

RAPID[®]



PRODUCT CATALOGUE

OVERVIEW OF RAPID

RAPID FORMWORK & SCAFFOLDING CO.,LTD.

Add:No.107 West Xigang Road, Xishan District, Wuxi City, Jiangsu Province, China

Tel: +86 510 83796833 Fax: +86 510 83795588

www.rapid-scaffold.com/en E-mail: sales@rapid-scaffold.com

RAPID FORMWORK & SCAFFOLDING CO.,LTD.



Rapid has 2 production bases in Wuxi and Tangshan, with a total area of about 80,000m² and a total annual production capacity of about 70,000T. We have 3 branches in Singapore, Malaysia, UAE. Rapid products are mainly sold to 89 countries including USA, Canada, Germany, UK, Singapore, Malaysia, Japan, Thailand, Australia and New Zealand.

Our Wuxi company has great location about 100km away from Shanghai Port, in which just 30 minutes away from Shanghai by train and one hour by car. Rapid Scaffolding takes pride in having a team of highly experienced and suitably qualified engineering and technical experts. According to different requests from our clients, we can provide a whole range of scaffolding and formwork designing. We provide one-stop service for any project.

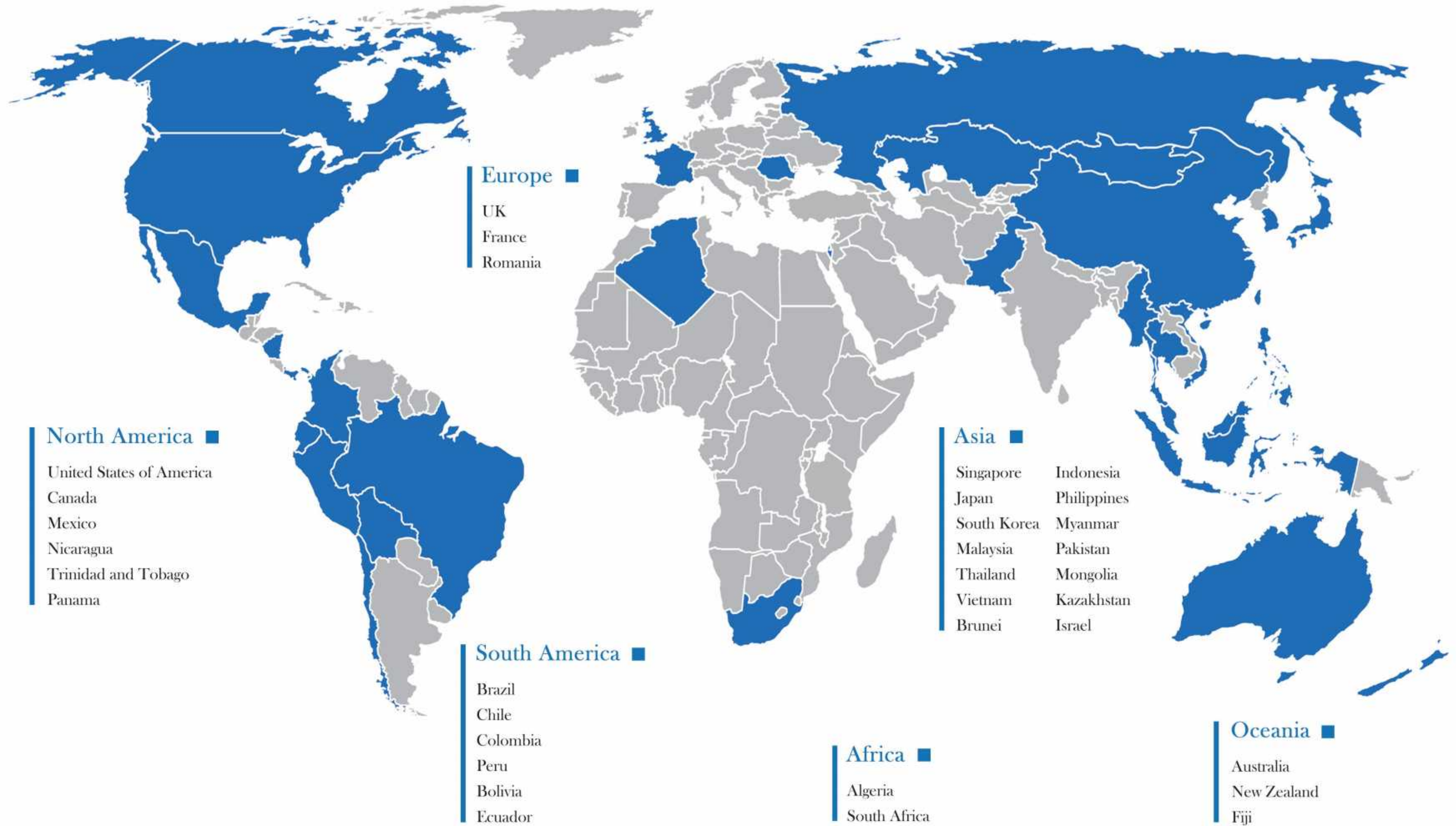
We have a highly experienced production team, which maintains top level of every stage of the production progress. Each team of workers is led by a supervisor who monitors daily works. Automated welding and robot welding systems are widely used. We develop new steel plank forming machine, which increases plank production capacity, about 1,000pcs per day. With experienced workers, advanced machines and good management, our capacity is about 50,000tons per year.

We have a complete quality control system, which guarantees the high quality of our products and assure all process is due to schedule. Rapid has obtained ISO9001, EN-1090, ISO14001, OHSAS18001 and our products have various certificates such as EN-12811, EN1004, AS/NZS1576.2, MS1462, JIS, CIDB etc.

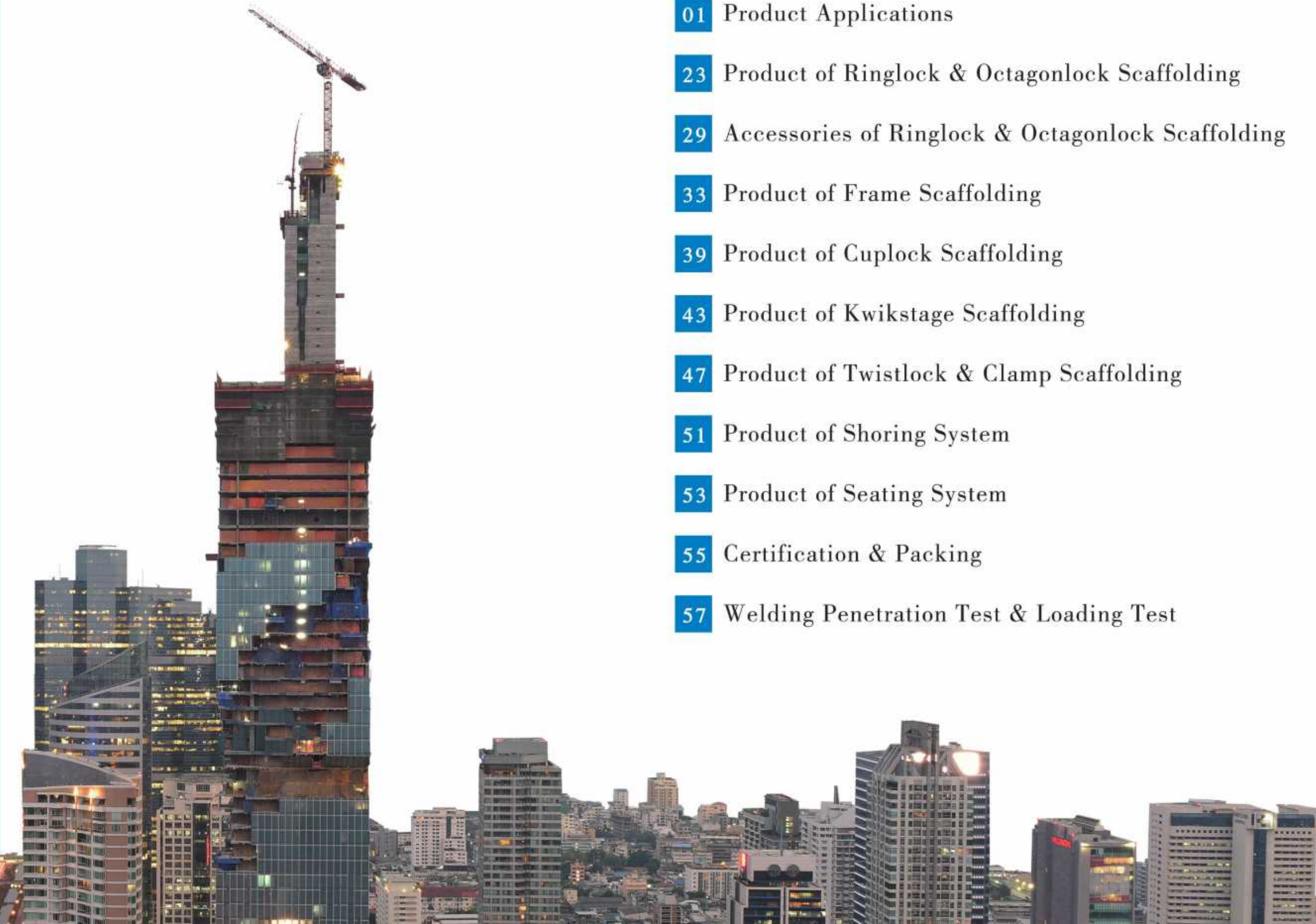
RAPID FORMWORK & SCAFFOLDING CO.,LTD.

Rapid Formwork & Scaffolding Co.,Ltd. is a leading company in scaffolding industry in China. Since its establishment in 2004, Rapid has grown to take on new challenges and its continued success comes from valuing its clients and employees and a commitment to service, performance and quality. We are not only the expert in designing and manufacturing all kinds of steel scaffoldings and formwork system, but also we devote to being an expert in developing aluminum scaffoldings. Our main products include Ringlock (Allround), Octagonlock, Cuplock, Kwikstage, Haky, Frames, Props, etc.





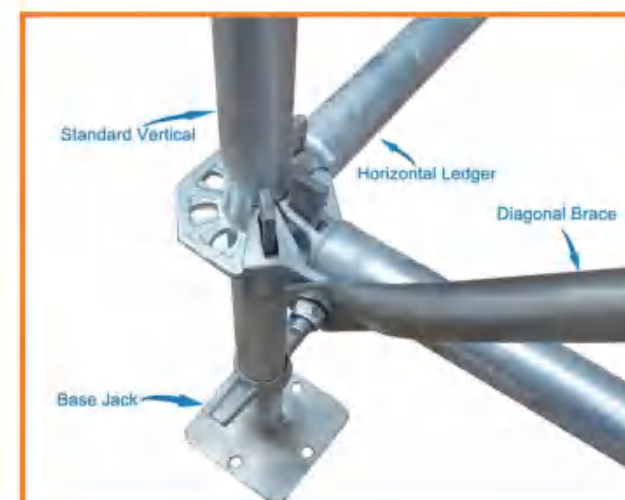
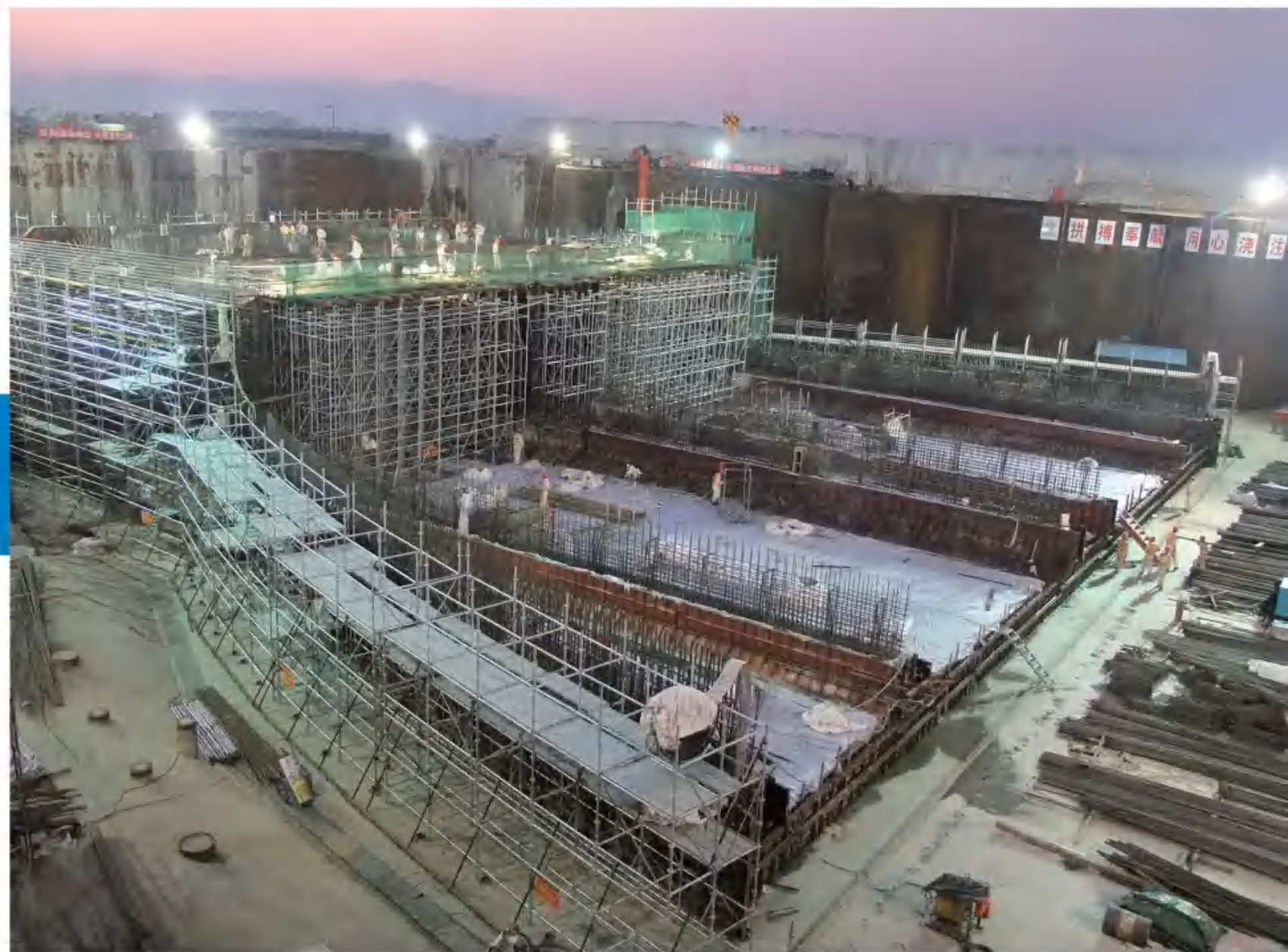
CONTENT

- 
- 01 Product Applications
 - 23 Product of Ringlock & Octagonlock Scaffolding
 - 29 Accessories of Ringlock & Octagonlock Scaffolding
 - 33 Product of Frame Scaffolding
 - 39 Product of Cuplock Scaffolding
 - 43 Product of Kwikstage Scaffolding
 - 47 Product of Twistlock & Clamp Scaffolding
 - 51 Product of Shoring System
 - 53 Product of Seating System
 - 55 Certification & Packing
 - 57 Welding Penetration Test & Loading Test



Island & Tunnel project of HongKong-Zhuhai-Macao Bridge

- The Hong Kong-Zhuhai-Macao Bridge project consisted of a series of bridges, tunnels and artificial islands that will connect Hong Kong, Macau and Zhuhai. This great bridge has come into service in 2018.
- Our designed system scaffolding and formwork are honored to be used on one of the main islands – West Artificial Island for the shoring system of roof slab and wall panel in the buried section, with the advantage of erection & dismantling easily and high safety factor etc., obtained the high praise from customer.



Main features of Octagonlock System

Quick erection: The parts are all pre-measured and just a hammer is needed when erection.

Safety: The reliable wedge connections prevent ledgers and diagonal braces from any kind of loosening.

Save labor: The efficiency of erecting and dismantling is at least 4 times of tube & coupler, and 2 times of cuplock.

Long service life: Due to its sturdy raw material, sound workmanship and hot-dipped galvanized finish.

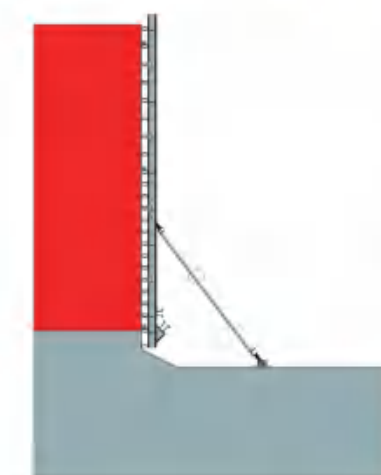
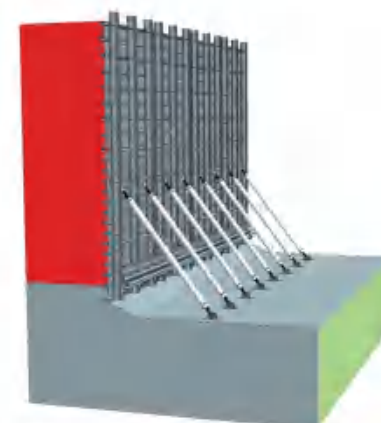
Runyang Tunnel Rapid Transformation, Yangzhou

Runyang Tunnel Rapid Transformation Project is an open-cut vertical excavation of urban roads. In order to solve the underground waterproof requirements of urban tunnels, the waterproof requirement of the side wall structure is high.



In order to solve the tunnel formwork shoring system better, we adopt a sliding side wall formwork & truss combined with ring lock shoring system. The main structure of the tunnel adopts 15mm thickness rinsing plywood formwork, and the side wall adopts 2440mm × 5600mm steel-wood frame. Large steel formwork of the side wall adopts the truss support. When the formwork is moved, the hand-pulled parts are used to move the formwork to the next section.

Midas finite element analysis software is used to carry out finite element mechanical analysis of steel formwork and truss support. At the same time, UG three-dimensional model software is used to carry out the whole-process tracking design of the structural and the emulational prearrangement of the scaffolding. This better and more efficient construction scheme, greatly shortens the construction period, reduces 60% input of material quantity, so as to promote the development of the tunnel shoring formwork system in China.





Main component size: roof thickness is 800mm, top longitudinal beam is 800mm × 1800 mm, 900mm × 1700 (1800) mm, 1000mm × 1800 mm; The thickness of the plate is 400mm, and the longitudinal beam is 900mm × 800mm; The headroom of the negative layer is 6.28m, and the headroom of the negative two-story layer is 4.85m.

The construction sequence of the main structure is the same as the direction of the excavation of the foundation pit (from west to east), and the construction is divided into 7 sections from west to east. The construction sequence is as follows: The first step is to construct the base cushion, bottom plate and side wall (0.6m); The second step is to construct the side wall of the platform floor to the height of 4.7m; The third step is to construct the plate and side wall; The fourth step is to construct the side wall of the station hall floor to 4.4m high; The fifth step is to construct the side wall of the hall floor and the roof.

Metro Project, Nanjing

The metro station is designed as a platform with two floors underground and two cross-island platforms. The width of platform is 11m. The first floor underground is the hall floor, and the second floor underground is the platform floor. The total length of the station is 189.4m, with 4 entrances and 2 sets of air ducts.

The main structure of the station adopts open-cut construction method, and adopts underground two-storey and two-span box structure. The depth of the foundation pit is 15.362 ~ 18.662m, and the main enclosure structure of the station is constructed by underground continuous wall.



Aktogay Copper Mine, Kazakhstan



- The Aktogay Copper Mine Project in Kazakhstan with EPC of NFC from China was constructed by the biggest Kazakhstan local copper company, contract of this project was signed by the premiers from the both countries.
- Rapid Scaffold was used in two of the cylinder shape buildings, one with the diameter of 28m, hight of 30m, another one diamter of 60m, and hight of 32m. The system scaffolding was applied to both exterior and interior wall decoration scaffold work, which makes the construction work easier and more convenient.

Rapid Scaffolding takes pride in having a team of highly experienced and suitably qualified engineering and technical experts. According to different requests from our clients, we can provide a whole range of scaffolding and formwork design-ing. We provide one-stop service for any project.



Tomorrowland Of The Disneyland Park, Shanghai

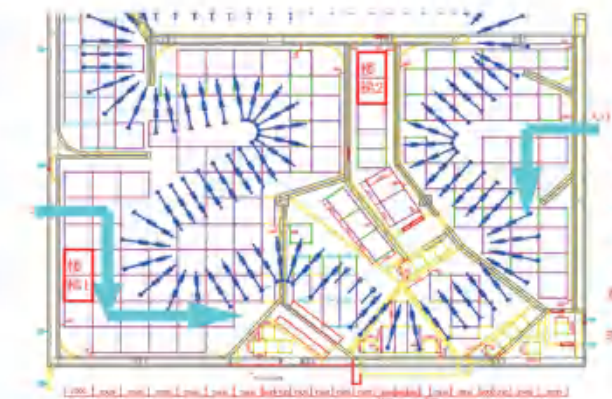
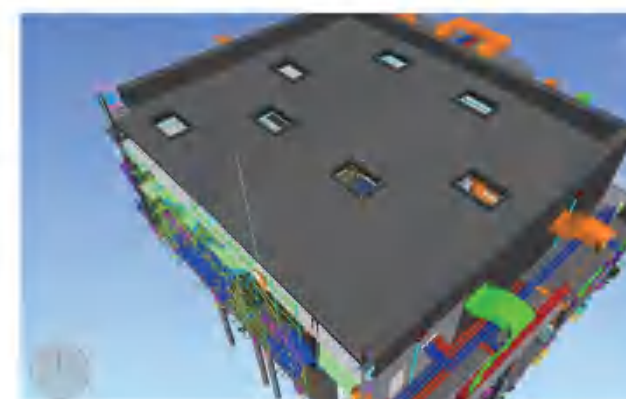
Tomorrowland project of the Shanghai Disneyland is located in the southwest corner of the park. In order to complete within the scheduled construction period, the internal partition wall was intended to be constructed at the same time during the MEP installation. Thus, we adopt our ringlock scaffolding. The scaffolding needs to provide an operation platform with an elevation of 9m, together with a birdleway and an operation platform around it. A 30cm operational space is required between the partition wall and the inner wall. As stairs, bridge-way, and amusement tracks have already been finished, we have to avoid these facilities. The dimension of this project is 9500m³, and the construction period is expected to be 15 days.

We used our type B ring lock scaffolding for this project, together with our steel planks, steel stairs and steel toeboards. The spacing between the standard is 2m × 2m, and the vertical spacing is 1.5m. The special steel planks are laid on the working area as the operating platform.



The main problems solved by us are as follows

- Providing a 9-meter-high construction operation platform for the spraying work of roof and the installation of MEP. Steel planks are placed over the place where the horizontal bar arrangement is relatively regular.
- The steel beam around needs to be sprayed, so there needs to be a working space around the area. Thus working space around is covered with steel planks.
- Providing proper space between the internal partition and the construction platform. The construction of the partition wall is divided into two working procedures, which are installation and painting. Installation requires a relatively large space between the construction platform and the internal partition, while painting needs to get the construction platform as closer to the internal partition as possible. In this area, there is a large gap between the original scaffolding and the wall. So after we finish loading the steel planks, we use steel pipe & coupler for supplement (see the wall frame drawing).
- Providing working surface for the spraying work of steel column in this area. The design didn't include the operating surface of steel column specifically. Thus, we have to use our scaffold as the main bearing structure. And later, we set up the operating surface with steel pipe, coupler and wooden plank on the scaffold.
- Two staircases with access on the ground floor are provided.





- The total length of Puyi Highway West Section Project is 11.43 km. The total length of Puyi Highway West Section C2 Project is 2418.4m, in which 45 cast-in-place box girders are connected, and the construction period is 26 months.

PuYi Highway, Nanjing

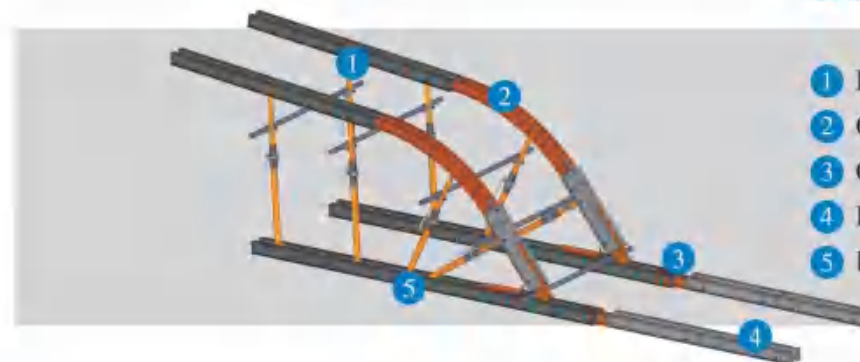
- Project difficulties: The maximum cross-section height of the main bridge box girder is 3m, the maximum span of the box girder is 50m and the longitudinal section is arched; The maximum height of the bracket is 14.5m; The scaffolding for the cast-in-place box girder needs to cross many roads and the rivers.
- Our solution: According to the cross-sectional area of the box girder, we increase the quantity of the standards in installation. In order to ensure the overall stability of the scaffold, couplers are used to reinforce the joints gap of the scaffold every 2 steps. Steel platform is set up in areas across rivers and roads, and the scaffold is erected on the steel platform to support it.



In order to meet the radian size of the chamfer of the flange slab, special components are customized to form a complete set of system for shoring the outside of the angle web and the flange slab with double C steel, so that we realize the overall lifting and save a lot of labor.

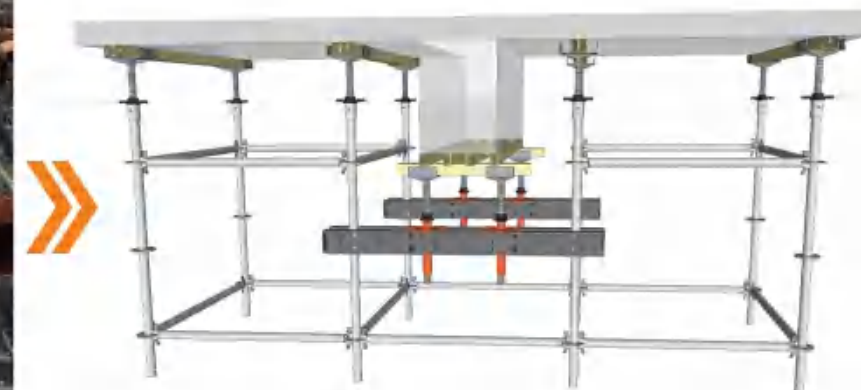


Box girder bridge shoring system



- ① Double C steel, main frame of the flange slab
- ② Custom component, main frame of the flange slab chamfer
- ③ Connecting box, connecting double C steel
- ④ Double C steel, main frame of the box girder baseplate
- ⑤ Double C steel, flange slab support platform





Common shoring of the beam and slab

Putting the double C steel frame on the standard of the Octagonlock scaffolding as a transition platform supported beam, then set the convert base to transfer the load to the double C steel beam, so that we can decrease the using amount of the scaffolding, improve the overall stability of the scaffolding, improve the efficiency of erecting work, make full use of the advantages of the high bearing capacity of our scaffolding and finally achieve the economic benefit of saving material usage and labor cost.

Huaji Machinery Manufacturing Factory, Wuxi

The factory is in Wuxi, Jiangsu. The factory is divided into two areas, production workshop and office building. The height of the first floor of the production workshop is 10.95m. Elevation of the overhanging eaves of the office building is 16.5m.

The height of the formwork support system for the horizontal concrete members in these two areas has exceeded 8m, which is recognised as a dangerous project according to CN standard. The first floor of the production workshop is 10.95m, the second floor is 16.5m and the roof of the production workshop is 19.6m. The first floor of the office building is 4.15m, the second floor is 7.55m, the third floor is 10.95m and the fourth floor is 16.5m. In the plant area, the construction of concrete beams and formwork adopts the ringlock system as the formwork support.



Construction difficulties

The overhangs of this project is high and the construction period is tight. In order to meet these requirements, we make the spacing of the standards to be 1.2m × 1.5m and adjust the spacing of diagonal brace.

Construction highlights: By using larger standard spacing and a proper shoring design, we successfully improve the speed of installation and reduce the cost of the project.



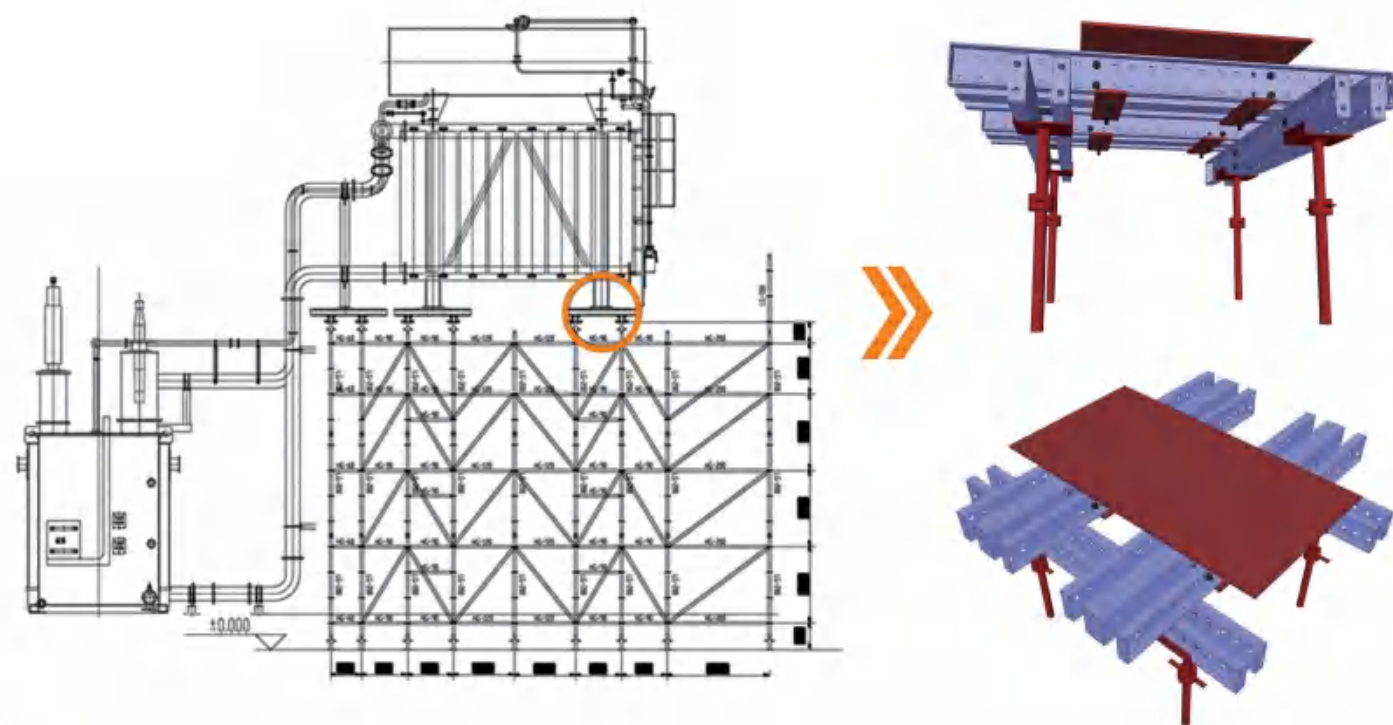
Load-Bearing Platform Of XD Transformer Company, Changzhou

Changzhou Xidian Transformer Co., Ltd. was founded in 1958, the company is located in Changzhou, with advanced large-scale transformer manufacturing equipment, coil and transformer assembly lines.

The erection project is in the test hall, which is a temporary load-bearing platform for setting up the supporting cooler when the transformer is tested. The equipment weight is 90 tons.

Construction difficulties: Large load and high precision. The weight of the single equipment is 90 tons, but there are only 6 supporting points, so the single supporting point's load must reach 15 tons.

Construction highlights: The project adopts the Ringlock allround scaffolding as the supporting platform, which makes the secondary utilization rate of the shoring platform of the whole project reach 100%. At the same time, the quick erection and dismantlement of our scaffolding shorten the whole project cycle to 50% of the original plan, eliminating the design, production and assembly process of the section steel platform.





Wuyue Plaza, Suzhou

Wuyue plaza is located in Suzhou City, with a total construction area of 241,050m². There are 7 floors above ground and 3 floors underground, with a total building height of 40m.

The roof adopts drum joint steel grid, with a total area of more than 8,000 square meters, which is the largest drum joint steel roof grid in China.

Construction difficulties: The large grid area is 8000m²; All the rods of the grid need to be assembled by in-situ welding in the air; It is located on the sixth floor, without large mechanical equipment.

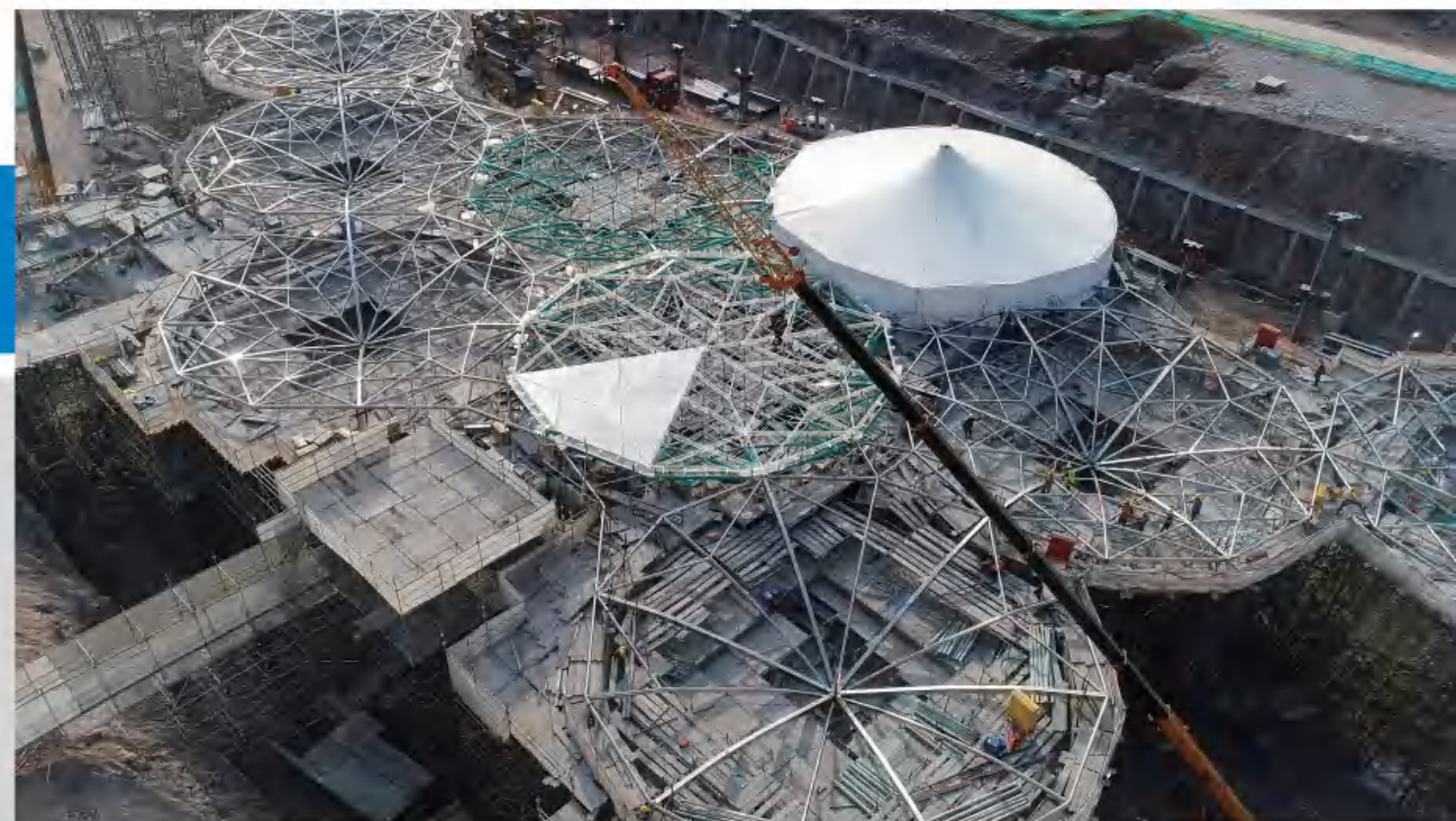
Construction Highlights: According to the construction load, construction process and site conditions, we ensure the full ringlock scaffolding in this project is completely feasible, we make the spacing of the standards to be 2 m x 2 m, using steel planks as the working face and isolation, using the adjustable U-head screw jack at the top of the standard to support the steel space grid.



The Transparent Dome—Scenic Spot "Future Garden", Nanjing

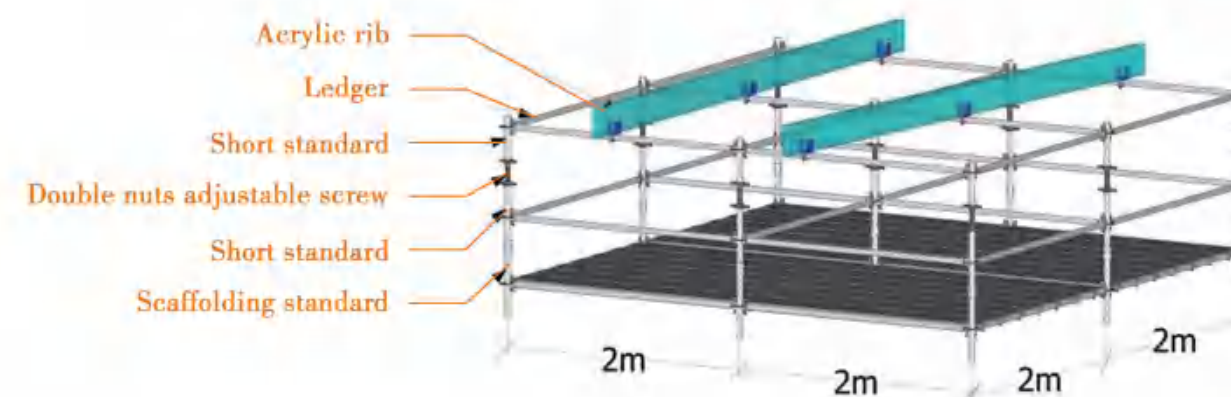
This scenic spot is located in Nanjing City. The total construction area is 100,200 square meters, which is divided into two parts: above ground and underground. The internal buildings and facilities reveal in the future the feeling and the technical feeling. At the lower level of the scenic spot, a future garden of 15,000 m^2 is planned. The roof of the garden is supported by 42 stainless steel umbrella trees with acrylic panels as surfaces, and this design is the first of its kind in the world.

The construction site of the future garden is located in a pit, the landscape is complex. And the structure supported by stainless steel umbrella tree is uneven, making the construction very difficult. Finally, the real estate owner chose our company in order to meet the safety requirement, technology support, limited construction period and a better budget of the construction.



Scheme resolution

According to the advantages of high bearing capacity of our scaffold and the establishment of a model for force checking, our technical staff optimized the final scheme by using 2.0m × 2.0m spacing for the vertical standard and using one diagonal brace only for every two spacing. After that, we designed a double nut adjustable screw, which is erected on the top of the scaffolding standard and used to adjust the top horizontal ledger. This scheme is very efficient, helping to save a lot of erection time and saving a lot of cost.



Xinglong Cultural Park, Yanzhou

This project is in Yanzhou, China.

Construction difficulties: Being very high in height. The main structure comes with a height of 70m. Being very complicated in shape. The structure is in a round shape with a large bottom and a narrow top. Being on a unstable base. The structure is on the roof top of the base building that with low bearing capacity.



Construction highlights: According to all these special requirements, we choose our Octagonlock allround scaffolding system as the main material for the project. Due to the installation on the roof, the spacing between the standard is optimized to $2\text{m} \times 2\text{m}$ in order to reduce the self-weight of the scaffold. As the building is round in shape, the scaffold around the building is set up as an octagon using the special characteristics of octagonal rosette. It improves the overall stability and lateral stiffness of the scaffolding compared to other scaffolding systems.

Ringlock Standard**FINISH: Hot-dip Galvanized**

ITEM NO.	MATERIAL	L	WEIGHT APPROX.
RSRS 050	Q355 48.3 × 3.2mm	0.5m	3.09kg
RSRS 100	Q355 48.3 × 3.2mm	1.0m	5.52kg
RSRS 150	Q355 48.3 × 3.2mm	1.5m	7.95kg
RSRS 200	Q355 48.3 × 3.2mm	2.0m	10.38kg
RSRS 250	Q355 48.3 × 3.2mm	2.5m	12.80kg
RSRS 300	Q355 48.3 × 3.2mm	3.0m	15.23kg

Ringlock Ledger**FINISH: Hot-dip Galvanized**

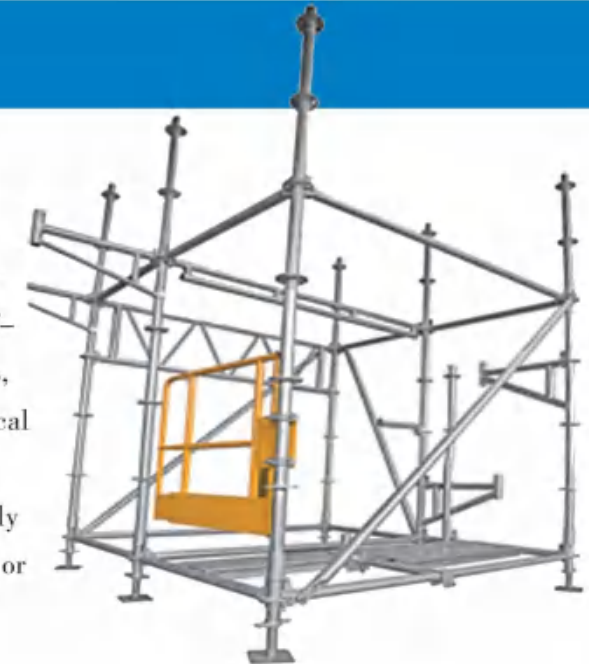
ITEM NO.	MATERIAL	L	WEIGHT APPROX.
RSRL 073	Q355 48.3 × 3.2mm	0.73m	3.42kg
RSRL 104	Q355 48.3 × 3.2mm	1.04m	4.61kg
RSRL 109	Q355 48.3 × 3.2mm	1.09m	4.80kg
RSRL 140	Q355 48.3 × 3.2mm	1.40m	5.98kg
RSRL 157	Q355 48.3 × 3.2mm	1.57m	6.62kg
RSRL 207	Q355 48.3 × 3.2mm	2.07m	8.53kg
RSRL 257	Q355 48.3 × 3.2mm	2.57m	10.44kg
RSRL 307	Q355 48.3 × 3.2mm	3.07m	12.34kg

Ringlock Scaffolding

Quick erection: All Ringlock scaffolds are pre-measured and just a hammer is required when erection.

Versatility: The revolutionary node point-rosette provides up to 8 connections in one plane, allowing the system scaffolding highly adaptable for straight and curved structures, such as ship yards, power generation stations, petrochemical plants.

Low maintenance: The hot dip galvanized finish will greatly extend life of the product, no paint required, no more rust or corrosion, even they can be stored externally.

**Ringlock Diagonal Brace****FINISH: Hot-dip Galvanized**

ITEM NO.	MATERIAL	W × H	WEIGHT APPROX.
RSRB 2120	Q235 48.3 × 2.5mm	0.73 × 2m	8.09kg
RSRB 2230	Q235 48.3 × 2.5mm	1.04 × 2m	8.40kg
RSRB 2250	Q235 48.3 × 2.5mm	1.09 × 2m	8.47kg
RSRB 2400	Q235 48.3 × 2.5mm	1.40 × 2m	8.91kg
RSRB 2490	Q235 48.3 × 2.5mm	1.57 × 2m	9.20kg
RSRB 2810	Q235 48.3 × 2.5mm	2.07 × 2m	10.16kg
RSRB 3180	Q235 48.3 × 2.5mm	2.57 × 2m	11.28kg
RSRB 3580	Q235 48.3 × 2.5mm	3.07 × 2m	12.49kg

Bridge Ledger**FINISH: Hot-dip Galvanized**

ITEM NO.	MATERIAL	L
RSBL 157	Q235	1.57m
RSBL 207	Q235	2.07m
RSBL 257	Q235	2.57m
RSBL 307	Q235	3.07m

ITEM NO.	MATERIAL	L
RSRBB 036	Q235	0.36m
RSRBB 039	Q235	0.39m
RSRBB 073	Q235	0.73m
RSRBB 109	Q235	1.09m

Ringlock Board Bracket**FINISH: Hot-dip Galvanized****Lattice Girder****FINISH: Hot-dip Galvanized**

ITEM NO.	MATERIAL	L
RSLG 207	Q235	2.07m
RSLG 257	Q235	2.57m
RSLG 307	Q235	3.07m
RSLG 414	Q235	4.14m
RSLG 514	Q235	5.14m
RSLG 614	Q235	6.14m

Octagonlock Scaffolding

Octagonlock system—our patent product. It is a modular system scaffold which can provide major savings in labor costs while meet the requirement of safety, easy handling and reduction in maintenance. It is also suitable for many types of structure and project conditions. It can extend in 8 directions and is more stable. The efficiency of erecting and dismantling of Octagonlock is at least 4 times of tube & coupler, and 2 times of cuplock.

Octagonlock Standard [Light duty]**FINISH: Hot-dip Galvanized**

ITEM NO.	MATERIAL	L	WEIGHT APPROX.
RSOS 050	Q355 48.3 × 3.2mm	0.5m	3.07kg
RSOS 100	Q355 48.3 × 3.2mm	1.0m	5.54kg
RSOS 150	Q355 48.3 × 3.2mm	1.5m	8.01kg
RSOS 200	Q355 48.3 × 3.2mm	2.0m	10.48kg
RSOS 250	Q355 48.3 × 3.2mm	2.5m	12.95kg
RSOS 300	Q355 48.3 × 3.2mm	3.0m	15.42kg

[Heavy duty] FINISH: Hot-dip Galvanized

ITEM NO.	MATERIAL	L	WEIGHT APPROX.
RSHS 050	Q355 60.3 × 3.2mm	0.5m	3.84kg
RSHS 100	Q355 60.3 × 3.2mm	1.0m	6.91kg
RSHS 150	Q355 60.3 × 3.2mm	1.5m	9.99kg
RSHS 200	Q355 60.3 × 3.2mm	2.0m	13.18kg
RSHS 250	Q355 60.3 × 3.2mm	2.5m	16.29kg
RSHS 300	Q355 60.3 × 3.2mm	3.0m	19.21kg

Octagonlock Ledger**FINISH: Hot-dip Galvanized**

ITEM NO.	MATERIAL	L	WEIGHT APPROX.
RSOL 060	Q235 48.3 × 2.5mm	0.60m	2.31kg
RSOL 090	Q235 48.3 × 2.5mm	0.90m	3.22kg
RSOL 120	Q235 48.3 × 2.5mm	1.20m	4.12kg
RSOL 150	Q235 48.3 × 2.5mm	1.50m	5.03kg
RSOL 180	Q235 48.3 × 2.5mm	1.80m	5.94kg
RSOL 200	Q235 48.3 × 2.5mm	2.00m	6.54kg
RSOL 240	Q235 48.3 × 2.5mm	2.40m	7.75kg

Octagonlock Diagonal Brace**FINISH: Hot-dip Galvanized**

ITEM NO.	MATERIAL	W × H	WEIGHT APPROX.
RSOB 2088	Q235 33 × 2.4mm	0.60 × 2.0m	4.84kg
RSOB 2193	Q235 33 × 2.4mm	0.90 × 2.0m	5.00kg
RSOB 2332	Q235 33 × 2.4mm	1.20 × 2.0m	5.23kg
RSOB 2500	Q235 33 × 2.4mm	1.50 × 2.0m	5.52kg
RSOB 2691	Q235 33 × 2.4mm	1.80 × 2.0m	5.86kg
RSOB 2828	Q235 33 × 2.4mm	2.00 × 2.0m	6.11kg
RSOB 2828	Q235 33 × 2.4mm	2.40 × 2.0m	6.66kg

Octagonlock Board Bracket**FINISH: Hot-dip Galvanized**

ITEM NO.	MATERIAL	L
RSOBB 030	Q235	0.36m
RSOBB 060	Q235	0.60m
RSOBB 090	Q235	0.90m

The material grade Q355 (GB standard) means the yield strength is ≥ 355 Mpa, the tensile strength is between 450 Mpa to 630 Mpa, which is very close to STK500 (JIS standard) or S355 (EN standard).

The material grade Q235 (GB standard) means the yield strength is ≥ 235 Mpa, the tensile strength is between 370 Mpa to 500 Mpa, which is very close to STK400 (JIS standard) or S235 (EN standard).

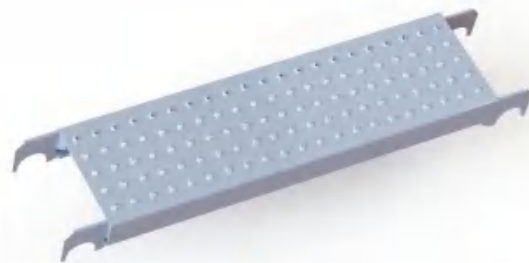
Accessories

Aluminum Robust Hatch-type



ITEM NO.	L	W	MATERIAL
RSRH 157	1.57m	0.61/0.62m	Aluminum & Plywood
RSRH 207	2.07m	0.61/0.62m	Aluminum & Plywood
RSRH 257	2.57m	0.61/0.62m	Aluminum & Plywood
RSRH 307	3.07m	0.61/0.62m	Aluminum & Plywood

228 Steel Plank FINISH: Hot-dip Galvanized



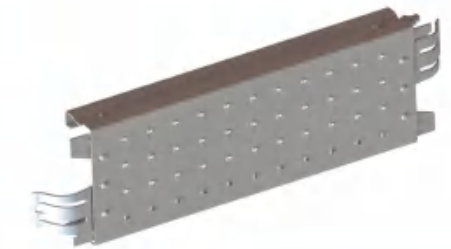
ITEM NO.	L	W	WEIGHT APPROX.
RSSSP 073	0.73m	0.2286m	5.63kg
RSSSP 104	1.04m	0.2286m	7.55kg
RSSSP 109	1.09m	0.2286m	7.86kg
RSSSP 140	1.40m	0.2286m	9.78kg
RSSSP 157	1.57m	0.2286m	10.83kg
RSSSP 207	2.07m	0.2286m	13.93kg
RSSSP 257	2.57m	0.2286m	17.03kg
RSSSP 307	3.07m	0.2286m	20.12kg

320 Steel Plank FINISH: Hot-dip Galvanized



ITEM NO.	L	W	WEIGHT APPROX.
RSDWP 073	0.73m	0.32m	8.37kg
RSDWP 104	1.04m	0.32m	10.62kg
RSDWP 109	1.09m	0.32m	10.98kg
RSDWP 140	1.40m	0.32m	13.23kg
RSDWP 157	1.57m	0.32m	14.46kg
RSDWP 207	2.07m	0.32m	18.09kg
RSDWP 257	2.57m	0.32m	21.71kg
RSDWP 307	3.07m	0.32m	25.33kg

241 Steel Plank FINISH: Hot-dip Galvanized



ITEM NO.	L	W	WEIGHT APPROX.
RSDEP 073	0.73m	0.241m	5.85kg
RSDEP 104	1.04m	0.241m	7.60kg
RSDEP 109	1.09m	0.241m	7.88kg
RSDEP 140	1.40m	0.241m	9.62kg
RSDEP 157	1.57m	0.241m	10.58kg
RSDEP 207	2.07m	0.241m	13.39kg
RSDEP 257	2.57m	0.241m	16.20kg
RSDEP 307	3.07m	0.241m	19.01kg

Other Accessories



Ringlock Base Collar



End and Coupler



Double Ends



Head Screw Jack



U-head Screw Jack



Base Jack



Swivel Base Jack



Caster



Ladder



Ladder Bracket

Other Accessories



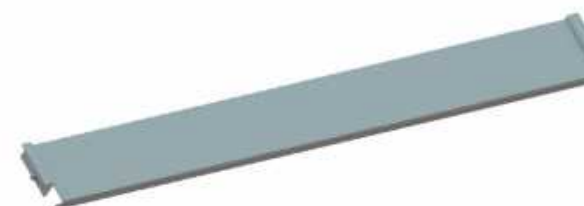
Steel Stair



Oblique Ladder



Mountable Ladder



Toeboard



Gap cover



Wall Tie

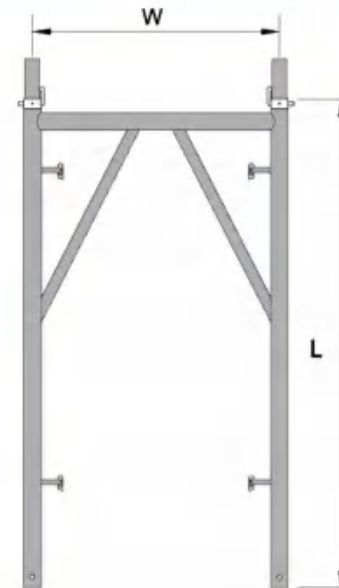


Safety Gate

Frame Scaffolding

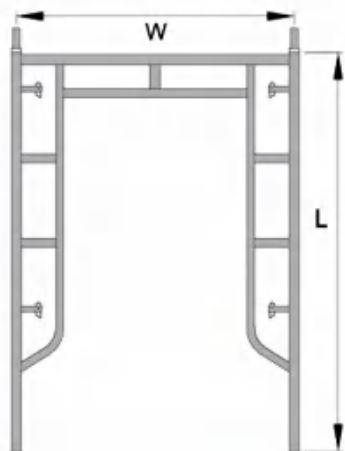
Japanese Frame Scaffolding FINISH: Hot-dip Galvanized

ITEM NO.	W	H
RSJF 01	0.41m	1.7m
RSJF 02	0.61m	1.7m



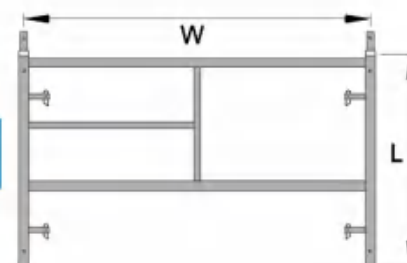
Japanese Frame Scaffolding FINISH: Hot-dip Galvanized

ITEM NO.	W	H
RSJF 03	1.219m	1.524m
RSJF 04	1.219m	1.700m
RSJF 05	1.219m	1.930m



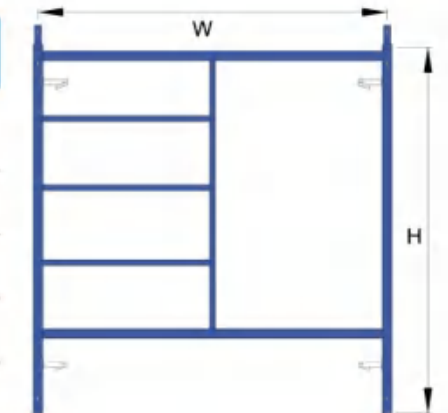
Japanese Frame Scaffolding FINISH: Hot-dip Galvanized

ITEM NO.	W	H
RSJF 06	1.219m	0.914m
RSJF 07	1.219m	1.219m



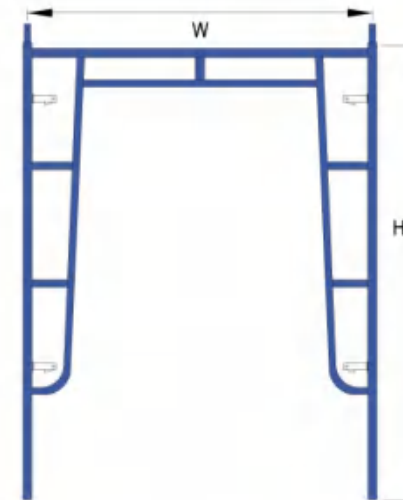
American Mason Frame/Step Frame FINISH: Powder Coated

ITEM NO.	W	H
RSF 01	4'(1.219m)	5'(1.524m)
RSF 02	5'(1.524m)	3'(0.914m)
RSF 03	5'(1.524m)	4'(1.219m)
RSF 04	5'(1.524m)	5'(1.524m)
RSF 05	5'(1.524m)	6'4"(1.930m)



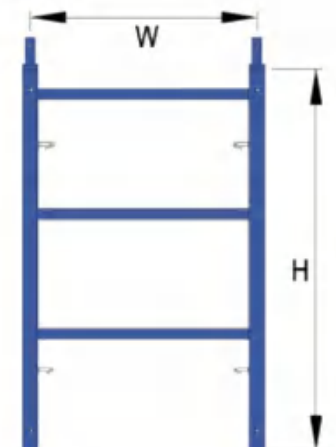
American Walk Through Frame FINISH: Powder Coated

ITEM NO.	W	H
RSF 06	4'(1.219m)	5'7"(1.700m)
RSF 07	4'(1.219m)	6'4"(1.930m)
RSF 08	5'(1.524m)	4'(1.219m)
RSF 09	5'(1.524m)	6'4"(1.930m)
RSF 10	5'(1.524m)	6'7"(2.007m)



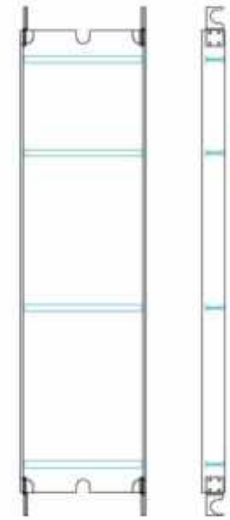
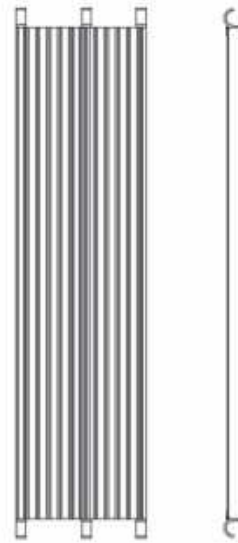
American Ladder Frame FINISH: Powder Coated

ITEM NO.	W	H
RSF 11	2'(0.609m)	5'(1.524m)
RSF 12	2'(0.609m)	6'4"(1.930m)
RSF 13	3'(0.914m)	4'(1.219m)
RSF 14	3'(0.914m)	5'(1.524m)
RSF 15	3'(0.914m)	6'(1.828m)



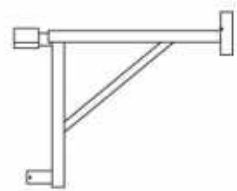
Aluminum Board With Hook

ITEM NO.	W	H
RSFA 01	19"(0.482m)	7'(2.133m)
RSFA 02	19"(0.482m)	8'(2.438m)
RSFA 03	19"(0.482m)	9'(2.743m)
RSFA 04	19"(0.482m)	10'(3.048m)



Aluminum Board With Plywood

ITEM NO.	W	H
RSFWP 01	19"(0.482m)	8'(2.438m)
RSFWP 02	19"(0.482m)	9'(2.743m)
RSFWP 03	19"(0.482m)	10'(3.048m)



Side Bracket



Guard Rail Post



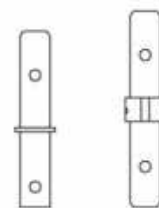
Cross Brace



Base Screw Jack



Caster



Coupling Pin

Other Accessories



Rivet Pin



Gravity Pin



Span Pin



Spring Pin



Pig Tail Pin



Flip Lock



Drop Lock



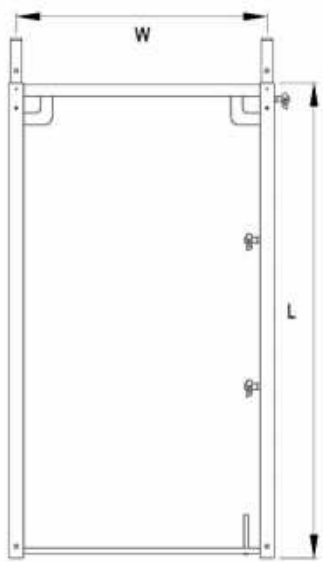
Fast Lock



C-Lock

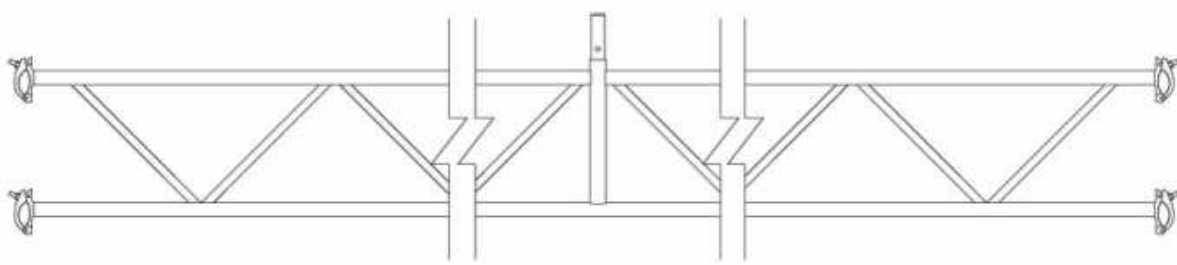


V-Lock

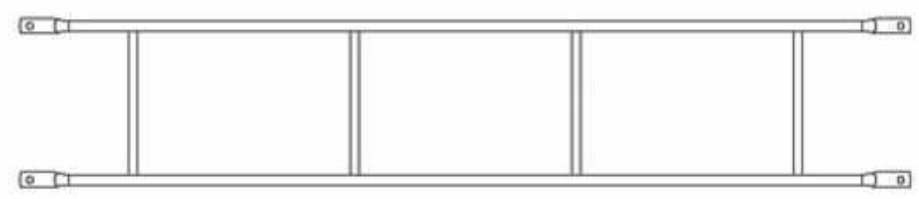


Euro Assembly Frame
FINISH: Hot-dip Galvanized

ITEM NO.	W	H
RSEF 01	2'5"(0.73m)	3'3"(1.00m)
RSEF 02	2'5"(0.73m)	6'7"(2.00m)

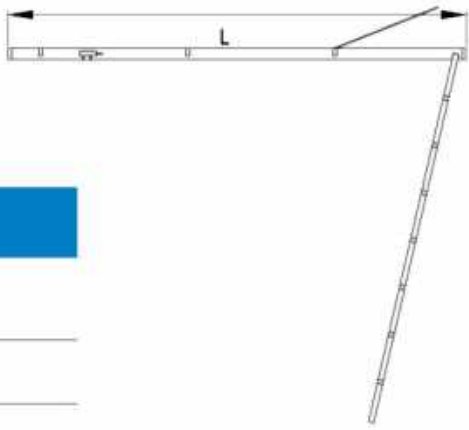


Transom

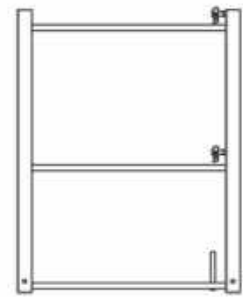


Double Front Guard Rail

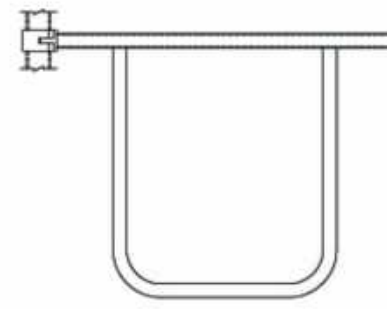
Aluminium Robust Hatch-type
FINISH: Plywood & Aluminum



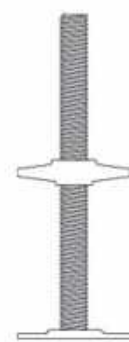
ITEM NO.	W	L
RSRH 01	0.61m	2.57m
RSRH 02	0.61m	3.07m



Euro End Guard Rail Support



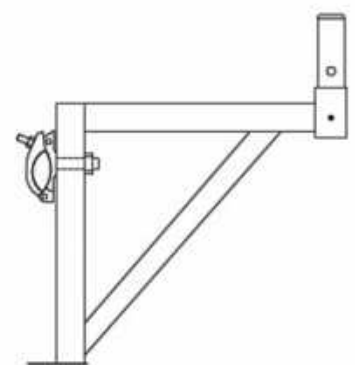
Double Guard Rail



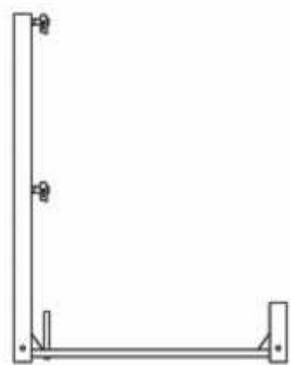
Base Screw Jack



Steel Plank



Bracket



Guard Rail Support

Cuplock Scaffolding

Cuplock Standard

FINISH: Hot-dip Galvanized / Powder Coated



ITEM NO.	MATERIAL	L	WEIGHT APPROX.
RSCS 050	Q355 48.3 × 3.2mm	0.50m	3.56kg
RSCS 100	Q355 48.3 × 3.2mm	1.00m	6.22kg
RSCS 150	Q355 48.3 × 3.2mm	1.50m	8.87kg
RSCS 200	Q355 48.3 × 3.2mm	2.00m	11.52kg
RSCS 250	Q355 48.3 × 3.2mm	2.50m	14.17kg
RSCS 300	Q355 48.3 × 3.2mm	3.00m	16.83kg

Cuplock Diagonal Brace

**FINISH: Hot-dip Galvanized
Powder Coated**



ITEM NO.	MATERIAL	L	WEIGHT APPROX.
RSCB 2342	Q235 48.3 × 2.5mm	1.219(4') × 2.0m	8.17kg
RSCB 2514	Q235 48.3 × 2.5mm	1.524(5') × 2.0m	8.84kg
RSCB 2693	Q235 48.3 × 2.5mm	1.803(5'11") × 2.0m	9.39kg
RSCB 2924	Q235 48.3 × 2.5mm	2.133(7') × 2.0m	10.09kg
RSCB 3153	Q235 48.3 × 2.5mm	2.438(8') × 2.0m	10.79kg
RSCB 3193	Q235 48.3 × 2.5mm	2.489(5'2") × 2.0m	10.91kg
RSCB 3394	Q235 48.3 × 2.5mm	2.743(9') × 2.0m	11.53kg
RSCB 3645	Q235 48.3 × 2.5mm	3.048(10') × 2.0m	12.30kg

Cuplock Ledger

FINISH: Hot-dip Galvanized / Powder Coated



ITEM NO.	MATERIAL	L	WEIGHT APPROX.
RSCL 27	Q355 48.3 × 3.2mm	2'7"(0.787m)	3.28kg
RSCL 30	Q355 48.3 × 3.2mm	3'(0.914m)	3.77kg
RSCL 36	Q355 48.3 × 3.2mm	3'6"(1.066m)	4.35kg
RSCL 40	Q355 48.3 × 3.2mm	4'(1.219m)	4.93kg
RSCL 50	Q355 48.3 × 3.2mm	5'(1.524m)	6.09kg
RSCL 60	Q355 48.3 × 3.2mm	6'(1.828m)	7.26kg
RSCL 70	Q355 48.3 × 3.2mm	7'(2.133m)	8.40kg
RSCL 80	Q355 48.3 × 3.2mm	8'(2.438m)	9.54kg
RSCL 90	Q355 48.3 × 3.2mm	9'(2.743m)	10.73kg
RSCL 100	Q355 48.3 × 3.2mm	10'(3.048m)	11.89kg

Cuplock Board Bracket

FINISH: Hot-dip Galvanized / Powder Coated

ITEM NO.	DESCRIPTION	L
RSCBB 1	One board	0.29m
RSCBB 2	Two board	0.57m
RSCBB 3	Three board	0.80m



Cuplock Steel Plank**FINISH: Hot-dip Galvanized**

ITEM NO.	W	L	WEIGHT APPROX.
RSSP 040	0.2286m	1.219m	8.26kg
RSSP 050	0.2286m	1.524m	10.72kg
RSSP 511	0.2286m	1.803m	12.46kg
RSSP 070	0.2286m	2.133m	14.51kg
RSSP 080	0.2286m	2.438m	16.41kg
RSSP 082	0.2286m	2.489m	16.73kg
RSSP 090	0.2286m	2.743m	18.31kg
RSSP 100	0.2286m	3.048m	20.21kg

Cuplock Steel Ladder**FINISH: Hot-dip Galvanized**

Cuplock Ladder Bracket

ITEM NO.	W	L
RSSL 030	0.369m	3'(0.914m)
RSSL 050	0.369m	5'(1.524m)
RSSL 100	0.369m	10'(3.048m)



Steel Ladder



Truss Ledger



Transom Beam



Cuplock U-head Screw Jack



Cuplock Base Jack



Cuplock Swivel Base Screw Jack

Time Saving: Cuplock scaffolding is a wise choice for temporary structures –performance staged, event grandstands, etc.Small teams can erect it safely and quickly.

Economical: Easily assembled system scaffolding saves time and labor costs.

Durable: All components are hot dip galvanized and manufactured according to international standard.

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

For returns, material canbe packed in steel racks.

Kwikstage Standard

FINISH: Powder Coated



ITEM NO.	MATERIAL	L	WEIGHT APPROX.
RSKS 05	Q235 48.3 × 4mm	0.50m	4.71kg
RSKS 10	Q235 48.3 × 4mm	1.00m	7.03kg
RSKS 15	Q235 48.3 × 4mm	1.50m	10.06kg
RSKS 20	Q235 48.3 × 4mm	2.00m	13.10kg
RSKS 25	Q235 48.3 × 4mm	2.50m	16.14kg
RSKS 30	Q235 48.3 × 4mm	3.00m	19.18kg

Kwikstage Transom

FINISH: Powder Coated

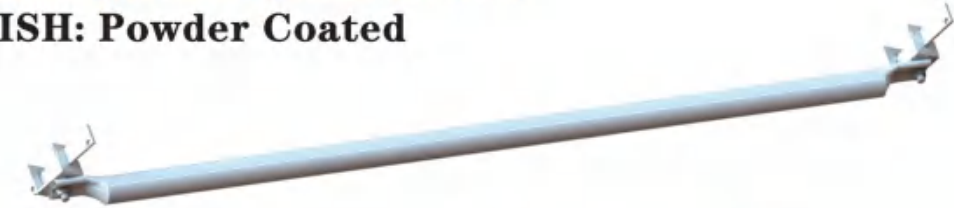


ITEM NO.	MATERIAL	L	WEIGHT APPROX.
RSKT 050	50 × 50 × 5mm	0.50m	4.04kg
RSKT 073	50 × 50 × 5mm	0.73m	5.88kg
RSKT 100	50 × 50 × 5mm	1.00m	8.04kg
RSKT 127	50 × 50 × 5mm	1.27m	10.20kg
RSKT 150	50 × 50 × 5mm	1.50m	12.04kg
RSKT 183	50 × 50 × 5mm	1.83m	14.67kg
RSKT 244	50 × 50 × 5mm	2.44m	19.55kg
RSKT 300	50 × 50 × 5mm	3.00m	24.02kg

Kwikstage Scaffolding

Kwikstage Diagonal Brace

FINISH: Powder Coated



ITEM NO.	MATERIAL	L	WEIGHT APPROX.
RSKB 170	Q235 48.3 × 3mm	1.70m	7.54kg
RSKB 200	Q235 48.3 × 3mm	2.00m	8.62kg
RSKB 270	Q235 48.3 × 3mm	2.70m	10.7kg
RSKB 320	Q235 48.3 × 3mm	3.20m	13.15kg
RSKB 360	Q235 48.3 × 3mm	3.60m	14.41kg

Kwikstage Ledger

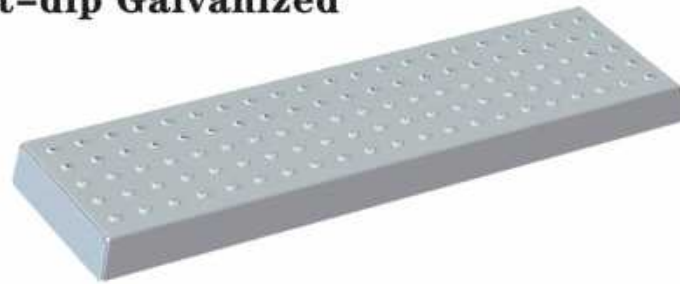
FINISH: Powder Coated



ITEM NO.	MATERIAL	L	WEIGHT APPROX.
RSKL 073	Q235 48.3 × 3mm	0.73m	3.32kg
RSKL 010	Q235 48.3 × 3mm	1.00m	4.35kg
RSKL 127	Q235 48.3 × 3mm	1.27m	5.37kg
RSKL 150	Q235 48.3 × 3mm	1.50m	6.25kg
RSKL 183	Q235 48.3 × 3mm	1.83m	7.51kg
RSKL 244	Q235 48.3 × 3mm	2.44m	9.83kg
RSKL 300	Q235 48.3 × 3mm	3.00m	11.53kg

Kwikstage Tie Bar**FINISH: Powder Coated**

ITEM NO.	MATERIAL	L	WEIGHT APPROX.
RSTB 073	40 × 40 × 4mm	0.73m	2.15kg
RSTB 100	40 × 40 × 4mm	1.00m	3.03kg
RSTB 127	40 × 40 × 4mm	1.27m	3.90kg
RSTB 150	40 × 40 × 4mm	1.50m	4.65kg
RSTB 183	40 × 40 × 4mm	1.83m	5.72kg
RSTB 244	40 × 40 × 4mm	2.44m	7.70kg

Kwikstage Plank**FINISH: Hot-dip Galvanized**

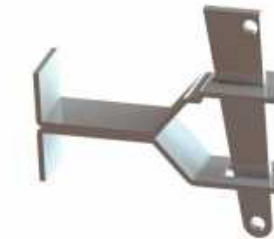
ITEM NO.	W	L	WEIGHT APPROX.
RSKP 073	0.2286m	0.73m	5.52kg
RSKP 100	0.2286m	1.00m	7.19kg
RSKP 127	0.2286m	1.27m	9.13kg
RSKP 150	0.2286m	1.50m	10.83kg
RSKP 183	0.2286m	1.83m	12.33kg
RSKP 244	0.2286m	2.44m	16.11kg
RSKP 300	0.2286m	3.00m	19.85kg

Other Accessories

Hop Up



Hop Up



Toe Board Bracket



End Toe Board Clip



Steel Stair



Kwikstage base jack

Haky Scaffolding

Haky Standard

FINISH:Hot-dip Galvanized



ITEM NO.	L	WEIGHT APPROX.
RSHKS 15	1.50m	7.96kg
RSHKS 20	2.00m	10.61kg
RSHKS 30	3.00m	15.92kg

Haky Ledger

FINISH:Hot-dip Galvanized



ITEM NO.	L	WEIGHT APPROX.
RSHKL 30	3.00m	14.80kg

Haky Single Tube Beam

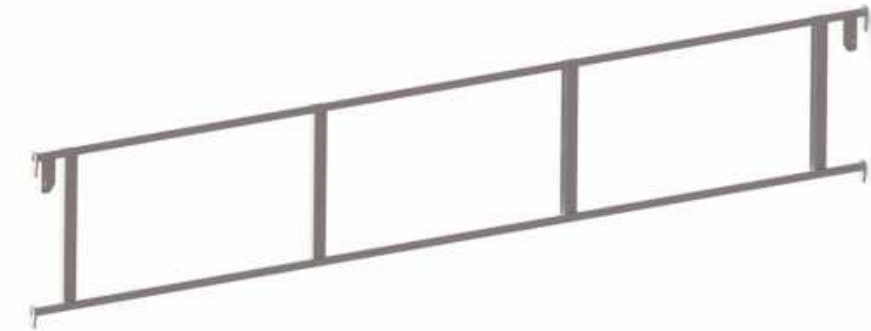
FINISH:Hot-dip Galvanized



ITEM NO.	L	WEIGHT APPROX.
RSHSTB 16	1.605m	5.40kg

Haky Guardrail Frame

FINISH:Hot-dip Galvanized



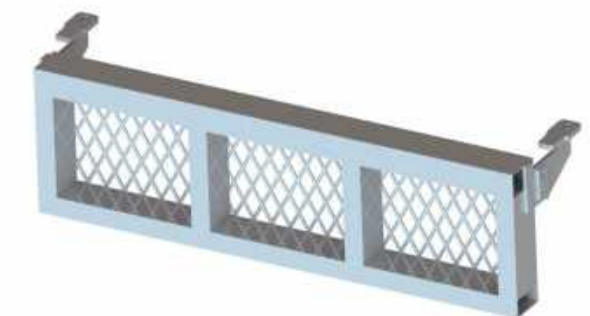
ITEM NO.	L	DESCRIPTION
RSHGF 21	1.605m	Haky Guardrail Frame
RSHGF 30	3.000m	Haky Guardrail Frame



Stair



Landing



Entrance Step

Tube with End Fitting

FINISH:Hot-dip Galvanized



ITEM NO.	L	DESCRIPTION
RSST 01	4'	Tube with End Fitting
RSST 02	6'	Tube with End Fitting
RSST 03	8'	Tube with End Fitting
RSST 04	10'	Tube with End Fitting
RSST 05	13'	Tube with End Fitting

All kinds of thickness & surface requiremerits.

Right angle coupler : A coupler used for connecting two tubes crossing at a right angle.

Class A and class B right angle couplers have the same requiraments, except that class B couplers have a higher load capacity.and a minimum requirement for torsional rigidity.

Swivel coupler : A coupler used for connecting two tubes crossing at any angle.

Parallel coupler : A coupler used for connecting two parallel tubes.

Sleeve coupler : A coupler used for jointing two tubes located co-axilally and whpse purpose is to transmit tensile and compressive and bending forces.

Class A and class B sleeve couplers have the same requirements except that class B couplers have a minimum requirement forstrength in bending and a higher tensile strength requirement. There are two basic types of sleeve couplers: Sleeve coupler functioning by friction, and Sleeve couplers working with shear pins.

Putlog coupler : coupler used for fixing a putlog or transom to a ledger.

Loose spigot : An internal component used for aligning tubes co-axially and able to transmit compressive forces.

Base-plate : A rigid plate used for spreading a load over a greater area. f it has a means of ver-tical adjustment, it is called an "adjustablebase-plate".



Color Options For Powder Coated

	RED		DARK GREEN
	GREY		YELLOW
	LIGHT BLUE		DARK BLUE
	BLACK		ORANGE



Hundreds of color is available for choosing in Pantone. Checking the Pantone item number.

There is always a color satisfying you.

Shoring system


Shoring Frame
FINISH: Powder Coated

ITEM NO.	W	H
RSSF 01	2'(0.610m)	3'(0.914m)
RSSF 02	4'(1.219m)	2'(0.610m)
RSSF 03	4'(1.219m)	3'(0.914m)
RSSF 04	4'(1.219m)	4'(1.219m)
RSSF 05	4'(1.219m)	5'(1.524m)
RSSF 06	4'(1.219m)	6'(1.828m)

Heavy Duty Props
FINISH: Hot-dip Galvanized


Heavy Duty Tripod

ITEM NO.	MIN	MAX	External Tube	Internal Tube
RSHP 01	1.10m	1.80m	60.3 × 3.0mm	48.3 × 3.2mm
RSHP 02	1.50m	2.50m	60.3 × 3.0mm	48.3 × 3.2mm
RSHP 03	1.80m	3.20m	60.3 × 3.0mm	48.3 × 3.2mm
RSHP 04	2.20m	4.00m	60.3 × 3.0mm	48.3 × 3.2mm
RSHP 05	2.80m	5.00m	60.3 × 3.0mm	48.3 × 3.2mm

Double Holes or Single Hole Angle Cross Brace
FINISH: Powder Coated

ITEM NO.	W	H
RSACB 01	3' & 4'	4'(1.219m)
RSACB 02	3' & 4'	5'(1.524m)
RSACB 03	3' & 4'	6'(1.828m)
RSACB 04	3' & 4'	7'(2.134m)
RSACB 05	3' & 4'	8'(2.438m)
RSACB 06	3' & 4'	10'(3.048m)


Light Duty Props
FINISH: Powder Coated


Light Duty Tripod

ITEM NO.	MIN	MAX	External Tube	Internal Tube
RSLP 01	1.60m	2.80m	57.0 × 2.0mm	48.3 × 2.5mm
RSLP 02	1.80m	3.20m	57.0 × 2.0mm	48.3 × 2.5mm
RSLP 03	2.0m	3.50m	57.0 × 2.0mm	48.3 × 2.5mm



Shoring Coupling



Shoring Base Plate



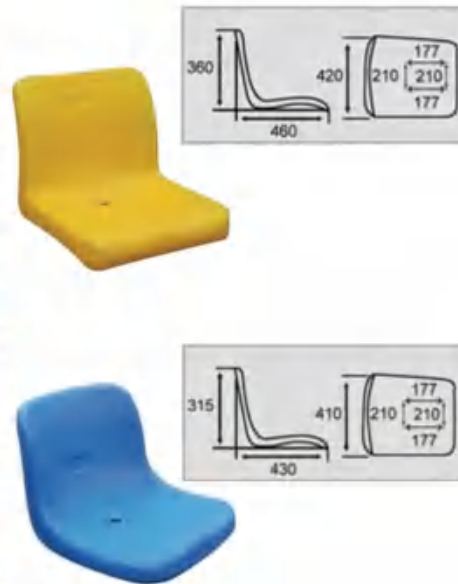
Shoring U Head



Hitch Pin



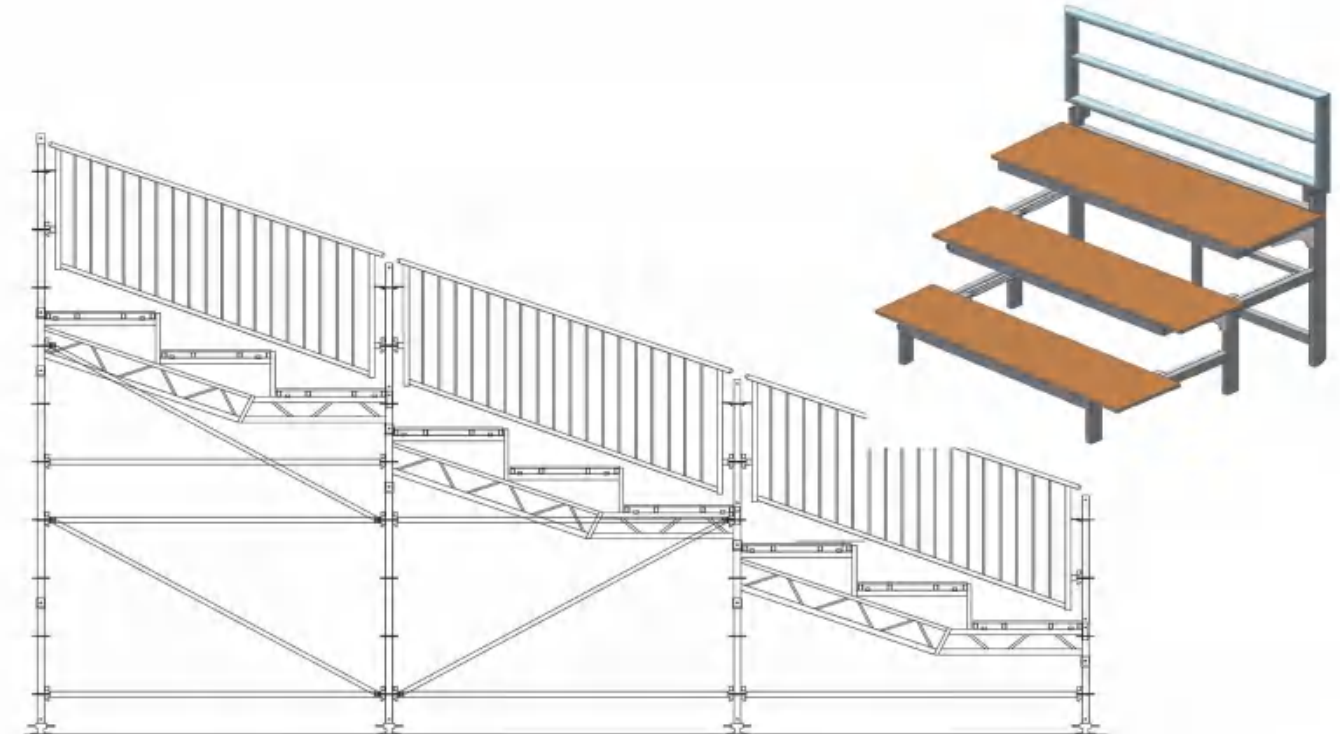
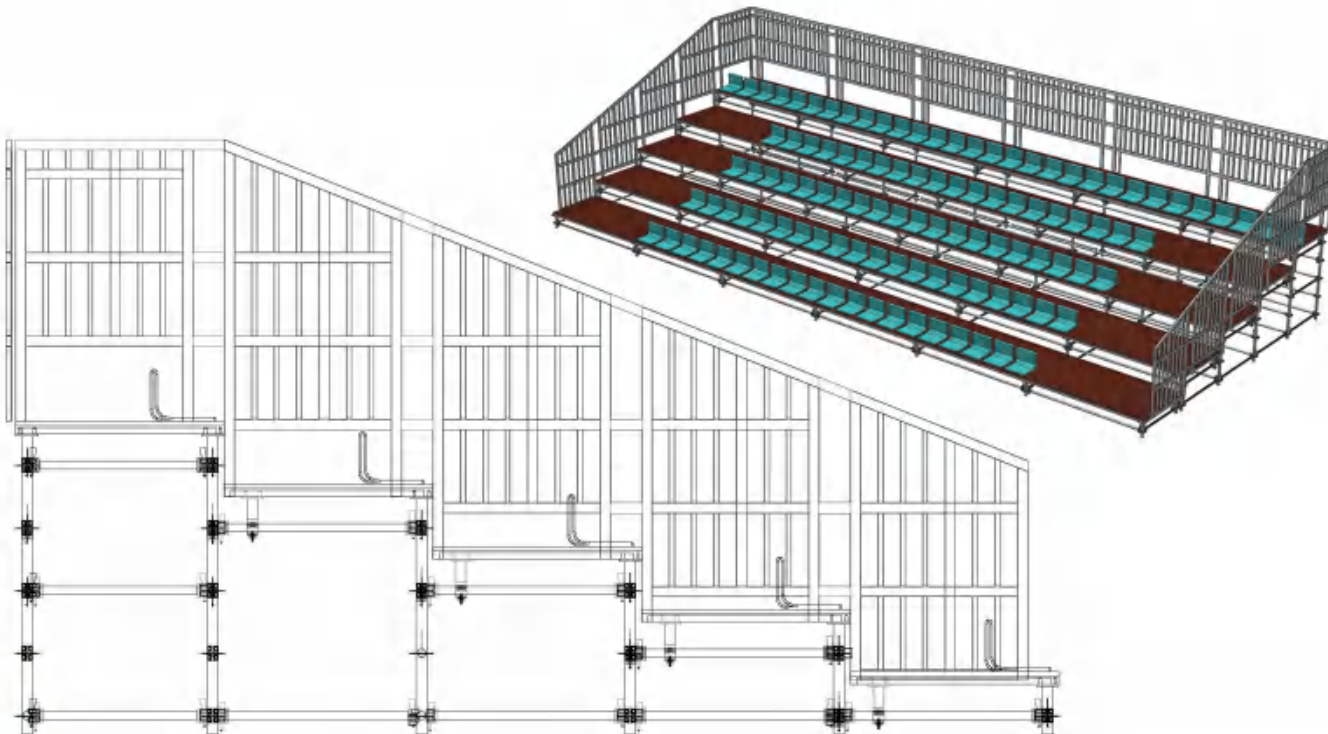
Base Jack



Seat type : plastic chairs Seat fixed way : bolt & nut
Supported steel : Q235 with galvanized
Board covers : 18mm / 21mm plywood
Safety Railing : Height 1100mm, steel tube with galvanized



Seat type : steel board Seat fixed way : bolt & nut
Supported steel : Q235 with galvanized
Safety Railing : Height 1100mm, steel tube with galvanized



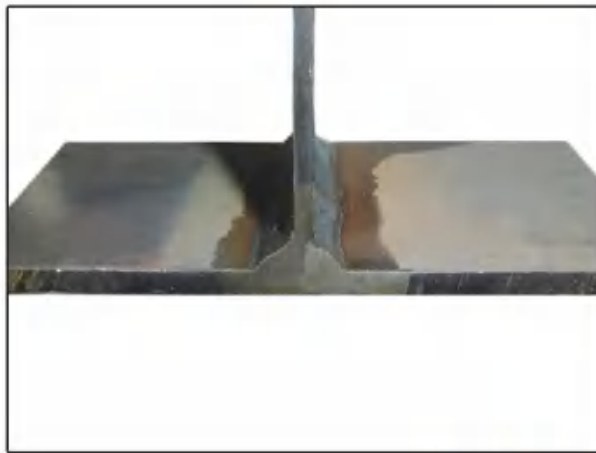
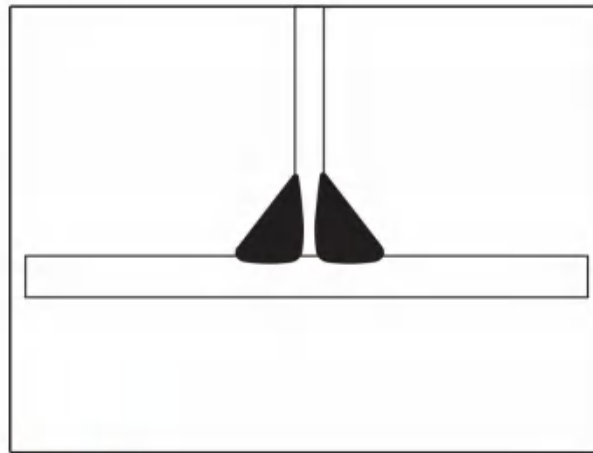
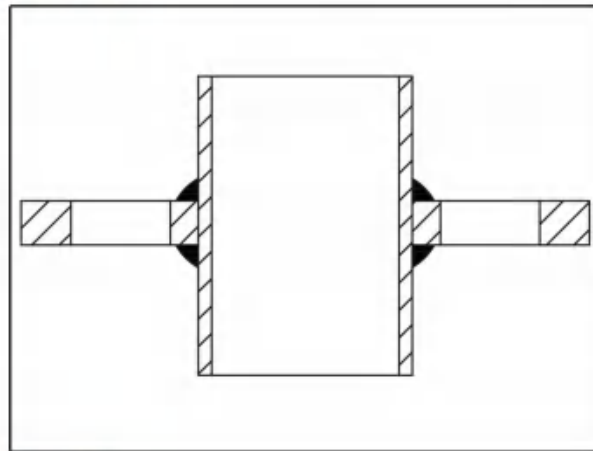


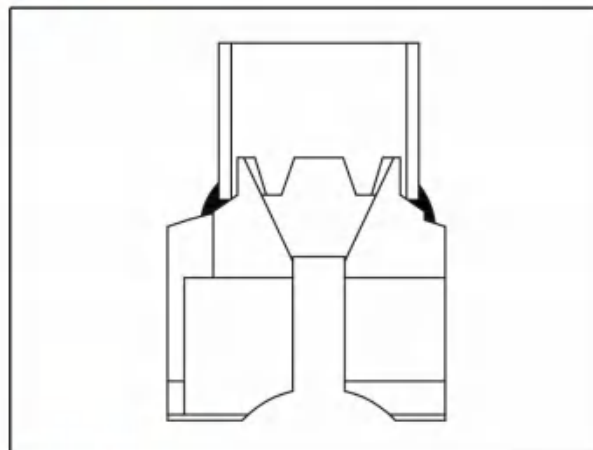
Plate with plate welding



Rosette with tube welding



Casting end with tube welding



As we know,welding is a key factor to the quality of scaffolding, which is equal to or evenmore important than the quality of raw material. We pay much attention on the weldingquality – our engineers issue wPs(Welding Procedure Specification) & PQR(ProcedureQualification Report) for each welding product.And every welder needs to weld and cutone welding sample to check the welding penetration everyday before they start to dotheir welding work.

The tests are conducted based on ANSI A 10.8,AS/NZS 1576, EN12811 standard,or the related standard required by customer.



Base Jack (Test in different nut high)



Steel Plank (Uniformly distributed load test)



Ringlock Ledger (Load capacity test)



Kwikstage Ledger (Bending moment)



Ringlock Standard
(Load capacity of single standard)



Ringlock Tower (One unit test)



ISO 9001:2008



ISO 14001



OHSAS 18001



Olympic Certificate



EN ISO 3834



EN ISO 3834-3



Ringlock EN12811
Certification



CE
(Ringlock Scaffolding)



ANSI A10.8
(Ringlock Scaffolding)



AS/NZS 1576.3
(Ringlock Scaffolding)



EN1090-1-2



EN1090-2



[illegible]