



TRENCH BOXES ■ MANHOLE BOXES ■ BRACING
LADDER ACCESS/SAFE GUARD ■ TRENCH SHEETS
SHEET PILING ■ MANHOLE SHUTTERS ■ AND MORE...



MAXXSHORING.COM / SALES@MAXXSHORING.COM
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Maxx Shoring supply a complete range of Groundwork Shoring Equipment for hire and sales. Backed by Field Engineers offering a full design service, ensuring the safest and most efficient solution to all your Shoring needs is achieved.

Maxx Shorings commitment to customer satisfaction, safe working practice, product quality and speed of delivery, makes them your number one choice for all Shoring requirements.

CONTENTS

- 3** TRENCH BOXES
- 5** MANHOLE BOXES
- 7** DRAG BOXES
- 8** WALERS/MANHOLE BRACE
- 9** BRACING
- 12** TRENCH SHEETS
- 13** SHEET PILING
- 14** MANHOLE SHUTTERS
- 15** ANCILLARY ITEMS

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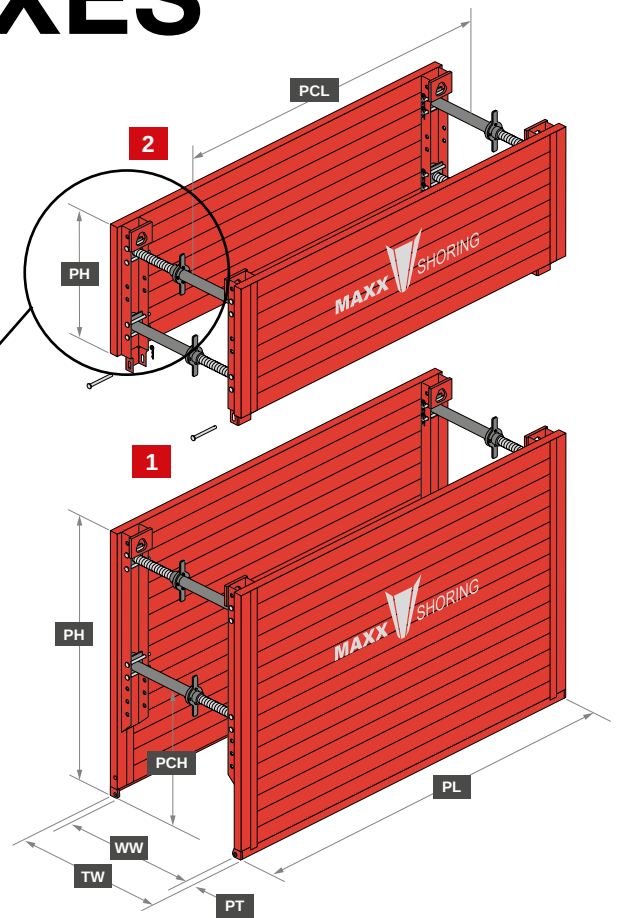
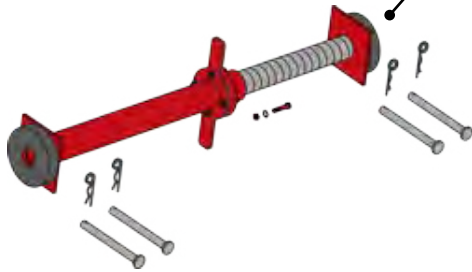
DEPOT LOCATIONS

- ESSEX
- MIDLANDS

TRENCH BOXES

TRENCH BOX RANGE

Simple to assemble 2-sided mechanical excavation support systems. These are designed to be installed using an excavator using the dig and push method. These boxes are manufactured to suit Maxx Shoring ancillary items from Edge Protection, Ladder Access Platforms to Davit Arms. Produced to BS-EN1331, 2002 Parts 1&2 trench lining systems & BS5975 code of practise for temporary works procedures.



BACKHOE BOX

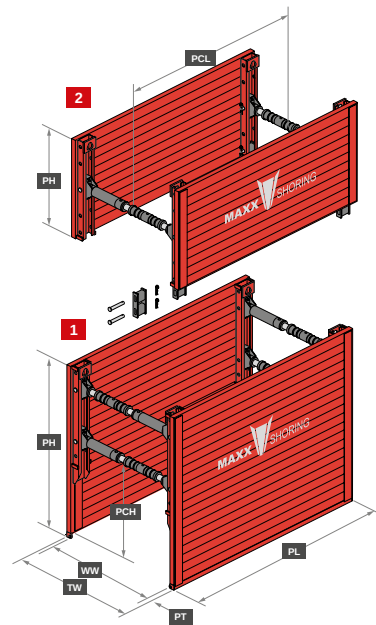
Lightweight Trench Box suitable for excavations up to 3 mtrs where ground pressure does not exceed 31.9kN/m².

Product	Length (mm) PL	Height (mm) PH	Trench Width Min (mm) TW	Trench Width Max (mm) TW	Plate Thickness (mm) PT	Clearance Between Struts (mm) PCL	Clearance Under Lower Strut (mm) PCH	SWL (kN/m ²)	Weight (kg) c/w Type B Strut
BACKHOE BOX									
Base Unit	3000	2000	660	2220	60	2600	940	31.9	904
Top Unit	3000	1000	660	2220	60	2600	940	31.9	536

Type	Working Width (mm)		Trench Width (mm)		Safe Working Load (kN)	Weight Complete (kg)
STRUT	min	max	min	max		
A	0.53	0.73	0.66	0.86	160	13.2
A	0.71	1.07	0.84	1.20	147	16
C	1.05	1.65	1.18	1.78	127	19.5
D	1.50	2.10	1.63	2.23	107	22.5

MINI PLUS TRENCH BOX

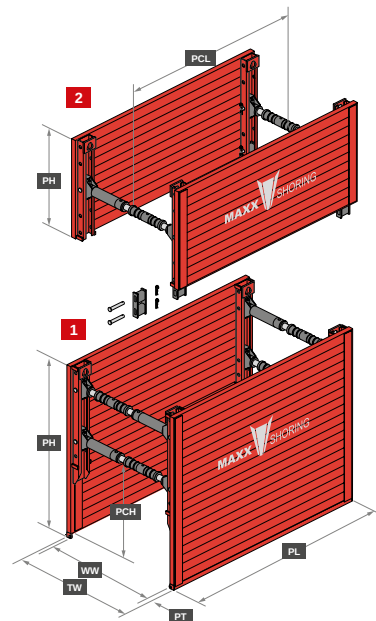
Suitable for excavations up to 4mtrs deep where the maximum ground pressure does not exceed 28.2kN/m², also has greater clearance for larger diameter pipes.



Product	Length (mm) PL	Height (mm) PH	Trench Width Min (mm) TW	Trench Width Max (mm) TW	Plate Thickness (mm) PT	Clearance Between Struts (mm) PCL	Clearance Under Lower Strut (mm) PCH	SWL (kN/m ²)	Weight (kg) c/w Type B Strut
MINI PLUS TRENCH BOX									
Base Unit	3500	2600	1100	4400	60	3100	1270	28.2	1899
Top Unit	3500	1400	1100	4400	60	3100	1270	28.2	1061

STANDARD TRENCH BOX

Suitable for excavations up to 5.50m deep where the maximum ground pressure does not exceed 28.2kN/m², with a pipe clearance of 1500mm.

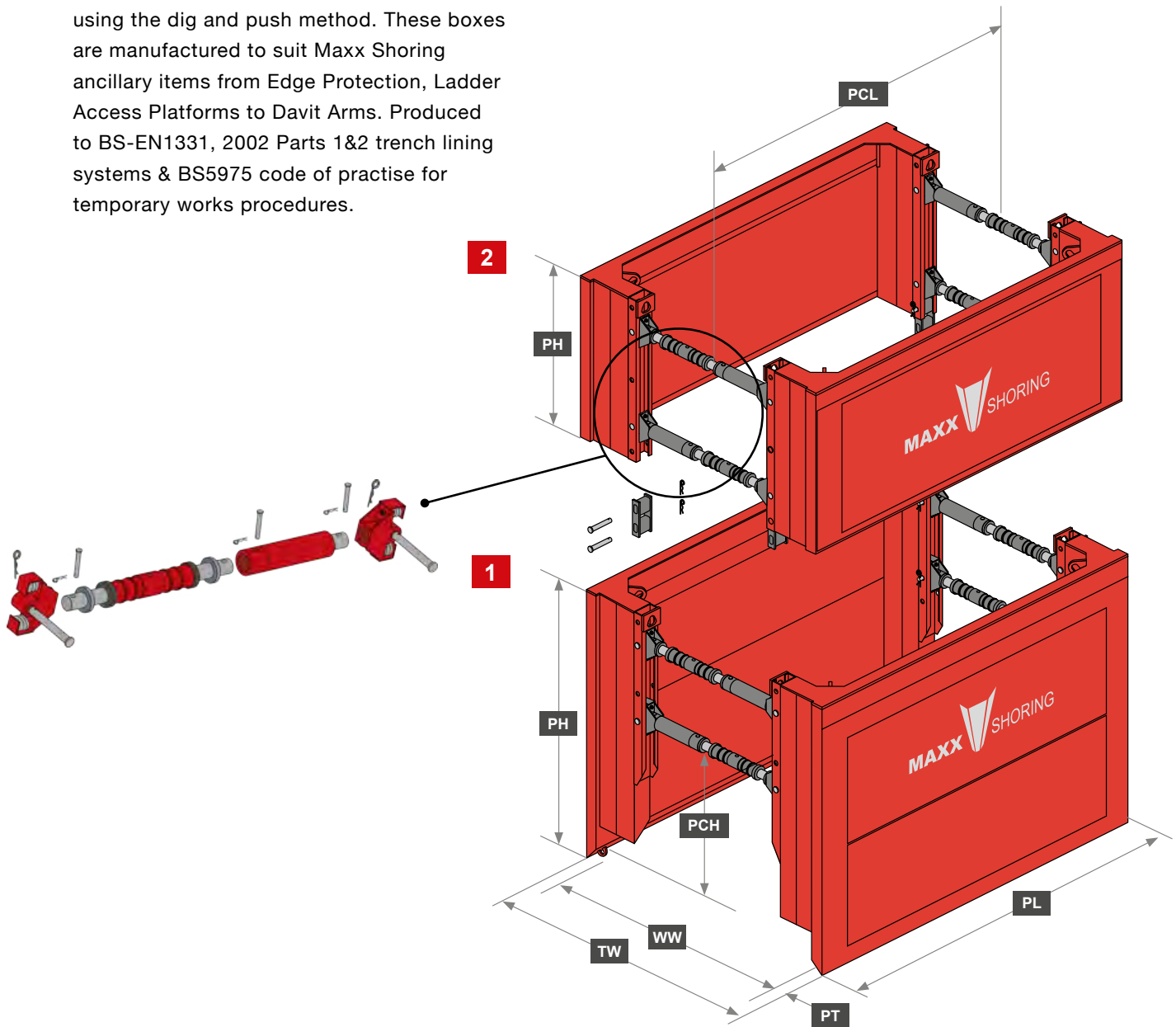


Product	Length (mm) PL	Height (mm) PH	Trench Width Min (mm) TW	Trench Width Max (mm) TW	Plate Thickness (mm) PT	Clearance Between Struts (mm) PCL	Clearance Under Lower Strut (mm) PCH	SWL (kN/m ²)	Weight (kg) c/w Type B Strut
MINI PLUS TRENCH BOX									
Base Unit	3500	2600	1100	4400	107	3100	1500	65.4	2463
Top Unit	3500	1400	1100	4400	60	3100	1500	28.2	1061

MANHOLE BOXES

MANHOLE BOX RANGE

Simple to assemble 4-sided mechanical excavation support systems. These are designed to be installed using an excavator using the dig and push method. These boxes are manufactured to suit Maxx Shoring ancillary items from Edge Protection, Ladder Access Platforms to Davit Arms. Produced to BS-EN1331, 2002 Parts 1&2 trench lining systems & BS5975 code of practise for temporary works procedures.



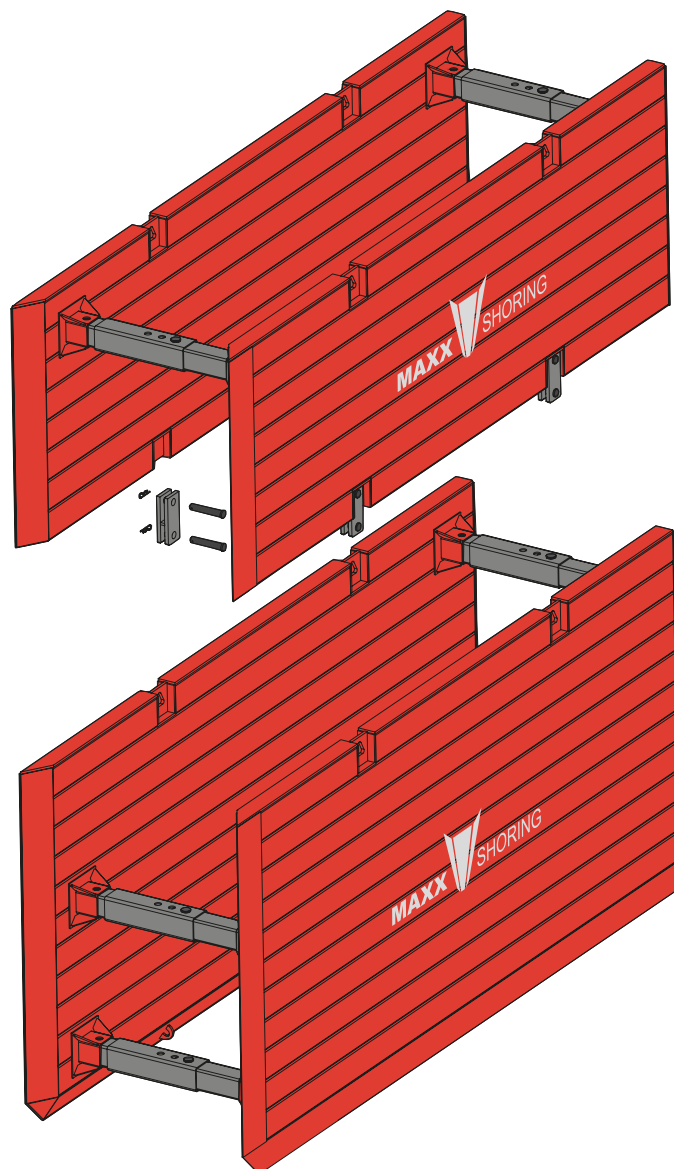
MANHOLE BOX SPEC

Product	Length (mm) PL	Height (mm) PH	Plate Thickness (mm) PT	Clearance Between Struts (mm) PCL	Clearance Under Lower Strut (mm) PCH	SWL (kN/m2)	Weight (kg) c/w Type B Strut
TYPE 100 MANHOLE BOX 2.00M							
Base Unit	2000	2000	60	1700	940	47.8	1271
Top Unit	2000	1000	60	1700	N/A	47.8	590
TYPE 100 MANHOLE BOX 2.50M							
Base Unit	2500	2000	60	2100	940	38.3	1381
Top Unit	2500	1000	60	2100	N/A	38.3	702
TYPE 300 MANHOLE BOX 2.50M							
Base Unit	2500	2400	60	2100	1300	39.4	1956
Top Unit	2500	1400	60	2100	N/A	39.4	1178
TYPE 300 MANHOLE BOX 3.00M							
Base Unit	3000	2400	60	2600	1300	32.9	2109
Top Unit	3000	1400	60	2600	N/A	32.9	1307
TYPE 600 MANHOLE BOX 3.50M							
Base Unit	3500	2400	107	3100	1300	56.3	2968
Top Unit	3500	1400	107	3100	1300	56.3	1706

Type	Working Width (mm)	Trench Width (mm)	Safe Working Load (kN)	Weight Complete (kg)
STANDARD SPINDLE				
0	0.98 - 1.27	1.11 - 1.40	468	65
1	1.48 - 1.77	1.61 - 1.90	403	86
2	1.98 - 2.27	2.11 - 2.40	348	107
3	2.48 - 2.77	2.61 - 2.90	299	128
4	2.98 - 3.27	3.11 - 3.40	254	149
5	3.48 - 3.77	3.61 - 3.90	210	170
6	3.98 - 4.27	4.11 - 4.41	165	191

DRAG BOX

Simple to assemble 2-sided mechanical excavation support systems. These are designed to be installed using an excavator using the dig and drag method, ideally used in self-supporting ground. These boxes are manufactured to suit Maxx Shoring ancillary items from Edge Protection, Ladder Access Platforms to Davit Arms. Produced to BS-EN1331, 2002 Parts 1&2 trench lining systems & BS5975 code of practise for temporary works procedures.



Product	Length (mm) PL	Height (mm) PH	Trench Width Min (mm) TW	Trench Width Max (mm) TW	Plate Thickness (mm) PT	Clearance Between Struts (mm) PCL	Clearance Under Lower Strut (mm) PCH	SWL (kN/m2)	Weight (kg) c/w Type B Strut
DRAG BOX									
Base Unit	5000	2400	1366	2466	120	4040	1020	35	3264
Top Unit	5000	1600	1366	2466	120	4040	2000	35	2435

WALERS/ MANHOLE BRACE

ALUMINIUM WALERS

Simple to assemble 2-sided, single acting hydraulic bracing system, designed to be used with Maxx Shoring Trench Sheets & Ancillaries with Trench runs from 2.00m and widths from 500mm – 3000mm. Produced to BS-EN 14653:2005 parts 1&2 manually operated shoring systems.

Cylinder Type	Length (mm)	Weight (kg)	Max SWL (kN/m)
A	505 - 805	12	80
B	705 - 1205	15	80
C	1105 - 2005	22	80
D	1505 - 2005	28	80



Rails 2.00m, 2.50m, 3.00m, 4.00m & 5.00m long.
(Weight 11kg/m)

1.00m Extension (20kg)

MANHOLE BRACES

Simple to assemble 4-sided, double acting hydraulic Bracing System, designed to be used with Maxx Shoring Trench Sheets & Ancillaries to form shafts and cofferdams with sizes ranging from 2m-6m sheet to sheet. Produced to BS-EN 14653:2005 parts 1&2 manually operated shoring systems.

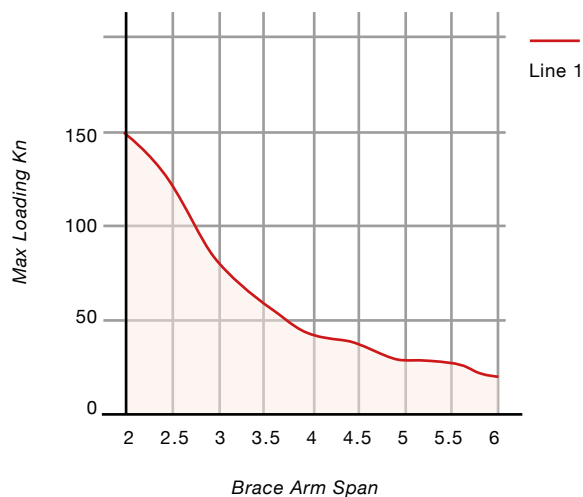
Maximum Axial Load 100kn

Section size 180mm x 180mm

Leg Type	Length (mm)	Leg Weight (kg)	Max SWL (kN/m)
A	2000 - 3000	255	71
B	3000 - 4000	310	52
C	4000 - 5000	395	31
D	5000 - 6000	454	19



Maxx Shoring Manhole Brace



BRACING

Maxx Series Brace is a modular system designed and engineered to maintain excavation integrity. It allows flexibility on site and saves time and money. Most importantly it provides a safe working environment.

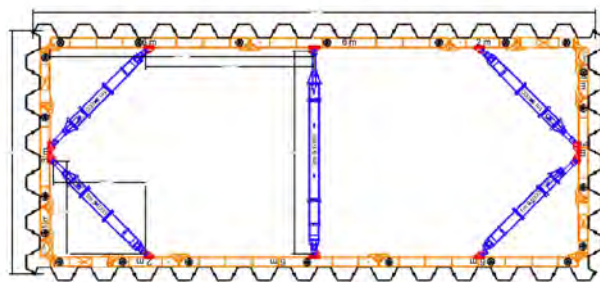
Maxx Series Is:

- The first of its kind, with removable hydraulic rams so the brace is not under hydraulic load
- Easy to install
- Versatile on site
- Time and money saving
- Easy, fast assembly

0.50m, 1.00m, 2.00m, 3.00m & 6.00m Modules, Maxx Series fits together with a full shear capacity joint, secured with one pin. This simple and easy assembly requires minimal training, saving time on site layout.

Reduced weight

The brace is lighter than the conventional method of steel pipe strutting, therefore, smaller machines can be used on site.



	x (m)	R (kN)	M (kNm)
L = 20.00 m	0.00	187.5	0.0
400 Series:	6.00	688.1	442.3
E = 2.1E+08 kN/m ²	14.00	688.1	442.3
I = 60180.0 cm ⁴	20.00	187.5	0.0
M _{pl} = 1504.7 kNm			
Maximum x (m)			
Bending Moment (kNm)		442.3	5.98
Shear Force (kN)		351.7	5.97
Deflection (mm)		9.0	10.00

	x (m)	R (kN)	M (kNm)
B = 20.00 m	0.00	187.5	0.0
300 Series:	6.00	688.1	442.3
E = 2.1E+08 kN/m ²	14.00	688.1	442.3
I = 25170.0 cm ⁴	20.00	187.5	0.0
M _{pl} = 595.0 kNm			
Maximum x (m)			
Bending Moment (kNm)		442.3	5.98
Shear Force (kN)		351.7	5.97
Deflection (mm)		21.4	10.00

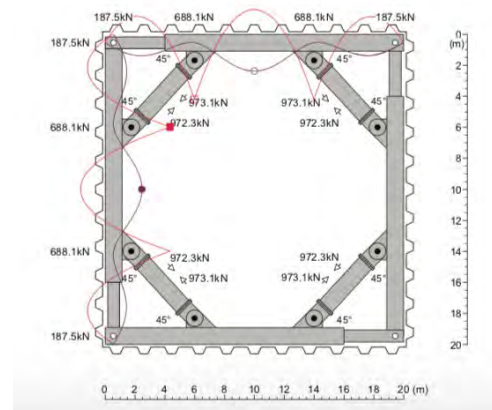
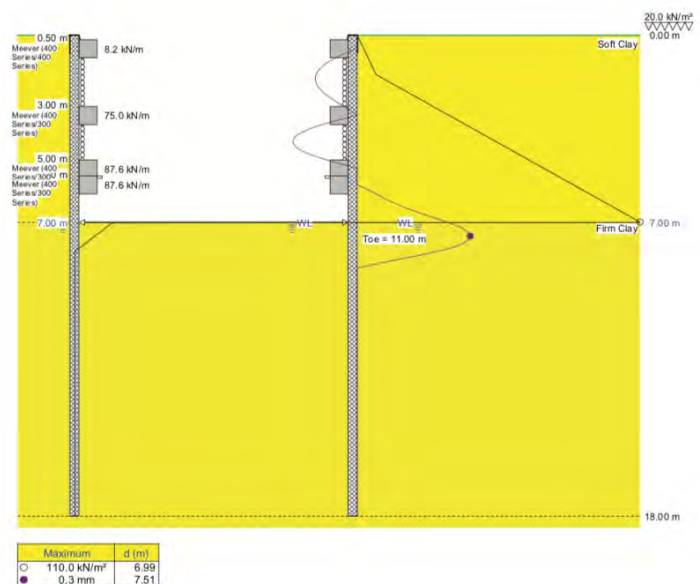
Over dig allowance

The Maxx Series hydraulic unit extends up to 700mm, allowing an overall overlap of up to 200mm. this means that if over-digging occurs, the hydraulic unit can extend 200mm to cover the gap between the modules, creating dig flexibility and convenience on site.

Safe Cross Bracing

Cross Brace connection points have been designed into the modules. This allows a positive connection between the module and the Cross Brace.

The Speed of installation and extraction can be 30%-40% faster than conventional welding of beams and struts with 50% less labour required.



BRACING

300 SERIES

Heavy duty double acting 4 sided hydraulic system to be used in conjunction with Maxx Shoring Trench Sheet piling and Steel Sheet Piling, giving support to excavation sizes from 2.7-13m. The 300 Series is the first of its kind with external removal hydraulic rams.

NPA	NHU 2.00m	NMU	0.50m ext	1.00m ext	2.00m ext	3.00m ext	6.00m ext	Sheet to sheet (mm)		Clear opening (mm)	
45kg	442kg	446kg	103kg	207kg	330kg	453kg	826kg	min	max	min	max
1	1							2705	2908	1945	2148
1	1		1					3205	3408	2445	2648
1	1			1				3705	3908	2945	3148
	1	1						3855	4558	3095	3798
	1	1	1					4355	5058	3595	4298
	1	1		1				4855	5558	4095	4798
	1	1	1	1				5355	6058	4595	5298
	1	1			1			5855	6558	5095	5798
	1	1	1		1			6355	7058	5595	6298
	1	1				1		6855	7558	6095	6798
	1	1	1			1		7355	8058	6595	7298
	1	1		1		1		7855	8558	7095	7798
	1	1	1	1		1		8355	9058	7595	8298
	1	1			1	1		8855	9558	8095	8798
	1	1	1		1	1		9355	10058	8595	9298
	1	1					1	9855	10558	9095	9798
	1	1	1				1	10355	11058	9595	10298
	1	1		1			1	10855	11558	10095	10798
	1	1	1	1			1	11355	12058	10595	11298
	1	1			1		1	11855	12558	11095	11798
	1	1	1		1		1	12355	13058	11595	12298



BRACING

400 SERIES

Heavy duty double acting 4 sided hydraulic support system to be used in conjunction with Maxx Shoring Trench Sheet piling & Steel Sheet Piling, giving support to excavation sizes from 4.8 - 16.0m. The 400 Series is the first of its kind with external removal hydraulic rams.

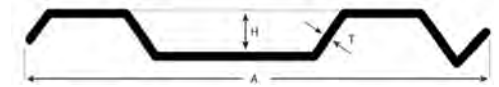
NHU 2.30m	NMU	0.50m ext	1.00m ext	2.00m ext	3.00m ext	6.00m ext	9.00m ext	Sheet to sheet (mm)		Clear opening (mm)	
813kg	774kg	162kg	325kg	524kg	723kg	1334kg	1950kg	min	max	min	max
1	1							4483	5471	3563	4551
1	1	1						4983	5971	4063	5051
1	1		1					5483	6471	4563	5551
1	1	1	1					5983	6971	5063	6051
1	1			1				6483	7471	5563	6551
1	1	1		1				6983	7971	6063	7051
1	1				1			7483	8471	6563	7551
1	1	1			1			7983	8491	7063	8051
1	1		1		1			8483	9471	7563	8551
1	1	1	1		1			8983	9971	8063	9051
1	1			1	1			9483	10471	8563	9551
1	1	1		1	1			9983	10971	9063	10051
1	1					1		10483	11471	9563	10551
1	1	1				1		10983	11971	10063	11051
1	1		1			1		11483	12471	15063	11551
1	1	1	1			1		11983	12971	11063	12051
1	1			1		1		12483	13471	11563	12551
1	1	1		1		1		12983	13971	12063	13051
1	1						1	13483	14471	12563	13551
1	1	1					1	13983	14971	13063	14051
1	1		1				1	14483	15471	13563	14551
1	1	1	1				1	14983	15971	14063	15051



TRENCH SHEETS

STANDARD TRENCH SHEETS

Effective Width (mm)	Depth of Pan (mm)	Thickness (mm)	Kg/m	Kg m2	Section Modulus Cm3	Bending Moment Kn/M
330	34.5	3.5	11.21	33.96	43.98	9.3



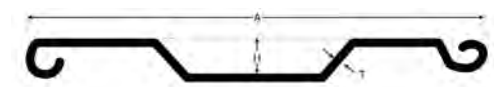
KD6/8 TRENCH SHEETS

Type	Effective Width (mm)	Depth of Pan (mm)	Thickness (mm)	Kg/m	Kg m2	Section Modulus Cm3	Bending Moment Kn/M
KD6	600	78	6	37.5	64.2	185	37.7
KD8	600	80	8	50	83.3	242	49.3



L8 INTERLOCKING SHEETS (SALE ONLY)

Effective Width (mm)	Depth of Pan (mm)	Thickness (mm)	Kg/m	Kg m2	Section Modulus Cm3	Bending Moment Kn/M
432	37.5	3.5	14.45	33.29	52.35	9.2



MX 500 INTERLOCKING SHEETS

Effective Width (mm)	Depth of Pan (mm)	Thickness (mm)	Kg/m	Kg m2	Section Modulus Cm3	Bending Moment Kn/M
500	75	6	33.53	67.88	186	37.9



SHEET PILING

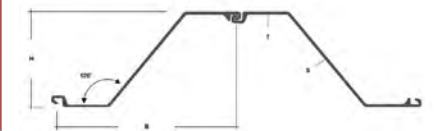
U SECTIONS (LARSEN INTERLOCK)

Section	Width B (mm)	Height H (mm)	Back Thickness T (mm)	Web Thickness S (mm)	Mass		Moment of inertia Ly Cm4/m	Section Modulus Wy1 Cm3/m
					Kg/Lin mtr	Kg/m2 of wall		
VL601	600	310	7.5	6.4	46.3	77.2	11530	744
VL601K	600	310	7.8	7	48.5	80.8	12019	775
VL602	600	310	8.4	7.6	53.4	89	13046	842
VL603	600	320	9.6	8.2	64.2	107	19199	1200
VL604	600	390	10	9	73.1	121.8	31548	1618
VL605A	600	420	10.7	9	76.5	127.5	38243	1821
VL605	600	423	12	9.5	82.1	136.9	42664	2019
VL606A	600	430	13.4	9	85.4	142.3	47402	2205
VL623	600	432	14.4	9.4	89.8	149.6	50878	2355
VL606	600	434	15.4	9.8	94.1	156.8	54389	2506
VL626	600	452.1	14.8	9.5	95.2	158.6	58938	2607
VL627	600	453.3	15.4	9.8	97.9	163.1	61219	2701
VL628	600	455.1	16.3	10.1	101.8	169.6	64640	2841
VL607A	600	455.9	17.7	10	106.2	177.1	68232	3006
VL607	600	457	19	10.6	112.4	187.3	73300	3211
VL607K	600	459	20	11	116.8	194.7	77153	3365



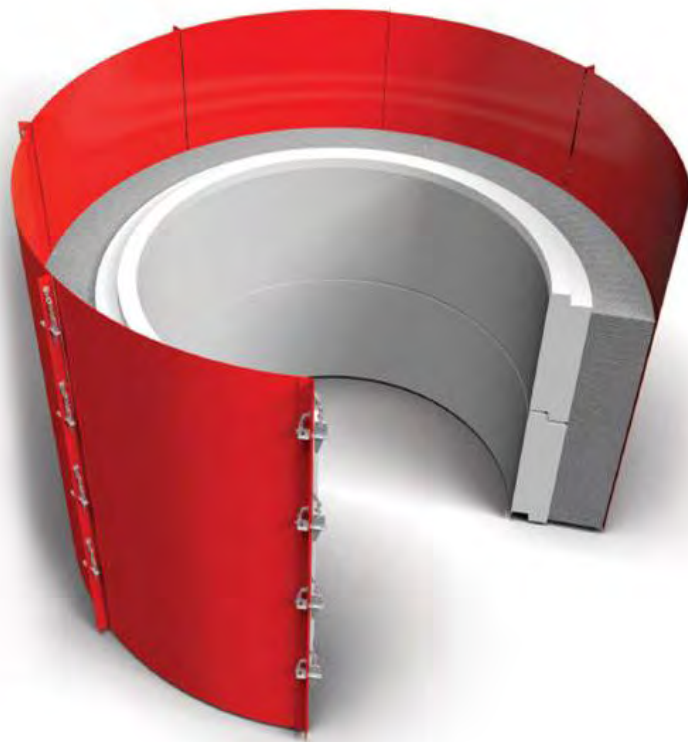
Z SECTION

Section	Width B (mm)	Height H (mm)	Back Thickness T (mm)	Web Thickness S (mm)	Mass		Moment of inertia Ly Cm4/m	Section Modulus Wy1 Cm3/m
					Kg/Lin mtr	Kg/m2 of wall		
EZ17	700	420	8.5	8.5	74	105.7	36360	1735
EZ18	700	420	9	9	77.4	110.6	37890	1805
EZ19	700	421	9.5	9.5	80.8	115.4	39420	1875
EZ19 10/10	700	421	10	10	84.2	120.3	40940	1945
EZ20	700	422	10.5	10.5	87.5	125	42380	2010
EZ24	700	459	12	9	89.5	127.9	55870	2435
EZ25	700	460	12.5	9.5	93.1	133	57840	2520
EZ26	700	460	13	10	96.7	138.1	59810	2600
EZ28	700	461	14	11	103.9	148.4	63750	2765
EZ36	700	509	14	11.5	116.2	166.1	91130	3580
EZ38	700	510	15	12.5	124.2	177.4	96860	3800
ZZ12	770	343.5	8.6	8.5	72.8	94.5	21496	1252
ZZ14	770	344.5	9.6	9.5	79.6	103.4	23370	1357
ZZ42	700	499.2	18.1	14	143	204.3	105543	4228
ZZ44	700	500.2	19.1	15	150.7	215.3	110942	4436
ZZ46	700	501.2	20.1	16	158.5	226.4	116159	4635
ZZ48	700	503.2	22.1	15	159.3	227.6	120467	4788



MANHOLE SHUTTERS

Diameter of Manhole Rings	Number of Sections Needed to Form Shutter		
Diameter (mm)	A (60kg)	B (35kg)	C (25kg)
675	2	1	*
900	2	2	1
1050	3	*	1
1200	3	1	1
1350	3	2	1
1500	4	*	1
1800	4	2	1
2100	5	1	1
2400	6	*	1
2700	6	2	1



ANCILLARY ITEMS



**2 LEG (70KG) &
4 LEG CHAINS (50KG)**



**HANGING/INTERLINK
CHAINS 2M (5KG) 2T SWL**



**SNATCH CHAIN
(27.5KG)**



**EXTRACTION CLAMP
(13KG) 5T SWL**



**DAVIT ARM
(85KG)**

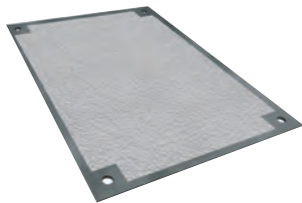


**PITCHING CLAMP
(19KG) 2T SWL**



TRENCH STRUTS

Size	Length (m)	Weight
0	0.32 - 0.47	4kg
1	0.49 - 0.73	5.8kg
2	0.69 - 1.09	7.7kg
3	1.03 - 1.73	11kg



**ROAD PLATES
8X4X3/4" (420KG)**



**LADDERS
3M (10KG), 4M (18KG), 5M (23KG),
6M (28KG), 7M (32KG)**

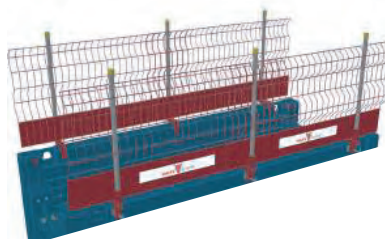


**LADDER ACCESS
(100KG)**



**DRIVING CAPS
AVAILABLE FOR ALL
TRENCH SHEETS
UNIVERSAL - 10KG
MX500 - 15KG
KD6 - 20KG**

EDGE PROTECTION AND LADDER ACCESS



Product	Length (mm)	Height (mm)	Weight (kg)
1.80m Panel	1800	1160	10
2.20m Panel	2200	1160	14
2.70m Panel	2700	1160	18
Corner Panel	1550	1160	12
Post	-	1220	5
Box Clamp	-	-	6
Ladder Platform	1120	1090	100



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