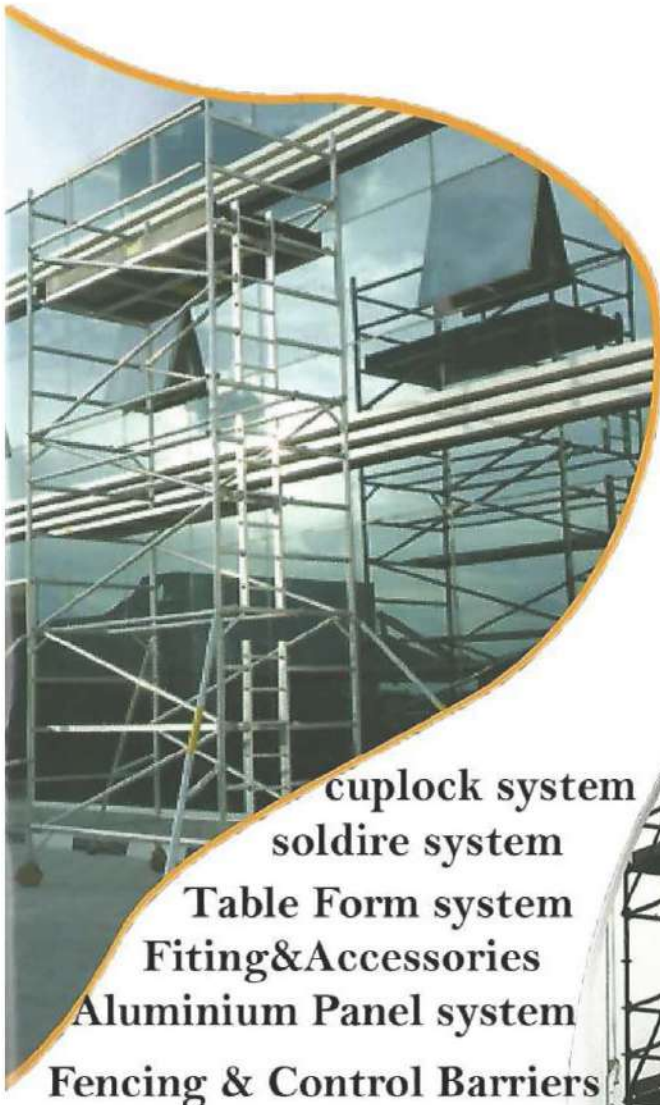


ADS AL BUNIYAN

*Specialized of Scaffolding
and Formwork*



cuplock system
soldire system

Table Form system

Fiting&Accessories

Aluminium Panel system

Fencing & Control Barriers





AL BUNIYAN Scaffolding Trading LLC has grown in size ,2010 Despite being established in late and stature thanks to our commitment to excellence. This commitment and our dedicated marketing team are the cornerstones of our company's progress. We strive to provide high-quality products designed to meet British standards unless otherwise stated.

AL BUNIYAN has made significant strides in the structural formwork market. Our sales team comprises highly motivated professionals with years of experience in the scaffolding industry, dedicated to meeting the specific needs of our construction clients. We focus primarily on assisting clients in managing their formwork and scaffolding operations, providing them with the most efficient system at lower costs and with greater productivity, all within their budget. The company offers its products to clients on both sales and rental basis. Regular supervision is conducted during pre- and post-scaffolding, assembly, and every scaffolding board installed receives a satisfactory certificate.

As one of the largest scaffolding companies, **AL BUNIYAN** is fully committed to providing high-quality products and services at competitive prices to its clients. The company has gained the trust square-foot warehouse offering rental and consulting-40,000 of the UAE market. It also owns a large services for formwork, bracing, and scaffolding equipment for access and load-bearing applications

Provide / Services



Workshop Layout

We are ready to work all the Scaffolding layouts for any construction project buildings, bridges, commercial centers, institutions, Villas by using several types of systems and Scaffolding System (System scaffolding).



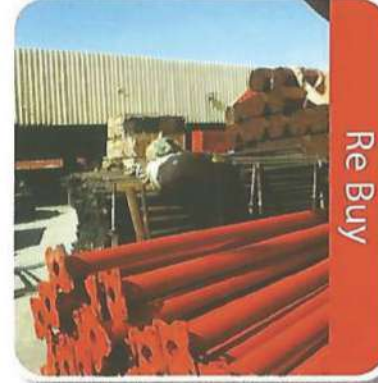
Service / Provider

- On-time delivery of high quality products
- Full installation and removal services
- On-site team available
- Janitorial services
- Safe and efficient removal



Rent

We provide scaffolding, aluminium mobile towers for daily, weekly or monthly rental basis. And also we undertake complete scaffolding contract jobs. supply, erection, dismantling, inspection services in scaffolding. we have the stock for all types of scaffolding accessories, safety products, scaffolders tools for sale.



Re-Buy

We are Well Tech offering Re-Buy contract of Scaffolding system or material on the 40% of our selling price for our loyal Customers.



Technical Support

Our team will visit all our projects and will give all the inspection information, material Drawing and Provide Safety Certificate accordingly.



Used

In view of loyal customers requirement used material division has opened. We provide all types of used Steel Scaffolding, Aluminium Mobile Tower, Wooden Blank and Accessories for several types of scaffolding systems.

Cuplock Systems

Cup Lock system is one of the most efficient supporting systems. The system provides simplicity, versatility and economical. It has a unique node point connection which enables the system to be erected at a faster rate than other scaffolding system, and is also faster wasted in lining-up the vertical and horizontal.

****SPECIAL SIZE ON REQUEST.**

CUPLOCK STANDARD (VERTICAL)

Basic features of Cuplock Standards are: Welded Bottom Cups are pressed from high quality steel and captive mobile Top Cups made out of malleable provide firm grip to ledger blades making the connection rigid and to endure rough site handling. Access standards are provided with integral 150 mm. Long spigots for making easy vertical connections.

CUPLOCK LEDGER (HORIZONTAL)

Basic features of Cuplock Ledgers are: Minimum projection of blades avoids damages in handling and uniform dimension makes the cup joint rigid.

Standard

CODE	SIZE (m)	WEIGHT (kg)
WTS 1	3.0	15.38
WTS 2	2.8	14.67
WTS 3	2.7	13.52
WTS 4	2.5	12.82
WTS 5	2.3	12.11
WTS 6	2.0	10.26
WTS 7	1.8	9.55
WTS 8	1.5	7.70
WTS 9	1.3	6.98
WTS 10	1.0	5.13
WTS 11	0.8	3.85
WTS 12	0.7	3.29
WTS 13	0.5	2.57
WTS 14	0.3	1.86

Ledger

CODE	SIZE (m)	WEIGHT (kg)
WTS 1	2.5	8.44
WTS 2	1.8	6.15
WTS 3	1.6	5.52
WTS 4	1.3	4.55
WTS 5	1.2	4.22
WTS 6	1.0	3.57
WTS 7	0.9	3.25
WTS 8	0.6	2.28



3. Tighten with a hammer

Decking System

This decking system is ideally suited for construction of reinforced concrete suspended slab plywood shuttering, and incorporates the benefits of early striking. Large grid sizes of up to 2.5 ensures speedy erection and different sizes of primary and secondary beams can give a range of support modules. Nothing of plywood on the drop heads were eliminated, and standard plywood can be used.

DROP HEADS

The quick action drophead complete supply with nuts and bolts that design to fit the standard pin adaptors for cuplocks scaffolding. The drop heads allow the beams, infill's and panel to be low hammer stroke. The wedge is specially constructed to endure the repeated strokes of the hammer

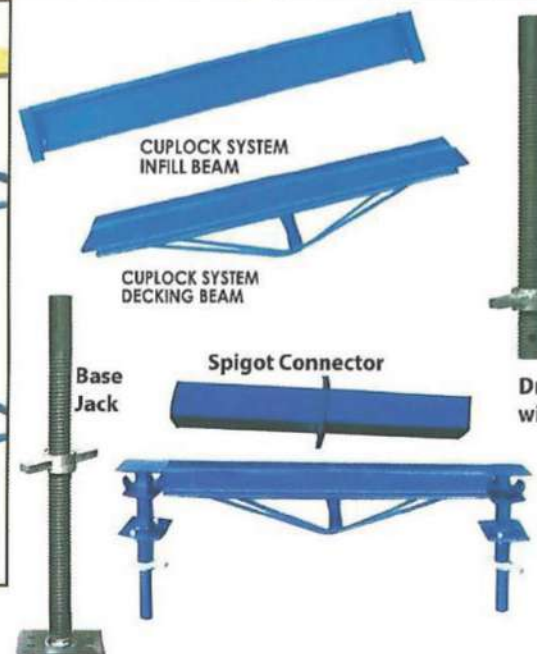
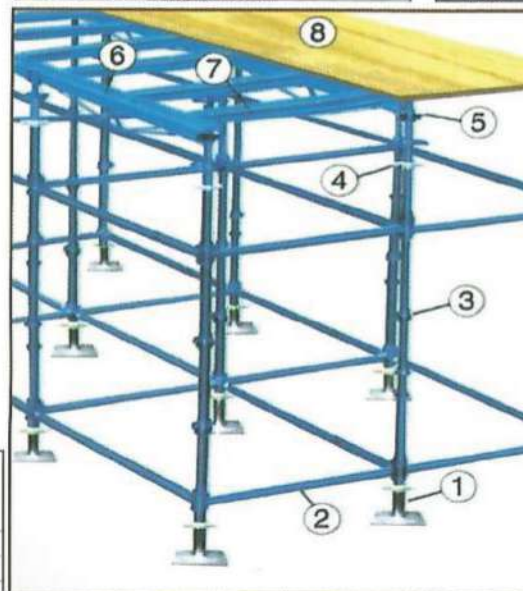
Item Description	
1 Base Jack	
2 Ledger	
3 Standard	
4 Universal Jack	
5 Drop Head & Socket Adapter	
6 Decking Beam	
7 Infillbeam	
8 18 mm plywood	

Infill Beam

CODE	SIZE (m)	WEIGHT (kg)
WTI 1	1.7	8.63
WTI 2	1.5	7.71
WTI 3	1.2	6.33
WTI 4	1.1	5.87
WTI 5	0.9	4.96
WTI 6	0.8	4.50
WTI 7	0.5	3.12

Decking Beam

CODE	SIZE (m)	WEIGHT (kg)
WTD 1	2.5	2.1
WTD 2	1.8	1.8
WTD 3	1.6	1.6



Inform about the possibility for specilaize in Coating or Galvanizing with Guarantee

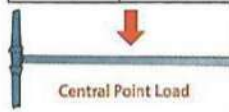
Items are available in many RAL-color

Technical Data

Ledgers

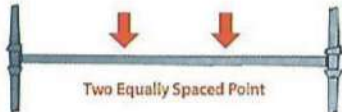
Central Point Load

Ledger Size (m)	Central Point Load (kg)
2.5	1.71
1.8	3.40
1.6	3.52
1.2	3.70
0.9	4.80



Two Equally Spaced Point

Ledger Size (m)	Two Equally Spaced Point (kg)
2.5	1.29 (Each)



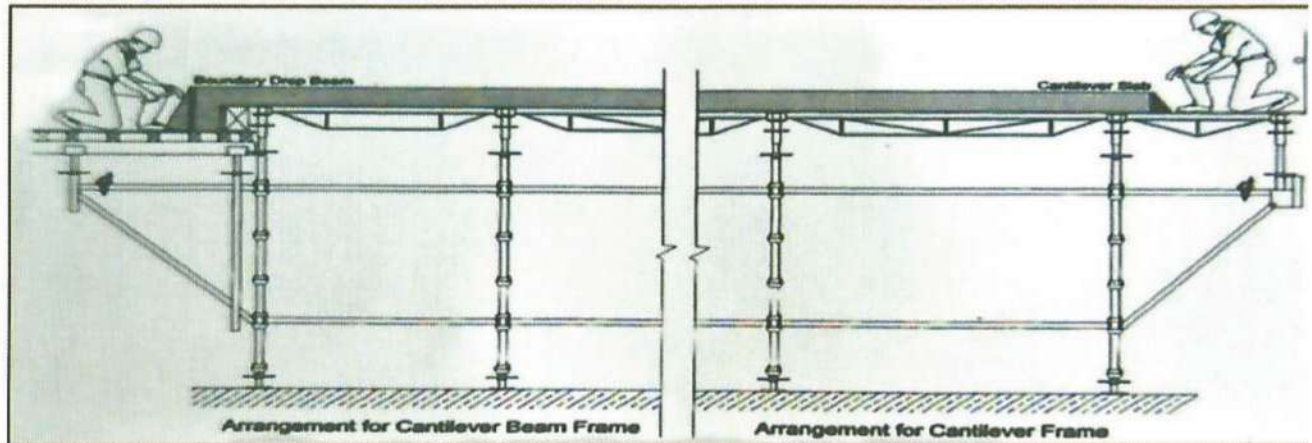
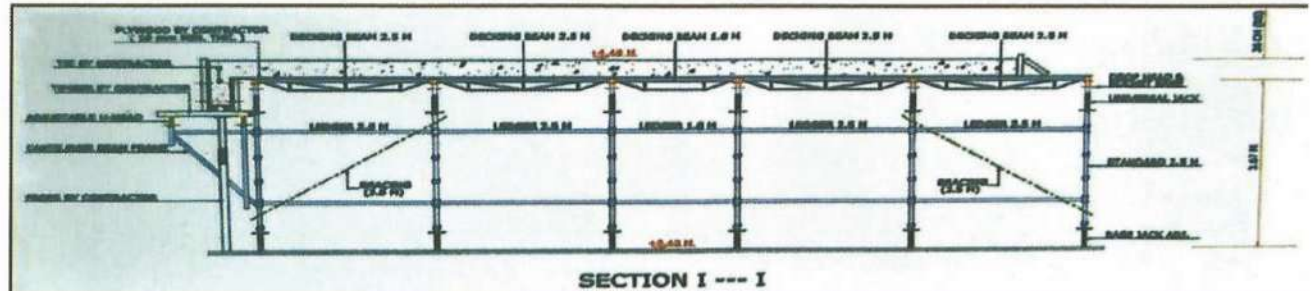
Uniformly Distributed Load

Ledger Size (m)	U.D.L. (kg/m)
2.5	1.29 (Each)



Cuplock Grade Load

Decking Beam Size	Ledger Size	Aera	Max. Slab Thickness (cm)
2.5	1.80	4.50	27.50
2.5	1.60	4.00	34.40
2.5	1.30	3.25	40.00
1.8	1.80	3.24	41.20
1.8	1.60	2.88	41.20
2.5	1.10	2.75	54.70
2.5	1.00	2.50	59.40
1.8	1.30	2.34	62.70
2.5	0.90	2.25	70.00
1.8	1.20	2.16	78.90
1.2	1.80	2.00	82.60
2.5	0.80	1.98	82.60
1.8	1.10	1.92	90.00
1.2	1.60	1.80	91.00
1.8	1.00	1.80	94.20
1.8	0.90	1.62	94.20
1.2	1.30	1.55	101.10
2.5	0.60	1.50	103.10
1.8	0.80	1.44	103.10
1.2	1.20	1.44	113.40
1.2	1.10	1.32	118.20
1.2	1.00	1.20	123.30
1.8	0.60	1.08	128.90
1.2	0.90	1.08	128.90
1.2	0.80	0.95	141.50
1.2	0.60	0.72	156.70
			175.20
			175.80
			198.30
			214.20
			267.80



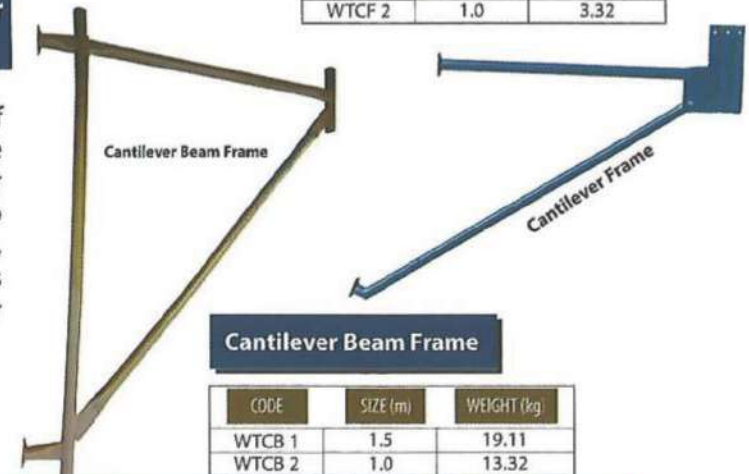
Cantilever Elements

Cantilever Frame (CF) & Cantilever Beam Frame (CBF)

To provide extra support of the edge of construction, especially slab edge from the work, the cantilever frame (CF) & cantilever beam frame (CBF) can be attached directly to the vertical at the node points. In this frames, universal jack can be fitted to hold the various supports, Forkhead and Dropheads at a 1.2m or 1.25m span

Cantilever Frame

CODE	SIZE (m)	WEIGHT (kg)
WTCF 1	1.5	16.60
WTCF 2	1.0	3.32



Cantilever Beam Frame

CODE	SIZE (m)	WEIGHT (kg)
WTCB 1	1.5	19.11
WTCB 2	1.0	13.32

Kwickstage System



BOXWEDGE SYSTEM

BoxWedge system provides more rigid joints compared to the Kwickstage System and with very fast, efficient and versatile methods of constructing scaffolding structures. The system is ideal for outside access systems for example, building maintenance, masonry works, painters and electrical works. The transom of this system provides excellent edges to support the wood or steel platforms. The system is supplied with heavy duty steel planks for various purposes.

Standard

WedgeLock have other open or spigot ends which are made from scaffolding tubes which have "V" pressing welded at normal 500mm centers to provide four-way connections for the horizontal.

Ledger & Transom

These are horizontal members which are connected to the "V" pressing on standards with a quick acting positive wedge fitting.



ADJUSTABLE BASE JACK
Has a closed dimension of 540mm and when fully open 735mm. It may be used at either the bottom of a standard or, inserted in the top of an open-ended standard.

GALVANIZED	PAINTED	WEIGHT (KG)
15.75	20.00	2.0
15.75	20.00	2.0
15.75	20.00	2.0

LOAD DATA
55MM SAFE WITH 16 CENTERS 1.5M.
60MM SAFE WITH 16 CENTERS 2.0M.

EXCEL STANDARDS
Have either open or spigot ends. They are made from scaffold tube and have "V" pressing welded at 405mm centers to provide four-way connection for the Shoring Tie.

GALVANIZED	PAINTED	WEIGHT (KG)	LENGTH (M)	DESCRIPTION
15.75	20.00	2.0	3.0	STANDARD
15.75	20.00	2.0	3.0	STANDARD
15.75	20.00	2.0	3.0	STANDARD

LEDGERS/GUARDRAILS
A galvanized wedge fitting is welded to each end of the tubular ledgers. They are used to tie the vertical standards longitudinally, and are positioned on the inside of the scaffold at platform level and on the outside as a guardrail.

GALVANIZED	PAINTED	THE CENTER OF STD (M)	WEIGHT (KG)
15.75	20.00	3.0	2.0
15.75	20.00	3.0	2.0
15.75	20.00	3.0	2.0

DIAGONAL BRACE
The Diagonal Brace has pre-drilled circular wedge fittings welded to each end, which locate in the "V" pressings on the standards.

GALVANIZED	PAINTED	THE CENTER OF STD (M)	WEIGHT (KG)
15.75	20.00	3.0	2.0
15.75	20.00	3.0	2.0
15.75	20.00	3.0	2.0

TIE BAR
The Tie Bar is made of rolled steel angle and has a dovetail at both ends which connects the Two and Three Board Stage Brackets together.

GALVANIZED	PAINTED	THE CENTER OF STD (M)	WEIGHT (KG)
15.75	20.00	3.0	2.0
15.75	20.00	3.0	2.0
15.75	20.00	3.0	2.0

STAGE BRACKET
The Stage Bracket enables an additional platform to be provided on the inside of the scaffold nearest the building. The tie bars must be used to connect the brackets together.

GALVANIZED	PAINTED	WEIGHT (KG)
15.75	20.00	2.0
15.75	20.00	2.0
15.75	20.00	2.0

TOE BOARD BRACKET
The Toe Board Bracket clamps on to the Excel Standard with a captive wedge fitting to keep the toe board in position.

GALVANIZED	PAINTED	LENGTH (M)	WEIGHT (KG)
15.75	20.00	0.4	0.7
15.75	20.00	0.4	0.7
15.75	20.00	0.4	0.7

ADJUSTABLE BASE & HEAD JACK
The Adjustable Base and Head Jack is designed to provide a means of leveling the scaffold on uneven ground. Coarse adjustment is made with the captive pin and holes and fine adjustment is obtained by the collar and zero placed or painted thread.

GALVANIZED	PAINTED	LENGTH (M)	GALVANIZED	PAINTED	MAX ADJUSTMENT (mm)	WEIGHT (KG)
15.75	20.00	0.4	15.75	20.00	5.0	4.7
15.75	20.00	0.4	15.75	20.00	5.0	4.7
15.75	20.00	0.4	15.75	20.00	5.0	4.7

SHORING TIE
Are horizontal members which connect to the "V" pressing standards with a quick-acting positive wedge fitting. The top end provides a secure made point location for SHORING TIE BRACKETS.

GALVANIZED	PAINTED	WEIGHT (KG)	PA CENTRES (M)	SH (M)
15.75	20.00	2.0	3.0	3.0
15.75	20.00	2.0	3.0	3.0
15.75	20.00	2.0	3.0	3.0

TRIGGER BRACES
Are diagonal members which connect to the SHORING TIE. They are designed to spread up and out provide a positive tension the nodes to ensure full bracing in all directions. The pins at each end are inserted in the holes in the end of the SHORING TIE and locked in position by a spring loaded trigger device.

GALVANIZED	PAINTED	WEIGHT (KG)	PA CENTRES (M)	SH (M)
15.75	20.00	2.0	3.0	3.0
15.75	20.00	2.0	3.0	3.0
15.75	20.00	2.0	3.0	3.0

THE SHORING JACK BR
An adjustable "TRIGGER BR" for use with interlocked Base and Head Jacks (and Clamping). The brace will be fixed before final leveling. After final jack adjustment, the brace is held by the spring loaded trigger device.

GALVANIZED	PAINTED	WEIGHT (KG)	PA CENTRES (M)	SH (M)
15.75	20.00	2.0	3.0	3.0
15.75	20.00	2.0	3.0	3.0
15.75	20.00	2.0	3.0	3.0

Aluminium WT Panel System



A - Walls Components (40kN/m²)

1 - Alu WT Panels:

Light weight aluminium panels with an excellent stiffness to weight ratio that can fit to any structure, thanks to the various sizes of panels ranging from 100mm wide up to 600mm.

Panels are easily assembled together using the pin & wedge that eliminates the factor of hiring skilled labours to erect the formwork making it a perfect handheld system.



**Re-Buy Acceptable
on 40% Sale Price**

2 - Walers:

Panel Waler

Panel Waler is used when a crane is not available along with the light weight aluminium panels will act as a perfect handheld system.

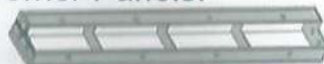
Strong Back Waler P

Strong back waler P is used when a crane is available, lifting around 20m² in one movement saving time of dismantling and re-assembling the panels.

Also used with Future climbing system. The unique design of the panels allows connection to the strong back waler using the Future A-Clamp to shift large areas in one lift using crane.



3 - Corner Panels:



B - Slab Components (Slab Up To 300mm)

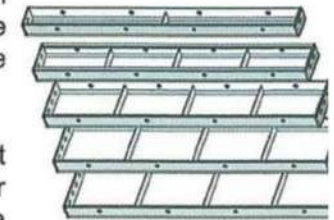
1 - Alu WT Panels:

Same panels 1.20m used in the walls to be used when forming into a that gives an excellent advantage in transforming the wall formwork in slab formwork just by adding few components.

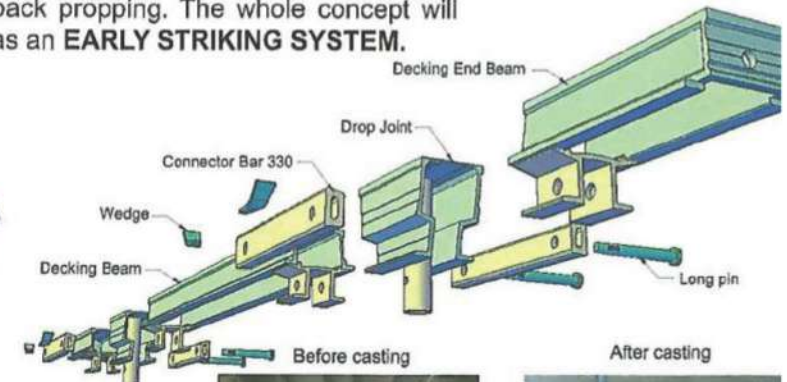
Panels are easily assembled together using the pin & wedge that eliminates the factor of hiring skilled labours to erect the formwork.

2 - Decking Beam & Drop Joint:

After arranging the decking beam @1.30m as shown, in the figure below, its unique design allows placing the panels without the use of any bolts or pins.



The drop joint supported on props to be kept in place during dismantling, while all other parts to be removed after 3 or 4 days to be used in the next cast, while the props work for back propping. The whole concept will act as an **EARLY STRIKING SYSTEM**.



Aluminium WT Panel System



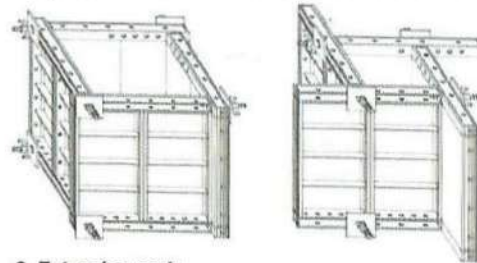
3 - Wall to Slab Panels:



C - Columns Components (80kN/m²)

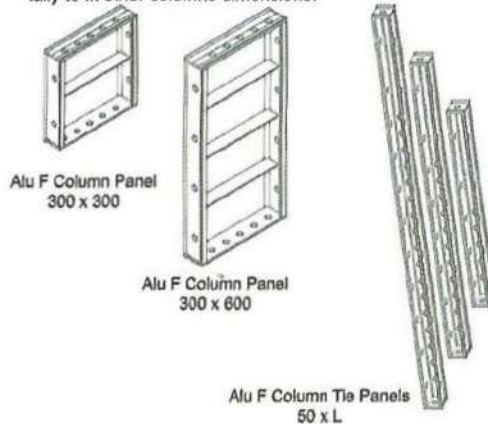
1- Alu F Column Panels:

The adjustable Alu F column panels with increment every 50mm guarantees the erection of any column size with ease and simplicity. Panels are delivered according to the required height and dimensions ready for immediate use that saves time and labour costs



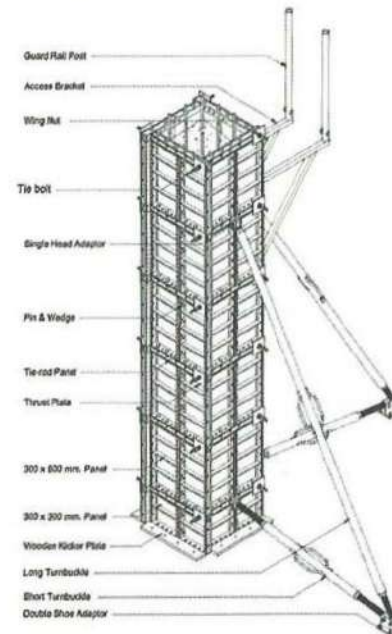
2- Extension parts

Columns of any size can be adjusted by adding or subtracting standard panels vertically or horizontally to fit other columns dimensions.



3- Tie Bolt:

The Tie bolt is used along with a wing nut and thrust plate to connect the panels at the corner forming a perfect 90 degrees angle. Columns with dimensions up to 500x500mm can depend on the tie bolt without the need of intermediate tie rods.



Item Name and Diagram	Weight (Kg)	Article No.
Alu F Panel 1.20 x 0.10	3.89 kg	0712100
Alu F Panel 1.20 x 0.15	4.85 kg	0712150
Alu F Panel 1.20 x 0.20	5.31 kg	0712200
Alu F Panel 1.20 x 0.25	6.36 kg	0712250
Alu F Panel 1.20 x 0.30	7.61 kg	0712300
Alu F Panel 1.80 x 0.10	5.77 kg	0718100
Alu F Panel 1.80 x 0.15	6.80 kg	0718150
Alu F Panel 1.80 x 0.20	7.81 kg	0718200
Alu F Panel 1.80 x 0.25	9.38 kg	0718250
Alu F Panel 1.80 x 0.30	11.18 kg	0718300
Alu F Panel 1.20 x 0.35	10.17 kg	0712350
Alu F Panel 1.20 x 0.40	11.42 kg	0712400
Alu F Panel 1.20 x 0.45	12.26 kg	0712450
Alu F Panel 1.20 x 0.50	12.92 kg	0712500
Alu F Panel 1.20 x 0.55	13.87 kg	0712550
Alu F Panel 1.20 x 0.60	15.22 kg	0712600
Alu F Panel 1.80 x 0.35	16.94 kg	0718350
Alu F Panel 1.80 x 0.40	18.86 kg	0718400
Alu F Panel 1.80 x 0.45	18.04 kg	0718450
Alu F Panel 1.80 x 0.50	18.99 kg	0718500
Alu F Panel 1.80 x 0.55	20.54 kg	0718550
Alu F Panel 1.80 x 0.60	22.36 kg	0718600
Alu FT Panel 3.00 x 0.10	8.39 kg	0730100
Alu FT Panel 3.60 x 0.10	11.23 kg	0730100
Alu FT Panel 4.20 x 0.10	13.08 kg	0742100

D - Stair Case (Custom made)

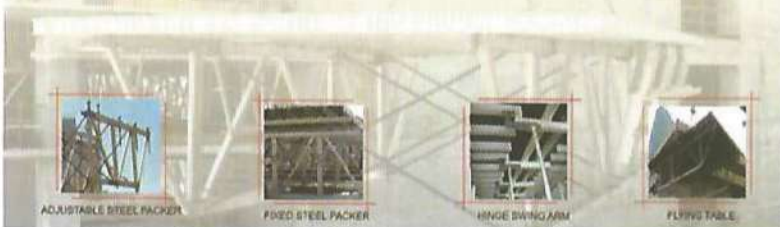
Custom made aluminum panels for stair cases is a very time and cost efficient specially in high rise buildings and large scale villas projects, where there is a fixed module of stair case to be repeated many times. It will produce high quality results because of its convenient construction method.



Item Name and Diagram	Weight (Kg)
Internal Corner Panels 1.20 x 0.10 x 0.15 1.80 x 0.10 x 0.15	6.09 kg 8.99 kg
External Corner Angle 1.20 External Corner Angle 1.80	2.54 kg 3.76 kg
Hinged Inside Corner 1.20 Hinged Inside Corner 1.80	4.98 kg 8.21 kg
Hinged Outside Corner 1.20 Hinged Outside Corner 1.80	7.20 kg 9.25 kg
Panel Water Strong Back Water P	7.90 kg/Lm 6.90 kg/Lm
Plywood Filler Profile	1.47 kg/Lm
Alu F C Panel 8.30 x 0.30 Alu F C Panel 8.30 x 0.60	3.00 kg 4.00 kg
Column Tie Panel 0.80 Column Tie Panel 0.90 Column Tie Panel 1.20	1.75 kg 2.60 kg 3.47 kg
Column Tie Bolt	0.70 kg

Item Name and Diagram	Weight (Kg)
Decking Beam	4.09 kg/Lm
Drop Joint	1.30 kg
Decking beam connector unit	0.44 kg
Connector Bar 330	0.78 kg
Long Pin 150	0.35 kg
Wall to slab corner panel	5.85 kg/Lm
Short Pin 55	0.29 kg
Bent Wedge	0.19 kg
Lifting Eye Bolt	0.48 kg
Single Head Adaptor P	2.40 kg

Table Form Aluminium System



Specifically designed to allow the rapid construction of multiple unit projects at optimum productivity. The degree of pre-engineering and inherent simplicity of the system enable unskilled local labor to be used.

Quickly assembled and easily moved from floor to floor by an average capacity crane.

Costly erection and Stripping procedures, prevalent with the use of conventional handset systems, are completely eliminated.

Large panels reduce the quantity of fillers, minimize decking joints and eliminated a large amount of material wastage from cutting, damage and loss. A future flying table can support a complete bay.

Non-uniform and odd shaped panels can be fabricated and flown around staggered columns or vertical shafts.

Hinged or sliding panels and even beam forms and drop heads, can be incorporated into flying table as required.

Future Truss system is supported and leveled by truss base jacks spaced at 2.40m centers. Base jack remain attached to the bottom cord and are hinged up out of the way during the flying operation.

Especially designed ball bearing glides enable the entire panel to be easily rolled out the building by only two men. High-Lifted landing dollies are available to make handling as simple as flying.

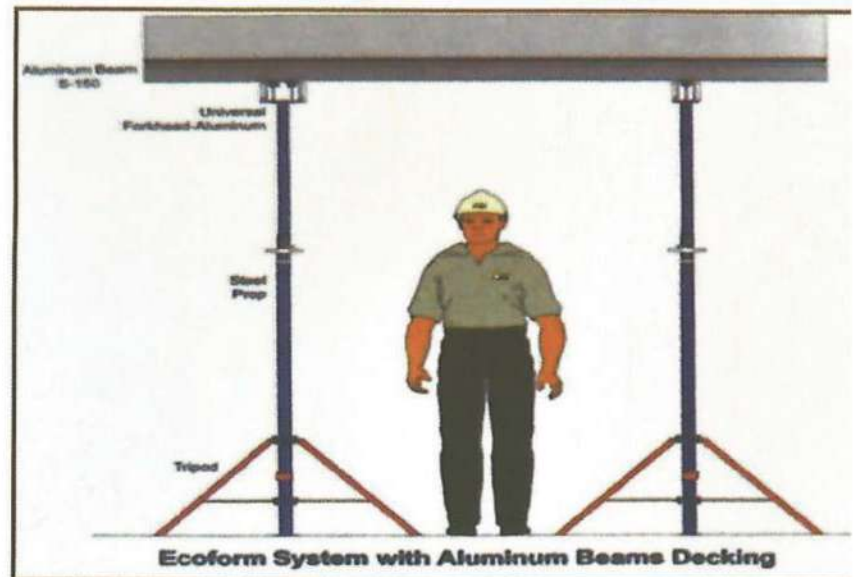
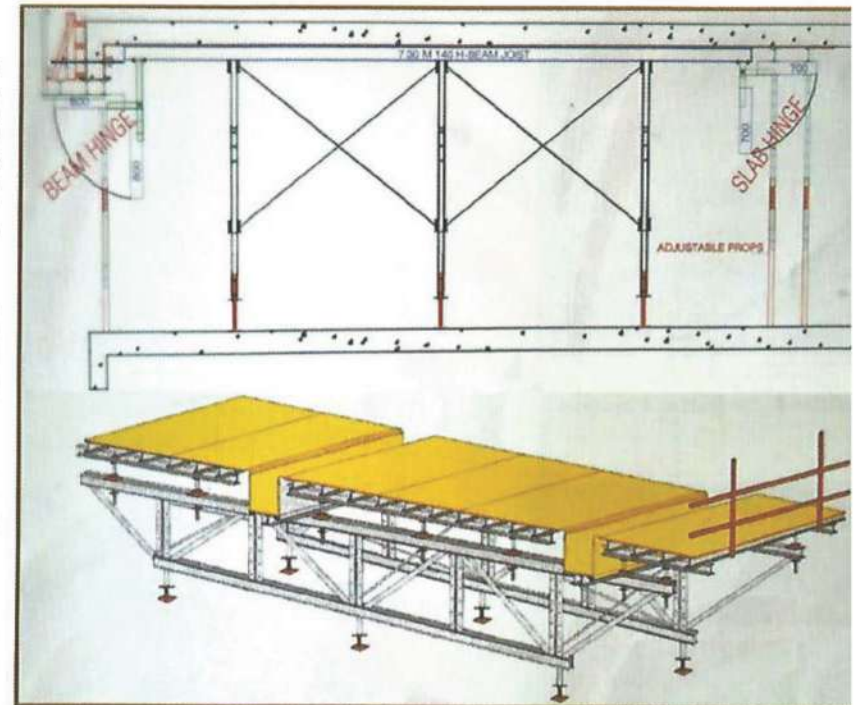


Table Form System

Aluminum Beam T-150



Alum. Beam T-150 100 cm w/Timber	5.85
Alum. Beam T-150 125 cm w/Timber	7.31
Alum. Beam T-150 150 cm w/Timber	8.78
Alum. Beam T-150 175 cm w/Timber	10.24
Alum. Beam T-150 200 cm w/Timber	11.70
Alum. Beam T-150 225 cm w/Timber	13.63
Alum. Beam T-150 275 cm w/Timber	16.08
Alum. Beam T-150 300 cm w/Timber	17.55
Alum. Beam T-150 325 cm w/Timber	19.01
Alum. Beam T-150 350 cm w/Timber	20.48
Alum. Beam T-150 375 cm w/Timber	21.94
Alum. Beam T-150 400 cm w/Timber	23.40
Alum. Beam T-150 425 cm w/Timber	24.86
Alum. Beam T-150 450 cm w/Timber	26.33
Alum. Beam T-150 475 cm w/Timber	27.87
Alum. Beam T-150 500 cm w/Timber	29.25
Alum. Beam T-150 525 cm w/Timber	30.71
Alum. Beam T-150 550 cm w/Timber	32.18
Alum. Beam T-150 575 cm w/Timber	33.63
Alum. Beam T-150 600 cm w/Timber	35.10

Aluminum Beam S-150



Alum. Beam S-150 100 cm w/Timber	3.90
Alum. Beam S-150 125 cm w/Timber	4.88
Alum. Beam S-150 150 cm w/Timber	5.85
Alum. Beam S-150 175 cm w/Timber	6.83
Alum. Beam S-150 200 cm w/Timber	7.80
Alum. Beam S-150 225 cm w/Timber	8.78
Alum. Beam S-150 250 cm w/Timber	9.75
Alum. Beam S-150 275 cm w/Timber	10.73
Alum. Beam S-150 300 cm w/Timber	11.70
Alum. Beam S-150 325 cm w/Timber	12.68
Alum. Beam S-150 350 cm w/Timber	13.65
Alum. Beam S-150 375 cm w/Timber	14.63
Alum. Beam S-150 400 cm w/Timber	15.60
Alum. Beam S-150 425 cm w/Timber	16.58
Alum. Beam S-150 450 cm w/Timber	17.55
Alum. Beam S-150 475 cm w/Timber	18.53
Alum. Beam S-150 500 cm w/Timber	19.50
Alum. Beam S-150 525 cm w/Timber	20.48
Alum. Beam S-150 550 cm w/Timber	21.45
Alum. Beam S-150 575 cm w/Timber	22.43
Alum. Beam S-150 600 cm w/Timber	23.40

Super Heavy Duty Prop [kg]

Super Heavy Duty Prop 3.0m Height 1.8 – 3.0m	20.00
Super Heavy Duty Prop 3.5m Height 2.3 – 3.5m	21.10
Super Heavy Duty Prop 4.0m Height 2.3 – 4.0m	24.80
Super Heavy Duty Prop 3.0m Height 1.8 – 3.0m	20.00
Super Heavy Duty Prop 3.5m Height 2.3 – 3.5m	21.10
Super Heavy Duty Prop 4.0m Height 2.3 – 4.0m	24.80

Single Prop

Single Prop (H.D.) Height: 1.5- 2.5 m	2.5 m 12.36 [kg] 12.36
Single Prop (H.D.) Height: 1.5- 2.5 m	3.0 m 14.62 [kg] 14.62
Single Prop (H.D.) Height: 2.0- 3.5 m	3.5 m 6.35 [kg] 16.35
Single Prop (H.D.) Height: 2.5- 4.0 m	4.0 m 18.09 [kg] 18.09

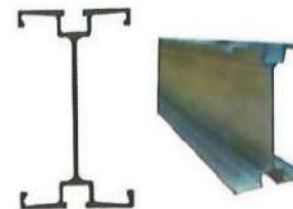
Horizontal Formwork H-BEAM TYPES



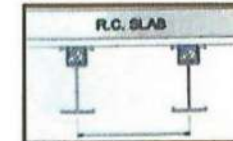
**140 – H BEAM w/ WOOD
(For Joist)**



140-H Beam (Alloy T-6-6061)
X-Sectional Are (As) = 1233mm²
Yield Strength (Fy) = 241 Mpa
Bending Moment (Allowable) = 4.03 KN-m (S.F.=2.0)
Shear Strength (Allowable) = 59.45 KN (S.F.=2.0)



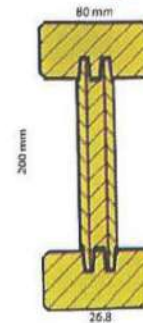
**140 – H BEAM
(For Joist & Ledger)**



Plywood Permissible Spans

Soffit: Permissible Spans for Plywood, Douglas Fir 19mm (COF1)						
Slab Thickness (mm)	150	200	250	300	350	400
Spacing of Supports (mm)	650	600	550	500	450	400

Note: Plywood has been considered continuous over Four or more spans



Dimensions and Tolerances

Dimensions	H20 ¹	Tolerance ²
Beam Height (mm)	2.0	0.99
Chord Height (mm)	1.0	0.99
Chord Width (mm)	2.0	0.99
Web Thickness (mm)	1.0	0.99

1) These values apply at a wood moisture content of 12%
2) Pursuant Approval Notice 2-9, 1-146

Technical Specifications

	H20 ¹
Permissible Modulus M (KNM)	5.0
Permissible Shearing Force Q (KN)	11.0
Section Modulus ¹ Wx Jx (cm ³)	461
Geometrical moment of inertia ¹ Jx Jy (cm ⁴)	4613

H-20 Timber



	[kg]
H-20 Timber Beam 125 cm	6.30
H-20 Timber Beam 180 cm	9.00
H-20 Timber Beam 245 cm	12.30
H-20 Timber Beam 245 cm	13.30
H-20 Timber Beam 296 cm	14.50
H-20 Timber Beam 320 cm	16.50
H-20 Timber Beam 360 cm	18.00
H-20 Timber Beam 390 cm	19.50
H-20 Timber Beam 450 cm	22.50
H-20 Timber Beam 490 cm	24.50
H-20 Timber Beam 590 cm	20.50

Tripod



Universal Forkhead-H:

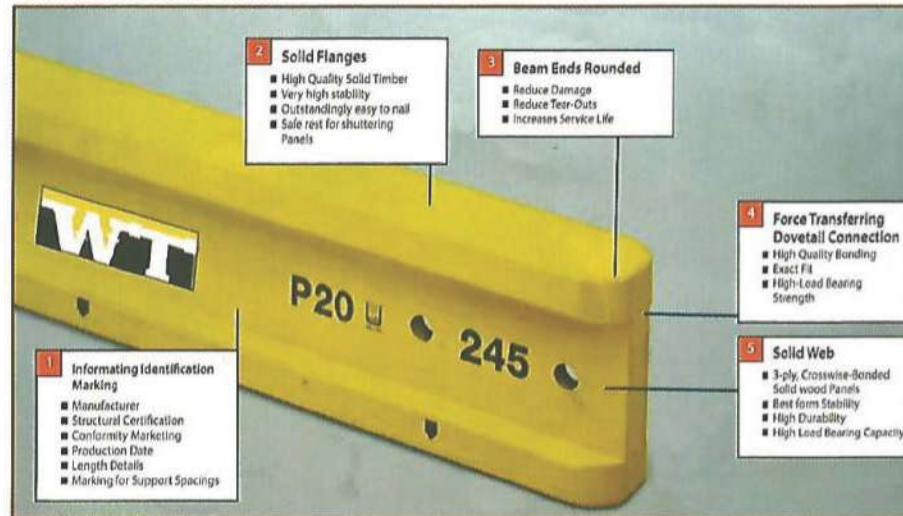


Supporting Forkhead

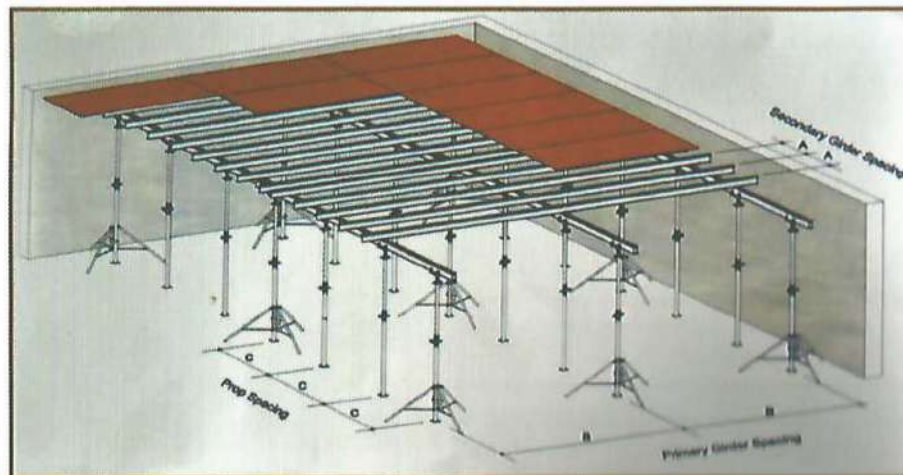


Table Form Woods System

WELL TECH formwork beams- proven in practice for efficient formwork construction.

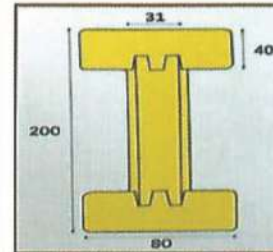


The H-20, H-150 and T- 150 Aluminum Girders can be used as secondary and primary girders. Although, it is possible to use only one type of these Girders as a secondary and primary at the same time, i.e. same parts can be used in both directions. The ability of overlapping Aluminum Girders results in flexibility nature of the system to adapt for various different room sizes. Overlapping in any directions is possible in either direction. The Fork head at the joint of the main Girders prevents the Aluminum Girders from tilting.



FORMWORK TABLES FOR SLABS

Are A Time Saving System Optimizing Labor Costs At The Construction Of Large-scaled Entities With A Simple Design



Summary of product range

Flange: 40mm x 80mm
Web: 31mm thick
Beam height: 200mm

Lengths (cm):

245, 265, 290, 330, 360, 450, 490, 590
Special lengths upon request



Formwork tables for slabs are intended for incasing of:

- Slabs with large areas (shopping centers, industrial projects);
- High-rise buildings and constructions perimeter as a safe formwork system element.

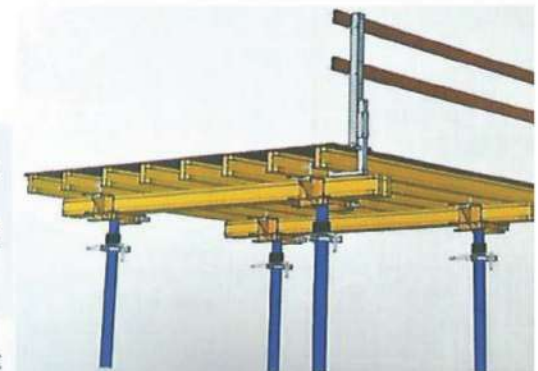
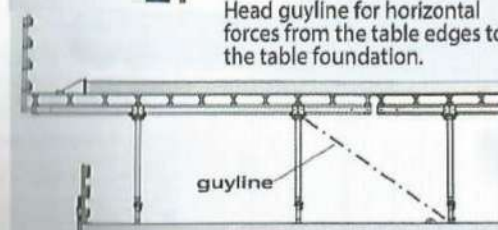
Advantages of the formwork tables for slabs as compared with traditional beam-and support slab system:

- Rapidly moving finished enlarge blocks;
- Minimum required number of supports;
- Single captive elements of tables;
- Labor costs are reduced when incasing and stripping;
- Increased safety.

Wedge-shaped device built into table head makes stripping easier.



Head guyline for horizontal forces from the table edges to the table foundation.



Single and Double Shutter Woods System

The "Well Tech" Large -area Formwork

MEETS ECONOMIC SPECIFIC AND NONSTANDARD CHALLENGES ON CONSTRUCTION SITES

The "WELL TECH" large -area formwork is a complex system complying with the specific demands of the construction entities. It has a wide application area from wall large area incasing including making of facing concrete surface, use for incasing standard construction buildings as an economically sounded variant as well as use in bridge engineering and adjustment to different monolithic construction forms. Individual planning and selection of formwork elements for the specific entity allows incasing almost all monolithic constructions for the required concrete pressure.

The WELL TECH large-area formwork system is suitable to incase:

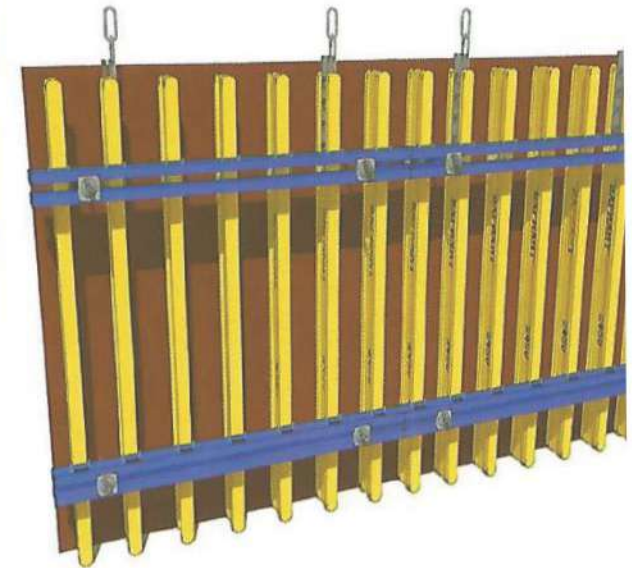
- Large areas of walls;
- Walls with individual surface pattern (facing concrete);
- Standard construction buildings as an economically sounded;
- Circular walls;
- Bridge constructions.



The WELL TECH large-area formwork is easily arranged with the panels of the VARIANT frame formwork by the use of transition plate.



These elements make a strong reliable and self -suffic formwork system with the help of connection and supj elements as well as anchoring system.



The WELL TECH large -area formwork is a system whic adjusted to a specific entity, easy-to-use because consists of only three main elements:

Steel walings



Formwork beams



Formwork plate



Soldier Formwork System

Light Weight Formwork of Premium Performance

Safe and Economical Concrete Forming

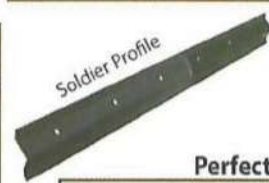
The system used to provide a form for the rectangular columns with size adjustment ability.

The column size can be adjusted with 50mm increments in all four sides starting from 200mm up to 900mm. Six panel height are available to match the variation in column height.

The contractor will be supplied with a versatile column formwork including the 18mm plywood lateral access and support components.



Universal Clamp with 150 X 75 mm Aluminum Beam



Soldier Profile



Timber Waling Clamp With 150 X 75 mm Timber



Aluminum Beam 5-150 150 X 75 mm



Universal Clamp



Timber Waling Clamp



H-20 Water Clamp

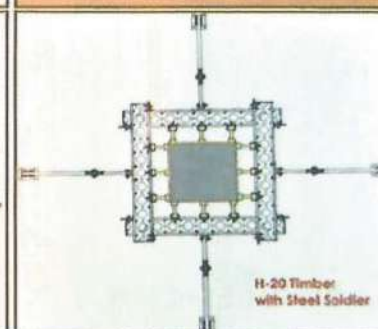
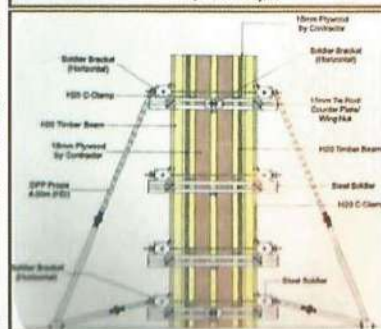
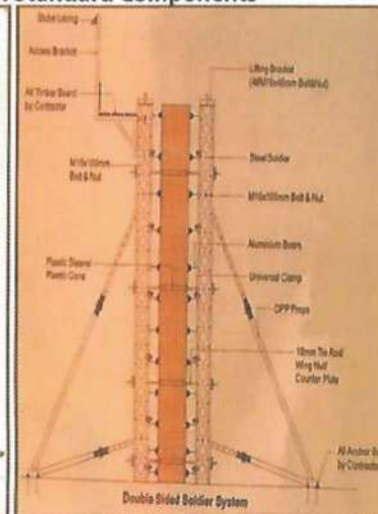
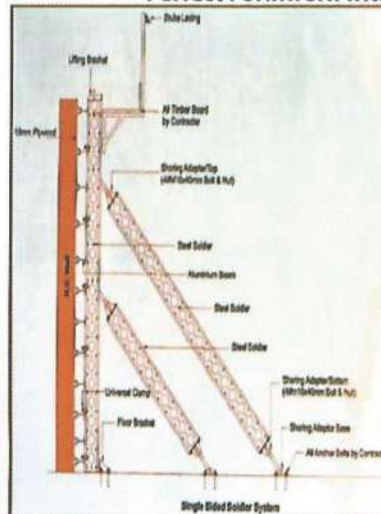


H-20 Soldier Clamp



H-20 C- Clamp

Perfect Formwork with Standard Components



Solder Lifting Bracket



M16 Bolt, Nut & Washer



Solder Access Bracket w/ Handrail Post



Vertical Soldier Bracket-50



Soldier Floor Bracket



Horizontal Solder Bracket-50



Universal Angle Tie Bracket



Soldier 6-Ways Connector



Corner Adaptor



Soldier Shoring Base Adaptor



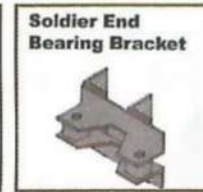
Shoring Adaptor



Push Pull Corner Angle



Soldier Pivot Cleat



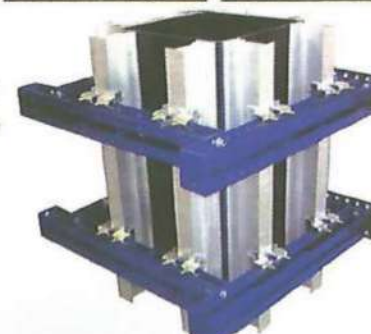
Soldier End Bearing Bracket



Corner Angle



Tie Rod With Water Stopper



Scaffolding Fitting & Accessories

Illustration	Designation	Art. n°	General Remark
	Swivel coupler 48mm	WTSD101	For joining two Scaffolding tubes 48.3mm at any angle.
	Double coupler 48mm	WTSD102	For joining two Scaffolding tubes 48.3mm at a 90° angle.
	Transition swivel coupler 48/60mm	WTSD103	For joining Scaffolding tubes 48.3mm to diam. 60 mm tubes (e.g. the vertical tubes of Basic frames d2), at any angle.
	Transition swivel coupler 48/76mm	WTSD104	For joining Scaffolding tubes 48.3mm to diam. 76 mm tubes (e.g. the vertical tubes of Aluxo or Staxo 100 frames), at any angle. This is not a DIN 4421 compliant connection. No loads may be introduced parallel to the Aluxo or Staxo tubes and the floor props
	Transition angle coupler 48/60mm	WTSD105	For joining Scaffolding tubes 48.3mm to diam. 60 mm tubes (e.g. the vertical tubes of Basic frames d2), at a 90° angle.
	Pin coupling 60mm	WTSD106	For connecting extra diagonal and horizontal braces or diagonal crosses to diam 60. mm tubes (e.g. the vertical tubes of Basic frames d2).
	Swivel coupler 48mm Eurex 60	WTSD107	Screw-on coupling for use on Eurex 60 550 for holding a Scaffolding tube 48.3mm.
	Screw-on coupler 48mm 50	WTSD108	Screw-on coupling for holding a Scaffolding tube 48.3mm. Max. clamping thickness: 35 mm
	Screw-on coupler 48mm 95	WTSD109	Screw-on coupling for holding a Scaffolding tube 48.3mm. Max. clamping thickness: 80 mm
	Screw-on coupler 48mm 135	WTSD110	Screw-on coupling for holding a Scaffolding tube 48.3mm. Max. clamping thickness: 120 mm

CUPLERS



Tie Rod

Threaded high tensile tie rod supplied in 6m length and 17mm diameter, black or galvanized.

CODE	WEIGHT	LENGTH
WTTR	9.3 kg	6.0m

Counter Plate

A simple heavy duty reinforced plate 120 x 120 x 8mm, 120 x 120 x 6mm

CODE	WEIGHT
WTCP	0.72 kg

Wing Nut

Cast nut with lever arm action used counter plate for all soldiers or waling application, supplied either black or galvanized.

CODE	WEIGHT
WTWN	0.30 kg

Water Stopper

Cast element used as a connector between two tie rods, which prevents water seepage due to its central disk.

CODE	WEIGHT
WTWS	0.56 kg

DH PUTLOG COUPLER

This coupler designed to secure putlogs transoms to ledger. It also conforms to the requirements for bracing coupler as it is capable of taking much higher loading than normal putlog coupler

CODE	Weight
WTPC	0.68 kg



FIXED FINAL

Connect a scaffolding tube at right angle directly to the end of another tube with projection. Ideal for guard rails, crowd control barriers, etc.

CODE	Weight
WTFF	1 kg



PRESSED SLEEVE COUPLER

Used to join two scaffolding tubes externally end to end. A steel divider located centrally ensures equal insertion of each tube. It can be employed where tension joints are required.

CODE	WEIGHT
WTSC	1.15 kg



100 Wing Nut
0.65kg



Fixed Grider Coupler
48.3mm 1.50kg



Threader
(60.3mm)



Water Wheel
100.0mm 5.50kg



Anchor Nut
1.30kg

Props

Adjustable props are economically and popular instruments used to support the concrete elements. They provide the best temporary supports for all purpose, they are:

- **Economical To Buy**
- **Easier and quicker in erection**
- **Provide safe load supporting**

The most important part of the props is the threaded portion call the collar. The collar includes the high tensile steel pin. Both were designed to be rust-free and easy to adjust.

PROPS ARE MAUFACTURED IN TWO CATEGORIES

Medium Duty Props (2.0mm thickness, inner & outer tube)

Code	SCRW (Threaded Tube) L/OD/Thk (mm)	OUTER Tube L/OD/Thk (mm)	INNER Tube L/OD/Thk (mm)	HIGHT of Use (mm)		PERMISSIBLE Load (kg)		Weight Approx (kg)
				Min.	Max.	Closed	Extended	
WTPR	220/60.3/3.2	1500-60.3/2.0	1500/48.3/2.0	1750	3000	1215	1000	10.6
WTPR	220/60.3/3.2	1500-60.3/2.0	2000/48.3/2.0	2000	3500	1134	875	11.8
WTPR	220/60.3/3.2	1500-60.3/2.0	2500/48.3/2.0	2500	4000	735	563	12.9
WTPR	220/60.3/3.2	1500-60.3/2.0	3000/48.3/2.0	2500	4500	656	548	13.9
WTPR	220/60.3/3.2	2000-60.3/2.0	3000/48.3/2.0	3000	5000	595	456	15.0

Heavy Duty Props (3.1mm thickness, inner & outer tube)

Code	SCRW (Threaded Tube) L/OD/Thk (mm)	OUTER Tube L/OD/Thk (mm)	INNER Tube L/OD/Thk (mm)	HIGHT of Use (mm)		PERMISSIBLE Load (kg)		Weight Approx (kg)
				Min.	Max.	Closed	Extended	
WTPRH	220/60.3/3.2	1500-60.3/3.1	2000/48.3/3.1	1750	3000	2328	2000	14.6
WTPRH	220/60.3/3.2	1500-60.3/3.1	2000/48.3/3.1	2000	3500	1175	1125	16.4
WTPRH	220/60.3/3.2	1500-60.3/3.1	2500/48.3/3.1	2500	4000	1188	938	18.1
WTPRH	220/60.3/3.2	1500-60.3/3.1	3000/48.3/3.1	2500	4500	1019	738	20.0
WTPRH	220/60.3/3.2	2000-60.3/3.1	3000/48.3/3.1	3000	5000	915	688	22.4

All props can be manufacture in any size and demand, and the rocking top and bottom plate are also available in any size.



Size : Closed 2400mm, Open 3900



Props is made of the following Standards:
BS 1139 Part 1, 1982 Steel, BS 4360 Grade 408
Weight : 13.5 kg (for 2 mm thk. pipe)



Push-Pull Props

For use whenever an adjustable inclined strut is required, suitable for all bu systems and form work applications.

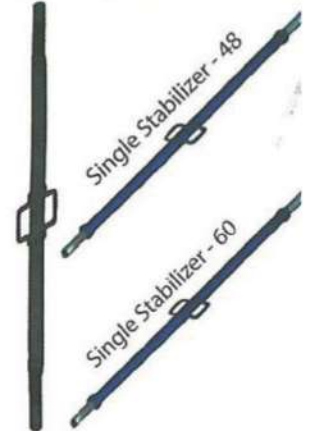
Double Push Pull Prop Double Adj. [kg]

DPPPDA H.D. (2.5) (P)	25.50
Major Prop: 1.5 - 2.5m	(E/P) 25.50
DPPPDA H.D. (3.0) (P)	27.75
Major Prop: 2.0 - 3.0m	(E/P) 27.75
DPPPDA H.D. (3.5) (P)	29.49
Major Prop: 2.0 - 3.5m	(E/P) 29.49
DPPPDA H.D. (4.0) (P)	31.23
Major Prop: 2.5 - 4.0m	(E/P) 31.23
DPPPDA H.D. (4.5) (P)	35.73
Major Prop: 2.5 - 4.5m	(E/P) 35.73
DPPPDA H.D. (5.0) (P)	37.51
Major Prop: 3.0 - 5.0m	(E/P) 37.51
DPPPDA H.D. (5.5) (P)	39.29
Major Prop: 3.5 - 5.5m	(E/P) 39.29
DPPPDA H.D. (6.0) (P)	41.07
Major Prop: 4.0 - 6.0m	(E/P) 41.07



Single Stabilizer [kg]

Single Stabilizer-48 (1.5m)	7.37
Single Stabilizer-48 (2.0m)	9.12
Single Stabilizer-48 (2.5m)	11.30
Single Stabilizer-48 (3.0m)	13.49
Single Stabilizer-48 (3.5m)	15.67
Single Stabilizer-48 (4.0m)	17.86
Single Stabilizer-48 (1.5m)	9.71
Single Stabilizer-48 (2.0m)	11.93
Single Stabilizer-48 (2.5m)	14.70
Single Stabilizer-48 (3.0m)	17.48
Single Stabilizer-48 (3.5m)	20.26
Single Stabilizer-48 (4.0m)	23.03
Single Stabilizer-48 (4.5m)	25.81
Single Stabilizer-48 (5.0m)	29.23
Single Stabilizer-48 (5.5m)	32.1



External Scaffolding

Italian System

LIGHTWEIGHT FRAME SYSTEM

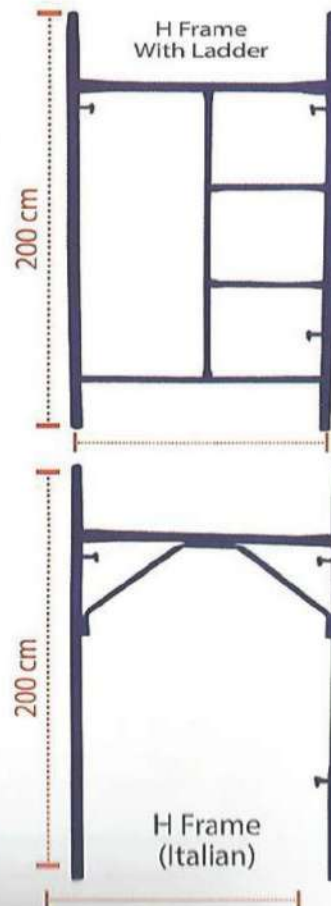
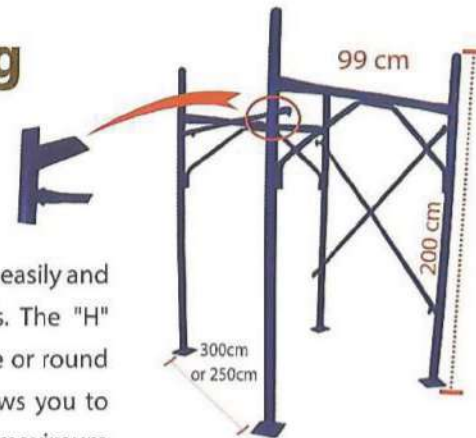
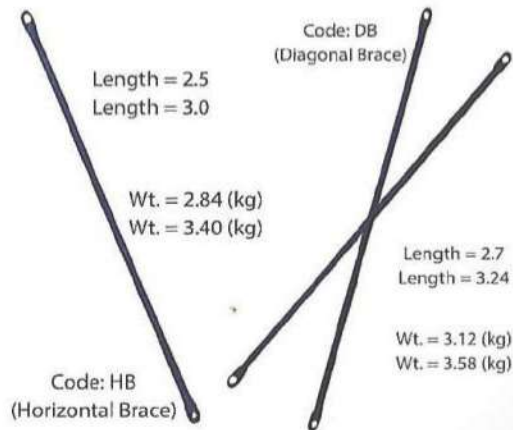
High quality external system is designed to be easily and dismantled without help from professionals. The "H" frame, or vertical member, has welded square or round pins on top for ease of connection. This allows you to erect the frames faster and to any height with maximum safety and stability. This system is designed not to include any loose fitting inside.

The external systems have a three-way support to hold greater loads and ensure greater stability. The vertical frames (H frames) are available in side ladder type, 3 step ladder, and normal "H" shape.

Italian System

CODE	Height (m)	Width (m)	WEIGHT (kg)
WTHF (without Ladder)	2.0	0.99	13.70
WTHF (with Ladder)	2.0	0.99	15.50

Tube Diameter:
Code C 1 1/2"
Code D 3/4"



Korean System

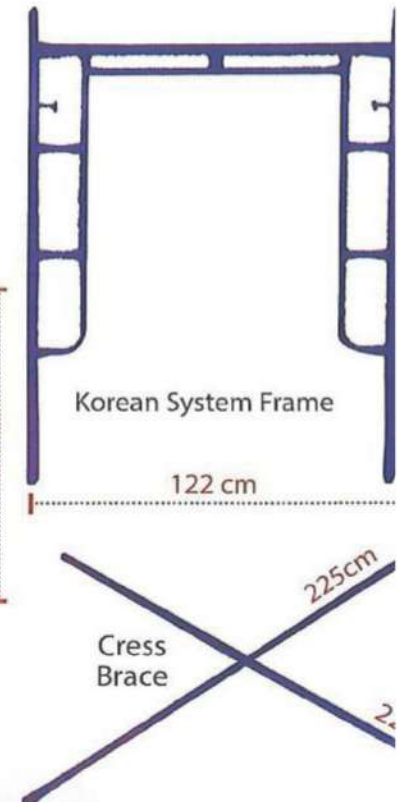
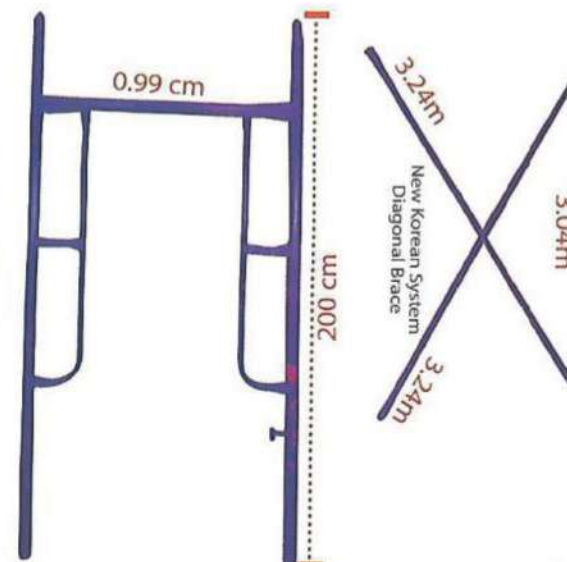
The Korean style exterior system, otherwise known as Beatty and load tower type, allows you to work on the interior as well as the exterior of civil construction work.

Its vertical member has arched construction with a height of 1.70m and a width of 1.22m, therefore allowing you a greater area on the top of a work from.

The 2.20m long cross braces will safely hold the two frames of the system together.

Korean System

CODE	Height (m)	Width (m)	WEIGHT (kg)
WTHF (Korean)	1.7	1.22	14.5
WTHF (New Korean System)	2.0	0.99	15.5



SCAFFOLDING TUBES

SCAFFOLDING TUBES

AVAILABLE IN GALVANIZED/BLACK VERSION

Technical Data for Scaffolding Tube

As per specification BS EN 39:2001

Outside Diameter		Thickness		Weight per unit Length	
Inches	mm	Inches	mm	lbs/foot	Kg/m
1.1/2	48.3	0.126	3.2	2.392	3.56
1.1/2	48.3	0.157	4	2.397	4.37

Chemical Composition

% C	% Si	% Mn	% P	% S	% Al
Max	Max	Max	Max	Max	Max
0.2	0.05	1.4	0.040	0.045	0.020

Mechanical Properties

YEILD STRENGTH	:	235 MPa (Min)
TENILE STRENGTH	:	340-520 MPa
ELONGATION	:	24% (Min)on Gauge Length
END FINISH	:	Plain End
STRAIGHTNESS	:	1mm IN 500mm length
ZINC COATING	:	40 Microns Minimum Outside
MARKING	:	"EN 39"- Every 1 meter length (upon request)
DELIVERY CONDITION	:	As Rolled Condition (Without Protection) Hot Dipped Galvanized

Other Grade Scaffold Tube

Scaffold tubes (JIS G 3444: 1988)

Standard No.	JIS G3444
Material	STK
Specification (mm)	48.6 (O.D) x 2.4 (THK) x CTL*
Galvanization	Hot Dipped
Unit Weight	2.73kg / m
End Finish	Plain End

- CTL- Cut to length



Aluminium Mobile Tower

Mobile towers are the towers of the choice for neon sign companies, maintenance and contracting companies, and numerous other businesses. The tube used in the construction of towers are of the highest quality steel ensuring sturdiness and durability making our mobile towers the most advanced available.

OTHER FEATURES ON MOBILE TOWER ARE:

Adjustable legs, Steel & Aluminum
Strong castor wheels with brakes
Outside built-in ladder frame
0.75m section for easy assembly and dismantling
Stabilizers for maximum safety above a height of 10m

SAFE WORKING LOAD:

1.5m x 1.5m : 33kg (Evenly Distributed)
2.1m x 2.1m : 650 kg (Evenly Distributed)

PRACTICAL NOTES:

1. Beware of high wind condition.
2. Always tie the tower to the building in exposed condition.
3. Never leave an unsecured tower unattended.

tended.

4. Additional heights can be achieved if the tower is tied properly to the structure.
5. Care must be taken to ensure that the towers always remain upright.
6. Particular caution is required with mowing towers, which have been erected on uneven surfaces.
7. Mobile castor wheels must be locked when the tower is in use.
8. When moving the tower, push at the base.



Diagonal Brace Equipped with Clamping Technology



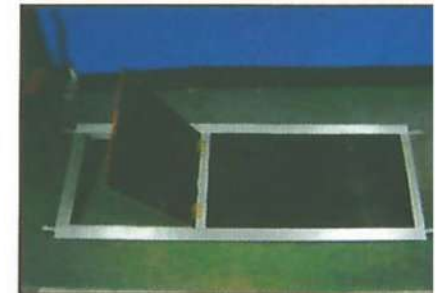
Platform Profiles Prevent Wood Damage



Trap Door Access.



Caster Wheel / Adj. Leg



Platform With Trap Door



200mm Nylon Wheels (double braked) with a steel adjustable spindle (apprxo. 150mm)



Platform With a wind Security System (to protect against Strong Updrafts)

Aluminium Mobile Tower

Aluminium Tower Double Width (500)

The 500 mobile tower is Well Tech system with 1.4 meter wide frames. This system has countless applications for both interior and exterior use.

The maximum working height for interior work is 14 meter and exterior work is 10 meter.

Equal length braces, stabilizers, and wheel legs can be interchanged between the single width (510 S/w) and the (520 D/W) mobile towers.

Maximum load per platform is 225 kg and for the entire tower is 600 kg including tower self weight.

The wheels of this mobile tower is PU top and PP core.

The towers are equipped with blank, unprocessed wooden toe board and wooden platforms.

Width available: 1.2, 1.4, 1.6, 2.0 meter.

Main frame heights available: 1.5, 2.0 & 2.5 meter.

Length available: 1.8, 2.5 & 2.9 meter.



Aluminium Single Width (510)

If there is narrow space for placing a mobile tower. Well Tech's 510 mobile tower offer an excellent solution with its 90 cm wide frames

- The maximum working height for interior and exterior work is 10 meter

- Maximum load per platform is 225 kg and for the entire tower is 600 kg including tower self weight.

- The platform hook of the tower is equipped with wind lock system.

- The frames are connected with floatings pigot for easy assembling and dismantling along with locking pins to prevent accidental removal of frames

- Width available: 0.75, 0.90 meter

- Main frame Heights available: 1.5, 2.0 meter.

- Length available: 1.8, 2.5 meter



Aluminium Stage

In the development of the Altrex Stage, the aim was for optimal combination of safety and ease of use. This has resulted in an Well Tech Altrex product which can be used in a versatile way because of its light weight.



The unique guardrails post is strong and meets all the safety requirements, can be assembled without tools very quickly (within 20 seconds). The stage is also strong and sturdy with a maximum load of 200 kg/m² for the most common sizes of 4 meters to 6 meters. The stage can be used between rolling towers.

Applications:

- Can be used 2-sided
- 2 stages next to each other within the frame of 6000 scaffolds
- Ideal for use with rolling towers and creating large work floors

Guardrails system

- Very quick assemble without tools
- One-sided guardrail easy to extend to 2-sided guardrails for an even greater sense of safety (if not positioned against the façade)
- Can be used for several stages next to each other because of its between section
- Can be positioned anywhere along the stage

Toe boards:

- When used as single stage integrated in the product, available separately for other applications

Options:

- In between section for railing
- Greater lengths available upon request

Safety:

- Aluminum floor, anti-slip, part perforated for water/sand disposal

Atlas

The Atlas Ladder (Single Straight) is developed especially for various jobs at the building site. This blank Ladder has a unique light I-profile, suitable for intensive professional use.



All Round

The All Round Ladder perfectly suited to all inside and outside jobs around the house it is available in single straight as well as a 2 and 3 part combination ladder.





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SINCE 2010

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