Do not use hoist if rope is damaged or frayed.
- (v) Never permit anyone to stand or work under the load.
- (vi) Never leave hoist unattended, with the load raised. Unauthorised personnel may attempt to operate hoist without instruction, creating an unsafe condition.
- (vii) The hoist hook must be correctly aligned to the load at all times.
- (viii) Ensure that the control cable is long enough to enable the operator to operate the hoist "out of harm's way".
- (ix) Ensure that anchor points or pulleys (if used) have sufficient strength to safely apply a load equal to the maximum Safe Working Load (SWL) of the hoist.
- (x) Cordon off the designated work area.

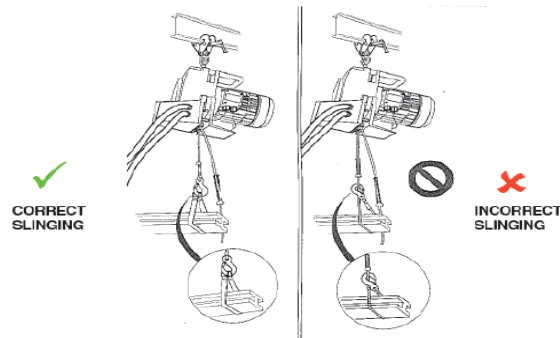
Hazards & Risks:

Crushing (Squashing)...cont'd:

Load falling from incorrect load slinging.

Suggested Control Measures:

Do not use the wire rope as a sling i.e. passing the wire rope around the load and hooking it back onto itself.



Electrical:

Electric shock or burns due to damaged electrical leads and cables.

Operator to ensure no nicks, cuts or damage to electrical cord and plug before cable use. Use with RCD protected power supply.

Water near electrical equipment.

- (i) Do not use in an area where the hoist is likely to get wet.
- (ii) Ensure 240v power cord not positioned in or near water, nor likely to get damaged from falling objects, or pedestrian or other traffic.

Entanglement:

Gloves, fingers and loose clothing can possibly become caught in winch cable entry point.

- (i) Operator instruction – do not use fingers in or near winch cable entry points.
- (ii) Isolate hoist (remove from power source) if you need to handle rope which may have become entangled.

Personal Protection Equipment:

Physical injuries possible if PPE is not used.

Operator to wear appropriate PPE. This may include (but is not limited to) safety glasses, gloves, hard hat, non slip protective footwear etc.