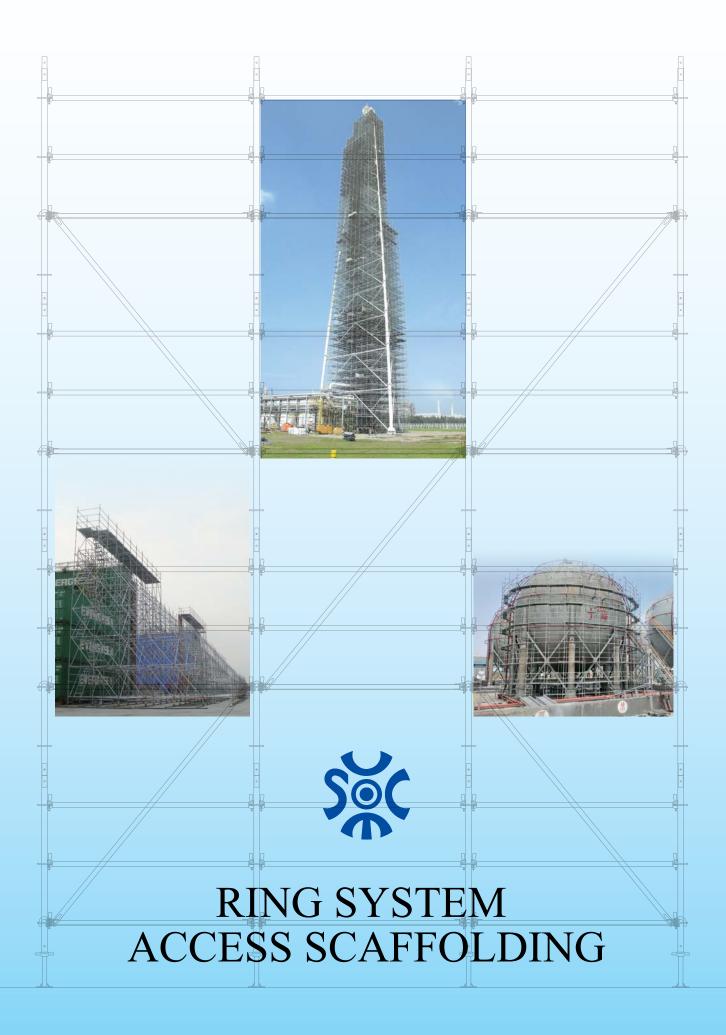
SUCOOT



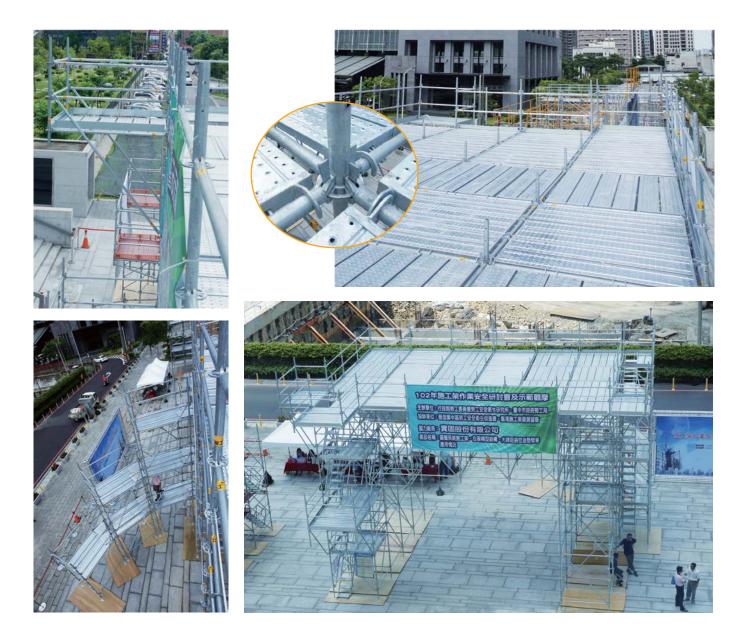


SUCOOT CO., LTD. RING SYSTEM ACCESS SCAFFOLDING

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SUCOOT CO., LTD. RING SYSTEM ACCESS SCAFFOLDING



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 safety, strength and durability to meet international standards within this industry. In terms of working processes, we have expertise in iron casting, steel forging and thread rolling. We are confident that our quality is on par with other world-leading



brands. Especially our Ring System Scaffold, it has been widely used in many civil engineering projects around the world.

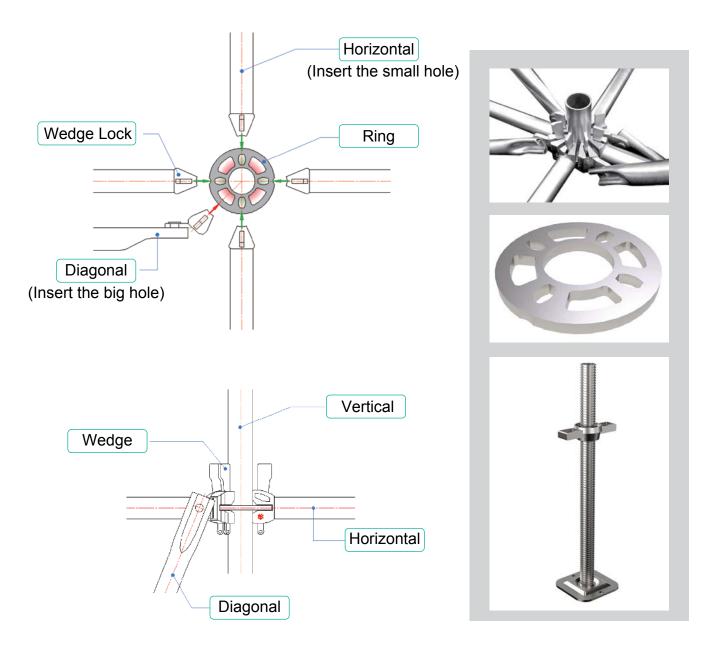
In 2008, we developed a Light-Duty Ring System for façade application use such as petrochemical, energy, manufacturing and wall refurbishment. It has gained many great reviews from clients and end users. We were also honored to work with Oscar best director, Ang Lee, assisting to create the movie scene, Life of Pi. Our engineering team combined brand-new thinking with our Ring System Scaffolding and outstanding techniques to create the film's value.

Our Ring System Scaffold also complies with the current EN standard, EN 12810-1. We are the first manufacturer in Asia to obtain EN 12810-1. This is your reassurance that our product not only meets international standards but it is of the highest quality.



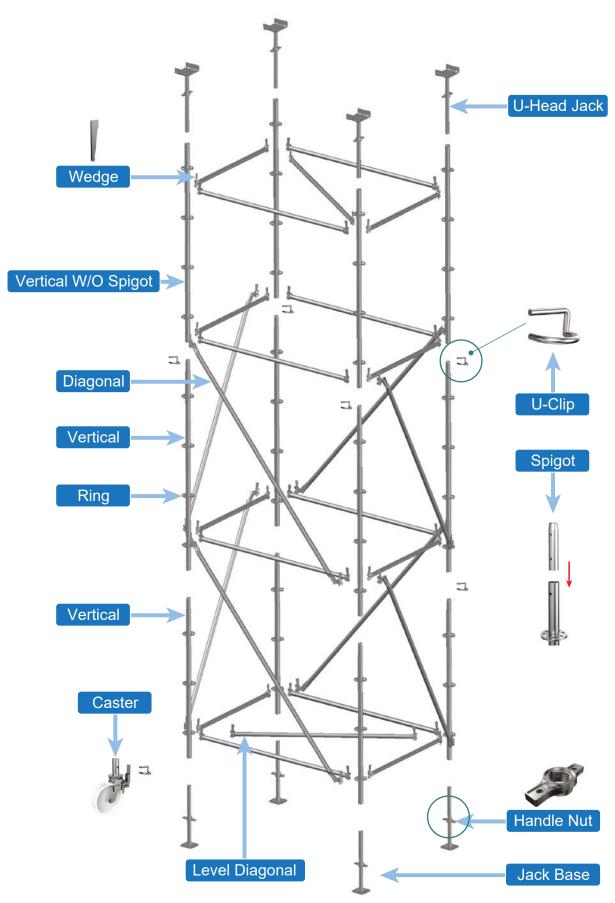
2.Main Concept

- (I) There are three main parts of access scaffolding: vertical, horizontal and diagonal. The dimensions are specifically designed for a variety of situations and applications. All components are hot dip galvanized for the antirust purpose to increase the product life for repeated use.
- (II) There are several connections in the Ring System designed for multiple purposes. The rings on the vertical are spaced 45-50cm apart from each other and the wedge lock provides a secure connection with the vertical. Our access scaffolding gets rid of all clamps and any other exterior connectors for a simple and stable outcome. With this simple design, time, labor and material costs can be saved. With the safest, most economical, quickest system, we can say it's one of the best in the market.





3.Component Overview







4. Applications and Features

Our access scaffolding is designed for a variety of projects, including in difficult terrain and suspended condition. With the features of easy assembly/disassembly, safety and stability, it can save time and costs at work.



4

4



5. Dimensions and Specifications

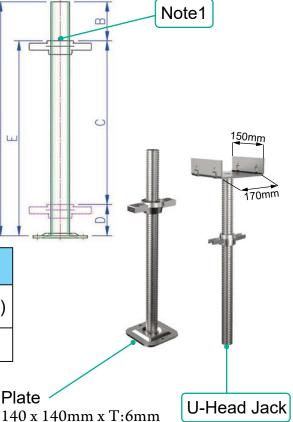
5.1 Jack Base

The Jack Base is easily adjusted for a level height according to terrain change.

Threaded Tube Ø38.5mm × T:4.0mm × 600mmL(STK 400) Handle Nut (FCD450)

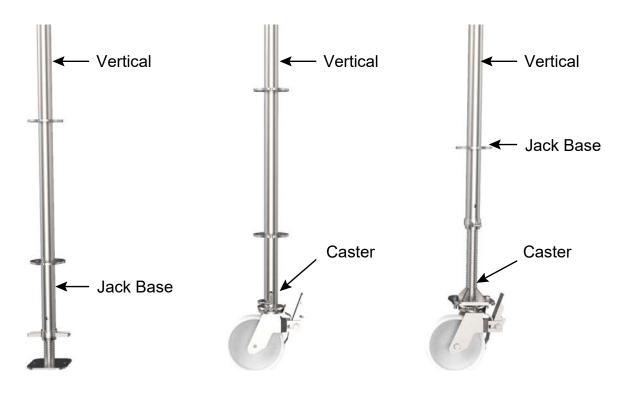
*Note 1:	Jack Base with a stop to prevent
	the handle nut from getting out and
	to ensure the connection with vertical
	over 100mm for safe load bearing.

Dimensio	ons (mm)	Adj	ustable Lei	ngth (mm)
(A)	(B)	Max.(E)	Min.(D)	Adjustable(C)
600	100	500	80	420



5.2 Caster

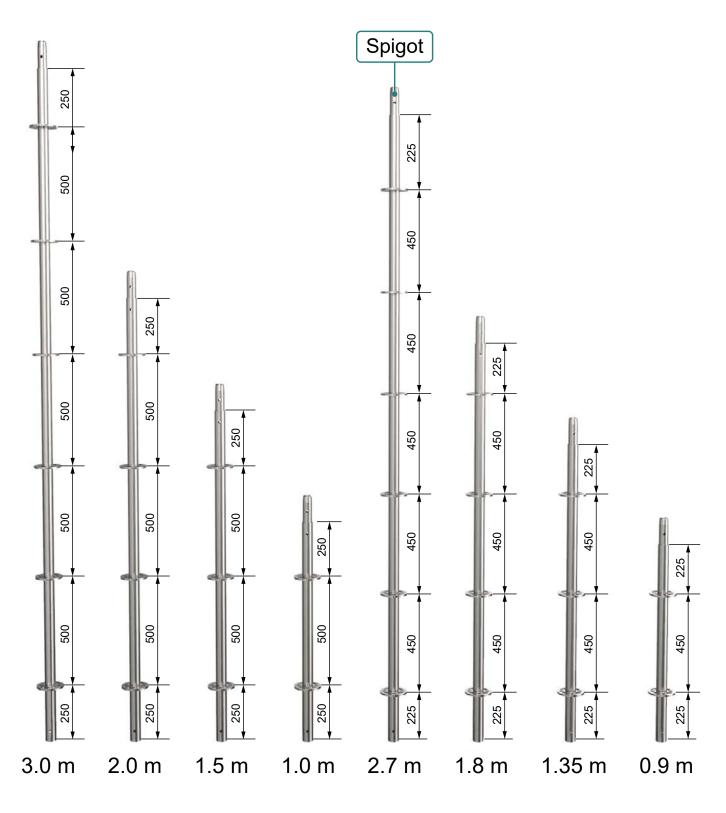
For mobile scaffolding, casters are used to replace jack bases. The mobile scaffolding is normally used indoors on level surfaces.



5.3 Vertical

The vertical is the main support of the entire system connected by spigot. The pipe is Ø48.6mm x T:2.5mm (STK500) with standard dimensions as below: (other special lengths can be customized)

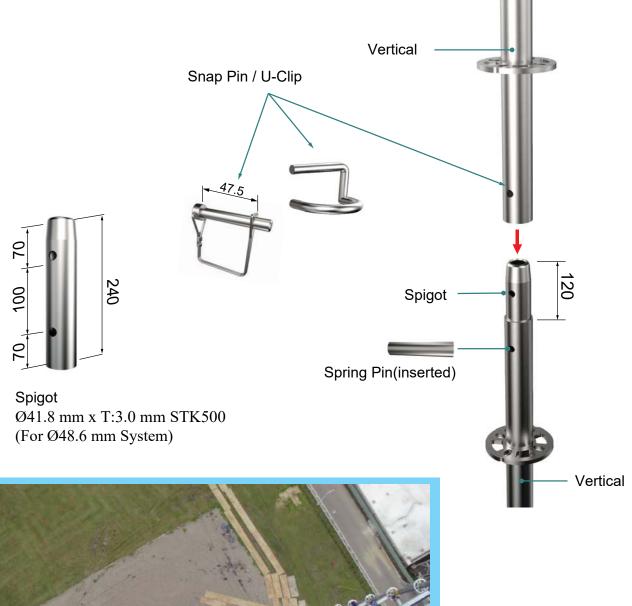
The ring plate of thickness 8mm are spaced 50cm (or 45cm) apart from each other with 8 holes for assembling horizontal and diagonal.



5.4 Spigot and U-Clip

Two verticals are connected by a Spigot and secured by a U-Clip to avoid wind shifts or slippage.

The spigot is made of Ø41.8mm × T:3.0mm × 240mmL(STK500) pipe.

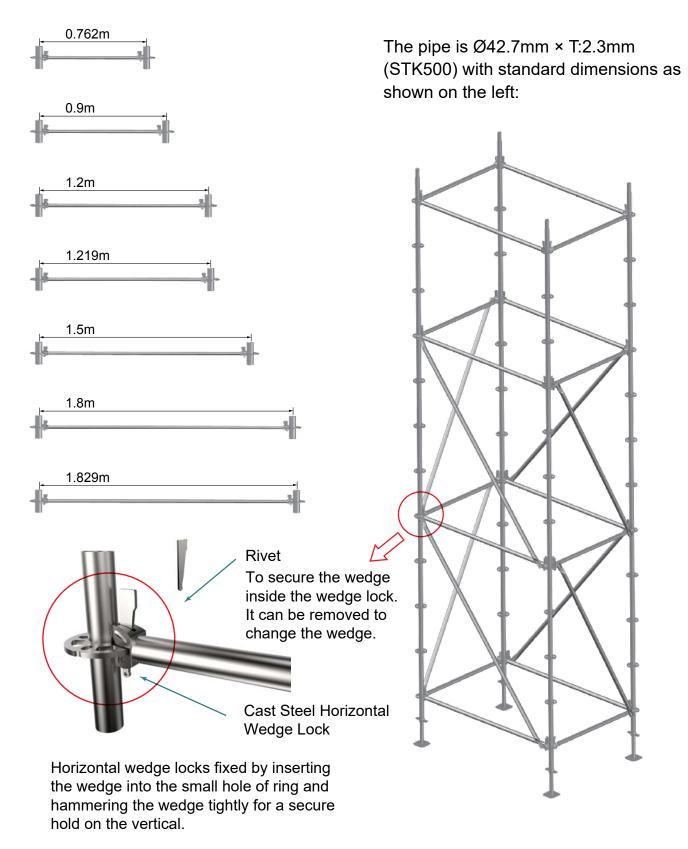






5.5 Horizontal

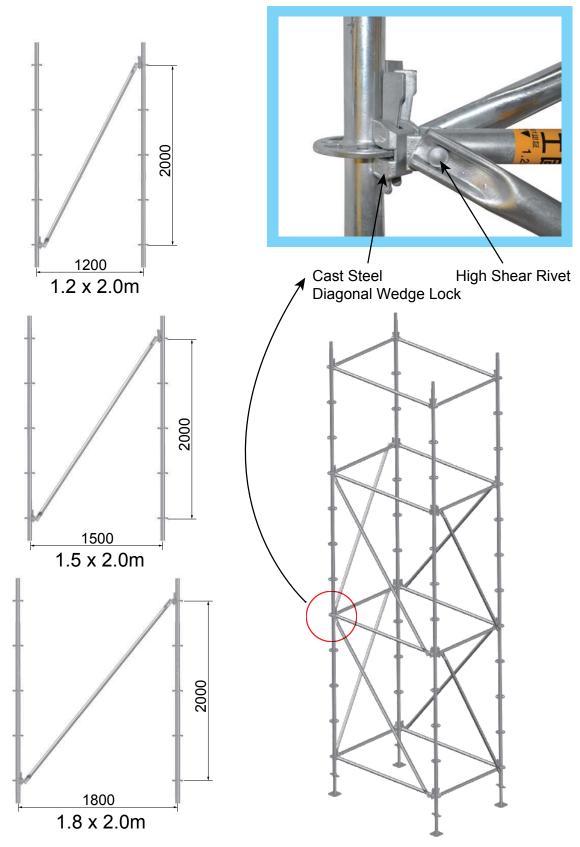
The horizontal connects verticals and allows hanging of planks and staircases. The secure connection transfers all lateral forces to the verticals for maximum load capacity.



5.6 Diagonal

The diagonal is a supplementary part to strengthen the stability of the entire system.

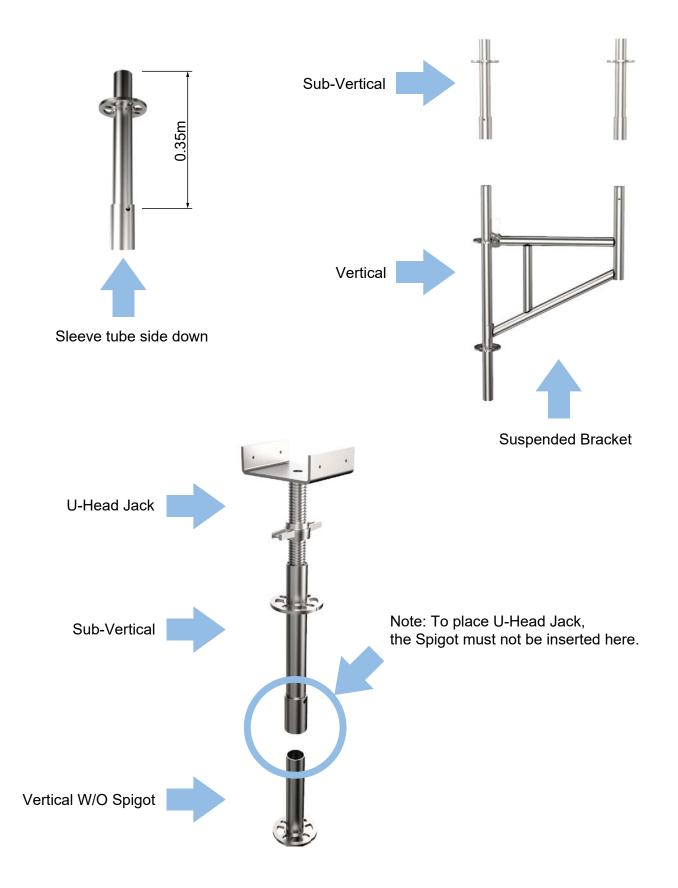
The pipe is Ø42.7mm × T:2.3mm(STK500) with standard dimensions as below:





5.7 Sub-Vertical 0.35m

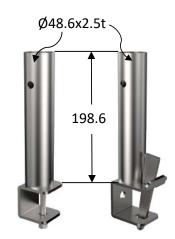
Sub-Vertical (sleeve tube side down) inserts into the top of Vertical in order to adjust the height more flexibly, especially for slope ground.



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5.8 Guardrail Clip

- Material: STK500 •
- It is used when working platform or walkway needs a guardrail.
- It can be used when the opening under the staircase needs a guardrail.
- Between two horizontals, when there is no vertical at both sides for the horizontal assembly to form a guardrail, it can be fixed at any place at horizontals for vertical erection.
- It can also be fixed at any position at the Horizontal and or the long side of the plank. After assembly of Vertical on the top and Horizontal, it quickly forms a guardrail.



For Plank

For Horizontal











Vertical can be connected at the top



At the staircase corner



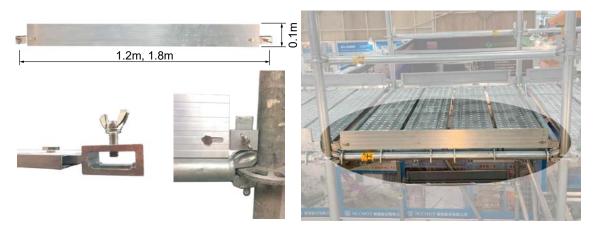
Any place at the horizontal



Any place at the plank long side

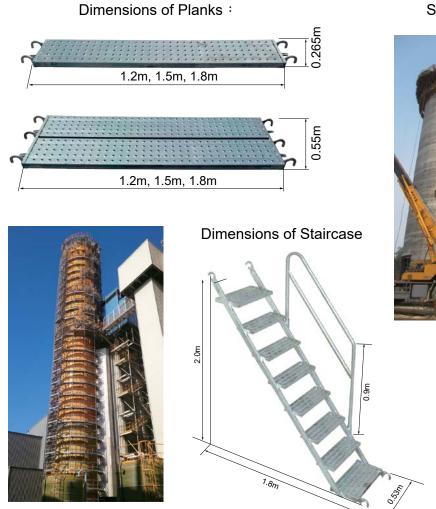
5.9 Aluminum Toe Board

- It is made of aluminum (6063T5), lightweight, and rustless.
- Put the squared hook of toe board both ends into the wedge of horizontal and manually fix by wing screw, no tool required.
- The height can be customized (10 / 15 / 20cm).



5.10 Plank and Staircase

The plank and staircase are made of anti-slip pegboard. Furthermore, they provide ideal moving lines and a stable workplace.



Staircase for Slip Form





5.11 L-Shaped Hanging Rack

L-Shaped Hanging Rack is designed to fit with SUCOOT's standard plank width 265mm (length 1.2m, 1.5m, or 1.8m according to the required span) as the first step in order to reduce the height difference between the entrance and the ground.



When the heavy-duty shoring system is used as a working platform, the steel planks are placed as a walkway. Due to the space of the two rings 500mm, there will be a big height difference between the two layers of the plank. Use L-Shaped Hanging Rack to accept one plank forming a buffer step to reduce the height difference.



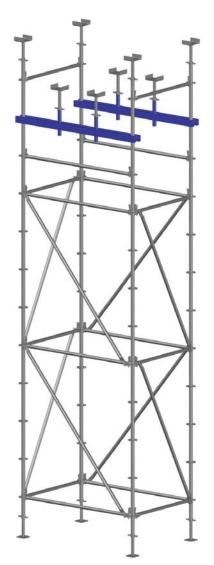
SUCOOT CO., LTD. RING SYSTEM ACCESS SCAFFOLDING

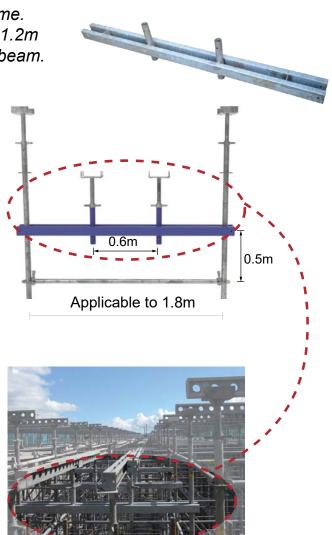


5.12 Light-Duty Bracket

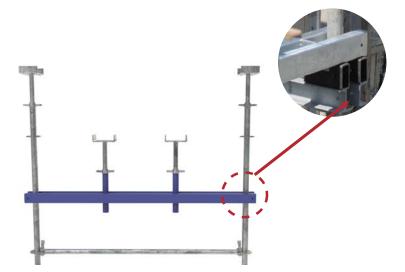
Apply to shore the roof beam formwork

- Scaffolding with the Bracket is able to shore to beam and the slab at the same time.
- The space between the Brackets is 1.2m and they can bear up to 45 x 70cm beam.
- Save material, time and labor cost.





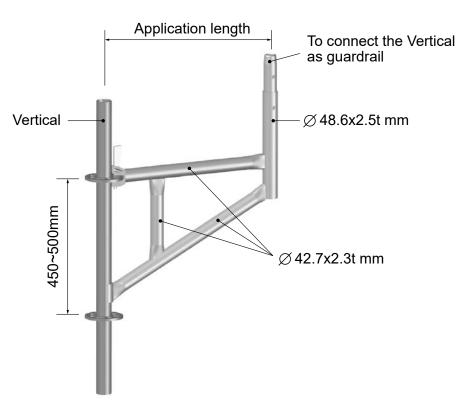


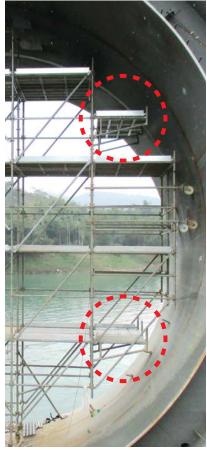


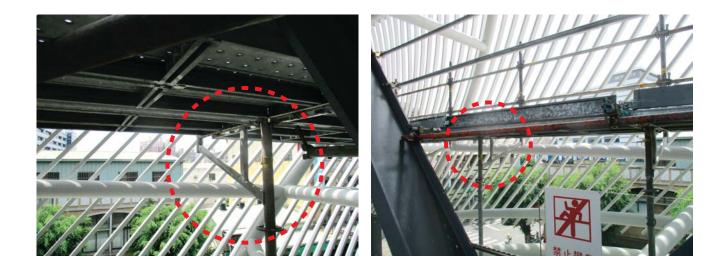
5.13 Suspended Bracket

Use to extend the suspension working platform which can solve the problem of inability to support below and save the material.

- Material: STK500
- Hang the suspended bracket into the ring of the vertical and put the plank on it to form a suspension platform.
- Length: 0.6m, 0.762m, 0.9m, 1.2m, 1.219m, 1.8m, 1.829m, other sizes can be customized.









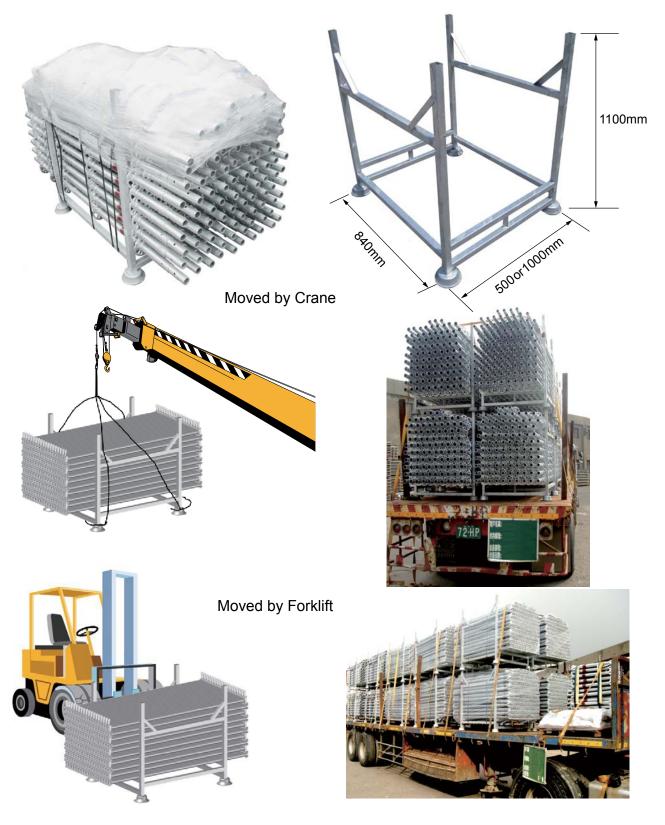
- 5.14 Telescopic Suspended Bracket 0.5 ~ 0.8m
 - Material: STK500
 - Similar to the suspended bracket, the inner tube can be extended to allow one more plank width 265mm.





Specification : L840×W1000×H1100mm; L840×W500×H1100mm。

The Features: Save space for storage, convenient for inventory, loading / unloading and transportation.







6.Project

Columbarium Pagoda Refurbishment



Taipei Dome Complex



National Museum of Marine Biology and Aquarium



The Shooting Scene for Life of Pi



FPCC No.6 Naphtha Cracking Project (140m Height)





Petrifaction Equipment Maintenance



Round Tank Refurbishment



Pillar Construction



Mobile Working Tower



Shipyard Application



Steel-Structure Bridge Refurbishment



Building Wall Decoration



District Court Steel-Structure Roof



Slab Shoring for Power Station





Hushan Distributing Reservoir



Petrifaction Pipe Annual Maintenance

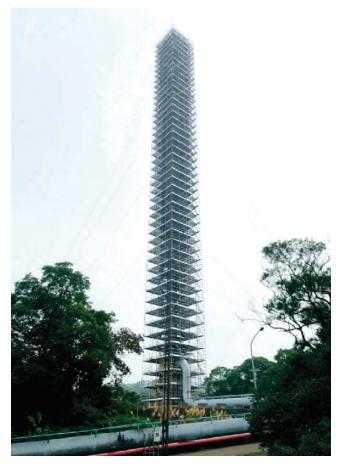






Burning Tower Project (100m Height)

Slope Walkway





Aircraft Maintance





Suspended Scaffolding (36m Height)



Cantilever 5.4m



Circular Scaffolding



Swivel Horizontal / Swivel Telescopic Horizontal



Arc Cover Plate for Round Tank







7.Test Report



The values below are the random testing result. For structural calculation, please use the formal values we provide.





8.Certification

Features

- 1. The main components (Vertical, Horizontal, Diagonal) are using the STK500 material for Lightweight and High-strength with Hot Dip Galv. finish for repeating use.
- 2. No visible gap between the vertical connection.
- 3. The gap tolerances for vertical and spigot have been controlled at 1.8mm.
- 4. Verticality and Horizontality of our assembled scaffolding are extremely accurate.

EN 12810-1 Certificate Number: **TPI.0040 TCF.**

	STATE	ME	NT OF COMPLIANCE
	Name	1	SUCOOT CO., LTD.
Manufacturer	Address		Site1:1F,No.1836, Sec.4, Taiwan Blvd., Xitun Dist., Taichung City 407, Taiwan Site2: No.225, Sec.7, Zhongqing Rd., Shalu Dist., Taichung City, Taiwan
Product Name		X	SCAFFOLD SYSTEMS MADE BY STEEL
Models		4	Scaffold EN 12810 - 3D - SW [I] / [II] - H1 - [III] - [IV] I : 06, 09, 12, 15, 18, 21, 24. II : 60 - 240. III : A.B. IV : Empty ,ST.
Applicable Standa	irds	1	EN 12810-1:2003, EN 12810-2:2003 Annex B EN 12811-1:2003 , EN 12811-2:2004, EN 12811-3:200 Load Tests: EN12810LT/21/10/001
Test Reports		- 4	EN12810LT/21/10/002
This is to attest the Third Party Author Construction File o The Technical Con	rity, has received, If the above mention	nt re archi	Drop Tests: EN12810DT/21/10/001 EN12810DT/21/10/002 quest of SUCOOT CO., LTD./, EUROCERT S.A. as yed and proceed to the examination of the Technical
This is to attest thi Third Party Author Construction File o The Tochnical Con TPL0040 TCF. All modifications to Authority to ensure	rity, has received, if the above mentio struction File has the Technical File e further validity o	ut re archi been been e shou f this	Drop Tests: EN128100T/21/10/001 EN128100T/21/10/002 uset of SUCCOT CO., LTD., EUROCERT S.A. as ved and proceed to the examination of the Technical prodet. archived at EUROCERT's records with code mamber uld be first submitted to the Third Party Inspection
This is to attest the Third Party Author Construction File o The Technical Con TPL0040 TCF. All modifications to Authority to ensure This statement is se	rity, has received, If the above menti- struction File has the technical File e further validity of ubject to unexpect	nt re archi been been e shou f this ted so	Drop Tests: EN1281007/21/10/001 EN1283007/21/10/002 guest of SUCCOVC CQ. LTD EUROCERT S.A. as ved and proceed to the examination of the Technical prodect. archived at EUROCERT's records with code number uld be first submitted to the Third Party Inspection statement.
This is to attest the Third Party Author Construction File of The Technical The Technical PPL0040 TCF. All modifications to Authority to ensure This statement is so This statement is so	rity, has received, If the above menti- struction File has the technical File e further validity o ubject to unexpect ralid until 12/12/2	mt re archi been been e shou e shou f this ted sa	Drop Tests: EN1281007/21/10/001 EN1283007/21/10/002 guest of SUCCOVC CQ. LTD EUROCERT S.A. as ved and proceed to the examination of the Technical prodect. archived at EUROCERT's records with code number uld be first submitted to the Third Party Inspection statement.
This is to attest this Third Party Author Construction File of TPL0040 TCF. All modifications to Authority to ensure This statement is so This statement is so The validity of this The validity of this Construction of the the the the the Construction of the the the the the Construction of the the the the the the Construction of the the the the the the Construction of the the the the the the the the the the the the the the the the the the	rity, has received, if the above menti- struction File has been been been been been been outpet to unexpec- ralid until 12/12/2 statement subject	nt re archi oned j been e shou f this ted si ted si ted si ted si	Drop Tests: EN1281007/21/10/001 EN1281007/21/10/002 guest of SUCOOP CO., LTD., EUROCERT S.A. as vota and proceed to the examination of the Technical product. archived at EUROCERT's recends with order number uid be first submitted to the Third Party Inspection statement. urweilance visits by EUROCERT.S.A.

The vertical deviation has been controlled at 0.3%

ANSI/ASSE A10.8 Certificate Number: TPI.0015.

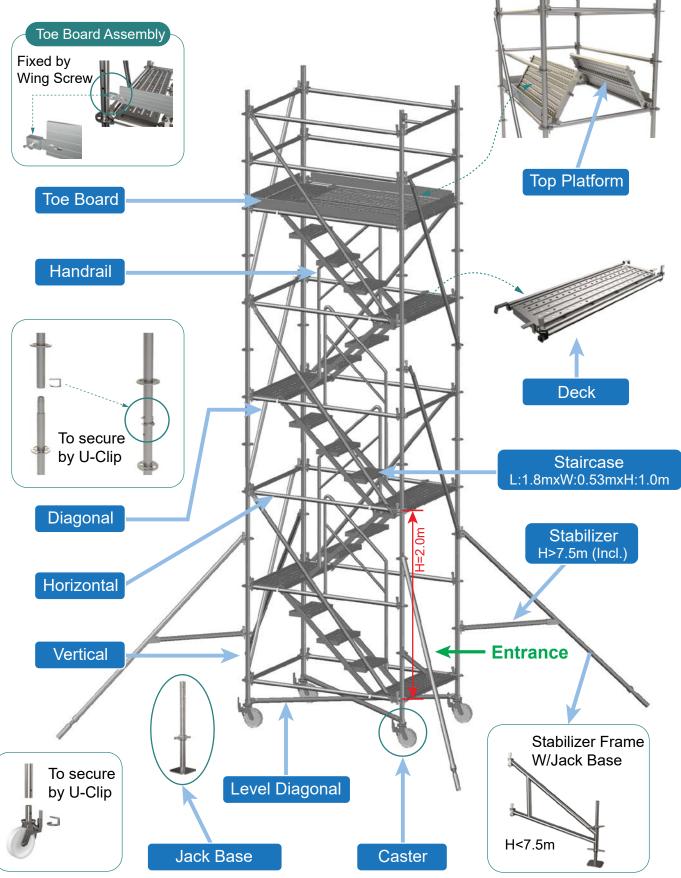
EURO	PEAN INSPEC	CTIO	N AND CERTIFICATION COMPANY S.A.
	-		CERTIFICATE No: .TPL0015
414			
	Name	1	I PROP CO., LTD.
Manufacturer	Address	1	No. 225, Sec. 7, Zhongqing Rd., Shalu Dist., Taichung Cit 43348, Taiwan
1997	Name		SUCOOT CO., LTD.
Applicant	Address		No. 1836, Sec. 4, Taiwan Blvd., Xitun Dist., Taichung Ci 40764, Taiwan.
Senter di di di	Product Name	:	SCAFFOLD SYSTEMS MADE BY STEEL
Relevant Equipment as described to the Technical File.: LG-2019001-A1	Models		[M] - TD[I] - [II] x [III] - [IV] - [V] M : HSF, LSF, FF I : 60.2, 48.2, 48.6 II, III, IV: 06 to 2.4 V : 1, 2, 3
Applicable Standards		1	ANSI/ASSE A10.8 - 2011
Test Reports		- 11	Leading Tests: A10.81;72003-001, A10.81;720/03-002 A10.81;720/03-003 Connecting Device Tests: S7720/03/001, S172/00/3002, ST/20/03/003
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Party Authority, has n File of the above ment The Technical Constr TPL0015. All modifications to th Authority to ensure fu	ecceived, archiv ioned product, ruction File h are Technical Fi rther validity o cet to unexpect l until 09/04/20	ile sh ide sh ide sh ided sa 023.	aveillance visits by EUROCERT.S.A.

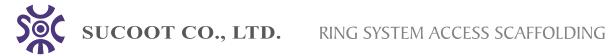
Wall construction for TSMC



9. Mobile Working Platform

9.1 Component Overview







Application:

Taoyuan MRT – Access Staircase from the ground to the top of slab form

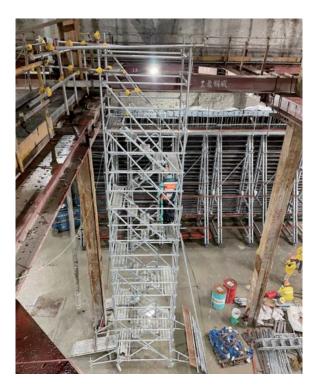


Taoyuan MRT – Access Staircase on site

Hushan Distributing Reservoir – Access Staircase & Walkway to connect the inside and outside



Taoyuan MRT – Access Staircase for upper working platform attached to Single-sided Wall Form



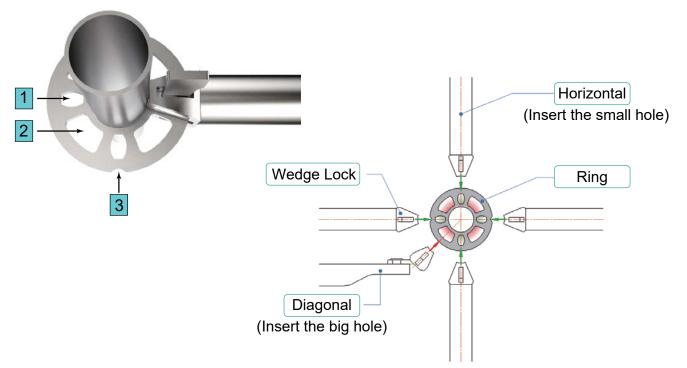




9.2 Assembly Diagram of Working Platform

- 1 -Small holes : 4 holes for horizontal assembly (fix the wedge locks on ring and hammer the wedges tightly).
- **2** -Big holes : 4 holes for diagonal or level diagonal assembly (fix the wedge locks on ring and hammer the wedges tightly).
- **3** -Alignment point : for verticals assembly in alignment.

XU-Clip to secure firm connection of verticals while lifting up.



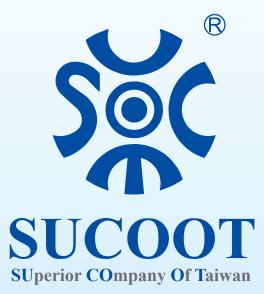
Specification

Item	Specification	Item	Specification
Vertical	Length:1.0m; 1.5m; 2.0m Pipe:Ø48.6 x T:2.5mm	Staircase + Handrail	W: 1.8m x H: 1.0m
Horizontal	Length:1.2m; 1.8m Pipe:Ø42.7 x T:2.3mm	Top Platform	W: 530mm x L: 1439mm
Diagonal	Length:1.2m x 2.0m; 1.8m x 2.0m Pipe:Ø42.7 x T:2.3mm	Level Diagonal	1.8m x 1.2m
Jack Base	Length:600mm Pipe:Ø38.5 x T:4.0mm	Stabilizer H>7.5m (Incl.)	Length:2.7m Pipe:Ø48.6 x T: 2.0mm
Caster	Wheel:8"	Toe Board	Length:1.2m; 1.8m Height:100mm
Deck	W: 400mm x L: 1200mm	Steel Plank	W: 265mm x L: 1800mm W: 550mm x L: 1800mm
Stabilizer Frame H<7.5m	L:0.92m	Jack Base	Pipe:Ø1-1/4" x 600mmL +HN-11B x 2
e	ight : H2.5m; H3.5m; H4.5m; H5.5r orizontal, Diagonal - STK500. Finis		H9.5m; H10.5m; H11.5m



9.3 Standard Equipment of Working Platform

	1+200	Canaifination	U.W	H 2.5m	H 3.5m	H 4.5m	H 5.5m	H 6.5m	H 7.5m	H 8.5m	H 9.5m	H 10.5m	H 11.5m
INO.			(kg)	Q'ty	Q'ty	Q'ty	Q'ty	Q'ty	Q'ty	Q'ty	Q'ty	Q'ty	Q'ty
1	Vertical	Ø 48.6 x T: 2.5mm 1.0m	4.43	0	4	0	4	0	4	0	4	0	4
2	Vertical	Ø 48.6 x T: 2.5mm 1.5m	6.31	4	4	4	4	4	4	4	4	4	4
3	Vertical	Ø 48.6 x T: 2.5mm 2.0m	8.11	4	4	8	8	12	12	16	16	20	20
3-1	U-Clip	Ø 9mm(For Ø 48.6mm)	0.12	4	8	8	12	12	16	16	20	20	24
4	Horizontal	Ø 42.7 x T: 2.3mm 1.2m	3.34	6	7	8	6	10	11	12	13	14	15
5	Horizontal	Ø 42.7 x T: 2.3mm 1.8m	4.78	10	12	14	16	18	20	22	24	26	28
9	Diagonal	Ø 42.7 x T: 2.3mm 1.2 x 2.0m	6.60	1	3	4	5	6	7	8	9	10	11
7	Diagonal	Ø 42.7 x T: 2.3mm 1.8 x 2.0m	7.26	2	4	4	6	6	8	8	10	10	12
8-1	Jack Base	Ø 38.5 x T: 4.0mm 600mmL	3.55	4	4	4	4	4	4	4	4	4	4
8-2		Caster WBrake (Mhile)(Ind.U-Clp) 8"(200mm) Height 240mm Zinc Plated	4.30	4	4	4	4	4	4	4	4	4	4
6	Deck	L: 1200 x W: 400mm Ø 48.6 x T:2.5 L:1.19m 1	14.20	3	4	5	6	7	8	6	10	11	12
10	Staircase	W: 1.8m x H: 1.0m	14.79	2	3	4	5	6	7	8	6	10	11
11	Handrail	Ø 1-1/4" x T:2.0mm	4.77	1	2	3	4	5	6	7	8	6	10
12	Top Platform	W: 530 x L: 1439mm	14.75	2	2	2	2	2	2	2	2	2	2
13	Level Diagonal	Ø 48.6 x T:2.0mm 1.8 x 1.2m	5.32			2	2	2	2	2	2	2	2
14-1	1 Stabilizer Frame H<7.5m L:0.92m		6.66	4	4	4	4	4					
	Jack Base	Ø 1-1/4" x 600mmL + HN-11B x 2	3.90	4	4	4	4	4					
14-2	14-2 Stabilizer H>7.5m(Incl.) Ø 48.6 x T:2.0mm		11.79						4	4	4	4	4
15	Toe Board	H:100mm W:10mm L: 1.2m	0.92	2	2	2	2	2	2	2	2	2	2
16	Toe Board	H:100mm W:10mm L: 1.8m	1.34	2	2	2	2	2	2	2	2	2	2
17		Height of Top Platform W. Jack Base Jack Base Height: 80-500mm		2.33-2.75m	3.33-3.75m	4.33-4.75m	5.33-5.75m	6.33-6.75m	7.33-7.75m	8.33-8.75m	9.33-9.75m	10.33-10.75m	11.33-11.75m
18	Height of Top Platform W/Caster	Caster Height:240mm		2.49m	3.49m	4.49m	$5.49 \mathrm{m}$	$6.49 \mathrm{m}$	7.49m	8.49m	$9.49 \mathrm{m}$	$10.49 \mathrm{m}$	11.49m
19	Total Height Incl. Guardrail	Guardrail Height: 1.0m		3.33-3.75m	4.33-4.75m	5.33-5.75m	6.33-6.75m	7.33-7.75m	8.33-8.75m	9.33-9.75m	10.33-10.75m	11.33-11.75m	12.33-12.75m
20	Total Weight W / Jack Base			314.53kg	407.11kg	485.73kg	571.71kg	639.69kg	730.59kg	798.57kg	884.55kg	952.53kg	1,038.51kg
21		Total Weight W / Caster(White) Above H7.5m(Incl.) Weight excluding item 14-		317.53kg	410.11kg	488.73kg	574.71kg	642.69kg	733.59kg	801.57kg	887.55kg	955.53kg	1,041.51kg
	1.Abo	1. Above list is based on indoor and		onary use	ese) ا.	of outdoo	or work or	. moving t	stationary use.In case of outdoor work or moving to other locations, special conditions	cations, (special co	onditions	
	ons)	(such as terrain, wind speed, vibration) have to be taken into consideration and additional elements or fixing may be required	ation) have to	be taken	into cons	sideration	and add	itional ele	ments or	fixing ma	y be requ	ired.
	2.Pers	2. Personnel over 1.8m height should watch out the deck overhead while getting in and out.	ld wa	tch out th	ne deck o	verhead v	while gett	ing in and	d out.				
	3.Toe	3.Toe Boards, Casters, U-Clips and		lges are	not incluc	Wedges are not included in 3-year warranty	ear warra	anty.					



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