

MGF ENDSAFE PANELS ARE A SIMPLE, ROBUST EXCAVATION PANEL SYSTEM DESIGNED TO SAFELY SUPPORT VERTICAL SOIL FACES AT THE OPEN ENDS OF BOXES OR TRENCH EXCAVATIONS WHERE IT IS NOT POSSIBLE TO BATTER THE SOIL BACK. THEY ARE DESIGNED TO BE INSTALLED BY AN EXCAVATOR.

System is generally suitable for trench depths of up to 4.8m and widths of up to 4.0m.

Fabricated from fully welded Grade S355 120x60mm and 200x100mm steel box sections. Panels can be connected together and stacked up to 2 high using simple clamps with locking bolts and nuts.

MGF can supply the systems with a full range of suitable lifting chains and Edgesafe edge protection panels.

Manufactured and designed in accordance with BS EN 13331 : 2002 Parts 1 and 2 trench lining systems and BS 5975 (2008) code of practice for temporary works procedures and the permissible stress design of falsework.

PRODUCT NOTES

1. Panels should only be used in the configurations shown by competent persons when specified for use with MGF excavation support systems.
2. Panels are heavy and great care must be taken in selecting a suitable excavator for handling, installing and extracting. If stacking panels on site, timber packers must be used to separate the panels.
3. Panels should not be left in-situ for extended periods within cohesive or very weak soils as earth pressures / adhesion on the panel surfaces may increase significantly with time requiring additional extraction forces to release them.
4. Always use MGF specified lifting chains when lifting and handling the boxes or components.
5. Prior to every lifting operation all lifting points must be carefully inspected by a competent person for evidence of damage.
6. During lifting or extraction operations ensure personnel are well clear of the equipment.
7. Customer must ensure that prior to use checks are made confirming that the installed panels each bear a minimum 75mm onto the box panels either side of the trench. In addition the panels must be square and plumb with soil packed evenly against the back face to ensure the panels cannot shift during the proposed works.



CONNECTING CLAMPS



Each Endsafe panel has 2 lifting / connecting points on each edge. Panels can be connected by attaching a connecting plate on the inner face of the lifting / connecting points and bolting both panels together using 2 No. M30 bolts and nuts for each connector. No more than 2 panels should be connected in this manner.

Product ID	Description	Weight	Panel SWL	Panel Thickness
	(L x H)	(kg)	(kN/m ²)	(mm)
4.191	1800 x 1200	225	45	60
4.192	2400 x 1200	290	45	60
4.193	2400 x 1800	410	45	60
4.194	3000 x 2000	510	45	60
4.196	2400 x 2400	380	45	60
4.195	4000 x 2000	845	45	100



**FOR SAFE SYSTEM OF WORKS GUIDANCE
FOR MGF ENDSAFE PANELS:**

mgf.ltd.uk/installation-guidance



ENDSAFE PANEL ALLOWABLE CONFIGURATIONS

<p>1.2m Wide Configurations</p>	
<p>1.8m Wide Configurations</p>	
<p>2.0m Wide Configurations</p>	
<p>2.4m Wide Configurations</p>	
<p>3.0m Wide Configurations</p>	
<p>4.0m Wide Configurations</p>	