uni-span

Formwork & Scaffolding

Access Scaffolding

a Bud Group Company

Bud

Built to Grow

BUD **BENEFITS**

> Integrated group
> Quality assets
> Scale and relevance
> Strong financial position
> Efficient capital structure
> Common vision
> Empowered

BUILT TO **GROW**

> Revenue synergies
> Operating efficiencies
> Exciting growth prospects
> Acquisition opportunities
> Access to capital

BUD FOOTPRINT **ENABLING GROWTH:**

9
PROVINCES IN SOUTH AFRICA

12
COUNTRIES IN AFRICA

11 500
EMPLOYEES

A DIVERSIFIED GROUP OF **SCALE AND RELEVANCE**

Bud has been structured into an operating company, which allows our entrepreneurial management to continue to operate on a decentralised basis in their focused businesses, whilst benefiting from an integrated Bud Group that enables more efficient operations and access to opportunities that were not previously available.

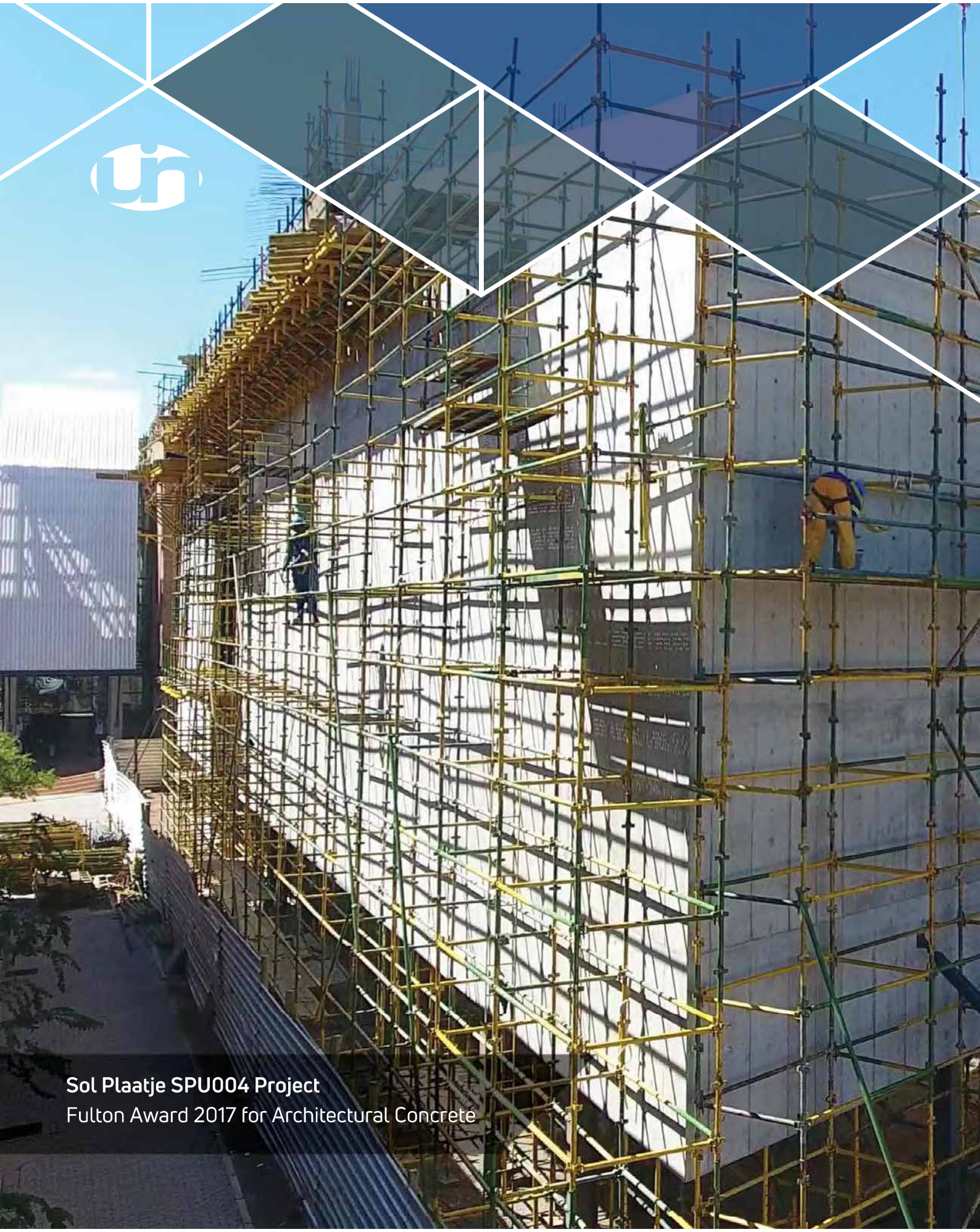
Driven by innovation and agility, **Uni-Span Formwork & Scaffolding** is part of the Bud Group, a diversified business of scale and relevance.

Bud is an **enabling platform** that creates a permanent home in which our businesses can grow and develop to create long-term value across our chosen platforms: Chemicals and Minerals, Industrial Services, Building Materials and Financial Services.

BUD OPERATING **PLATFORMS:**

Bud Chemicals and Minerals	Bud Industrial Services	Bud Building Materials	Bud Financial Services	Bud BEE Partner
FERRO a Bud Group Company	GOSCOR GROUP OF COMPANIES a Bud Group Company	AFRIT a Bud Group Company	COROBRIK*	ASSUPOL*	KHULASANDE CAPITAL
WALVIS BAY SALT HOLDINGS a Bud Group Company	uni-span Formwork & Scaffolding a Bud Group Company	AUTOCAST SOUTH AFRICA*		
IDWALA INDUSTRIAL HOLDINGS LIMITED a Bud Group Company	NCP CHLORCHEM a Bud Group Company	Augusta Steel a Bud Group Company	prowalco TATSUNO a Bud Group Company	
cjp CHEMICALS Driving Innovation and Excellence a Bud Group Company	*	Bud Rental Services a Bud Group Company	CONCORD CRANES a Bud Group Company	
Cerebos a Bud Group Company	FFS REFINERS*			

*Associates



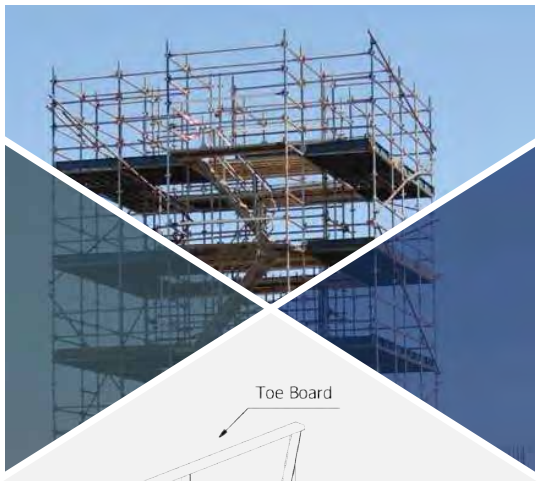
Sol Plaatje SPU004 Project
Fulton Award 2017 for Architectural Concrete

Advanced designs and systems for **efficient formwork and scaffolding solutions** throughout Africa.

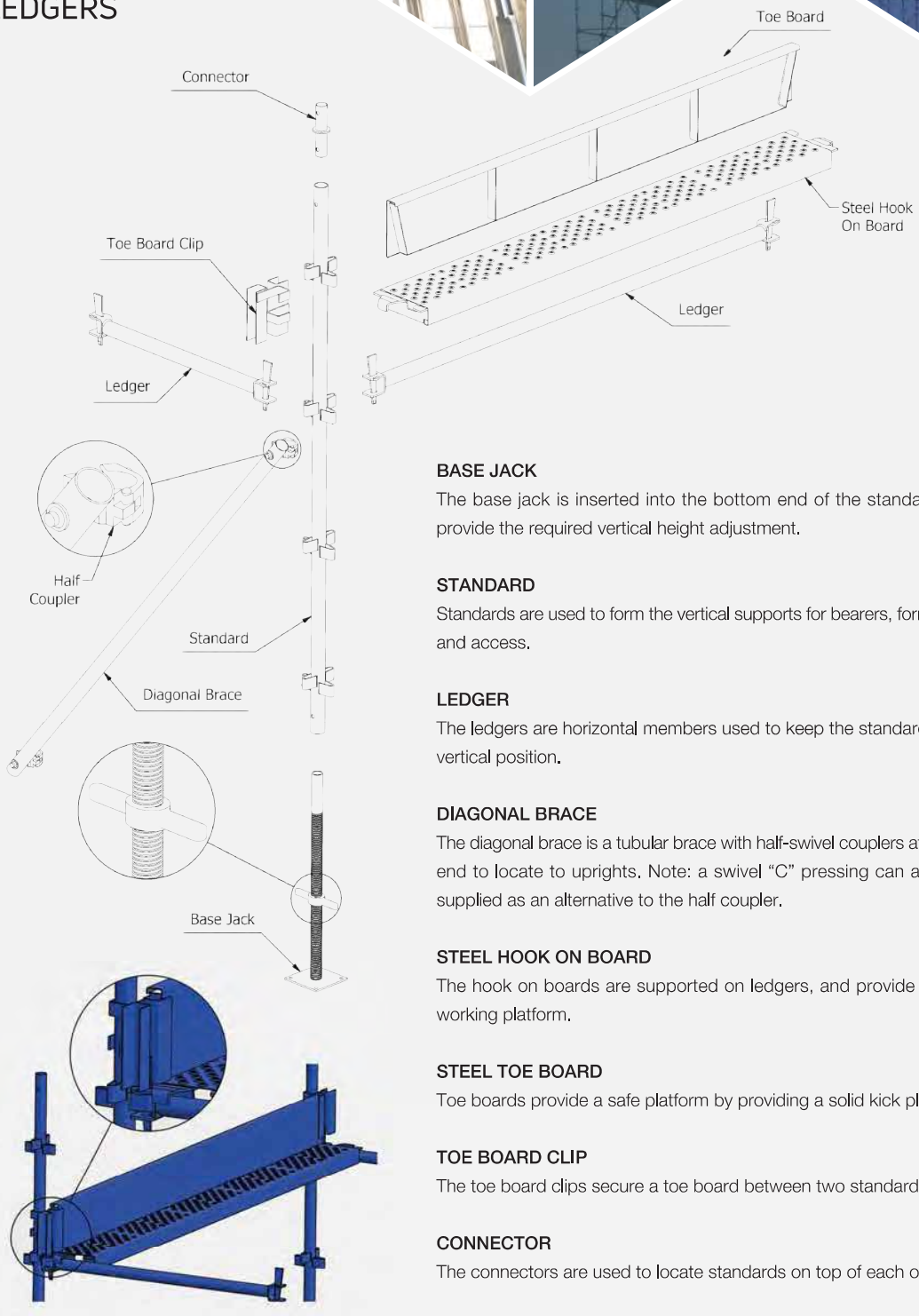
Uni-Span has been providing advanced designs and systems for efficient formwork and scaffolding solutions throughout Africa since 1989. Over the last 30 years, our company has grown exponentially with a footprint that expands over 12 operating branches in SA, Botswana and Ghana and a team of over 700 employees which include our sales engineers, world-class in-house design team and a specialist contracting division.

Uni-Span offers a diverse range of formwork & scaffolding solutions (rentals & sales), a range of support and decking systems and specialised formwork solutions – all of which can be tailormade to specific project requirements.

Offering over 51 000 tons of equipment, Uni-Span services a wide range of industries which include industrial, petrochemical, commercial, construction, civil, steel and power & generation. Finding a solution for our clients, no matter the difficult challenges, the dynamic requirements and pressure of deadlines, is at the forefront of our team's strategy. We understand our market. We understand the pressure. Our promise is to understand our customers' requirements and aim to serve in the most advanced, cost effective and efficient manner.


STANDARDS & LEDGERS



BASE JACK
The base jack is inserted into the bottom end of the standards to provide the required vertical height adjustment.

STANDARD
Standards are used to form the vertical supports for bearers, formwork and access.

LEDGER
The ledgers are horizontal members used to keep the standards in a vertical position.

DIAGONAL BRACE
The diagonal brace is a tubular brace with half-swivel couplers at either end to locate to uprights. Note: a swivel “C” pressing can also be supplied as an alternative to the half coupler.

STEEL HOOK ON BOARD
The hook on boards are supported on ledgers, and provide a safe working platform.

STEEL TOE BOARD
Toe boards provide a safe platform by providing a solid kick plate.

TOE BOARD CLIP
The toe board clips secure a toe board between two standards.

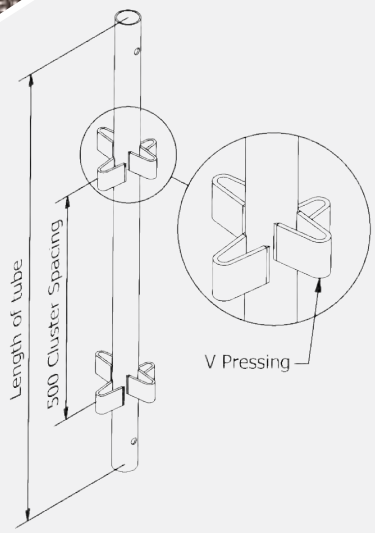
CONNECTOR
The connectors are used to locate standards on top of each other.

High Tensile Tube 48 mm diameter	
Length (mm)	Mass (kg)
4 000	20.5
3 500	17.9
3 000	14.8
2 500	12.3
2 000	9.8
1 500	7.4
1 000	4.9
500	2.5

NOTE: Maximum safe sheer load on each "V" pressing in 10kN.

STANDARD

Standards are manufactured from 48.3 x 3.35 HT scaffold tube. Clusters of four "V" pressings at 90° to each other are situated at 500mm centres along the length of the standard.
(External connector can be included).

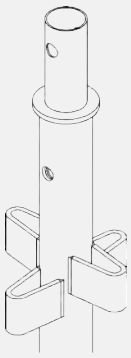


Standard

External Connector

Mass 1.2kg

60mm x 4,5mm wall thickness.
Joins standards for hanging scaffold.



Light Duty Connector

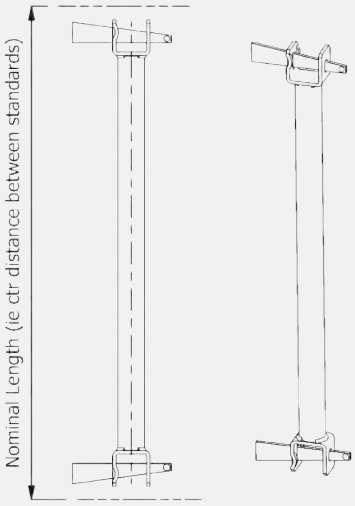
Mass 0.4kg

38mm x 2mm wall thickness.
Joins standards together.

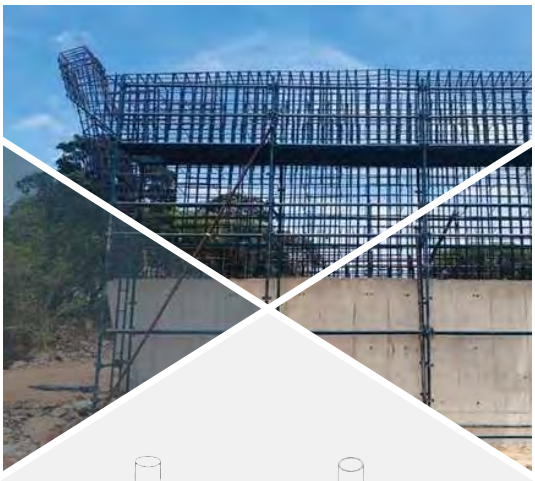
LEDGER

The horizontal member is a tubular ledger with captive wedge "C" pressings on each end which locate on the "V" pressings on the standard. The ledgers are normally placed at 2 metre centres but additional ledgers can be inserted to be used as guard rails.

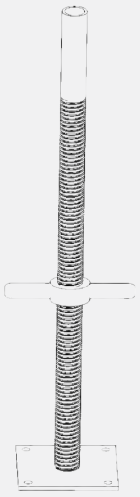
High Tensile Tube 48 mm diameter	
Nominal Length (mm)	Mass (kg)
2 500	7.9
2 000	6.4
1 500	5.0
1 295	4.4
1 219	4.2
900	3.2
600	2.4



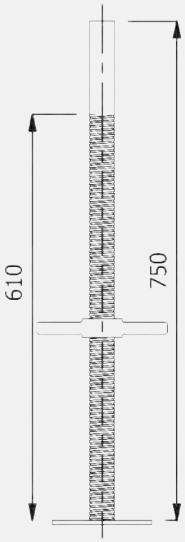
Ledger



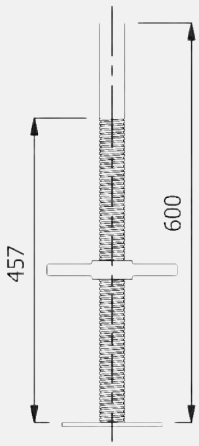
JACKS & TOE BOARDS



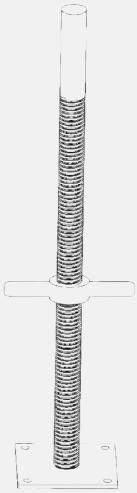
38mm x 4mm tube. The base jack is used to accommodate variations in ground levels. Adjustments of 610 or 457 are available.



Base Jack 610 R/O	
Mass	4.3kg

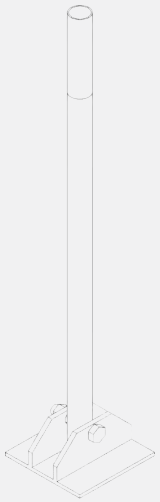


Base Jack 457 R/O	
Mass	3.8kg



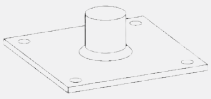
Solid Base Jack	
Mass	7.4kg

38mm Solid bar to accommodate higher loadings and less corrosion.



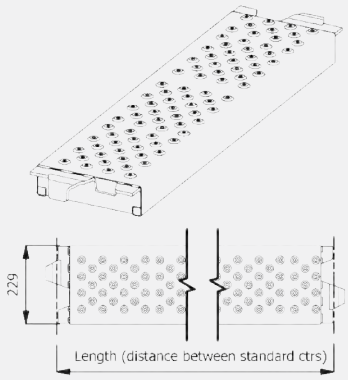
Solid Swivel Base Jack	
Mass	8.6kg

36mm Solid bar to accommodate higher loadings and less corrosion.



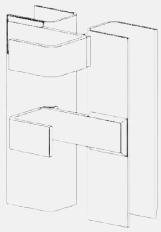
Base Plate	
Mass	1.2kg

The spigot fits into the standard and is used when the standard is erected on a level surface bed.



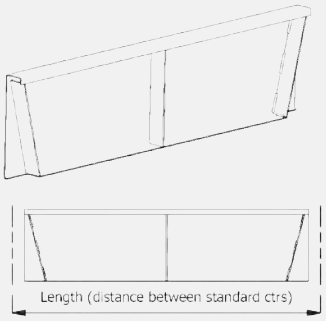
Steel Board	
Length (mm)	Mass (kg)
2 500	17.8
2 000	15.4
1 500	10.6
1 295	9.5
1 219	9.4
900	8.4

The steel boards have non-tilt ends to hook onto the ledgers allowing them to interlock with one another. A non-slip surface ensures a safe working platform.



Toe Board Clip	
Mass	2.2kg

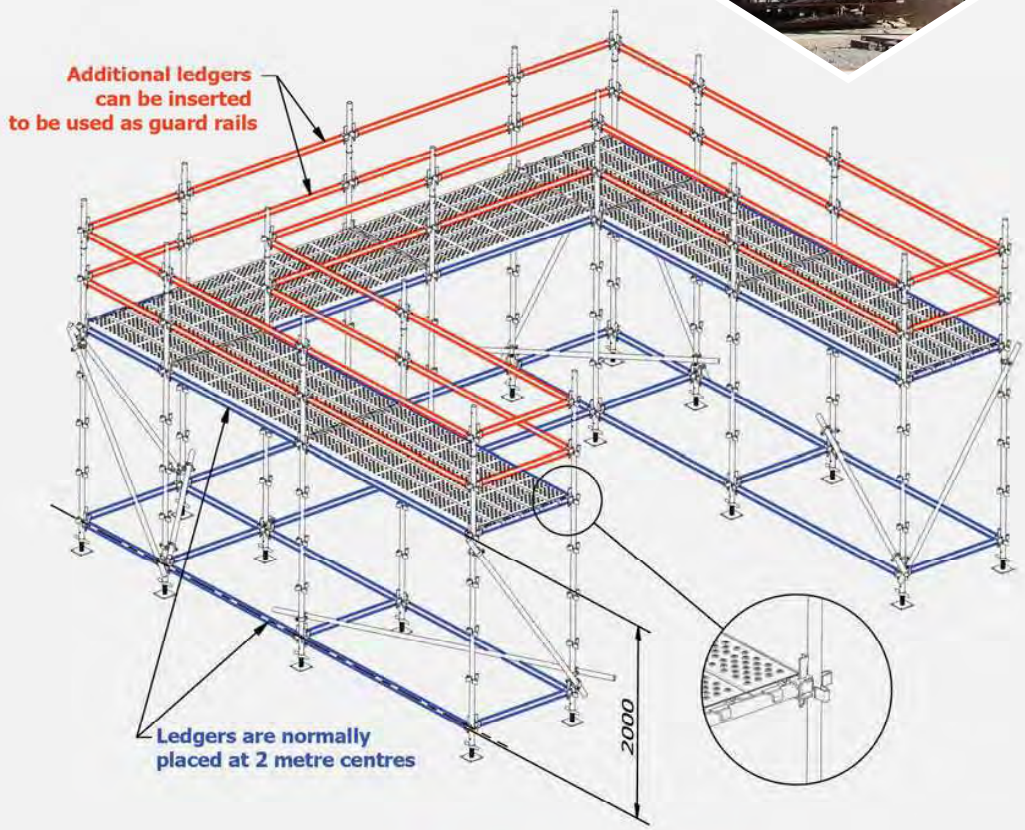
Clamps to standard to accommodate toe board.

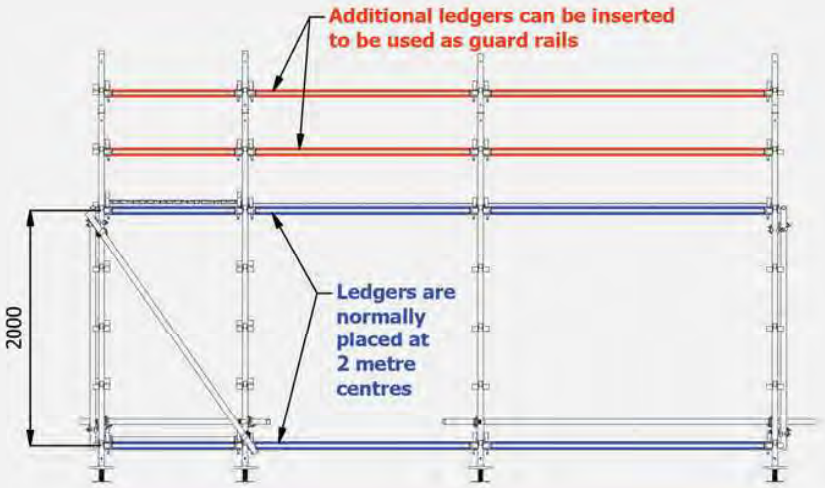


Steel Toe Board	
Length (mm)	Mass (kg)
2 500	14.3
2 000	11.6
1 500	8.7
1 295	7.8
1 219	7.2
900	6.3

The toe board provides a safe platform edge to prevent loose items falling from the platform.

TYPICAL USE OF LEDGERS IN ACCESS SCAFFOLDING

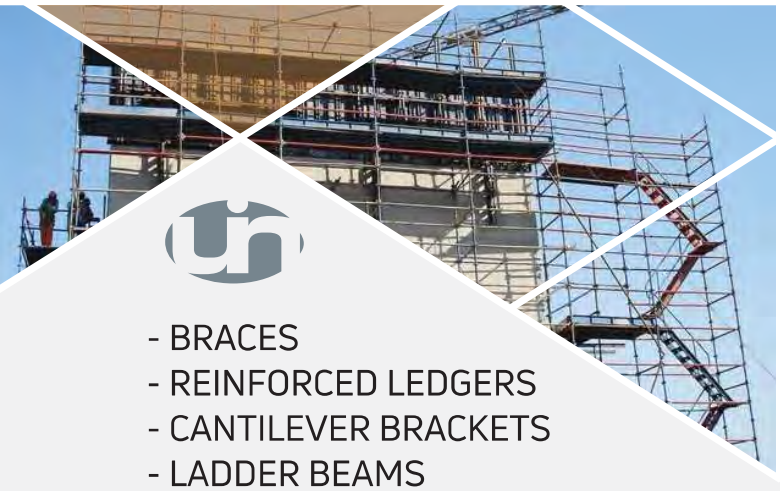


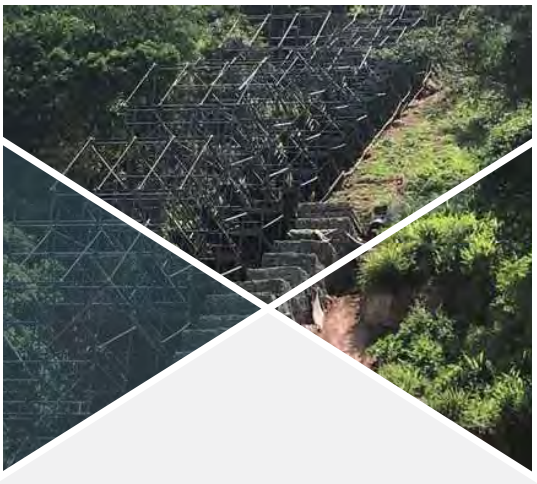


Uni-Span has spent the last 30 years **cementing their position** not only in the South African construction industry but also **throughout various African countries.**

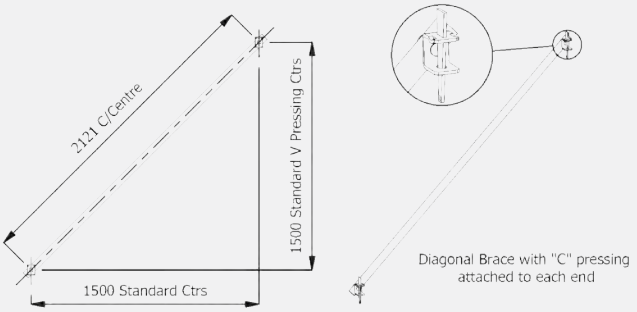
Although our main service is the rental and sales of formwork and scaffolding, our true product offering lies in our delivery of this service and the ability to provide our customers with economic, innovative and personalised formwork and falsework solutions.

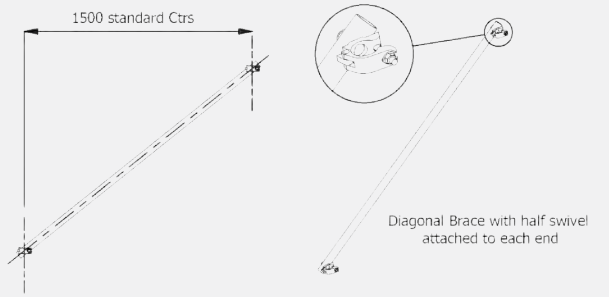
Adhering to strict quality standards, we place a large focus on the maintenance and refurbishment of all equipment. Working hand-in-hand with our sister company, Augusta Steel, we have the mandate of ensuring that our scaffolding is not only cost effective for our clients but is built for strength and longevity for all our rental and sales markets.





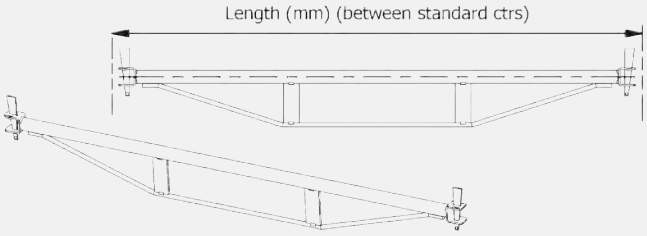
- BRACES
- REINFORCED LEDGERS
- CANTILEVER BRACKETS
- LADDER BEAMS
- FILLER BOARDS





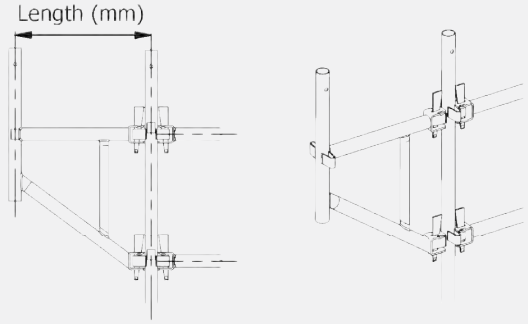
Diagonal Brace		
Size (mm)	C/Centre	Mass (kg)
3 500 x 3 500	4949	19.6
3 500 x 3 000	4610	18.5
3 500 x 2 500	4301	17.3
3 500 x 2 000	4031	16.5
3 500 x 1500	3808	15.7
3 000 x 3000	4243	16.9
3 000 x 2500	3905	15.7
3 000 x 2 000	3606	14.5
3 000 x 1 500	3354	13.1
2 500 x 2 500	3535	14.4
2 500 x 2 000	3201	13.1
2 500 x 1 500	2915	12.4
2 000 x 2 000	2828	11.7
2 000 x 1 500	2500	10.5
1 500 x 1 500	2120	7.0

A half swivel or “C” pressing is attached to each end allowing the brace to be attached in any position.



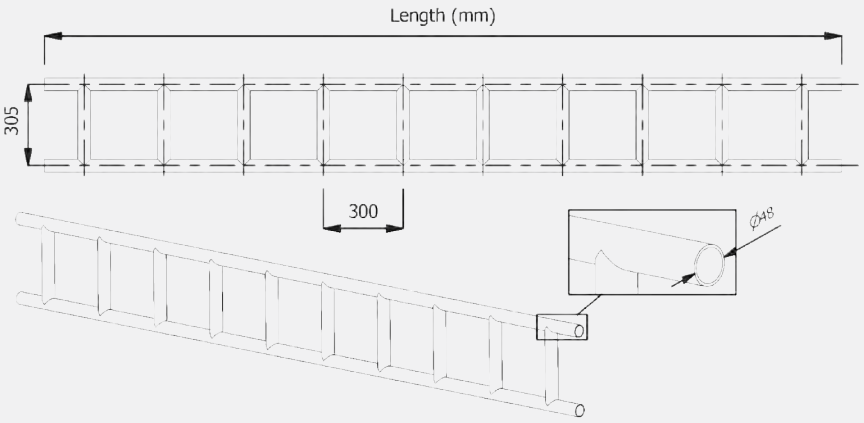
Reinforced Ledger	
Length (mm)	Mass (kg)
2 500	14.4
2 000	11.7

Designed to enable loading over this length of ledger.



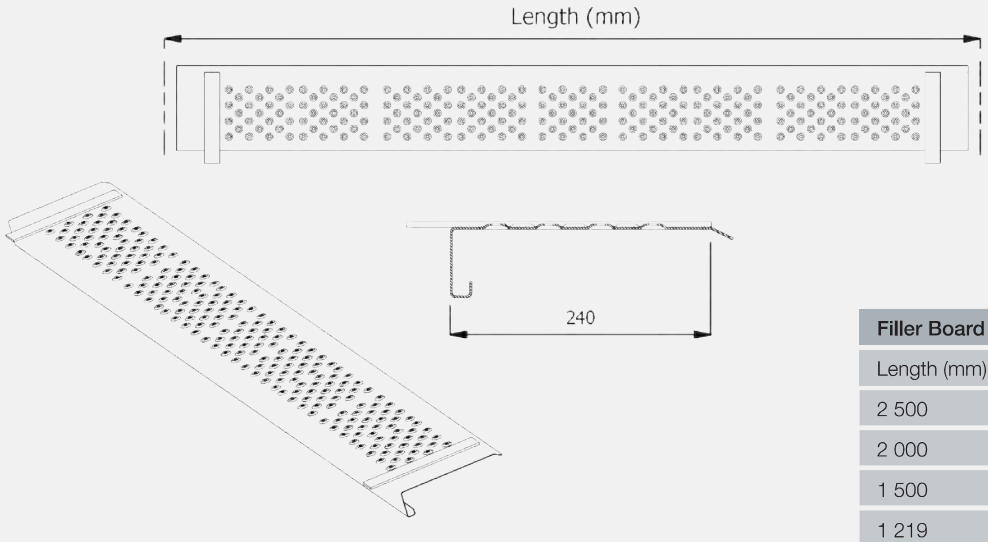
Cantilever Bracket	
Length (mm)	Mass (kg)
900	9.8
532	7.3

The cantilever bracket is used to extend the access or working platform in areas where standards cannot be supported from below.



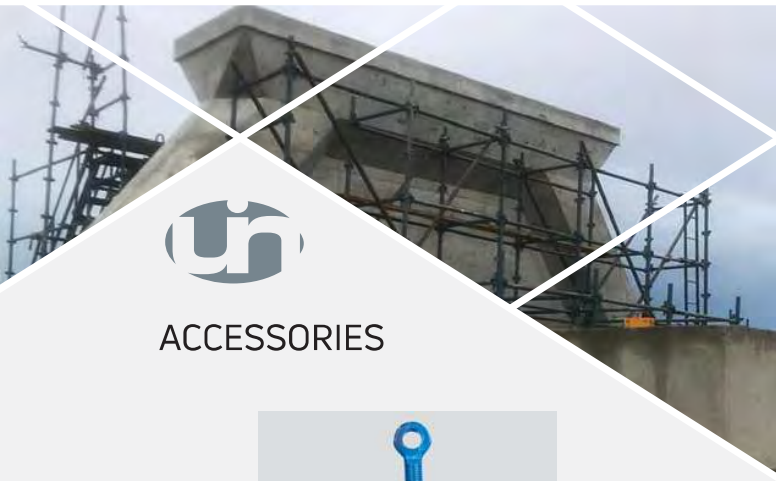
Ladder Beam	
Length (mm)	Mass (kg)
6 000 x 300	60.9
3 000 x 300	30.5

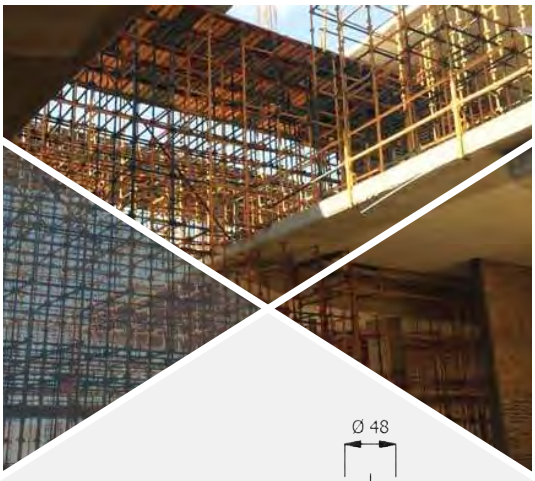
A load beam profile fixed to scaffold standards to allow spanning over a wider distance.



Filler Board	
Length (mm)	Mass (kg)
2 500	15.8
2 000	12.9
1 500	9.2
1 219	8.4
900	5.8

Used as a closure board and secured using a joining clip.



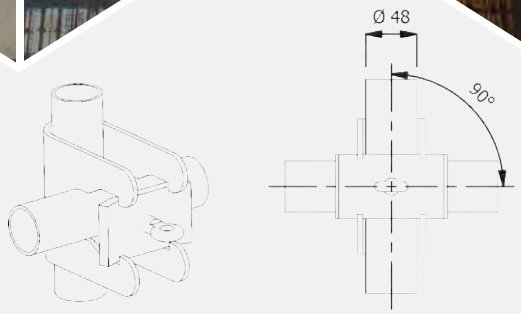


ACCESSORIES

DH Coupler

Mass 1.1kg

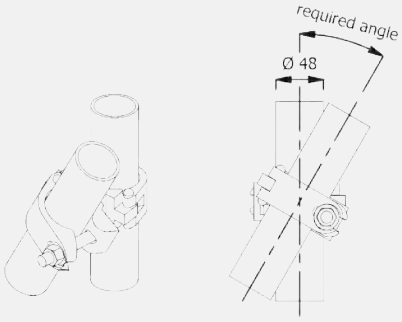
Used to attach a standard tube to a standard at 90˚.



Band and Plate

Mass 2.9kg

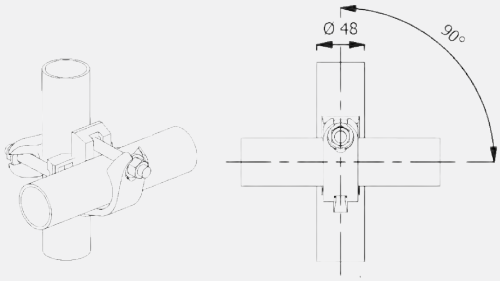
Connects two tubes at right angles.



Swivel Coupler 50 x 50mm

Mass 1.4kg

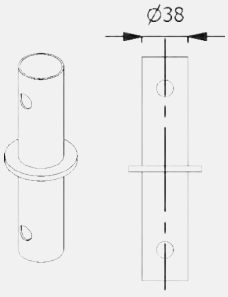
The coupler has a swivel joint to allow the tube to be connected at the required angle.



90° Coupler 50 x 50mm

Mass 1.3kg

90˚ Couplers are used to attach a Scaffold Tube to a Standard at 90˚ .



Light Duty Connector

Mass 0.4kg

38 x 2mm wall thickness.
Joins vertical standards together.

External Connector

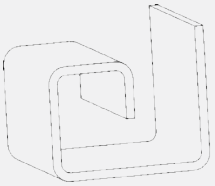
Mass 1.2kg

600 x 4.5mm wall thickness with high tensile connecting pins used for hanging scaffold.

Castor Wheel 200 x 38mm

Mass 8.9kg

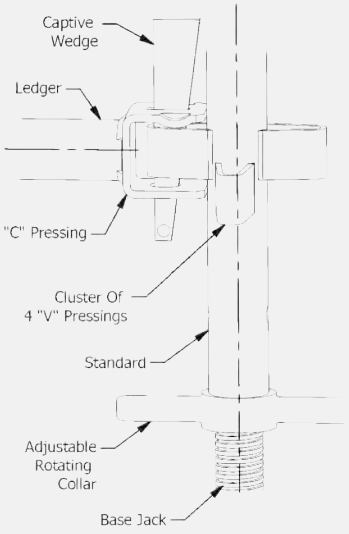
Used for mobile scaffolding.
Available in jacking castors.
Large castor wheels are available.

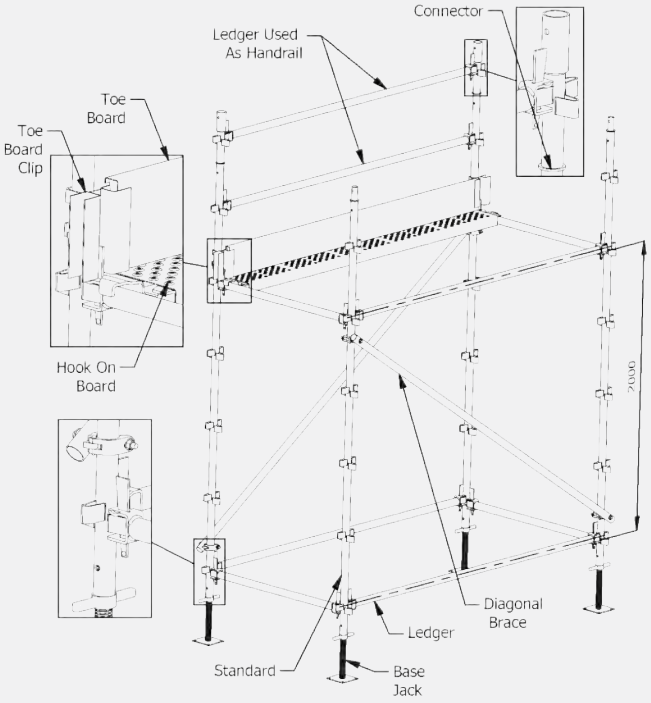


Steel Board Joining Clip

Mass 0.4kg

To secure steel boards or filler boards together.





Scaffold Tube

Mass	3.7kg/m

Tube is high tensile
48.4mm x 3.35mm.
Can be supplied in pre-determined lengths either straight or radiused.

Pallet

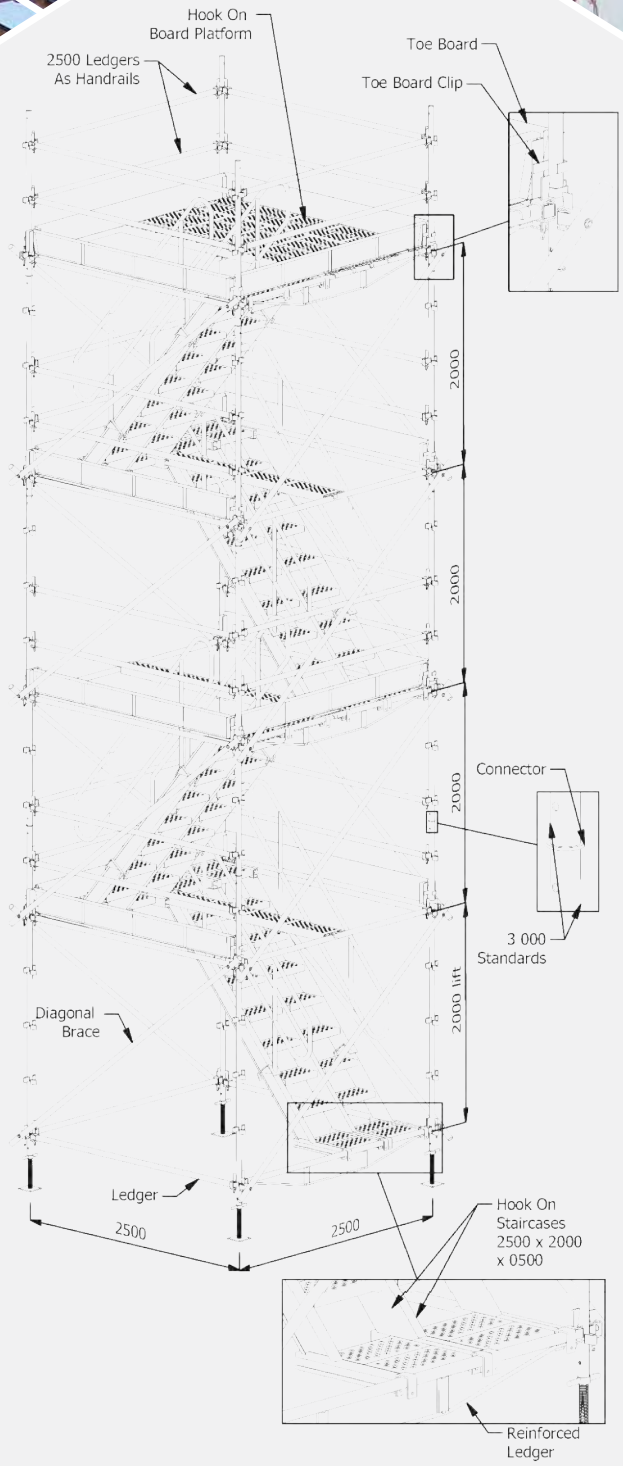
Length (mm)	Mass (kg)
870 x 870	93.0

Robust construction for handling and storing of scaffold products.

Stillage

Length (mm)	Mass (kg)
1 200 x 1 200	111.0

Secured bin for handling and storage of scaffold components.



STAIRCASE

The Uni-Span staircase system incorporates standard products. The stair stringers are manufactured to specification dependent on the height and pitch required. Standard hook on scaffold boards are used to construct platforms at 2m or 2.5m lifts and are supported by standards and ledgers.

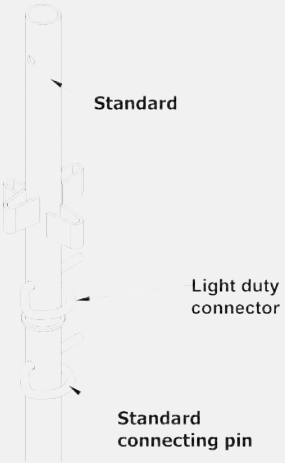
The system's safety features include:

- Guard rails and hand rails
- Non-slip non-tilt hook on boards
- Toe boards can be attached when required
- Extra wide stair treads to allow for passing of personnel
- The robust scaffold allows for additional loading in the heavy duty staircase and platforms.

LADDERS

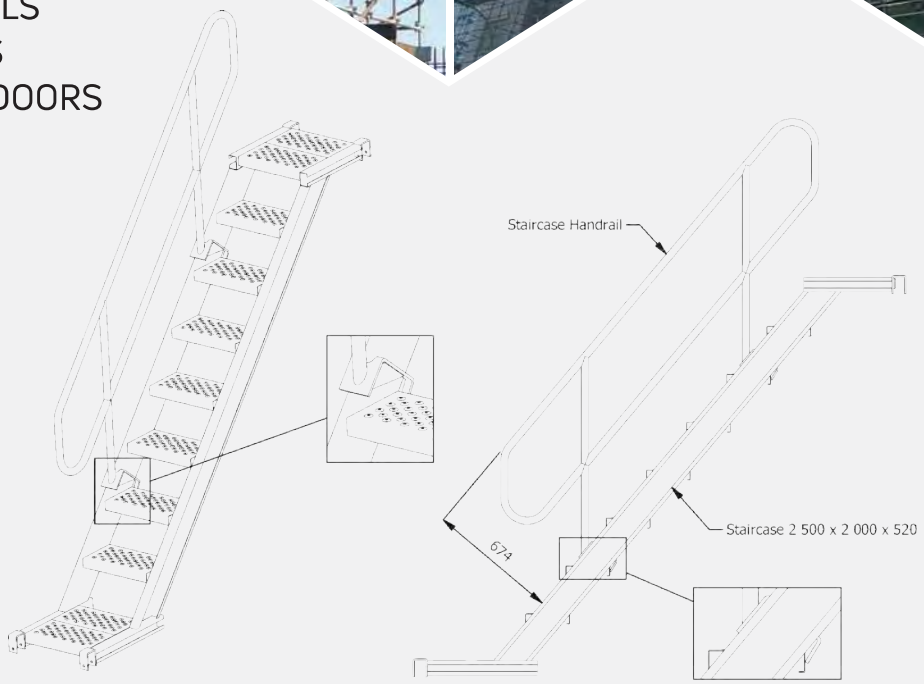
The access ladders are constructed of solid steel flat bars with round bar rungs.

They are joined together and clamped to the scaffold to reach the required height.

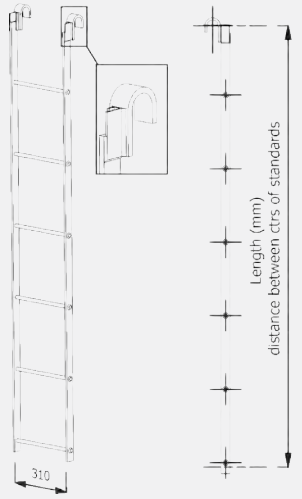


STAIRCASES:

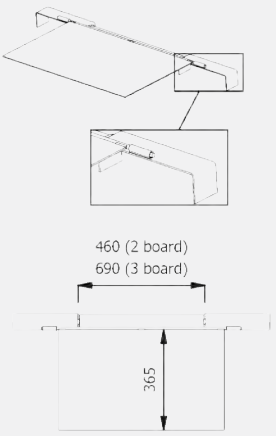
- HANDRAILS
- LADDERS
- ACCESS DOORS



Staircase Handrail Assembly to Staircase

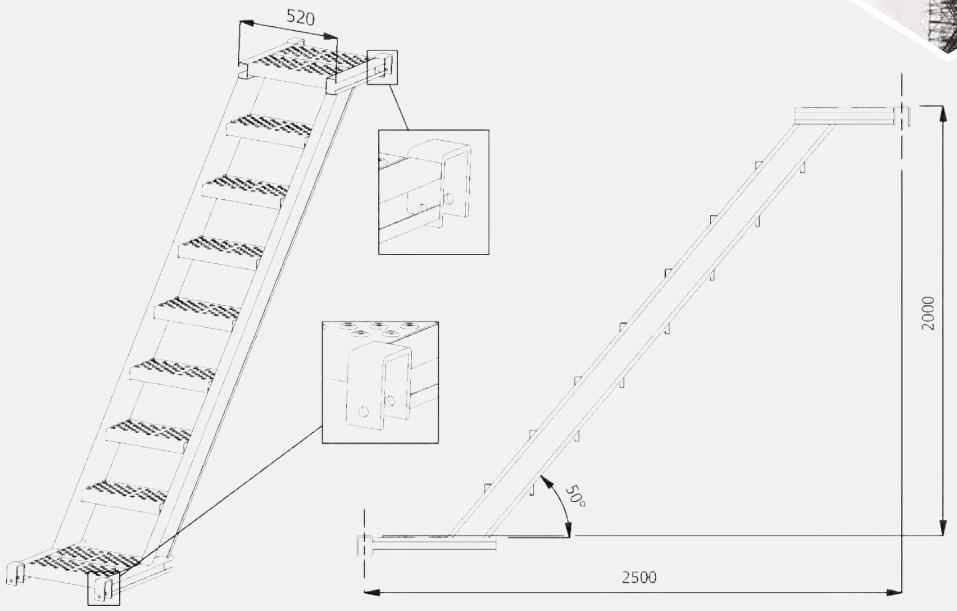


Access Ladder	
Length (mm)	Mass (kg)
3 000	23.7
2 000	16.5
1 000	8.7



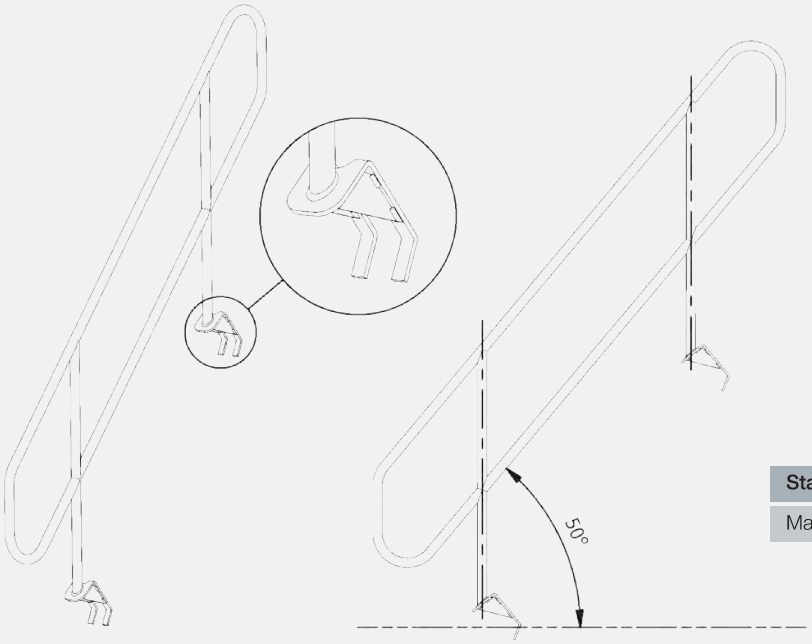
Access Door	
Type	Mass (kg)
2 Board	7.0
3 Board	8.5

Staircase 2 000 x 2 000 x 1010	
Mass	57kg



Staircase 2 500 x 2 000 x 520

Mass 54kg



Staircase Handrail

Mass 16.4kg

SELFLOCK

SELFLOCK TOWER
Selflock frames are light and easy to handle and are ideal to gain quick access to elevated positions.

Towers can be erected in a short amount of time by two unskilled workers.

Towers can be used as access for:
- Electrical work
- Plumbing
- Maintenance
- Plastering
- Painting
- Column erection

Allowable tower heights
Below is a list of the maximum free standing heights allowed based on maximum base-to-height ratio

Inside static towers 4 x min. base dimension

Inside mobile towers 3.5 x min. base dimension

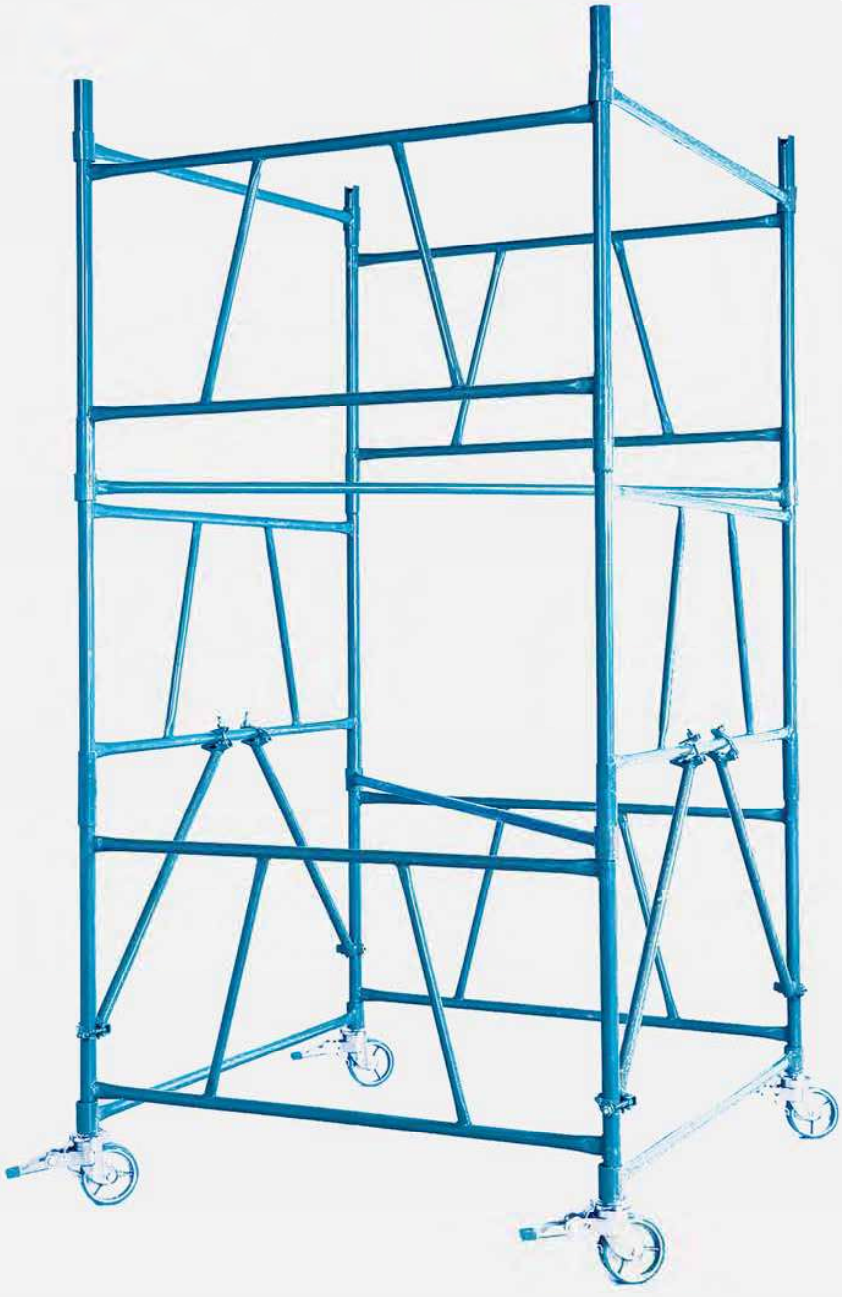
Outside static towers 3.5 x min. base dimension

Outside mobile towers 3 x min. base dimension

Tying in
When the safe base-to-height ratios are being exceeded or there are high lateral loads the tower should be tied securely to the structure with scaffold tubes and fittings.

Note
Towers can extend to 30m (150') if tied in correctly.

Mobile Towers
Mobile tower castors must be locked when the tower is in use. The tower can be moved on jack castors which must be locked when the tower is in use.



The following items are the most common components used with the system.

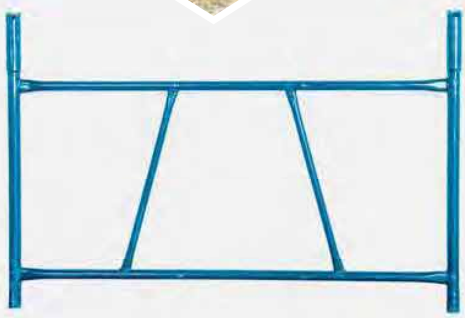
Frames		
Size (mm)	(ft)	Mass (kg)
3 048 x 914	(10 x 3)	20.35
2 134 x 914	(7 x 3)	14.45
1 524 x 914	(5 x 3)	12.54

Steel Boards		
Size (mm)	(ft)	Mass (kg)
3 048	10	21.69
2 134	7	15.39
1 524	5	11.53

Plan Braces		
Size (mm)	(ft)	Mass (kg)
3 048 x 3 048	(10 x 10)	7.24
3 048 x 2 134	(10 x 7)	6.32
3 048 x 1 524	(10 x 5)	5.81
2 134 x 2 134	(7 x 7)	5.21
2 134 x 1 524	(7 x 5)	4.62
1 524 x 1 524	(5 x 5)	3.90

Tie Bars		
Size (mm)	(ft)	Mass (kg)
3 048	10	6.97
2 134	7	5.15
1 524	5	3.93

Accessories	
Size (mm)	Mass (kg)
Base plate	0.65
Knee brace	4.40
Spigot castor	5.40
35mm Base jack	6.5



FRAME

STEEL BOARD

PLAN BRACE

BASE JACK

ESTIMATING CHART USING 3m STANDARDS

(Note: Standards can be manufactured with sleeves eliminating connector requirements)

ESTIMATING CHART FOR 3m STANDARDS

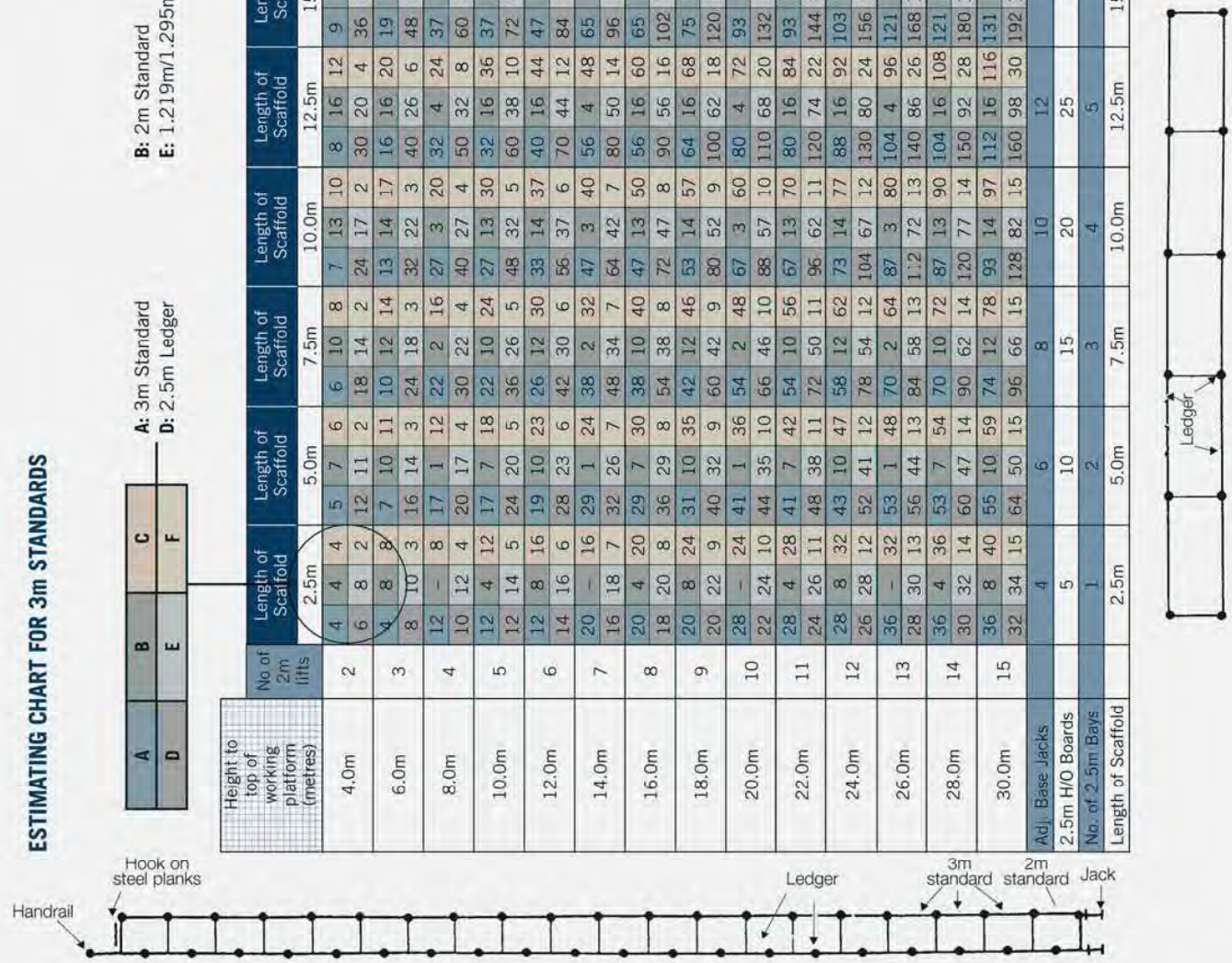
A	B	C
D	E	F

A: 3m Standard
D: 2.5m Ledger

B: 2m Standard
E: 1.219m/1.295m Ledger

C: Connectors
F: 2.5m x 2.0m Diagonal Brace

Height to top of working platform (metres)	No of 2m lifts	Length of Scaffold	Length of Scaffold	Length of Scaffold	Length of Scaffold	Length of Scaffold	Length of Scaffold	Length of Scaffold	Length of Scaffold	Length of Scaffold	Length of Scaffold	Length of Scaffold
		2.5m	5.0m	7.5m	10.0m	12.5m	15.0m	17.5m	20.0m	22.5m	25.0m	
4.0m	2	4 4 4	5 7 6	6 10 8	7 13 10	8 16 12	9 19 14	10 22 16	11 25 18	12 28 20	13 31 22	
		6 8 2	12 11 2	18 14 2	24 17 2	30 20 4	36 23 4	42 26 4	48 29 4	54 32 4	60 35 4	
6.0m	3	4 8 8	7 10 11	10 12 14	13 14 17	16 16 20	19 18 23	22 20 26	25 22 29	28 24 32	31 26 35	
		8 10 3	16 14 3	24 18 3	32 22 3	40 26 6	48 30 6	56 34 6	64 38 6	72 42 6	80 46 6	
8.0m	4	12 – 8	17 1 12	22 2 16	27 3 20	32 4 24	37 5 28	42 6 32	47 7 36	52 8 40	57 9 44	
		10 12 4	20 17 4	30 22 4	40 27 4	50 32 8	60 37 8	70 42 8	80 47 8	90 52 8	100 57 8	
10.0m	5	12 4 12	17 7 18	22 10 24	27 13 30	32 16 36	37 19 42	42 22 48	47 25 54	52 28 60	57 31 66	
		12 14 5	24 20 5	36 26 5	48 32 5	60 38 10	72 44 10	84 50 10	96 56 10	108 62 10	120 68 10	
12.0m	6	12 8 16	19 10 23	26 12 30	33 14 37	40 16 44	47 18 51	54 20 58	61 22 65	68 24 72	75 26 79	
		14 16 6	28 23 6	42 30 6	56 37 6	70 44 12	84 51 12	98 58 12	112 65 12	126 72 12	140 79 12	
14.0m	7	20 – 16	29 1 24	38 2 32	47 3 40	56 4 48	65 5 56	74 6 64	83 7 72	92 8 80	101 9 88	
		16 18 7	32 26 7	48 34 7	64 42 7	80 50 14	96 58 14	112 66 14	128 74 14	144 82 14	160 90 14	
16.0m	8	20 4 20	29 7 30	38 10 40	47 13 50	56 16 60	65 19 70	74 22 80	83 25 90	92 28 100	101 31 110	
		18 20 8	36 29 8	54 38 8	72 47 8	90 56 16	102 65 16	126 74 16	144 83 16	162 92 16	180 101 16	
18.0m	9	20 8 24	31 10 35	42 12 46	53 14 57	64 16 68	75 18 79	86 20 90	97 22 101	108 24 112	119 26 123	
		20 22 9	40 32 9	60 42 9	80 52 9	100 62 18	120 72 18	140 82 18	160 92 18	180 102 18	200 112 18	
20.0m	10	28 – 24	41 1 36	54 2 48	67 3 60	80 4 72	93 5 84	106 6 96	119 7 108	132 8 120	145 9 132	
		22 24 10	44 35 10	66 46 10	88 57 10	110 68 20	132 79 20	154 90 20	176 101 20	198 112 20	220 123 20	
22.0m	11	28 4 28	41 7 42	54 10 56	67 13 70	80 16 84	93 19 98	106 22 112	119 25 126	132 28 140	145 31 154	
		24 26 11	48 38 11	72 50 11	96 62 11	120 74 22	144 86 22	168 98 22	192 110 22	216 122 22	240 134 22	
24.0m	12	28 8 32	43 10 47	58 12 62	73 14 77	88 16 92	103 18 107	118 20 122	133 22 137	148 24 152	163 26 167	
		26 28 12	52 41 12	78 54 12	104 67 12	130 80 24	156 93 24	182 106 24	208 119 24	234 132 24	260 145 24	
26.0m	13	36 – 32	53 1 48	70 2 64	87 3 80	104 4 96	121 5 112	138 6 128	155 7 144	172 8 160	189 9 176	
		28 30 13	56 44 13	84 58 13	112 72 13	140 86 26	168 100 26	196 114 26	224 128 26	252 142 26	280 156 26	
28.0m	14	36 4 36	53 7 54	70 10 72	87 13 90	104 16 108	121 19 126	138 22 144	155 25 162	172 28 180	189 31 198	
		30 32 14	60 47 14	90 62 14	120 77 14	150 92 28	180 107 28	210 122 28	240 137 28	270 152 28	300 167 28	
30.0m	15	36 8 40	55 10 59	74 12 78	93 14 97	112 16 116	131 18 135	150 20 154	169 22 173	188 24 192	207 26 211	
		32 34 15	64 50 15	96 66 15	128 82 15	160 98 30	192 114 30	224 130 30	256 146 30	288 162 30	320 178 30	
Adj. Base Jacks		4	6	8	10	12	14	16	18	20	22	
2.5m H/O Boards		5	10	15	20	25	30	35	40	45	50	
No. of 2.5m Bays		1	2	3	4	5	6	7	8	9	10	
Length of Scaffold		2.5m	5.0m	7.5m	10.0m	12.5m	15.0m	17.5m	20.0m	22.5m	25.0m	



"We do what we say we will do - simple.
Focus, direction and purpose leads our team of professional and highly qualified design and sales engineers towards a common goal - to offer the right solution to our client.
A solution that is unmatched throughout Africa."

Group CEO, Steve Power

Finding a solution for our clients,
no matter the difficult challenges, the dynamic requirements and pressure of deadlines, is at the forefront of our **team's strategy.**


GHANA
BOTSWANA
NAMIBIA
SOUTH AFRICA

INTEGRATED NETWORK OF SPECIALIST INDUSTRIAL SOLUTIONS ACROSS SOUTHERN AFRICA

Over the last 30 years, our company has grown exponentially with a footprint that expands over 12 operating branches in SA, Botswana and Ghana. Our African Footprint is well established, particularly across Southern Africa and we are continuously looking to expand to cater to our customers' requirements. Please get in touch with us to find out more about our network.

Advanced designs
and systems for **efficient**
formwork and scaffolding
solutions throughout Africa.

SOUTH AFRICA
JHB Tel +27 (0) 11 462 8965
CPT Tel +27 (0) 21 522 9059
DBN Tel +27 (0) 32 947 0369
EL Tel +27 (0) 43 748 2684
Email sales@uni-span.co.za

GHANA
Tel +233 (0) 30 290 1529
Email info@unispanghana.com

BOTSWANA
Tel +267 (0) 390 9291
Email info@unispan.co.bw

uni-span.co.za

a Bud Group Company