



SINO BUILDING MATERIAL  
山东港中建材有限公司

SHANDONG SINO BUILDING MATERIAL CO.,LTD.

以客为尊 以质为本

Take customers as the honoured  
Take quality as the foundation

山东港中建材有限公司

SHANDONG SINO BUILDING MATERIAL CO.,LTD.

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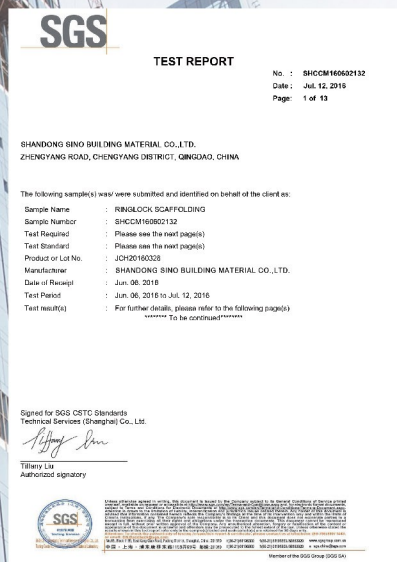
## **COMPANY INTRODUCTION**

Shandong Sino Building Material Co.,Ltd, as a modern enterprise affiliated to Shandong Sino Steel Co.,Ltd. , specializes in the research and development,production and sales of building materials such as scaffolding and formwork. As one of the leading foreign trade gateways of Chinese construction material industry, on basis of the principle of equality and mutual benefit, the group has established extensive and friendly business cooperation in both domestic and overseas market, giving its best support to the expansion of the industry.

The cooperation owns and cooperates with three factories with main products including Ringlock/Kwikstage/Cuplock/Frame system scaffolding, Steel prop, Aluminum formwork and other relevant goods and has been appraised as the National Excellent Construction Materials Production Enterprise. It has passed ISO9001 quality management system certification and its products have passed AS1576&1577 quality standard certification as well as JIS certification of industrial standard in Japan.The company has over twenty patented products and some of its goods rank the leading level of the world. Meanwhile, it owns over four hundred sets of advanced production equipment including large CNC punching, cutting, bending equipment and dozens of fully automatic welding equipment and has modern and professional hot-dip galvanizing workshops with monthly output of tens of thousands of tons.The export volume of construction materials takes a lead in the world and products are sold to more than sixty countries in Europe and America, Oceania, Asia and Africa, providing over three thousand foreign customers with safe and high-quality products and services.

Shandong Sino Building Material Co.,Ltd will always set its goal to promote the healthy and fast development of Chinese building material industry in good faith,be realistic and pragmatic,maintain our brand stronger,and devote ourselves to providing customers with both our high quality products and first class service.We sincerely hope to establish long-term win-win cooperation with domestic and overseas clients in the future.



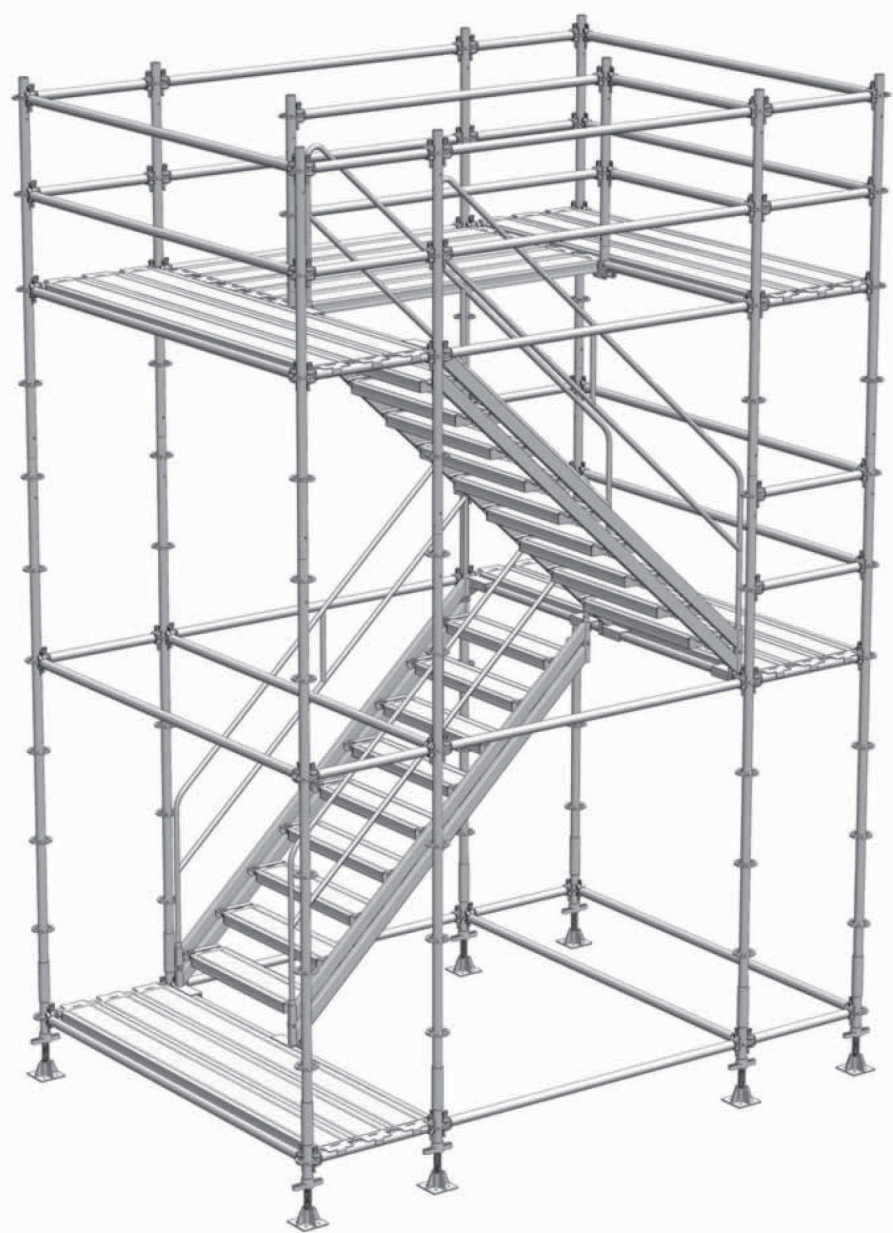


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## Steel Ringlock Scaffolding System

Steel Ringlock Scaffolding System is versatile high-strength galvanized steel modular scaffold which is built for increased strength, versatility and usability.



### Features&Benefits:

#### ■ High Strength and Safety

Steel Ringlock Scaffold are built for high strength and safety,consisting of galvanized high-strength steel modular components.

#### ■ Various Sizes for Different Jobs Requirement

Horizontals, diagonals and verticals are available in a variety of lengthss,ranging from 2ft to 10 ft which allows the system to be built in any configuration to suit different job requirement.

#### ■ Versatility and Applications

Steel Ringlock Scaffold is a versatile scaffold which is applicable for all types of access and support Structure such as building construction, external and internal wall maintenance,subways,tunnels,bridge.





## Components



Description	Size L (mm)	Material	Weight(kg/lbs)	
Standard Post	500/1'-7"	Q345	3.05	6.72
	1000/3'-3"	Q345	5.41	11.93
	1500/4'-11"	Q345	8.10	17.86
	2000/6'-6"	Q345	10.05	22.16
	2500/8'-2"	Q345	12.65	27.89
	3000/9'-10"	Q345	14.43	31.81



Description	Size L (mm)	Material	Weight(kg/lbs)	
Horizontal Brace	610/2'	Q235	2.88	6.36
	914/3'	Q235	4.03	8.89
	1219/4'	Q235	5.17	11.4
	1524/5'	Q235	6.32	13.93
	1829/6'	Q235	7.48	16.5
	2133/7'	Q235	8.58	18.92
	2438/3'	Q235	9.74	21.48
	3048/10'	Q235	12.06	26.58



Description	Size L (mm)	Material	Weight(kg/lbs)	
Diagonal brace	914×2000/3×6'-6"	Q345	9.25	20.40
	1219×2000/4×6'-6"	Q345	9.69	21.37
	1524×2000/5×6'-6"	Q345	10.24	22.58
	1829×2000/6×6'-6"	Q345	10.94	24.12
	2133×2000/7×6'-6"	Q345	11.58	25.52
	2438×2000/8×6'-6"	Q345	12.37	27.26
	3048×2000/10×6'-6"	Q345	14.05	30.98



Description	Size L (mm)	Material	Weight(kg/lbs)	
Steel Plank	914/3'	Q235	7.16	15.78
	1219/4'	Q235	8.94	19.71
	1524/5'	Q235	10.72	23.63
	1829/6'	Q235	12.70	28.00
	2133/7'	Q235	14.68	32.36
	2438/8'	Q235	16.46	36.29
	3048/10'	Q235	20.22	44.58



Description	Size L (mm)	Material	Weight(kg/lbs)	
Screw Jack	600/2'	Q235	4.7	10.36



Description	Size L (mm)	Material	Weight(kg/lbs)	
Base Collar	300/1'	Q345	2.34	5.15



Description	Size L (mm)	Material	Weight(kg/lbs)	
Aluminum Stair Case	2133*2000/7'*6'-6"	6061-T6	25.51	56.24



Description	Size L (mm)	Material	Weight(kg/lbs)	
Steel Stair Case	2133*2000/7'*6'-6"	Q235	99.21	218.72



Description	Size L (mm)	Material	Weight(kg/lbs)	
Double Ledger	1829/6'	Q235	12.03	26.52
	2133/7'	Q235	13.84	30.51
	2438/8'	Q235	16.50	36.38
	3048/10'	Q235	20.68	45.59



## Kwikstage Scaffolding System



### Brief of Kwikstage scaffolding

Kwikstage scaffolding is a universally established prefabricated Scaffolding system, which can be used for both Access and Shoring Application.

The "V" pressing steel in clusters, at 495mm intervals, provides Connection points for Ledgers, Transoms and Diagonals. The surface can be made by Dip painting, Electro zinc plating and Hot Dip galvanizing.

### Advantages

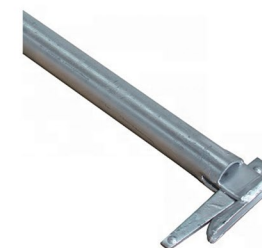
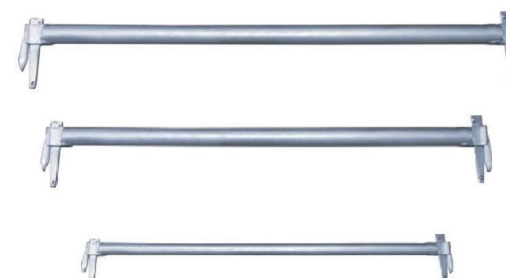
1. The simple and fast connection method makes Kwikstage scaffolding a versatile, efficient and cost effective alternative to Traditional tube and coupler scaffolds.
2. The system can be used for both Access and Shoring application.
3. The system can be cover the corner or other irregular shape of building easily with the accessories.

### Kwikstage system standard

Model	Size(mm)	Material size(mm)
BM-300	300	Ø48.3×2.75~3.5
BM-1000	1000	Ø48.3×2.75~3.5
BM-2000	2000	Ø48.3×2.75~3.5
BM-3000	3000	Ø48.3×2.75~3.5



Plate



### Kwikstage system ledger

Model	Size(mm)	Material size(mm)
KS-L-500	500	Ø48.3×2.75~3.5
KS-L-1050	1050	Ø48.3×2.75~3.5
KS-L-1781	1781	Ø48.3×2.75~3.5
KS-L-2000	2000	Ø48.3×2.75~3.5
KS-L-3000	3000	Ø48.3×2.75~3.5



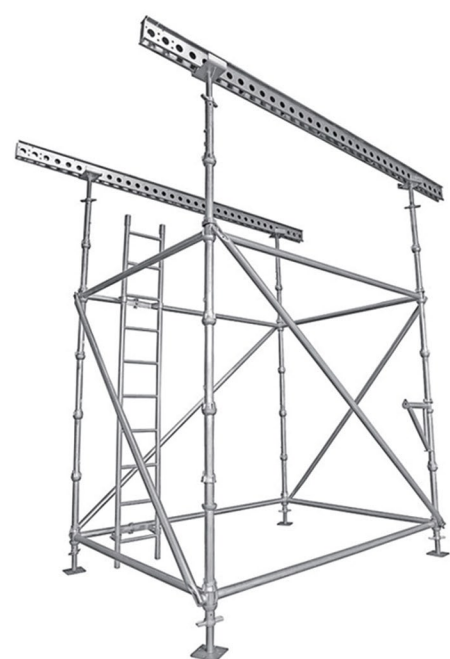
Ledger end



Insert pin



## CUPLOCK SCAFFOLDING SYSTEM



### Brief of Cuplock scaffoldings

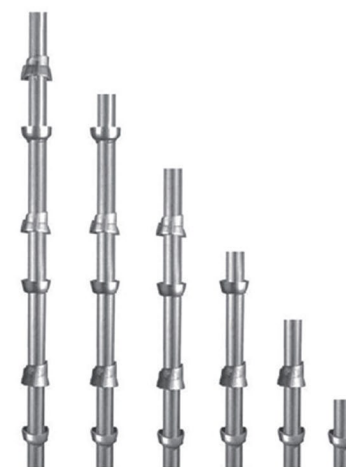
Cuplock scaffolding has its unique method of connecting, the horizontal & transoms connect to the Standards in one single action without the use of Nuts, bolts or wedges, which can be used for both Access and Shoring application. Cuplock scaffoldings are widely used for house buildings, bridges, tunnels and towers etc. The surface can be made by Dip painting, Electro zinc plating and Hot dip galvanizing.

### Advantages

- 1.The simple, fast and strong connection method.
- 2.The system can be used for both Access and shoring application, so widely used in different industries.
- 3.The system can cover the corners or other irregular shapes of buildings easily with the accessories.

### Cuplock system standard

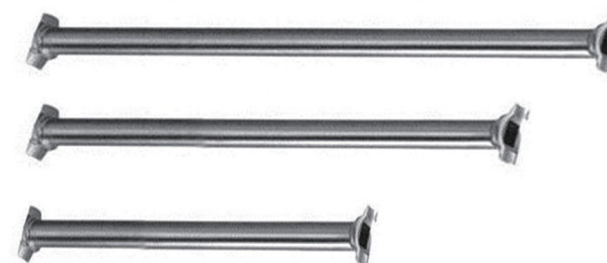
Model	Size(mm)	Material size(mm)
CL-S-1200	1200	Ø48. 3×2. 75~3. 5
CL-S-1800	1800	Ø48. 3×2. 75~3. 5
CL-S-2400	2400	Ø48. 3×2. 75~3. 5



Upper cup



Bottom cup



### Cuplock system ledger

Model	Size(mm)	Material size(mm)
BM-600	600	Ø48. 3×2. 75~3. 5
BM-900	900	Ø48. 3×2. 75~3. 5
BM-1200	1200	Ø48. 3×2. 75~3. 5



Casting ledger blade

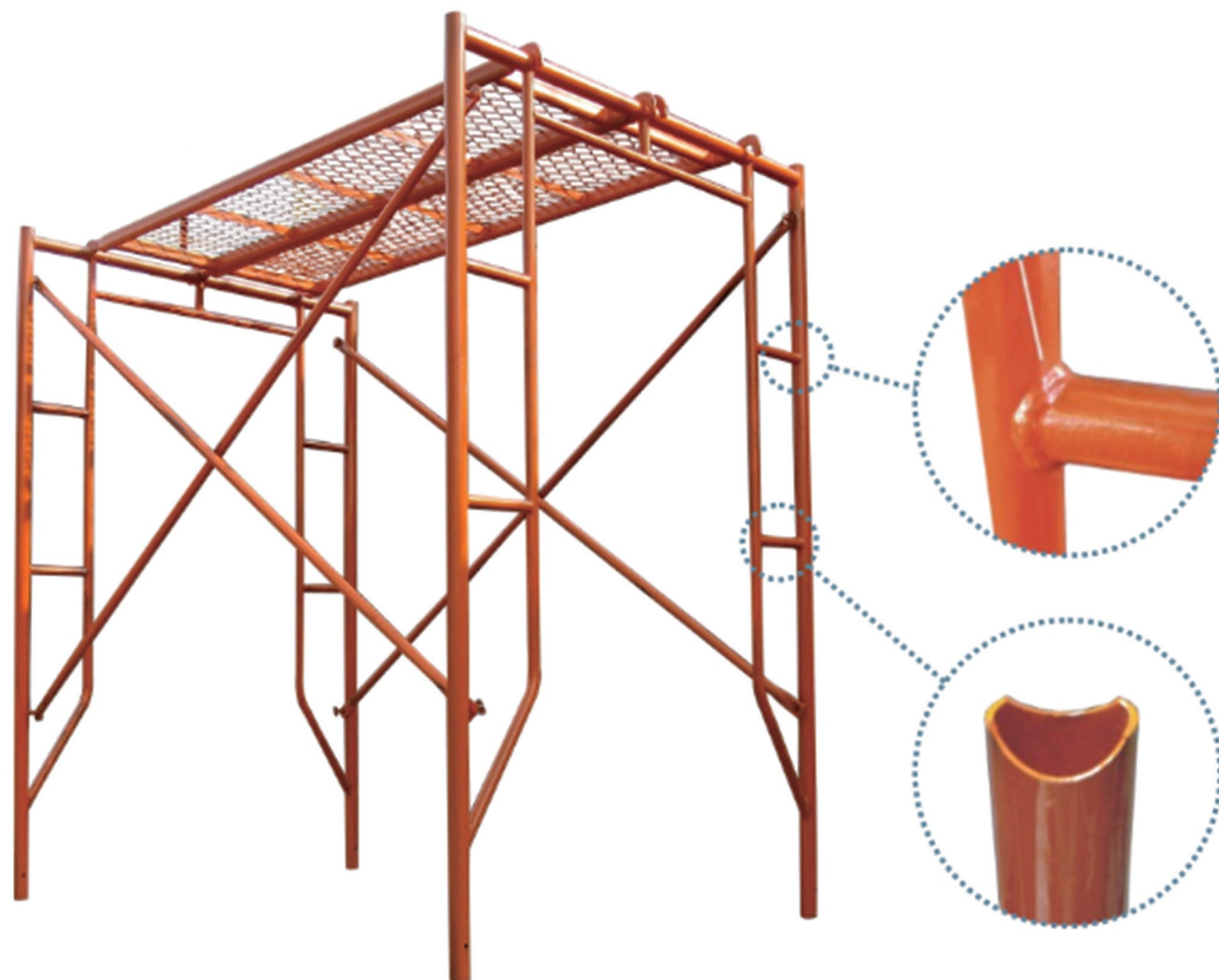


Pressing ledger blade

With automafic wefding technology,  
stable quality uniform and smooth  
surface

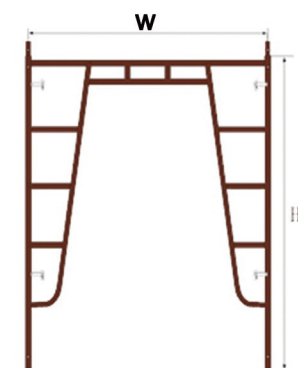
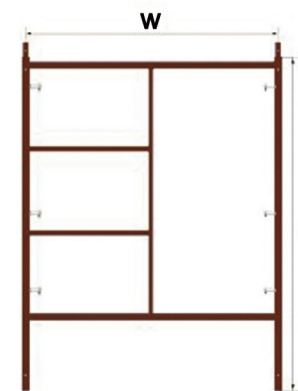


## Frame scaffolding



Brace

Model	Size(mm)	Material size(mm)
BM-01	2198	Ø 25×1.2 ~ 1.5
BM-02	1928	Ø 25×1.2 ~ 1.5
BM-03	2198	3#Angle steel
BM-04	1928	3#Angle steel



Mason Frame/Step Frame

ITEM NO.	W	W	FINISH
JCF 01	4' (1219)mm	5' (1524)mm	Powder Coated
JCF 02	5' (1524)mm	3' (914)mm	Powder Coated
JCF 03	5' (1524)mm	4' (1219)mm	Powder Coated
JCF 04	5' (1524)mm	5' (1524)mm	Powder Coated
JCF 05	5' (1524)mm	6' 4' (1930)mm	Powder Coated

Walk Through Frame

ITEM NO.	W	W	FINISH
JCF 06	4' (1219)mm	5' 7' (1700)mm	Powder Coated
JCF 07	4' (1219)mm	6' 4' (1930)mm	Powder Coated
JCF 08	5' (1524)mm	4' (1219)mm	Powder Coated
JCF 09	5' (1524)mm	6' 4' (1930)mm	Powder Coated
JCF 10	5' (1524)mm	6' 7' (2006.6)mm	Powder Coated

Ladder Frame

ITEM NO.	W	W	FINISH
JCF 11	2' (609)mm	5' (1524)mm	Powder Coated
JCF 12	2' (609)mm	6' 4' (1930)mm	Powder Coated
JCF 13	3' (914)mm	4' (1219)mm	Powder Coated
JCF 14	3' (914)mm	5' (1524)mm	Powder Coated
JCF 15	3' (914)mm	6' (1828)mm	Powder Coated



## Shoring prop



## Shoring prop



Design A: Inner tube  $\varnothing$  40mm Outer tube  $\varnothing$  48mm

Adjustable length(mm)	1600-2900	1800-3200	2000-3600	2200-4000
Tube thickness(mm)	1.6	1.8	2.0	



Design B: Inner tube  $\varnothing$  48mm Outer tube  $\varnothing$  56~58mm

Adjustable length(mm)	1600-2900	1800-3200	2000-3600	2200-4000
Tube thickness(mm)	1.8	2.0	2.2	



Design C: Inner tube  $\varnothing$  48mm Outer tube  $\varnothing$  58~60mm

Adjustable length(mm)	1600-2900	1800-3200	2000-3500	2200-4000
Tube thickness(mm)	1.8	2.0	2.2	2.5 3.0



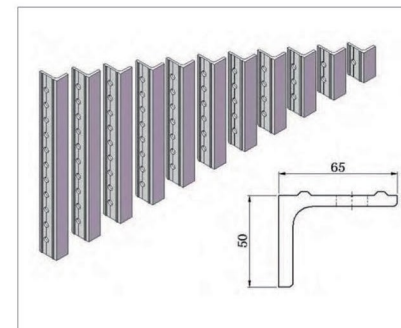


## EasyForm System

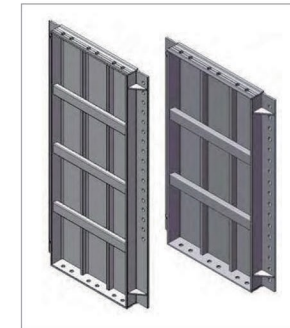


EasyForm is the result of years of efforts has consistently dedicated to products researching, developing and testing. It allows for monolithic pouring of all walls, slabs and stair cases to suit any housing project. Its inherent simplicity is what makes the EasyForm an efficient, safe and cost effective alternative to extremely heavy steel forms. It can be either fully built by hands or after being completely assembled with cranes. Comparing to conventional forms, EasyForm can increase the jobsite efficiency by 1/3 to 1/2.

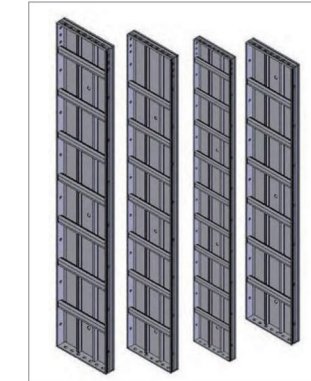
## Components



**Foot Panel**  
Length: 100~650mm  
Width: 65×50mm



**Beam Bottom Panel**  
Length: 300~1200mm  
Width: 200~500mm



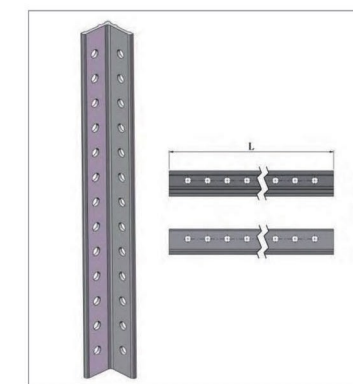
**Trepanning Panel**  
Length: 800~3000mm  
Width: 100~600mm



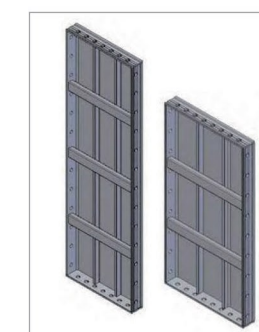
**Stripping Head**  
Length: 100~1200mm  
Width: 100~400mm



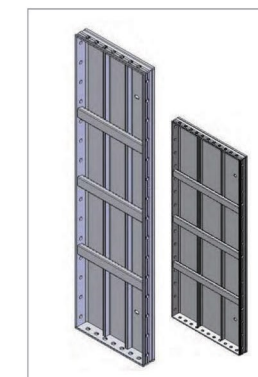
**Wall End Panel**  
Length: 1210~3000mm  
Width: 200~500mm



**Connecting Corner Panel**  
Length: 100~1800mm  
Width: 65×65mm



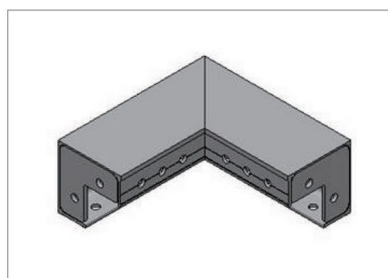
**Slab Panel**  
Length: 100~1500mm  
Width: 100~600mm



**Transition Panel**  
Length: 200~1500mm  
Width: 400~600mm

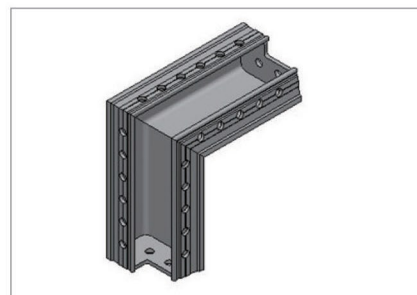


## Components



**Outside Corner Panel**

Length: (100/150/200/250/300/350)  
\*(100/150/200/250/300/350) mm  
Width: 150\*150mm



**External Corner Panel**

Length: 250\*250mm、350\*350mm  
Width: 150\*150mm



**WC Inside Corner**

Length: 330~2450mm  
Width: 150\*150mm



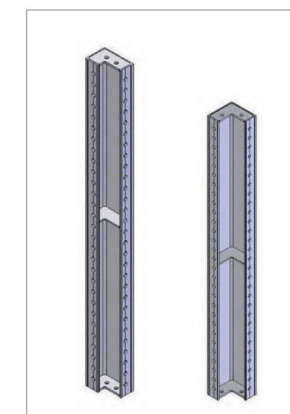
**WC Panel**

Length: 700~2300mm  
Width: 50~600mm



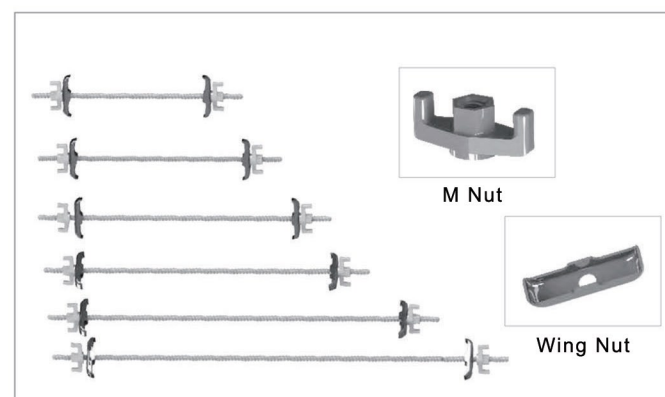
**Column Panel**

Length: 800~3000mm  
Width: 50~600mm



**Trigonal Inside Corner Panel**

Length: 100~2450mm  
Width: 100\*150mm、150\*150mm



**Tie Rod**

Size: Tr18\*(325~1400)mm



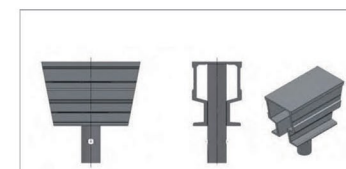
EPE



**Tie Plate**

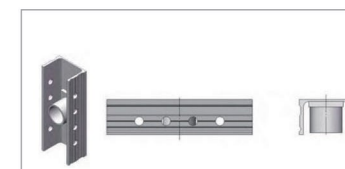
Size:  $\delta$  3\*40\*(250~470)mm

## Components



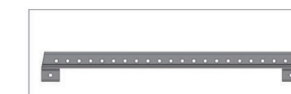
**Slab Early Stripping Head**

Length: 200mm  
Width: 100mm



**Beam Early Stripping Head**

Length: 120~620mm  
Width: 100mm



**Beam Panel With Inclined Ends**

Length: 1100mm  
Width: 100mm



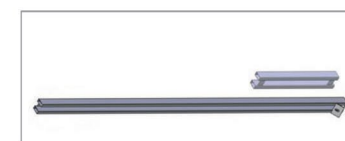
**Beam Panel With Inclined End**

Length: 250~1000mm  
Width: 100mm



**Angle Steel Aligner**

Length: 400~3000mm  
Width: 400mm



**Steel Aligner**

Length: 650~3000mm



**Plumbing Brace**

Bottom brace length: 1020~1700mm  
Upper brace length: 2000~2650mm  
2200~2900mm



**Stabilizer**

Length: 2000~2650mm  
2500~3300mm



**Steel Prop**

Length: 1800~3200mm  
1800~2900mm



**Wedges**

Size:  $\delta$  3\*24.5\*68mm



**Pin**

Size:  $\phi$  16\*50mm、 $\phi$  16\*145mm



**Fast Stripping Bar**

Size: 26\*46.8\*348mm



## Fast form/slab form system

Fastform is an advanced aluminum panel-prop-formwork system which allows early stripping operation.



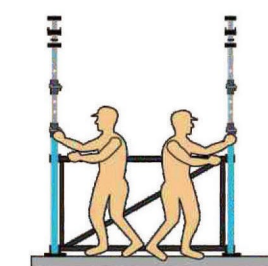
## Process

1



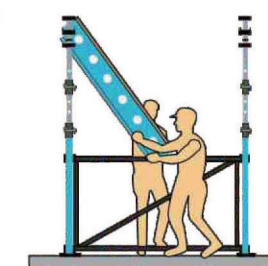
Adjust the steel props to the required length

2



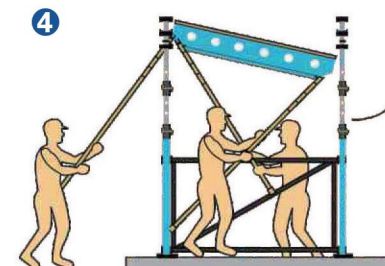
Erect the steel props using gate brace

3



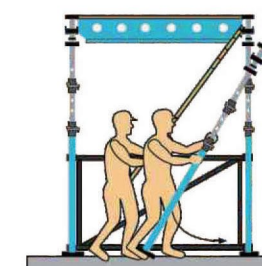
Hang the panel to the prop head

4



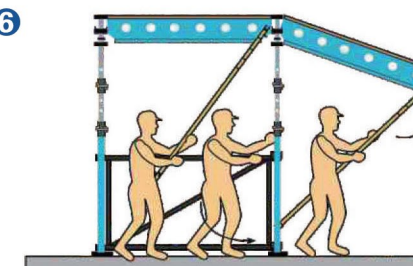
Swing the lower end of the panel to position using ADT

5



Insert, push, straighten and lock in the fourth props

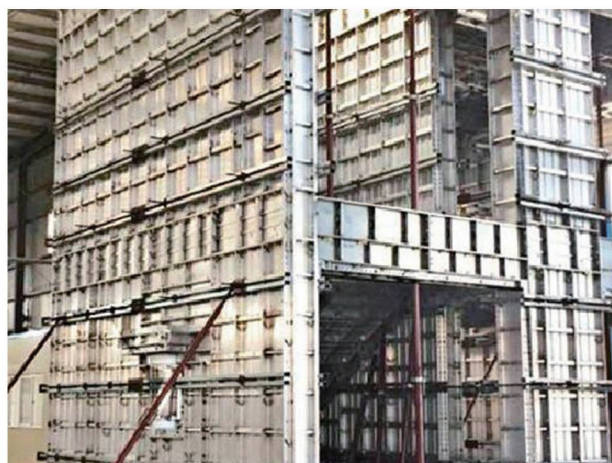
6



Repeat steps 3,4&5



## Formwork Project



## Advantages

### ■ Easy to handle

Easyform is manufactured with aluminium alloy and every extrusion is specifically designed for high strength and light weight. Even for the biggest panel, it can be easily handled by a single worker.

### ■ One-time Pouring

Easyform allows for monolithic pouring of all walls, slabs and staircases to suit any housing projects.

### ■ High Concrete Pouring Rate

Early Stripping Theory is perfectly integrated with Easyform System. With one-floor forms and three-floor props, the workers will be able to complete the concrete pouring job of one floor in only 4 days.

### ■ More Reuses

Typical number of reuses is likely to be  $\geq 300$  times subject to the correct site practice.

### ■ Great Recyclable Value

The used aluminum material is of great recyclable value, over 35% higher than steel.

### ■ Environmental Friendly

Full aluminum structure leads to no galvanization and thus minimizes the pollution to our earth.







Item No. A001  
BS TYPE SWIVEL COPLER  
1.12-1.15kg/pcs



Item No. A002  
BS TYPE BOARD RETAINING COUPLER  
0.58-0.63kg/pcs



Item No. A003  
BS TYPE PUTLOG COUPLER  
0.6-0.63kg/pcs



Item No. A019  
BS TYPE GIRDER COUPLER  
1.45-1.5kg/pcs



Item No. A020  
BS TYPE HALF COUPLER  
0.54-0.56kg/pcs



Item No. A021  
BS TYPE SWIVEL COUPLER  
0.98-1.0kg/pcs



Item No. A004  
BS TYPE DOUBLE COUPLER  
0.8-0.82kg/pcs



Item No. A005  
BS TYPE GIRDER COUPLER  
0.46-0.5kg/pcs



Item No. A006  
BS TYPE HALF COUPLER  
0.45-0.5kg/pcs



Item No. A022  
JAPANESE DOUBLE COUPLER  
560g/580g/600g/620g/650g/700g/pcs



Item No. A023  
BS JAPANESE SWIVEL COUPLER  
560g/580g/600g/620g/650g/700g/pcs



Item No. A024  
60.5\*60.5 JAPANESE DOUBLE COUPLER  
700g/pcs



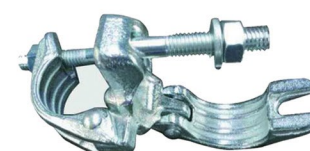
Item No. A007  
48.6\*60.5 JAPANESE SWIVEL COUPLER  
650kg/pcs



Item No. A008  
JAPANESE HALF COUPLER  
300kg/pcs



Item No. A009  
60.5 JAPANESE HALF COUPLER  
350kg/pcs



Item No. A025  
ANTI-SLIP COUPLER



Item No. A026  
FORGED JOINT PIN COUPLER



Item No. A027  
GERMAN TYPE FORGED SLEEVE COUPLER



Item No. A010  
AUSTRALIAN TYPE FORGED



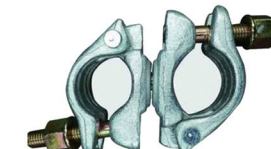
Item No. A011  
GERMAN TYPE DOUBLE COUPLER 48\*48mm



Item No. A012  
GERMAN TYPE SWIVEL COUPLER 48\*48mm



Item No. A028  
GERMAN TUPE DOUBLE COUPLER 48\*60mm



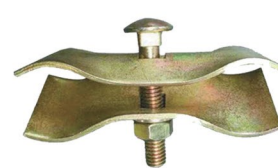
Item No. A029  
GERMAN TUPE SWIVEL COUPLER 48\*60mm



Item No. A030  
JIS TYPE PRESSED BEAM CLAMP



Item No. A013  
PRESSED FENCING CLAMP



Item No. A014  
FENCING COUPLER



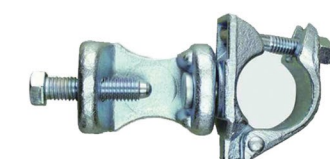
Item No. A015  
CHINESE INDUSTRIAL COUPLER



Item No. A031  
BS TYPE DOUBLE COUPLER  
0.96-1.0kg/pcs



Item No. A032  
48.6\*60.5 JAPANESE DOUBLE COUPLER  
650kg/pcs



Item No. A033  
SWIVEL BEAM CLAMP



Item No. A016  
BS TYPE SLEEVE COUPLER  
0.97-1.0kg/pcs



Item No. A017  
60.5\*60.5 JAPANESE SWIVEL COUPLER  
700kg/pcs



Item No. A018  
BS TYPE JOINT PIN COUPLER  
0.6-0.63kg/pcs



Item No. A034  
PRESSED LIMPET COUPLER



Item No. A035  
BOLT OF SCAFFOLDING COUPLER



Item No. A036  
TIE ROD & WING NUT



## Equipment

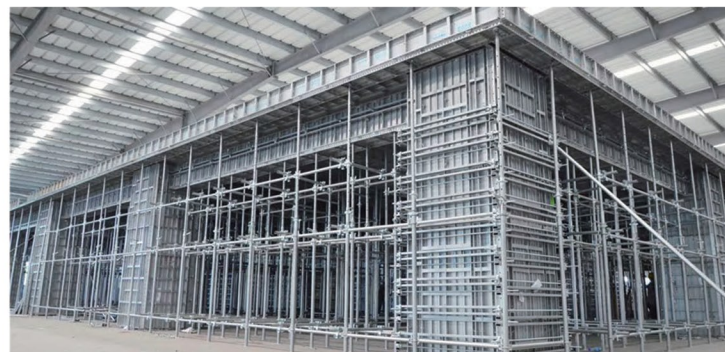




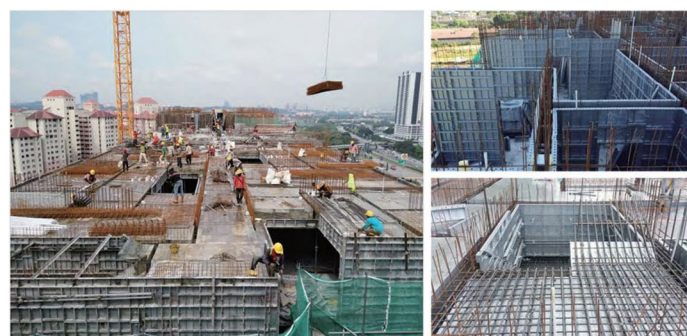
## Our Projects



**Project: Cuba Government Police Dorm**



**Project: Baoneng Financial Center In Nan'ning**



**Project: Risda In Malaysia**



**Project: Coastline Garden In Foshan**

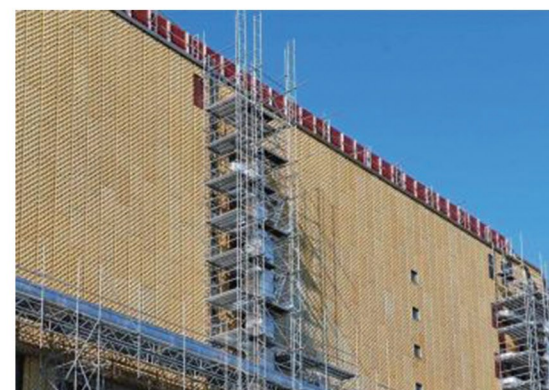
## Cooperation Case



**WD Grand Plaza in Lima, Peru**



**Qingdao New Airport**



**Qingdao Grand Theatre**



**Prospection project with Kuwait Oil Company (KOC)**



**Oil Storage Center of Sinopec Qilu Petrochemical Company**



**Academy Center for Character and Leadership Development**