



## CUPLOCK SCAFFOLDING

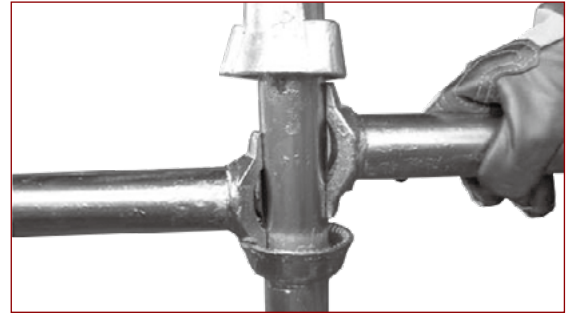
**CUPLOCK SCAFFOLDING**

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Cuplock scaffolding is a kind of multi-purpose steel tube scaffold system that can be used as load-bearing scaffold and working scaffold.

Its unique joint connection allows up to four ledgers to be connected to a standard in one single clamping action without nuts and bolts. The locking device consists of two cups: one is the lower cup welded to the predetermined intervals on the standard member and the other is the sliding upper cup. The ledger forged steel blades are inserted into the lower cup. The upper cup is moved down and rotated to secure ledger forged blades in place by hammering, thereby providing a positive and rigid connection.

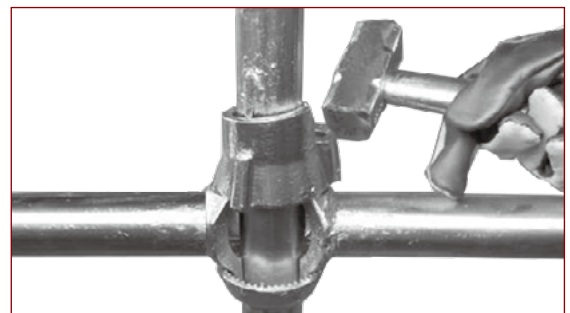
It can be flexibly assembled into modular scaffolding, birdcage scaffolding, suspended scaffolding, mobile scaffolding and supported scaffolding. It is widely used in industrial facilities, oil refineries, shipyards, construction sites, temporary stands, etc.


**Assemble Process**


*Slide the upper cup upward and locate the ledger forged blades into the lower cup*



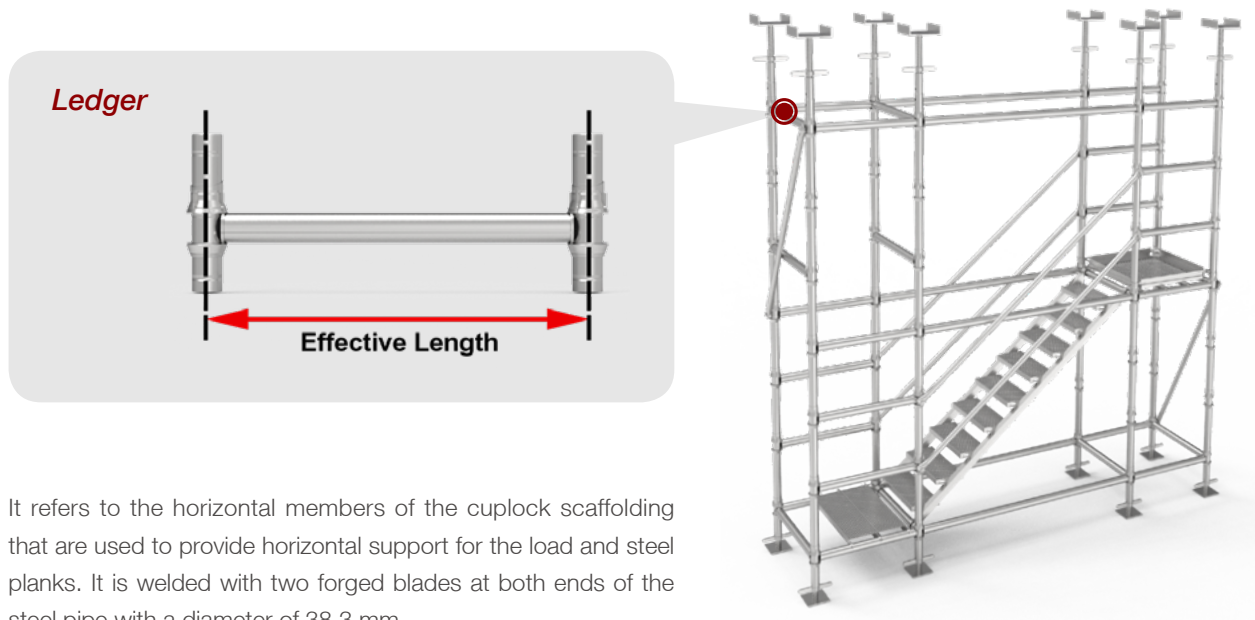
*Slide the upper cup down to cover the ledger forged blades*



*Hammer the upper cup to ensure the rigid connection between the ledger and the standard.*

## CUPLOCK SCAFFOLDING

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It refers to the horizontal members of the cuplock scaffolding that are used to provide horizontal support for the load and steel planks. It is welded with two forged blades at both ends of the steel pipe with a diameter of 38.3 mm.

Item	Effective Length (mm)	Pipe Diameter (mm)	Pipe Wall Thickness (mm)	Weight (kg)	Minimum Tension (MPa)	Yield Limit (MPa)
CLS-L-560	560	48.3	3.25	2.4	517	414
CLS-L-790	790	48.3	3.25	3.2	517	414
CLS-L-920	920	48.3	3.25	3.6	517	414
CLS-L-1070	1070	48.3	3.25	4.3	517	414
CLS-L-1220	1220	48.3	3.25	4.8	517	414
CLS-L-1520	1520	48.3	3.25	6.0	517	414
CLS-L-1820	1830	48.3	3.25	7.0	517	414
CLS-L-2130	2130	48.3	3.25	8.1	517	414
CLS-L-2440	2440	48.3	3.25	9.3	517	414
CLS-L-2740	2740	48.3	3.25	10.5	517	414
CLS-L-3050	3050	48.3	3.25	11.5	517	414

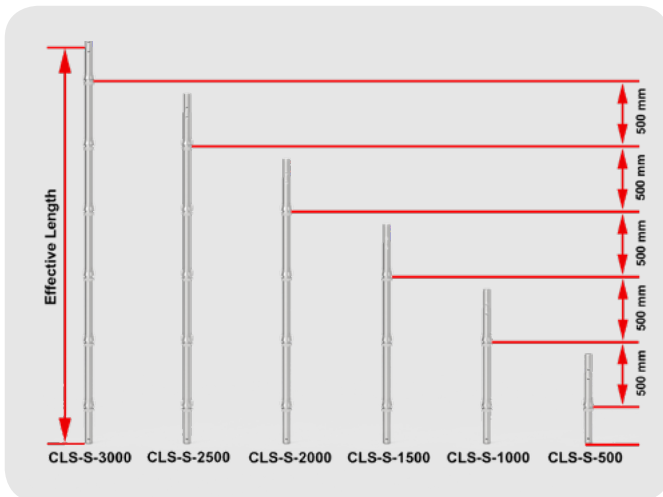
*The sizes in the table are conventional sizes; other sizes are available upon request.*

**CUPLOCK SCAFFOLDING**

**+ Standard**

It refers to the vertical members of the cuplock scaffolding system that are used to provide vertical support for the cuplock scaffolding system.

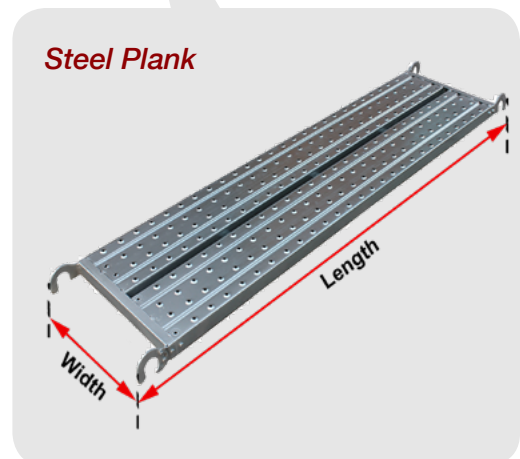
Item	Effective Length (mm)	Pipe Diameter (mm)	Pipe Wall Thickness (mm)	Weight (kg)	Minimum Tension (MPa)	Yield Limit (MPa)
CLS-S-300	300	48.3	3.25	1.9	517	414
CLS-S-500	500	48.3	3.25	3.5	517	414
CLS-S-1000	1000	48.3	3.25	6.2	517	414
CLS-S-1500	1500	48.3	3.25	8.7	517	414
CLS-S-2000	2000	48.3	3.25	11.4	517	414
CLS-S-2500	2500	48.3	3.25	14.2	517	414
CLS-S-3000	3000	48.3	3.25	16.5	517	414



**+ Steel Plank**

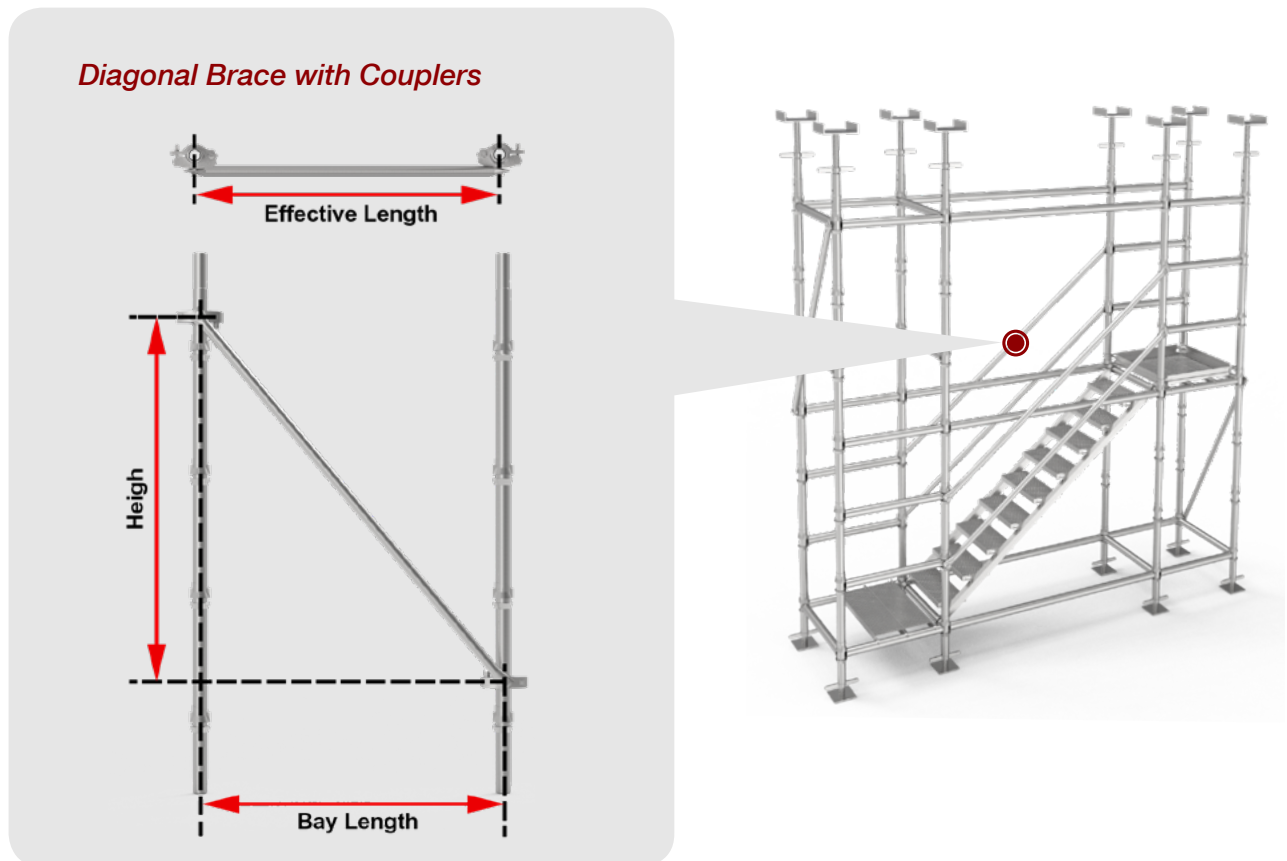
It is a very important part of the cuplock scaffolding system. It is fixed on the cuplock scaffolding ledger for workers to walk on. Every corner is provided with a welded hook. Two or three beams are welded under the scaffold plank. Perforated plates are used to improve its anti-slip performance.

Item	Length (mm)	Width (mm)	Thickness (mm)	Hook Diameter (mm)
CLS-SP-1500	1500	240, 420, 500	1.2, 1.5	43, 50
CLS-SP-1800	1800	240, 420, 500	1.2, 1.5	43, 50
CLS-SP-1530	1530	240, 420, 500	1.2, 1.5	43, 50
CLS-SP-2400	2400	240, 420, 500	1.2, 1.5	43, 50



## CUPLOCK SCAFFOLDING

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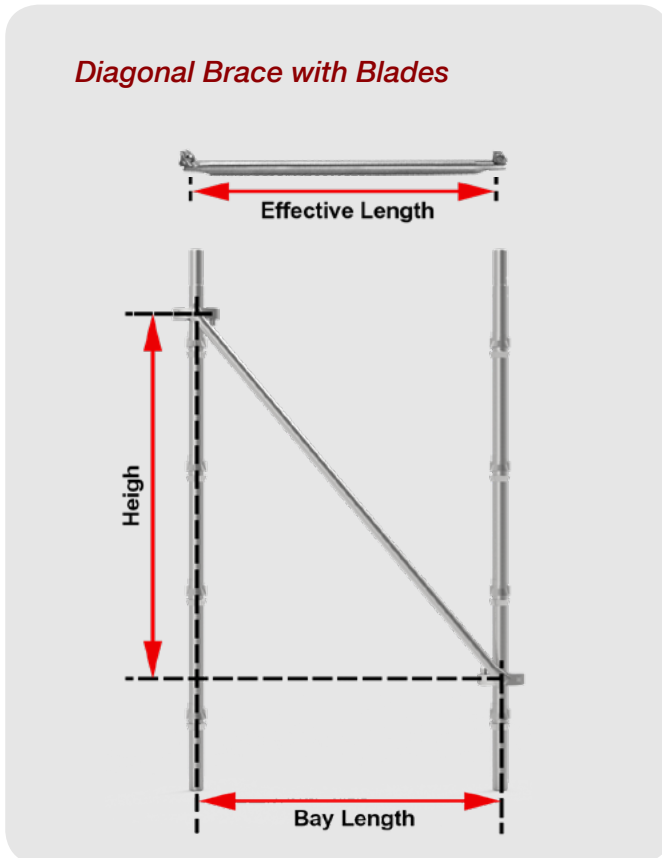
It is used to connect two adjacent cuplock scaffold standards at different horizontal lines via couplers at both ends, thereby forming a triangle with the standard and the ledger and providing a more stable cuplock scaffolding system based on the theory of triangular stability.

Coupler is provided at both ends of the diagonal brace and is connected to the standards firmly.

Item	Bay Length	Effective Length	Pipe Diameter	Pipe Wall Thickness	Weight	Minimum Tension	Yield Limit
	(mm)	(mm)	(mm)	(mm)	(kg)	(MPa)	(MPa)
CLS-DBC-920	920	2200	48.3	2.5	8.2	483	345
CLS-DBC-1220	1220	2340	48.3	2.5	8.5	483	345
CLS-DBC-1520	1520	2520	48.3	2.5	8.7	483	345
CLS-DBC-1830	1830	2710	48.3	2.5	10.0	483	345
CLS-DBC-2130	2130	2930	48.3	2.5	10.4	483	345
CLS-DBC-2440	2440	3150	48.3	2.5	10.8	483	345
CLS-DBC-2740	2740	3400	48.3	2.5	12.2	483	345
CLS-DBC-3050	3050	3650	48.3	2.5	12.8	483	345

**CUPLOCK SCAFFOLDING**

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It is provided with a blade bolted on both ends. Generally, it is connected to the cuplock scaffolding standards by locking blades into the cup lock.

Item	Bay Length	Effective Length	Pipe Diameter	Pipe Wall Thickness	Weight	Minimum Tension	Yield Limit
	(mm)	(mm)	(mm)	(mm)	(kg)	(MPa)	(MPa)
CLS-DBB-920	920	2350	48.3	2.5	7.7	483	345
CLS-DBB-1520	1520	2520	48.3	2.5	8.1	483	345
CLS-DBB-1830	1830	2700	48.3	2.5	9.3	483	345
CLS-DBB-2130	2130	2930	48.3	2.5	10.3	483	345
CLS-DBB-2440	2440	3150	48.3	2.5	10.6	483	345
CLS-DBB-2740	2740	3400	48.3	2.5	11.2	483	345
CLS-DBB-3050	3050	3650	48.3	2.5	11.9	483	345
CLS-DBC-3050	3050	3650	48.3	2.5	12.8	483	345

**CUPLOCK SCAFFOLDING**

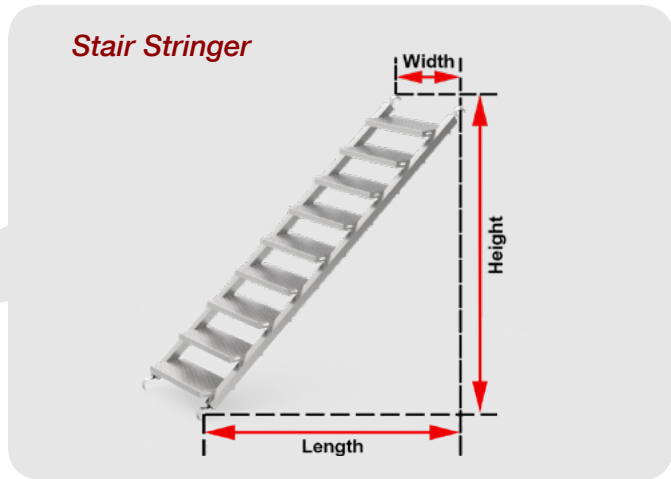
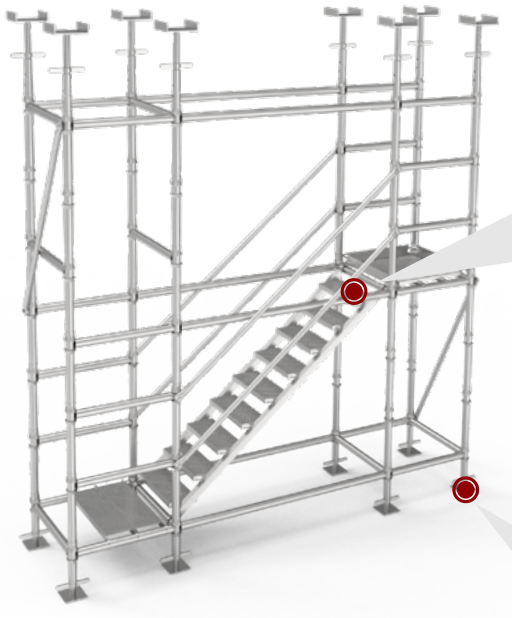


**Stair Stringer**

Stair stringer is fixed on the cuplock scaffolding ledger to provide a ramp for workers to climb up to the upper access. It consists of rectangular steel pipes with hooks and anti-slip stair treads. Diamond-strut anti-slip stair treads are employed to provide superior anti-slip performance and ensure the safety of workers walking on it.

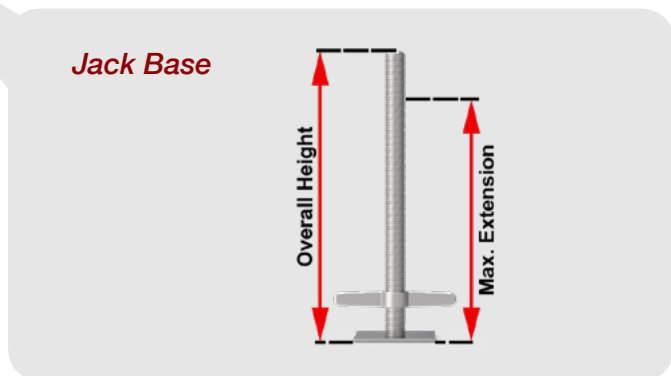
Item	Length	Width	Thickness	Hook Diameter
	(mm)	mm)	(mm)	(mm)
CLS-SS-1800	1800	550, 860	1800, 2000	43, 50
CLS-SS-1830	1830	420, 450, 860	1725, 1955	43, 50

*All sizes are available upon request.*



**Jack Base**

It serves as the base of the cuplock scaffolding system. It helps keeping the cuplock scaffolding system stable by adjusting the height of the screw rod.



Item	Overall Height (mm)	Effective Length (mm)	Base Plate Length (mm)	Base Plate Thickness (mm)
CLS-JB-600	600	460	140	5
CLS-JB-800	800	530	140	5

**CUPLOCK SCAFFOLDING**

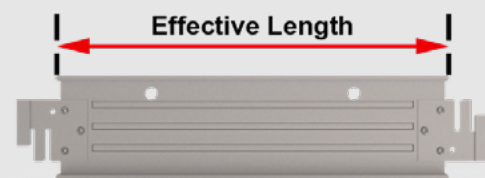
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**U-head Jack**

It is mainly used to connect cuplock scaffolding standards to provide strong support for applications where beams are required to be supported. U head is welded on the screw rod with nut, you may screw the nut to adjust the height of the screw rod. It is mainly used to connect cuplock scaffolding standards to provide strong support for applications where beams require support. U head is welded on the screw rod and a nut is provided, you may screw the nut to adjust the height of the screw rod.

Item	Height	Screw Diameter	U-Head Size	U-head Plate Thickness
	(mm)			
CLS-UHJ-600	600	32, 34, 36, 38	160 × 90 × 30	5
CLS-UHJ-800	800	32, 34, 36, 38	160 × 90 × 30	5

**U-head Jack**

**Steel Toe Plate**


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**Steel Toe Plate**

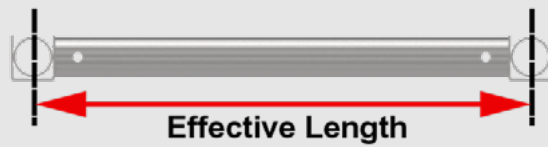
It is a long steel plate set on the standards on both sides of the scaffold plank access. It is almost as high as the instep, therefore, it is called steel toe board. It is mainly used to prevent objects from falling off when they roll to the steel toe board and prevent workers from falling.

Item	Effective Length (mm)	Height (mm)
CLS-STB-830	830	180
CLS-STB-1000	1000	180
CLS-STB-1140	1140	180
CLS-STB-1440	1440	180
CLS-STB-1500	1500	180
CLS-STB-1750	1750	180
CLS-STB-2050	2050	180
CLS-STB-2360	2360	180
CLS-STB-2500	2500	180
CLS-STB-2660	2660	180
CLS-STB-2970	2970	180



**CUPLOCK SCAFFOLDING**

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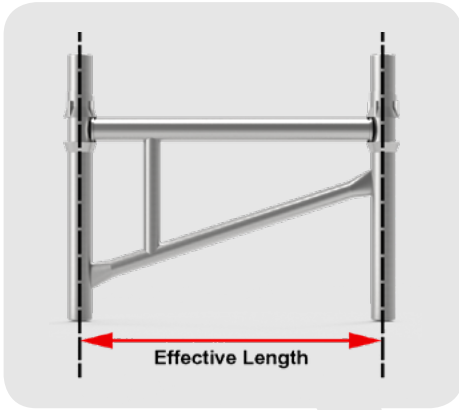
**Intermediate Transom**


It is designed to provide a safe mid-bay support for scaffold boards. One end is provided with an integral locking device to prevent movement along the ledger direction during use.

Item	Bay Length	Pipe Diameter	Pipe Wall Thickness	Minimum Tension	Yield Limit
	(mm)	(mm)	(mm)	(MPa)	(MPa)
CLS-IT-790	790	48.3	3.25	517	414
CLS-IT-920	920	48.3	3.25	517	414
CLS-IT-1070	1070	48.3	3.25	517	414
CLS-IT-1220	1220	48.3	3.25	517	414
CLS-IT-1300	1300	48.3	3.25	517	414
CLS-IT-1520	1520	48.3	3.25	517	414
CLS-IT-1820	1830	48.3	3.25	517	414
CLS-IT-2130	2130	48.3	3.25	517	414
CLS-IT-2440	2440	48.3	3.25	517	414
CLS-IT-2500	2500	48.3	3.25	517	414
CLS-IT-3050	3050	48.3	3.25	517	414

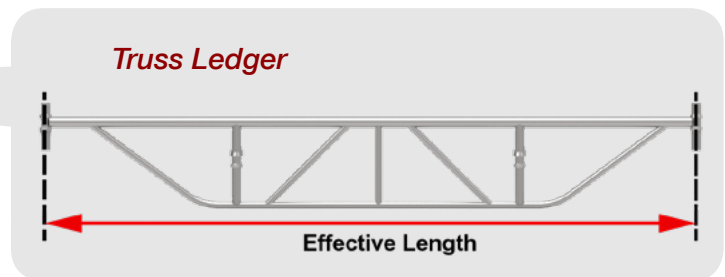
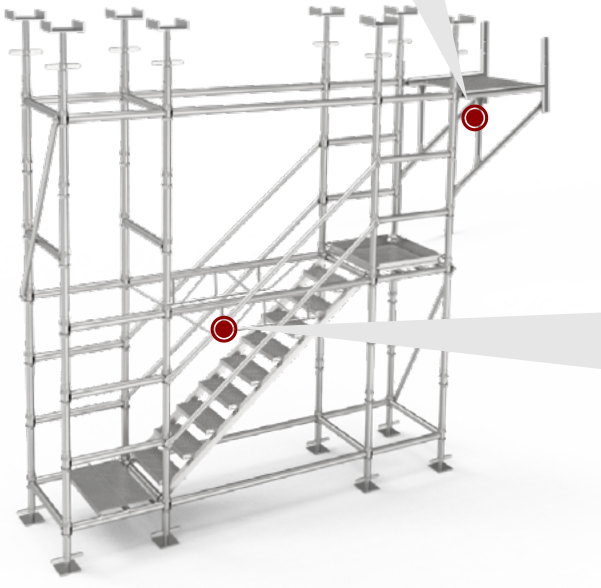
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**Side Bracket**

It is an extension of the cuplock scaffolding system that is designed to extend or widen the reach with steel planks put on it. Together with steel planks, it forms a platform that can be used for storing building accessories.

Item	Effective Length	Weight
	(mm)	(kg)
CLS-SB-320	290	1.5
CLS-SB-400	570	5.4
CLS-SB-610	800	6.8



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**Truss Ledger**

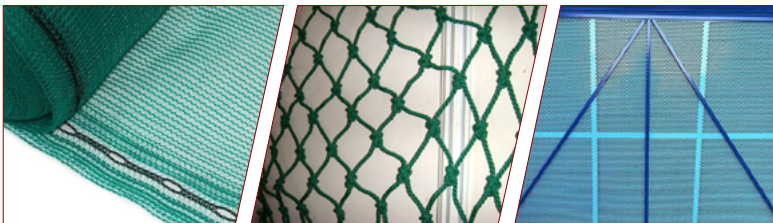
It is engineered to enable the working platform withstand higher working loads. Reinforced tubes and stiffener plates support the top tube to provide additional strength.

Item	Height	Weight
	(mm)	(kg)
CLS-TL-1000	1000	4.62
CLS-TL-1500	1500	6.50
CLS-TL-2000	2000	8.38
CLS-TL-2500	2500	10.27
CLS-TL-3000	3000	12.16

**CUPLOCK SCAFFOLDING**

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**Optional Accessories**



Vertical debris netting for scaffolding systems

Horizontal debris netting for scaffolding systems

Perimeter safety screen for scaffolds

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**Features**

- Hot-dip galvanized or PVC coated surface treatment provides a good corrosion resistance effect.
- The cup lock connection consisting of a fixed welded lower cup and a sliding upper cup can lock four basic components in one operation.
- It is a multifunctional steel scaffolding System for all access and supports.
- All sizes are available upon request.

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**Package & Delivery**



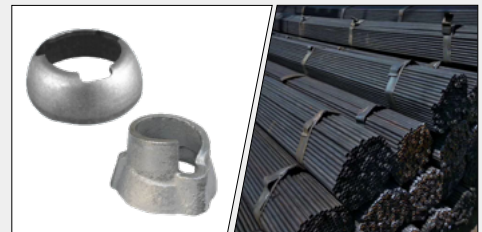
Cuplock scaffolding ledgers in warehouse

Cuplock scaffolding standards in warehouse

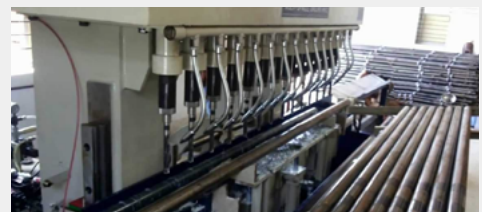
Cuplock scaffold components transportation

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**Production Line**



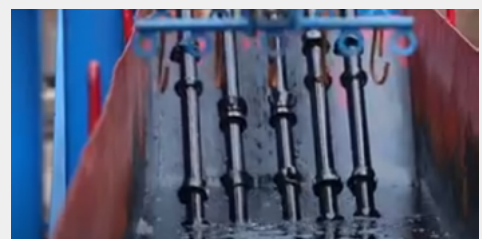
Raw material – upper cup, lower cup and steel pipes



Pipe cutting & pipe drilling



Standard and lower cup welding



Standard surface treatment



Package & storage

CUPLOCK SCAFFOLDING

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Cuplock scaffold for high-rise construction



# SCAFFOLDING APPLICATION

Cuplock scaffold for bridge construction



Cuplock scaffold for highway construction

