

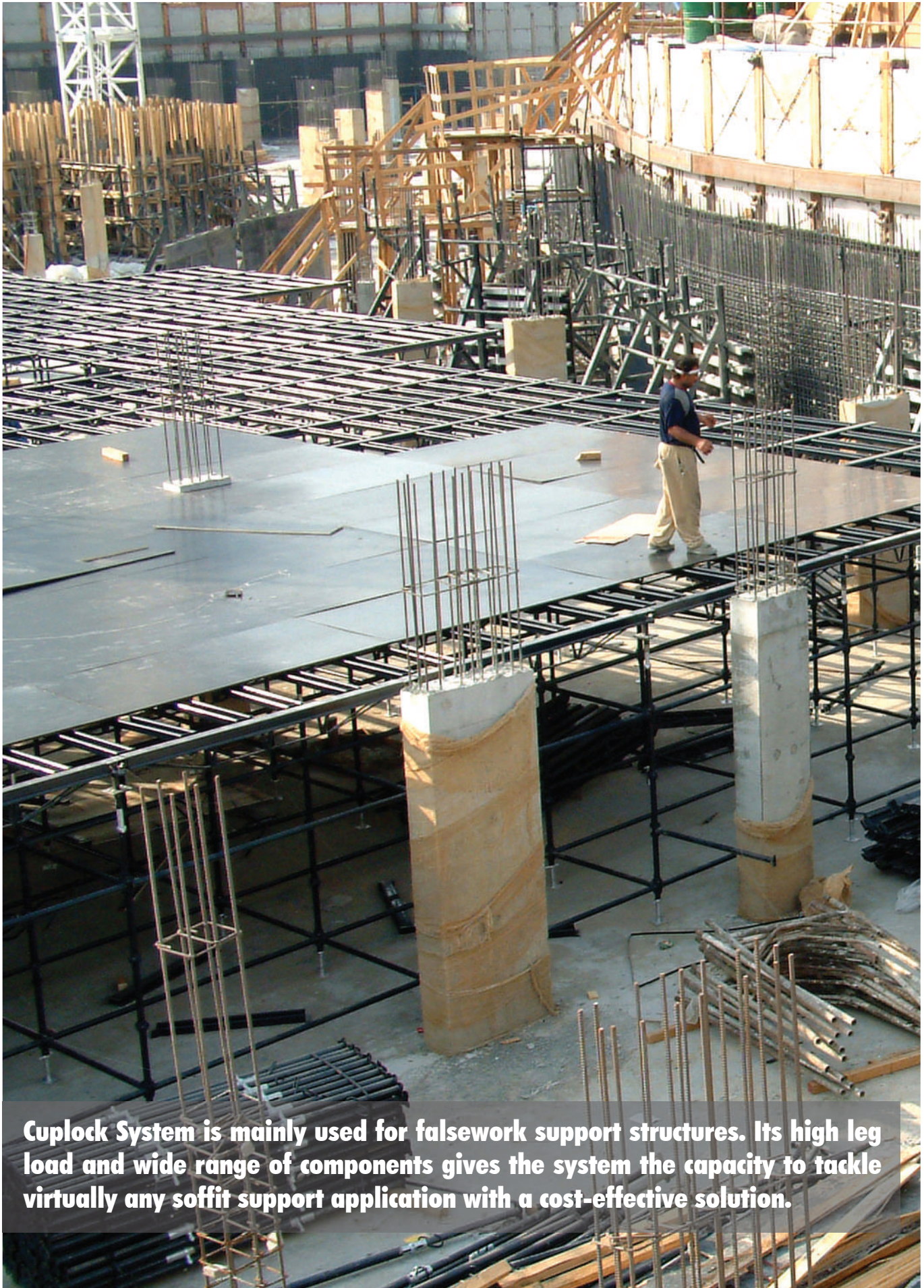


 **SCAFFCO**

Cuplock System

Cuplock System

The Most Economical Slab Formwork and Access Scaffold System



Cuplock System is mainly used for falsework support structures. Its high leg load and wide range of components gives the system the capacity to tackle virtually any soffit support application with a cost-effective solution.

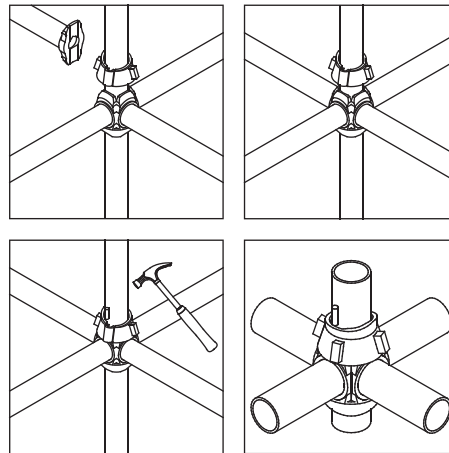
Scaffco Cuplock System is a multi-purpose steel scaffold system suitable for providing general access and supporting vertical loads. The system's key feature is its unique circular node point which allows up to 4 horizontals to be connected to a vertical in a single fastening action making it probably the fastest and safest system available. The comprehensive range of Cuplock System components allows it to be used for various construction applications. It can be used to create a wide range of support structures, access scaffolds, staircase towers, circular scaffolds, loading towers and mobile towers.

Scaffco Cuplock complies with following codes:

- EN12810
- EN12811

System Features

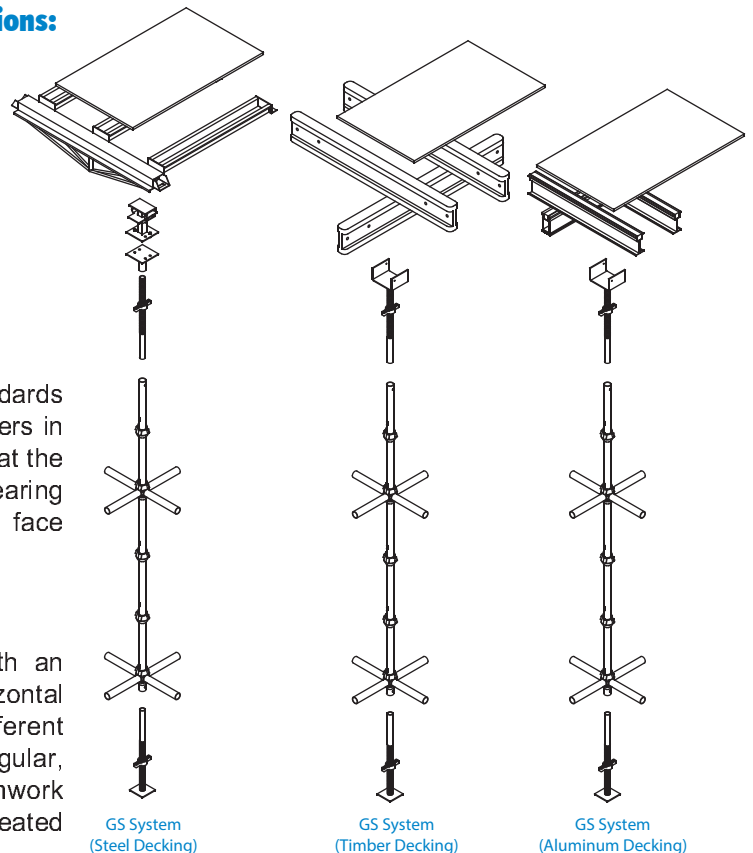
- High leg load
- Unique node point
- Quick erection
- Systemised bracing



Ledgers lift 2.0m: Up to 29kN Leg Capacity
 Ledgers lift 1.5m: Up to 40kN Leg Capacity
 Ledgers lift 1.0m: Up to 55kN Leg Capacity

Cuplock System is available in three decking options:

- Steel beams decking
(infill beams and decking beams)
- Timber beams decking
(H20 timber beams, LVL beams, traditional timber)
- Aluminum beams decking
(S150, T150 and T225 aluminum beams)



Easy to Assemble

A simple locking cup at each node point on the standards enables connection of the ends of up to four members in one locking action. With all four members attaching at the same level the system is ideal for load bearing construction applications as well as conventional face scaffolding.

Versatile in Use

It is suitable for access or formwork support with an extensive range of special applications. The horizontal members can be angled to suit many different applications. The system has been used in triangular, trapezium and is ideal for curved surfaces. For formwork support, a wide number of grid variations can be created to suite differing load requirements.

Robust Design with High Safety

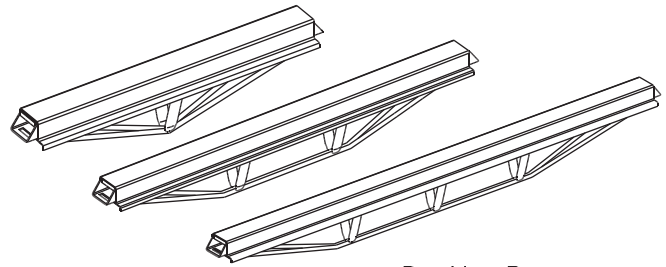
The Cuplock System has a proven performance history on an extensive number of sites, meeting the requirements of the various statutory bodies. A comprehensive range of accessories is available to cater for safety requirements such as guardrails, mesh panels, ladder access, stair access and components to provide overhead protection.



Steel Decking

Decking Beam

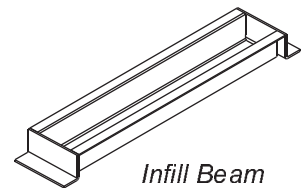
The primary beam that is used with the drop head to form the decking system. Made from sheeted components, and available in lengths of 1.2m, 1.8m and 2.5m.



Decking Beam

Infill Beam

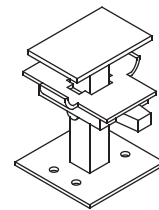
The infill beams span between the decking beams to support the plywood. Made from sheeted components and available in variable lengths from 0.50m upto 1.70m.



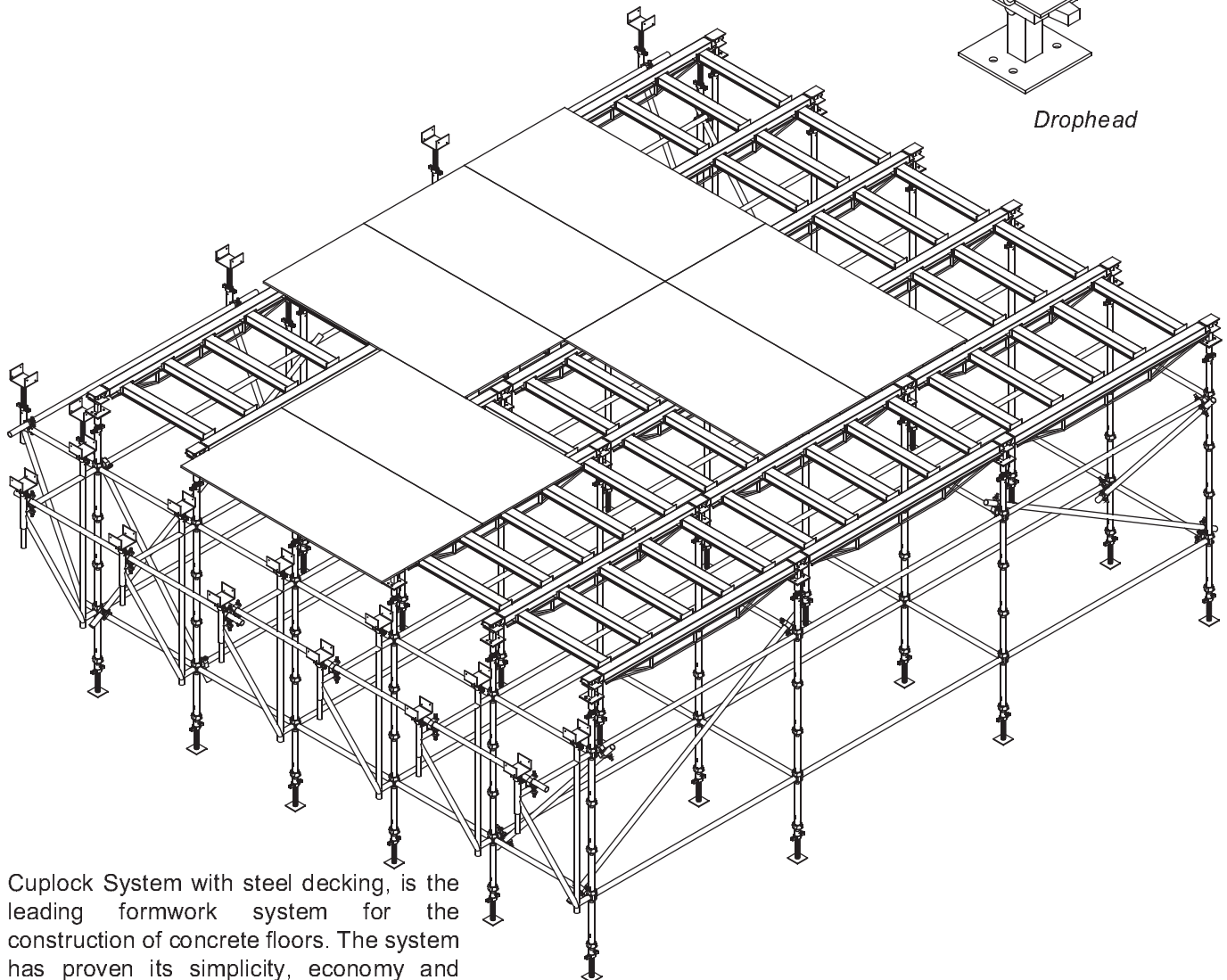
Infill Beam

Drophead

Drophead offers the facility for early striking of the formwork. The wedge plate on the drophead can be conveniently struck so that the drophead remains in position to support the slab, but the decking beams can be dismantled & assembled on next location enabling optimum utilisation of the formwork.



Drophead



Cuplock System with steel decking, is the leading formwork system for the construction of concrete floors. The system has proven its simplicity, economy and versatility for various site conditions.



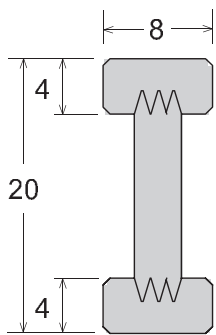
H20 Timber Beams Decking

H20 Timber Beam

The H20 beams are rounded at the end for damage protection with sealed ends and minimal cracking. The beam is robust made with three-ply web of solid wood (EN 13353).

H20 Product Range

Length: 190, 245, 250, 265, 275, 290, 300, 330, 360, 390, 450, 490, 590 cm, special lengths up to 12 m are possible.



Shear force $Q=11.0 \text{ kN}$

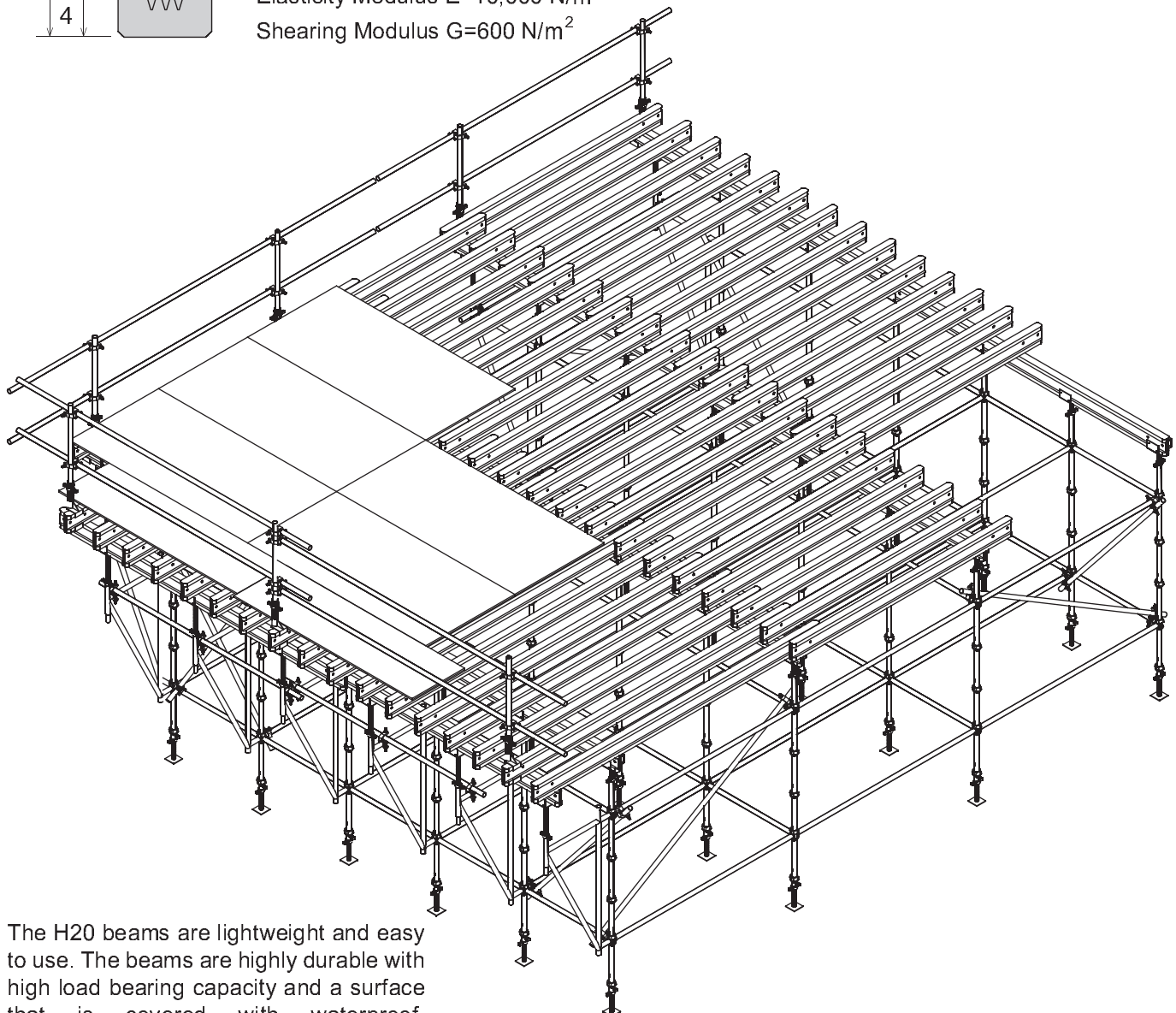
Bending Moment $M=5.0 \text{ kN}$

Section Modulus $S_x=461 \text{ cm}^3$

Moment of Inertia $I_x=4613 \text{ cm}^4$

Elasticity Modulus $E=10,000 \text{ N/m}^2$

Shearing Modulus $G=600 \text{ N/m}^2$



The H20 beams are lightweight and easy to use. The beams are highly durable with high load bearing capacity and a surface that is covered with waterproof, environmentally friendly impregnation.

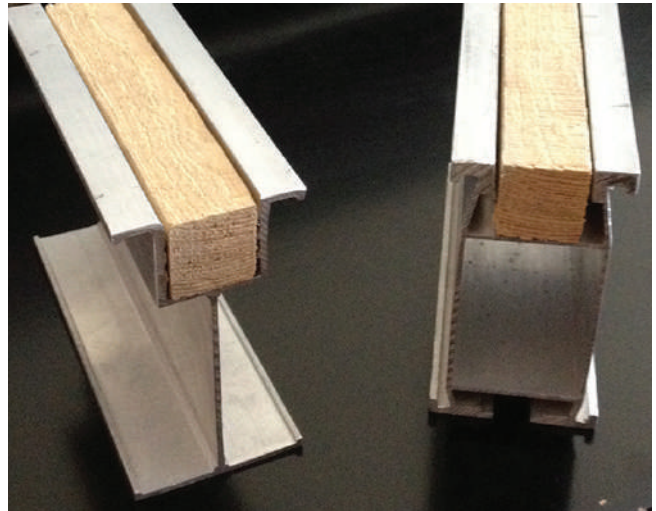


Aluminum Beams Decking

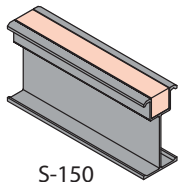
The benefits of aluminum formwork products compared with their steel and timber equivalents have had a major impact on formwork practice.

The light weight of aluminum beams which can weigh as little as one-third of their steel equivalent opens the way to greatly increased site acceptance and productivity. The corrosion resistance of aluminum ensures a long maintenance-free life, further extended by the fact that it cannot be easily cut up on site like timber beams.

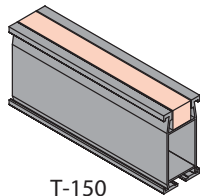
The two factors of productivity and long material life combine to explain the increasing trend towards the adoption of aluminum formwork system for both small and large sites.



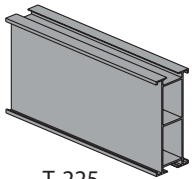
For soffit applications, the Cuplock System with aluminum beam S150 and T150 offer a choice of fast and economic support system with optimum performance. The beams can be combined in any permutation to produce a cost effective solution for every requirement.



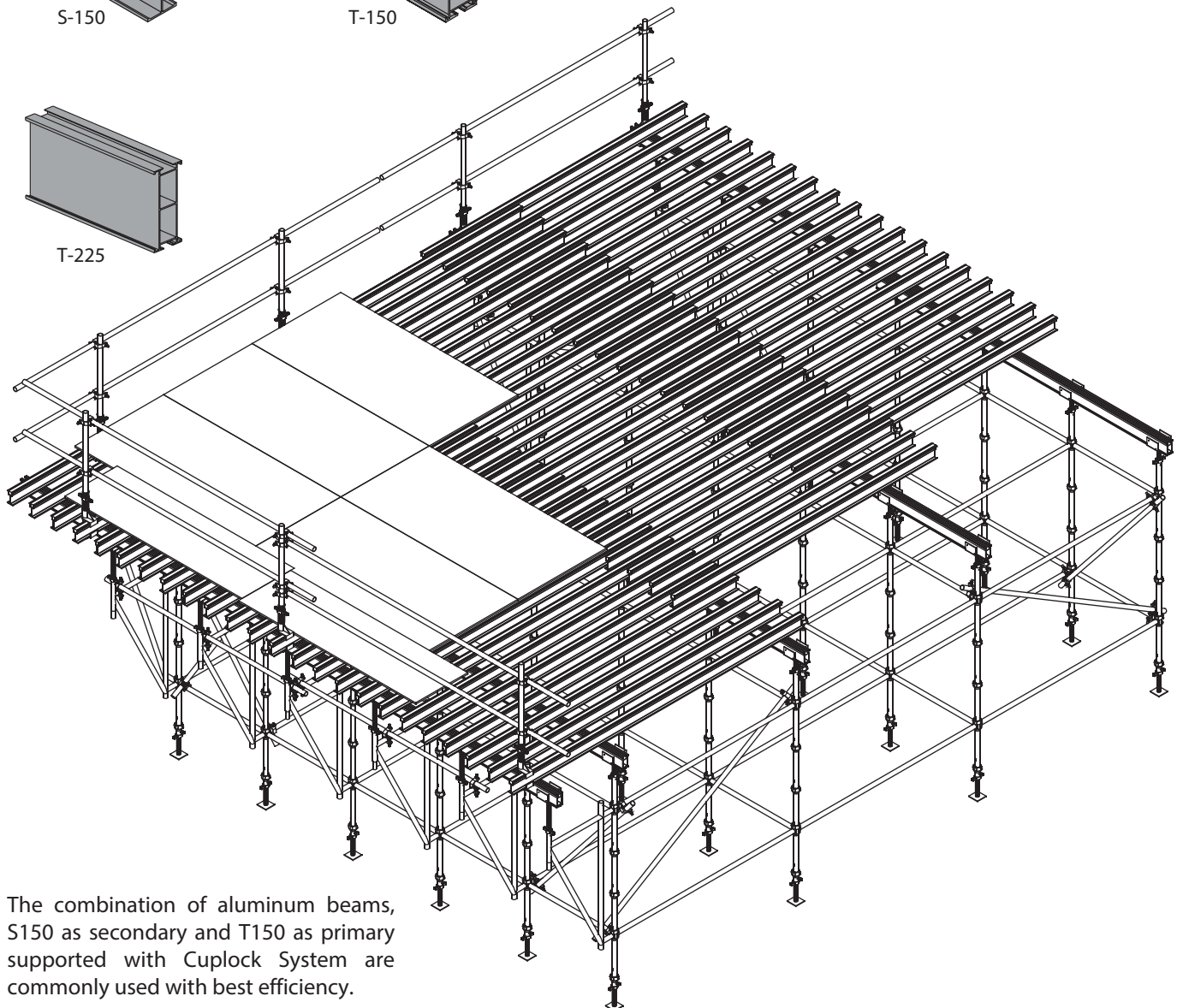
S-150



T-150



T-225



The combination of aluminum beams, S150 as secondary and T150 as primary supported with Cuplock System are commonly used with best efficiency.



Safe Working Loads for Supporting Structure

Safe, Fast, and Efficient Access and Load Bearing Scaffold for all Construction Requirements

The load carrying capacity of any support structure is dependent on several key factors:

- Spacing between standards
- Height from ground to soffit level
- Required jack extension
- Temporary access platforms within the structure
- Ground conditions
- Lift height
- Deck weight and live load
- Bracing

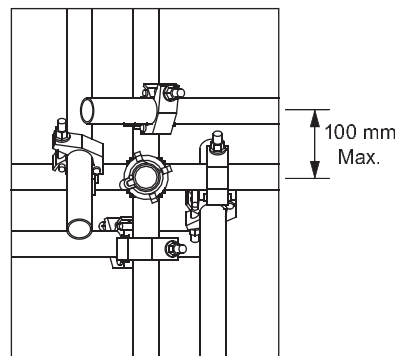
Cuplock System is suitable for support applications with 29kN leg loading when the vertical dimension between ledgers is at a maximum of 2m vertical centers. The leg load can be increased to 40kN when the maximum vertical distance between ledgers is limited to 1.5m, and 55kN leg load can be accommodated when ledgers are at 1.0m vertical centers.

Diagonal Bracing

Diagonal braces should be fixed to the ledgers as shown, as close to the node point as possible. The maximum gap between the side of the brace and the node point should be 100 mm. The bracing should be installed immediately after the erection of each lift to ensure that all bays are properly squared up. The quantity of bracing should be calculated, but a minimum amount must always be used. This requires one complete brace from the top to the bottom lacing level, on each row of standards, one in six bays in each direction.

Whenever GS System is used for support, bracing will be necessary to provide lateral stability, overall stability, erection stability and node point stability for the effective length of standards. Installing in bracing pattern often provides sufficient bracing to cover the other cases. The design of bracing and the horizontal restraint force required to be transmitted through the braces is specified in BS 5975.

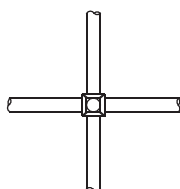
The BS 5975 specifies a minimum lateral stability criteria equivalent to the greater of either, 2.5 % of the vertical load in standards acting horizontally at the point of application of the load, or horizontal forces from wind, erection tolerances, non-verticality, concrete pressure and other forces acting as described in the code. The SWL of the couplers is 6.25kN, this being the slip capacity of the connection in tension or compression. The requirement to brace the adjustable U-heads and base jacks will be dependant in their individual extensions and the load being carried, and is detailed in the side figures. It is assumed that the standards are connected by ledgers and braced at the uppermost and lowest node points.



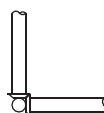
Diagonal Bracing Pattern

External Standards

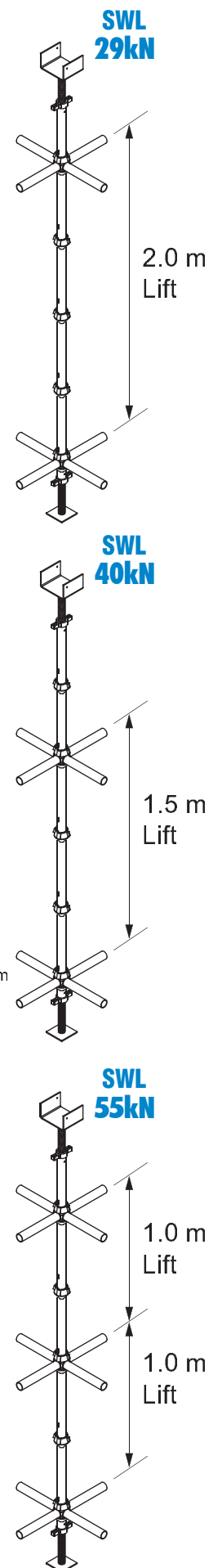
The loading capacities shown are based on the inner standards which are restrained in four directions. For external standards restrained in either three or two directions the safe working loads are reduced by 20%.



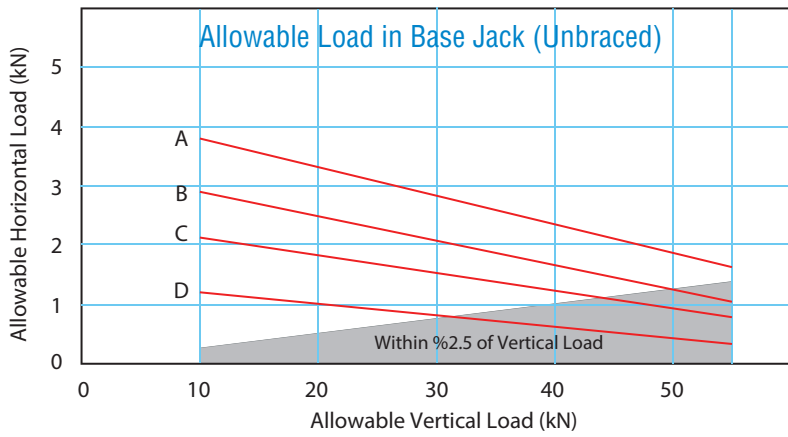
Internal standard



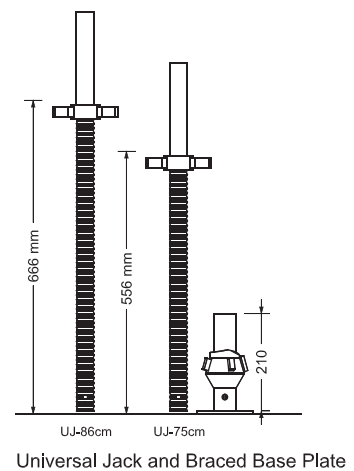
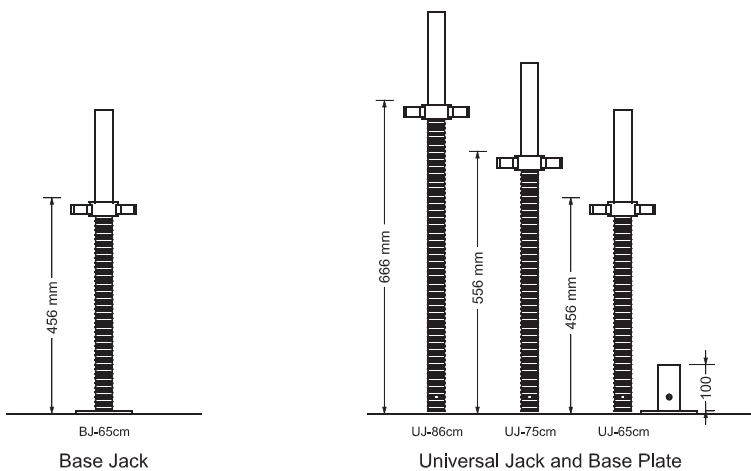
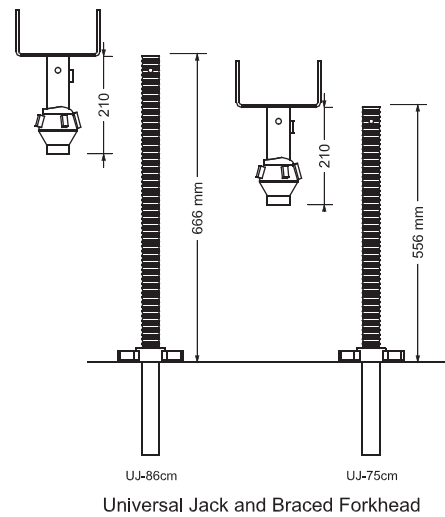
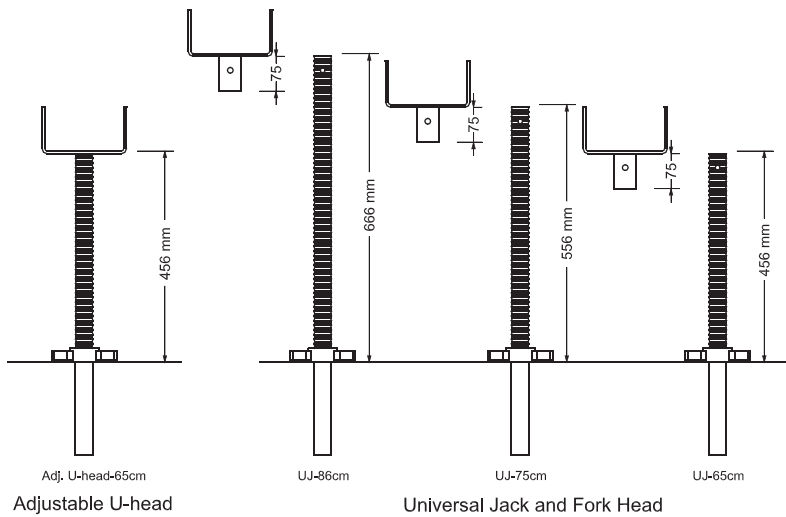
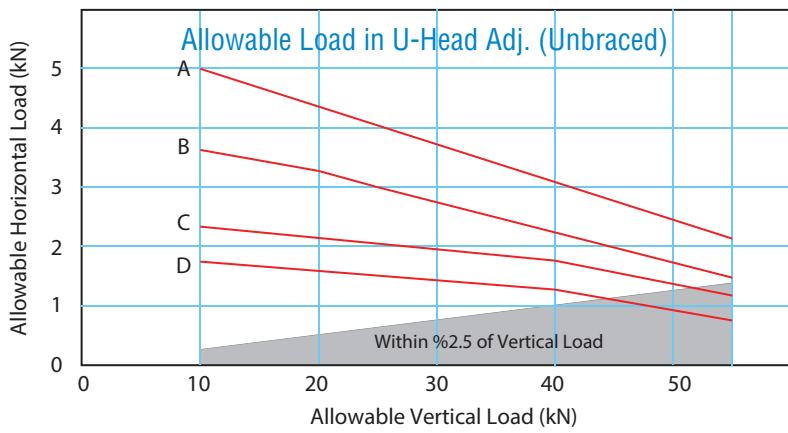
External standard







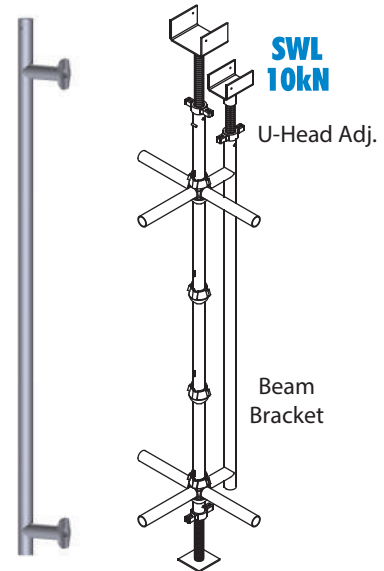
Jack Extension
A= 10 cm
B= 20 cm
C= 30 cm
D= 40 cm





Beam Bracket

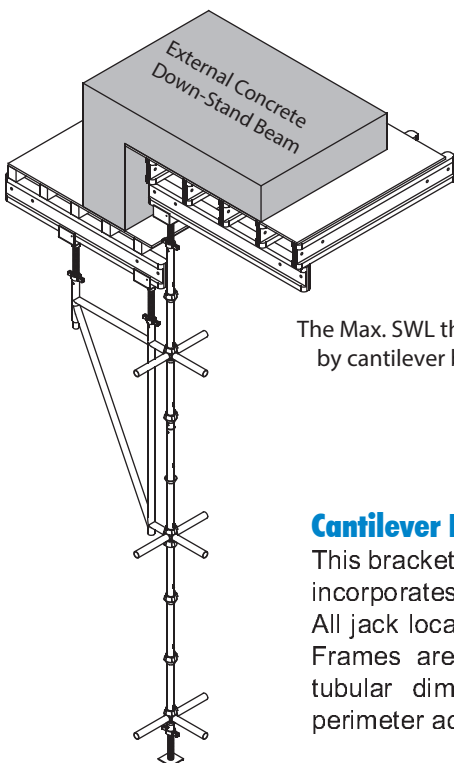
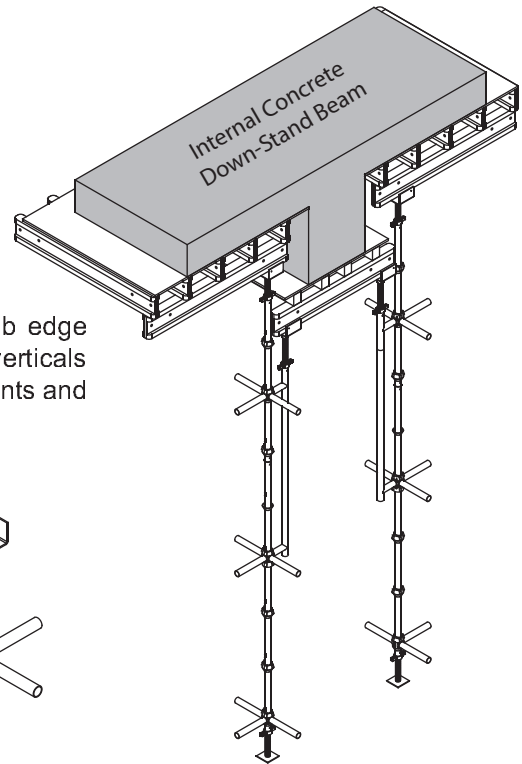
Beam bracket eliminates full height propping to beam formwork by locating on to slab support verticals. The beam bracket distributes the load throughout the surrounding scaffold structure. Normally, Beam Brackets are used to support internal down-stand beam. The use of beam bracket with jacks accepting beam spanning from one bracket to another can avoid the need of ground based support. Thus saving all the components that would normally be needed below to transfer the beams load to the ground.



The Max. SWL that can be supported by beam Bracket =10 kN

Cantilever Beam Frame

To provide extra support at the edge of construction, especially slab edge formwork, the cantilever beam frame can be attached directly to the verticals at the node points. The frames have blade ends for locating the cup joints and can accept jacks.

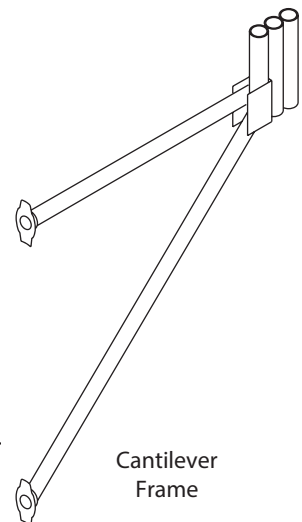


Cantilever Beam Frame

The Max. SWL that can be supported by cantilever beam frame =10 kN

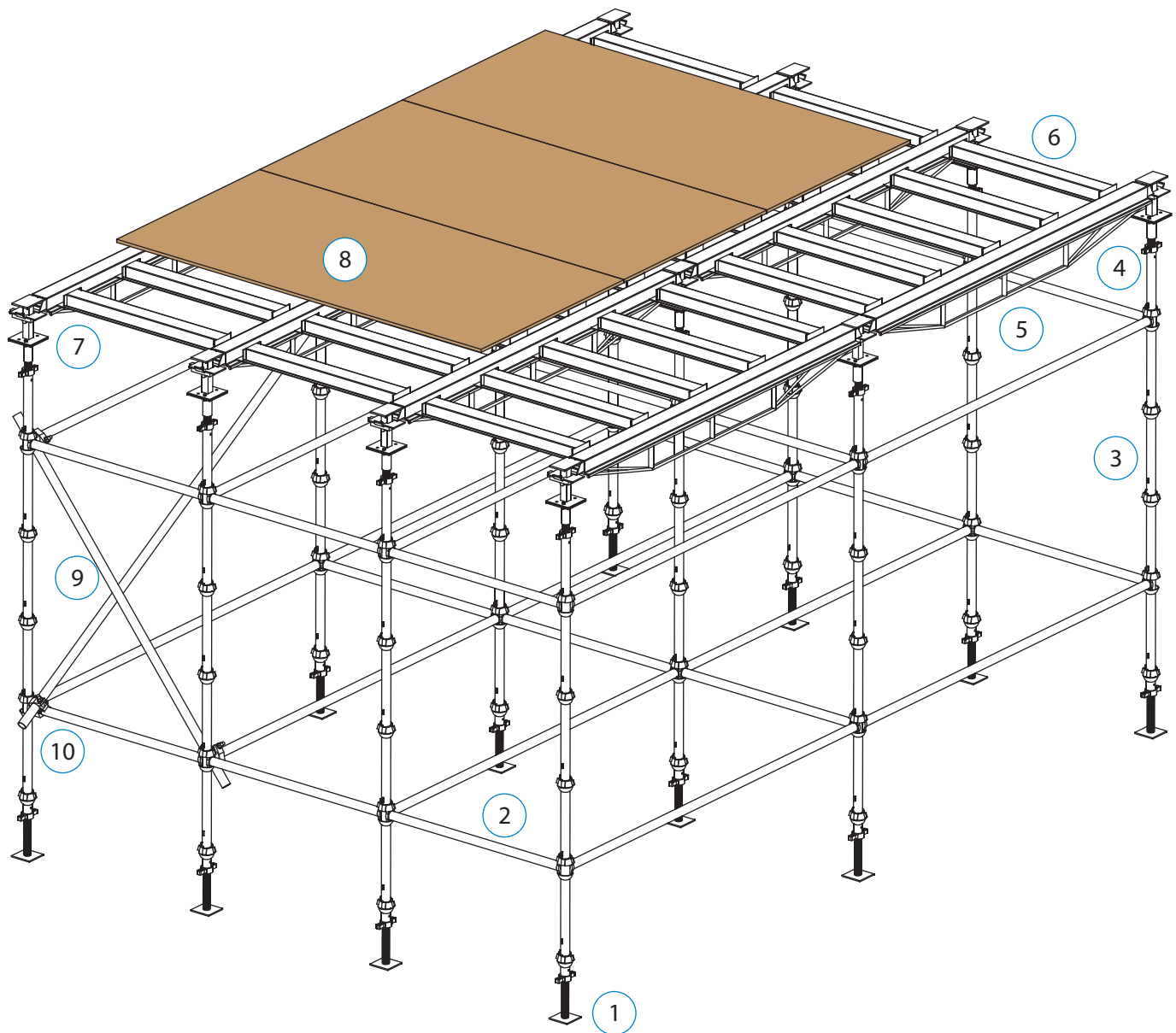
Cantilever Frame

This bracket is designed for supporting cantilever edge slabs and incorporates 3 Jack locations at centres of 1.2, 1.25 and 1.3m. All jack locations can be utilised for traditional primary timbers. Frames are located in the cup joints. They are of standard tubular dimension and can be laced together if used for perimeter access on support scaffolds.

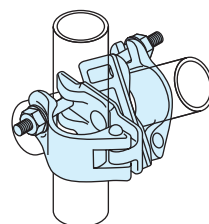




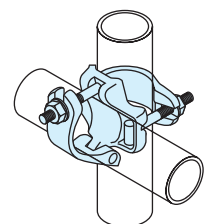
Cuplock System is mainly used for falsework support structures. Its high leg load and wide range of components gives the system the capacity to tackle virtually any soffit support application with a cost-effective solution. For formwork support, a wide number of grid variations can be created to suit differing load requirements. The core components of the system are summarised hereafter.



No.	Item Description
1	Base Jack
2	Ledger
3	Standard
4	Universal Jack
5	Decking Beam
6	Infill Beam
7	Drop Head & Socket Adapter
8	18mm Plywood
9	Diagonal Brace (48.3mm Scaffold Tube)
10	Swivel Coupler



Swivel coupler



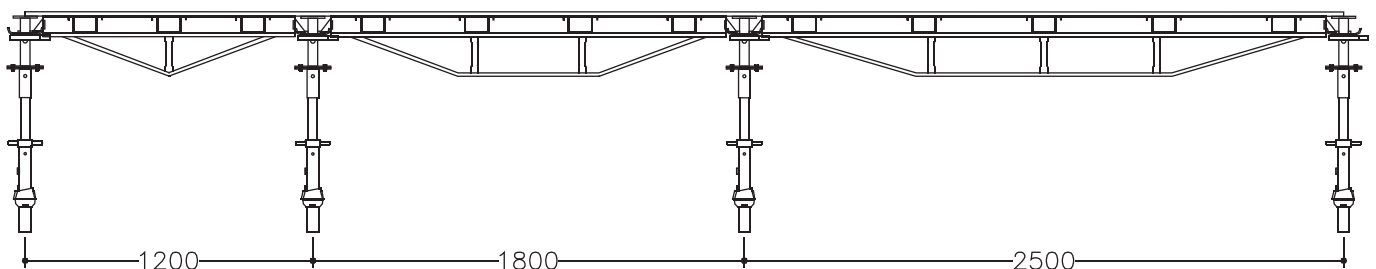
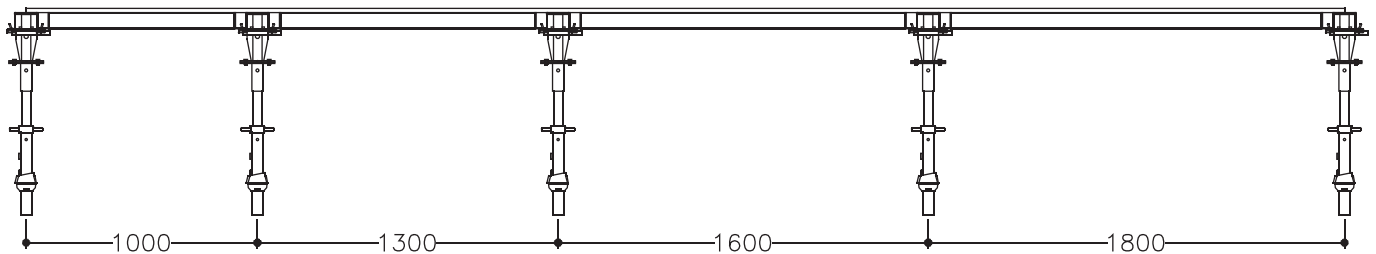
Double coupler

Diagonal Bracing

Bracing can be provided with tubes and couplers. The correct amount of bracing shall be calculated, however a minimum amount must always be used.

Decking Beam Size (m)	Ledger Size (m)	Area (m) ²	Max. Slab Thickness (cm)	
			Solid Slab	Hollow Slab
2.5	1.8	4.5	27.5	34.4
2.5	1.6	4.0	32.0	40.0
2.5	1.3	3.3	41.2	51.5
1.8	1.8	3.2	41.4	51.7
2.5	1.2	3.0	45.3	56.7
1.8	1.6	2.9	47.5	59.4
2.5	1.1	2.8	50.2	62.7
2.5	1.0	2.5	56.0	70.0
1.8	1.3	2.3	60.4	75.5
2.5	0.9	2.3	63.1	78.9
1.8	1.2	2.2	66.1	82.6
1.2	1.8	2.2	66.1	82.6
2.5	0.8	2.0	72.0	90.0
1.8	1.1	2.0	72.8	91.0
1.2	1.6	1.9	75.3	94.2
1.8	1.0	1.8	80.9	101.1
1.8	0.9	1.6	90.8	113.4
1.2	1.3	1.6	94.6	118.2
2.5	0.6	1.5	98.7	123.3
1.8	0.8	1.4	103.1	128.9
1.2	1.2	1.4	103.1	128.9
1.2	1.1	1.3	113.2	141.5
1.2	1.0	1.2	125.3	156.7
1.8	0.6	1.1	140.1	175.2
1.2	0.9	1.1	140.1	175.2
1.2	0.8	1.0	158.7	198.3
1.2	0.6	0.7	214.2	267.8

- Concrete Unit Weight (Solid) = 2500 kg/m³
- Concrete Unit Weight (Hollow) = 2000 kg/m³
- Live Load = 200 kg/m²

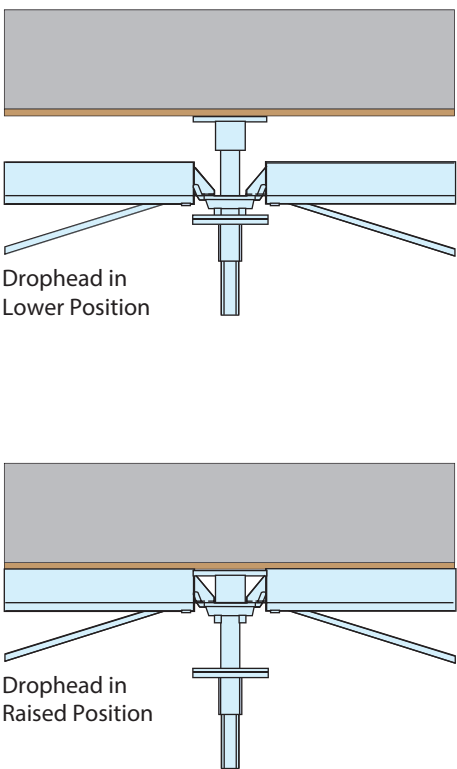


Early Striking with GS System

Early striking is a technique whereby the formwork is removed 3 to 4 days after pouring a slab, but the supporting structure of scaffolding or props remains undisturbed until the concrete is strong enough to support its own weight over its full span.

Concrete generally takes 28 days to attain its full constructional design strength. Most engineers will only permit the complete support to be removed after about 10 to 14 days, depending on the ambient temperature and cube strength tests.

Tests and studies show that the strength capacity of the slab at 3 days spanning the short distances between the temporary supports is certainly greater than that 10 to 14 day over its full span. Based on that fact, early striking of the decking elements while propping elements are kept undisturbed supporting the early age slab is possible. Studies further show that the expected stress in early striking slab resulting by punching shear of the drophead of the GS System is totally not critical.

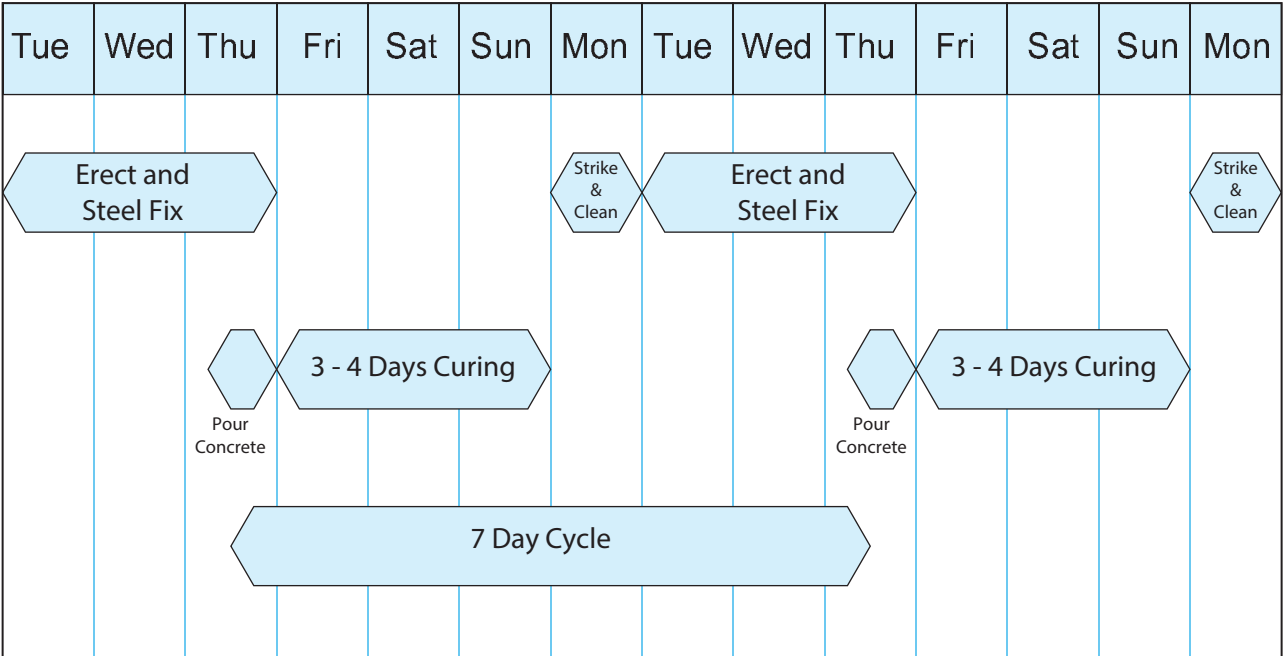


Cycle of Operations

An effective cycle depends on the equipment used, the management of labour and the careful planning of the site operation. A typical 7 days cycle would be as follows:

- Tuesday: Commence erection of formwork
- Wednesday: Continue formwork erection completing make-up with infill and commence steel fixing
- Thursday: Complete steel fixing and pour concrete
- Friday, Saturday & Sunday: Curing time for concrete
- Monday: Strike GS System decking elements and clean formwork for Tuesday when cycle is repeated.

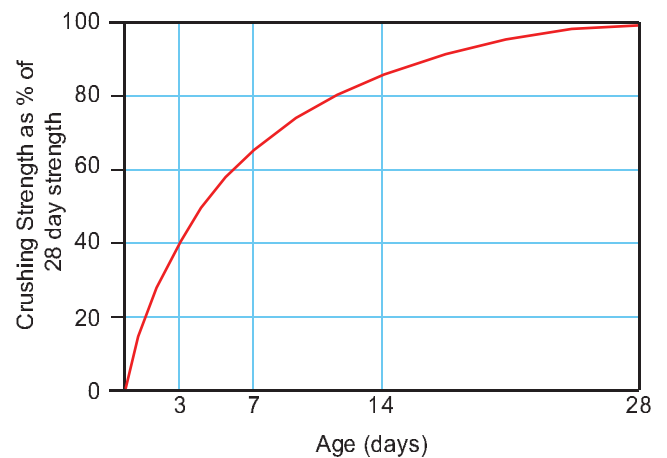
This cycle will ensure minimum lost working days, as curing occurs over a weekend. If, however, this is not possible a cycle time of approximately 9 days can be achieved (3 cycles in every 4 weeks) allowing a day for initial erection.



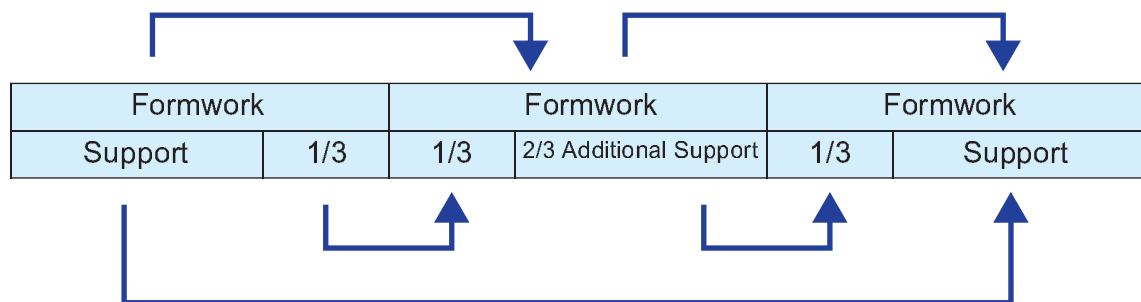
Multi-Story Buildings: How it works in practice?

A full complement of Cuplock system (propping & decking) is used for floor A. 3 to 4 days after pouring concrete the decking elements may be struck for re-use on floor B while the support (propping elements) remains in place during the rest of the curing period. In practice it is found that supports around columns and close to walls and beams can be removed and this amounts to about 1/3 that are free for re-use. Therefore an approximate additional 2/3 of support will be required for floor B, (the ideal Cuplock System for 1 week floor cycle is one set of decking and 2 sets of propping).

3 to 4 days after pouring floor B the formwork may be removed for use on floor C. About 1/3 of the support from floor B is removed along with the total support for floor A which will have cured for 14 days. This cycle is repeated for further floors.



Concrete Curing



Erection and Dismantling Procedure of Early Striking with GS System

Erection Procedure:

A- Place adjustable base jacks at even intervals on ground.

B- Put a standard onto a base jack and place two ledgers in its lower cup. The ledgers should form a 90 degree angle. Place the upper cup of the standard over the two blade ends. Do not tighten.

C- Put a second standard on another base jack with the previously assembled ledger. Fix its blade end into the cup of this standard. Follow the same procedure for the third time to form a right angle.

D- Complete rectangle with a fourth standard and another two ledgers. Add four ledgers to the top. Now tighten the structure fully.

E- Assemble two braces diagonally and add the universal jacks and drophead on the top of the completed supporting grid.

F- Add the decking beams and infill beams. Tighten joints. To assemble Cuplock System, remove the drophead from the universal jack at one end, and attach it to the beam. The finished beam complete with drophead can be raised and lowered over the jack.





Dismantling Procedure:

Whether the early striking technique is followed or not, the procedure for dismantling is the same. Decking beams and infill beams can be dismantled by striking the drophead wedge. This striking causes the beams to drop only about 115mm, which gives enough clearance for removing the infill beams.

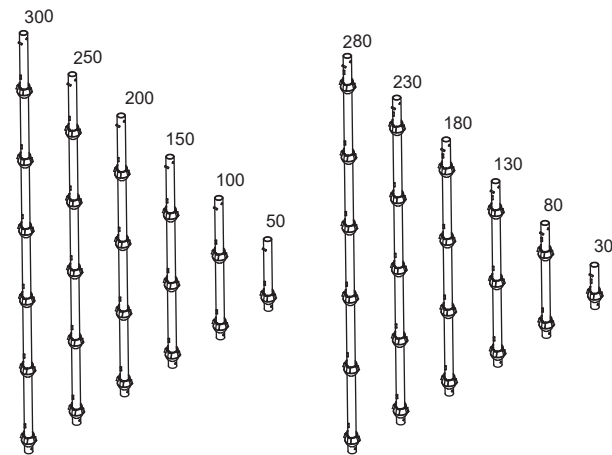
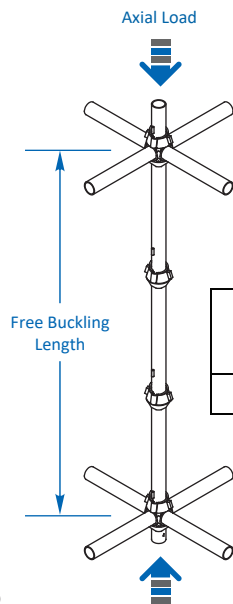
After striking the drophead wedge the decking and infill beams can be taken away as the concrete soffit is supported and left untouched during the curing period. The beams can then be re-used for another concrete structure, needing only another set of supporting components.

Complete safety in the dismantling procedure is ensured because decking beams and infill beams cannot fall; after striking it must be removed manually.

Standard and Ledger Sizes

Cuplock Standard

The standards are economical and can match any propping or access applications. Made from the highest quality steel the upper cups can be moved, while the lower cups are welded into position. Spigot joints can be attached to the holes drilled in the standards if needed. The standards are available in variable sizes.

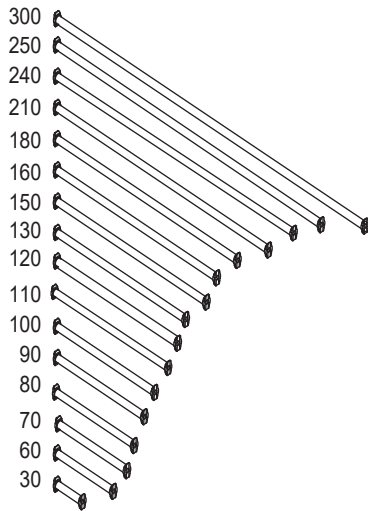
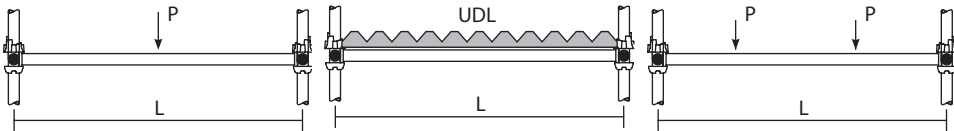


Section Properties

Outer Diameter (mm)	Nominal Wall Thickness (mm)	Cross Sectional Area (mm ²)	Moment of Inertia (mm ⁴)	Modulus of Elasticity (N/mm ²)	Steel Grade (N/mm ²)
48.3	3.2	453.39	115,856.50	210,000	S235

Cuplock Ledger

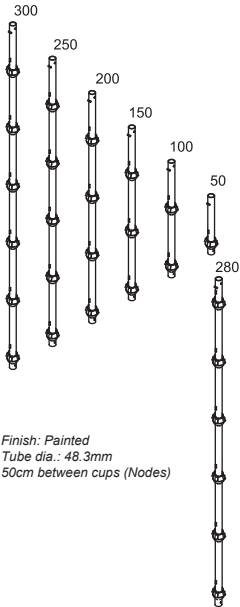
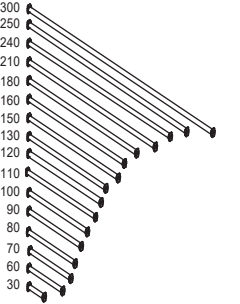
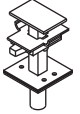
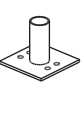
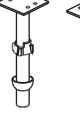
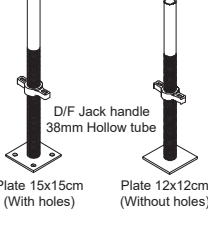
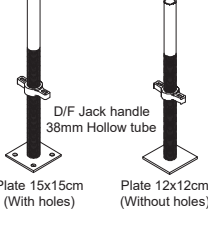
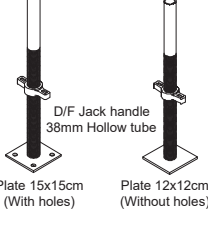
Only the highest quality steel tubes are used for the ledgers. To avoid any potential damage they have identical forged ends with a minimum of projection. Ledgers are available in sizes ranging from 30 cm up to 300 cm.

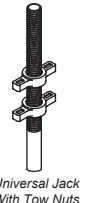


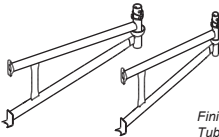
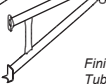
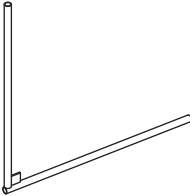
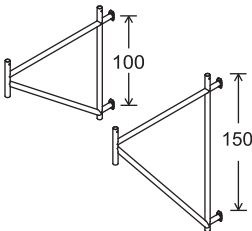
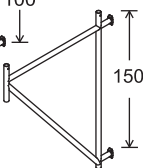
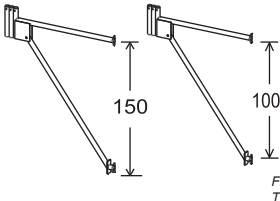
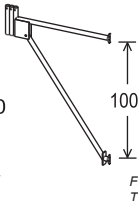
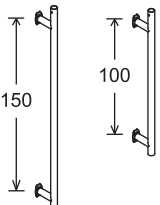
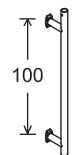
Ledger Size (m)	Central Point Load (kN)	U.D.L (kN/m)	Two Equally Spaced Point Load (kN)
Ledger 2.5	1.71	2.70	1.29 (Each)
Ledger 1.8	3.40	-	-
Ledger 1.6	3.52	-	-
Ledger 1.2	3.70	-	-
Ledger 0.9	4.80	-	-

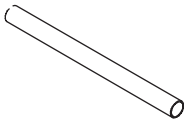
Note: The above S.W.L. incorporates safety factor of 2.0.

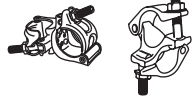
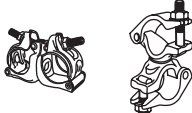


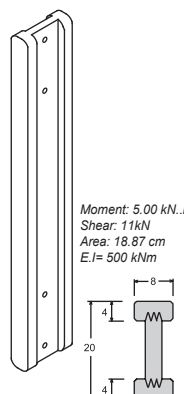
		Wt. (kg)	Code
Standard			
	Standard 300 cm	13.80	FGS01P30300
	Standard 250 cm	11.50	FGS01P30250
	Standard 200 cm	9.20	FGS01P30200
	Standard 150 cm	6.90	FGS01P30150
	Standard 100 cm	4.61	FGS01P30100
	Standard 050 cm	2.31	FGS01P30050
	Standard 280 cm	13.13	FGS01P30280
	Standard 230 cm	10.83	FGS01P30230
	Standard 180 cm	8.53	FGS01P30180
	Standard 130 cm	6.23	FGS01P30130
	Standard 080 cm	3.94	FGS01P30080
	Standard 070 cm	2.98	FGS01P30070
	Standard 030 cm	1.64	FGS01P30030
	Standard 220 cm	10.83	FGS01P30220
	Standard 170 cm	8.53	FGS01P30170
	Standard 120 cm	6.23	FGS01P30120
	Standard 090 cm	3.94	FGS01P30090
	Standard 060 cm	2.98	FGS01P30060
Finish: Painted Tube dia.: 48.3mm 50cm between cups (Nodes)			
Ledger			
	Ledger 300 cm	9.64	FGS02P28300
	Ledger 250 cm	8.07	FGS02P28250
	Ledger 240 cm	7.76	FGS02P28240
	Ledger 210 cm	6.81	FGS02P28210
	Ledger 200 cm	6.50	FGS02P28200
	Ledger 180 cm	5.87	FGS02P28180
	Ledger 160 cm	5.24	FGS02P28160
	Ledger 150 cm	4.93	FGS02P28150
	Ledger 130 cm	4.30	FGS02P28130
	Ledger 120 cm	3.99	FGS02P28120
	Ledger 110 cm	3.67	FGS02P28110
	Ledger 100 cm	3.36	FGS02P28100
	Ledger 090 cm	3.04	FGS02P28090
	Ledger 080 cm	2.73	FGS02P28080
	Ledger 070 cm	2.42	FGS02P28070
	Ledger 060 cm	2.10	FGS02P28060
	Ledger 030 cm	1.16	FGS02P28030
Finish: Painted Tube dia.: 48.3mm Ledger size is defined as center to center of standards			
GS Drophead			
	GS Drophead 20 cm (3.0)	5.26	FGS05P3020
	GS Drophead 20 cm (2.8)	5.22	FGS05P2820
With 4 Bolts M10x30mm + Safety pin M6x40 mm Bolt & nut Finish: Painted			
GS Drophead Welded with Socket Base			
	GS Drophead 20 cm (3.0) Welded with Socket Base	5.53	FGS05P3030SB
	GS Drophead 20 cm (2.8) Welded with Socket Base	5.49	FGS05P2830SB
With Softy Pin - M6x40mm Bolt & Nut			
Socket Base Adaptor (SBA)			
	SBA Painted	1.38	FGS11P2815
	SBA Painted	1.41	FGS11P3015
	SBA Painted	1.43	FGS11P3215
	Adaptor 30 cm Painted	2.65	FGS11P3030
	Adaptor 36 cm Painted	2.85	FGS11P3036
	Adaptor 30 cm Painted	2.71	FGS11P3230
	Adaptor 36 cm Painted	2.92	FGS11P3236
Base Jack (BJ)			
	Painted		
	BJ 65cm H-P 12x12cm-38 Dia.	3.16	FBJN38HP1265
	BJ 65cm H-P 15x15cm-38 Dia.	3.52	FBJN38HP1565
	BJ 76cm H-P 12x12cm-38 Dia.	3.51	FBJN38HP1276
	Electroplated		
	BJ 65cm H-E 12x12cm-38 Dia.	3.16	FBJN38HE1265
	BJ 65cm H-E 15x15cm-38 Dia.	3.52	FBJN38HE1565
	BJ 76cm H-E 12x12cm-38 Dia.	3.51	FBJN38HE1276
			
	BJ 76cm H-E 15x15cm-38 Dia.	3.87	FBJN38HE1576

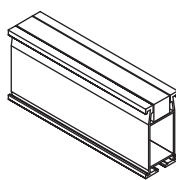
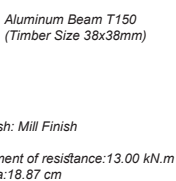
	Wt. (kg)	Code
Universal Jack (UJ)		
	UJ - 65 cm Painted	2.51 FUJN38HP65
	UJ - 76 cm Painted	2.87 FUJN38HP76
	UJ - 86 cm Painted	3.19 FUJN38HP86
	UJ - 65 cm EP	2.51 FUJN38HE65
	UJ - 76 cm EP	2.87 FUJN38HE76
	UJ - 86 cm EP	3.19 FUJN38HE86
	UJ - 65 cm Painted W/Hole	2.51 FUJN38HP65
	UJ - 76 cm Painted W/Hole	2.87 FUJN38HP76
	UJ - 86 cm Painted W/Hole	3.19 FUJN38HP86
	UJ - 65 cm EP W/Hole	2.51 FUJN38HE65
	UJ - 76 cm EP W/Hole	2.87 FUJN38HE76
	UJ - 86 cm EP W/Hole	3.19 FUJN38HE86
Universal jack with Two Nut (UJ - TN)		
	UJ - TN 65 cm Painted	2.94 FUJN38HP65TN
	UJ - TN 76 cm Painted	3.30 FUJN38HP76TN
	UJ - TN 65 cm EP	2.94 FUJN38HE65TN
	UJ - TN 76 cm EP	3.30 FUJN38HE76TN
	UJ - TN 65 cm Painted W/Hole	2.94 FUJN38HP65TNH
	UJ - TN 76 cm Painted W/Hole	3.30 FUJN38HP76TNH
	UJ - TN 65 cm EP W/Hole	2.94 FUJN38HE65TNH
	UJ - TN 76 cm EP W/Hole	3.30 FUJN38HE76TNH
GS Decking Beam (DB)		
	GS DB 250 cm	22.81 FGS03P25250
	GS DB 200 cm	18.40 FGS03P25200
	GS DB 180 cm	16.75 FGS03P25180
	GS DB 120 cm	11.52 FGS03P25120
Finish: Painted		
GS Infill Beam (IB)		
	GS IB 170 cm Painted	7.50 FGS15P18170
	GS IB 150 cm Painted	6.71 FGS15P18150
	GS IB 140 cm Painted	6.31 FGS15P18140
	GS IB 120 cm Painted	5.52 FGS15P18120
	GS IB 110 cm Painted	5.13 FGS15P18110
	GS IB 100 cm Painted	4.73 FGS15P18100
	GS IB 090 cm Painted	4.33 FGS15P18090
	GS IB 080 cm Painted	3.94 FGS15P18080
	GS IB 070 cm Painted	3.54 FGS15P18070
	GS IB 060 cm Painted	3.15 FGS15P18060
	GS IB 050 cm Painted	2.75 FGS15P18050
Finish: Painted		
GS Spigot Connector (SC)		
	GS SC Round with Bolts - P	0.98 FSCRBPO1
	GS SC Square with Bolts - P	0.68 FSCSBPO1
	GS SC W/ washer - P	0.70 FSCSWPO1
	GS SC W/ washer & Bolts - P	0.84 FSCSWPO2
	GS SC Round with Bolts - EP	0.98 FSCRBE01
	GS SC Square with Bolts - EP	0.68 FSCSBE01
	GS SC W/ washer - EP	0.70 FSCSWE01
	GS SC W/ washer & Bolts - EP	0.84 FSCSWE02
Attached to the standards with M9x75 mm bolt & nut (half threaded)		
GS U-Head Adjustable (UHA)		
	Painted	
	GS UHA 38H:65 cm:10x10x15 P	4.59 FUHA38H65P101015
	GS UHA 38H:65 cm:10x17x15 P	5.06 FUHA38H65P101715
	GS UHA 38H:65 cm:10x17x20 P	5.91 FUHA38H65P101720
	GS UHA 38H:65 cm:10x19x20 P	6.09 FUHA38H65P101920
	GS UHA 38H:65 cm:10x21x20 P	6.27 FUHA38H65P102120
	GS UHA 38H:76 cm:10x10x15 P	4.95 FUHA38H76P101015
	GS UHA 38H:76 cm:10x17x15 P	5.42 FUHA38H76P101715
	GS UHA 38H:76 cm:10x17x20 P	6.27 FUHA38H76P101720
	GS UHA 38H:76 cm:10x19x20 P	6.45 FUHA38H76P101920
	GS UHA 38H:76 cm:10x21x20 P	6.62 FUHA38H76P102120
	Electroplated	
	GS UHA 38H:65 cm:10x10x15 E	4.59 FUHA38H65E101015
	GS UHA 38H:65 cm:10x17x15 E	5.06 FUHA38H65E101715
	GS UHA 38H:65 cm:10x17x20 E	5.91 FUHA38H65E101720
	GS UHA 38H:65 cm:10x19x20 E	6.09 FUHA38H65E101920
	GS UHA 38H:65 cm:10x21x20 E	6.27 FUHA38H65E102120
	GS UHA 38H:76 cm:10x10x15 E	4.95 FUHA38H76E101015
	GS UHA 38H:76 cm:10x17x15 E	5.42 FUHA38H76E101715
	GS UHA 38H:76 cm:10x17x20 E	6.27 FUHA38H76E101720
	GS UHA 38H:76 cm:10x19x20 E	6.45 FUHA38H76E101920
	GS UHA 38H:76 cm:10x21x20 E	6.62 FUHA38H76E102120
Finish: Painted or electroplated		

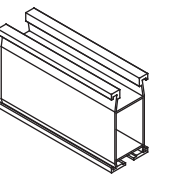
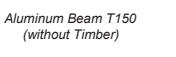
Base Plate (BP)			Wt. (kg)	Code	Hop-Up Bracket			Wt. (kg)	Code	
 Plate 15x15cm (With holes)  Plate 12x12cm (Without holes)			BP 12x12x0.57 MD (Dia-27x2.0x100) Painted	0.77	FBP27HP1012	 Hop-Up Bracket - 3 Boards  Hop-Up Bracket - 2 Boards Finish: Painted Tube dia.: 48.3mm			7.12	FGS09P283
			BP 15x15x0.57 MD (Dia-27x2.0x100) Painted	1.13	FBP27HP1015				5.77	FGS09P282
			BP 12x12x0.78 HD (Dia-38x3.8x100) Painted	1.22	FBP38HP1012					
			BP 15x15x0.78 HD (Dia-38x3.8x100) Painted	1.71	FBP38HP1015					
GS Forkhead (FH)										
 48.3mm Hollow tube Attached with M9x75mm bolt & nut (half threaded) Finish: Painted			GS FH 48H/12 Size: 10x10x15-Painted	2.48	FFH48H12P101015	 GS Guardrail Frame			10.26	FGS99P001
			GS FH 48H/12 Size: 10x17x15-Painted	2.95	FFH48H12P101715					
			GS FH 48H/12 Size: 10x17x20-Painted	3.80	FFH48H12P101720					
			GS FH 48H/12 Size: 10x19x20-Painted	3.98	FFH48H12P101920					
			GS FH 48H/12 Size: 10x21x20-Painted	4.16	FFH48H12P102120					
Braced Forkhead (BFH)										
 Attached with M9x75mm bolt & nut (half threaded) Finish: Painted			BFH 48H/12 Size: 10x10x15-Painted	3.42	FBFH48H12P101015					
			BFH 48H/12 Size: 10x17x15-Painted	3.89	FBFH48H12P101715					
			BFH 48H/12 Size: 10x17x20-Painted	4.74	FBFH48H12P101720					
			BFH 48H/12 Size: 10x19x20-Painted	4.92	FBFH48H12P101920					
			BFH 48H/12 Size: 10x21x20-Painted	5.10	FBFH48H12P102120					
Supporting Forkhead (SFH)										
			SFH -38-Painted	2.16	XESSFH					
			GS SFH 10x17x20 Painted	3.88	FGF99006					
Universal Forkhead (UFH)										
 Universal Forkhead H20			UFH H20-Painted	3.10	XESUFH20					
 Universal Forkhead Alum			UFH Alum-Painted	2.83	XESUFHAL					
Cantilever Beam Frame (CBF)										
 CBF 150cm  CBF 100cm Finish: Painted Tube dia.: 48.3mm			CBF 150cm	18.27	FGS06P30150					
			CBF 100cm	15.37	FGS06P30100					
Cantilever Frame (CF)										
 CF 150cm  CF 100cm Finish: Painted Tube dia.: 48.3mm			CF 150cm	16.05	FGS04P30150					
			CF 100cm	14.83	FGS04P30100					
Beam Bracket										
 Beam Bracket 150cm  Beam Bracket 100 cm Finish: Painted Tube dia.: 48.3mm			Beam Bracket 150cm	6.08	FGS07P30150					
			Beam Bracket 100 cm	4.41	FGS07P30100					

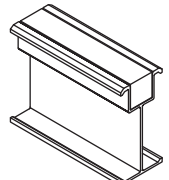
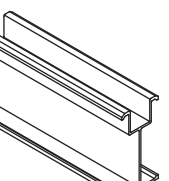
	Wt. (kg)	Code
H.D. Tube		
	ST 100 cm HD	3.35 FSTG30100
	ST 150 cm HD	5.03 FSTG30150
	ST 200 cm HD	6.70 FSTG30200
	ST 250 cm HD	8.38 FSTG30250
	ST 300 cm HD	10.05 FSTG30300
	ST 350 cm HD	11.73 FSTG30350
	ST 400 cm HD	13.41 FSTG30400
	ST 450 cm HD	15.08 FSTG30450
	ST 500 cm HD	16.76 FSTG30500
	ST 550 cm HD	18.43 FSTG30550
	ST 600 cm HD	20.11 FSTG30600

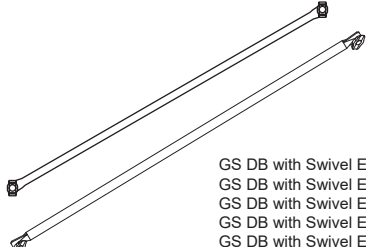
Scaffold Couplers		
	Double Coupler (DC)	
	DC 1.5"x1.5" (D/F)	0.99 XFGCDD4848
	DC 2.0"x1.5" (D/F)	1.20 XFGCDD6048
	DC 1.5"x1.5" (Pressed)	0.73 XFGCDP4848
	Swivel Coupler (SC)	
	SC 1.5"x1.5" (D/F)	1.10 XFGCSD4848
	SC 2.0"x1.5" (D/F)	1.25 XFGCSD6048
	SC 1.5"x1.5" (Pressed)	0.68 XFGCSP4848

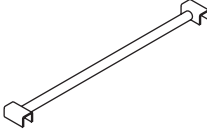
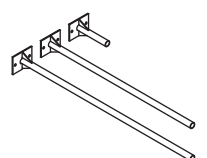
H20 Timber Beam (TB)		
	H20 TB (200x80) 0125 cm	6.25 FTBH20125
	H20 TB (200x80) 0145 cm	7.25 FTBH20145
	H20 TB (200x80) 0165 cm	8.25 FTBH20165
	H20 TB (200x80) 0180 cm	9.00 FTBH20180
	H20 TB (200x80) 0225 cm	11.25 FTBH20225
	H20 TB (200x80) 0245 cm	12.25 FTBH20245
	H20 TB (200x80) 0265 cm	13.25 FTBH20265
	H20 TB (200x80) 0290 cm	14.50 FTBH20290
	H20 TB (200x80) 0295 cm	14.75 FTBH20295
	H20 TB (200x80) 0330 cm	16.50 FTBH20330
	H20 TB (200x80) 0360 cm	18.00 FTBH20360
	H20 TB (200x80) 0390 cm	19.50 FTBH20390
	H20 TB (200x80) 0450 cm	22.50 FTBH20450
	H20 TB (200x80) 0490 cm	24.50 FTBH20490
	H20 TB (200x80) 0590 cm	29.50 FTBH20590
	H20 TB (200x80) 1190 cm	59.50 FTBH201190

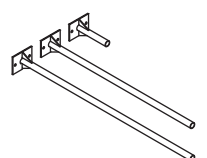
Aluminum Beam (AB) T150		
	With Timber	
	AB T-150 (150 x 80) 050 cm	2.92 FABTT050
	AB T-150 (150 x 80) 075 cm	4.37 FABTT075
	AB T-150 (150 x 80) 100 cm	5.83 FABTT100
	AB T-150 (150 x 80) 125 cm	7.29 FABTT125
	AB T-150 (150 x 80) 150 cm	8.75 FABTT150
	AB T-150 (150 x 80) 175 cm	10.20 FABTT175
	AB T-150 (150 x 80) 200 cm	11.66 FABTT200
	AB T-150 (150 x 80) 225 cm	13.12 FABTT225
	AB T-150 (150 x 80) 250 cm	14.58 FABTT250
	Without Timber	
	AB T-150 (150 x 80) 275 cm	16.03 FABTT275
	AB T-150 (150 x 80) 300 cm	17.49 FABTT300
	AB T-150 (150 x 80) 325 cm	18.95 FABTT325
	AB T-150 (150 x 80) 350 cm	20.41 FABTT350
	AB T-150 (150 x 80) 375 cm	21.86 FABTT375
	AB T-150 (150 x 80) 400 cm	23.32 FABTT400
	AB T-150 (150 x 80) 425 cm	24.78 FABTT425
	AB T-150 (150 x 80) 450 cm	26.24 FABTT450
	AB T-150 (150 x 80) 475 cm	27.69 FABTT475

Aluminum Beam (AB) T150		
	With Timber	
	AB T-150 (150 x 80) 050 cm	2.54 FABTW050
	AB T-150 (150 x 80) 075 cm	3.81 FABTW075
	AB T-150 (150 x 80) 100 cm	5.08 FABTW100
	AB T-150 (150 x 80) 125 cm	6.35 FABTW125
	AB T-150 (150 x 80) 150 cm	7.62 FABTW150
	AB T-150 (150 x 80) 175 cm	8.89 FABTW175
	AB T-150 (150 x 80) 200 cm	10.16 FABTW200
	AB T-150 (150 x 80) 225 cm	11.43 FABTW225
	AB T-150 (150 x 80) 250 cm	12.70 FABTW250
	Without Timber	
	AB T-150 (150 x 80) 275 cm	13.97 FABTW275
	AB T-150 (150 x 80) 300 cm	15.24 FABTW300
	AB T-150 (150 x 80) 325 cm	16.51 FABTW325
	AB T-150 (150 x 80) 350 cm	17.78 FABTW350
	AB T-150 (150 x 80) 375 cm	19.05 FABTW375
	AB T-150 (150 x 80) 400 cm	20.32 FABTW400
	AB T-150 (150 x 80) 425 cm	21.59 FABTW425
	AB T-150 (150 x 80) 450 cm	22.86 FABTW450
	AB T-150 (150 x 80) 475 cm	24.13 FABTW475

Aluminum Beam (AB) S150		
	With Timber	
	AB S-150 (150 x 75) 050 cm	1.95 FABST050
	AB S-150 (150 x 75) 075 cm	2.93 FABST075
	AB S-150 (150 x 75) 100 cm	3.90 FABST100
	AB S-150 (150 x 75) 125 cm	4.88 FABST125
	AB S-150 (150 x 75) 150 cm	5.85 FABST150
	AB S-150 (150 x 75) 175 cm	6.83 FABST175
	AB S-150 (150 x 75) 200 cm	7.80 FABST200
	AB S-150 (150 x 75) 225 cm	8.78 FABST225
	AB S-150 (150 x 75) 250 cm	9.75 FABST250
	Without Timber	
	AB S-150 (150 x 75) 275 cm	10.73 FABST275
	AB S-150 (150 x 75) 300 cm	11.70 FABST300
	AB S-150 (150 x 75) 325 cm	12.68 FABST325
	AB S-150 (150 x 75) 350 cm	13.65 FABST350
	AB S-150 (150 x 75) 375 cm	14.63 FABST375
	AB S-150 (150 x 75) 400 cm	15.60 FABST400
	AB S-150 (150 x 75) 425 cm	16.58 FABST425
	AB S-150 (150 x 75) 450 cm	17.55 FABST450
	AB S-150 (150 x 75) 475 cm	18.53 FABST475

GS Diagonal Brace (DB) With Swivel Ends		
	GS DB with Swivel Ends 233 cm	8.48 FGS50P28233
	GS DB with Swivel Ends 238 cm	8.64 FGS50P28238
	GS DB with Swivel Ends 256 cm	9.20 FGS50P28256
	GS DB with Swivel Ends 269 cm	9.61 FGS50P28269
	GS DB with Swivel Ends 320 cm	11.21 FGS50P28320
	GS DB with Swivel Ends 353 cm	12.25 FGS50P28353

Transom		
	Painted	
	Transom 060 cm - 3mm	4.09 FGS08P28060
	Transom 070 cm - 3mm	4.40 FGS08P28070
	Transom 080 cm - 3mm	4.72 FGS08P28080
	Transom 090 cm - 3mm	5.03 FGS08P28090
	Transom 100 cm - 3mm	5.34 FGS08P28100
	Transom 110 cm - 3mm	5.66 FGS08P28110
	Transom 120 cm - 3mm	5.97 FGS08P28120
	Transom 130 cm - 3mm	6.29 FGS08P28130
	Transom 150 cm - 3mm	6.92 FGS08P28150
	Finish: Painted +E/P + Hot Dip Galvanized	
	Transom 160 cm - 3mm	7.23 FGS08P28160
	Transom 180 cm - 3mm	7.86 FGS08P28180
	Transom 200 cm - 3mm	8.49 FGS08P28200
	Transom 210 cm - 3mm	8.80 FGS08P28210
	Transom 240 cm - 3mm	9.74 FGS08P28240
	Transom 250 cm - 3mm	10.06 FGS08P28250

Anchor Plate (AP)		
	AP 030 cm Painted	3.07 FAPP030
	AP 060 cm Painted	4.07 FAPP060
	AP 150 cm Painted	7.09 FAPP150
	AP 180 cm Painted	8.09 FAPP180

	Wt. (kg)	Code
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Steel Staircase (SS)

H= 240 (cm) V= 200 (cm) V (cm) H (cm)	Painted		
	SS-250(H)x200(V)x070(W)x320(L)	75.76	FSC20P070320
	SS-250(H)x200(V)x080(W)x320(L)	82.04	FSC20P080320
	SS-250(H)x200(V)x090(W)x320(L)	88.32	FSC20P090320
	SS-250(H)x200(V)x100(W)x320(L)	94.60	FSC20P100320
	SS-250(H)x200(V)x110(W)x320(L)	100.88	FSC20P110320
	SS-250(H)x200(V)x120(W)x320(L)	107.16	FSC20P120320
	Painted		
	SS-180(H)x150(V)x70(W)x234(L)	67.87	FSC20P070234
	SS-180(H)x200(V)x70(W)x269(L)	71.08	FSC20P070269
	SS-250(H)x150(V)x70(W)x292(L)	73.19	FSC20P070292
H= Horizontal (cm) V= Vertical (cm) L= Length (cm) W= Width (cm) Staircase Unit: H250-V150 Staircase Unit: H180-V150 Staircase Unit: H250-V200 Staircase Unit: H180-V200			

Steel Board (SB)

(B-Type) (with hook) Width= 22cm, Thick.=6.6cm	B Type With Hook		
	SB 060 cm-Painted	6.06	FEXSPB060
	SB 070 cm-Painted	6.68	FEXSPB070
	SB 080 cm-Painted	7.30	FEXSPB080
	SB 090 cm-Painted	7.92	FEXSPB090
	SB 100 cm-Painted	8.55	FEXSPB100
	SB 110 cm-Painted	9.61	FEXSPB110
	SB 120 cm-Painted	9.79	FEXSPB120
	SB 130 cm-Painted	10.41	FEXSPB130
	SB 150 cm-Painted	11.66	FEXSPB150
	SB 160 cm-Painted	12.28	FEXSPB160
	SB 180 cm-Painted	13.52	FEXSPB180
	SB 200 cm-Painted	14.77	FEXSPB200
	SB 210 cm-Painted	15.39	FEXSPB210
	SB 230 cm-Painted	16.63	FEXSPB230
(A-Type) Width= 22cm, Thick.=6.6cm	A Type plain End		
	SB 050 cm-Painted	4.34	FEXSPA050
	SB 060 cm-Painted	4.96	FEXSPA060
	SB 070 cm-Painted	5.58	FEXSPA070
	SB 080 cm-Painted	6.21	FEXSPA080
	SB 090 cm-Painted	6.83	FEXSPA090
	SB 100 cm-Painted	7.45	FEXSPA100
	SB 110 cm-Painted	8.07	FEXSPA110
	SB 120 cm-Painted	8.69	FEXSPA120
	SB 130 cm-Painted	9.32	FEXSPA130
	SB 150 cm-Painted	10.56	FEXSPA150
	SB 160 cm-Painted	11.18	FEXSPA160
	SB 180 cm-Painted	12.43	FEXSPA180
	SB 200 cm-Painted	13.67	FEXSPA200
	SB 230 cm-Painted	15.54	FEXSPA230
	SB 250 cm-Painted	17.10	FEXSPA250
	SB 280 cm-Painted	18.96	FEXSPA280
	SB 300 cm-Painted	20.21	FEXSPA300
	SB 320 cm-Painted	21.45	FEXSPA320
	SB 360 cm-Painted	24.26	FEXSPA360
	SB 390 cm-Painted	26.12	FEXSPA390
	SB 400 cm-Painted	26.75	FEXSPA400

Wooden Plank (WP) (Timber Board)

T W L			
	WP 38.0x225x3900mm	13.70	FWP380225390
	WP 38.0x225x3000mm	10.54	FWP3802253000
	WP 38.0x225x2500mm	8.78	FWP3802252500
	WP 38.0x225x2000mm	7.03	FWP3802252000
	WP 38.0x225x1000mm (Laminated)	4.62	FWP3802301000L
	WP 38.0x225x1500mm (Laminated)	6.22	FWP3802301500L
	WP 38.0x225x2000mm (Laminated)	9.23	FWP3802302000L
	WP 38.0x225x2500mm (Laminated)	11.54	FWP3802302500L
	WP 38.0x225x3000mm (Laminated)	13.85	FWP3802303000L
	WP 38.0x225x3900mm (Laminated)	18.00	FWP3802303900L
End Strip for Wooden Board Protection	0.05	XEXESWBPC	



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