

MGF Davitsafe (A) part of the Shoring Safety Product Range



MGF
01942 896282

MGF are committed to improving site safety in and around excavations through innovation. The “Shore-Safe” range of excavation safety systems bear testament to this commitment and are available for use with the complete range of MGF excavation support systems.

These systems are manufactured by MGF 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 (2013) Temporary Edge Protection Systems.

Davitsafe (S)

MGF Davitsafe (S) is a simple, robust, demountable steel cantilevered lifting beam system designed to be fitted to MGF Steel Box Systems and steel piles (including larger trench sheets) to support the MGF fall arrest and rescue recovery winch. The system satisfies the requirement of the Confined Spaces Regulations (1997) in providing a suitable means of rescue. In addition it provides fall protection for personnel using pole ladders to enter an excavation.

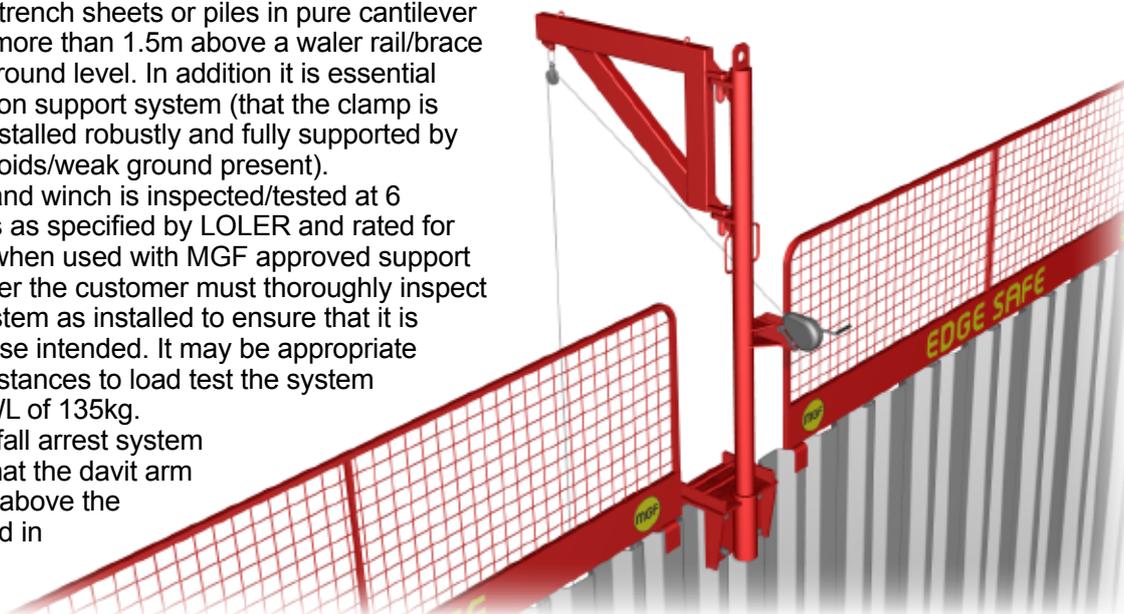
The system is manufactured from grade S355 structural steel and comprises a light weight davit arm, socketed tubular pillar and heavy duty clamping anchorage. The davit arm and pillar are free to rotate 290° and can be locked at a number of positions using the supplied locking pin.

MGF Davitsafe (S) is also available in a lightweight version, which is supplied with a two piece pillar and a lightweight davit clamp, both suitable for manual installation.

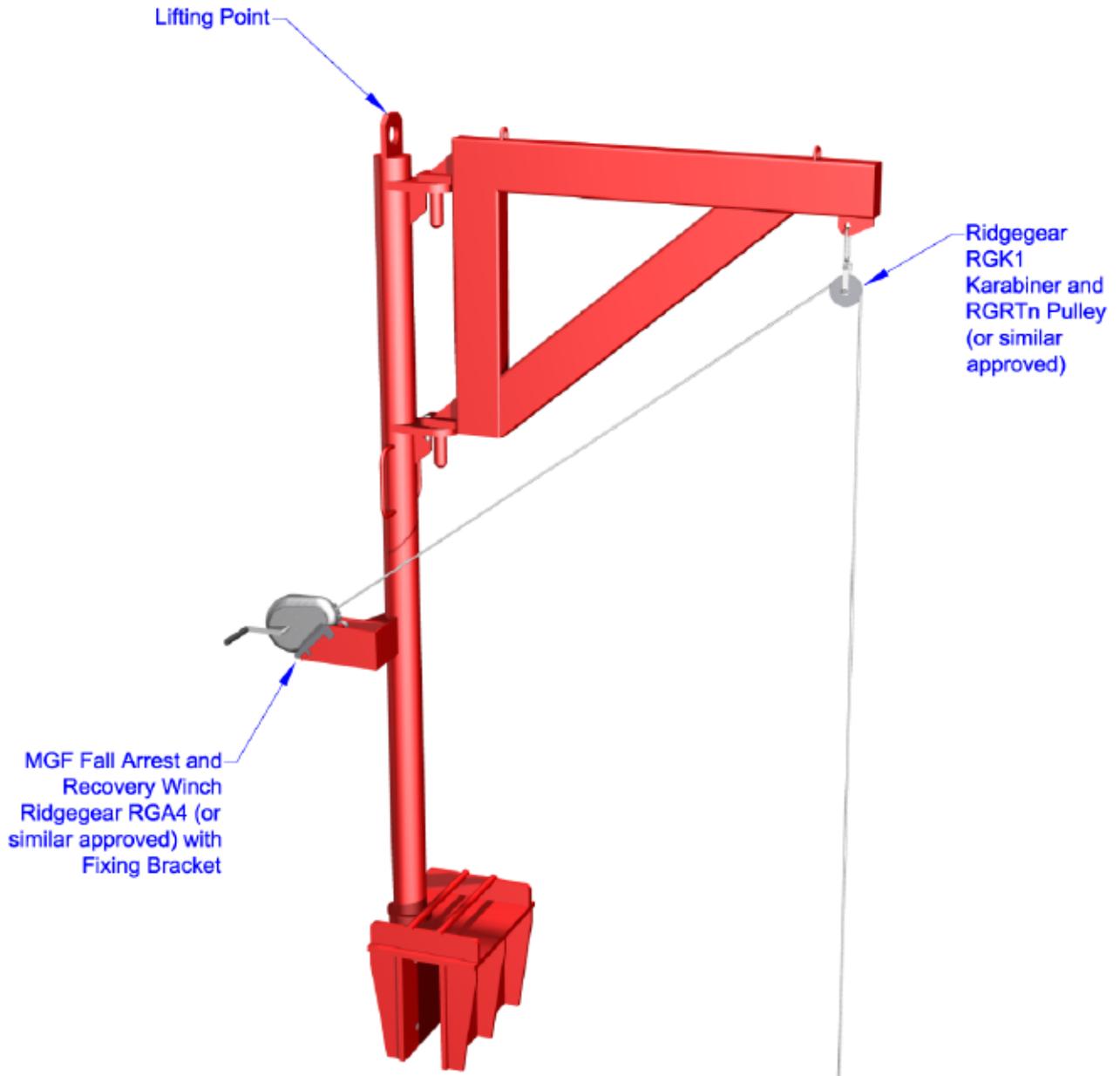
The MGF fall arrest and winch are rated to 135kg max. SWL in accordance with BS EN 1496 and BS EN 360 and has a max. working length of 15m with a max. fall arrest load of 6kN. The MGF Davitsafe (S) & (A) are rated to 135kg SWL under LOLER with the clamping anchorage rated at 1000kg max. SWL in accordance 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 approx. 1.0m above ground level.
4. Always replace damaged davit arms, pillars, clamps, winches, pulleys and brackets.
5. MGF Davitsafe should only be fitted to MGF excavation support systems using the clamps specified. The customer must ensure that these support systems are installed in accordance with MGF 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 Type 1 & 2 steel clamping anchorages are extremely heavy and require lifting by an excavator or crane.
8. Always read installation and user instructions for the winch systems provided prior to use.
9. Always consult with MGF for suitability of the system for any specific installation. MGF 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 or 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 by the ground (no voids/weak ground present).
10. MGF Davitsafe and winch is inspected/tested at 6 monthly intervals as specified by LOLER and rated for the loads given when used with MGF approved 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 fall arrest system always ensure that the davit arm pulley is located above the ladder and locked in position using



- the locking pin provided. The pillar can be rotated to ensure that the winch cable is free to run out and the winch can be easily operated.
12. 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 (persons weight may need to be shifted to release) and slowly swing the davit arm out of the excavation. Once safely located above ground, lock the davit arm, unlock the winch mechanism, and lower the person to ground level using the winch.
 13. Always ensure that in the event of a recovery situation sufficient area and clearance is available around the davit for safe retrieval.
 14. 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.



Davitsafe (S) Type	Standard	Lightweight
Assembled Weight	150-154kg	95kg

For Safe System of Works Guidance for MGF Davitsafe systems please see the MGF website & YouTube channel.
[youtube.com/mgfltd](https://www.youtube.com/mgfltd)
mgf.ltd.uk

Davit Arm (component 1 of 3)

The Davit arm is manufactured from grade S355 120x60 steel box section, and so is lightweight and easy to install on the Davit pillar seating plates.

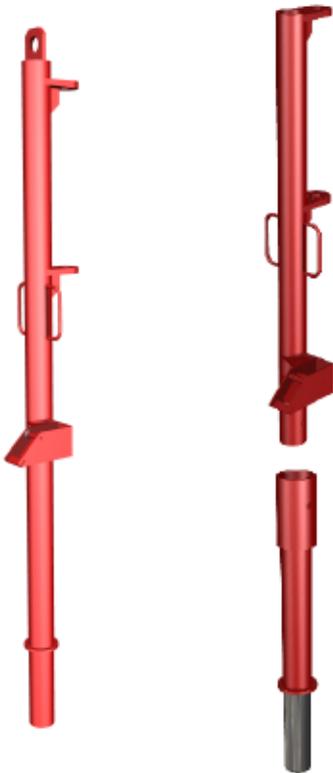
Simple pinned connections allow easy rotation for a slew of 290° about the pillar.



Weight

20kg

Davit Pillar (component 2 of 3)



The Davit pillar is manufactured from grade S355 steel 88.9 x 8 CHS and is 2.3m long. The pillar has a lifting point and two handles to assist with installation and allow rotation of pillar within clamp socket.

A connector plate is provided on the side of the pillar with fixings for MGF approved winches.

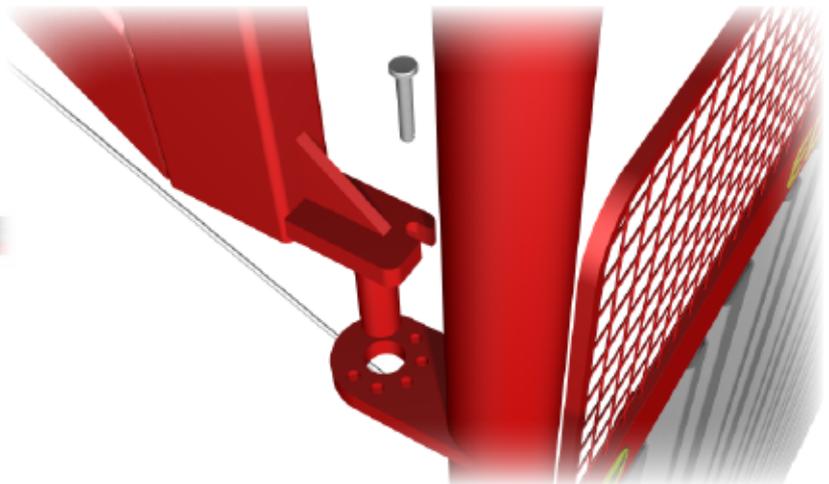
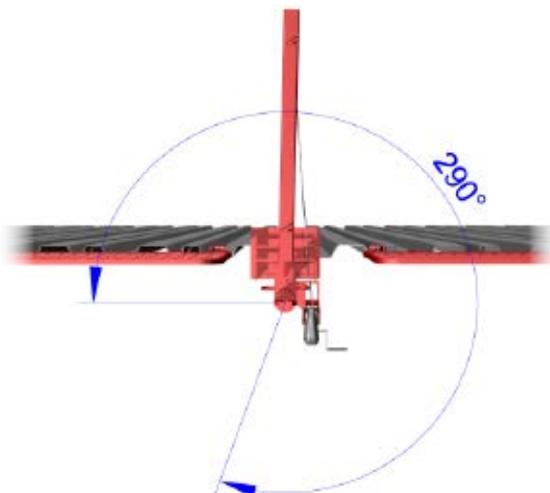
The pillar is socketed at its base for insertion in the Davit clamp socket.

The pillar is available in one piece for excavator or crane lifting, or two pieces suitable for manual handling.

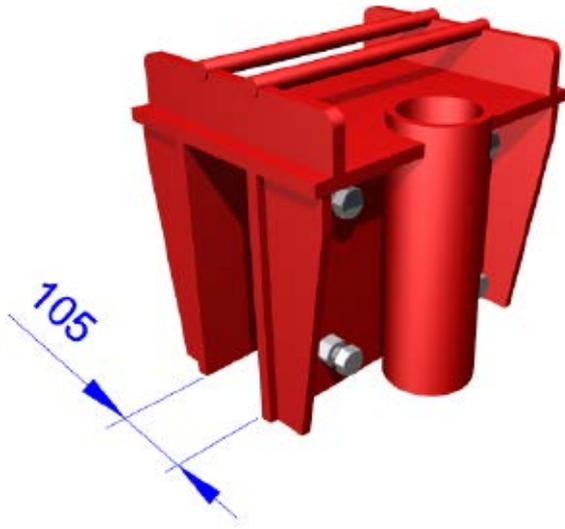
Weight

50kg / 25kg+25kg

A locking pin is provided to secure the Davit arm in place during use.



Type 1 Davit Clamp - MGF Steel Boxes & Trench Sheets (component 3 of 3)



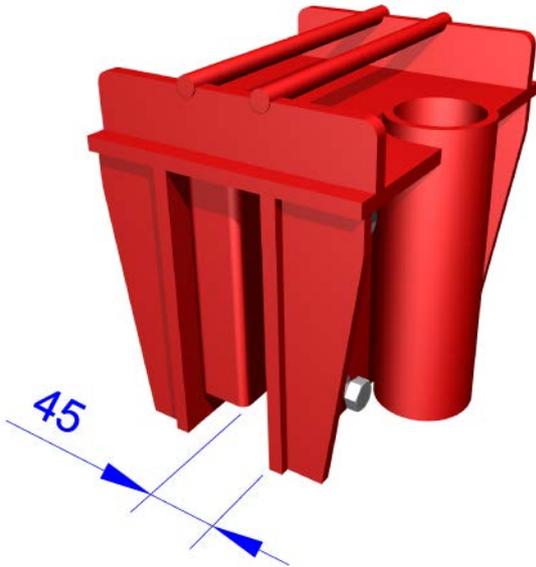
The Type 1 MGF Davit clamp can fit onto the full range of MGF steel boxes as well as MGF KKD and ER trench sheets.

The clamp is connected using 4 M20 set screws.

Weight

80kg

Type 2 Davit Clamp - Sheet Piles (component 3 of 3)



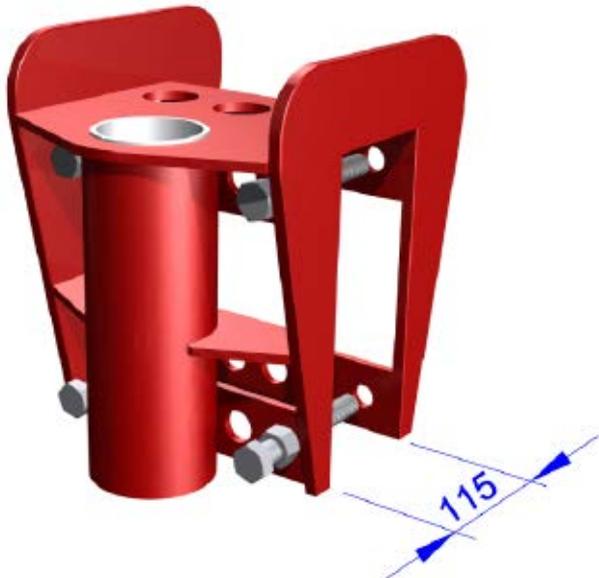
The Type 2 MGF Davit clamp can fit onto the full range of MGF interlocked sheet piles.

The clamp is connected using 4 M20 set screws.

Weight

84kg

Lightweight Davit Clamp - MGF Steel Boxes & Trench Sheets (component 3 of 3)



The MGF Lightweight Davit clamp can fit onto the full range of MGF steel boxes as well as MGF KKD and ER trench sheets.

The clamp is connected using 4 M20 set screws.

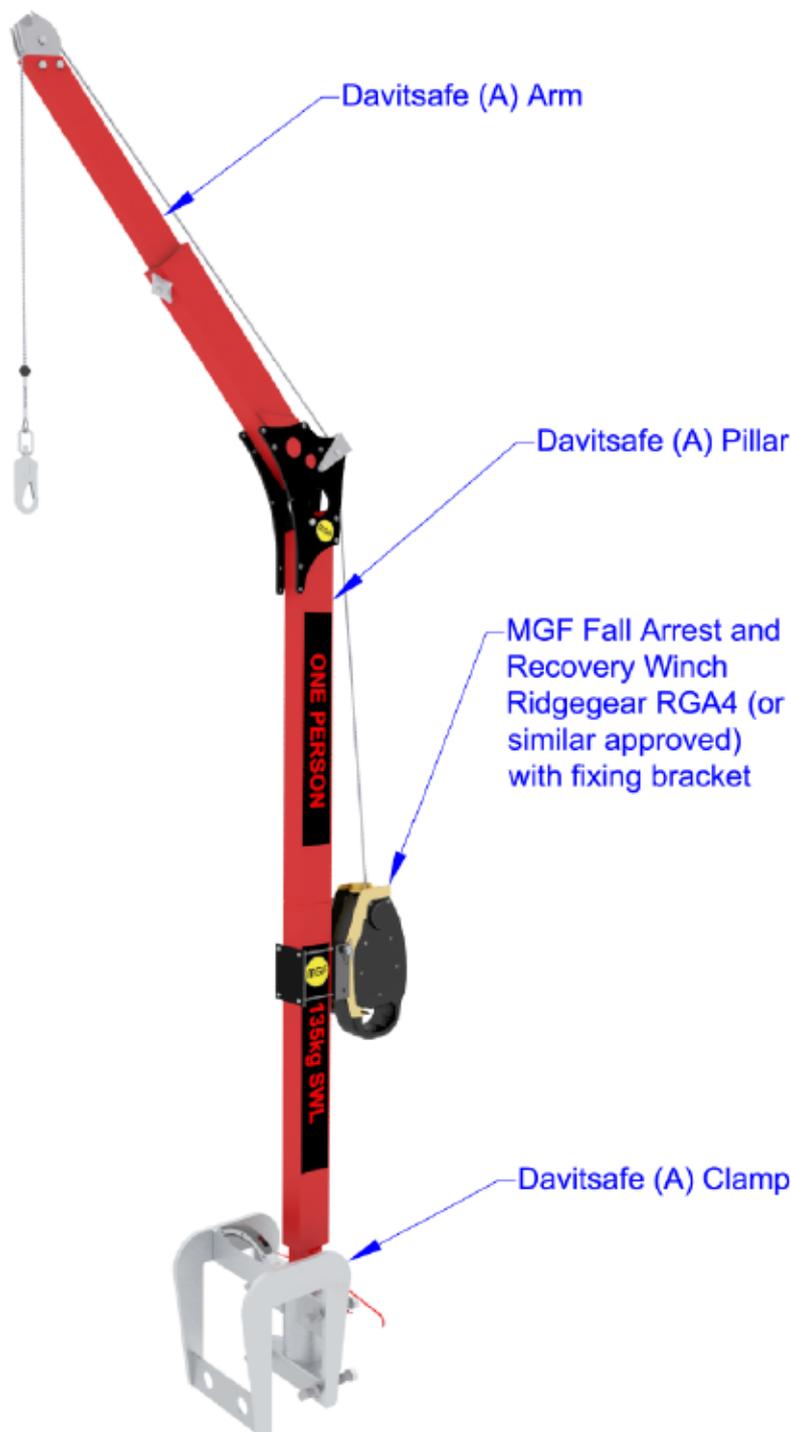
Weight

25kg

Davitsafe (A)

MGF Davitsafe (A) is a lightweight aluminium davit system ideally suited for utility works, designed to be fitted to MGF Steel Box Systems and KKD & ER trench sheets as well as interlocked sheet piles. Fully compliant with BS EN 795 Class B, Davitsafe (A) is suitable for use with the MGF RGA4 fall arrest and recovery winch and RGR7 working winch systems.

The davit comes in a modular system which can be broken down for ease of transport and installation. The extendable davit arm provides a reach between 500mm - 735mm (19.5" to 29").



Davitsafe (A)	Weight
Davit Arm	12kg
Davit Pillar	8kg
Davit Clamp	18kg
Total	38kg

MGF Davitsafe (A) can be provided with alternative fixings to allow the system to be used in situations where affixing to MGF sheets or box panels is not possible

MGF Counter Balance Davit System

The MGF counter balance davit system consists of five individual lightweight components to enable easy transportation and installation. The counter balance davit and RGA4 fall arrest/RGR 7 man-riding winches are connected to the free standing base.

The anchoring system includes a weight rack that uses counter balance/ballast weights to provide support for a davit arm.

No floor penetration is required and the complete system is modular and can be assembled in minutes providing a safe means of man-riding, fall arrest and rescue from height. The MGF counter balance davit system is the ideal system for multiple entry points to various confined spaces, or for when a permanent base plate cannot be mounted.

- MGF counter balance davit system is suited for work where connections to a modular system are not available.
- Independently adjustable legs for level or unlevel ground.
- 5 piece modular system allowing manual installation.
- Complies with BS EN 795 Class B.
- Extendable reach allowing between 500mm - 735mm (19.5" to 29").
- 24 x 15kg weights provide 4:1 safety factor.



MGF Extendable Base Davit System

The MGF extendable base davit system is ideal for man-riding and retrieval in open excavations, where a cantilever system is required. The davit comes in a modular system which can be broken down for ease of transport and installation. The extra adjustable universal base clamp allows the davit to connect to most MGF shoring accessories and other suitable bases between 57mm - 635mm.

- For use with RGA4 fall arrest and RGR7 man-riding winch combinations.
- 4 piece modular system allowing manual installation.
- Complies with BS EN 795 Class B.
- Adjustable base clamp allowing connection between 57mm-635mm.

