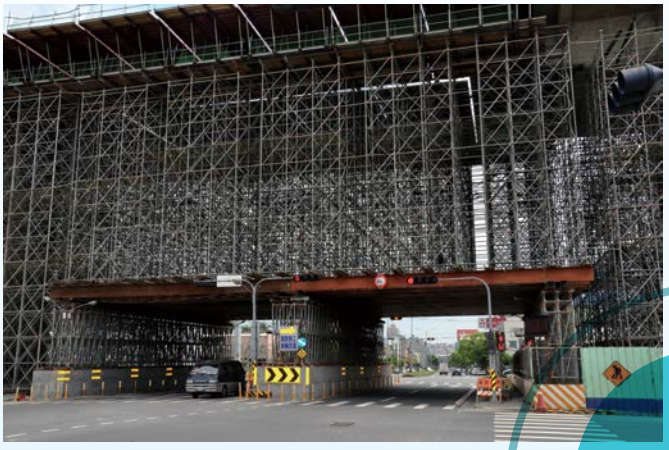
SUCOOT

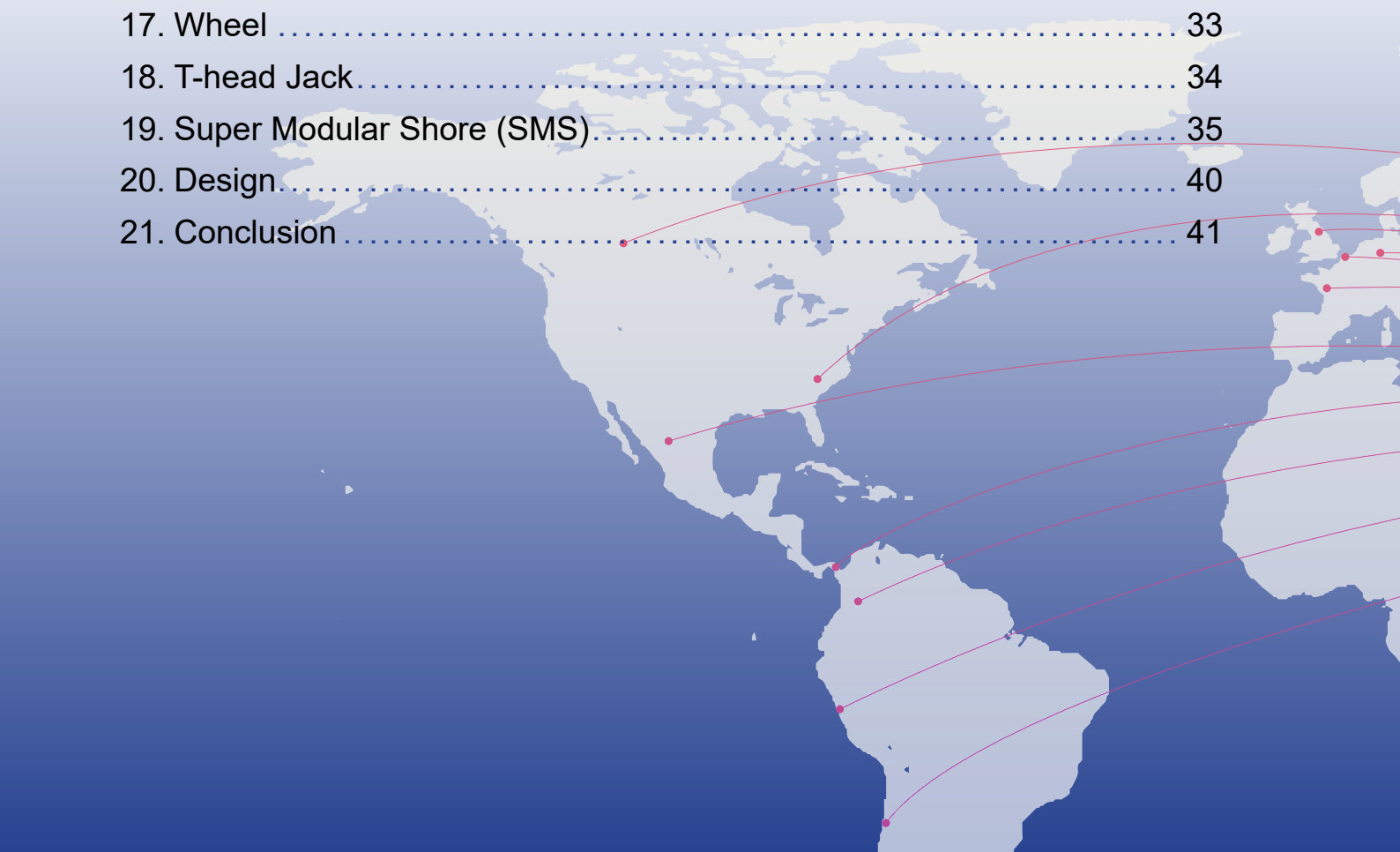


Project Design

RING SYSTEM SCAFFOLD

SUCOOT

Table of Contents



1. About Us

SUCOOT CO., LTD. *was set up in 1984 and specializes in Scaffolding Accessories & Formwork Parts. Today, we have customers spreading over 65 countries around the world. Our products are engineered for the specific purpose of safety, strength and flexibility to meet international standards within this industry. We are confident that our quality is on par with other world-leading brands—especially our Ring System Scaffold. This system is widely used in many civil engineering projects worldwide. This includes high speed rail, freeway, elevated railway, subway, high-tech factories, music concert event application and other projects.*

With our technical knowledge, ready-to-ship inventory and full-service solution, we are able to serve customers with confident and quality. If you have any enquiries regarding our products, please feel free to contact us.

2. Key Features

There are 5 key features of SUCOOT's Ring System Scaffold which make us superior to other suppliers.

1. *Vertical Connection Allowance≤ 1.8mm*

   To control the allowance between Verticals and Spigots within 1.8mm, we have developed a device that can remove the hot dip galvanizing residue inside the tube.

   ** According to the test result, the loading can reach at least 94% when the maximum allowance is 1.8mm; whilst, if the other brand allowance is 3.0mm, the loading only can reach 50%. The higher the scaffold assembled, the less the loading can bear.*

2. *Vertical Connection is Through "Cross Section", Rather Than "Point"*

   We use high-precision circular sawing machines to ensure the tubes are cut precisely. This allows for no visible gap between the tube connections, making the cross sections of our tubes are perfectly smooth.

3. *Vertical Deviation at 0.3%*

   It is on par with ACI 117-06, the permanent concrete structure which below 25.4m height, the vertical deviation need to be controlled within 0.3%. The less vertical deviation, the less influence on eccentric bending moment.

4. *Finest Quality & Greatly Improve Construction Efficiency.*

   The rings are stamped from Q355B high-strength steel, tubes are made of high tensile steel "STK500".

5. *100% Safety*

   Ring System has been used for 20 years. Safety is always our priority. Our scaffolding has never collapsed caused by overloading or defect.

3. Applications

- *Viaduct, Ramp, Side Traffic Lane, Pier Cap*
- *MRT Station, Railway Underground Station, Cut-and-cover Tunnel, Vehicle Box Culvert, Drainage Box Culvert*
- *Hi-Tech Factory, Gas Turbine Room, Power Plant, Water Tower, Recycling Plant, Refinery, Incinerator*
- *Large-Scale Performance Stage*
- *Suspended Scaffolding for maintenance work in Shopping Mall / Department Store*

SUCOOT

- *Ring System Scaffold can be flexibly assembled for different kinds of projects.* *<Our Engineering team can provide design and calculation as per your project>*

Large Overpass Bridge (Arch)

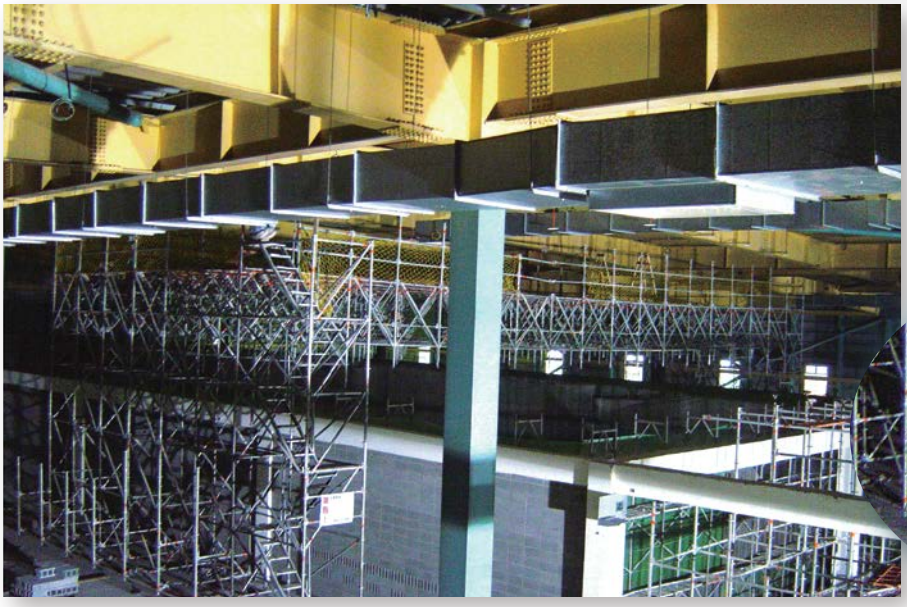
For steep slopes, our Ring System can replace heavy duty frames in shoring.

Significant Projects

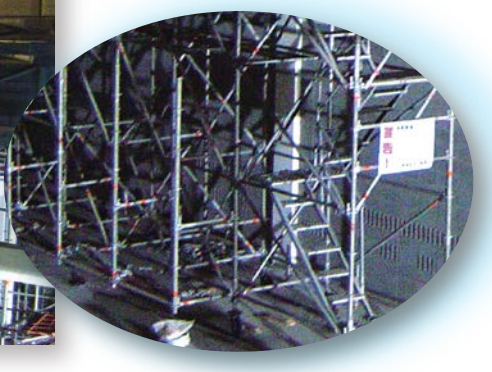
Suspended Scaffolding- Tower and Bridge

Taiwan Railway- Wujih New Station

Suvarnabhumi Airport



Access Scaffolding for
High Level Installation Work



Towers and Bridges can be moved with rollers which saves time and labor costs.

Industrial Park- 3000 tons Water Tower

Industrial Park- 500 tons Water Tower

Pumping Station

Water Tower

Suhua Highway Pylon Façade

Taichung Expressway No.2 Shoring

Vietnam Power Plant Foundation Shoring

Taipei MRT- Y- Shaped Pier Cap Shoring

Taipei MRT- Superstructure Formwork and Shoring

China Chongqing Bridge Three-span Shoring(6-30m height)

New Suhua Highway

Y-Shaped Pier Cap Shoring

Underground, Cut-and-cover Tunnel Slab Shoring

Shoring Platform for Roof Forming Machine

Tunnel Shoring

Israel Logistic Center-Tableform Application

Indonesia Bridge Pylon Shoring

Chongqing, China H:37m Bridge Shoring

Taiwan Tunnel Arch Form Shoring

Cable-stayed Pylon - Pier Table Shoring

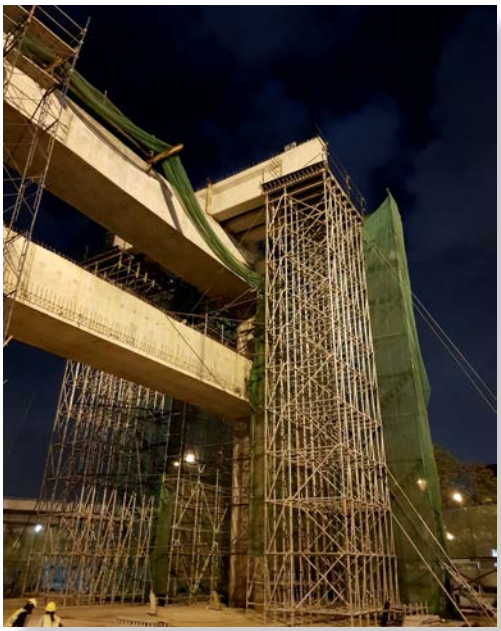
Shoring for Steel Structure Factory Assembly

Taipei Music Center –
Shoring for Steel Structure

Tainan Green Energy Technology Demonstration Site – Shoring for Steel Structure Solar Tree

Taoyuan Convention and Exhibition Center – Shoring for Steel Structure Roof

Thailand MRT Station –
Shoring for Precast Beam



Hi-Tech Factory Slab Shoring

Underground Railway, Cut-and-cover Tunnel Slab Formwork and Shoring

Central Taiwan Science Park Southbound Access Road – Pier Table Shoring

Central Taiwan Science Park Southbound Access Road – Superstructure Formwork and Shoring

Kaohsiung Dragon Bridge Shoring (Arch)

Hualien Jian-ying Bridge Pier Table Shoring

Superstructure Shoring in Slope

Taipower Tower Base Cross Beam Shoring

Airbus A380 Maintenance

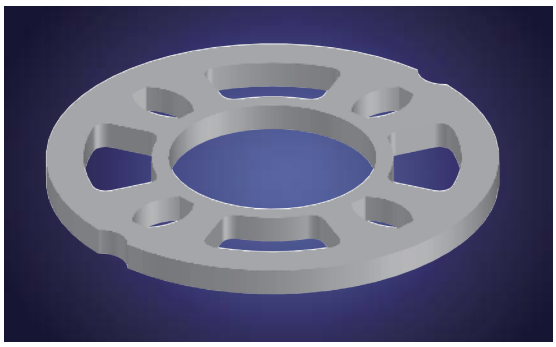
SUCOOT

- *Ø48.6 mm System (Both metric and inch sizes are available.)*

Staging for Music Concert, Sports Meet and Election Campaign.

4. Features

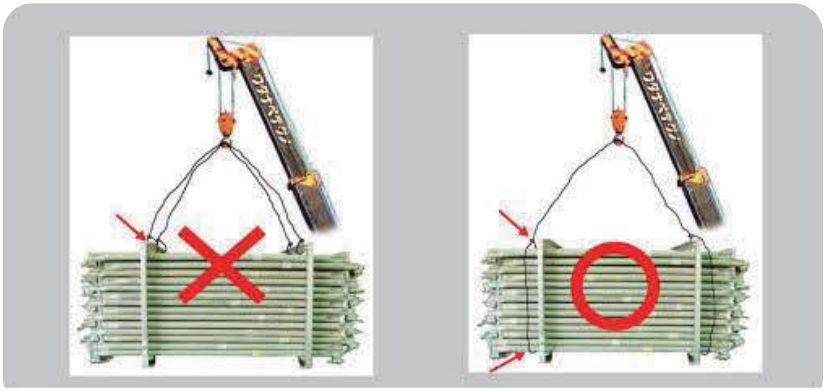
- *All components have excellent structural strength. Verticals are assembled with horizontals and diagonals can form excellent combination.*
- *Simple and rapid assembly can save a lot of time and labor costs.*
- *With the universal joint and interchangeable components, this system can be used in different kinds of projects.*



8 holes in one ring:
Big hole: for Diagonal, Level Diagonal
Small hole: for Horizontal

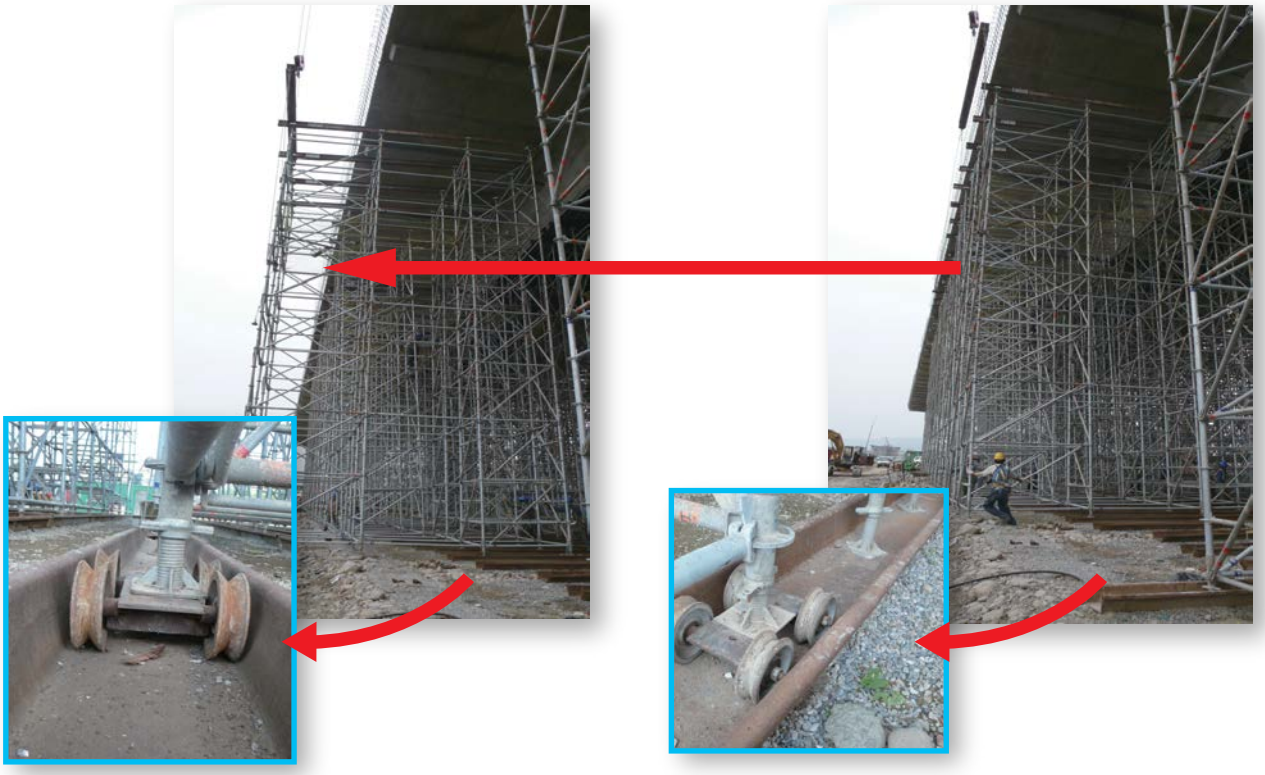
- *All components are made of high tensile steel (JIS STK500) with hot dip galvanized finish for long life.*

- *Individual components can be packed in bundles for easy storage and transportation.*



SUCOOT

- *In viaduct construction, complete scaffold towers can be moved horizontally by using special wheels and rails, or simply lifted to the next location by crane. This method has been proven to save considerable time and labor costs.*



- *Ring System Scaffold can be used in different terrains and buildings.*
- *It is compatible with various formwork types (traditional formwork, formwork system or steel panels) for a consummate design.*
- *Using Sub-Verticals can easily solve the problem of height alterations.*

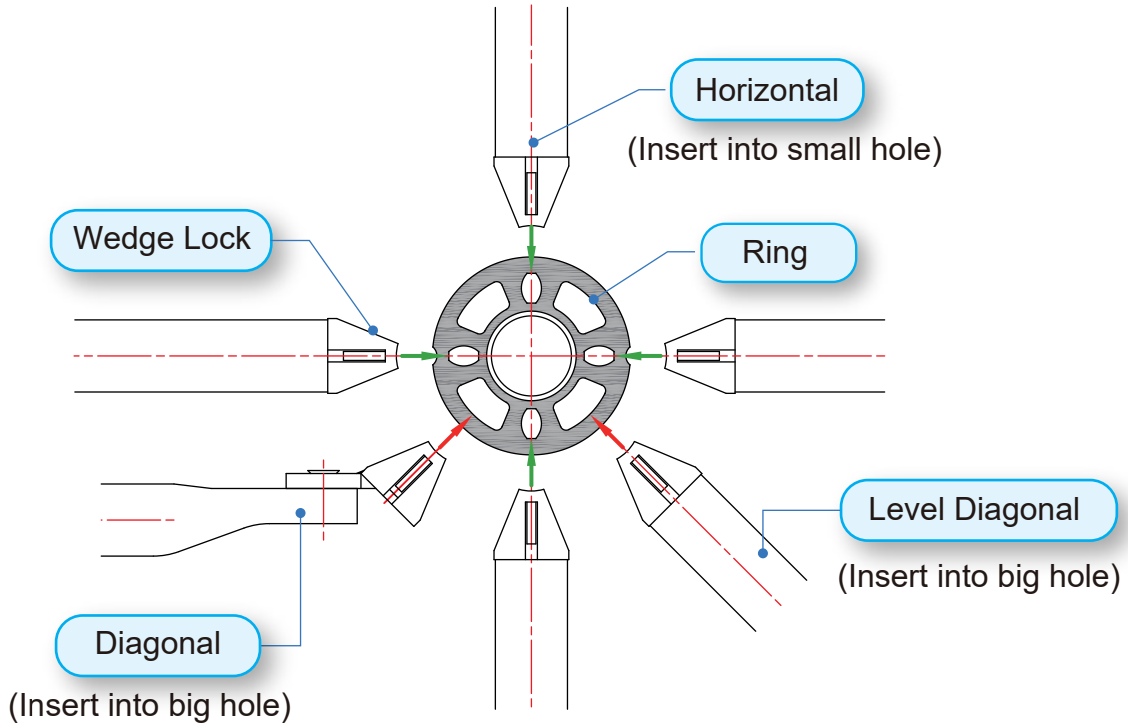


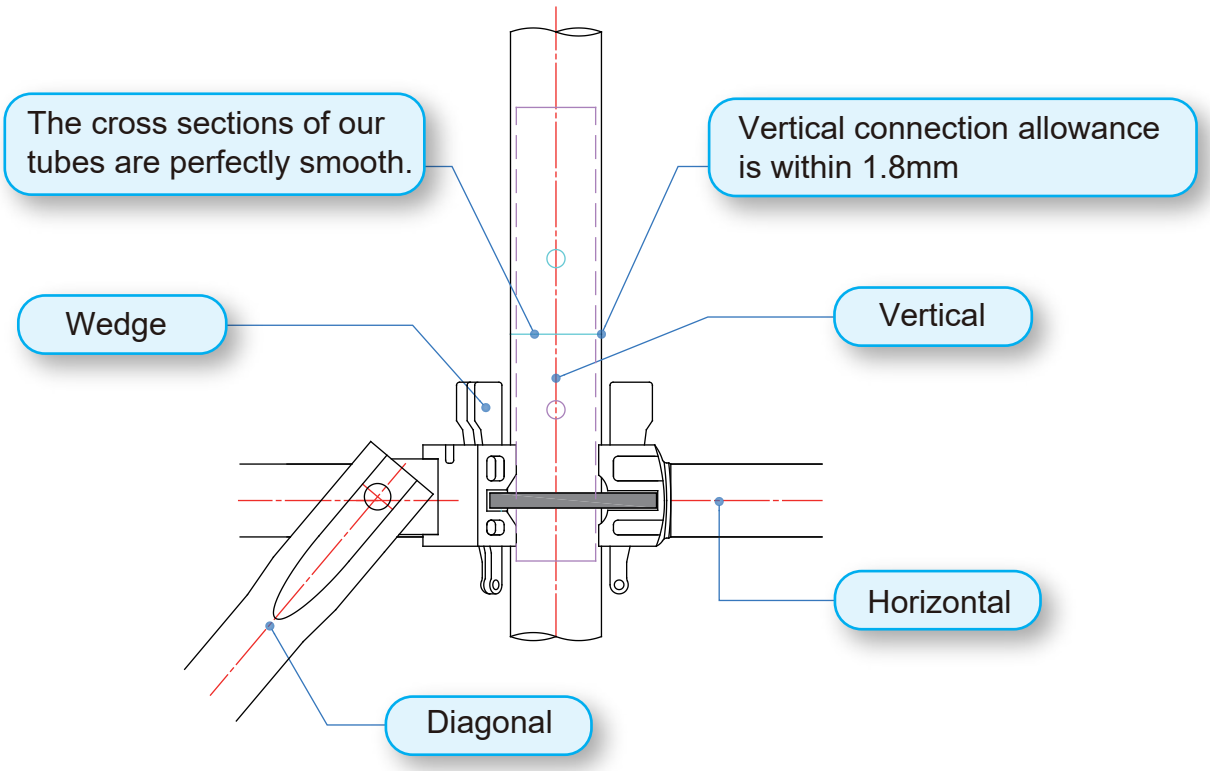




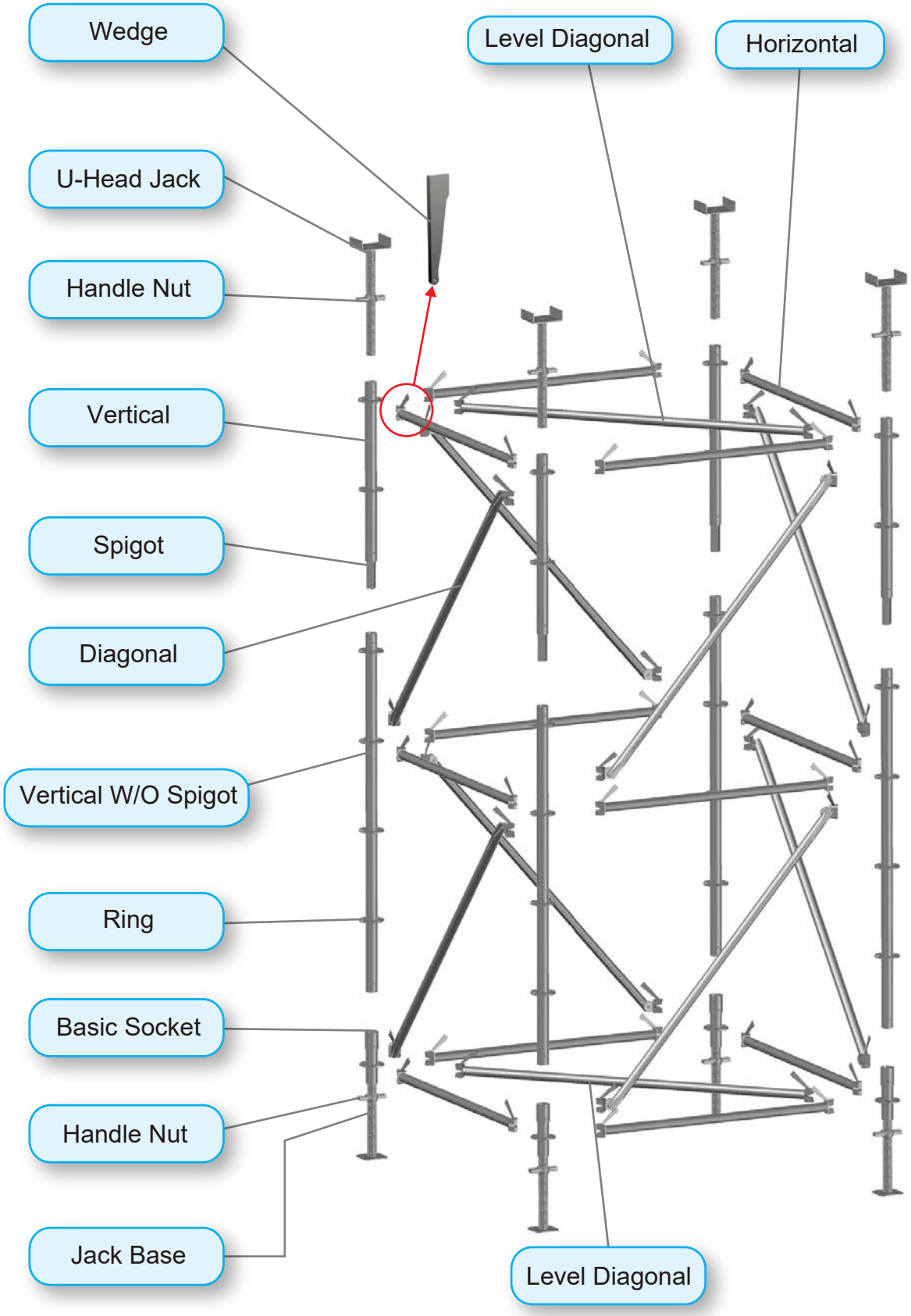

5. Connecting Techniques

- *The secure connection between the wedge locks and ring optimizes the load carrying capacity.*





6. Component Overview



7. Dimensions and Specifications

Jack Base J48601
U-Head Jack U48601

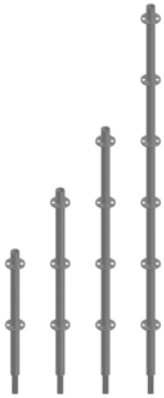
- To adjust the scaffold height
- Material :
  Threaded Tube STK400
  Handle Nut FCD450
  Base Plate SS400
- Adjustable Range: 80~450mm

- Threaded Tube :
  Ø48.2mm×600mm×t:5.0mm
- Base Plate :
  140mm×140mm×t:6.0mm
- U-Head :
  170mm×150mm×H:50mm
  ×t:6.0mm

Basic Socket V62020

- Assembled with Jack Base and connected with Horizontal to steady the foundation
- Material : STK500

- Length :
  200mm divided by Ring from the middle
- Pipe :
  Ø60.2mm x t:3.2mm



Vertical
V61100, V61150, V61200, V61300

- Main support of the entire system connected by Spigot
- Material : STK500

Vertical without Spigot
V60100, V60150, V60200, V60300

- Only assembled with Basic Socket.

- Length :
  1.0m；1.5m；2.0m；3.0m
- Pipe :
  Ø60.2mm×t:3.2mm
- Distance between Rings :
  500mm

Sub-Vertical
V62025, V62050

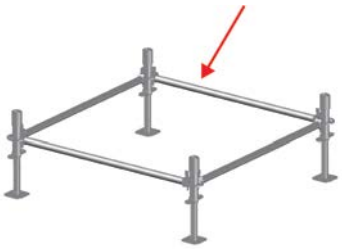
- To adjust the shoring height, especially in big alterations
- Material : STK500

- Length :
  0.25m；0.5m
- Pipe :
  Ø60.2mm×t:3.2mm

Base Vertical

- When the shoring height is very low, Jack Base and U-Head Jack can not be used at the same time. Jack Base can be replaced by Base Vertical of fixed height. To adjust the height by U-Head Jack only.
- Material: STK500

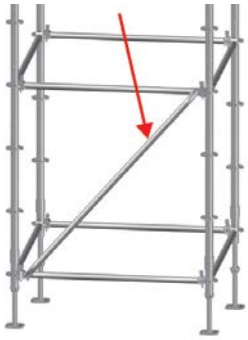
- Length: 0.35m
- Pipe : Ø60.2mm x t:3.2mm
- The minimum height is 65cm when connecting with U-Head Jack only.



Horizontal
H66060, H66090, H66150, H66180, H66240

- To distribute force evenly between Verticals
- Connecting:
  Wedge Lock fixed on Ring
- Material : STK500

- Length :
  0.6m；0.9m；1.5m；1.8m；2.4m；Special size can be customized
- Pipe :
  Ø48.6mm×t:2.3mm



Diagonal
D60610, D60910, D61510
D61810, D60615, D60915
D61515, D61815, D62415

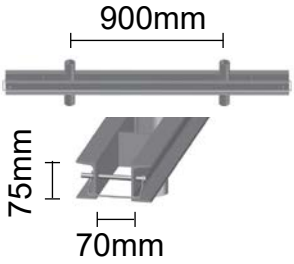
- To enhance the load-carrying capacity and keep the entire system from deformation
- Material : STK500

- Length :
  0.6m×1.0m；0.9m×1.0m；1.5m×1.0m；1.8m×1.0m；0.6m×1.5m；0.9m×1.5m；1.5m×1.5m；1.8m×1.5m；2.4m×1.5m
- Pipe :
  Ø48.6mm×t:2.3mm

Level Diagonal
L61515, L61815, L61818, L62415

- To restrict the scaffold in a foursquare (90° at each angle), excellent steadiness for high shoring
- Material : STK500

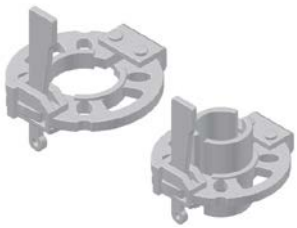
- Length :
  1.5m×1.5m；1.8m×1.5m；1.8m×1.8m；2.4m×1.5m；
- Pipe :
  Ø48.6mm×t:2.3mm



Heavy-Duty Beam Bracket

- Put on the Ring of Vertical, used in beam and slab shoring
- Material : SS400

- Length : 1.65m
- Components:
  Pipe Ø60.2 x t:3.2mm
  Snap Pin (SL-45A)
  Double C Waler 75 x 40 x 5 x 7mm



Movable Ring Coupler

- Applicable to special height spacing (without the welded ring) for connection

Ø48mm C50500
Ø60mm C60500
Ø60/48mm C60600

8. ANSI/ASSE A10.8 & EN 12810-1 Certified

The first scaffold manufacturer obtained EN 12810-1. Having the experience of extensive projects and EN certified product, we successfully accomplished many infrastructure projects overseas with our engineering techniques and technical support.

EN 12810-1 (No. 10.16.1707)


EURO CERT

STATEMENT OF COMPLIANCE

ANSI/ASSE A10.8 (No. 10.16.1708)


EURO CERT

STATEMENT OF COMPLIANCE

ISO9001：2015 (No. 00.12.1374)


EURO CERT

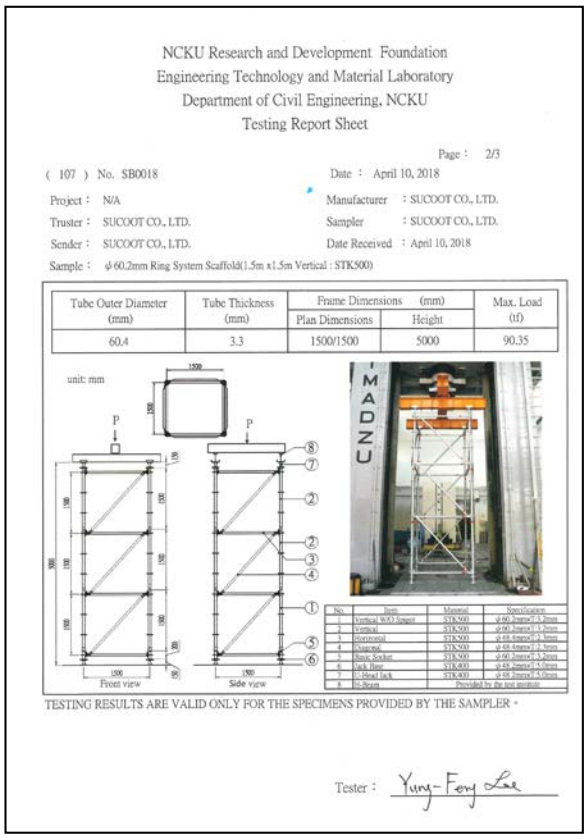
CERTIFICATE

EUROCERT S.A. certifies that the company

SUCOOT CO., LTD.

EN ISO 9001:2015

9. Test Report



NCKU Research and Development Foundation
Engineering Technology and Material Laboratory
Department of Civil Engineering, NCKU
Testing Report Sheet

Page : 2/3

(107) No. SB0018 Date : April 10, 2018

Project : N/A
Truster : SUCOOT CO., LTD.
Sender : SUCOOT CO., LTD.
Sample : ϕ60.2mm Ring System Scaffold(1.5m x1.5m Vertical : STK500)

Manufacturer : SUCOOT CO., LTD.
Sampler : SUCOOT CO., LTD.
Date Received : April 10, 2018

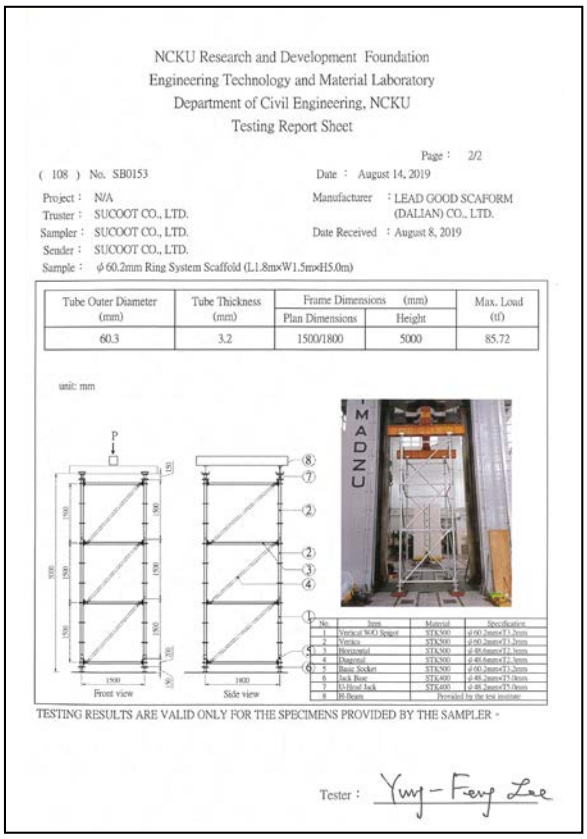
Tube Outer Diameter (mm)	Tube Thickness (mm)	Frame Dimensions (mm)		Max. Load (tf)
		Plan Dimensions	Height	
60.4	3.3	1500/1500	5000	90.35

unit: mm

No.	Item	Material	Specification
1	Vertical W/O Spigot	STK500	ϕ60.2mmx3.2mm
2	Vertical	STK500	ϕ60.2mmx3.2mm
3	Horizontal	STK500	ϕ48.6mmx2.3mm
4	Diagonal	STK500	ϕ48.6mmx2.3mm
5	Basic Socket	STK500	ϕ60.2mmx3.2mm
6	Jack Base	STK400	ϕ48.2mmx4.5mm
7	U-Head Jack	STK400	ϕ48.2mmx4.5mm
8	H-Beam	Provided by the test institute	

TESTING RESULTS ARE VALID ONLY FOR THE SPECIMENS PROVIDED BY THE SAMPLER。

Tester : Yung-Feng Lee



NCKU Research and Development Foundation
Engineering Technology and Material Laboratory
Department of Civil Engineering, NCKU
Testing Report Sheet

Page : 2/2

(108) No. SB0153 Date : August 14, 2019

Project : N/A
Truster : SUCOOT CO., LTD.
Sampler : SUCOOT CO., LTD.
Sender : SUCOOT CO., LTD.
Sample : ϕ60.2mm Ring System Scaffold (L1.8mxW1.5mxH5.0m)

Manufacturer : LEAD GOOD SCAFORM (DALIAN) CO., LTD.
Date Received : August 8, 2019

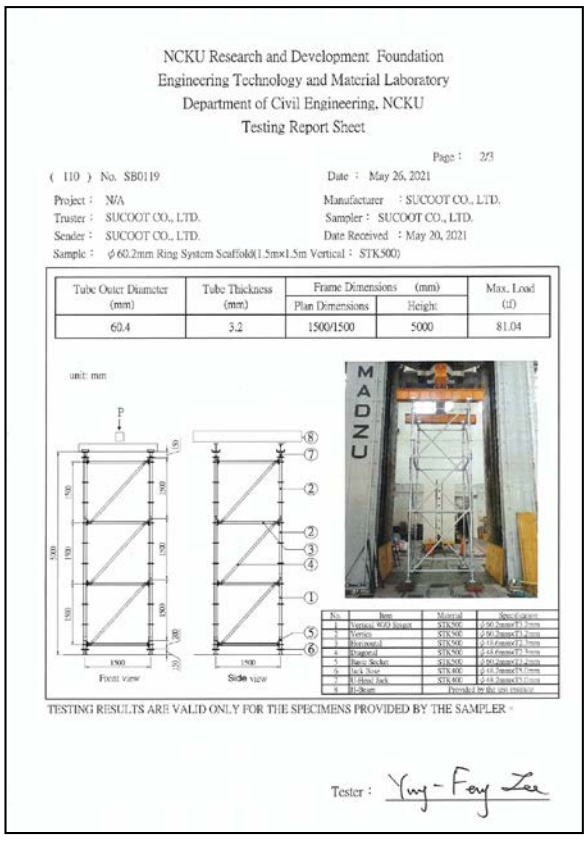
Tube Outer Diameter (mm)	Tube Thickness (mm)	Frame Dimensions (mm)		Max. Load (tf)
		Plan Dimensions	Height	
60.3	3.2	1500/1800	5000	85.72

unit: mm

No.	Item	Material	Specification
1	Vertical W/O Spigot	STK500	ϕ60.2mmx3.2mm
2	Vertical	STK500	ϕ60.2mmx3.2mm
3	Horizontal	STK500	ϕ48.6mmx2.3mm
4	Diagonal	STK500	ϕ48.6mmx2.3mm
5	Basic Socket	STK500	ϕ60.2mmx3.2mm
6	Jack Base	STK400	ϕ48.2mmx4.5mm
7	U-Head Jack	STK400	ϕ48.2mmx4.5mm
8	H-Beam	Provided by the test institute	

TESTING RESULTS ARE VALID ONLY FOR THE SPECIMENS PROVIDED BY THE SAMPLER。

Tester : Yung-Feng Lee



NCKU Research and Development Foundation
Engineering Technology and Material Laboratory
Department of Civil Engineering, NCKU
Testing Report Sheet

Page : 2/3

(110) No. SB0119 Date : May 26, 2021

Project : N/A
Truster : SUCOOT CO., LTD.
Sender : SUCOOT CO., LTD.
Sample : ϕ60.2mm Ring System Scaffold(1.5mx1.5m Vertical : STK500)

Manufacturer : SUCOOT CO., LTD.
Sampler : SUCOOT CO., LTD.
Date Received : May 20, 2021

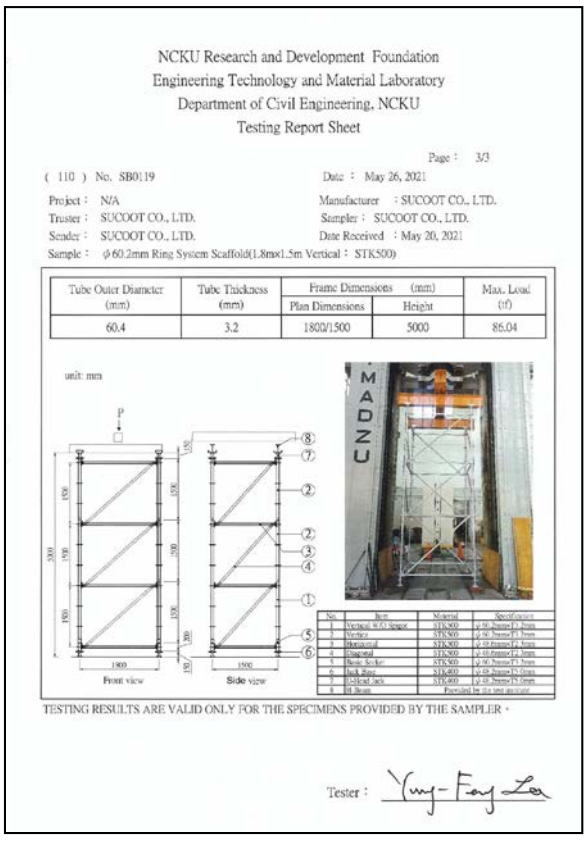
Tube Outer Diameter (mm)	Tube Thickness (mm)	Frame Dimensions (mm)		Max. Load (tf)
		Plan Dimensions	Height	
60.4	3.2	1500/1500	5000	81.04

unit: mm

No.	Item	Material	Specification
1	Vertical W/O Spigot	STK500	ϕ60.2mmx3.2mm
2	Vertical	STK500	ϕ60.2mmx3.2mm
3	Horizontal	STK500	ϕ48.6mmx2.3mm
4	Diagonal	STK500	ϕ48.6mmx2.3mm
5	Basic Socket	STK500	ϕ60.2mmx3.2mm
6	Jack Base	STK400	ϕ48.2mmx4.5mm
7	U-Head Jack	STK400	ϕ48.2mmx4.5mm
8	H-Beam	Provided by the test institute	

TESTING RESULTS ARE VALID ONLY FOR THE SPECIMENS PROVIDED BY THE SAMPLER。

Tester : Yung-Feng Lee



NCKU Research and Development Foundation
Engineering Technology and Material Laboratory
Department of Civil Engineering, NCKU
Testing Report Sheet

Page : 3/3

(110) No. SB0119 Date : May 26, 2021

Project : N/A
Truster : SUCOOT CO., LTD.
Sender : SUCOOT CO., LTD.
Sample : ϕ60.2mm Ring System Scaffold(1.8mx1.5m Vertical : STK500)

Manufacturer : SUCOOT CO., LTD.
Sampler : SUCOOT CO., LTD.
Date Received : May 20, 2021

Tube Outer Diameter (mm)	Tube Thickness (mm)	Frame Dimensions (mm)		Max. Load (tf)
		Plan Dimensions	Height	
60.4	3.2	1800/1500	5000	86.04

unit: mm

No.	Item	Material	Specification
1	Vertical W/O Spigot	STK500	ϕ60.2mmx3.2mm
2	Vertical	STK500	ϕ60.2mmx3.2mm
3	Horizontal	STK500	ϕ48.6mmx2.3mm
4	Diagonal	STK500	ϕ48.6mmx2.3mm
5	Basic Socket	STK500	ϕ60.2mmx3.2mm
6	Jack Base	STK400	ϕ48.2mmx4.5mm
7	U-Head Jack	STK400	ϕ48.2mmx4.5mm
8	H-Beam	Provided by the test institute	

TESTING RESULTS ARE VALID ONLY FOR THE SPECIMENS PROVIDED BY THE SAMPLER。

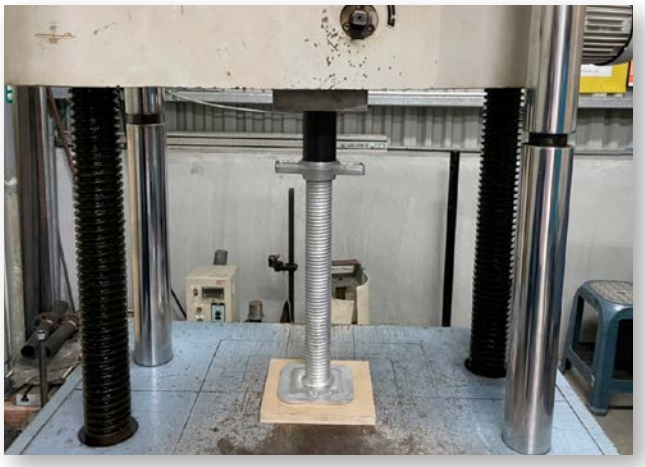
Tester : Yung-Feng Lee

The test result is for reference only, the design is subject to the shoring structure per each project.

10. Quality Control

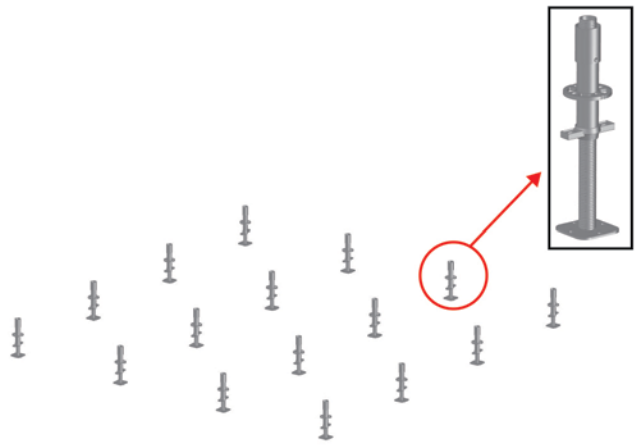
In addition to QC checks during manufacturing and inventory management, Sucoot implements regular load tests on random samples to ensure strength and integrity of materials.

The result data is considered in our structural designs.

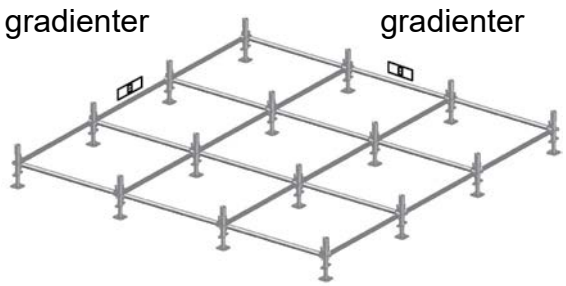


11 . Assembly Procedures

1 *Basic Sockets are put on Jack Base*

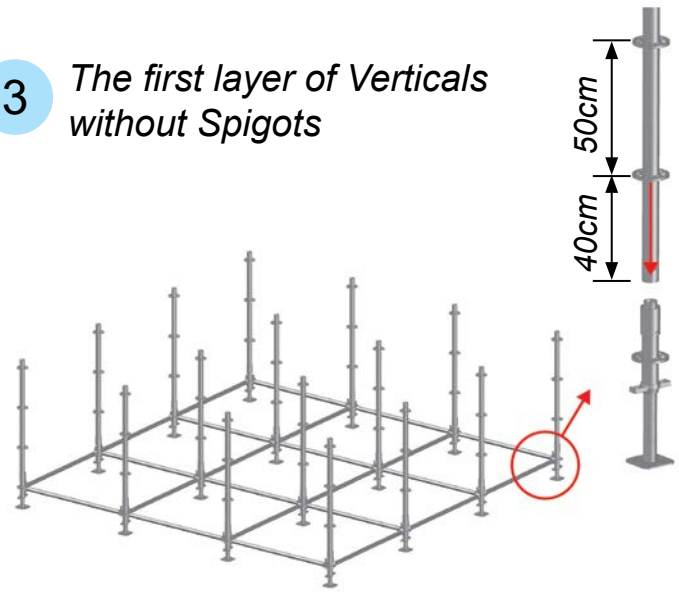


2 *The connection of Horizontals.*

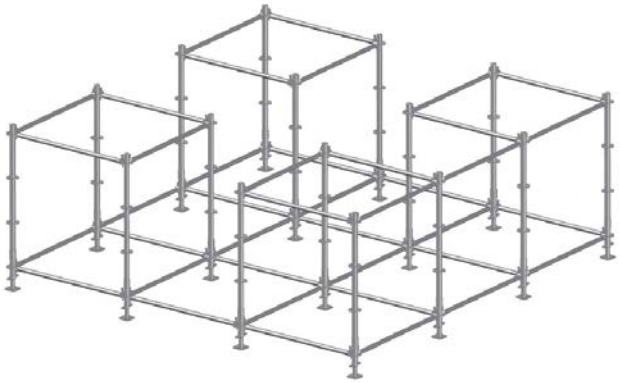


Make sure they are horizontal to the ground

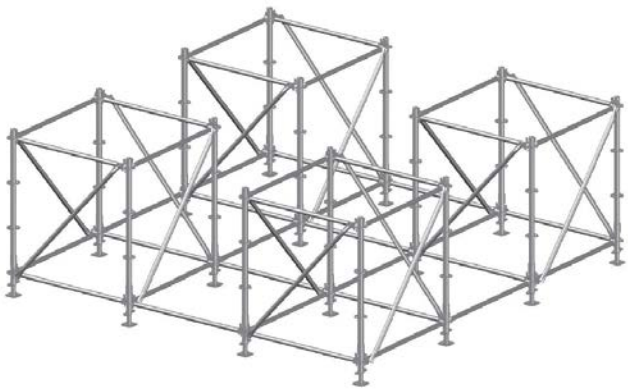
3 *The first layer of Verticals without Spigots*



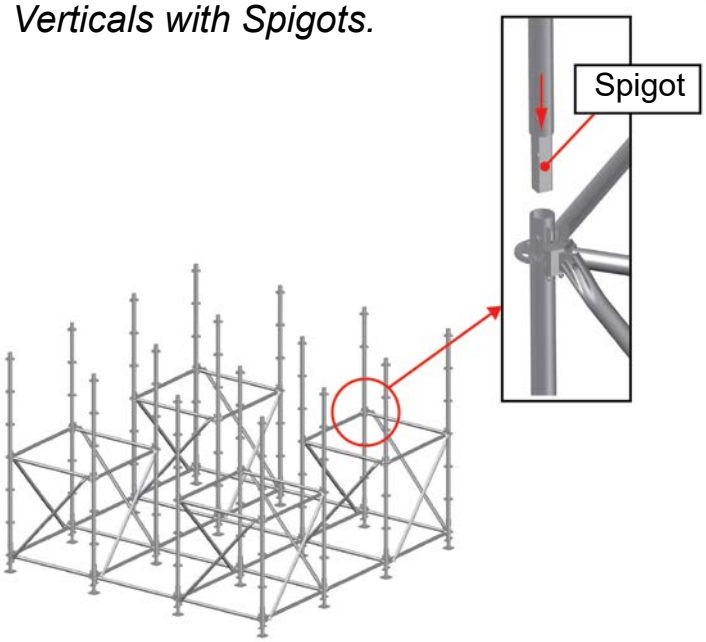
4 *The second layer of Horizontals.*



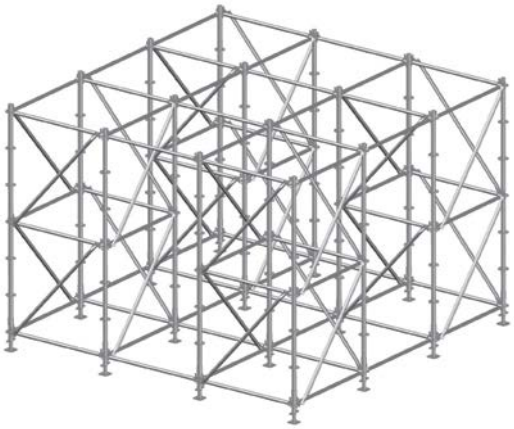
5 *Diagonals are fixed in the same direction.*



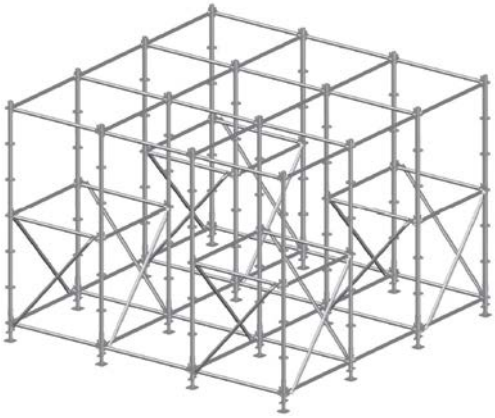
6 *The second layer of Verticals with Spigots.*



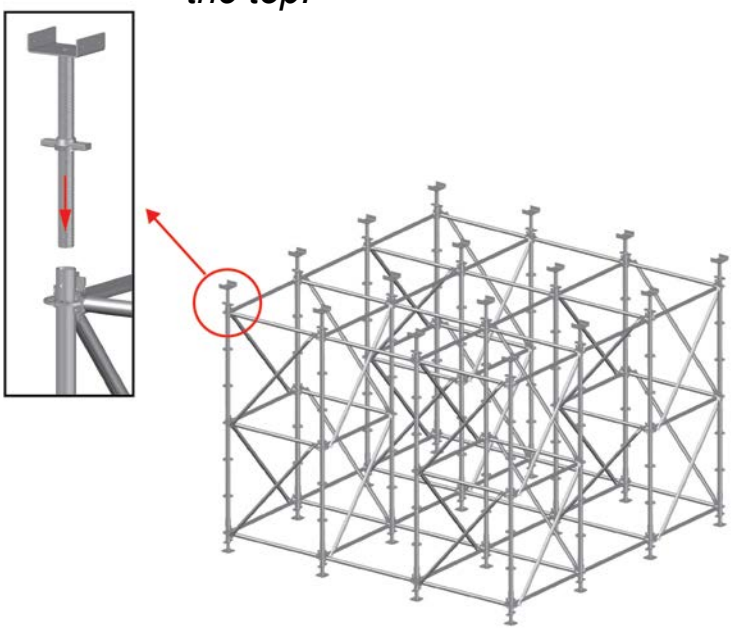
8 *The second layer of Diagonals.*



7 *The third layer of Horizontals.*



9 *U-Head Jacks are placed on the top.*



NB-Level Diagonal required only in specific situations
(i.e. high loading, crane lifted towers - to be advised by our engineers.)

12. Access Tower/Staircase

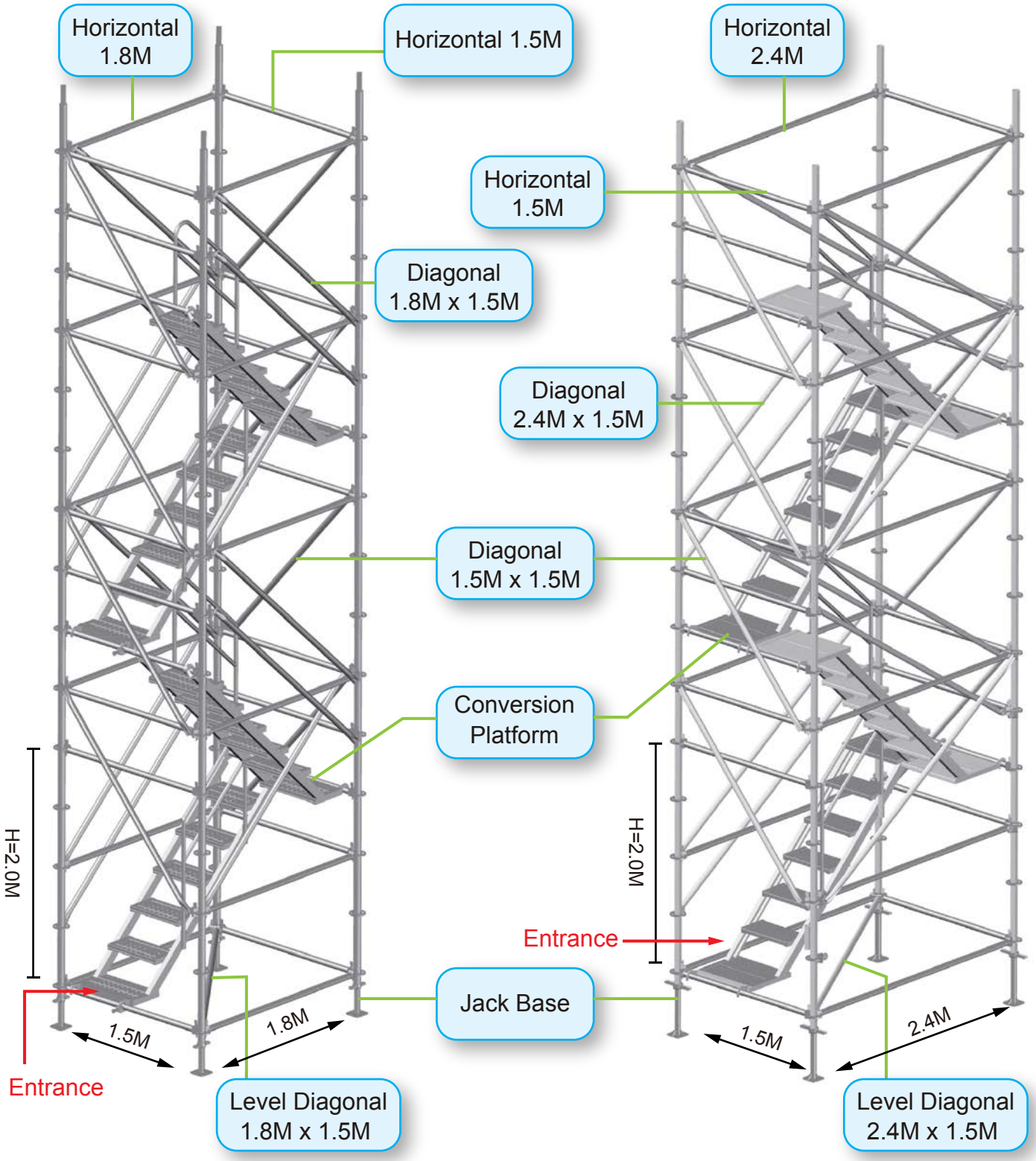
The Ring System Access Tower complies with EN 12810-1, providing a safe and convenient access staircase at construction sites.

Stair units completed with stair treads and top/bottom platforms (conversion platforms) are designed to fit with 1.5m vertical spacing on the Ring System.

The staircase is securely locked with Sucoot's special hook and wedge couplers. Internal handrails are attached to the staircase and Ring System Diagonals are used as external handrails. Each staircase weighs only 50kgs for easy erection.

Just set the hook fixed on Horizontal and hammer the wedge tightly for a secure connection.

Not only does the Access Tower comply with the international standard, but also it is conveniently accessible and practical to maximize efficiency at site.
Staircase: L1.8M x W1.5M / L2.4M x W1.5M



13. Movable Ring Coupler

Invented and developed by Sucoot for use in areas of limited height. The Movable Ring Coupler can be fixed in any position of a standard scaffold tube.

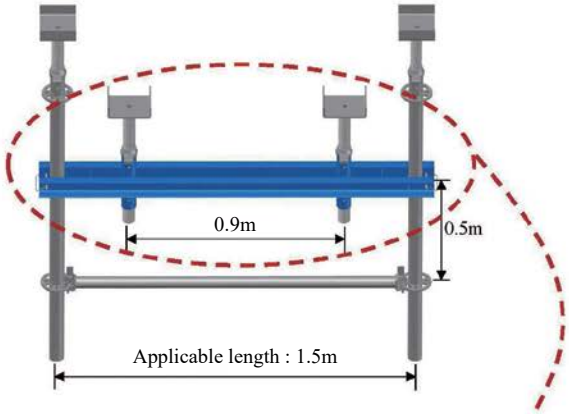
Ø48mm C50500
Ø60mm C60500

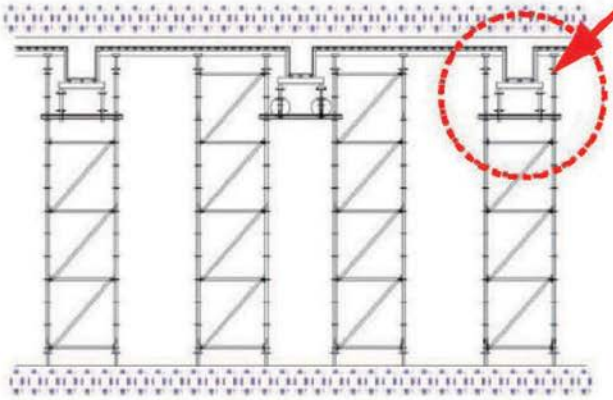
Ø60/48mm C60600

14. Heavy-Duty Beam Bracket

Apply to shore the roof beam formwork

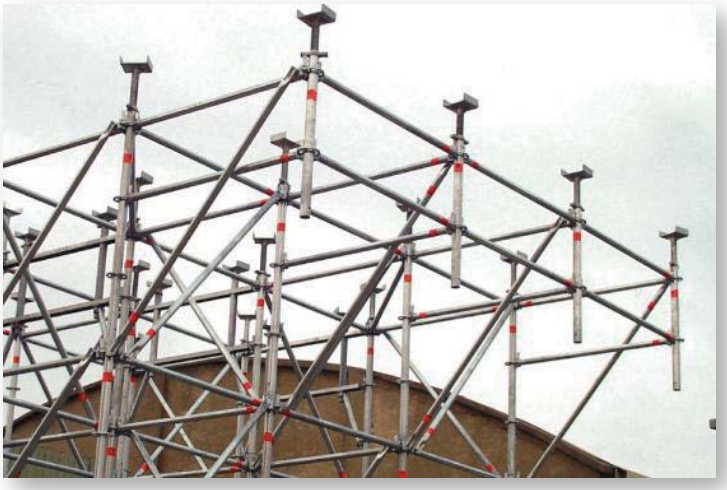
- *Scaffolding with the Bracket is able to shore the beam and the slab at the same time.*
- *The spacing between the Brackets is 1.5m and they can bear up to 90 x 120cm beam.*
- *Save material, time and labor cost.*





15. Bracket-Cantilever/Access

- *In difficult ground conditions (without supporting verticals from the ground).*
- *To provide access around the edges of falsework scaffolding.*
- *Special concert stages-various configurations.*



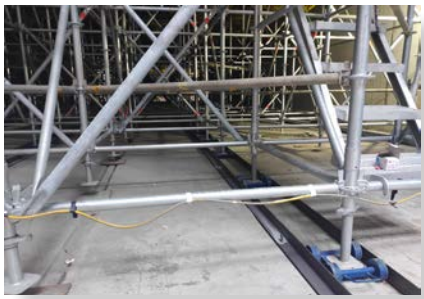
16. Scaffolding Drop Device

- *Auxiliary device for lowering scaffolding.*
- *Fix the drop device to the leg of Vertical (wedge locks respectively and tightly assembled to the first and the second ring disc at the bottom) and then cooperated with the jack for lifting operation.*
- *Place the jack on a flat ground, lift its main shaft to touch the pressure-bearing plate of the Drop Device, and lift it with appropriate force, to share and reduce the bearing load on handle nut. Then the handle nut can be easily loosened by hammer and further lower Jack Base.*
- *For safety purpose, to unrestricted lift the jack is strictly prohibited.*

17. Wheel

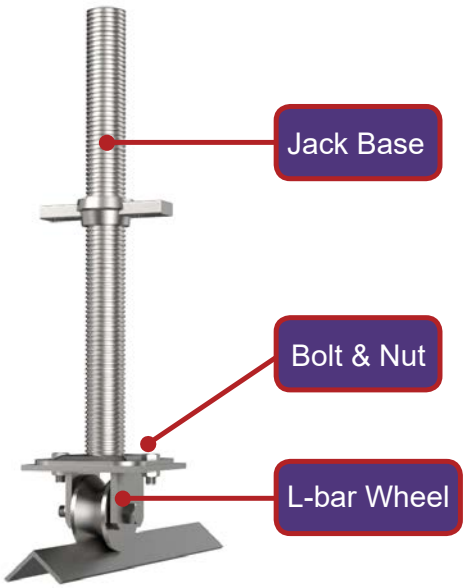
(A) Solid Wheel

- *It is placed under Jack Base and used to move the complete scaffolding towers.*
- *In use, it is necessary to lift Jack Base first at least 75mm from the ground, and then placing the Wheel.*
- *After the Wheel is exactly placed under the Jack Base, to adjust the height of Jack Base according to the ground elevation and make sure that Jack Base and Wheel are tightly fitted and locked.*
- *Before moving, the ground should be provided with rails or appropriate limiting measures to prevent the Wheels from shifting and turning on their own.*



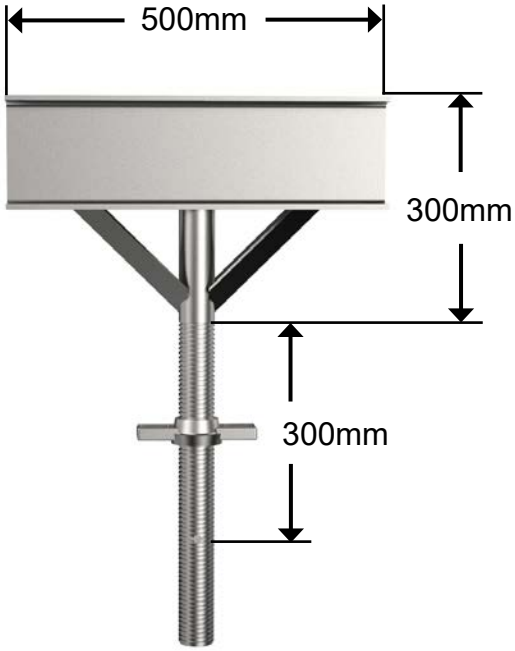
(B) L-bar Wheel

- *It is placed and fixed under Jack Base.*
- *It is necessary to lift Jack Base first at least 160mm from the ground, and then place the Wheel.*
- *To lock L-bar Wheel and Jack Base by Bolt & Nut.*
- *It is required to lay the angle iron track to facilitate the movement of L-bar Wheel.*

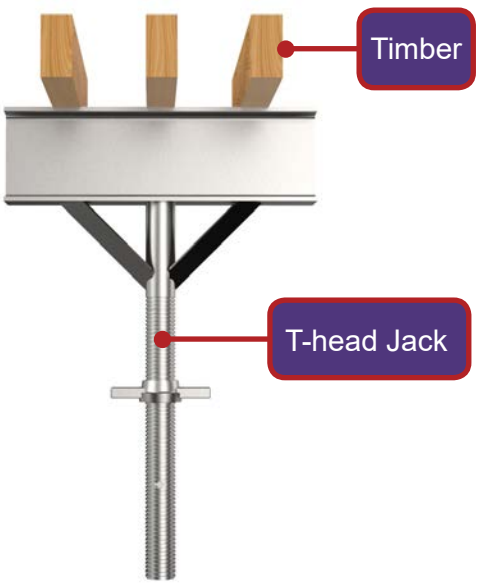


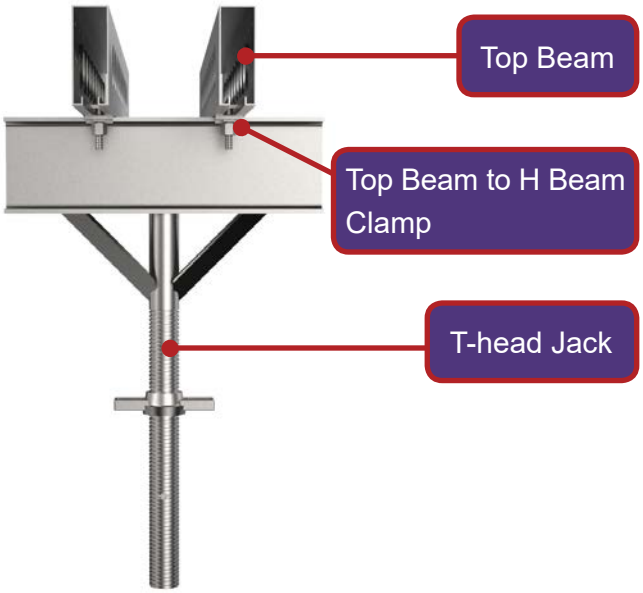
18. T-head Jack

- *Used for the outermost layer of shoring scaffolding, when there is a need for support above.*
- *The support length is 250mm from the center of the outermost shoring system to the left and right.*
- *The size of H Beam is 150×75×5×7mm × L:500mm.*
- *Adjustable height 300mm.*



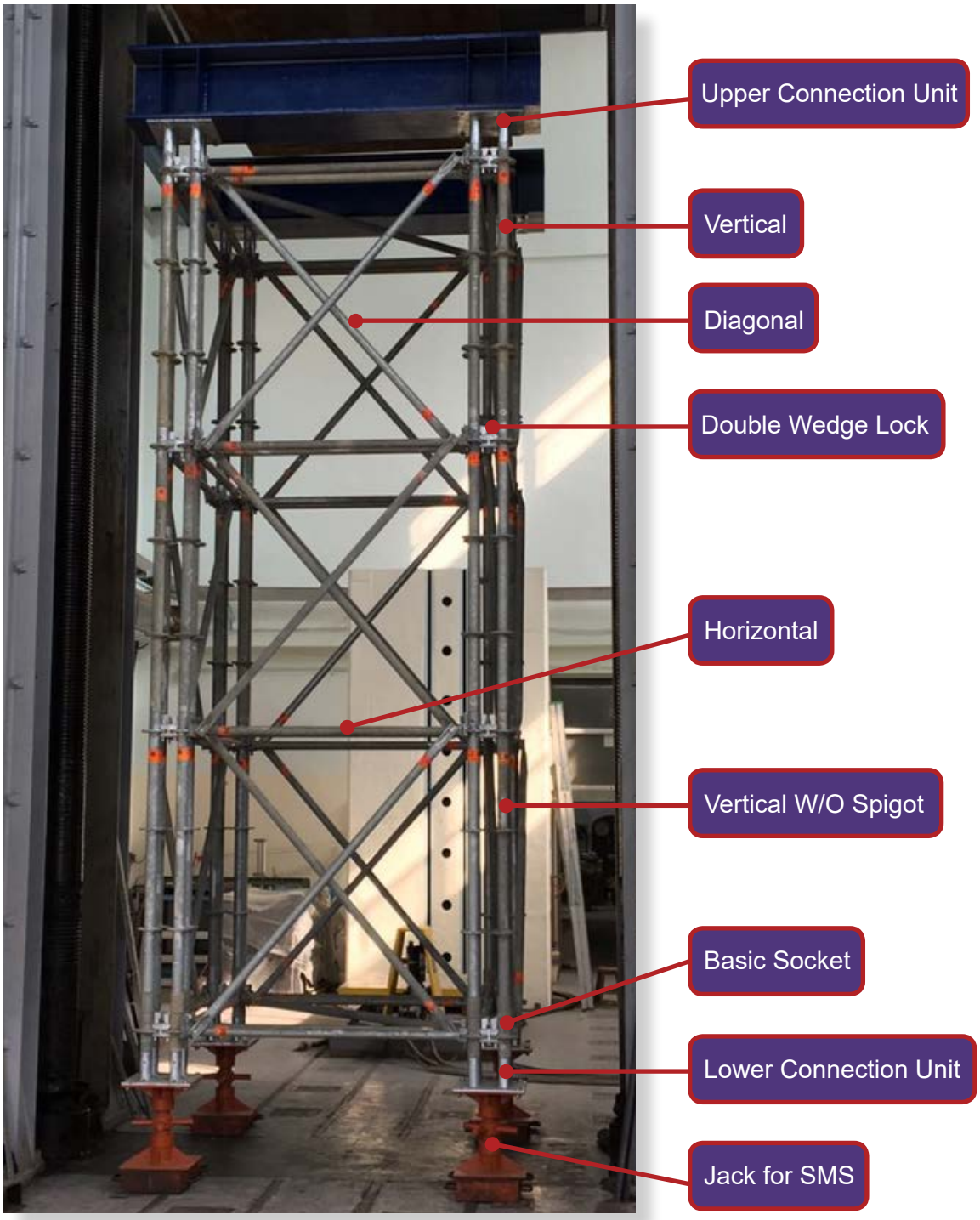
- *Application*





19. Super Modular Shore (SMS)

- *This is a variation of Ring System, and the main body is assembled with the standard components of shoring system.*
- *To assemble 4 Verticals forming a strong prop by Double Wedge Lock, which increases the supporting strength of the single prop by nearly 4 times, and can be used to replace the steel frame.*
- *The frame body can be extended horizontally and vertically by using the standard Horizontal and Vertical to increase its stability.*



● *Dimensions and Specifications*

Upper Connection Unit

- Connection : Put the pipe on the Spigot and fix by snap lock. Connect with main bearer or next SMS by bolt & nut.
- Material : Pipe STK500

Length : 140mm
Pipe : Ø60.2 x T:3.2mm
Plate : 220 x 220mm ;
Ø18mm x4 holes

Spigot for Upper Connecton Unit

- Main Purpose : To put into the top Vertical with spring pin and then assemble with Upper Connection Unit.

Length : 240mm
Square Tube 52.5 x T:3.0mm

Lower Connection Unit

- Connection : To fix with Jack by bolt & nut and then put Basic Socket on the Spigot for connecting with Vertical W/O Spigot.
- Material : Pipe STK500

Length : 140mm
Pipe : Ø60.2 x T:3.2mm
Plate : 220 x 220mm ;
Ø18mm x4 holes

Double Wedge Lock

- Main Purpose : Used to connect Verticals to increase the structural strength of frame body.
- Connection : Put Double Wedge Lock into the small holes of ring disc of the two adjacent Vertical, and fix by wedge
- Material : FCD450

Length : 90mm
(Distance between the Vertical center 150mm)

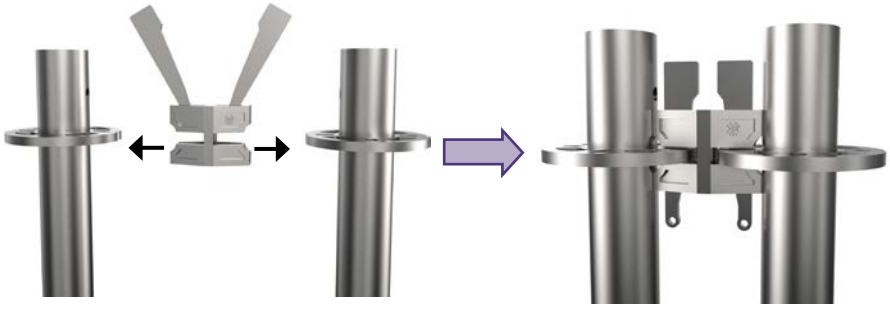
Jack for Super Modular Shore

- Main Purpose : To adjust the SMS height.
- Connection : To connect Upper/Lower Connection Unit by bolt & nut.
- Material : Threaded Tube STKM 13A
  Handle Nut SS400
  Base Plate SS400

Base Plate : 220 x 220mm
Threaded Tube :
Ø78 x T:12mm
Handle : Ø32 x 100mm
Adjustable : 390~520mm

Double Wedge Lock

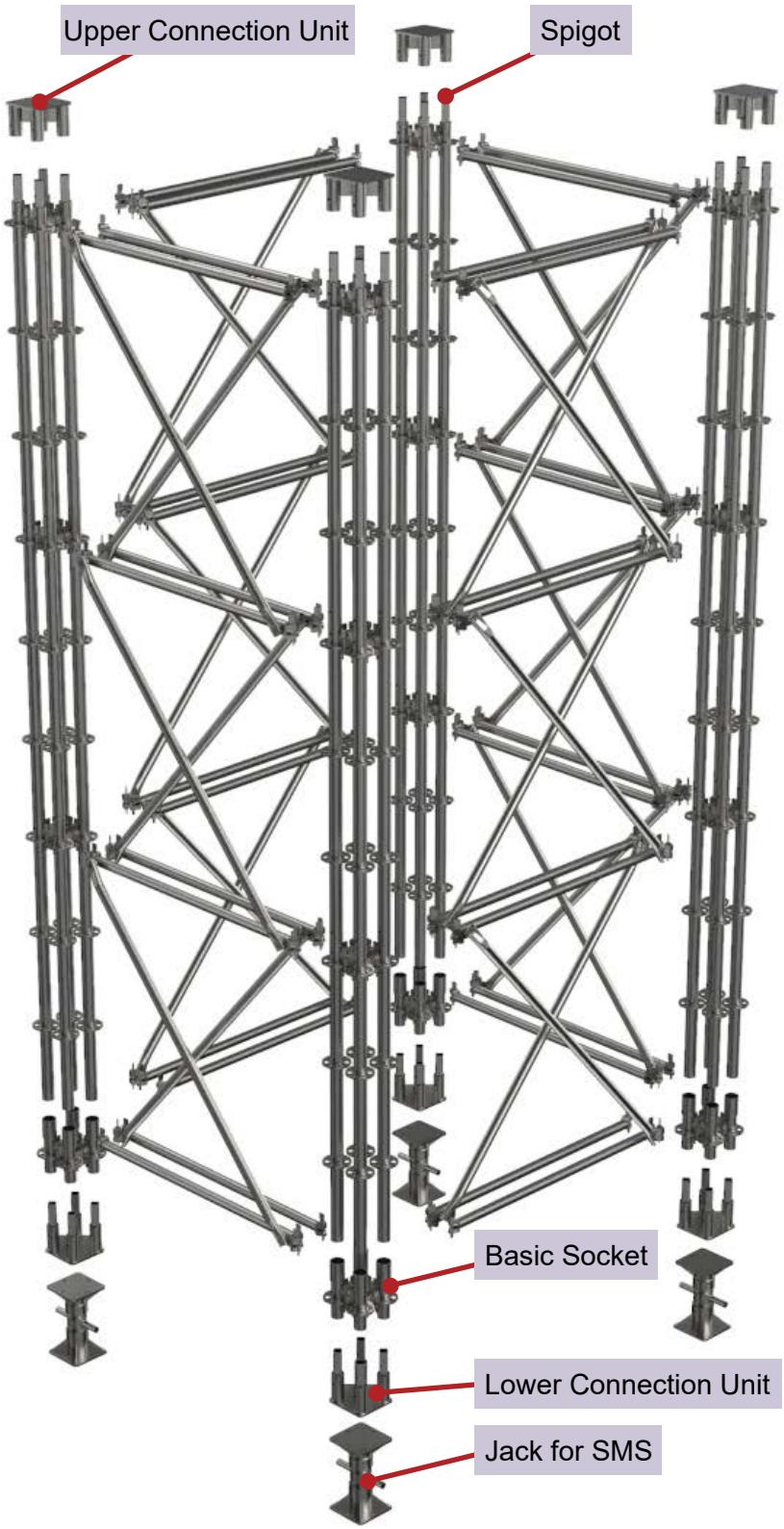
- *Used to connect 2~4 Verticals forming a strong prop to enhance the bearing capacity.*
- *It is often used for the scaffolding body that needs high bearing capacity design such as limited space, suspended scaffolding or temporary passage, and the addition of guardrail posts around the working platform.*
- *Applied to Ø48.6mm and Ø60.2mm Vertical.*

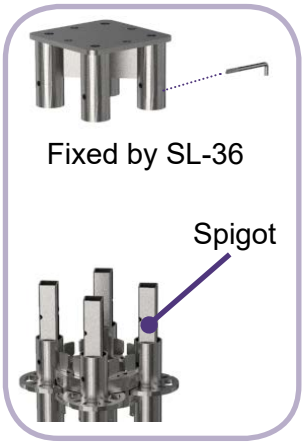


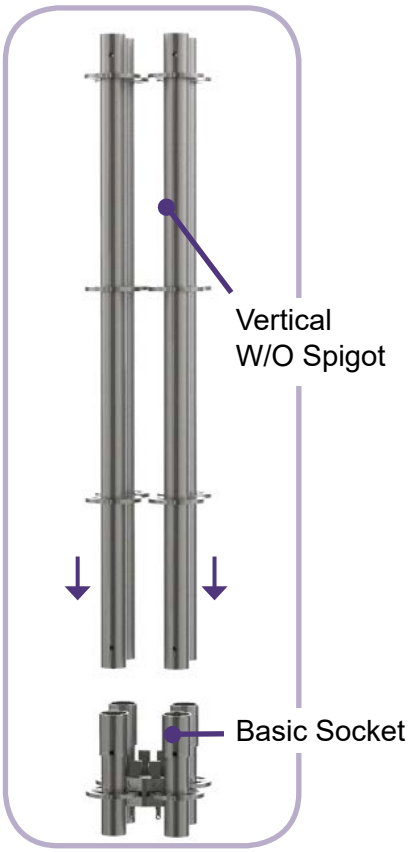
Application

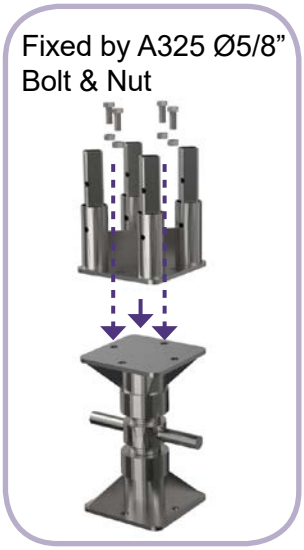
Super Modular Shore

● *Component Overview*









● *Test Report*

NCKU Research and Development Foundation
Engineering Technology and Material Laboratory
Department of Civil Engineering, NCKU
Testing Report Sheet

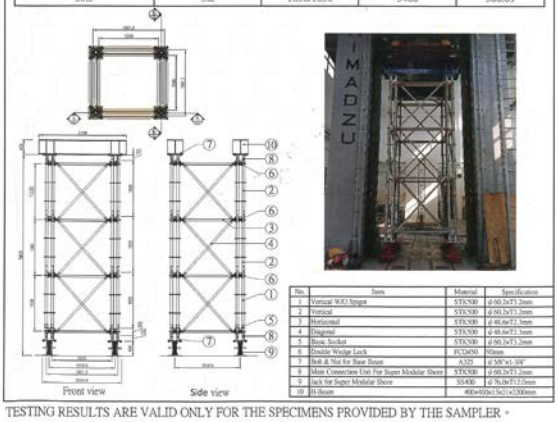
Page : 2/2

(107) No. SB0103 Date : December 20, 2018

Project : N/A
Truster : SUCOOT CO., LTD.
Sender : SUCOOT CO., LTD.
Sample : Super Modular Shore(SMS)(W : 1.5m*L : 1.5m*H : 5.4m)

Manufacturer : SUCOOT CO., LTD.
Sampler : SUCOOT CO., LTD.
Date Received : December 18, 2018

Tube Outer Diameter (mm)	Tube Thickness (mm)	Frame Dimensions (mm)		Max. Load (tf)
		Plan Dimensions	Height	
60.3	3.2	1650/1650	5400	306.09



No.	Item	Material	Specifications
1	Vertical With Spigot	STK500	φ60.2xT3.2mm
2	Vertical	STK500	φ60.2xT3.2mm
3	Horizontal	STK500	φ48.6xT2.5mm
4	Diagonal	STK500	φ48.6xT2.5mm
5	Basic Socket	STK500	φ60.2xT3.2mm
6	Double Wedge Lock	FCD450	90mm
7	Bolt & Nut for Base Beam	A325	φ3/8"x1-3/8"
8	Main Connection Unit For Super Modular Shore	STK500	φ60.2xT3.2mm
9	Jack for Super Modular Shore	S5400	φ76.0xT3.0mm
10	H-Beam		400×400×13×21×2300mm

TESTING RESULTS ARE VALID ONLY FOR THE SPECIMENS PROVIDED BY THE SAMPLER。

Tester : Yung-Feng Lee

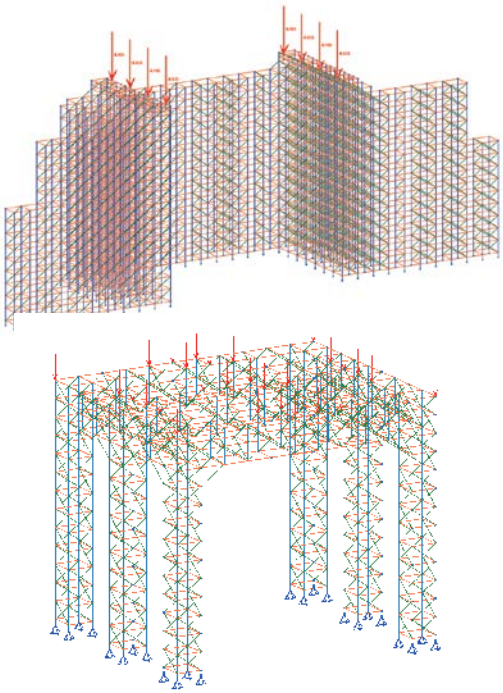
Loading Test (Before)

Loading Test (After)

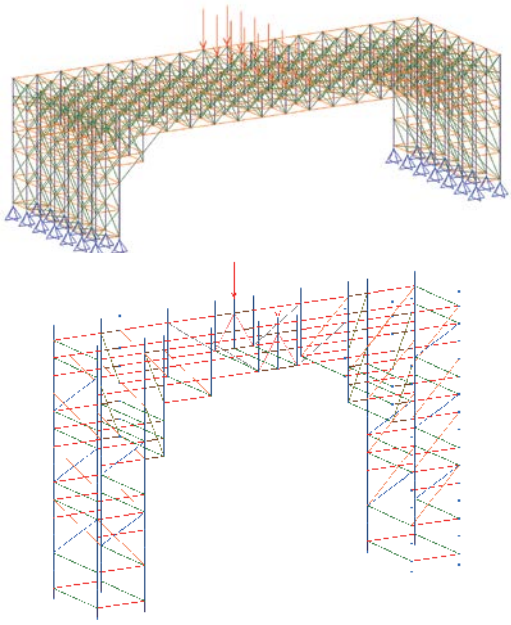
20. Design

With the extensive work experience, our engineering team can provide the effective and efficient design, including full site assembly details and load calculation.

1. Staging for Music Concert, Sports Meet and Election Campaign



2. Suspended Scaffolding – Towers and Bridge



21. Conclusion

The optimum structure design, advanced construction methods are the essential factor to a project. Following are the advantages of our Ring System Scaffold :

- *It can be applied in extensive range of projects.*
- *Applied with the advanced construction methods can save time and labor cost.*
- *High quality and precision scaffolding enable us to deliver an excellent performance on load-carrying capacity.*

Significant projects where our Ring System Scaffold has been used:

Taiwan :

- *National Freeway NO.3 – C305,C318.*
- *Taiwan High Speed Rail – CIP C210,C215,C220,C280,C295, Access Tower T210, T220, Station S220, S280, S290.*
- *Taipei Rapid Transit – Neihu Line, Nankung Line CE-730A.*
- *Kaohsiung Rapid Transit – CR5, CR6.*
- *Taipei – Ilan Expressway.*
- *Taiwan Railway – Elevated Project (Wutu-Hsichih), Wujih New Station.*
- *Hi – Tech Factory – Hsinchu, Central Taiwan & Southern Taiwan Science Park.*
- *Bali-Shin Dien Expressway C801.*
- *Dragon Steel Corporation – Phase 2 Expansion Project.*
- *Taichung Metropolis Road No. 4 – C704A, C706, C707, C708, C709B and No. 2.*
- *National Freeway No.6 – C602, C604, C608, C609.*
- *Taoyuan Airport Access MRT – CE02,CE03B.*
- *Yuanlin Township Area Elevated Railway Project – YCL121,YCL321.*
- *Hualian – Taitung Electrification Project – CL312, CL314.*
- *Kaohsiung Metropolitan Railway Underground Project – CL112, CL113, CL311.*
- *Elevated Railway System of MRT Development in Taichung – CCL431.*
- *Beimen – Yujing East – West Expressway Project – E707-3.*
- *Taichung MRT - CJ910, CJ920*
- *Taichung High-Tech Industrial Southward Road& Daija River Across Bridge*
- *Taipei MRT - Wanda Line CQ860, CQ870, CQ840, CQ842, CQ850A*
- *Taoyuan MRT - Green Line GC01, GC02, GC03*
- *Tainan Metropolitan Railway Underground Project – C211, C214*

Other Countries :

- *Thailand – Suvarnabhumi Airport, Airbus A380 Maintenance, Bridge*
- *Malaysia – Box Girder, Pier Cap.*
- *Dubai, U.A.E. – Canal Bridge.*
- *South Africa – Koega Bridge.*
- *Spain – Bridge.*
- *Vietnam – Mong Duong II Coal Fired Power Plant, Pump Station.*
- *Congo – Building Shoring, Wall Construction.*
- *Colombia – Bridge.*
- *Philippines – Shopping Mall Project.*
- *Singapore – Plant Project.*
- *Indonesia – Melak Bridge at East Kalimantan, Shoring and Formwork of Cooling Tower.*
- *China – Chongqing Bridge, Haikou Underground Box Culvert*
- *Israel – Logistic Center with Galleries, Factory, Bridge.*
- *New Zealand – Factory.*
- *Mexico - Access Tower for Commercial Building*
- *Panama - Working Platform for Containers at Terminal*

SUCOOT

SUperior COmpany Of Taiwan

SUCOOT CO., LTD.

NO.1836, SEC. 4. TAIWAN BLVD.,TAICHUNG 40764, TAIWAN

TEL：+886-4-2359 8338　FAX：+886-4-2359 8480

E-mail:info.ws@sucoot.com

http://www.sucoot.com

2024/07