

**RINGLOCK ACCESS SCAFFOLD SYSTEM**

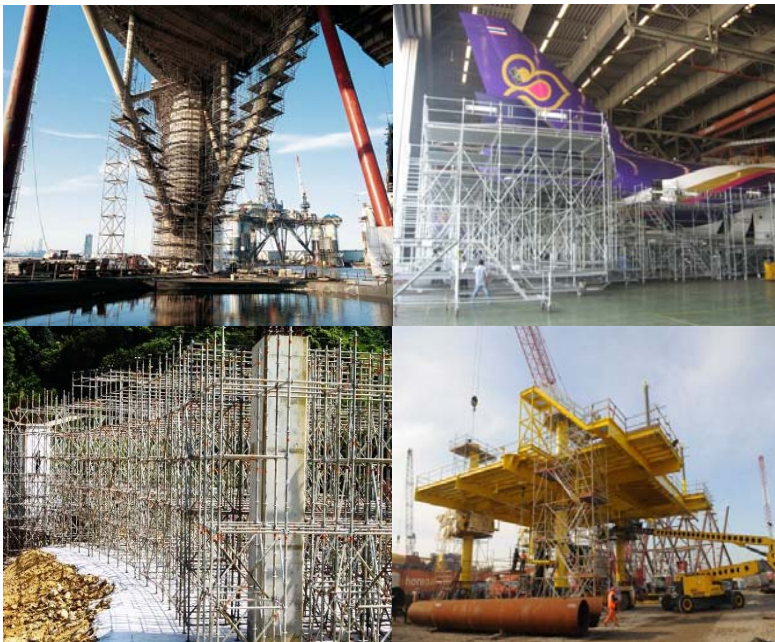


## RINGLOCK Introduction

**Ringlock** is world most widely used scaffold system. It is a fully galvanized multi-purpose steel scaffold system suitable for providing general access and supporting vertical loads.

The comprehensive range of Ringlock main components allows it to be used to create a huge range of access and support structures, staircase towers, circular scaffold, loading towers and mobile towers. Its rigid node joint reduces the need of bracing giving clear uninterrupted working platform, which can be formed using traditional scaffold boards or batten.

Ringlock is used for all forms of access and support structures in the building, aviation, events, construction industries, ship building, industrial maintenance, offshore construction.



### Versatility

It can be erected for straight, curved or circular configuration for both access and support, and also for independent and mobile towers.

### Durability

There are no loose components on the Ringlock scaffold system that can be lost or requires maintenance.

### Tensile Strength

Both vertical standard and horizontal ledger are manufactured from 1.9" outside diameter by gauge 10 high strength steel tubing with a minimum yield strength of 50,000 lbs/in<sup>2</sup> and a min. ultimate tensile strength of 75,000 lbs/in<sup>2</sup>.

### Easily Stored

Individual pipe elements can be packed in bundles for easy storage and transportation.

### Multi Functional

With the universal joint and fully interchangeable components, the ring system can be used in most construction projects (Civil & Building) for both falsework and access. Also concert staging and Aviation industry

Ringlock scaffolding can be designed, engineered, and manufactured to fit any type of aircraft and multiple types of aircrafts as well. We provide high quality, yet relatively low cost aircraft docking systems. This will result in a safe and efficient work structure that will be cost effective.

The ability of our Technical team to generate accurate CAD design drawings for our clients, ensures safe, fast & efficient erection times, which are often demanded by the aviation industry.

All components are hot-dipped galvanized finish with minimum zinc coating of 60 microns and manufactured to international standard.

# RINGLOCK Safety



The wedge is simply slid over the Rosette Ring.



The wedge is inserted into one of the recesses.



A hammer blow on the wedge transform the positive connection into a non-positive one.

### Safe

All components are individually checked and marked with QC passed band.

### Safety

Standard are assembled with ledger and brace using secure fixed wedge.

### Economical

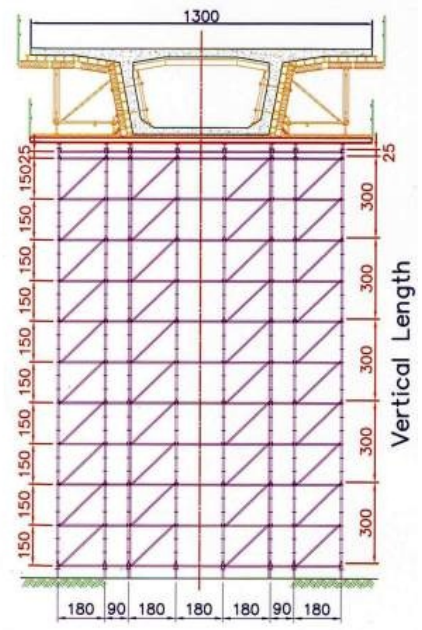
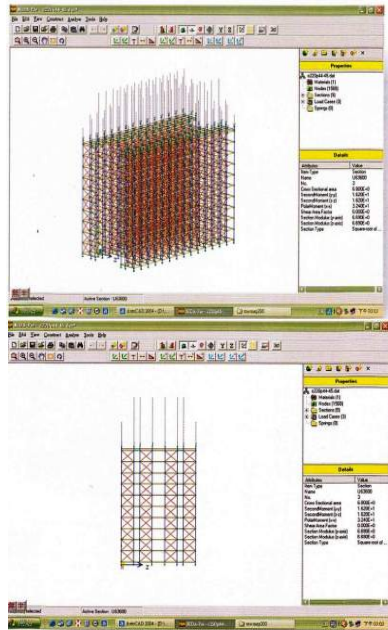
Easily assembled system scaffold save time and labor cost.

### Strong

All scaffold tube elements are made of high strength steel of Q345.

### Engineering Experienced

Provides structural design drawings at tender stage up to full site assembly details together with design calculations sheets as required.





# RINGLOCK Components

## Standard with spigot

The standards have Rosette Ring at 0.50m centres to enable ledgers to be attached where required. Standard are available in hot-dip galvanized steel tubing 48.3x3.2 mm THK.



Length	Weight (kg)
0.5m with Spigot	3.2
1.0m with Spigot	5.6
1.5m with Spigot	7.9
2.0m with Spigot	10.3
2.5m with Spigot	12.3
3.0m with Spigot	14.7
4.0m with Spigot	19.2

## Standard without spigot



Length	Weight (kg)
0.5m without Spigot	2.6
1.0m without Spigot	4.7
1.5m without Spigot	6.9
2.0m without Spigot	9.1
2.5m without Spigot	11.8
3.0m without Spigot	13.8
4.0m without Spigot	18.2



## Staircase

The staircase system incorporates Ringlock standard products. The stair stringers are manufactured to specification dependent on the height and pitch required.



## Base Collar 240

The collar is inserted into the base jack to join standard.

**Weight kg**

1.6



The system's safety features include:

- Guard rails and hand rails
- Non-slip non-tilt hook on boards
- Toe boards can be attached when required
- Extra wide stair treads to allow for passing of personnel
- The Scaffold allows for additional loading on the heavy duty staircase and platforms.

## RINGLOCK Components

### Ledger

This allows quick, safe and easy hooking-in and locking to the connecting rosette ring of the vertical post.



Length	Weight (kg)
0.25m Ledger	1.7
0.39m Ledger	1.9
0.45m Ledger	2.4
0.50m Ledger	2.6
0.73m Ledger	3.2
0.90m Ledger	4.0
1.00m Ledger	4.1
1.04m Ledger	4.2
1.09m Ledger	4.5
1.29m Ledger	5.4
1.40m Ledger	5.5
1.50m Ledger	5.9
1.57m Ledger	6.0
2.00m Ledger	7.6
2.07m Ledger	7.9
2.50m Ledger	9.7
2.57m Ledger	9.8
3.00m Ledger	11.1
3.07m Ledger	11.5
4.14m Ledger	15.2

### Adjustable base jack

Is used to level the scaffold.  
Weight 3.7 kg



Weight (kg)  
3.7

### U-Ledger for Deck Configuration

Length	No. of Steel Deck
0.45m U-Ledger	1 x 0.32m
0.50m U-Ledger	2 x 0.19m
0.73m U-Ledger	2 x 0.32m or 1 x 0.61m
1.09m U-Ledger	3 x 0.32m or 1 x 0.61m + 1 x 0.32m
1.40m U-Ledger	4 x 0.32m or 2 x 0.61m
1.57m U-Ledger	4 x 0.32m + 1 x 0.19m
2.07m U-Ledger	6 x 0.32m
2.57m U-Ledger	7 x 0.32m + 1 x 0.19
3.07m U-Ledger	9 x 0.32m

### U-Ledger

Length	Weight (kg)
0.45m U-Ledger	2.2
0.50m U-Ledger	2.4
0.73m U-Ledger	3.3



### Ledger with Reinforcement

Length	Weight (kg)
1.09m Reinforcement Ledger	5.9
1.40m Reinforcement Ledger	7.6



### Bridging Ledger

Length	Weight (kg)
1.57m Bridging Ledger	9.7
2.07m Bridging Ledger	12.8
2.57m Bridging Ledger	15.9
3.07m Bridging Ledger	19.7



### U-Bridging Ledger

Length	Weight (kg)
1.57m U-Bridging Ledger	9.5
2.07m U-Bridging Ledger	12.2
2.57m U-Bridging Ledger	15.3
3.07m U-Bridging Ledger	17.8



## RINGLOCK Components

### Diagonal Brace

Braces are manufactured from 3.2mm tube with a swivel wedge device at both ends, to fit on the standard.

Length, LxH	Weight (kg)
for 0.73m bay length, 2.0m bay height	6.9
for 1.04m bay length, 2.0m bay height	7.7
for 1.09m bay length, 2.0m bay height	7.1
for 1.40m bay length, 2.0m bay height	7.6
for 1.57m bay length, 2.0m bay height	7.8
for 2.07m bay length, 2.0m bay height	8.9
for 2.57m bay length, 2.0m bay height	9.6
for 3.07m bay length, 2.0m bay height	10.6
for 4.14m bay length, 2.0m bay height	14.1
for 0.73m bay length, 1.0m bay height	4.3
for 0.73m bay length, 1.5m bay height	5.5
for 1.09m bay length, 0.5m bay height	4.1
for 1.09m bay length, 1.00 bay height	4.9
for 1.09m bay length, 1.50 bay height	5.9
for 1.57m bay length, 0.50 bay height	5.8
for 1.57m bay length, 1.0m bay height	6.4
for 1.57m bay length, 1.50 bay height	7.4
for 2.07m bay length, 0.50 bay height	7.3
for 2.07m bay length, 1.00 bay height	7.5
for 2.07m bay length, 1.50 bay height	8.3
for 2.57m bay length, 0.50 bay height	8.5
for 2.57m bay length, 1.0m bay height	8.9
for 2.57m bay length, 1.50 bay height	9.6
for 3.07m bay length, 0.50 bay height	9.7
for 3.07m bay length, 1.0m bay height	10
for 3.07m bay length, 1.50 bay height	10.6



## RINGLOCK Components

### Diagonal Brace, Metric

Length, LxH	Weight (kg)
for 2.00m bay length, 2.0m bay height	8.9
for 2.50m bay length, 2.0m bay height	10.1
for 3.00m bay length, 2.0m bay height	11.3
for 1.00m bay length, 0.5m bay height	3.9
for 1.00m bay length, 1.0m bay height	4.8
for 1.00m bay length, 1.5m bay height	5.8
for 2.00m bay length, 0.5m bay height	7.1
for 2.00m bay length, 1.0m bay height	7.6
for 2.00m bay length, 1.5m bay height	7.8
for 2.50m bay length, 0.5m bay height	8.3
for 2.50m bay length, 1.0m bay height	8.7
for 2.50m bay length, 1.5m bay height	9.5
for 3.00m bay length, 0.5m bay height	9.5
for 3.00m bay length, 1.0m bay height	9.8
for 3.00m bay length, 1.5m bay height	10.4



### Side Bracket

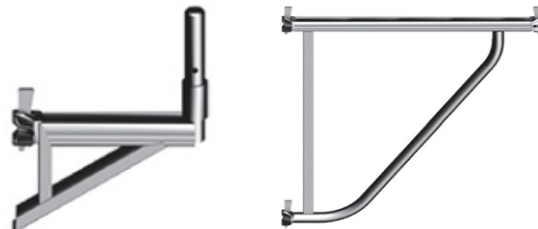
Used to extend the scaffold platform by cantilevering for an additional decks.

Length	Weight (kg)
0.26m Side Bracket without spigot	2.4
0.36m Side Bracket without spigot	3.5
0.73m Side Bracket with spigot	6.8
1.09m Side Bracket with wedge heads	12.2



### U-Side Bracket

Length	Weight (kg)
0.28m Side U-Bracket with spigot	3.5
0.39m Side U-Bracket with spigot	3.9
0.73m Side U-Bracket with spigot	6.4
0.79m Side U-Bracket with 2-wedge heads	5.1
1.09m Side U-Bracket with 2-wedge heads	12.1



## RINGLOCK Components

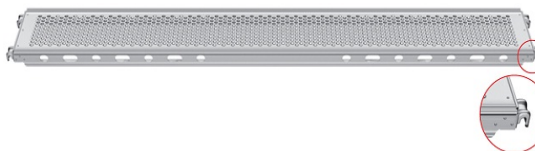
### Access Steel Planks, 0.32m wide

Length	Weight (kg)
Access Steel Planks, 0.73m x 0.32m wide	7.1
Access Steel Planks, 1.09m x 0.32m wide	9.4
Access Steel Planks, 1.29m x 0.32m wide	10.1
Access Steel Planks, 1.40m x 0.32m wide	10.8
Access Steel Planks, 1.57m x 0.32m wide	12.6
Access Steel Planks, 2.07m x 0.32m wide	16.1
Access Steel Planks, 2.57m x 0.32m wide	19.0
Access Steel Planks, 3.07m x 0.32m wide	22.5



### U-Access Steel Planks, 0.32m wide

Length	Weight (kg)
U-Access Steel Planks, 1.57m x 0.32m wide	10.0
U-Access Steel Planks, 2.07m x 0.32m wide	11.6
U-Access Steel Planks, 2.57m x 0.32m wide	14.8
U-Access Steel Planks, 3.07m x 0.32m wide	16.1



### Access Steel Planks, 0.19m wide

Length	Weight (kg)
Access Steel Planks, 0.73m x 0.19m wide	5.1
Access Steel Planks, 1.09m x 0.19m wide	7.1
Access Steel Planks, 1.40m x 0.19m wide	9.1
Access Steel Planks, 1.57m x 0.19m wide	10.1
Access Steel Planks, 2.07m x 0.19m wide	12.7
Access Steel Planks, 2.57m x 0.19m wide	15.5
Access Steel Planks, 3.07m x 0.19m wide	18.3



### U-Access Steel Planks, 0.19m wide

Length	Weight (kg)
U-Access Steel Planks, 0.73m x 0.19m wide	5.2
U-Access Steel Planks, 1.09m x 0.19m wide	6.4
U-Access Steel Planks, 1.40m x 0.19m wide	8.1
U-Access Steel Planks, 1.57m x 0.19m wide	8.6
U-Access Steel Planks, 2.07m x 0.19m wide	10.2
U-Access Steel Planks, 2.57m x 0.19m wide	13.3
U-Access Steel Planks, 3.07m x 0.19m wide	15.4



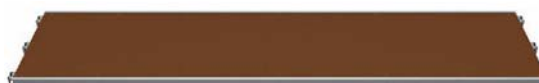
### Access Deck, 0.61m wide

Length	Weight (kg)
Access Deck, 0.73m x 0.61m wide	7.3
Access Deck, 1.09m x 0.61m wide	9.8
Access Deck, 1.57m x 0.61m wide	13.2
Access Deck, 2.07m x 0.61m wide	16.5
Access Deck, 2.57m x 0.61m wide	19.4
Access Deck, 3.07m x 0.61m wide	24.3



### U-Access Deck, 0.61m wide

Length	Weight (kg)
U-Access Deck, 0.73m x 0.61m wide	7.3
U-Access Deck, 1.09m x 0.61m wide	9.8
U-Access Deck, 1.57m x 0.61m wide	13.2
U-Access Deck, 2.07m x 0.61m wide	16.5
U-Access Deck, 2.57m x 0.61m wide	19.4
U-Access Deck, 3.07m x 0.61m wide	24.3





## RINGLOCK Components

### Lattice Girder

Are made from standard tube  $\Phi 48.3 \times 3.2$  mm THK. To span in different bays to give clear access or to avoid obstructions.

Length	Weight (kg)
5.14m Lattice Girder	55.5
6.14m Lattice Girder	64.8
7.71m Lattice Girder	82.9



### U-Access Deck with Ladder, 0.61m wide

Length	Weight (kg)
U-Access Deck, 2.57m x 0.61m with ladder	24.0
U-Access Deck, 3.07m x 0.61m with ladder	27.4



### U-Lattice Girder, Steel

Length	Weight (kg)
2.07m U-Lattice Girder	23.5
2.57m U-Lattice Girder	29.8
3.07m U-Lattice Girder	35.8
4.14m U-Lattice Girder	44.2
5.14m U-Lattice Girder	54.2
6.14m U-Lattice Girder	62.7



### Access Deck with Ladder, 0.61m wide

Length	Weight (kg)
Access Deck, 2.57m x 0.61m with ladder	25.9
Access Deck, 3.07m x 0.61m with ladder	29.7



### U-Lattice Girder for Deck Configuration

Length	No. of Steel Deck
2.07m U-Lattice Girder	6 x 0.32m
2.57m U-Lattice Girder	7 x 0.32m and 1 x 0.19m
3.07m U-Lattice Girder	9 x 0.32m
4.14m U-Lattice Girder	12 x 0.32m and 1 x 0.19m
5.14m U-Lattice Girder	15 x 0.32m and 1 x 0.19m
6.14m U-Lattice Girder	18 x 0.32m and 1 x 0.19m