

TRENCH SHEETS, SHEET PILES AND ANCILLARIES



TRENCH SHEETS	6.1	ANCILLARIES:	6.7
SHEET PILES	6.2	DRIVING CAPS	
WALER AND TIE BACK SYSTEMS	6.3	QUICK RELEASE PITCHING SHACKLES	
PILING FRAMES	6.4	EXTRACTORS	
TRENCH STRUTS	6.5	DRIVESAFE	
TELESCOPIC / ACROW PROPS	6.6	PILING HAMMER (EMV)	6.8

MGF trench sheets used in combination with the MGF Tie Back and Waler system to retain canal banks



MGF TRENCH SHEETS ARE AVAILABLE IN A WIDE RANGE OF PROFILES AND LENGTHS AND ARE GENERALLY SPECIFIED TO SUPPORT THE VERTICAL FACES OF MOST SMALL TO MEDIUM SIZED TRENCHES AND EXCAVATIONS BETWEEN 1M AND 9M IN DEPTH.

The sheets are primarily designed to be handled and installed by excavators using the bucket to drive the sheets vertically into the ground and are fully compatible with the complete MGF shoring range. The sheets are manufactured in the UK by MGF in a variety of steel grades to BS EN 10249 Part 1. The range includes both lapped and interlocking systems. Handling holes are provided as standard at one end of the sheet, all MGF FLP, ER, KKD and FKD trench sheets are supplied with 2 handling holes at the top of the sheet. Extra handling holes can be provided upon request. MGF design and specify the sheets in accordance with the relevant standards and guidance documents listed in section 1.

MGF can supply the sheets with a range of compatible driving caps, Drivesafe quick hitch driving caps, lifting chains, Quick Release Shackles, extractors, Edgesafe edge protection panels, Laddersafe access platforms and GRP or wooden pole ladders and Davitsafe retrieval / fall arrest systems.

PRODUCT NOTES

1. Trench sheets should only be installed and removed by a person with the relevant skills and experience using excavators specified to suit the size of trench sheet and the anticipated ground conditions / site constraints.
2. Trench sheets are heavy and difficult to handle / pitch on site and these operations should only be carried out by experienced banksmen. Always ensure that the sheets are not lifted over personnel and that the trailing ropes on Quick Release Shackles cannot snag. Great care should be taken to avoid trapping fingers whilst pitching the sheets. Additional care must be taken in windy conditions when it is recommended that at least 2 persons are used to pitch the sheets.
3. MGF strongly recommend that a driving cap is always used to prevent unnecessary damage to the tops of the trench sheet when being driven into the ground using the excavator bucket.
4. When stacking sheets on site it is recommended that they are placed in bundles of no more than 6 sheets and staggered on timber spacers to allow for ease of handling and to minimise the risk of trapping hands / fingers.
5. Other sheet lengths, profiles and grades are available upon request. MGF can also provide sheets for sale with a galvanised finish.
6. In order to assist installation MGF can supply guide walings and piling frames. For availability and details contact MGF direct.
7. Trench sheets must only be removed using MGF extractors. Use of a Quick Release Shackle for extraction will lead to damage of the spring mechanism.
8. MGF offer a complete re-roll and refurbishment facility for damaged trench sheets.
9. MGF interlocking trench sheets can provide limited protection against groundwater ingress and should always be used with caution where high water flows are anticipated.
10. Trench sheets are generally not recommended for cantilevered designs as deflections can be a significant issue.

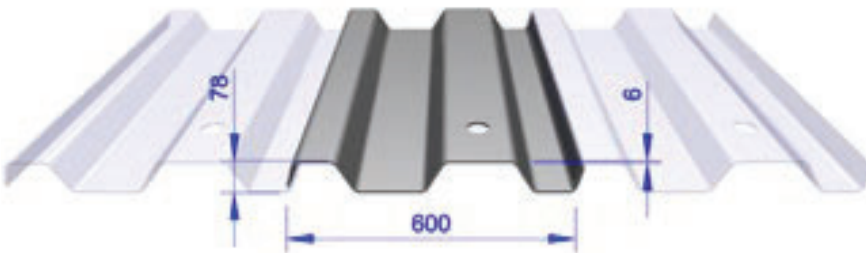
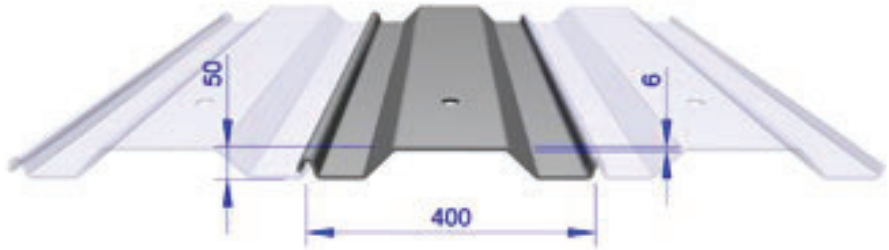


LAPPED SHEETS



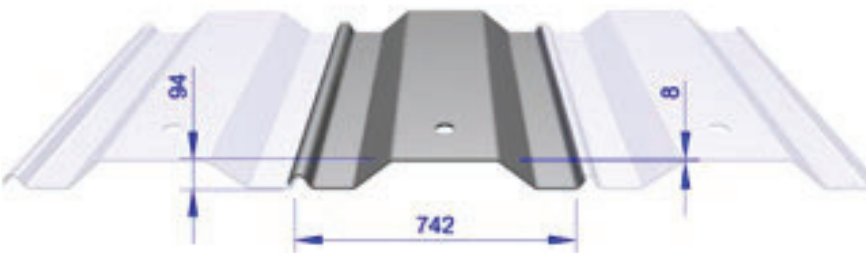
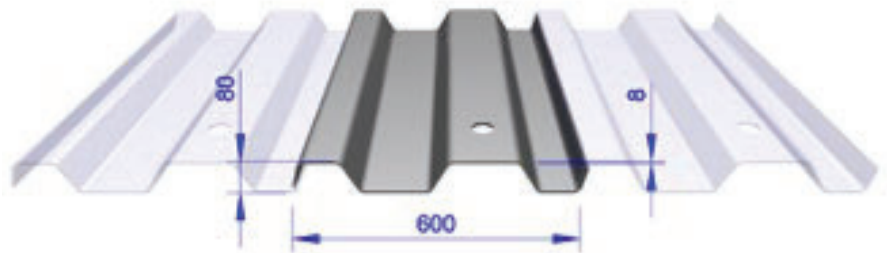
STANDARD
Product ID: 3.10
 Available lengths:
 2m-4m

FKD 400/6
Product ID: 3.2
 Available lengths:
 2m-6m



KKD 600/6
Product ID: 3.3
 Available lengths:
 3m-7m

KKD 600/8
Product ID: 3.4
 Available lengths:
 4m-8m

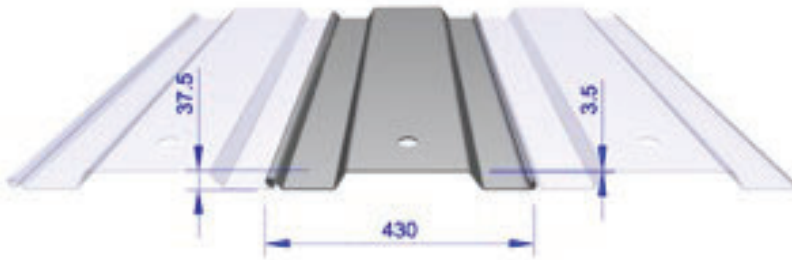


ER 750/8
Product ID: 3.7
 Available lengths:
 5m-9m

Sheet Type	Material Grade	Max. SWL	Section Modulus	Moment of Inertia	Weight per m	Weight per m ²
		(kNm/m)	(cm ³ /m)	(cm ⁴ /m)	(kg/m)	(kg/m ²)
STANDARD	S235 JRC	7.8	45.7	84.8	11.3	34.4
STANDARD	S275 JRC	9.3	45.7	84.8	11.3	34.4
FKD 400/6	S275 JRC	19.8	98.8	250.1	22.1	55.3
KKD 600/6	S275 JRC	36.8	184	717.5	37.5	62.5
KKD 600/8	S275 JRC	48.4	242	947	50	83.3
ER 750/8	S355 J0C	66.0	254	1197.2	53.6	72.2
L8	S235 JRC	9.1	52.3	98.15	14.4	33.2
FLP 600/3.5	S275 JRC	33.5	183	1215.1	23.1	38.5
FLP 600/6	S275 JRC	61.2	306	2067.2	38.8	64.6

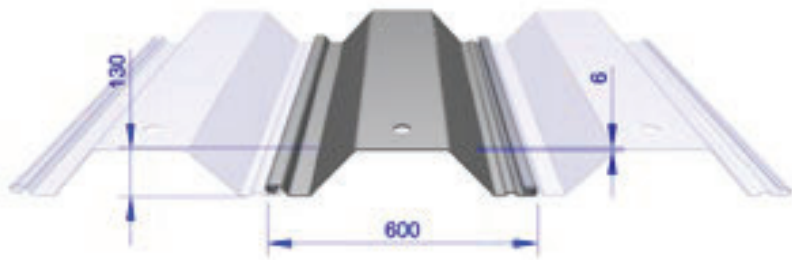
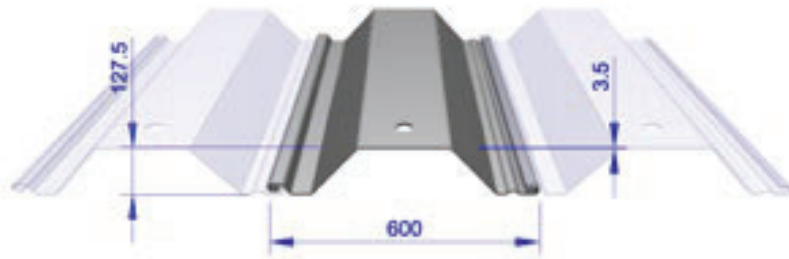
Max SWL based on temporary works allowable stresses.

INTERLOCKING SHEETS



L8
Product ID: 3.9
Available lengths:
SALE ONLY

FLP 600/3.5
Product ID: 3.8
Available lengths:
SALE ONLY



FLP 600/6
Product ID: 3.5
Available lengths:
4m-7m

All MGF FLP, ER, KKD and FKD trench sheets are supplied with 2 handling holes at the top of the sheet. Extra handling holes to any sheet can be provided upon request.



MGF Trench Boxes