

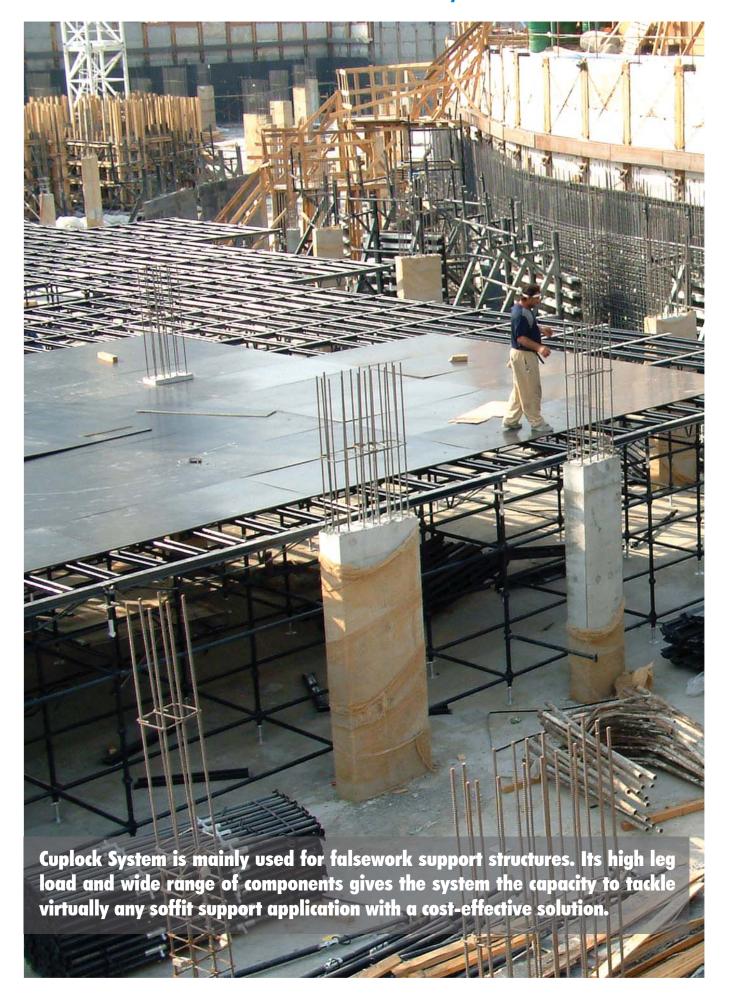


Horizontal Formwork

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Cuplock System

The Most Economical Slab Formwork and Access Scaffold System

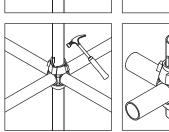


Cuplock System is a multi-purpose steel scaffold system suitable for providing general access and supporting vertical loads. The system's key feature is its unique circular node point which allows up to 4 horizontals to be connected to a vertical in a single fastening action making it probably the fastest 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.



System Features

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





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

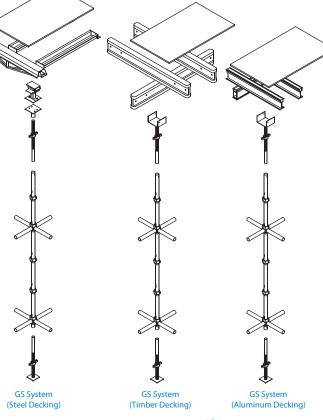
A simple locking cup at each node point on the standards enables connection of the ends of up to four members in one locking action. With all four members attaching at the same level the system is ideal for load bearing construction applications as well as conventional face scaffolding.

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.

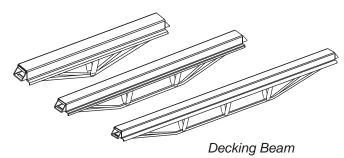




Steel Decking

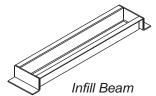
Decking Beam

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.



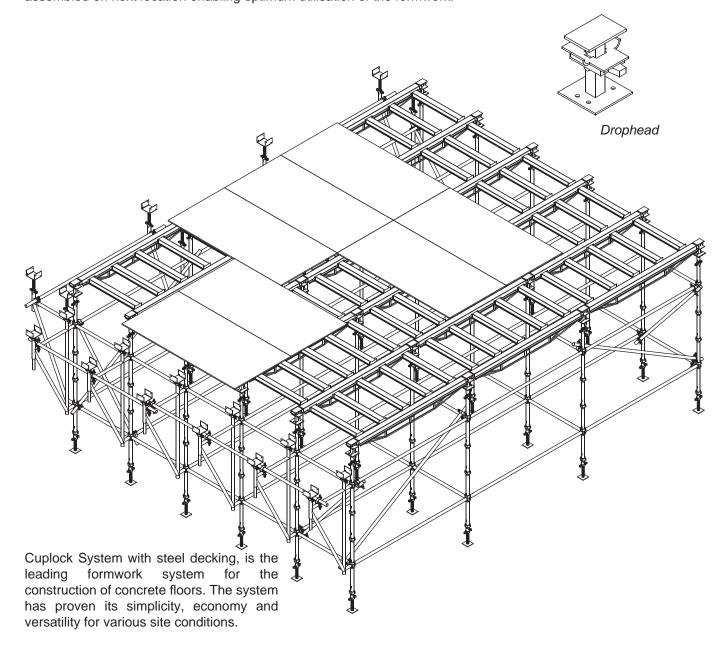
Infill Beam

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.



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.





environmentally friendly impregnation.

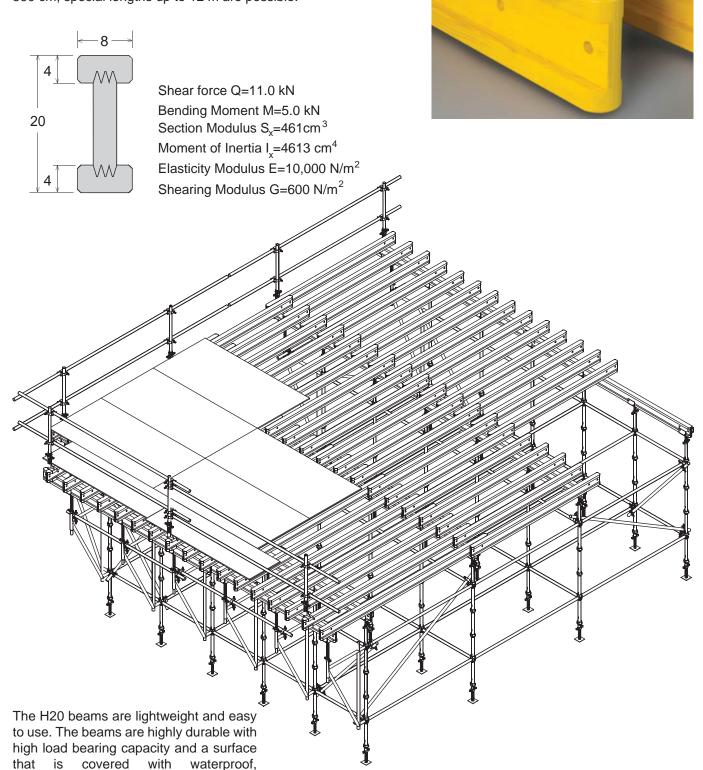
H20 Timber Beams Decking

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.



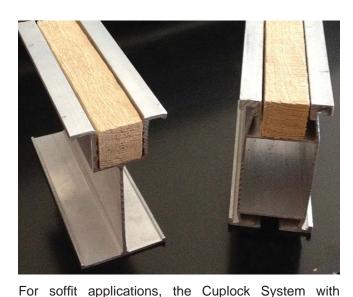


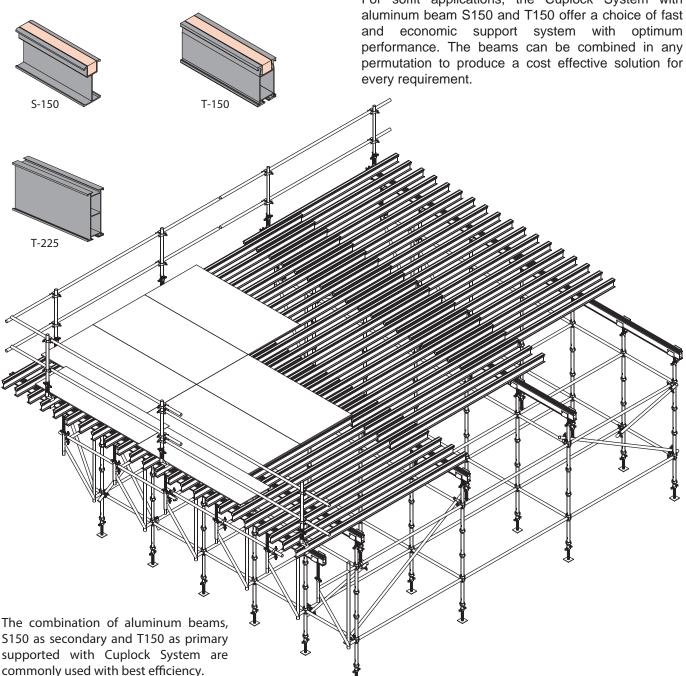
Aluminum Beams Decking

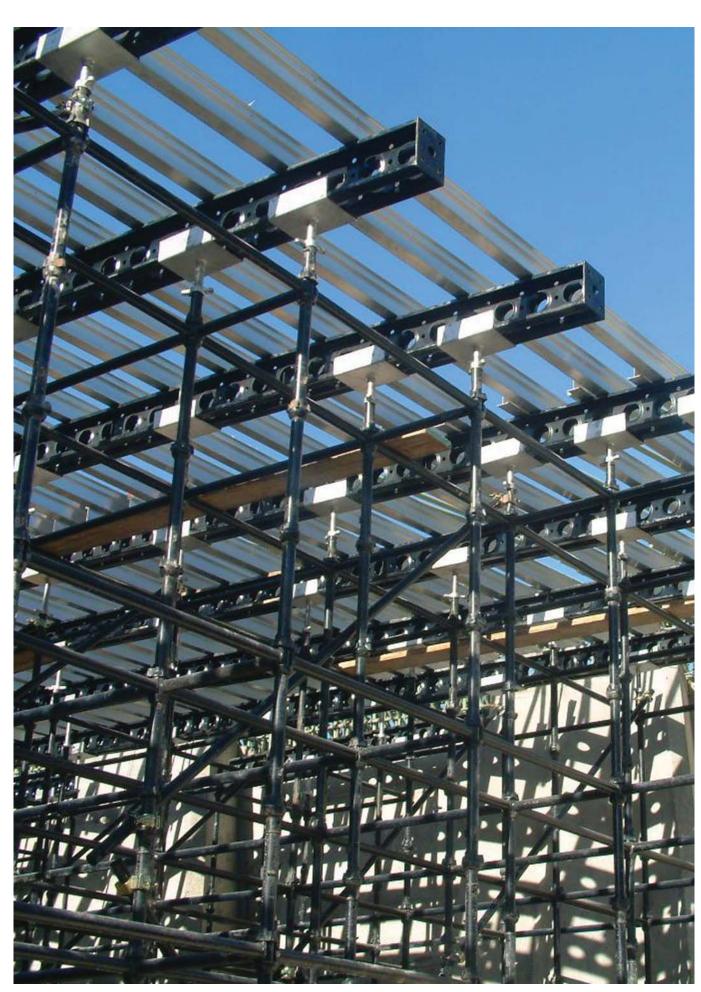
The benefits of aluminum formwork products compared with their steel and timber equivalents have had a major impact on formwork practice.

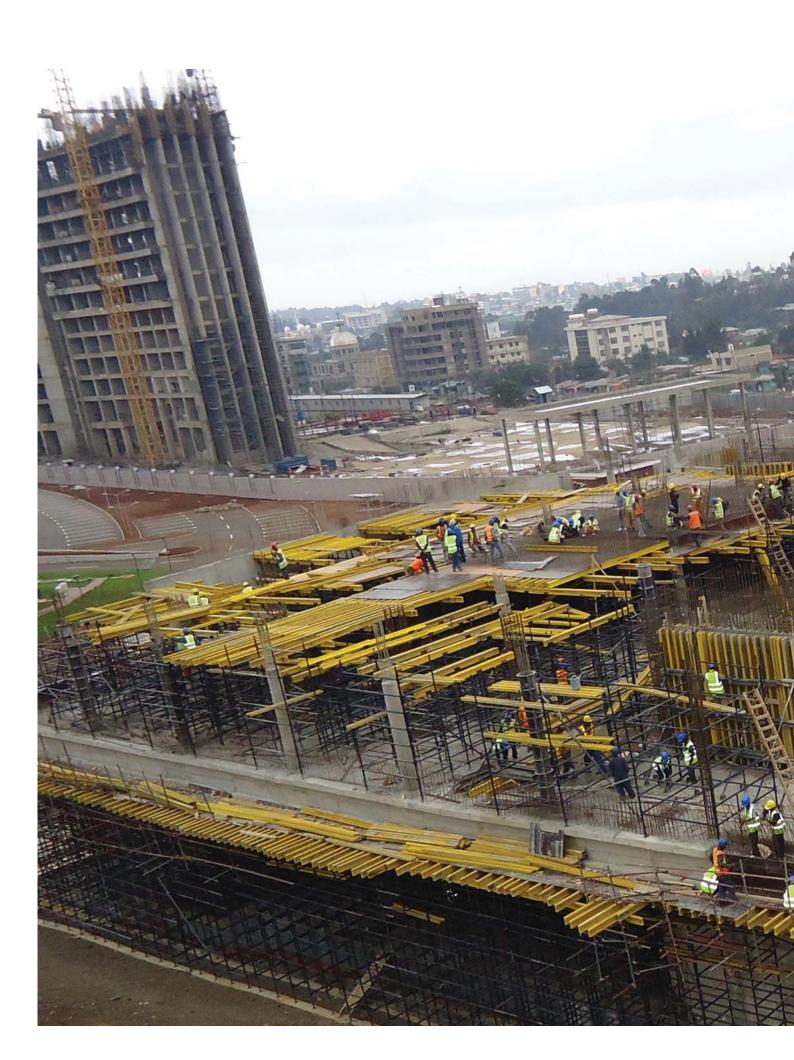
The light weight of aluminum beams which can weigh as little as one-third of their steel equivalent opens the way to greatly increased site acceptance and productivity. The corrosion resistance of aluminum ensures a long maintenance-free life, further extended by the fact that it cannot be easily cut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











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

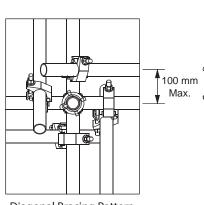
Cuplock System is suitable for support applications with 29kN leg loading when the vertical dimension between ledgers is at a maximum of 2m vertical centers. The leg load can be increased to 40kN when the maximum vertical distance between ledgers is limited to 1.5m, and 55kN leg load can be accommodated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

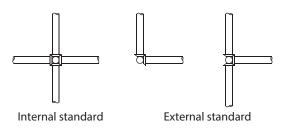
The BS 5975 specifies a minimum lateral stability criteria equivalent to the greater of either, 2.5 % of the vertical load in standards acting horizontally at the point of application of the load, or horizontal forces from wind, erection tolerances, non-verticality, concrete pressure and other forces acting as described in the code. The SWL of 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.

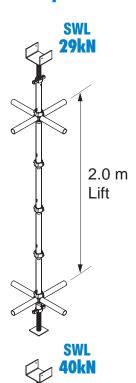


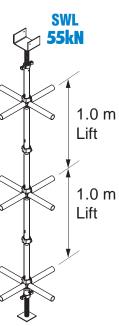
Diagonal Bracing Pattern

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%.

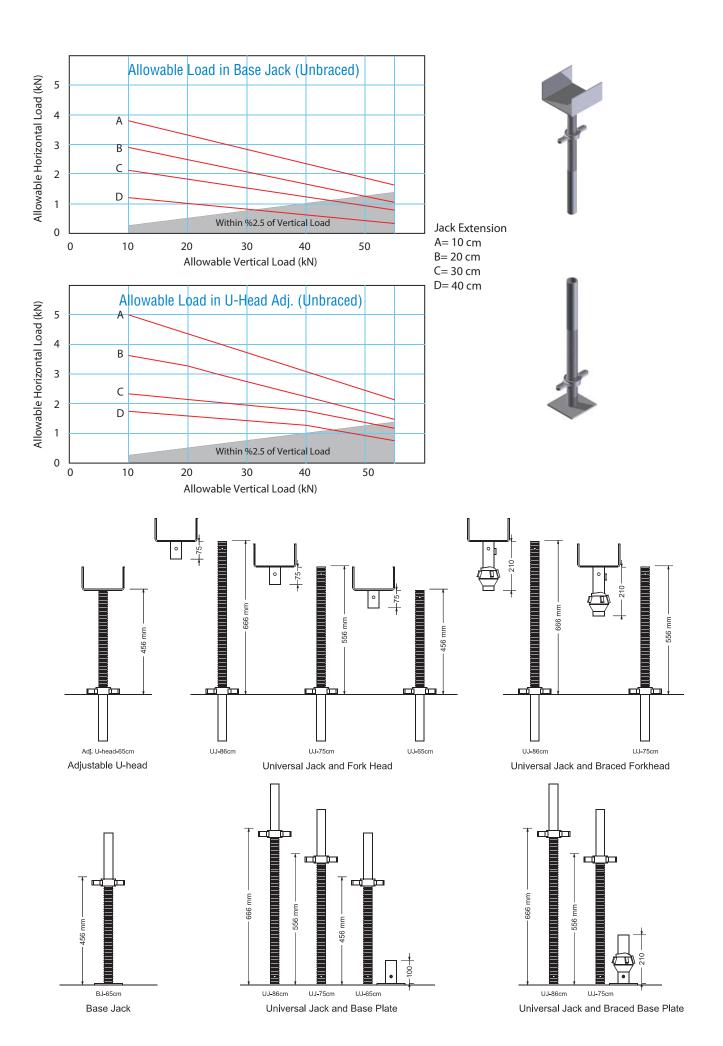






1.5 m Lift

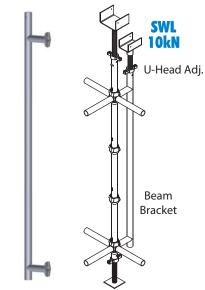






Beam Bracket

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.



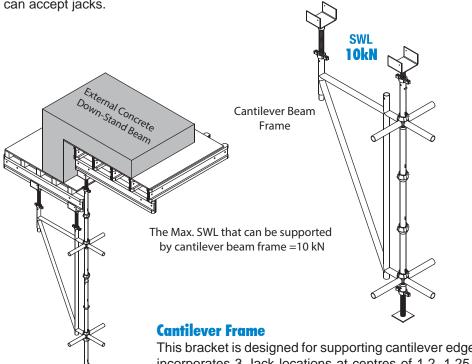
Internal Concrete Down-Stand Beam



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

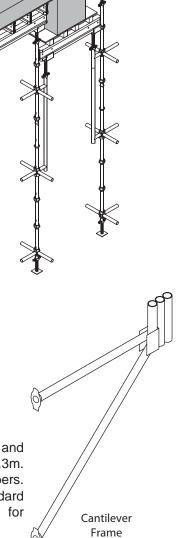
Cantilever Beam Frame

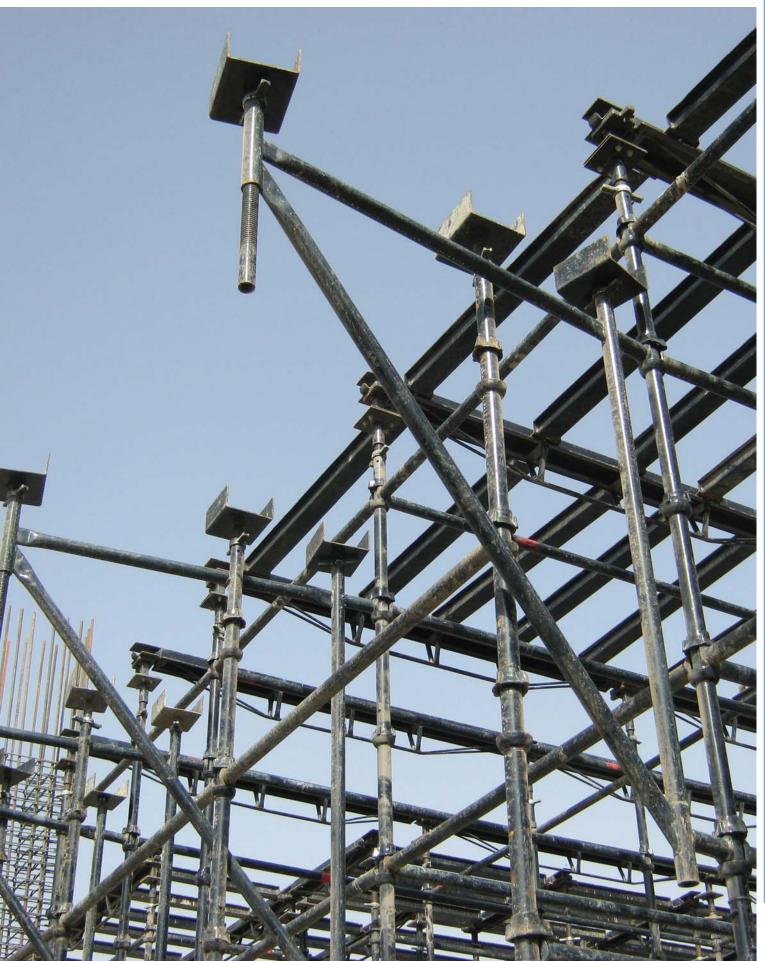
To provide extra support at the edge of construction, especially slab edge formwork, the cantilever beam frame can be attached directly to the verticals at the node points. The frames have blade ends for locating the cup joints and can accept jacks.



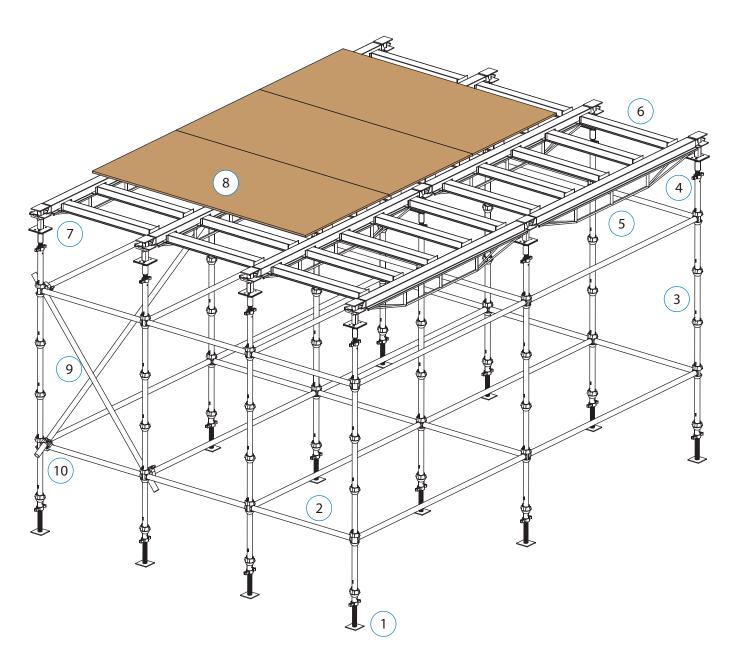
This bracket is designed for supporting cantilever edge slabs and

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.



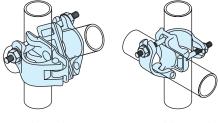


Cuplock System is mainly used for falsework support structures. Its high leg load and wide range of components gives the system the capacity to tackle virtually any soffit support application with a cost-effective solution. For formwork support, a wide number of grid variations can be created to suit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

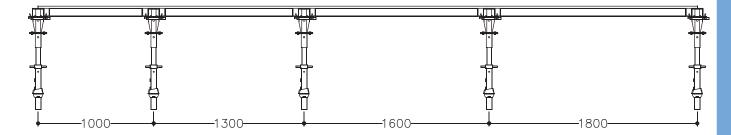
Double coupler

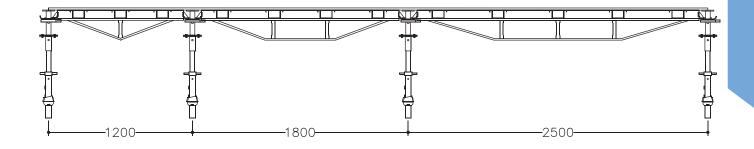
Diagonal Bracing

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	Ledger Size	Area	Max. Slab Thickness (cm)		
(m)	(m)	(m) ²	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



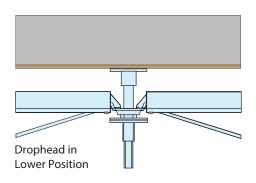


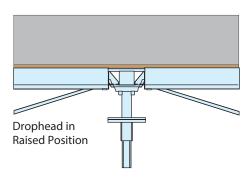
Early Striking with GS System

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:

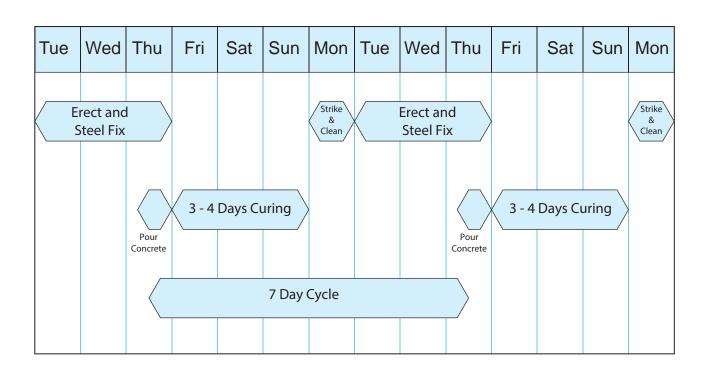
Tuesday: Commence erection of formwork

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.

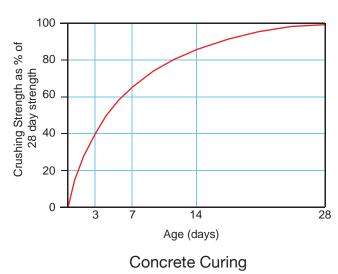
This cycle will ensure minimum lost working days, as curing occurs over a weekend. If, however, this is not possible a cycle time of approximately 9 days can be achieved (3 cycles in every 4 weeks) allowing a day for initial erection.

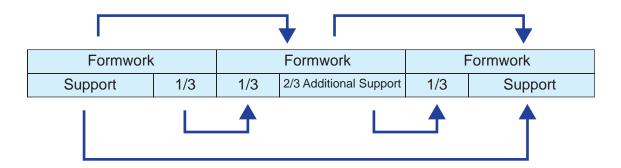


Multi-Story Buildings: How it works in practice?

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).

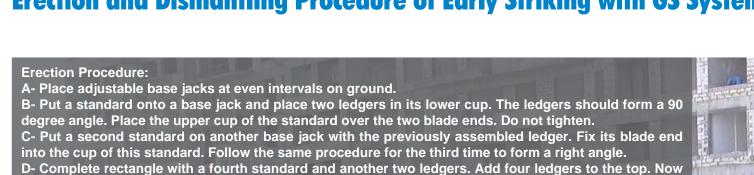
3 to 4 days after pouring floor B the formwork may be removed for use on floor C. About 1/3 of the support from floor B is removed along with the total support for floor A which will have cured for 14 days. This cycle is repeated for further floors.







Erection and Dismantling Procedure of Early Striking with GS System



- tighten the structure fully. E- Assemble two braces diagonally and add the universal jacks and drophead on the top of the completed
- 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





concrete structure, needing only another set of supporting components.

fall; after striking it must be removed manually.

Complete safety in the dismantling procedure is ensured because decking beams and infill beams cannot









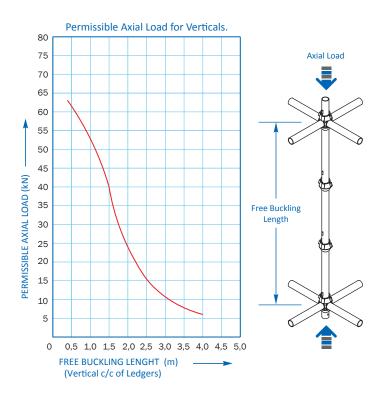


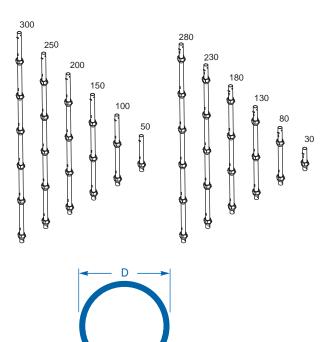


Standard and Ledger Sizes

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.





DIAMETER (D): 48.30 mm

SECTION AREA (F): 4.53 cm²

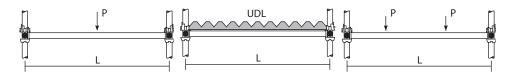
MOMENT OF INERTIA (I): 11.60 cm⁴

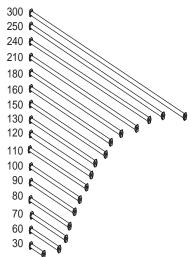
SECTION MODULUS (S): 4.80 cm³

Scaffold Tube 48.30mm

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 Ledger 1.6	3.40 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			Wt. (kg)	Code
Standard 300				Universal Jack (UJ)			
250	Standard 300 cm Standard 250 cm Standard 200 cm Standard 150 cm	13.80 11.50 9.20 6.90	FGS01P30300 FGS01P30250 FGS01P30200 FGS01P30150		UJ - 65 cm Painted UJ - 76 cm Painted UJ - 86 cm Painted	2.51 2.87 3.19	FUJN38HP65 FUJN38HP76 FUJN38HP86
150	Standard 100 cm Standard 050 cm	4.61 2.31	FGS01P30100 FGS01P30050		UJ - 65 cm EP UJ - 76 cm EP UJ - 86 cm EP	2.51 2.87 3.19	FUJN38HE65 FUJN38HE76 FUJN38HE86
50	Standard 280 cm Standard 230 cm Standard 180 cm Standard 130 cm	13.13 10.83 8.53 6.23	FGS01P30280 FGS01P30230 FGS01P30180 FGS01P30130		UJ - 65 cm Painted W/Hole UJ - 76 cm Painted W/Hole UJ - 86 cm Painted W/Hole	2.51 2.87 3.19	FUJN38HP65 FUJN38HP76 FUJN38HP86
280	Standard 080 cm Standard 070 cm Standard 030 cm 230	3.94 2.98 1.64	FGS01P30080 FGS01P30070 FGS01P30030	111	UJ - 65 cm EP W/Hole UJ - 76 cm EP W/Hole UJ - 86 cm EP W/Hole	2.51 2.87 3.19	FUJN38HE65 FUJN38HE76 FUJN38HE86
	180 130 130 80				Universal jack with Two Nut (UJ - TN UJ - TN 65 cm Painted UJ - TN 76 cm Painted	2.94 3.30	FUJN38HP65TN FUJN38HP76TN
Finish: Painted Tube dia.: 48.3mm 50cm between cups (Nodes)					UJ - TN 65 cm EP UJ - TN 76 cm EP	2.94 3.30	FUJN38HE65TN FUJN38HE76TN
					UJ - TN 65 cm Painted W/Hole UJ - TN 76 cm Painted W/Hole	2.94 3.30	FUJN38HP65TNH FUJN38HP76TNH
	#				UJ - TN 65 cm EP W/Hole UJ - TN 76 cm EP W/Hole	2.94 3.30	FUJN38HE65TNH FUJN38HE76TNH
Ledger				Universal Jack With Tow Nuts			
300 250 240 210	Ledger 300 cm Ledger 250 cm Ledger 240 cm	9.64 8.07 7.76	FGS02P28300 FGS02P28250 FGS02P28240	GS Decking Beam (I	DB)		
180 160 150 120 110 100 90	Ledger 210 cm Ledger 200 cm Ledger 180 cm Ledger 160 cm Ledger 150 cm Ledger 130 cm Ledger 120 cm Ledger 110 cm	6.81 6.50 5.87 5.24 4.93 4.30 3.99 3.67	FGS02P28210 FGS02P28200 FGS02P28180 FGS02P28160 FGS02P28150 FGS02P28130 FGS02P28120 FGS02P28110		GS DB 250 cm GS DB 200 cm GS DB 180 cm GS DB 120 cm	22.81 18.40 16.75 11.52	FGS03P25250 FGS03P25200 FGS03P25180 FGS03P25120
80	Ledger 100 cm Ledger 090 cm	3.36 3.04	FGS02P28100 FGS02P28090	Finish: Pa	inted		
60 30 Finish: Painted Tube dia.: 48.3mm Ledger size is defined as center to cente	Ledger 080 cm Ledger 070 cm Ledger 060 cm Ledger 030 cm	2.73 2.42 2.10 1.16	FGS02P28080 FGS02P28070 FGS02P28060 FGS02P28030	GS Infill Beam (IB)	GS IB 170 cm Painted GS IB 150 cm Painted GS IB 140 cm Painted GS IB 120 cm Painted GS IB 110 cm Painted	7.50 6.71 6.31 5.52 5.13	FGS15P18170 FGS15P18150 FGS15P18140 FGS15P18120 FGS15P18110
GS Drophead					GS IB 100 cm Painted GS IB 090 cm Painted GS IB 080 cm Painted GS IB 070 cm Painted GS IB 070 cm Painted GS IB 060 cm Painted	4.73 4.33 3.94 3.54 3.15	FGS15P18100 FGS15P18090 FGS15P18080 FGS15P18070 FGS15P18060
·••.	GS Drophead 20 cm (3.0)	5.26	FGS05P3020	Finish: Painted	GS IB 050 cm Painted	2.75	FGS15P18050
With 4 Bolts M10x30mm + Safety pin M6x40 mm Bolt & nut Finish: Painted	GS Drophead 20 cm (2.8)	5.22	FGS05P2820	GS Spigot Connecte	, ,		
GS Drophead Welded with Socket Base	GS Drophead 20 cm (3.0)	5.53	FGS05P3030SB		GS SC Round with Bolts - P GS SC Square with Bolts - P GS SC W/ washer - P GS SC W/ washer & Bolts - P	0.98 0.68 0.70 0.84	FSCRBP01 FSCSBP01 FSCSWP01 FSCSWP02
	Welded with Socket Base GS Drophead 20 cm (2.8) Welded with Socket Base	5.49	FGS05P2830SB		GS SC Round with Bolts - EP GS SC Square with Bolts - EP GS SC W/ washer - EP GS SC W/ washer & Bolts - EP	0.98 0.68 0.70 0.84	FSCRBE01 FSCSBE01 FSCSWE01 FSCSWE02
With Softy Pin - M6x40mm Bolt & Nut					tached to the standards with '5 mm bolt & nut (half threaded)	0.04	1 000WE02
Socket Base Adaptor (SB	A) SBA Painted	1.38	FGS11P2815	GS U-Head Adjustab	ole (UHA)		
	SBA Painted SBA Painted	1.41	FGS11P3015 FGS11P3215	•			
Soket Base Adaptor Adaptor Adaptor 36cm	Adaptor 30 cm Painted Adaptor 36 cm Painted Adaptor 30 cm Painted Adaptor 36 cm Painted	2.65 2.85 2.71 2.92	FGS11P3030 FGS11P3036 FGS11P3230 FGS11P3236	W D/F Jack handle	GS UHA 38H:65 cm:10x10x15 P GS UHA 38H:65 cm:10x17x15 P GS UHA 38H:65 cm:10x17x20 P GS UHA 38H:65 cm:10x12x20 P GS UHA 38H:65 cm:10x21x20 P	5.06 5.91 6.09 6.27	FUHA38H65P101015 FUHA38H65P101715 FUHA38H65P101720 FUHA38H65P101920 FUHA38H65P102120
Base Jack (BJ)	Painted BJ 65cm H-P 12x12cm-38 Di BJ 65cm H-P 15x15cm-38 Di BJ 76cm H-P 12x12cm-38 Di	a. 3.52	FBJN38HP1265 FBJN38HP1565 FBJN38HP1276		GS UHA 38H:76 cm:10x10x15 P GS UHA 38H:76 cm:10x17x15 P GS UHA 38H:76 cm:10x17x20 P GS UHA 38H:76 cm:10x19x20 P GS UHA 38H:76 cm:10x21x20 P	5.42 6.27 6.45	FUHA38H76P101015 FUHA38H76P101715 FUHA38H76P101720 FUHA38H76P101920 FUHA38H76P102120
D/F Jack handle 38mm Hollow tube	BJ 76cm H-P 15x15cm-38 Di	a. 3.87	FBJN38HP1576	Finish: Painted or electroplated	Electroplated GS UHA 38H:65 cm:10x10x15 E GS UHA 38H:65 cm:10x17x15 E GS UHA 38H:65 cm:10x17x20 E GS UHA 38H:65 cm:10x19x20 E	5.06 5.91	FUHA38H65E101015 FUHA38H65E101715 FUHA38H65E101720 FUHA38H65E101920
Plate 15x15cm (With holes) Plate 12x12cm (Without holes)	BJ 65cm H-E 12x12cm-38 Di BJ 65cm H-E 15x15cm-38 Di BJ 76cm H-E 12x12cm-38 Di BJ 76cm H-E 15x15cm-38 Di	a. 3.52 a. 3.51	FBJN38HE1265 FBJN38HE1565 FBJN38HE1276 FBJN38HE1576		GS UHA 38H:65 cm:10x19x20 E GS UHA 38H:76 cm:10x10x15 E GS UHA 38H:76 cm:10x17x15 E GS UHA 38H:76 cm:10x17x15 E GS UHA 38H:76 cm:10x17x20 E GS UHA 38H:76 cm:10x19x20 E GS UHA 38H:76 cm:10x21x20 E	6.27 4.95 5.42 6.27 6.45	FUHA38H65E101920 FUHA38H65E102120 FUHA38H76E101015 FUHA38H76E101715 FUHA38H76E101720 FUHA38H76E101920 FUHA38H76E102120

	Wt. (kg)	Code			Wt. (kg)	Code
Base Plate (BP)			Hop-Up Bracket			
BP 12x12x0.57 MD (Dia-27x2.0x100) Painter (With holes) BP 12x12x0.57 MD (Dia-27x2.0x100) Painter BP 15x15x0.57 MD (Dia-38x3.8x100) Painter BP 15x15x0.78 HD (Dia-38x3.8x100) Painter BP 15x15x0.78 HD (Dia-38x3.8x100) Painter	d 1.13 d 1.22	FBP27HP1012 FBP27HP1015 FBP38HP1012 FBP38HP1015		Hop-Up Bracket - 3 Boards Hop-Up Bracket - 2 Boards Painted lia.: 48.3mm	7.12 5.77	FGS09P283 FGS09P282
Plate 12x12cm (Without holes)			GS Guardrail Frame			
GS Forkhead (FH)						
H W L GS FH 48H/12 Size: 10x10x15-Painted GS FH 48H/12 Size: 10x17x15-Painted GS FH 48H/12 Size: 10x17x20-Painted GS FH 48H/12 Size: 10x17x20-Painted GS FH 48H/12 Size: 10x12x20-Painted GS FH 48H/12 Size: 10x21x20-Painted	2.95 3.80 3.98	FFH48H12P101015 FFH48H12P101715 FFH48H12P101720 FFH48H12P101920 FFH48H12P102120		GS Guardrail Frame	10.26	FGS99P001
Braced Forkhead (BFH)			Scaffold Tube (ST) Pai	nted M.D. Tube		
BFH 48H/12 Size: 10x10x15-Painted BFH 48H/12 Size: 10x17x15-Painted BFH 48H/12 Size: 10x17x20-Painted BFH 48H/12 Size: 10x17x20-Painted BFH 48H/12 Size: 10x12x20-Painted BFH 48H/12 Size: 10x21x20-Painted BFH 48H/12 Size: 10x10x120-Painted BFH 48H/12 Size: 10x10x120-P	3.89 4.74 4.92	FBFH48H12P101015 FBFH48H12P101715 FBFH48H12P101720 FBFH48H12P101920 FBFH48H12P102120		ST 100 cm MD ST 150 cm MD ST 200 cm MD ST 250 cm MD ST 300 cm MD ST 300 cm MD ST 450 cm MD ST 450 cm MD ST 5500 cm MD	2.28 3.42 4.57 5.71 6.85 7.99 9.13 10.27 11.42 12.56	FSTP20100 FSTP20150 FSTP20200 FSTP20250 FSTP20300 FSTP20350 FSTP20450 FSTP20450 FSTP20550 FSTP20550
SFH -38-Painted	2.16	XESSFH		ST 600 cm MD	13.70	FSTP20600
GS SFH 10x17x20 Painted	3.88	FGF99006		H.D. Tube		
Universal Forkhead (UFH) Universal Forkhead H20 UFH H20-Painted UFH Alum-Painted	3.10 2.83	XESUFH20 XESUFHAL	Finish: Painted Dia.:48.3 mm	ST 100 cm HD ST 150 cm HD ST 250 cm HD ST 250 cm HD ST 350 cm HD ST 350 cm HD ST 400 cm HD ST 450 cm HD ST 550 cm HD ST 550 cm HD ST 550 cm HD	3.35 5.03 6.70 8.38 10.05 11.73 13.41 15.08 16.76 18.43 20.11	FSTP30100 FSTP30150 FSTP30200 FSTP30250 FSTP30350 FSTP30350 FSTP30400 FSTP30500 FSTP30500 FSTP30500 FSTP30600
	2.00	7.2001111.2	Scaffold Tube (ST) Bla			
Cantilever Beam Frame (CBF) CBF 150cm CBF 100cm	18.27 15.37	FGS06P30150 FGS06P30100	Finish: Black Dla.:48.3 mm	M.D. Tube ST 100 cm MD ST 150 cm MD ST 200 cm MD ST 250 cm MD ST 350 cm MD ST 350 cm MD ST 350 cm MD ST 450 cm MD ST 450 cm MD ST 550 cm MD ST 500 cm MD ST 500 cm MD	2.28 3.42 4.57 5.71 6.85 7.99 9.13 10.27 11.42 12.56 13.70	FSTN20100 FSTN20150 FSTN20200 FSTN20250 FSTN20300 FSTN20350 FSTN20400 FSTN20450 FSTN20550 FSTN20550 FSTN20600
150			Ċ.			
Cantilever Frame (CF) CF 150cm CF 100cm 150	16.05 14.83	FGS04P30150 FGS04P30100	Finish: Black Dia.:48,3 mm	H.D. Tube ST 100 cm HD ST 150 cm HD ST 200 cm HD ST 250 cm HD ST 350 cm HD ST 350 cm HD ST 350 cm HD ST 450 cm HD ST 550 cm HD ST 500 cm HD ST 500 cm HD	3.35 5.03 6.70 8.38 10.05 11.73 13.41 15.08 16.76 18.43 20.11	FSTN30100 FSTN30150 FSTN30200 FSTN30250 FSTN30350 FSTN30400 FSTN30450 FSTN30550 FSTN30550 FSTN30600
Finish Painted			Scaffold Tube (ST) GI			
Beam Bracket Tube dia.: 48.3mm Beam Bracket 150cr Beam Bracket 100 cr Finish: Painted Tube dia.: 48.3mm		FGS07P30150 FGS07P30100	Finish: GI Dia.:48.3 mm	M.D. Tube ST 100 cm MD ST 150 cm MD ST 250 cm MD ST 250 cm MD ST 300 cm MD ST 350 cm MD ST 350 cm MD ST 450 cm MD ST 450 cm MD ST 550 cm MD ST 500 cm MD ST 500 cm MD ST 500 cm MD	2.28 3.42 4.57 5.71 6.85 7.99 9.13 10.27 11.42 12.56 13.70	FSTG20100 FSTG20150 FSTG20200 FSTG20250 FSTG20300 FSTG20350 FSTG20450 FSTG20450 FSTG20500 FSTG20500 FSTG20500 FSTG20600

		Wt. (kg)	Code		,	Wt. (kg)	Code
		**t. (Kg)	Code	Aluminum Beam (AB		···· (ny)	Oude
	H.D. Tube				With Timber		
	ST 100 cm HD	3.35	FSTG30100		AB S-150 (150 x 75) 050 cm AB S-150 (150 x 75) 075 cm	1.95 2.93	FABST050 FABST075
	ST 150 cm HD ST 200 cm HD	5.03 6.70	FSTG30150 FSTG30200		AB S-150 (150 x 75) 100 cm	3.90	FABST100
	ST 250 cm HD ST 300 cm HD	8.38 10.05	FSTG30250 FSTG30300		AB S-150 (150 x 75) 125 cm AB S-150 (150 x 75) 150 cm	4.88 5.85	FABST125 FABST150
Finish: GI Dia.:48.3 mm	ST 350 cm HD	11.73	FSTG30350		AB S-150 (150 x 75) 175 cm AB S-150 (150 x 75) 200 cm	6.83 7.80	FABST175 FABST200
Dia40.3 IIIII	ST 400 cm HD ST 450 cm HD	13.41 15.08	FSTG30400 FSTG30450		AB S-150 (150 x 75) 225 cm	8.78	FABST225
	ST 500 cm HD ST 550 cm HD	16.76 18.43	FSTG30500 FSTG30550	Aluminum Beam S150	AB S-150 (150 x 75) 250 cm AB S-150 (150 x 75) 275 cm	9.75 10.73	FABST250 FABST275
	ST 600 cm HD	20.11	FSTG30600	(Timber Size 38x38mm)	AB S-150 (150 x 75) 300 cm AB S-150 (150 x 75) 325 cm	11.70 12.68	FABST300 FABST325
Scaffold Couplers				Finish: Mill Finish	AB S-150 (150 x 75) 350 cm	13.65	FABST350
www sales					AB S-150 (150 x 75) 375 cm AB S-150 (150 x 75) 400 cm	14.63 15.60	FABST375 FABST400
	Double Coupler (DC)				AB S-150 (150 x 75) 425 cm AB S-150 (150 x 75) 450 cm	16.58 17.55	FABST425 FABST450
	DC 1.5"x1.5" (D/F) DC 2.0"x1.5" (D/F)	0.99	XFGCDD4848 XFGCDD6048		AB S-150 (150 x 75) 475 cm	18.53	FABST475
ľ	DC 1.5"x1.5" (Pressed)	1.20 0.73	XFGCDD6048 XFGCDP4848		AB S-150 (150 x 75) 500 cm AB S-150 (150 x 75) 525 cm	19.50 20.48	FABST500 FABST525
	Swivel Coupler (SC)				AB S-150 (150 x 75) 550 cm AB S-150 (150 x 75) 575 cm	21.45 22.43	FABST550 FABST575
	SC 1.5"x1.5" (D/F)	1.10	XFGCSD4848		AB S-150 (150 x 75) 600 cm	23.40	FABST600
	SC 2.0"x1.5" (D/F) SC 1.5"x1.5" (Pressed)	1.25 0.68	XFGCSD6048 XFGCSP4848		Without Timber	1 50	EARSWOED
	00 1.0 X1.0 (1 10000d)	0.00	XI 0001 4040		AB S-150 (150 x 75) 050 cm AB S-150 (150 x 75) 075 cm	1.58 2.36	FABSW050 FABSW075
H20 Timber Beam (TB)				AB S-150 (150 x 75) 100 cm AB S-150 (150 x 75) 125 cm	3.15 3.94	FABSW100 FABSW125
	H20 TB (200x80) 0125 cm	6.25	FTBH20125		AB S-150 (150 x 75) 150 cm	4.73	FABSW150
	H20 TB (200x80) 0145 cm H20 TB (200x80) 0165 cm	7.25 8.25	FTBH20145 FTBH20165		AB S-150 (150 x 75) 175 cm AB S-150 (150 x 75) 200 cm	5.51 6.30	FABSW175 FABSW200
<u> </u>	H20 TB (200x80) 0180 cm	9.00	FTBH20180		AB S-150 (150 x 75) 225 cm AB S-150 (150 x 75) 250 cm	7.09 7.88	FABSW225 FABSW250
	H20 TB (200x80) 0225 cm H20 TB (200x80) 0245 cm	11.25 12.25	FTBH20225 FTBH20245	Aluminum Beam S150	AB S-150 (150 x 75) 275 cm	8.66	FABSW275
	H20 TB (200x80) 0265 cm H20 TB (200x80) 0290 cm	13.25 14.50	FTBH20265 FTBH20290	(without Timber)	AB S-150 (150 x 75) 300 cm AB S-150 (150 x 75) 325 cm	9.45 10.24	FABSW300 FABSW325
	H20 TB (200x80) 0295 cm	14.75	FTBH20295		AB S-150 (150 x 75) 350 cm AB S-150 (150 x 75) 375 cm	11.03 11.81	FABSW350 FABSW375
	H20 TB (200x80) 0330 cm H20 TB (200x80) 0360 cm	16.50 18.00	FTBH20330 FTBH20360	moment of resistance: 6.80 kN.m	AB S-150 (150 x 75) 400 cm	12.60	FABSW400
Moment: 5.00 kNr.	H20 TB (200x80) 0390 cm H20 TB (200x80) 0450 cm	19.50 22.50	FTBH20390 FTBH20450	Area:11.96 cm Inertia xx: 356 cm	AB S-150 (150 x 75) 425 cm AB S-150 (150 x 75) 450 cm	13.39 14.18	FABSW425 FABSW450
Shear: 11kN Area: 18.87 cm	H20 TB (200x80) 0490 cm	24.50	FTBH20490	Inertia yy: 43.764 cm Section Modulud Zxx: 47.15 cm	AB S-150 (150 x 75) 475 cm AB S-150 (150 x 75) 500 cm	14.96 15.75	FABSW475 FABSW500
E.l= 500 kNm 8	H20 TB (200x80) 0590 cm H20 TB (200x80) 1190 cm	29.50 59.50	FTBH20590 FTBH201190	Toung's Modulus: 69000 N /mm Weight: 3.95 kg/m (with Timber)	AB S-150 (150 x 75) 525 cm	16.54	FABSW525
				3.20 kg/m (without Timber) Timber Wt.=0.75 kgf/m	AB S-150 (150 x 75) 550 cm AB S-150 (150 x 75) 575 cm	17.33 18.11	FABSW550 FABSW575
	Finish: Varnished Yellow Supports are rounded at the end				AB S-150 (150 x 75) 600 cm	18.90	FABSW600
	for damage protection.Web-three layer crosswise laminated solid			GS Diagonal Braco	DB) With Swivel Ends		
<u> </u> 4 W	timber panel. Weight: 5 kg per running meter			GS Diagonal Brace (DB) With Swiver Ends		
Aluminum Beam (A	AB) T150						
`	•				// //"		
	With Timber						
	AB T-150 (150 x 80) 050 cm AB T-150 (150 x 80) 075 cm	2.92 4.37	FABTT050 FABTT075				
	AB T-150 (150 x 80) 100 cm	5.83	FABTT100		GS DB with Swivel Ends 233 cm	8.48	FGS50P28233
	AB T-150 (150 x 80) 125 cm AB T-150 (150 x 80) 150 cm	7.29 8.75	FABTT125 FABTT150		GS DB with Swivel Ends 238 cm GS DB with Swivel Ends 256 cm		FGS50P28238 FGS50P28256
	AB T-150 (150 x 80) 175 cm AB T-150 (150 x 80) 200 cm	10.20 11.66	FABTT175 FABTT200		GS DB with Swivel Ends 269 cm	9.61	FGS50P28269
	AB T-150 (150 x 80) 225 cm	13.12	FABTT225		GS DB with Swivel Ends 320 cm GS DB with Swivel Ends 353 cm		FGS50P28320 FGS50P28353
	AB T-150 (150 x 80) 250 cm AB T-150 (150 x 80) 275 cm	14.58 16.03	FABTT250 FABTT275				
Aluminum Beam T150	AB T-150 (150 x 80) 300 cm AB T-150 (150 x 80) 325 cm	17.49 18.95	FABTT300 FABTT325				
(Timber Size 38x38mm)	AB T-150 (150 x 80) 350 cm	20.41	FABTT350	Transom	Painted		
	AB T-150 (150 x 80) 375 cm AB T-150 (150 x 80) 400 cm	21.86 23.32	FABTT375 FABTT400		Transom 060 cm - 3mm	4.09	FGS08P28060
	AB T-150 (150 x 80) 425 cm AB T-150 (150 x 80) 450 cm	24.78 26.24	FABTT425 FABTT450		Transom 070 cm - 3mm Transom 080 cm - 3mm	4.40 4.72	FGS08P28070 FGS08P28080
Finish: Mill Finish	AB T-150 (150 x 80) 475 cm	27.69	FABTT475	S	Transom 090 cm - 3mm Transom 100 cm - 3mm	5.03 5.34	FGS08P28090 FGS08P28100
Moment of resistance:13.00 kN.m Area:18.87 cm	AB T-150 (150 x 80) 500 cm AB T-150 (150 x 80) 525 cm	29.15 30.61	FABTT500 FABTT525	//	Transom 110 cm - 3mm	5.66	FGS08P28110
Inertia xx:574.3 cm Inertia yy: 147.4 cm	AB T-150 (150 x 80) 550 cm AB T-150 (150 x 80) 575 cm	32.07 33.52	FABTT550 FABTT575		Transom 120 cm - 3mm Transom 130 cm - 3mm	5.97 6.29	FGS08P28120 FGS08P28130
Section modulus Zxx: 75.36 cm Young's Modulus 69000 N/mm	AB T-150 (150 x 80) 600 cm	34.98	FABTT600		Transom 150 cm - 3mm Transom 160 cm - 3mm	6.92 7.23	FGS08P28150 FGS08P28160
Weight: 5.80 kg/m (with Timber) 5.05 kg/m (without Timber)	Without Timber AB T-150 (150 x 80) 050 cm	2.54	FABTW050	A	Transom 180 cm - 3mm	7.86	FGS08P28180
Timber Wt.=0.75 kg/m	AB T-150 (150 x 80) 075 cm AB T-150 (150 x 80) 100 cm	3.81 5.08	FABTW075 FABTW100		Transom 200 cm - 3mm Transom 210 cm - 3mm	8.49 8.80	FGS08P28200 FGS08P28210
	AB T-150 (150 x 80) 125 cm	6.35	FABTW125		Transom 240 cm - 3mm Transom 250 cm - 3mm	9.74 10.06	FGS08P28240 FGS08P28250
	AB T-150 (150 x 80) 150 cm AB T-150 (150 x 80) 175 cm	7.62 8.89	FABTW150 FABTW175	Finish: Painted +E/P + Hot Dip G		. 3.30	2230. 23200
	AB T-150 (150 x 80) 200 cm AB T-150 (150 x 80) 225 cm	10.16 11.43	FABTW200 FABTW225	Tube dia.: 48.3mm			
	AB T-150 (150 x 80) 250 cm	12.70	FABTW250	Anchor Plate (AP)			
\wedge	AB T-150 (150 x 80) 275 cm AB T-150 (150 x 80) 300 cm	13.97 15.24	FABTW275 FABTW300	(/			
	AB T-150 (150 x 80) 325 cm AB T-150 (150 x 80) 350 cm	16.51	FABTW325				
	AB T-150 (150 x 80) 375 cm	17.78 19.05	FABTW350 FABTW375		AP 030 cm Painted	3.07	FAPP030
	AB T-150 (150 x 80) 400 cm AB T-150 (150 x 80) 425 cm	20.32 21.59	FABTW400 FABTW425		AP 060 cm Painted AP 150 cm Painted	4.07 7.09	FAPP060 FAPP150
	AB T-150 (150 x 80) 450 cm AB T-150 (150 x 80) 475 cm	22.86	FABTW450		AP 180 cm Painted	8.09	FAPP180
The state of the s	AB T-150 (150 x 80) 500 cm	24.13 25.40	FABTW475 FABTW500				
Aluminum Beam T150	AB T-150 (150 x 80) 525 cm AB T-150 (150 x 80) 550 cm	26.67 27.94	FABTW525 FABTW550		Finish: Painted		
(without Timber)	AB T-150 (150 x 80) 575 cm AB T-150 (150 x 80) 600 cm	29.21	FABTW575				
		30.48	FABTW600				

