DAVITSAFE

This system is manufactured to meet the requirements of the Work at Height Regulations 2005, the Provision and Use of Work Equipment Regulations (PUWER) 1998 and BS EN 13374 (2004) Temporary Edge Protection Systems.

Davitsafe

The Davitsafe is a simple, robust, demountable steel cantilevered lifting beam system designed to be fitted to Trench Box Systems to support the recue recovery winch. The system satisfies the requirement of the Confined Spaces Regulations (1997) in provided a suitable means of rescue.

The system is manufactured from grade S355 structural steel and comprises a light weight davit arm, socketed tubular pillar and heavy duty clamping anchorage. The davit arm and pillar are free to rotate 290° and can be locked at a number of positions using the supplied locking pin.

The rescue winch is rated to 135kg maximum SWL, in accordance with BS EN 1496 and BS EN 360 and has a maximum working length of 50m. The Davitsafe is rated to 135kg SWL under LOLER with the clamping anchorage rated at 1000kg maximum SWL in accordance with the requirements of BS EN 795 (class B Anchorage).

Product Notes

1. Ensure that the davit arm and pillar are not damaged and that the correct clamps are provided prior to use.
2. Always install the system from a position of safety. If working from an unsupported edge a full risk assessment should be carried out for the installation. Once the clamp is fully tightened check that the base cannot be lifted, slide or rotate.
3. Ensure that the pillar sits square and plumb with the winch at approximately 1.0m above ground level.
4. Always replace damaged davit arms, pillars, clamps, winches, pulleys and brackets.
5. The customer must ensure that these support systems are installed in accordance with guidelines and that the overall construction is sufficiently robust and stable to support a davit.
6. Take care when handling and storing on site as system can be easily damaged.
7. The pillar, davit arm and winch can be disassembled and man handled. However the clamping anchorage is extremely heavy and requires lifting by excavator or crane.
8. Always read installation and user instructions for the winch systems provided prior to use.
9. Always consult for suitability of the system for any specific installation. The Davitsafe must not be clamped to trench sheets less than 6mm thick, trench sheets or piles in pure cantilever or cantilevering more than 1.5m above a waler rail/brace of 0.5m above ground level. In addition it is essential that the excavation support system (that the clamp is attached to) is installed robustly and fully supported buy the ground (no voids/weak ground present).
10. The Davitsafe and winch is inspected /tested at 6 monthly intervals as specified by LOLER and rated for the loads given when used with support systems. However the customer must thoroughly inspect the complete system as installed to ensure that it is suitable for the use intended. It may be appropriate in certain circumstances to load test the system in situ for the SWL of 135kg.

11. When using the rescue recovery winch locate the davit arm pulley directly above the lift location and lock in position. Ensure that the pillar is rotated to a position so that the winch cable does not snag and the winch can be easily operated. Lift the person to above ground level using the winch and lock the winch mechanism. Using a rope either attached to the harness/stretcher or to the top of the davit arm, secure the person for swinging out of the excavation. Remove the locking pin (person's weight may need to be shifted to release) and slowly swing the davit arm out of the excavation. Once safely located about ground, lock the davit arm, unlock the winch mechanism, and lower the person to ground level using the winch.
12. Always ensure that in the event of a recovery situation sufficient area and clearance is available around the davit for safe retrieval.
13. Always ensure davit operations are carried out from a point of safety and rescuers do not stand on unsupported edges or put themselves at risk from falling in to the excavation.
14. The RGR7 winch is a 50m two speed winch with an up/down clutch locking mechanism. It has a 50cm per handle turn and is typically used for confined space entry, manholes and areas where no ladders are fitted.
15. Winch instructions to free wheel the system place a suitable lever in to the release socket, gently apply pressure to the control and pull the wire. The mechanism will allow the spool to free wheel out. Once secure lift the load until the mechanism clicks and the load can be lifted. Never exceed the SWL. If using the system to "man ride" it is advisable to use a secondary fall arrest system as a backup.