

GENERAL

Current health and safety legislation requires that construction equipment users formulate a site specific Safe System of Work (SSoW) to undertake the works they are proposing. This document is intended to provide sufficient product specific guidance on handling, installing, maintaining and removing MGF equipment to allow the SSoW to be compiled. It should always be read in conjunction with the product specific technical files and the site specific design information (including any residual risks to be managed on site) provided by MGF or others.

Users of this equipment should be both familiar with and competent in its use. MGF can provide toolbox talks and training material / advice on request

MGF excavation systems can be supplied with a full range of site safety products and ancillaries. These products are designed to comply with current best practice and meet the requirements of the Lifting Operations & Lifting Equipment Regulations, Work at Height Regulations and the Confined Spaces Regulations.

For MGF contact details or further information visit www.mgf.ltd.uk

SAFETY TIPS

- DO...Visually inspect Drivesafe products before and after each use for damage.
- DO...Ensure that a risk assessment and lifting plan is available prior to any work taking place.
- DO...Ensure that all personnel have a clear view of the drivesafe at all times when in use, never work under a suspended load.
- DO...Ensure excavator quick coupler is secured to Drivesafe pins prior to use.
- DO...Ensure correct Drivesafe unit is specified for excavator - see compatibility table. If in doubt please contact MGF.
- DO...Ensure Drivesafe unit is stored level on timber skids when not in use.
- DO...Drive sheets with a slow steady push and ensure that the Drivesafe unit evenly bears on the top of the sheet.
- DO...Ensure trench sheets are handled / pitched / extracted by experienced banksmen ensuring that the trailing strings from the QRS's cannot snag, extractor / QRS pins are fully secured prior to lifting. Great care must be taken to ensure sheets cannot slip, fingers are not trapped and that operatives are always in a position of safety. In windy conditions additional care is required when it is recommended that 2 persons are used to pitch the sheets.
- DO...Ensure operatives always work from a position of safety. Avoid working on an unsupported edge or an unprotected edge.
- DO NOT...Use the equipment if there are any signs of damage or structural defects.
- DO NOT...Use sudden forces to drive sheets as this can damage the sheet.
- DO NOT...Force the sheet if it has become stuck, any obstructions should be removed or the excavation level may need reducing.
- DO NOT...Use a QRS for removal of sheets, always use a Trench sheet extractor.

IF IN DOUBT ASK!

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Commitment • Innovation • Sustainability

Guidance for Safe Systems of Work: Drivesafe

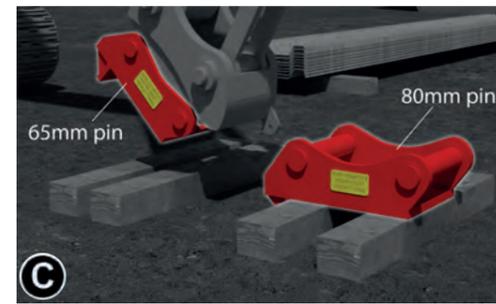
Drawing No.	Rev
GSSW/4.500A	A1
Date of first issue	
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A MGF Drivesafe is an excavator attachment that has been designed specifically for driving trench sheets into the ground when using the push and dig installation technique, and is an alternative to using Driving Caps.



B Prior to delivery, customers are to ensure that a lifting plan is in place to safely handle MGF equipment.



C The Drivesafe unit attaches directly to the Excavator quick coupler. There are 2 types, one designed for 65mm pin quick couplers, and one for 80mm pins.



D Using Drivesafe reduces damage to the trench sheets and quick couplers over traditional push and dig methods, speeds up the installation process and eliminates the need for working at height.



E The 2 designs are fully compatible with Millers, Hill TEFRA and Geith quick couplers, with excavator capacities of between 13 and 25 tonnes. Both designs are suitable for use with all MGF Trench Sheet profiles.



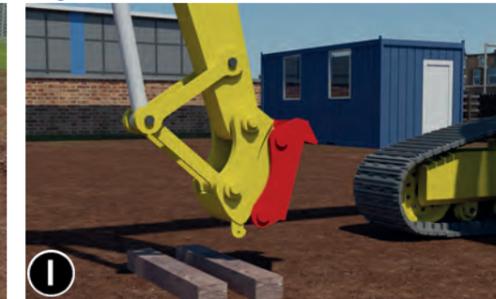
F Prior to attaching the Drivesafe unit the excavation is normally dug to no more than 1m in depth and the hydraulic bracing frames lowered into the trench to be used as a guide during the driving of the sheets.



G Ensure the frames are pumped out to the required dimensions.



H Before use the Drivesafe should be visually inspected for damage.



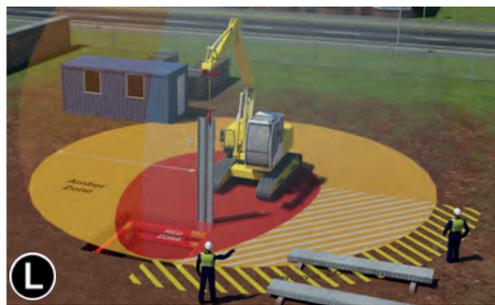
I The Drivesafe unit can now be attached to the excavator.



J A pitching shackle should be attached to the lifting point on the excavator quick coupler.



K Gain access to the sheet handling hole and connect the MGF quick release shackle.



L The sheet should now be carefully lifted over to the excavation. It is recommended to first install the corner sheets. Take care to ensure operatives are not stood within the fall radius of the sheet.



M Once the sheet is correctly positioned and grounded the operative may approach to assist with alignment - ensure operative follows site specific RAMS at all times during installation.



N Push the sheet gradually into the ground to ensure it cannot slip prior to the quick release shackle being released. Make sure the quick release shackle is out of the way of the Drivesafe so it is not damaged.



O The Drivesafe unit should now be used to drive the sheet to its initial level, as specified by the design.



P The guide plates on the Drivesafe can be used to re-align the sheet as it is being driven.



Q The sheet should be driven using a slow, steady push.



R Do not use sudden forces as this could damage the sheet.



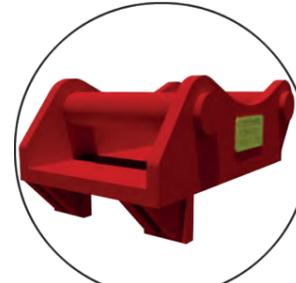
S If the sheet is not driving any further do not force it, as this could cause damage to the sheet and equipment.



T Any obstructions may need removing or the excavation level may need to be reduced before driving the sheet further.



65mm Pin



80mm Pin

Drivesafe Type	Product ID	Weight (kg)	Geith Quick Coupler	Miller Quick Coupler	Hill TEFRA Quick Coupler
65mm	4.500	100	QC65H, QH65M	Range 4	Tefra 13t
80mm	4.501	126	QC80H, QH80M	Range 5, Range 6	Tefra 16t, Tefra 21t, Tefra 25t

See MGF [YouTube](https://www.youtube.com/user/MGFLtd) channel for installation guidance: <https://www.youtube.com/user/MGFLtd>