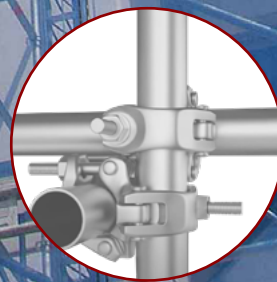
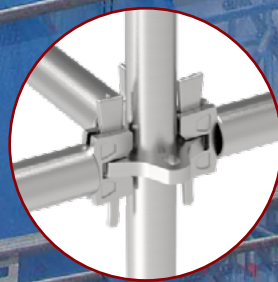
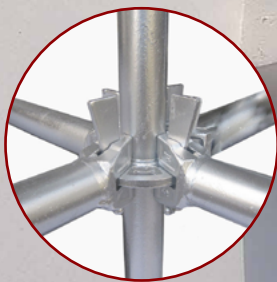


SCAFFOLDING

Multiple Scaffolding Solutions
Meet All Your Construction
Demands

2020



Shandong Xingying International Trading Co., Ltd.
<https://www.defenal.com>



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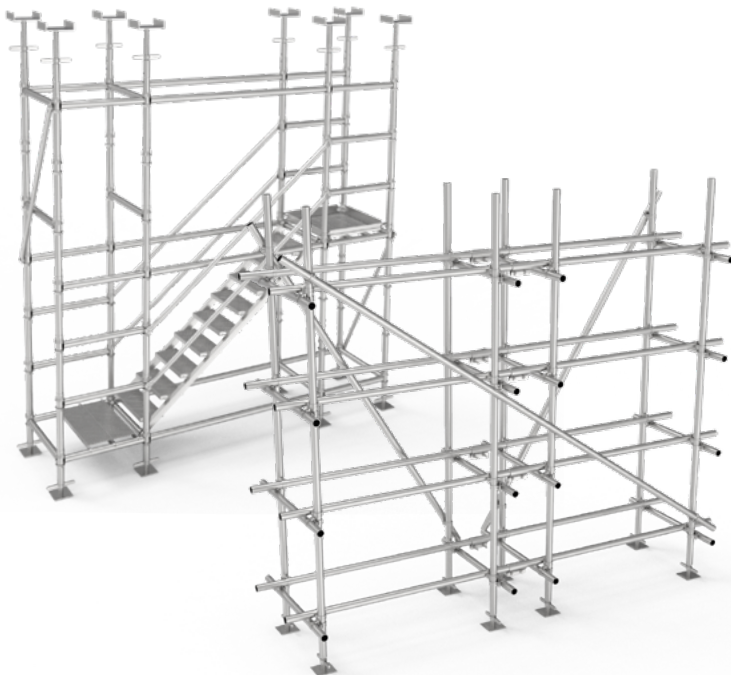


About XINGYING



Established in 2000, **Shandong Xingying International Trading Co., Ltd.** is a professional scaffolding manufacturer and supplier in China. We enjoy a high reputation in scaffolding industry and are highly recognized by customers both at home and abroad.

We are specialized in the production and export of all kinds of tube and coupler scaffold, ringlock scaffolding, cuplock scaffolding and quicklock scaffolding. Both galvanized and PVC coated scaffolding systems are available. A wide range of sizes and configurations are available as well. We have nearly 80 sets of production facilities and more than 300 production workers to ensure high production efficiency and output.



Drawings Supply

We supply CAD & PDF drawings about the scaffold designs, detailed technical data, accessories and installation types.

Cost-Effective Solutions

We focus on developing and supplying reliable and cost-effective scaffold solutions to meet the exact needs of our customers.

International Standards

We follow the industry and international production and products standards and ensure all our tolerances are within the standard requirements.

Technical Support

We supply installation guidance and technical support for your efficient installation and use during your projects.

Free Samples & Brochures

We supply free samples for you test and product brochures along with the samples for your reference.

Customization Service

We try our best to supply customization service to meet all your special requirements.

PRODUCTION EQUIPMENT



What We have?

Pipe straightening machine	5
Pipe cutting machine	8
Riveting machine	5
Punching machine	10
Welding robot	5
Automatic welding machine	15
Disk saw machine	8
Drilling machine	6

Advanced equipment and skilled workers ensure our high efficient production and large output. We can help customers save procurement cost through saving material costs and reducing production loss. We can also accept urgent and large orders and ensure timely delivery under strict QC system.

Pipe straightening machine



Pipe cutting machine



Cuplock scaffolding standard welding machine



Welding robot



Ringlock scaffolding standard welding machine



Drilling machine



QUALITY CONTROL



We insist on quality first and all our products going through strict quality control procedures before leaving the factory to ensure that all products received are qualified.

Accord with International Standards

All our productions are produced in accordance with international standards, including ISO, ASTM, Australia and other standards. All product tolerances are within the standard requirements.

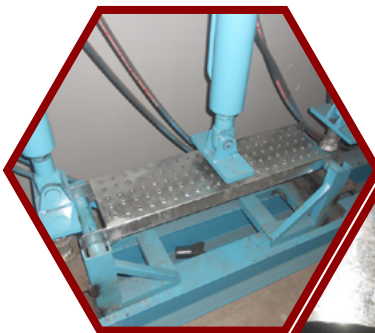
A Large Number of Skillful Workers

All our workers must pass through the induction training before taking up their posts. We have a large number of skillful workers who have at least 3 years of production experience and follow strict standard operating procedures to operate machine skillfully and smoothly. Besides, their efficient work can improve production efficiency and reduce production cost.

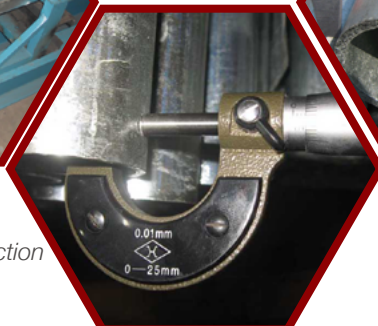
Strict QC System

We have strict quality control system to inspect our products before, during and after production. Any defect will be detected and separated. We promise all our products we delivered are qualified.

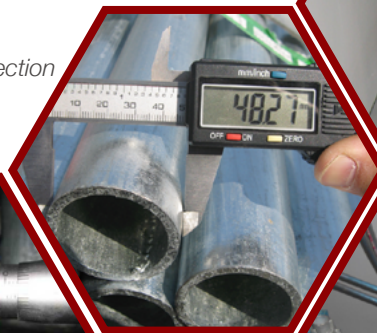
Scaffold steel plank test



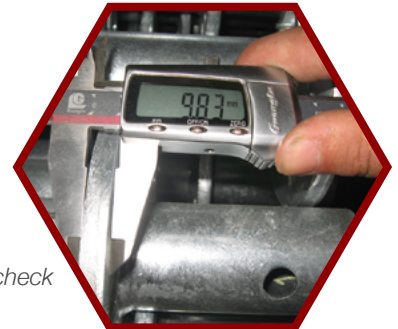
Wall thickness inspection



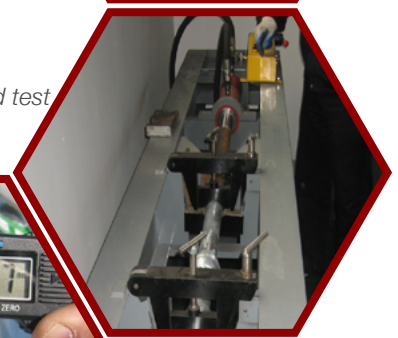
Diameter inspection



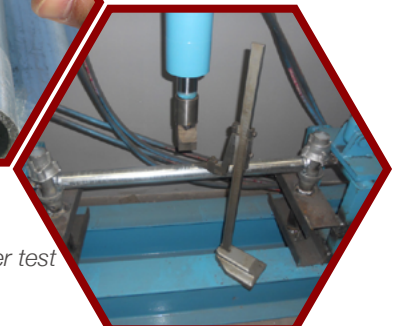
Ring plate thickness check

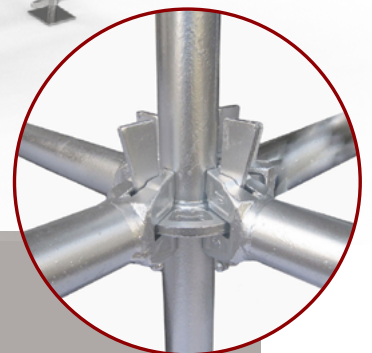


Cuplock standard test



Cuplock ledger test





RINGLOCK SCAFFOLDING

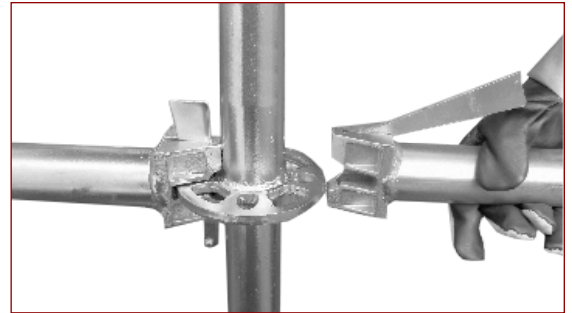
RINGLOCK SCAFFOLDING

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Ringlock scaffolding is a multi-purpose modular scaffolding system with ring lock joints. It is easy to install and operate with only one or two workers required. Workers can install, use and disassemble this temporary working platform quickly, thereby saving time and labor costs.

It can be flexibly assembled into modular scaffolding, birdcage scaffolding, suspended scaffolding, mobile scaffolding and supported scaffolding.

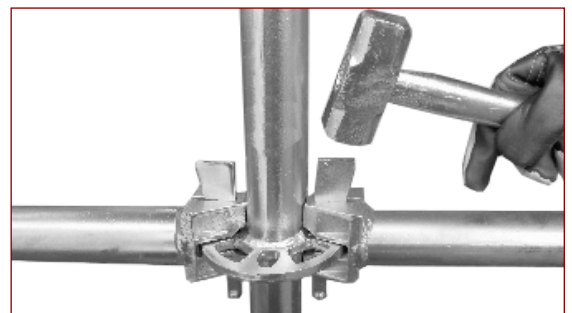
Characterized by high flexible installation angle, ringlock scaffolding can be used for structures with complex facades and shapes, such as the constructing, maintaining and decorating buildings with domes and spires, building ships and erecting tunnels and bridges.


Assemble Process


Place the ledger or the diagonal brace to the desired position



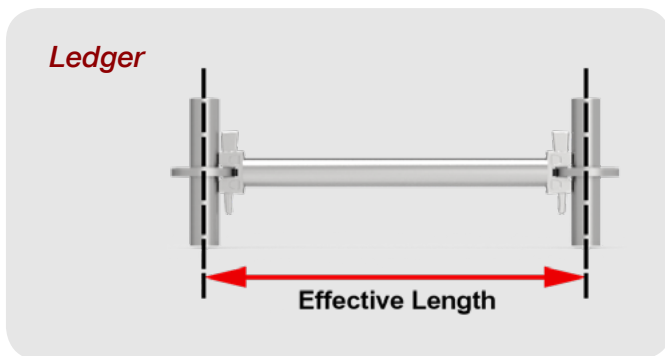
Insert the wedge pin into the appropriate opening



Hammer the wedge pin; the ledger and diagonal automatically fall into place.

RINGLOCK SCAFFOLDING

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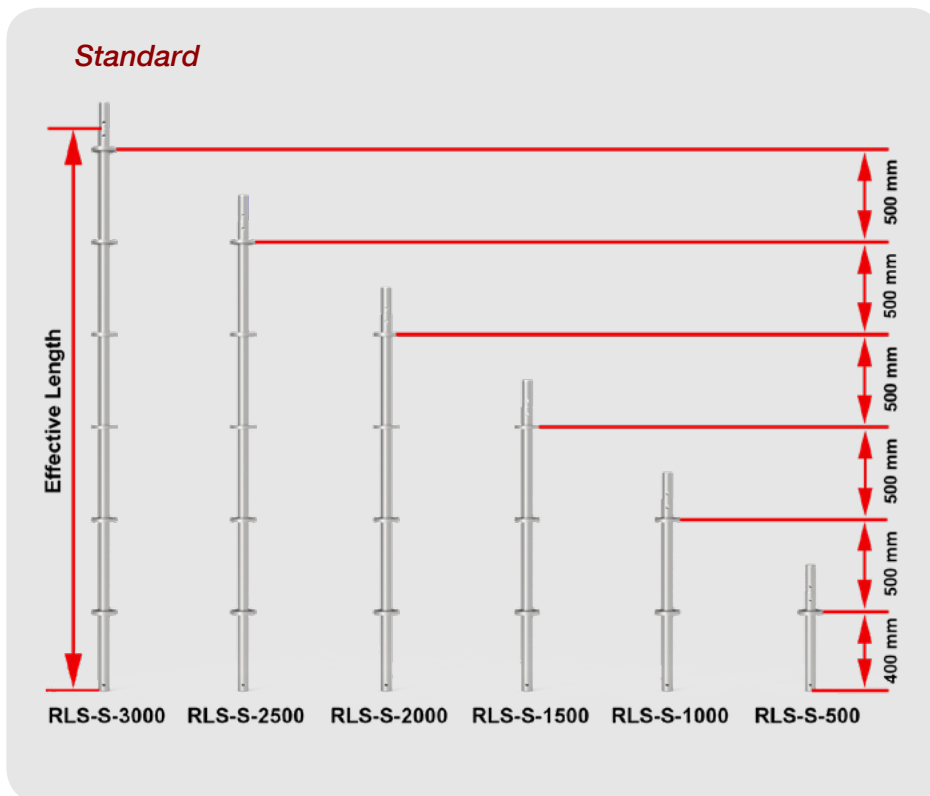
It refers to the horizontal members of the ringlock scaffolding that are used to provide horizontal support for the load and steel planks. It consists of a steel pipe with a ledger head welded on both ends and two wedge pins. The wedge pin is used to fix the ledger head onto the ring plate firmly by inserting it into the ring plate through the hole on the ledger head. The ledger head is produced by cast steel wax molds.

Item	Effective Length	Pipe Diameter	Pipe Wall Thickness	Weight	Minimum Tension	Yield Limit
	(mm)	(mm)	(mm)	(kg)	(MPa)	(MPa)
RLS-L-610	610	48.3	3.25	3.04	517	414
RLS-L-920	920	48.3	3.25	4.13	517	414
RLS-L-1070	1070	48.3	3.25	4.56	517	414
RLS-L-1220	1220	48.3	3.25	5.20	517	414
RLS-L-1520	1520	48.3	3.25	6.18	517	414
RLS-L-1820	1830	48.3	3.25	7.31	517	414
RLS-L-2130	2130	48.3	3.25	8.38	517	414
RLS-L-2440	2440	48.3	3.25	9.57	517	414
RLS-L-2740	2740	48.3	3.25	11.02	517	414
RLS-L-3050	3050	48.3	3.25	11.96	517	414

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

RINGLOCK SCAFFOLDING


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



Item	Effective Length	Pipe Diameter	Pipe Wall Thickness	Weight	Minimum Tension	Yield Limit
	(mm)	(mm)	(mm)	(kg)	(MPa)	(MPa)
RLS-S-500	500	48.3	3.25	3.1	517	414
RLS-S-1000	1000	48.3	3.25	5.5	517	414
RLS-S-1500	1500	48.3	3.25	7.7	517	414
RLS-S-2000	2000	48.3	3.25	10.1	517	414
RLS-S-2500	2500	48.3	3.25	13.1	517	414
RLS-S-3000	3000	48.3	3.25	15.0	517	414

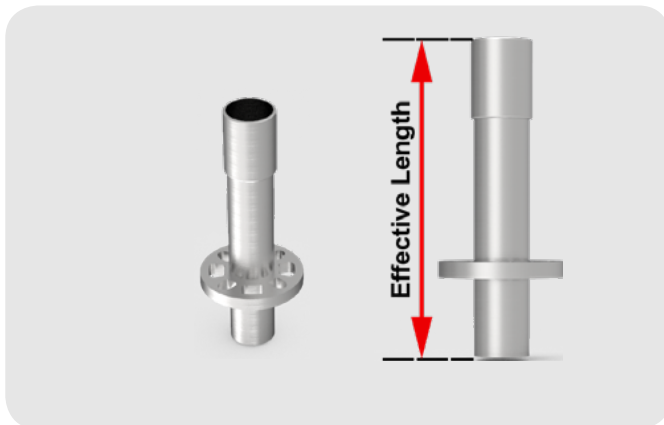
RINGLOCK SCAFFOLDING

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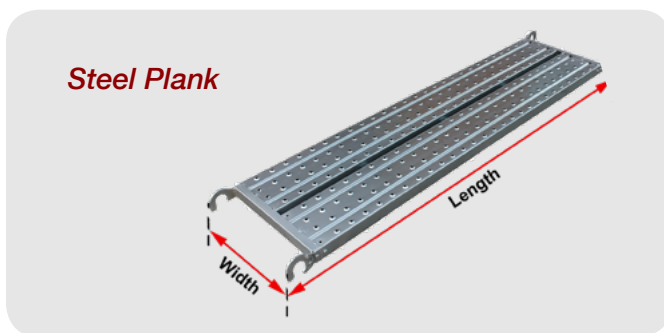
Base Collar

It is a connection component of the ringlock scaffolding system. It is placed over the adjustable jack base and below the first layer standards.

Item	Length (mm)	Weight (kg)
RLS-BC-300	300	2.43



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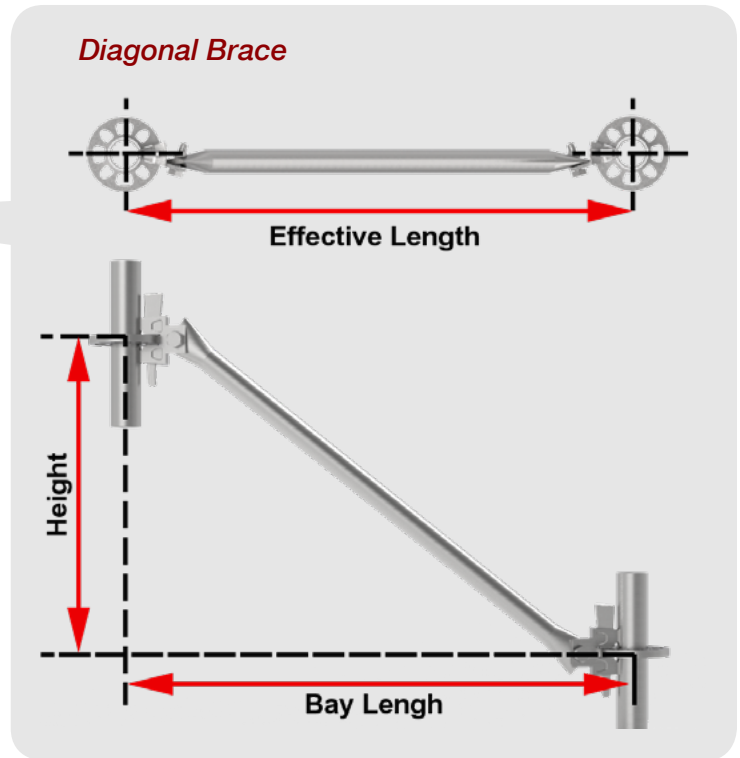


It is a very important part of the ringlock scaffolding system. It is fixed on the ringlock scaffolding ledger for workers to walk on. Every corner is provided with a welded hook. Two or three beams are welded under the scaffold plank. Perforated plates are used to improve its anti-slip performance.

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

RINGLOCK SCAFFOLDING

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It consists of a steel pipe with a diagonal brace head bolted on both ends and two wedge pins. The wedge pin is used to fix the diagonal brace head onto the ring plate firmly by inserting it into the ring plate through the hole on the diagonal brace head.

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

Item	Bay Length	Height	Pipe Diameter	Pipe Wall Thickness	Weight	Minimum Tension	Yield Limit
	(mm)	(mm)	(mm)	(mm)	(kg)	(MPa)	(MPa)
RLS-DB-920	920	2000	48.3	2.5	7.90	483	345
RLS-DB-1070	1070	2000	48.3	2.5	8.22	483	345
RLS-DB-1220	1220	2000	48.3	2.5	8.30	483	345
RLS-DB-1520	1520	2000	48.3	2.5	8.33	483	345
RLS-DB-1830	1830	2000	48.3	2.5	9.47	483	345
RLS-DB-2130	2130	2000	48.3	2.5	9.87	483	345
RLS-DB-2440	2440	2000	48.3	2.5	10.6	483	345
RLS-DB-3050	3050	2000	48.3	2.5	12.17	483	345

RINGLOCK SCAFFOLDING

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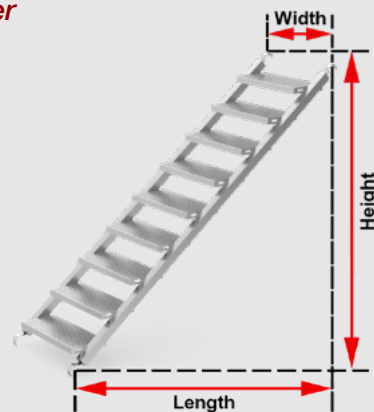
Stair Stringer

Stair stringer is fixed on the ringlock 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. Anti-slip stair treads provide superior anti-slip performance and ensure the safety of workers walking on it.

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



Stair Stringer

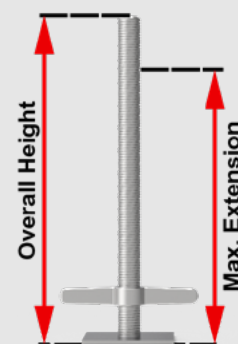


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Jack Base

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

Jack Base



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

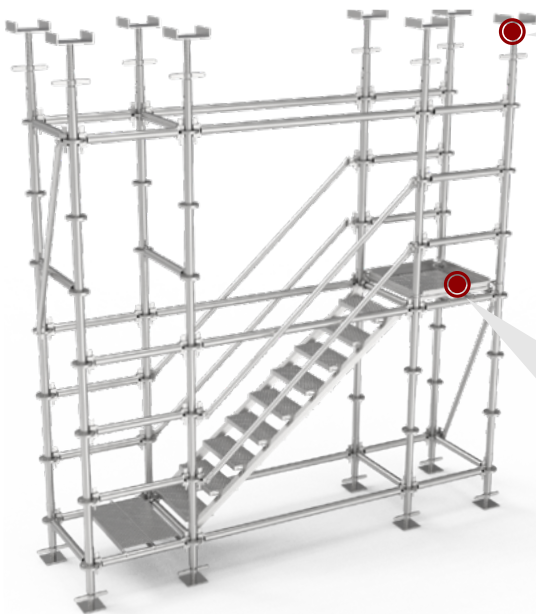
RINGLOCK SCAFFOLDING

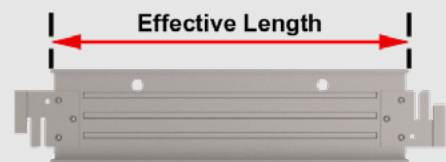
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U-head Jack

It is mainly used to connect ringlock 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)			
RLS-UHJ-600	600	32, 34, 36, 38	160 × 90 × 30	5
RLS-UHJ-800	800	32, 34, 36, 38	160 × 90 × 30	5


U-head Jack

Steel Toe Plate


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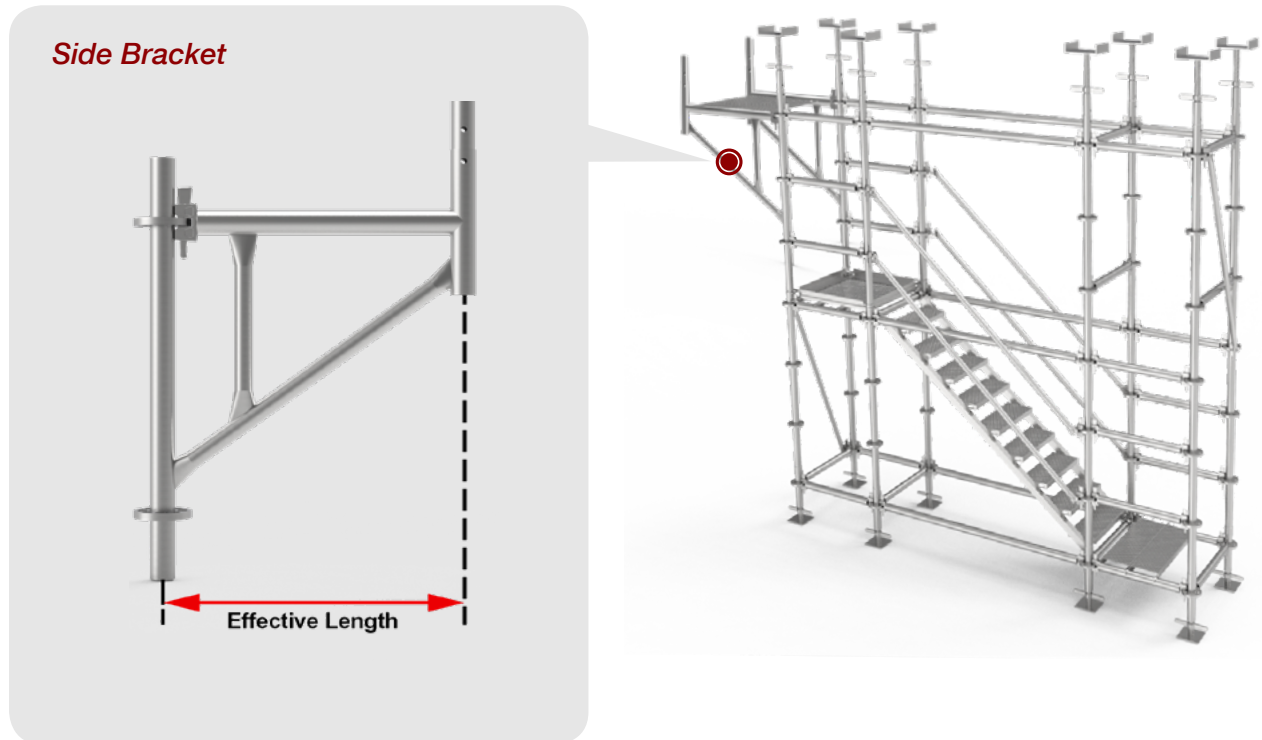
Steel Toe Plate

It is a long steel plate set on the ledgers equipped with scaffold planks. 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)
RLS-STB-830	830	180
RLS-STB-1000	1000	180
RLS-STB-1140	1140	180
RLS-STB-1440	1440	180
RLS-STB-1500	1500	180
RLS-STB-1750	1750	180
RLS-STB-2050	2050	180
RLS-STB-2360	2360	180
RLS-STB-2500	2500	180
RLS-STB-2660	2660	180
RLS-STB-2970	2970	180

RINGLOCK SCAFFOLDING

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It is an extension of the ringlock 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.

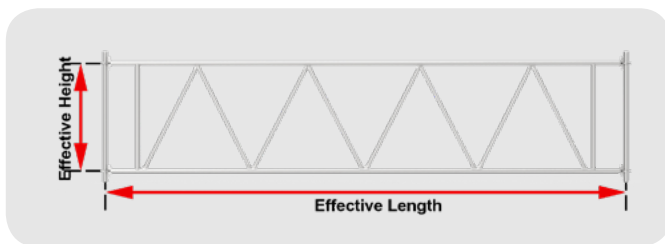
Item	Effective Length	Pipe Diameter	Pipe Wall Thickness	Weight
	(mm)	(mm)	(mm)	(mm)
RLS-SB-320	320	48.3	3.25	1.71
RLS-SB-400	400	48.3	3.25	4.71
RLS-SB-610	610	48.3	3.25	5.90
RLS-SB-650	650	48.3	3.25	6.10
RLS-SB-740	740	48.3	3.25	6.59
RLS-SB-880	880	48.3	3.25	7.45
RLS-SB-920	920	48.3	3.25	8.56
RLS-SB-1000	1000	48.3	3.25	9.04
RLS-SB-1070	1070	48.3	3.25	9.33
RLS-SB-1150	1150	48.3	3.25	10.42

RINGLOCK SCAFFOLDING

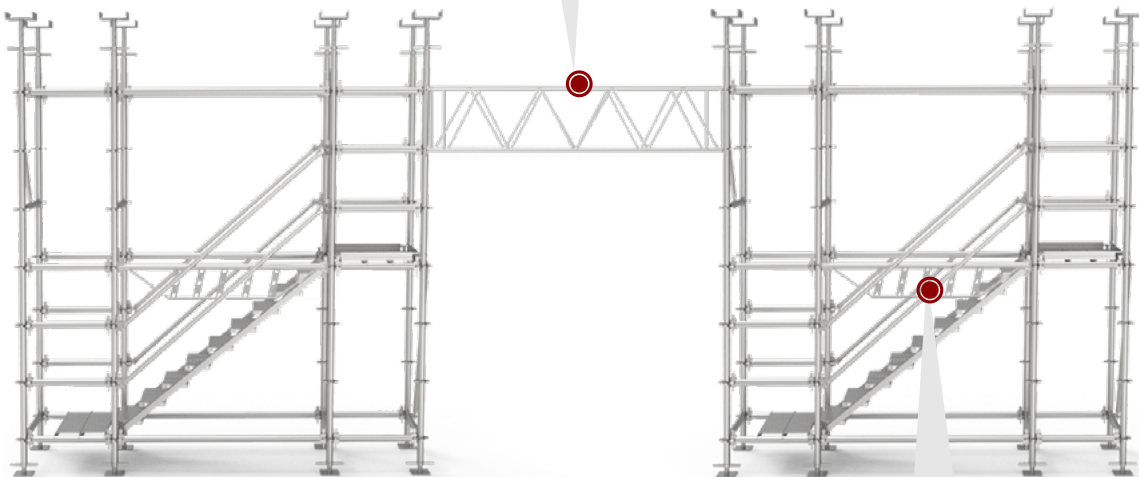
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Lattice Girder

It is a horizontal member of ringlock scaffolding that allows for scaffolding over large spans or gaps to provide horizontal support for the load and steel planks.



Item	Effective Length (mm)	Height (mm)	Weight (kg)
RLS-LG-2130	2130	500	24.15
RLS-LG-2580	2580	500	28.20
RLS-LG-3050	3050	500	31.90
RLS-LG-4270	4270	500	45.24
RLS-LG-4880	4880	500	49.85
RLS-LG-5490	5490	500	56.00
RLS-LG-6100	6100	500	62.87
RLS-LG-6400	6400	500	63.35
RLS-LG-8540	8540	500	94.00

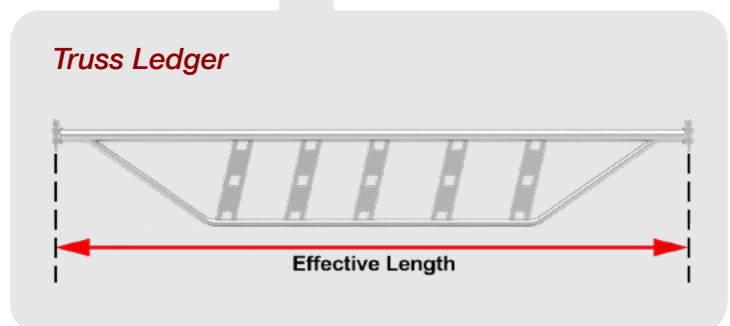


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Truss Ledger

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.

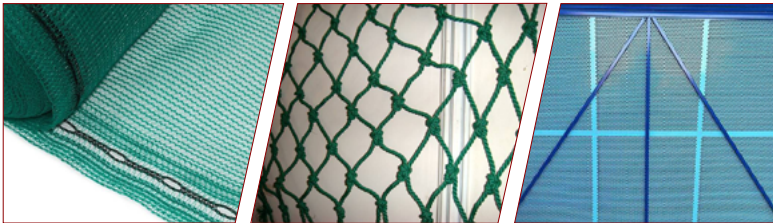
Item	Length (mm)	Weight (kg)
RLS-TL-1000	1000	4.62
RLS-TL-1500	1500	6.50
RLS-TL-2000	2000	8.38
RLS-TL-2500	2500	10.27
RLS-TL-3000	3000	12.16

Truss Ledger


RINGLOCK 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

- All components are made of Q235 steel and Q345 steel.
- Hot dip galvanized surface treatment enables it provide a durable service life.
- Firm and safe ring lock connection.
- Few basic components, easy to install.
- Strong flexibility and can meet the construction requirements of various geometric structures.

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Warehouse Gallery



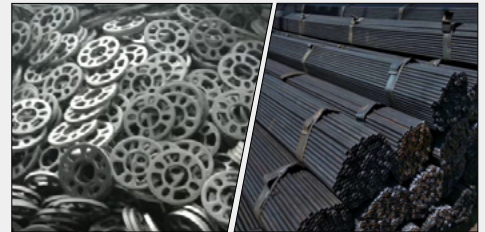
Ringlock scaffolding components in warehouse

Ringlock scaffolding ledgers in warehouse

Ringlock scaffold steel plank

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Production Line



Raw material – ring plate & steel pipe



Pipe cutting



Standard and ring plate welding



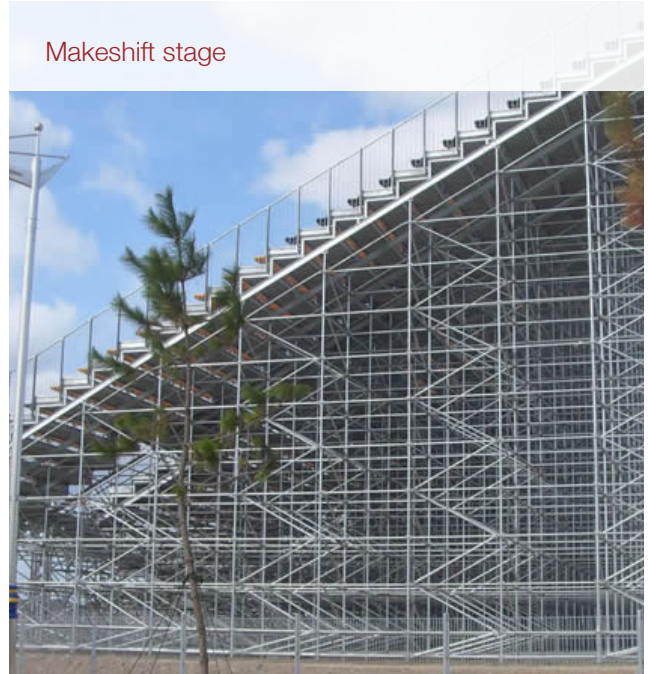
Standard surface treatment – galvanized



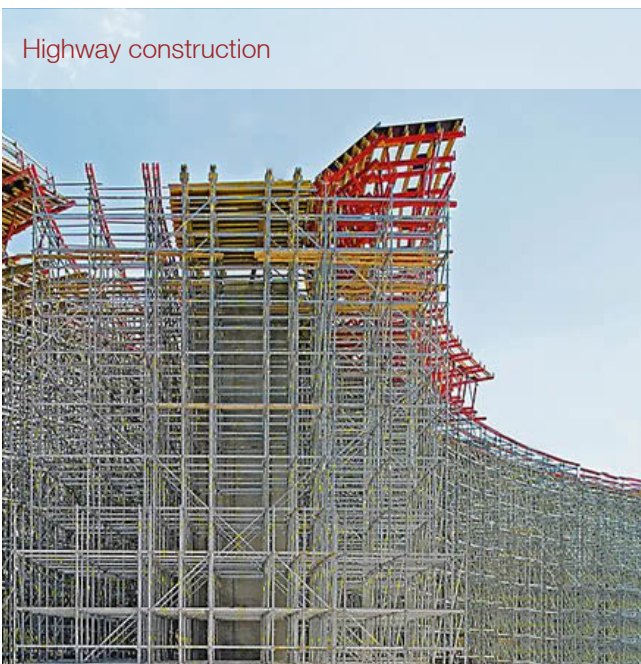
Package & storage

RINGLOCK SCAFFOLDING

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SCAFFOLDING APPLICATION





CUPLOCK SCAFFOLDING

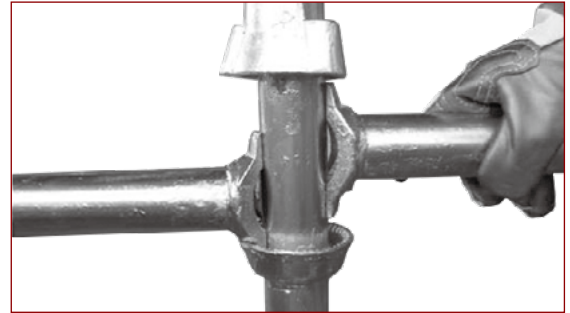
CUPLOCK SCAFFOLDING

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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.

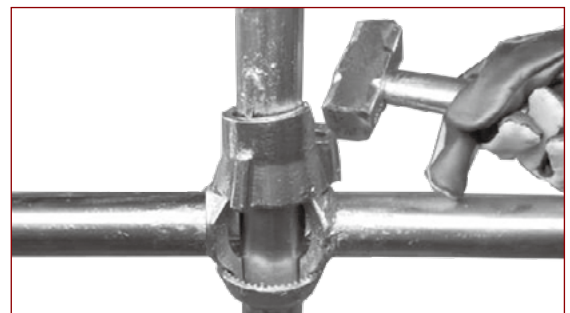
It can be flexibly assembled into modular scaffolding, birdcage scaffolding, suspended scaffolding, mobile scaffolding and supported scaffolding. It is widely used in industrial facilities, oil refineries, shipyards, construction sites, temporary stands, etc.


Assemble Process


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



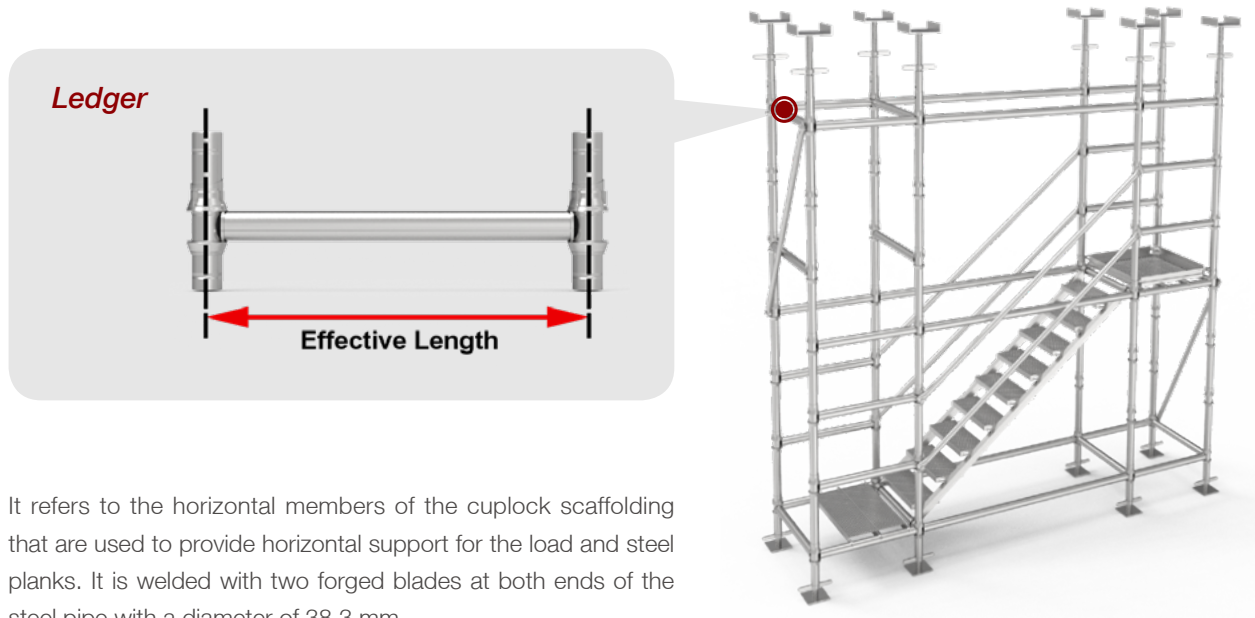
Slide the upper cup down to cover the ledger forged blades



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

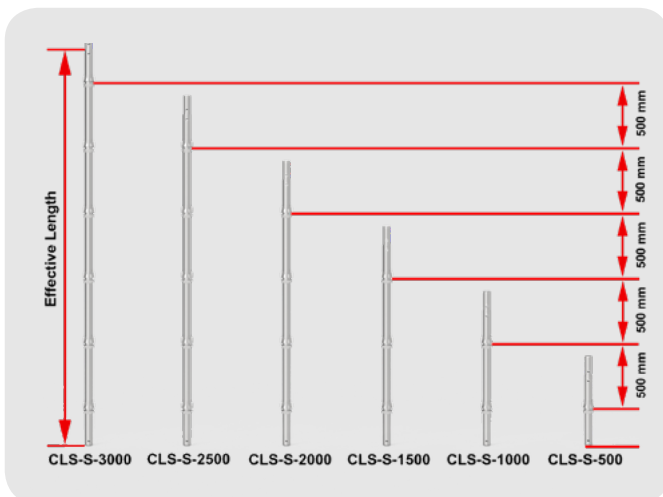
The sizes in the table are conventional sizes; other sizes are available upon request.

CUPLOCK SCAFFOLDING

Standard

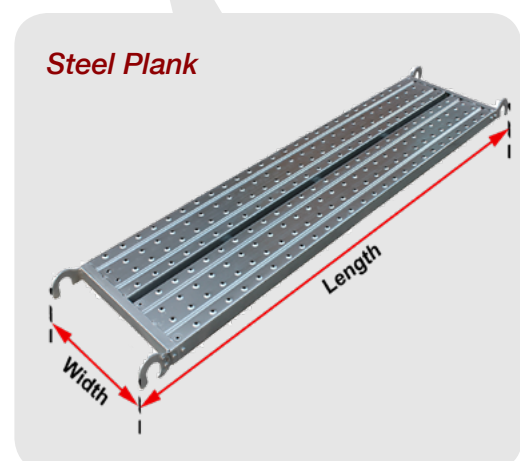
It refers to the vertical members of the cuplock scaffolding system that are used to provide vertical support for the cuplock scaffolding system.

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

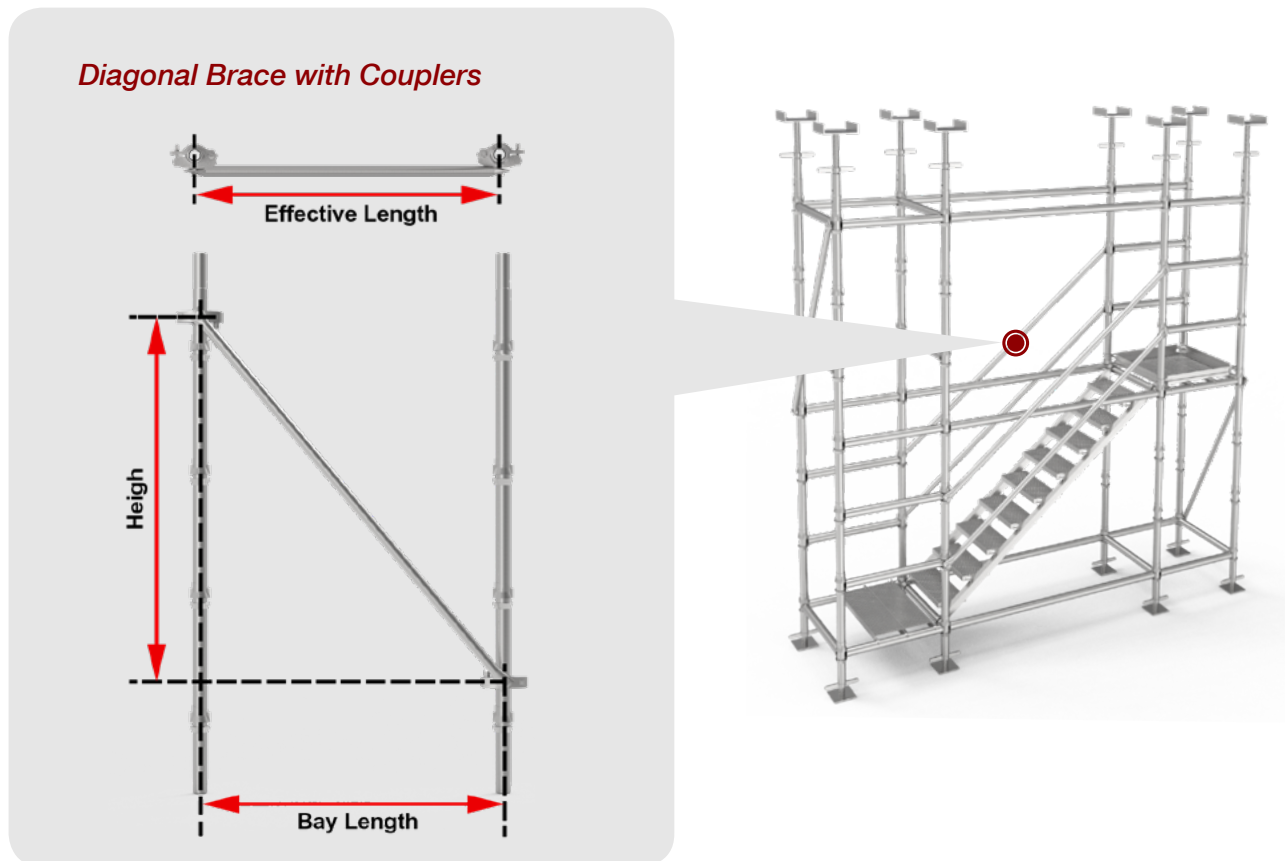
It is a very important part of the cuplock scaffolding system. It is fixed on the cuplock scaffolding ledger for workers to walk on. Every corner is provided with a welded hook. Two or three beams are welded under the scaffold plank. Perforated plates are used to improve its anti-slip performance.

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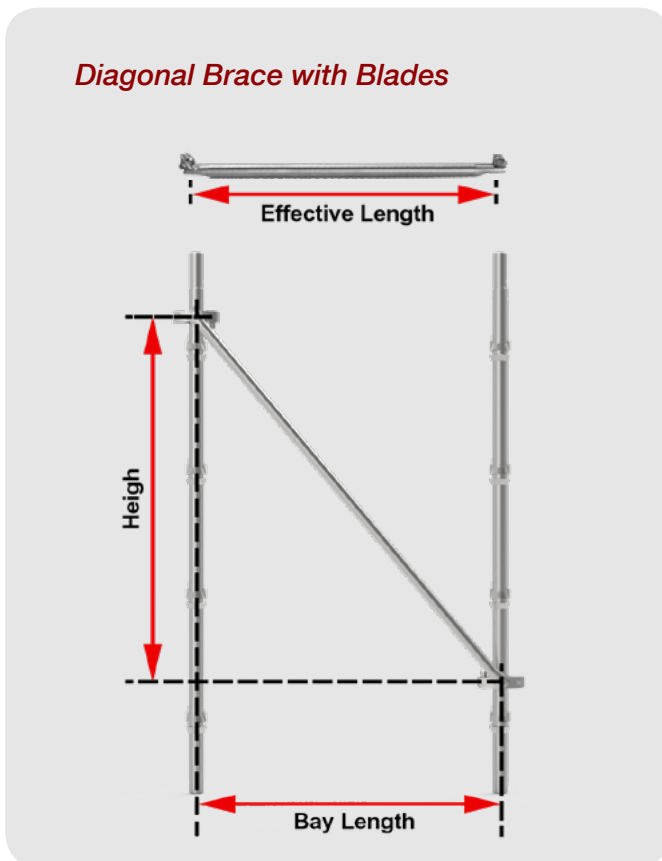
It is used to connect two adjacent cuplock scaffold standards at different horizontal lines via couplers at both ends, thereby forming a triangle with the standard and the ledger and providing a more stable cuplock scaffolding system based on the theory of triangular stability.

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

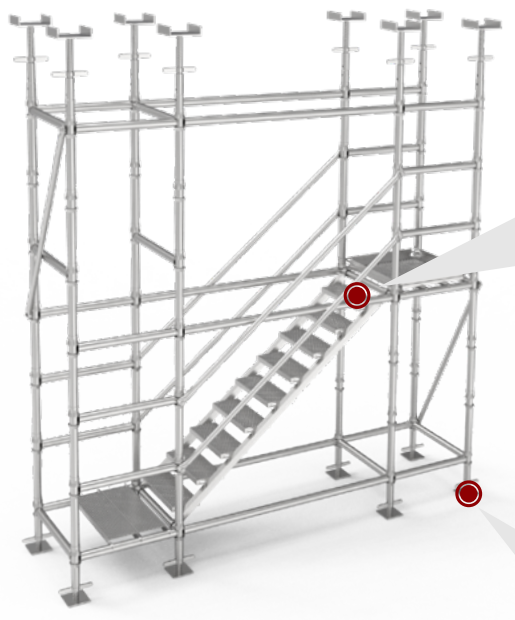


Stair Stringer

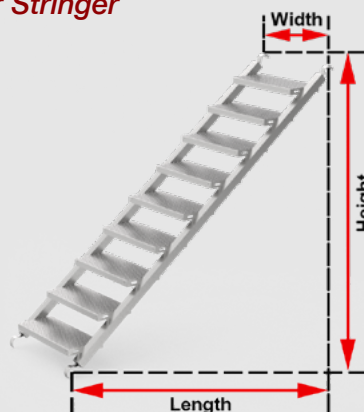
Stair stringer is fixed on the cuplock scaffolding ledger to provide a ramp for workers to climb up to the upper access. It consists of rectangular steel pipes with hooks and anti-slip stair treads. Diamond-strut anti-slip stair treads are employed to provide superior anti-slip performance and ensure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



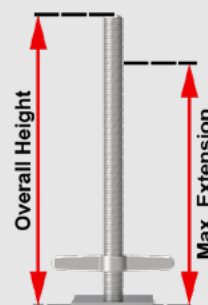
Stair Stringer



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.

Jack Base



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

CUPLOCK SCAFFOLDING

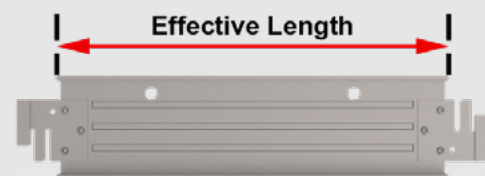
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U-head Jack

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

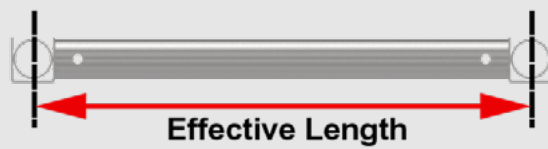
It is a long steel plate set on the standards on both sides of the scaffold plank access. It is almost as high as the instep, therefore, it is called steel toe board. It is mainly used to prevent objects from falling off when they roll to the steel toe board and prevent workers from falling.

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

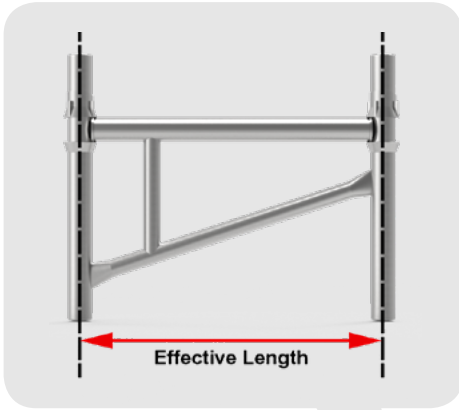


It is designed to provide a safe mid-bay support for scaffold boards. One end is provided with an integral locking device to prevent movement along the ledger direction during use.

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

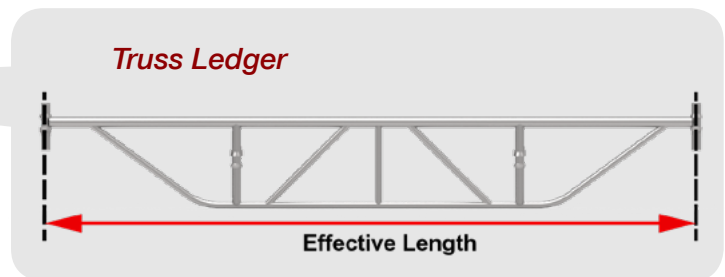
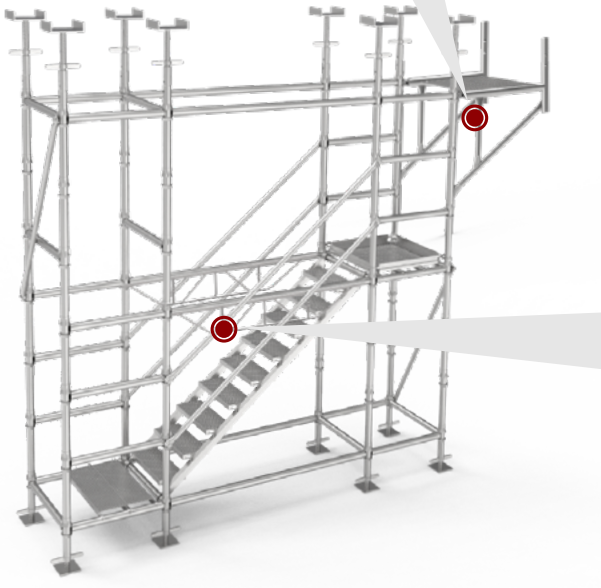
CUPLOCK SCAFFOLDING

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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

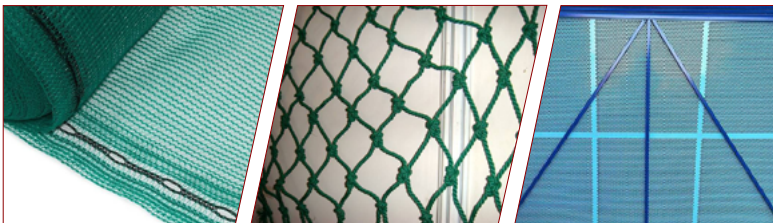
It is engineered to enable the working platform withstand higher working loads. Reinforced tubes and stiffener plates support the top tube to provide additional strength.

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



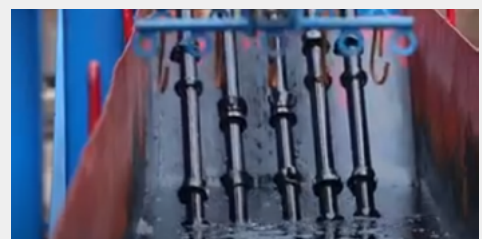
Raw material – upper cup, lower cup and steel pipes



Pipe cutting & pipe drilling



Standard and lower cup welding



Standard surface treatment



Package & storage

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Cuplock scaffold for high-rise construction



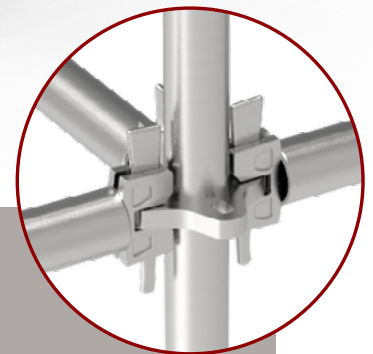
SCAFFOLDING APPLICATION

Cuplock scaffold for bridge construction



Cuplock scaffold for highway construction





QUICKLOCK SCAFFOLDING

QUICKLOCK SCAFFOLDING

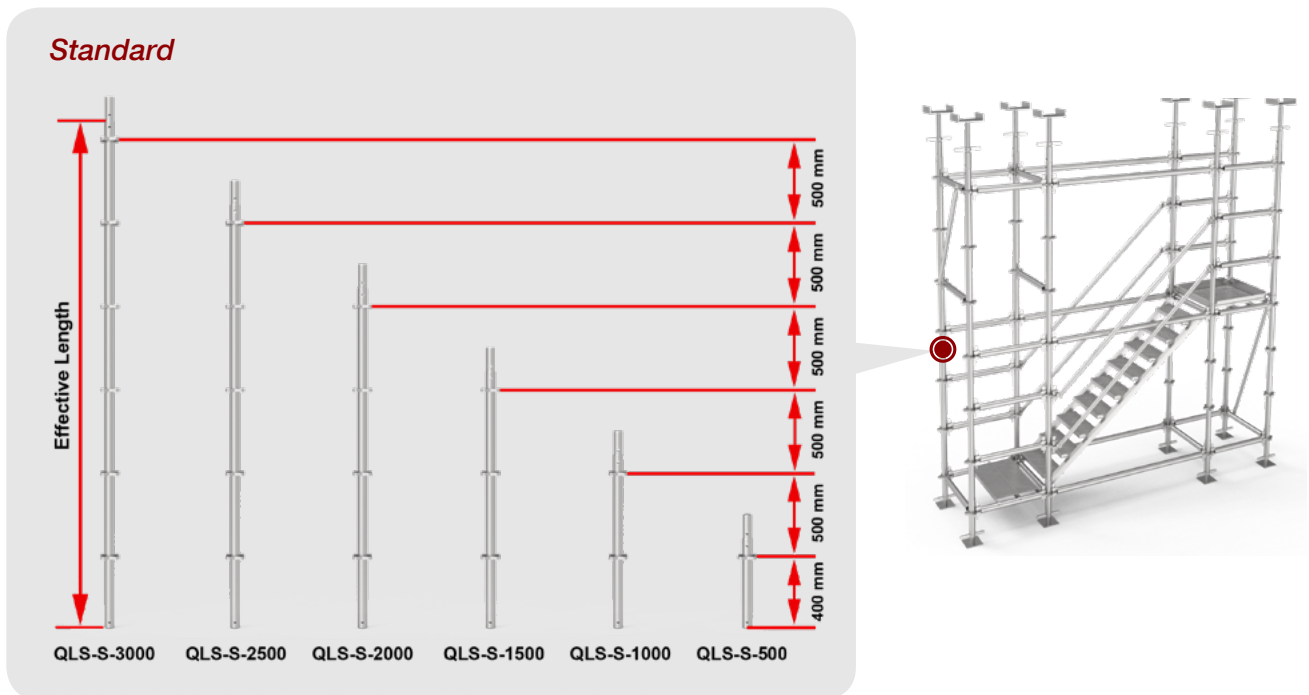
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Quicklock scaffolding is a light, compact & versatile type of scaffolding that can be erected in a short period.

It serves as load-bearing scaffold and working scaffold to provide support for general access and supporting vertical loads.

It can be flexibly assembled into modular scaffolding, birdcage scaffolding, suspended scaffolding, mobile scaffolding and supported scaffolding. It is widely used in high-rise, bridge, viaduct and highway constructions, tunnel and church maintenance and building renovations.

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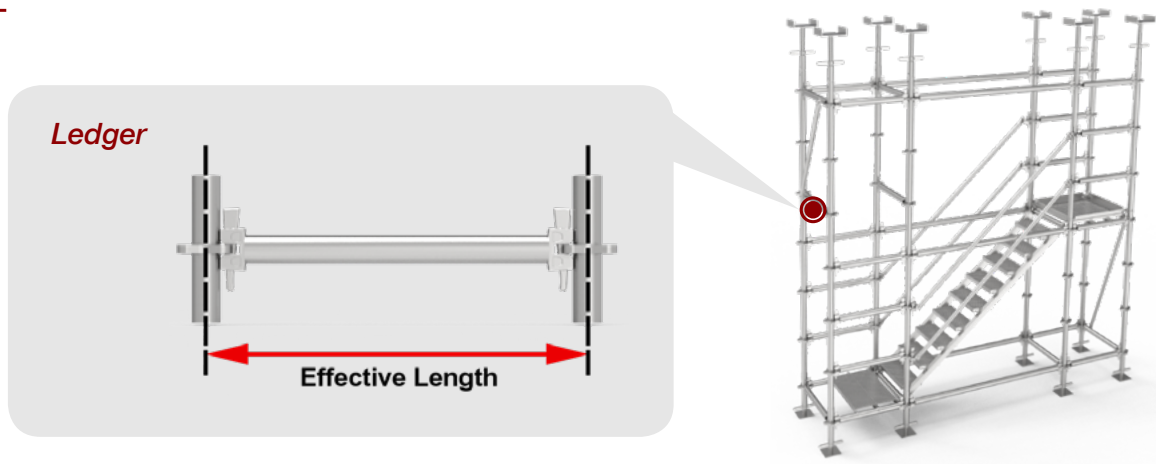


It refers to the vertical members of the quicklock scaffolding system that are used to provide vertical support for the quicklock scaffolding system

Item	Effective Length (mm)	Pipe Diameter (mm)	Pipe Wall Thickness (mm)	Weight (kg)	Minimum Tension (MPa)	Yield Limit (MPa)
QLS-S-500	500	48.3	3.25	2.97	517	414
QLS-S-1000	1000	48.3	3.25	5.16	517	414
QLS-S-1500	1500	48.3	3.25	7.31	517	414
QLS-S-2000	2000	48.3	3.25	9.47	517	414
QLS-S-2500	2500	48.3	3.25	11.63	517	414
QLS-S-3000	3000	48.3	3.25	11.63	517	414

QUICKLOCK SCAFFOLDING

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It refers to the horizontal members of the quicklock scaffolding that are used to provide horizontal support for the load and steel planks. It consists of a steel pipe with a ledger wedge welded on both ends and two wedge pins. The wedge pin is used to fix the ledger wedge onto the cross plate firmly by inserting it into the cross plate through the hole on the ledger head. The ledger head is produced by cast steel wax molds.

Specification of Ledgers

Item	Effective Length (mm)	Pipe Diameter (mm)	Pipe Wall Thickness (mm)	Weight (kg)	Minimum Tension (MPa)	Yield Limit (MPa)
QLS-L-400	400	48.3	3.25	1.95	517	414
QLS-L-500	500	48.3	3.25	2.35	517	414
QLS-L-610	610	48.3	3.25	2.66	517	414
QLS-L-650	650	48.3	3.25	2.76	517	414
QLS-L-700	700	48.3	3.25	2.90	517	414
QLS-L-730	730	48.3	3.25	3.00	517	414
QLS-L-740	740	48.3	3.25	3.06	517	414
QLS-L-920	920	48.3	3.25	3.60	517	414
QLS-L-1070	1070	48.3	3.25	4.05	517	414
QLS-L-1090	1090	48.3	3.25	4.44	517	414
QLS-L-1150	1150	48.3	3.25	4.48	517	414
QLS-L-1220	1220	48.3	3.25	4.75	517	414
QLS-L-1400	1400	48.3	3.25	5.11	517	414
QLS-L-1500	1500	48.3	3.25	5.69	517	414
QLS-L-1520	1520	48.3	3.25	5.96	517	414
QLS-L-1570	1570	48.3	3.25	6.10	517	414
QLS-L-1830	1830	48.3	3.25	7.05	517	414
QLS-L-2070	2070	48.3	3.25	8.05	517	414
QLS-L-2130	2130	48.3	3.25	7.76	517	414
QLS-L-2440	2440	48.3	3.25	8.85	517	414
QLS-L-2570	2570	48.3	3.25	9.80	517	414
QLS-L-3000	3000	48.3	3.25	10.50	517	414
QLS-L-3050	3050	48.3	3.25	11.20	517	414
QLS-L-3070	3070	48.3	3.25	11.65	517	414

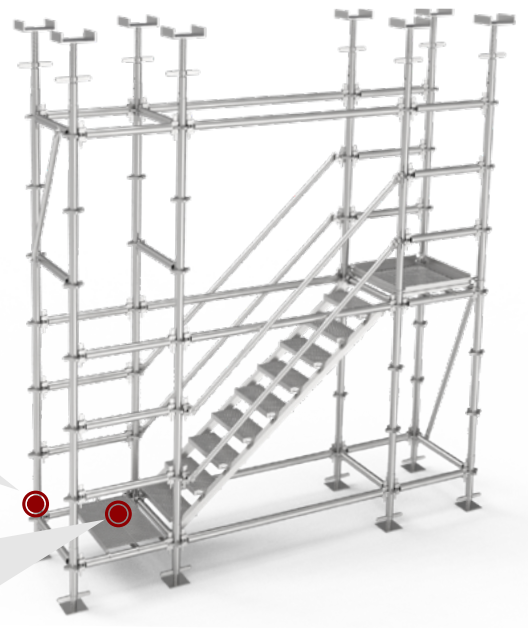
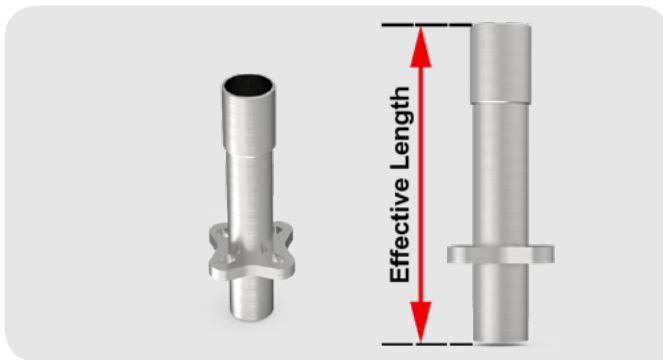
QUICKLOCK SCAFFOLDING

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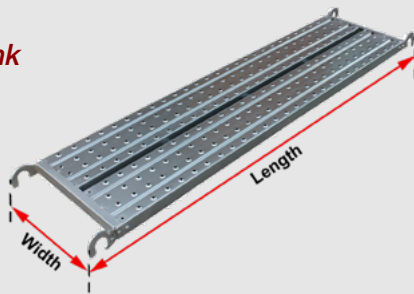
Base Collar

It is a connection component of the quicklock scaffolding system. It is placed over the adjustable jack base and below the first layer standards.

Item	Length (mm)	Weight (kg)
QLS-BC-300	300	2.43



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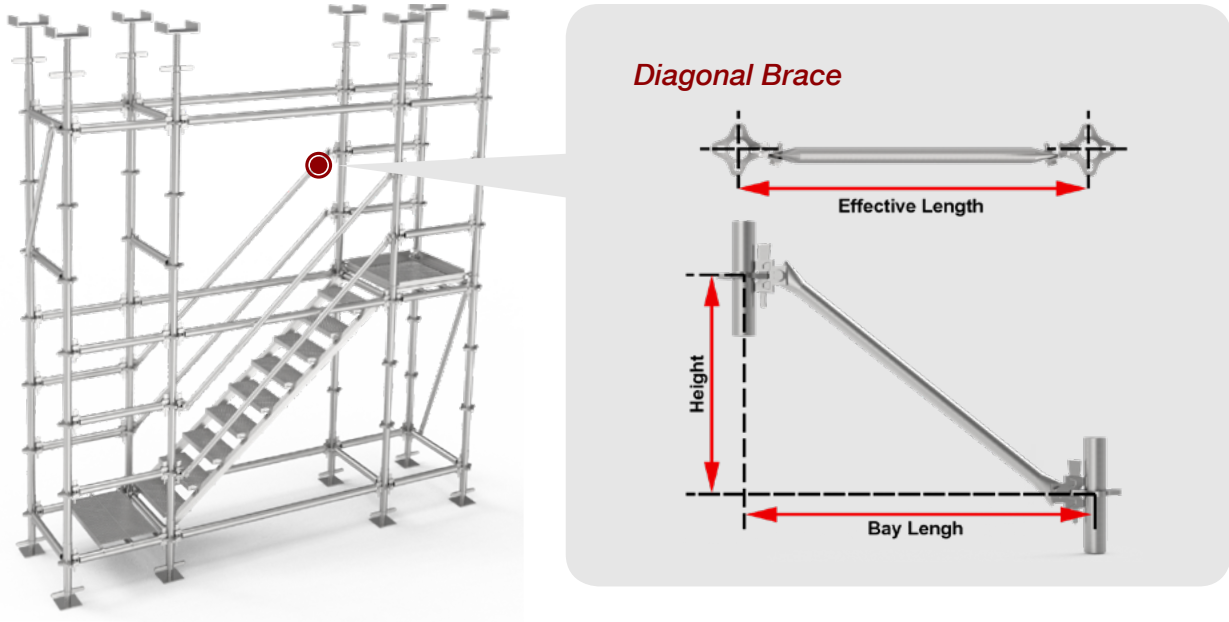
Steel Plank


It is a very important part of the ringlock scaffolding system. It is fixed on the ringlock 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)
QLS-SP-1500	1500	240, 420, 500	1.2, 1.5	43, 50
QLS-SP-1800	1800	240, 420, 500	1.2, 1.5	43, 50
QLS-SP-1530	1530	240, 420, 500	1.2, 1.5	43, 50
QLS-SP-2400	2400	240, 420, 500	1.2, 1.5	43, 50

QUICKLOCK SCAFFOLDING

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

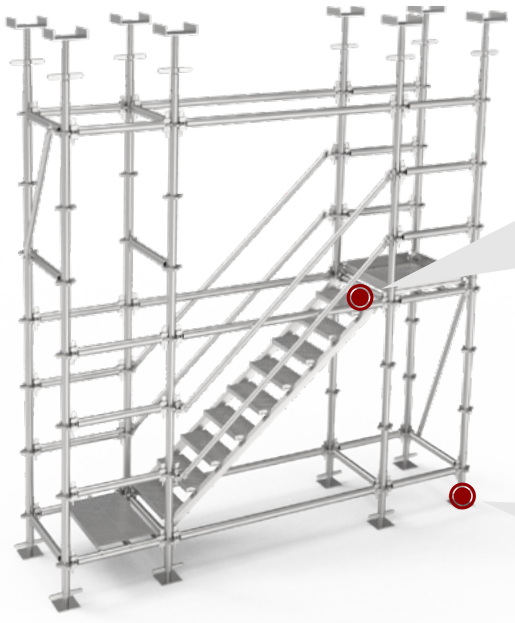
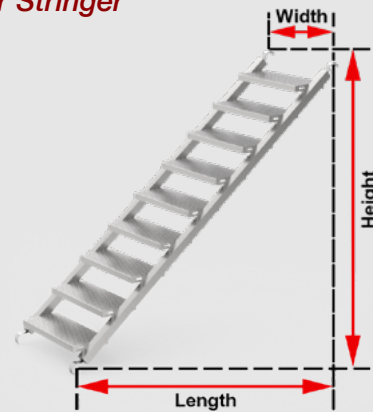
Item	Bay Length	Height	Pipe Diameter	Pipe Wall Thickness	Minimum Tension	Yield Limit
	(mm)	(mm)	(mm)	(mm)	(MPa)	(MPa)
QLS-DB-920	920	2000	48.3	2.5	483	345
QLS-DB-1070	1070	2000	48.3	2.5	483	345
QLS-DB-1090	1090	2000	48.3	2.5	483	345
QLS-DB-1150	1150	2000	48.3	2.5	483	345
QLS-DB-1220	1220	2000	48.3	2.5	483	345
QLS-DB-1400	1400	2000	48.3	2.5	483	345
QLS-DB-1500	1500	2000	48.3	2.5	483	345
QLS-DB-1520	1520	2000	48.3	2.5	483	345
QLS-DB-1570	1570	2000	48.3	2.5	483	345
QLS-DB-1830	1830	2000	48.3	2.5	483	345
QLS-DB-2070	2070	2000	48.3	2.5	483	345
QLS-DB-2130	2130	2000	48.3	2.5	483	345
QLS-DB-2440	2440	2000	48.3	2.5	483	345
QLS-DB-2570	2570	2000	48.3	2.5	483	345
QLS-DB-3000	3000	2000	48.3	2.5	483	345
QLS-DB-3050	3050	2000	48.3	2.5	483	345

QUICKLOCK SCAFFOLDING

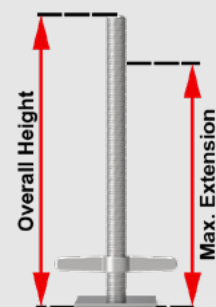
Stair Stringer

Stair stringer is fixed on the quicklock 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)
QLS-SS-1800	1800	550, 860	1800, 2000	43, 50
QLS-SS-1830	1830	420, 450, 860	1725, 1955	43, 50


Stair Stringer

Jack Base

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

Jack Base


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

QUICKLOCK SCAFFOLDING



U-head Jack

It is mainly used to connect quicklock 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.

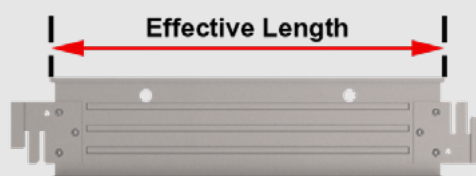
Item	Height	Screw Diameter (mm)	U-Head Size (mm)	U-head Plate Thickness (mm)
	(mm)			
QLS-UHJ-600	600	32, 34, 36, 38	160 × 90 × 30	5
QLS-UHJ-800	800	32, 34, 36, 38	160 × 90 × 30	5



U-head Jack



Steel Toe Plate



Steel Toe Plate

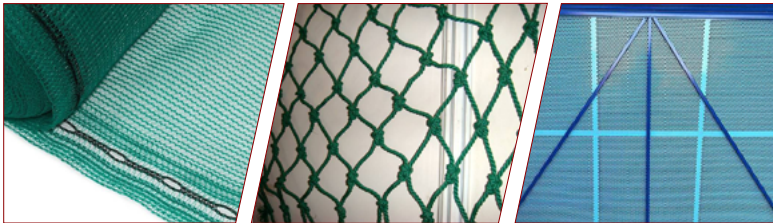
It is a long steel plate set on the ledgers equipped with scaffold planks. It is almost as high as the instep, therefore, it is called steel toe board. It is mainly used to prevent objects from falling off when they roll to the steel toe board and prevent workers from falling.

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

QUICKLOCK SCAFFOLDING

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Optional Accessories



Vertical debris netting for scaffolding systems

Horizontal debris netting for scaffolding systems

Perimeter safety screen for scaffolds

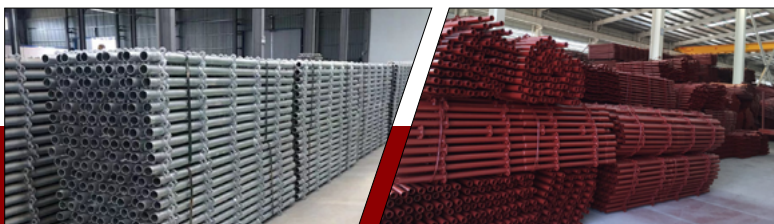
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Features

- All components are made of Q235 steel and Q345 steel.
- Hot-dip galvanized and PVC coated surface treatment enable it provide a durable service life.
- The ultimate work load tested of the vertical is 70 kN (per leg).
- Flexibility, vertical and horizontal are available in a variety of lengths.
- It is a multifunctional steel scaffolding system for all access and supports.

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Surface Treatment



Galvanized

Powder coating

+

Application

Our quicklock scaffold is widely used in high-rise, bridge, viaduct and highway constructions, tunnel and church maintenance and building renovations.

Quicklock scaffold for high-rise construction

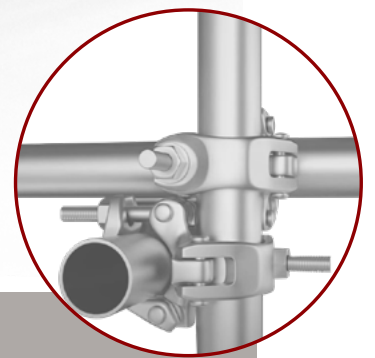
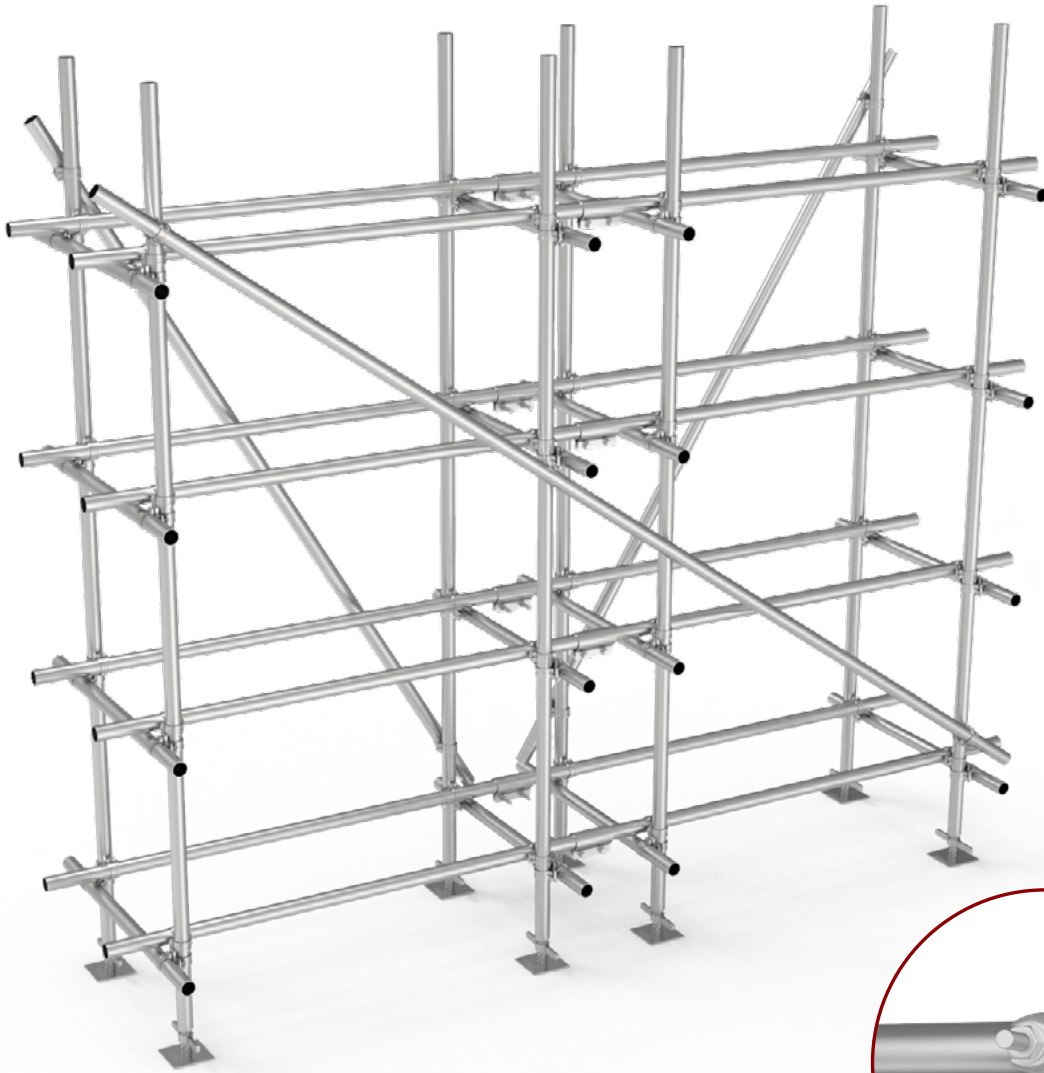


Quicklock scaffold for overpass construction



Quicklock scaffold for bridge construction





TUBE AND COUPLER SCAFFOLDING

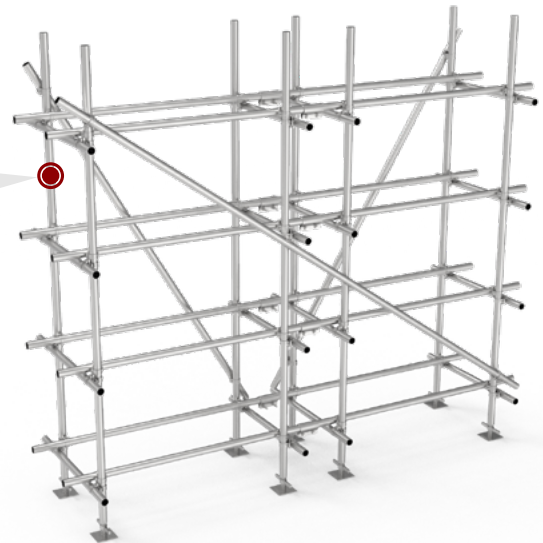
TUBE AND COUPLER SCAFFOLD

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Tube and coupler scaffold, also known as tube and clamp scaffold, is a scaffolding mainly consisting of steel tubes and couplers. It allows connecting steel pipes and couplers at any interval, as long as there is no restriction due to engineering rules and regulations. Therefore, it can create a variable geometry scaffold system with strong adaptability to building and structures with complex geometries, and perform construction and maintenance works on the platform.

It can be flexibly assembled into birdcage scaffolding, suspended scaffolding and supported scaffolding. It is frequently used in refineries, petrochemical plant environments and power plants for construction, maintenance and restoration works. In addition, it can also be used to build ramps, sheds, stands and other temporary structures.

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Steel Tube


It is the main part of the tube and coupler scaffold.

- Steel pipe execution standard: EN 39 / BS 1139 / ASTM A513-07.
- Material: Q235 steel or Q345 steel.
- Surface treatment: hot dip galvanized or PVC coated.
- Packing: 37 or 61 pieces/bundle.

Execution Standard	Tube Diameter	Tube Wall Thickness	Tube Weight	Tube Length	Zinc Content
EN 39	48.3 mm	3.2 mm	3.56 kg/m	0.3–6.3 m	≥ 40 microns
JGJ 130	48.3 mm	3.6 mm	3.97 kg/m	0.3–6.3 m	≥ 40 microns
EN 74	48.3 mm	4 mm	4.37 kg/m	0.3–6.3 m	≥ 40 microns

TUBE AND COUPLER SCAFFOLD

+

Double Coupler

It is used to connect two steel tubes that intersect vertically. It relies on the friction force between the coupler and the steel tube to transfer the load.

Execution Standard	Suitable Tube	Bolt	Nut Sizes	Weight	Material
BS 1139 / EN 74	48.3 mm	T-bolt	17, 19, 21, 22, 23 mm	1.05 kg	drop forged carbon steel

Double Coupler



+

Sleeve Coupler

It is used to connect and extend the length of two steel pipes.

Execution Standard	Suitable Tube	Weight	Material
BS 1139 / EN 74	48.3 mm	0.95 kg	drop forged carbon steel

Sleeve Coupler



Jack Base



Swivel Coupler



+

Jack Base

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

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

+

Swivel Coupler

It is used to connect two steel pipes that intersect at any angle.

Execution Standard	Suitable Tube	Bolt	Nut Sizes	Weight	Material
BS 1139 / EN 74	48.3 mm	T-bolt	17, 19, 21, 22, 23 mm	1.25 kg	drop forged carbon steel

TUBE AND COUPLER SCAFFOLD

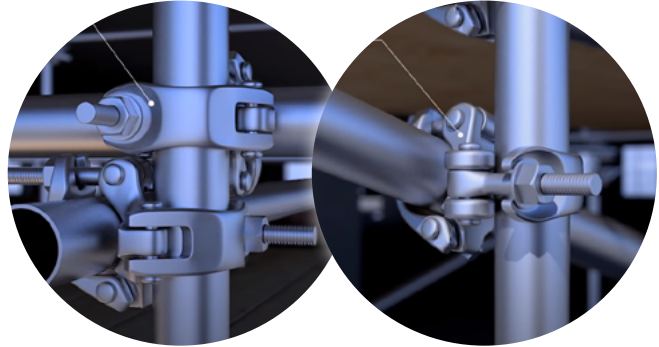
+

Features

- All steel tubes comply with EN 39 / BS 1139 / ASTM AA513-07 executive standards.
- All forged couplers meet BS 1139 / EN 74 executive standards.
- Galvanized surface treatment enables it enjoying a long service life.
- Few basic components, easy to install.
- Strong flexibility and can meet the construction requirements of various geometric structures.

+

Connection Details

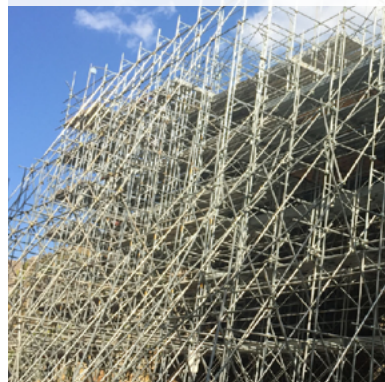


Forged double coupler connection details

Forged swivel coupler connection details



Building maintenance



Structure access



Chemical plant maintenance

SCAFFOLDING APPLICATION



Tunnel construction



Building decoration



SCAFFOLD COUPLER

Scaffold coupler, also known as scaffold clamp, is an integral part of the scaffolding system. Generally, it consists of half-ring main bodies, T-bolts, nuts and gaskets. The main body of the coupler is manufactured by forging process, therefore, it is also known as forged coupler.

It can work with steel tubes to form a flexible tube and coupler system. In addition, it can also work with ringlock scaffolding, cuplock scaffolding and quicklock scaffolding to provide more flexible connection where a single scaffolding system cannot be reached.

All scaffold couplers are manufactured in accordance with BS 1139 standards and EN 74 standards.

We have various types of scaffold couplers like Italian type, German type, British type and American type.



.....
Dimensions: 48.3 x 48.3 mm (1-29/32" x 1-29/32")

Material: drop forged carbon steel

Bolt: T-bolt and hammer bolt

Nut sizes: 17 mm, 19 mm, 21 mm, 22 mm, 23 mm

Surfaces treatment: hot dip galvanized, gold galvanized

Designed to fit tubes with a diameter ranging from 33.7 mm (1-11/32") to 88.9 mm (3-1/2").

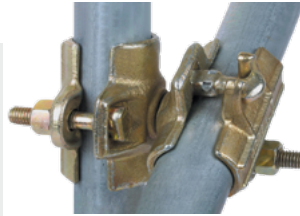
SCAFFOLD COUPLER

+ Italian Type

Italian type
forged half coupler



Italian type
forged double coupler



Italian type
forged swivel coupler

+ Other Couplers

Swivel girder coupler

+ German Type

German type
forged half coupler



German type
forged double coupler



German type
forged swivel coupler



British type
putlog coupler

+ British Type

British type
forged double coupler



British type
forged swivel coupler



British type
anti-slip double coupler



Scaffold sleeve coupler

+ American type

American type
double coupler



American type
swivel coupler



OUR PROJECTS



2019 / Italy

Product: Cuplock Scaffolding
Projects: Academy Project
Quantity: 1 × 40' HQ



2019 / Kenya

Product: Ringlock Scaffolding
Projects: Construction Project
Quantity: 2 × 40' HQ Container



2018 / Ethiopia

Product: Ringlock Birdcage scaffold
Projects: Scenic Area Project



2019 / Bahrain

Product: Cuplock Scaffolding
Projects: City Center Skylight Project
Quantity: 1 × 40' HQ



2019 / China

Product: Quicklock Scaffolding

Projects: Road & Bridge
Construction Project



2018 / South Korea

Product: Cuplock Scaffolding

Projects: Road & Bridge Project



2018 / Malaysia

Product: Facade Cuplock Scaffolding

Projects: Blast Furnace Dedusting
System



2019 / Australia

Product: Ringlock Scaffolding

Projects: Shipbuilding Project



2019 / German

Product: Quicklock scaffolding

Projects: Highway Bridge
Construction



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