

## RINGLOCK SCAFFOLDING

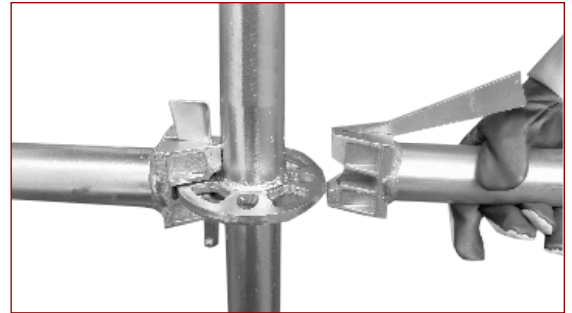
**RINGLOCK SCAFFOLDING**

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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.

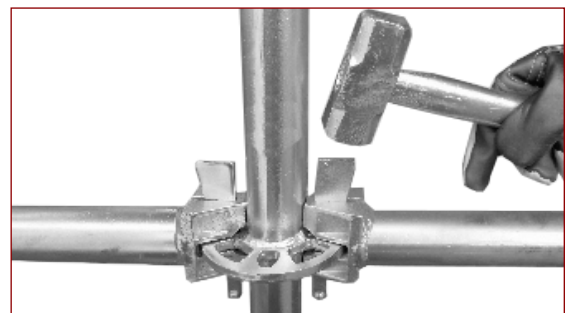
Characterized by high flexible installation angle, ringlock scaffolding can be used for structures with complex facades and shapes, such as the constructing, maintaining and decorating buildings with domes and spires, building ships and erecting tunnels and bridges.


**Assemble Process**


*Place the ledger or the diagonal brace to the desired position*



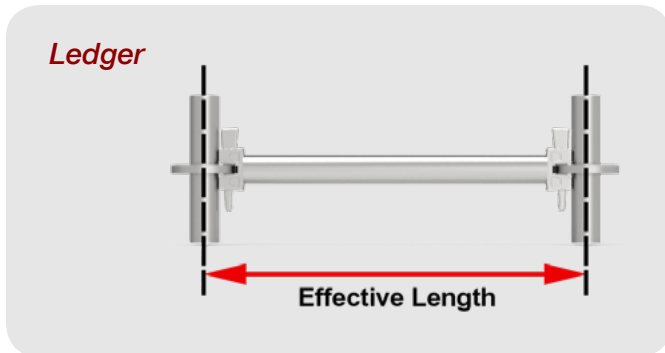
*Insert the wedge pin into the appropriate opening*



*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.

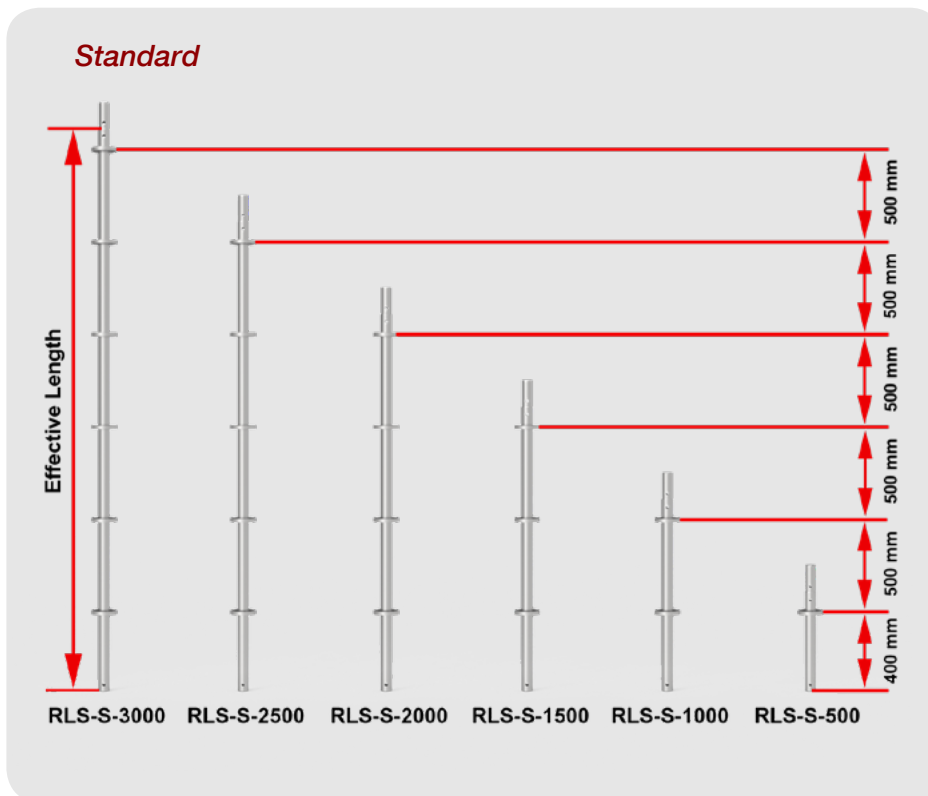
Item	Effective Length	Pipe Diameter	Pipe Wall Thickness	Weight	Minimum Tension	Yield Limit
	(mm)	(mm)	(mm)	(kg)	(MPa)	(MPa)
RLS-L-610	610	48.3	3.25	3.04	517	414
RLS-L-920	920	48.3	3.25	4.13	517	414
RLS-L-1070	1070	48.3	3.25	4.56	517	414
RLS-L-1220	1220	48.3	3.25	5.20	517	414
RLS-L-1520	1520	48.3	3.25	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**

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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

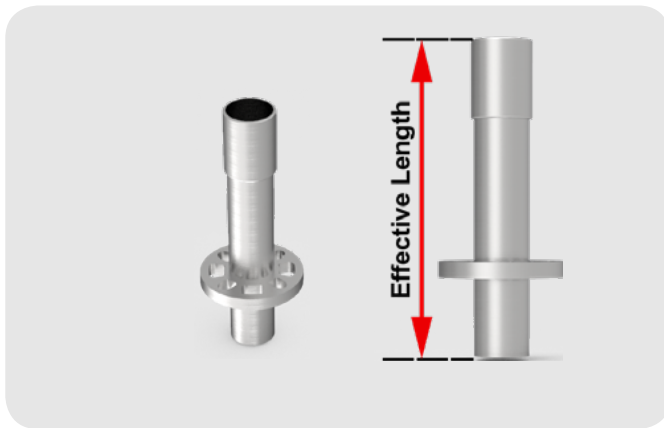
## RINGLOCK SCAFFOLDING

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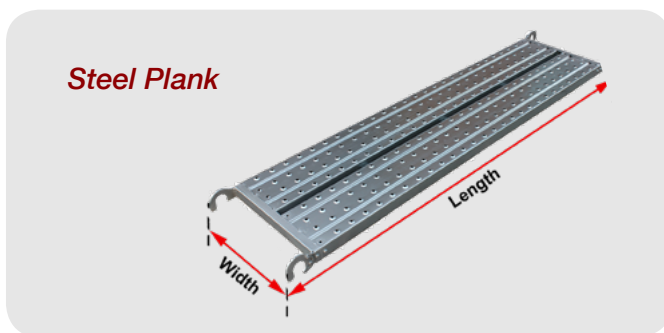
### Base Collar

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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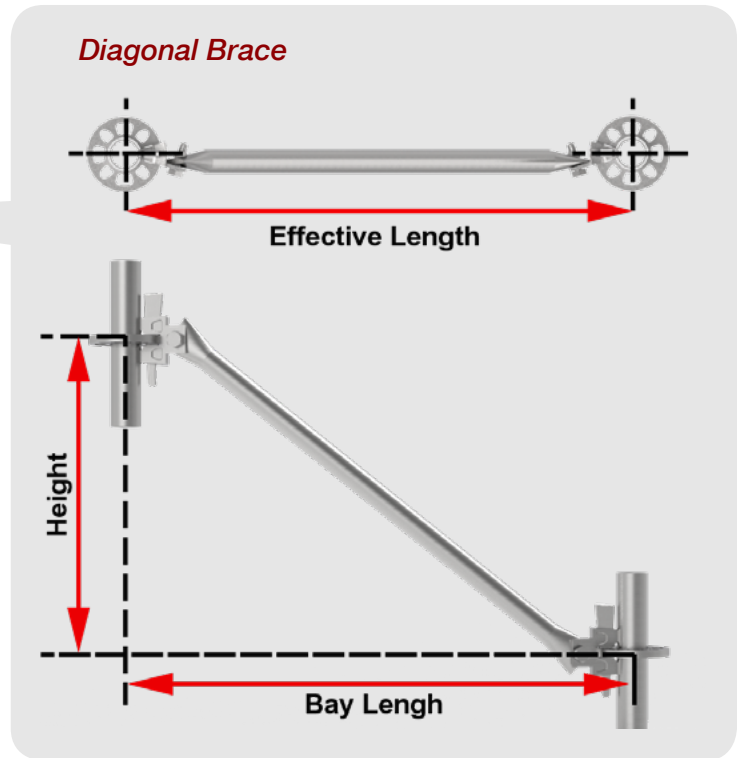


It is a very important part of the ringlock scaffolding system. It is fixed on the ringlock scaffolding ledger for workers to walk on. Every corner is provided with a welded hook. Two or three beams are welded under the scaffold plank. Perforated plates are used to improve its anti-slip performance.

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

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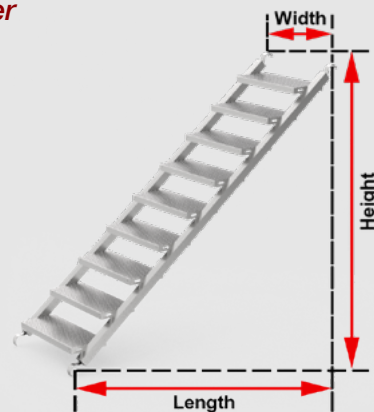
### Stair Stringer

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

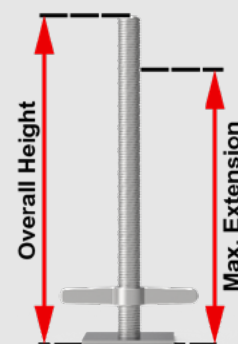


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### Jack Base

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

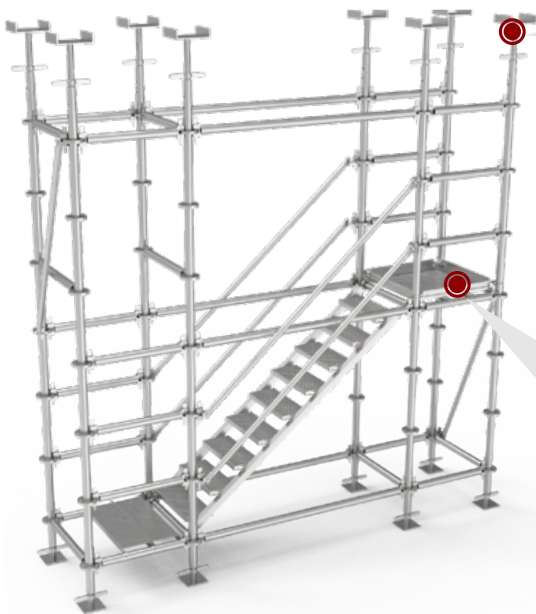
**RINGLOCK SCAFFOLDING**

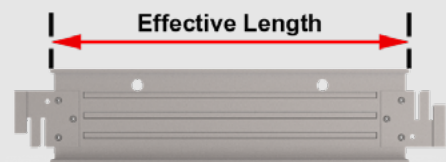
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**U-head Jack**

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 (mm)	U-Head Size (mm)	U-head Plate Thickness (mm)
	(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**

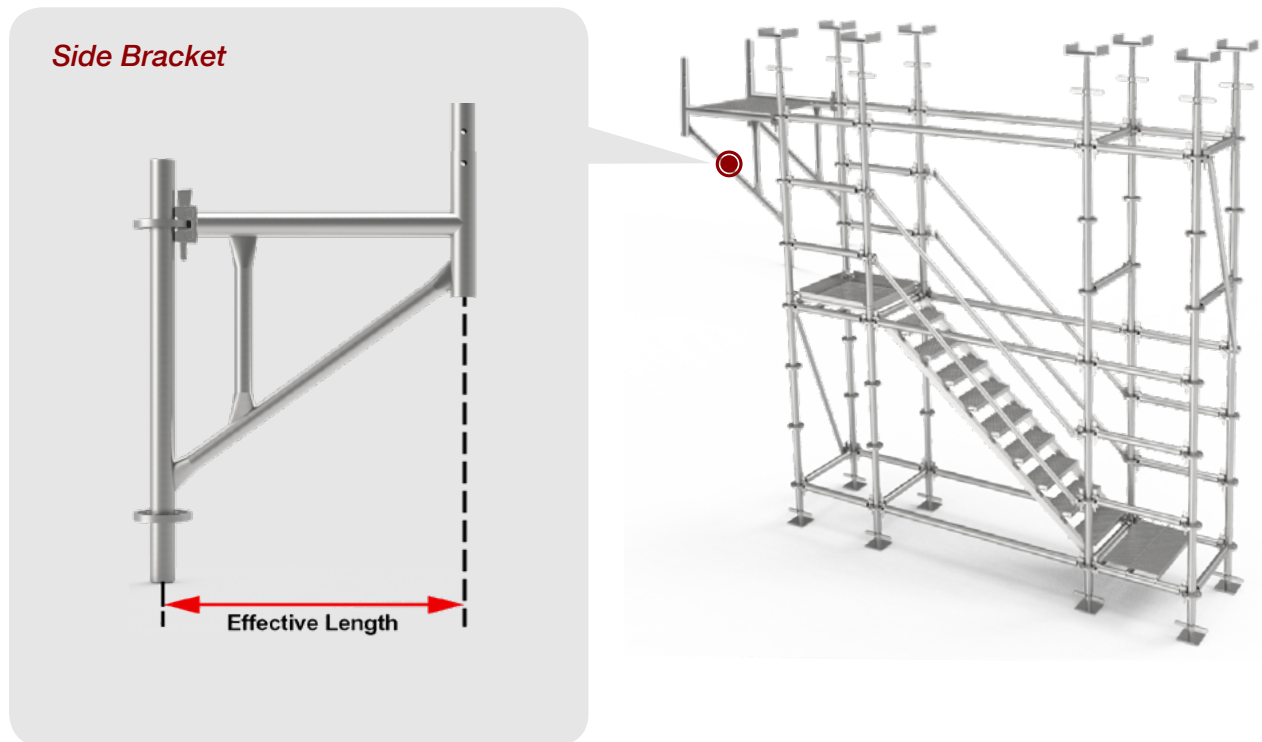
It is a long steel plate set on the ledgers equipped with scaffold planks. It is almost as high as the instep, therefore, it is called steel toe board. It is mainly used to prevent objects from falling off when they roll to the steel toe board and prevent workers from falling.

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



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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.

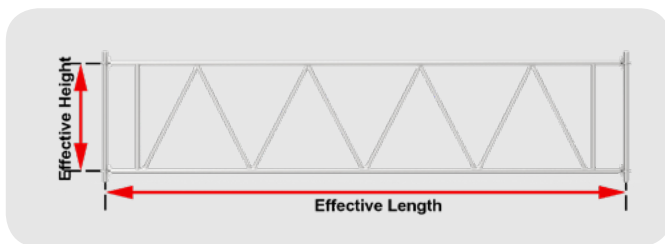
Item	Effective Length	Pipe Diameter	Pipe Wall Thickness	Weight
	(mm)	(mm)	(mm)	(mm)
RLS-SB-320	320	48.3	3.25	1.71
RLS-SB-400	400	48.3	3.25	4.71
RLS-SB-610	610	48.3	3.25	5.90
RLS-SB-650	650	48.3	3.25	6.10
RLS-SB-740	740	48.3	3.25	6.59
RLS-SB-880	880	48.3	3.25	7.45
RLS-SB-920	920	48.3	3.25	8.56
RLS-SB-1000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

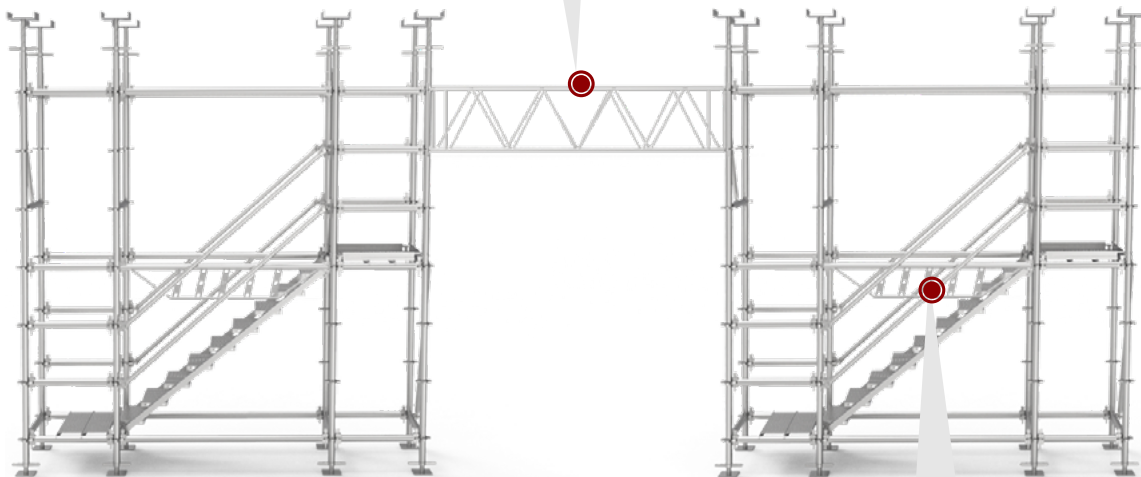
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**Lattice Girder**

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

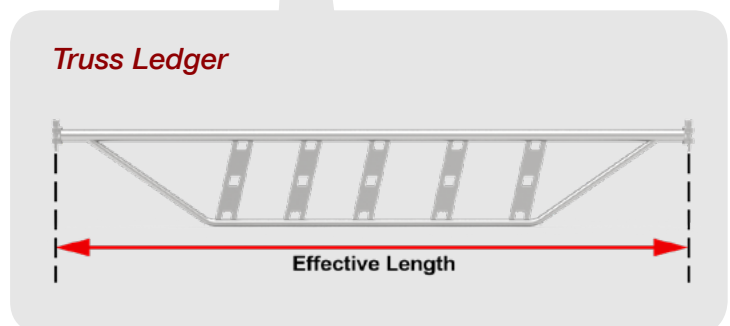


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**Truss Ledger**

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.

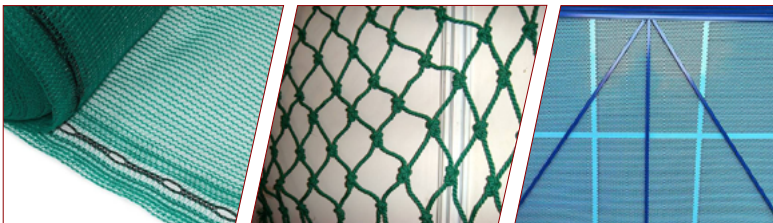
Item	Length (mm)	Weight (kg)
RLS-TL-1000	1000	4.62
RLS-TL-1500	1500	6.50
RLS-TL-2000	2000	8.38
RLS-TL-2500	2500	10.27
RLS-TL-3000	3000	12.16

**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



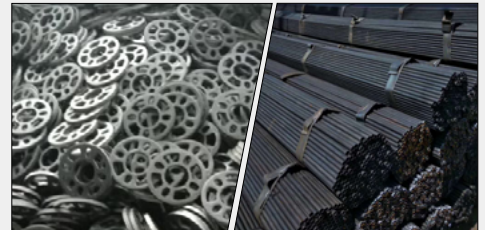
Ringlock scaffolding components in warehouse

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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High-rise construction



Bridge construction



Makeshift stage



# SCAFFOLDING APPLICATION

Highway construction



Tunnel maintenance



Church maintenance

