Qingdao WanchengTai International Trading Co., Ltd.
Shandong JingChengHui Machinery Technology Co., Ltd.

Scaffolding System Brochure

----Ringlock Scaffolding System



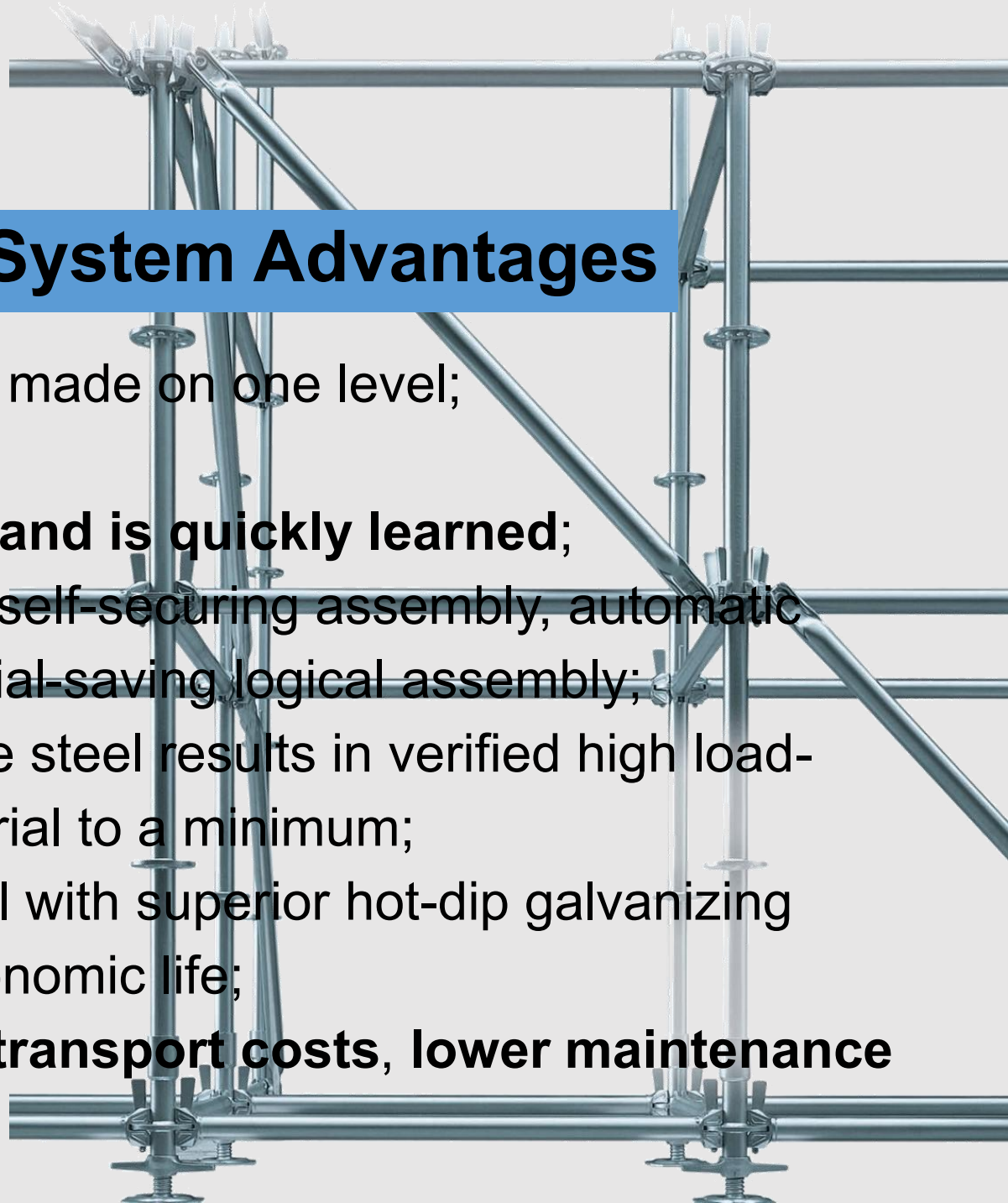
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WANCHENG TAI

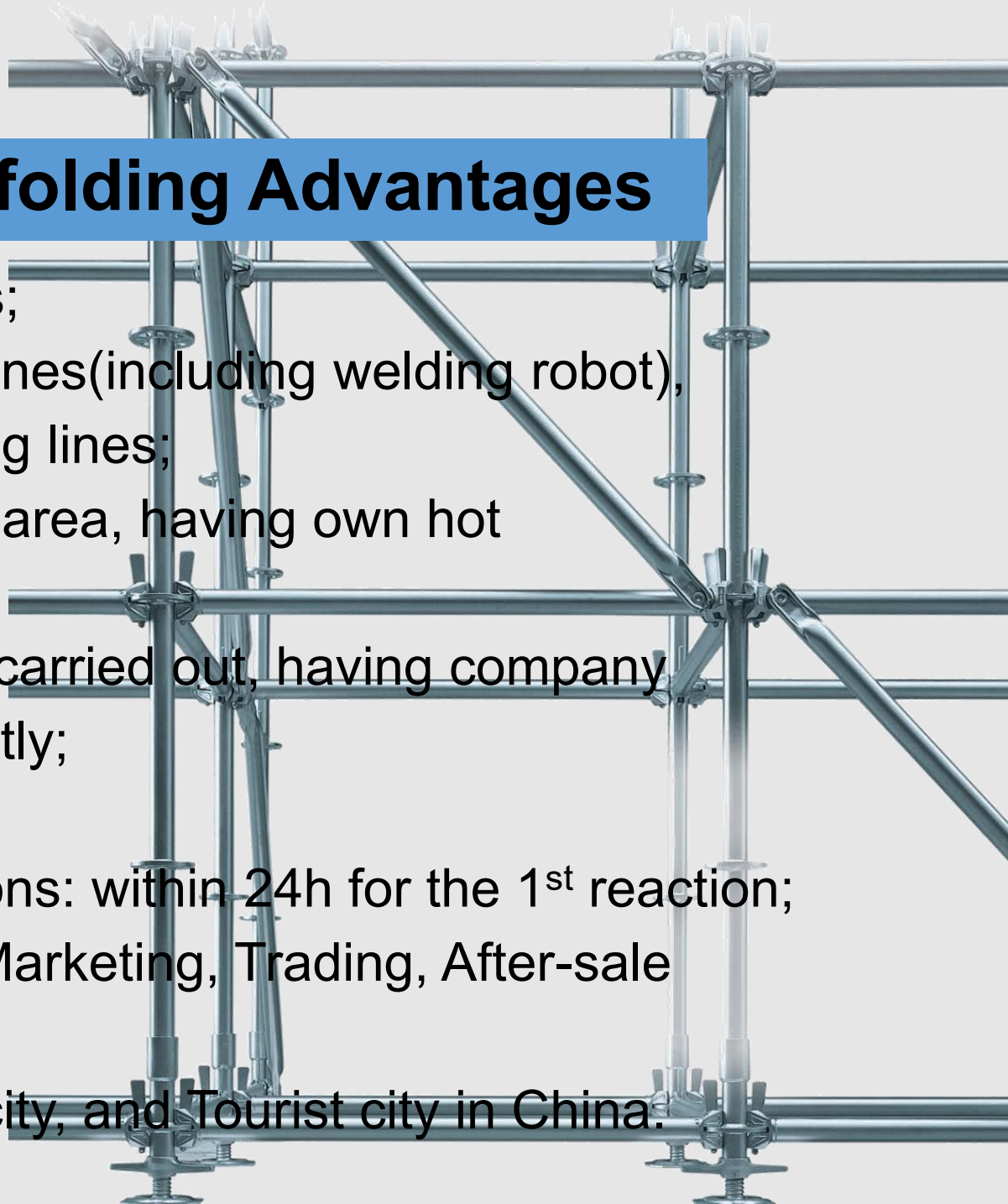
Ringlock Scaffolding System Advantages



- More Flexible –**Up to 8 connections** can be made on one level;
- Safe, **1-man assembly** at any height;
- Assembly of the system is **self-explanatory and is quickly learned**;
- **Savings in time**: connection for non-bolted, self-securing assembly, automatic right angles, a few basic components, material-saving logical assembly;
- **Less Weight but Stronger**: using high grade steel results in verified high load-bearing capacity reducing the required material to a minimum;
- **Lower Maintenance Costs**: high grade steel with superior hot-dip galvanizing ensures little maintenance cost and long economic life;
- More Profitable: **lower labour costs**, **lower transport costs**, **lower maintenance costs**

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WanchengTai Scaffolding Advantages



- Rich Experience in manufacturing: 21 years;
- Advanced Production Lines: Auto Welding lines(including welding robot), Auto Plank Rolling lines, Auto Thread Rolling lines;
- Huge Production Capacity: Up to 50000m2 area, having own hot dip galvanizing workshop, 150+ workers;
- Strict Quality Policy: ISO9001 certified and carried out, having company internal quality control procedure more strictly;
- Complete Supporting Supply-Chain;
- Prompt Reaction to any consult and questions: within 24h for the 1st reaction;
- Complete teams: Engineering, Managing, Marketing, Trading, After-sale service;
- Located in Qingdao: Industry city, Seaport city, and Tourist city in China.

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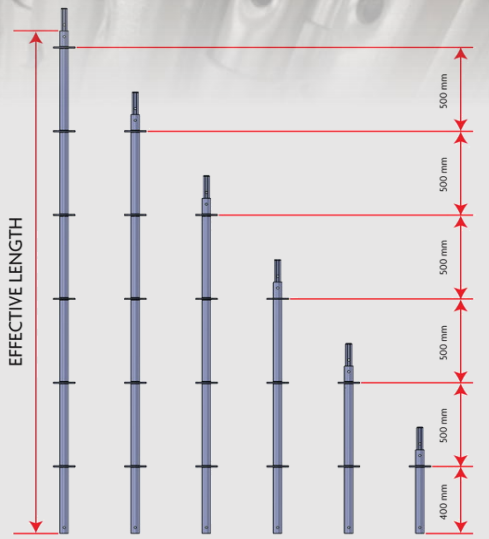
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Ringlock System Basic Components

Standards / Verticals with Spigot

Part No.	Effective Length	Tube Diameter /mm	Tube Thickness /mm	Tube Material
WTRS-345-0.5	0.5m (1 Ring)	48.3	3.2	Steel Q355
WTRS-345-1.0	1.0m (2 Ring)			
WTRS-345-1.5	1.5m (3 Ring)			
WTRS-345-2.0	2.0m (4 Ring)			
WTRS-345-2.5	2.5m (5 Ring)			
WTRS-345-3.0	3.0m (6 Ring)			



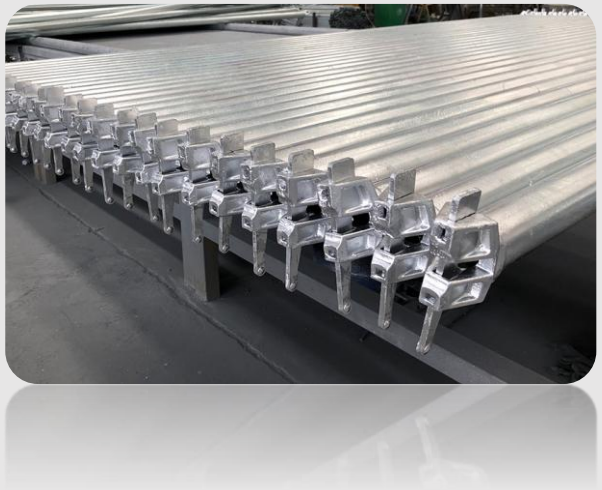


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Ringlock System Basic Components

Ledgers

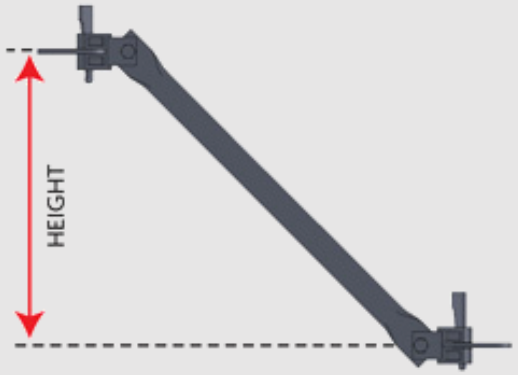


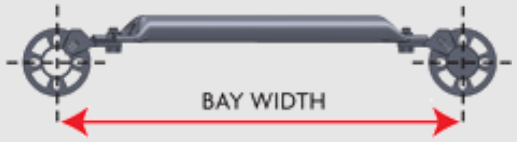


Part No.	Bay Length	Part No.	Bay Length	Part No.	Bay Length
WTRL-345-0.15	0.15m/6"	WTRL-345-0.88	0.88m/2'10 5/8"	WTRL-345-1.52	1.52m/5'
WTRL-345-0.30	0.30m/1'0"	WTRL-345-0.91	0.91m/3'	WTRL-345-1.570	1.570m/5'2"
WTRL-345-0.35	0.35m/1'2"	WTRL-345-1.04	1.04m/3'5"	WTRL-345-1.572	1.572m/5'2"
WTRL-345-0.39	0.39m/1'3"	WTRL-345-1.065	1.065m/3'6"	WTRL-345-1.82	1.82m/6'
WTRL-345-0.45	0.45m/1'6"	WTRL-345-1.09	1.09m/3'7"	WTRL-345-2.07	2.07m/6'10"
WTRL-345-0.60	0.60m/1'11"	WTRL-345-1.15	1.15m/3'10"	WTRL-345-2.13	2.13m/7'
WTRL-345-0.61	0.61m/2'0"	WTRL-345-1.21	1.21m/4'	WTRL-345-2.43	2.43m/8'
WTRL-345-0.65	0.65m/2’2”	WTRL-345-1.30	1.30m/4'3"	WTRL-345-2.57	2.57m/8'6"
WTRL-345-0.73	0.73m/2'5"	WTRL-345-1.32	1.32m/4’4"	WTRL-345-3.05	3.05m/10'
WTRL-345-0.84	0.84m/2' 8-5/8"	WTRL-345-1.40	1.40m/4'7"	WTRL-345-3.07	3.07m/10'1"

Ringlock System Basic Components

Diagonal Braces



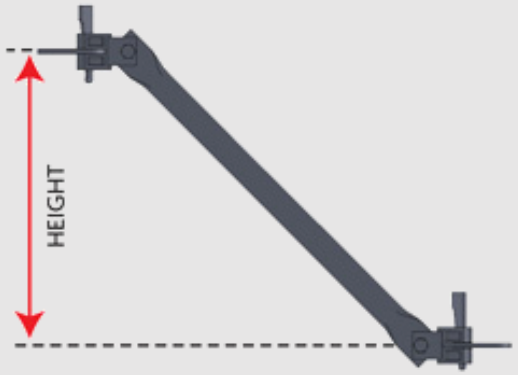


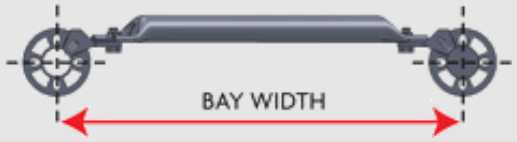


Part No.	Bay width	Lift Height
WTRB-235-2.0/0.60	0.60m/1'11"	2.0m/ 1.5m/ 1.0m
WTRB-235-2.0/0.65	0.65m/2’2”	
WTRB-235-2.0/0.73	0.73m /2'5"	
WTRB-235-2.0/0.84	0.84m/2' 8-5/8"	
WTRB-235-2.0/0.88	0.88 m/2'10 5/8"	
WTRB-235-2.0/0.91	0.91m/3'0"	
WTRB-235-2.0/1.04	1.04m/3'5"	
WTRB-235-2.0/1.065	1.065m/3’6"	
WTRB-235-2.0/1.09	1.09m/3'7"	
WTRB-235-2.0/1.15	1.15m/3'10"	
WTRB-235-2.0/1.21	1.21m/4'0"	

Ringlock System Basic Components

Diagonal Braces







Part No.	Bay width	Lift Height
WTRB-235-2.0/1.40	1.40m/4'7"	2.0m/ 1.5m/ 1.0m
WTRB-235-2.0/1.52	1.52m/5'0"	
WTRB-235-2.0/1.570	1.57m/5'2"	
WTRB-235-2.0/1.572	1.572m/5'2"	
WTRB-235-2.0/1.82	1.82m/6'0"	
WTRB-235-2.0/2.07	2.07m/6'10"	
WTRB-235-2.0/2.13	2.13m/7'0"	
WTRB-235-2.0/2.43	2.43m/8'0	
WTRB-235-2.0/2.57	2.57m/8'6"	
WTRB-235-2.0/3.05	3.05m/10'0"	
WTRB-235-2.0/3.07	3.07m/10'1"	

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Ringlock System Basic Components

Base Collar / Starter



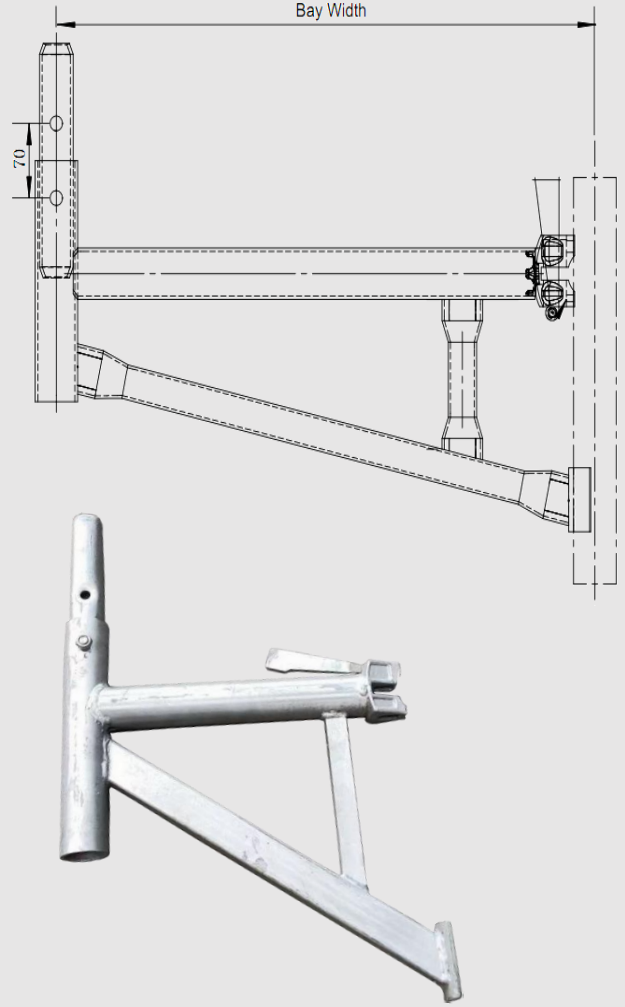
Part No.	Length /m	Tube Diameter /mm	Tube Thickness /mm	Tube Material	Finish
WTRBC-345-304	0.304	48.3 & 60.3	48.3*3.2 60.3*2.5	Steel Q355	Hot dip Galvanizing
WTRBC-345-325	0.325				
WTRBC-345-355	0.355				

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Ringlock System Components

Board Brackets





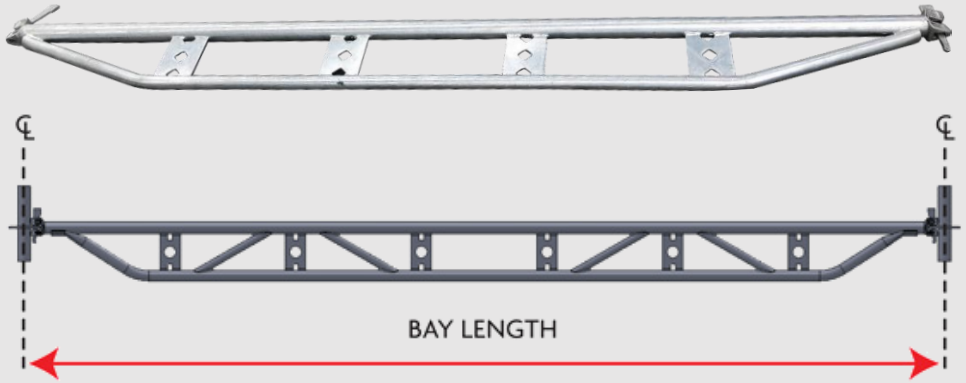
Part No.	Bay Width	Tube Diameter /mm	Tube Thickness /mm	Tube Material	Finish
WTRHP-345-0.31	0.31m/1'0"	48.3	Option1: 3.2mm Option2: 3.0mm	Steel Q355	Hot dip Galvanizing
WTRHP-345-0.39	0.39m/1'3"				
WTRHP-345-0.65	0.65 m/2'2"				
WTRHP-345-0.73	0.73m/2'5"				
WTRHP-345-0.88	0.88 m/2'10 5/8"				
WTRHP-345-1.065	1.065m/3'6"				

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Ringlock System Components

Double Ledgers / Truss Transoms





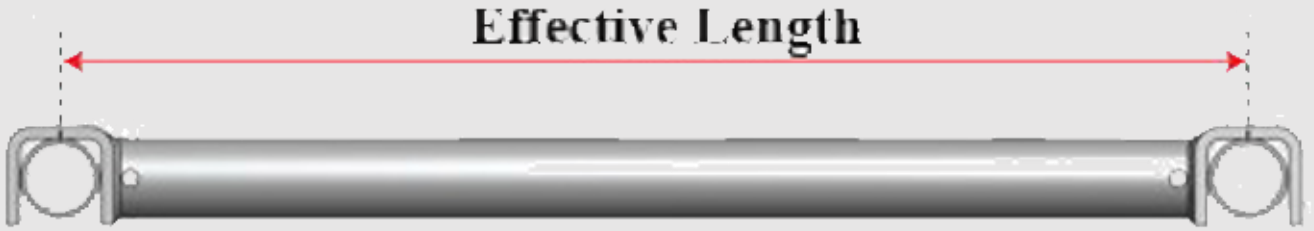
Part No.	Bay Length	Tube Thickness	Tube Material	Finish
WTRTL-345-1.57	1.57m/5'2"	3.2mm	Steel Q355	Hot dip Galvanizing
WTRTL-345-1.82	1.82m/6'			
WTRTL-345-2.07	2.07m/6'10"			
WTRTL-345-2.13	2.13m/7'			
WTRTL-345-2.43	2.43m/8'			
WTRTL-345-2.57	2.57m/8'5"			
WTRTL-345-3.05	3.05m/10'			

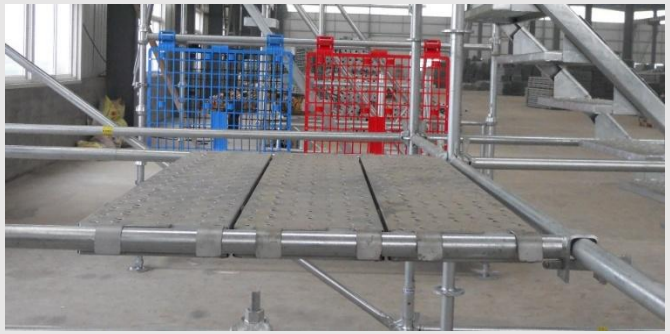
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Ringlock System Components

Mid-Transoms







Part No.	Bay Length	Tube Diameter /mm	Tube Thickness /mm	Tube Material	Finish
WTRMT-345-0.65	0.65m/2’2"	48.3	3.2	Steel Q355	Hot dip Galvanizing
WTRMT-345-1.065	1.065m/3’6"				
WTRMT-345-1.57	1.57m/5'2"				
WTRMT-345-2.13	2.13m/7'				
WTRMT-345-3.05	3.05m/10'				

Ringlock System Components

Guardrail Standard / Post Standard / Crazy Leg









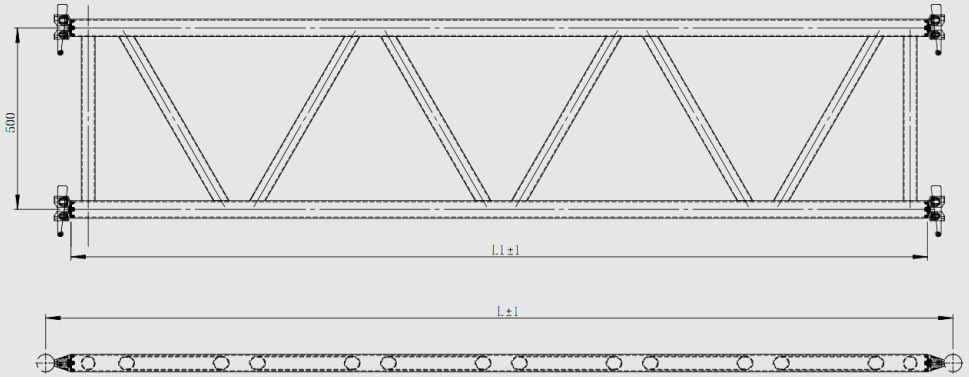
Part No.	Height /m	Tube Diameter /mm	Tube Thickness /mm	Tube Material	Finish
WTRGRS-345-1635	1.635	48.3	3.2mm	Steel Q355	Hot dip Galvanizing

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Ringlock System Components

Lattice Girder







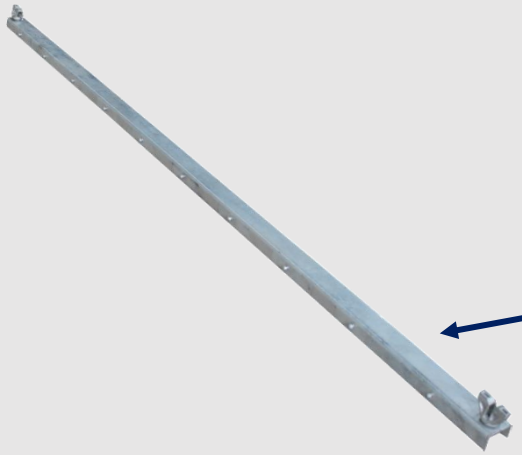
Other lengths available
Customized manufacturing available

Part No.	Bay Length	Tube Diameter /mm	Tube Thickness /mm	Tube Material	Finish
WTRLG-345-4.26	4.26m/14'	48.3	3.2mm	Steel Q355	Hot dip Galvanizing
WTRLG-345-5.17	5.17m/17'				
WTRLG-345-6.39	6.39m/21'				
WTRLG-345-8.52	8.52m/28'				

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Ringlock System Components

Steel Stair Unit - Split Type









Item Name: Stair Stringer

Part No.	Lift H	Bay length
WTRSS-235-2.13	2.0m	2.13m/7'

Remarks:

1 Stair Unit(2m lift) requires 2 Stair Stringers and 10 Stair Treads

Item Name: Stair Tread

Part No.	Bay width
WTRST-235-0.81	0.81m/2”8’
WTRST-235-1.065	1.065m/3’6”
WTRST-235-1.52	1.52m/5’

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Ringlock System Components

Aluminum Alloyed Stair with Handrails

Part No.	Lift Height	Bay Length
WTRAS-2.0/3050	2m	3.05m
WTRAS-2.0/2570	2m	2.57m
WTRAS-1.0/1600	1m	1.6m





Ringlock System Components

Adjustable Screw Jacks

Base Jacks



Part No.	Height /mm	Finish
WTRBJ-235-600H	600	Hot-dip Galvanizing
WTRBJ-235-780H	780	

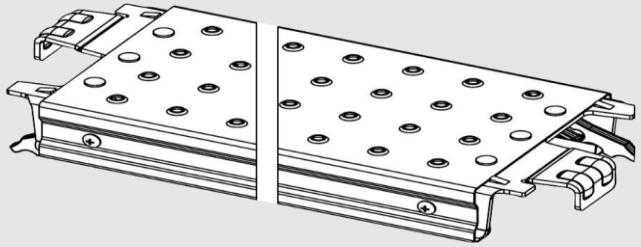


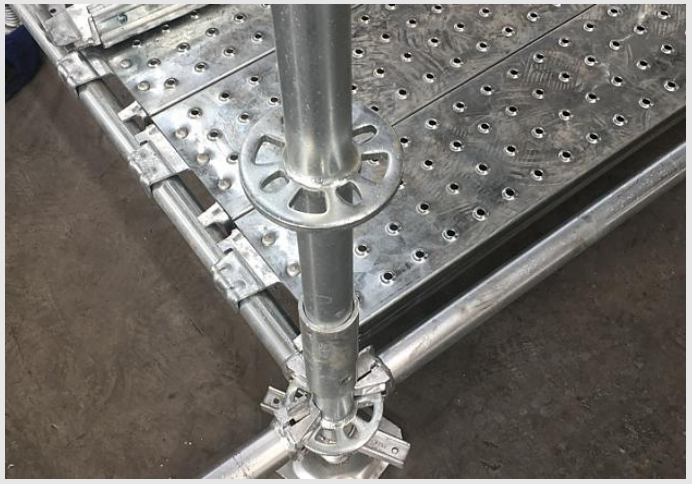
Part No.	Height /mm	Finish
WTRSJ-235-600H	600	Hot-dip Galvanizing
WTRSJ-235-780H	780	

Swivel Jacks

Ringlock System Components

Planks with Hooks - 240





Part No.	Bay Length	Part No.	Bay Length
WTRPO-240-0.60	0.60m/1'11"	WTRPO-240-1.30	1.30m/4'3''
WTRPO-240-0.65	0.65m/2'2"	WTRPO-240-1.52	1.52m/5'
WTRPO-240-0.84	0.84m/2'8 5/8"	WTRPO-240-1.57	1.57m/5'2"
WTRPO-240-0.88	0.88m/2'10	WTRPO-240-1.82	1.82m/6'
WTRPO-240-0.91	0.91m/3'	WTRPO-240-2.13	2.13m/7'
WTRPO-240-1.065	1.065m/3'6"	WTRPO-240-2.43	2.43m/8'
WTRPO-240-1.09	1.09m/3'10"	WTRPO-240-2.57	2.57m/8'6''
WTRPO-240-1.15	1.15m/3'10"	WTRPO-240-3.05	3.05m/10'
WTRPO-240-1.21	1.21m/4'	WTRPO-240-3.07	3.07m/10'1"

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Ringlock System Components

Planks with Hooks - 320

Part No.	Bay Length	Part No.	Bay Length
WTRPO-320-0.60	0.60m/1'11"	WTRPO-320-1.30	1.30m/4'3''
WTRPO-320-0.65	0.65m/2'2"	WTRPO-320-1.52	1.52m/5'
WTRPO-320-0.84	0.84m/2'8 5/8"	WTRPO-320-1.57	1.57m/5'2"
WTRPO-320-0.88	0.88m/2'10	WTRPO-320-1.82	1.82m/6'
WTRPO-320-0.91	0.91m/3'	WTRPO-320-2.13	2.13m/7'
WTRPO-320-1.065	1.065m/3'6"	WTRPO-320-2.43	2.43m/8'
WTRPO-320-1.09	1.09m/3'10"	WTRPO-320-2.57	2.57m/8'6''
WTRPO-320-1.15	1.15m/3'10"	WTRPO-320-3.05	3.05m/10'
WTRPO-320-1.21	1.21m/4'	WTRPO-320-3.07	3.07m/10'1"





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Ringlock System Components

Toe Boards



Part No.	Bay Length	Part No.	Bay Length	Thickness
WTRTB-235-0.35PRE	0.35m/1'2"	WTRTB-235-1.21PRE	1.21m/4'	1.5mm
WTRTB-235-0.60PRE	0.596m/1'11"	WTRTB-235-1.30PRE	1.30m/4'3"	
WTRTB-235-0.61PRE	0.61m/1'11"	WTRTB-235-1.52PRE	1.52m/5'1"	
WTRTB-235-0.65PRE	0.65m/2'2"	WTRTB-235-1.57PRE	1.57m/5'2"	
WTRTB-235-0.84PRE	0.84m/2' 8-5/8"	WTRTB-235-1.82PRE	1.82m/6'	
WTRTB-235-0.88PRE	0.88m/2’10-5/8"	WTRTB-235-2.13PRE	2.13m/7'0"	
WTRTB-235-0.91PRE	0.91m/3'	WTRTB-235-2.43PRE	2.43m/8'	
WTRTB-235-1.065PRE	1.065m/3'6"	WTRTB-235-2.57PRE	2.57m/8'6''	
WTRTB-235-1.09PRE	1.09m/3'7"	WTRTB-235-3.05PRE	3.05m/10'	
WTRTB-235-1.15PRE	1.15m/3’10"	WTRTB-235-3.07PRE	3.07m/10'1"	

Packaging & Delivery



Steel Pallets



Steel Pallet



Steel Cage Pallets



Steel Cage Pallet



Delivery in Truck



Delivery in Container



Delivery in Container



Delivery in Container

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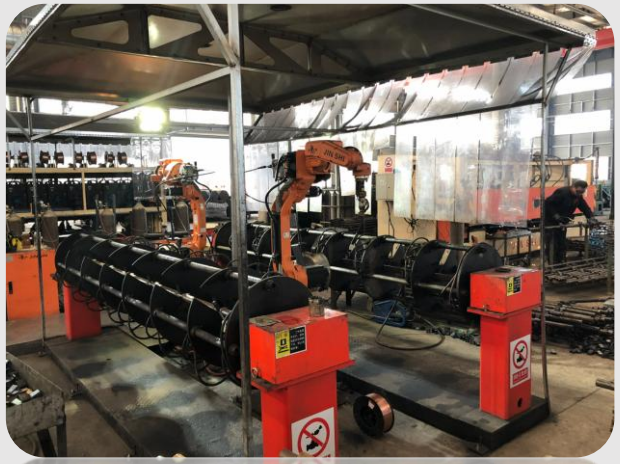
Production Lines & Workshops



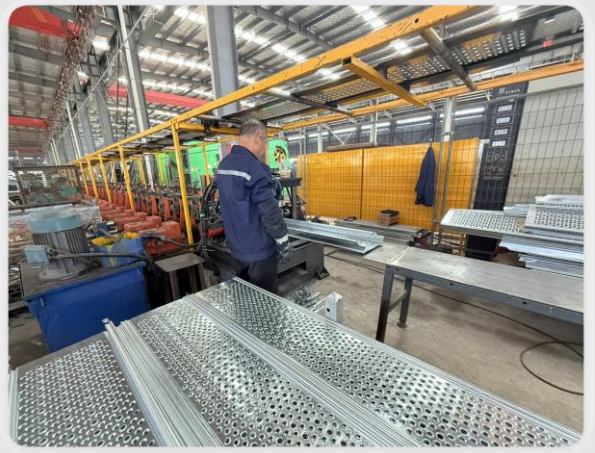
Workshop



Punching Line



Robot Welding



Plank Punching & Rolling Line



Automated Welding



Loading Capacity Tester



Hot Dip Galvanizing



Packaging

WANCHENG TAI

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Certificates



SGS

TEST REPORT

No. : SHCCM160602132
Date : Jul. 12, 2016
Page: 1 of 13

QINGDAO JINGCHENGHUI MACHINERY AND TECHNOLOGY CO., LTD.
XIAOXIZHUANG VILLAGE, JIAODONG STREET OFFICE, JIAOZHOU, QINGDAO, CHINA

The following sample(s) was/ were submitted and identified on behalf of the client as:

Sample Name	:	RINGLOCK SCAFFOLDING
Sample Number	:	SHCCM160602132
Test Required	:	Please see the next page(s)
Test Standard	:	Please see the next page(s)
Product or Lot No.	:	JCH20160328
Manufacturer	:	QINGDAO JINGCHENGHUI MACHINERY AND TECHNOLOGY CO., LTD.
Date of Receipt	:	Jun. 06, 2016
Test Period	:	Jun. 06, 2016 to Jul. 12, 2016
Test result(s)	:	For further details, please refer to the following page(s)

"""""""" To be continued""""""""

Signed for SGS-CSTC Standards
Technical Services (Shanghai) Co., Ltd.

Tiffany Liu
Authorized signatory

ANSI/SSFI SC100

Test Certificate



ZERTIFIKAT ◆ CERTIFICATE ◆ 認証証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

PCA

TÜV SÜD

CERTIFICATE
No. TSP-3834-965.01

Company

SHANDONG JINGCHENGHUI MACHINERY AND TECHNOLOGY CO., LTD.
Yujia Guanzhuang, Wulian County, Rizhao City, Shandong Province, 262300 Yuli Town, P. R. China

With production plants

SHANDONG JINGCHENGHUI MACHINERY AND TECHNOLOGY CO., LTD.
Yujia Guanzhuang, Wulian County, Rizhao City, Shandong Province, 262300 Yuli Town, P. R. China

fulfils the **quality requirements for fusion welding processes** acc.

EN ISO 3834-2:2021

The range of approval is presented in the Annex.

The period of validity of certificate: from 19.06.2024 to 18.06.2029

Next surveillance audit until **12.06.2027** under the pain of expiry of the certificate.

Warsaw, date 11.06.2025

Ewelina Czerwonka
Director of Certification Centre

TÜV SÜD Polska Sp. z o.o.
Centrum Certyfikacji

TÜV SÜD Polska Sp. z o.o.
ul. Podwale 17
00 – 252 Warszawa

www.tuvsud.com/pl-pl

TÜV®

EN-ISO 3834 Certificate



ZERTIFIKAT ◆ CERTIFICATE ◆ 認証証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

PCA

TÜV SÜD

TÜV SÜD POLSKA Sp. z o.o.
ul. Podwale 17
00-252 WARSZAWA
NOTIFIED BODY No. 2527

CERTIFICATE OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL

No. 2527-CPR-1A.652.02

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

STEEL STRUCTURAL COMPONENTS

welded execution class up to EXC3 according to
EN 1090-2:2018+A1:2024
conformity declaration method: 1, 3a according to EN 1090-1:2009+A1:2011
declared performance characteristics proved by the manufacturer on the basis of:
initial type testing (ITT)
placed on the market under the name or trade mark of:

SHANDONG JINGCHENGHUI MACHINERY AND TECHNOLOGY CO., LTD.
Yujia Guanzhuang, Wulian County, Rizhao City, Shandong Province, 262300 Yuli Town, P. R. China

and produced in the manufacturing plant:

SHANDONG JINGCHENGHUI MACHINERY AND TECHNOLOGY CO., LTD.
Yujia Guanzhuang, Wulian County, Rizhao City, Shandong Province, 262300 Yuli Town, P. R. China

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard (-s):

EN 1090-1:2009+A1:2011

under system 2+ are applied and that

the factory production control is assessed to be in conformity with the applicable requirements.

This certificate was first issued on **19.06.2024** and will remain valid as long as neither the harmonized standard, the construction product, the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified factory production control certification body.

Next surveillance audit until **12.06.2028** under the pain of expiry of the certificate.

Warsaw, date 19th of June 2026

TÜV SÜD Polska Sp. z o.o. 25 27 Notified Body

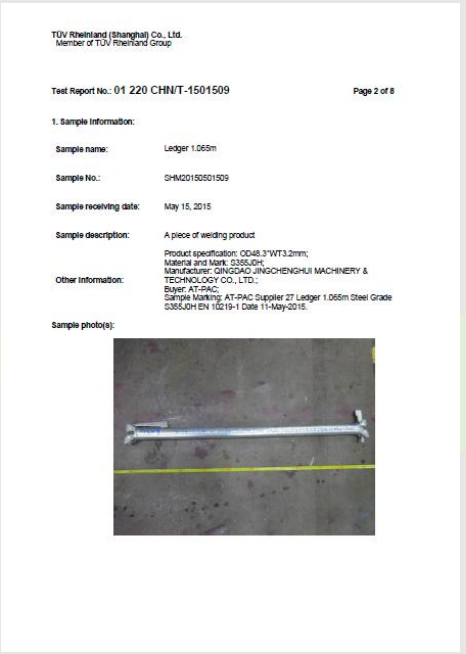
Ewelina Czerwonka
Director of Certification Centre

The validity of the certificate can be verified through the QR-code or under:
https://certyfikaty.tuv-sud.pl/certyfikaty_wyroby/

(PR06-P03-1090 issue 7)

TÜV®

EN 1090 Certificate



TÜV Rheinland (Shanghai) Co., Ltd.
Member of TÜV Rheinland Group

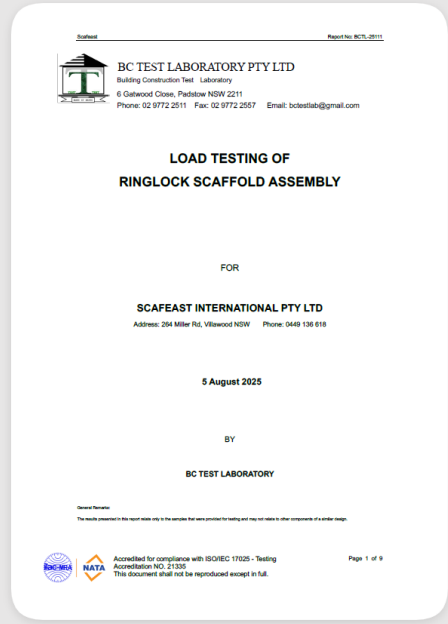
Test Report No.: 01 220 CHN/T-1501509 Page 2 of 8

1. Sample Information:

Sample name:	Ledger 1.065m
Sample No.:	SHM20150501509
Sample receiving date:	May 15, 2015
Sample description:	A piece of welding product
Other information:	Product specification: OD48.3*WT3.2mm; Material and Mark: S355JDH; Manufacturer: QINGDAO JINGCHENGHUI MACHINERY & TECHNOLOGY CO., LTD.; Buyer: AT-PAC; Sample Marking: AT-PAC Supplier 27 Ledger 1.065m Steel Grade S355JDH EN 10219-1 Date 11-May-2015.

Sample photo(s):

TUV Test Report of Ringlock Ledger



Scaffeast Report No: BCTL-25111

BC TEST LABORATORY PTY LTD
Building Construction Test Laboratory
6 Getwood Close, Padstow NSW 2211
Phone: 02 9772 2511 Fax: 02 9772 2557 Email: bctestlab@gmail.com

LOAD TESTING OF RINGLOCK SCAFFOLD ASSEMBLY

FOR

SCAFEAST INTERNATIONAL PTY LTD
Address: 264 Miller Rd, Villawood NSW Phone: 0449 136 618

5 August 2025

BY

BC TEST LABORATORY

General Remarks

The results presented in this report relate only to the samples that were provided for testing and may not relate to other components of a similar design.

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Accreditation NO. 21335
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AS/NZS 1576 Test Certificate

Qingdao WanchengTai International Trading Co., Ltd.
Shandong JingChengHui Machinery Technology Co., Ltd.

Contacting

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China

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Website

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