Shandong JingChengHui Machinery Technology Co., Ltd.

WANCHENG TAI

WanchengTai Scaffoldings

Scaffolding System Brochure



WANCHENG TAI

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Cuplock Scaffolding System Advantages

- The locking system is designed to reduce any chances of accidents, the joints of bars adopt cuplock jointing, which is very reliable, resulting in high-performance scaffolding structure. It is perceived as among the safest system available at present;
- Up to four components can be connected in one single action with cuplock scaffolding, meaning you can do your job much faster. The positions which used to require tube and clamps can be completed in one-third the time with Cuplock scaffolding ;
- With cuplock, there are no nuts, bolts, or wedges to fasten the horizontals! In addition, there are also no small parts which could easily be lost or damaged! And using this type of system is tried, tested, and recommended;
- It can be erected circularly so that it can cover the corner or other irregular shape of buildings easily;
- It is straightforward to transport, and it also requires less space for storage and its life is much longer than other less reliable types of scaffolding

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WanchengTai Scaffolding Advantages

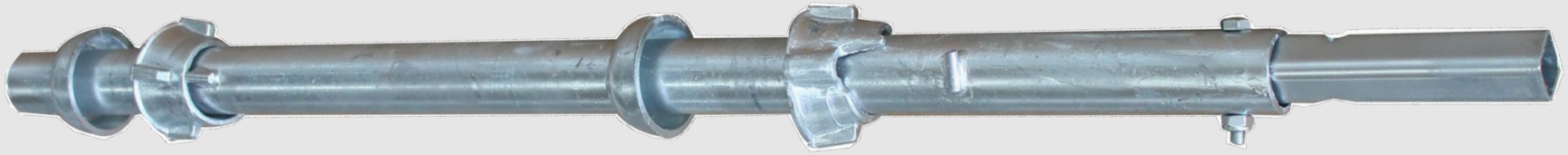
- Rich Experience in manufacturing: 21 years;
- Advanced Production Lines: Auto Welding lines(including welding robot), Auto Plank Rolling lines, Auto Thread Rolling lines;
- Huge Production Capacity: Up to 1200 tons/month, 50000m2 for production, having own hot-dip galvanizing workshop, 200+ workers;
- 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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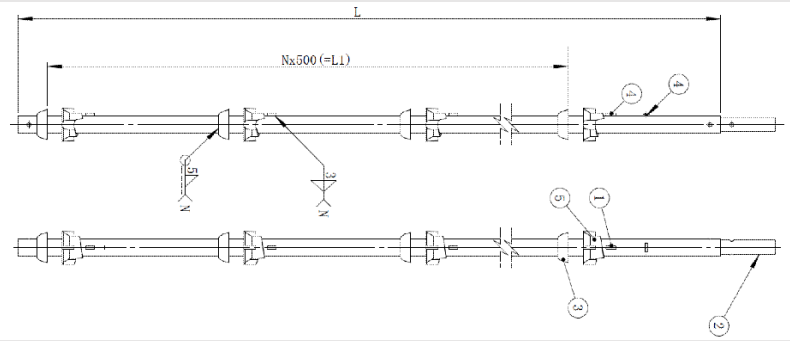
Cuplock System Basic Components

Standards / Verticals with Spigot





Part No.	Effective Length /m	Tube Diameter /mm	Tube Thickness /mm	Tube Material	Surface
WTCS-345-05	0.5	48.3	3.2	Steel Q345 (Equal to Steel 16Mn)	Option 1: Painting Option 2: Hot-dip Galvanizing
WTCS-345-10	1.0				
WTCS-345-15	1.5				
WTCS-345-20	2.0				
WTCS-345-25	2.5				
WTCS-345-30	3.0				



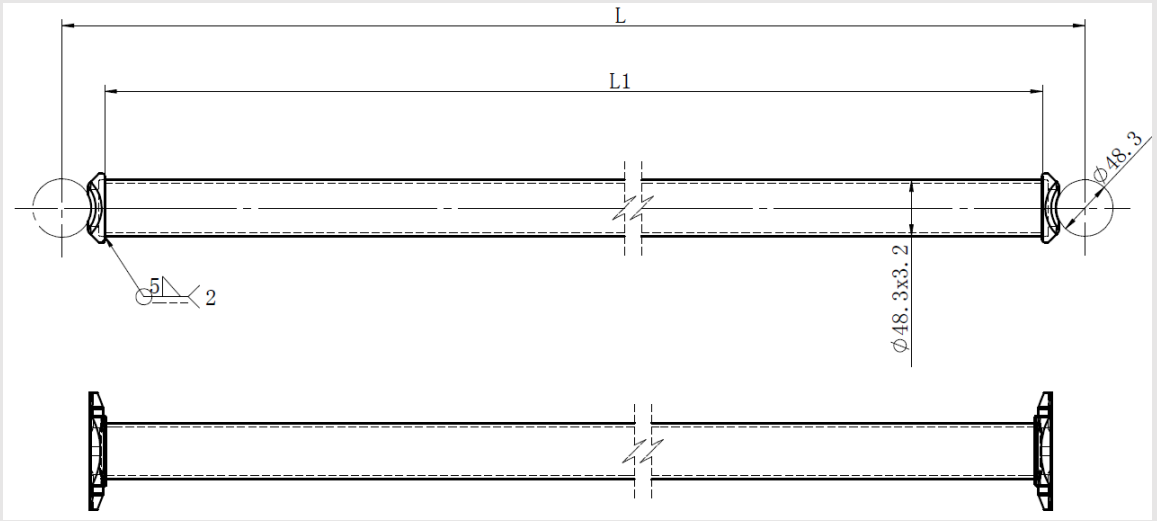
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Cuplock System Basic Components

Ledgers



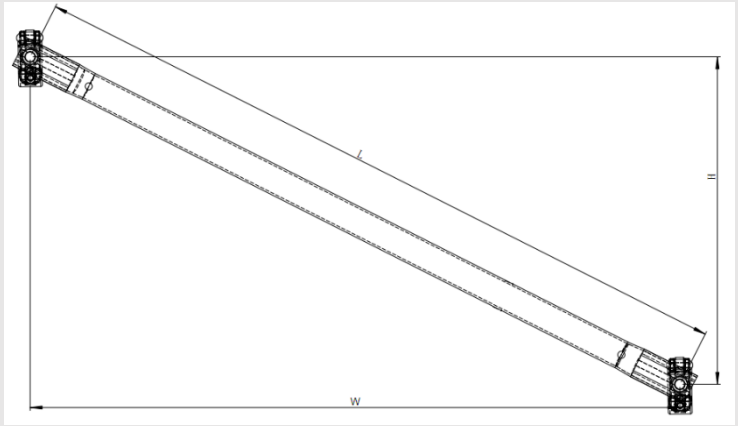


Part No.	Bay Length /m	Tube Diameter /mm	Tube Thickness /mm	Tube Material	Surface
WTCL-235-600	0.6	48.3	3.2mm	Steel Q235 (Equal to Steel St.37)	Option 1: Painting Option 2: Hot-dip Galvanizing
WTCL-235-1250	1.25				
WTCL-235-1800	1.8				
WTCL-235-2500	2.5				
WTCL-235-3000	3.0				

Cuplock System Basic Components

Diagonal Braces





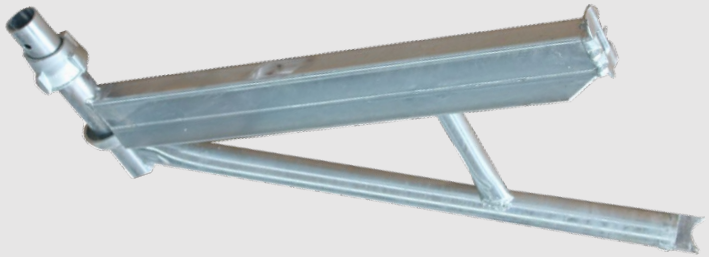


Part No.	Total Length /mm	Tube Diameter /mm	Tube Thickness /mm	Tube Material	Surface
WTCB-235-2393	2393	48.3	2.5mm	Steel Q235 (Equal to Steel St.37)	Option 1: Painting Option 2: Hot-dip Galvanizing
WTCB-235-2741	2741				
WTCB-235-3251	3251				
WTCB-235-3404	3404				
WTCB-235-3656	3656				

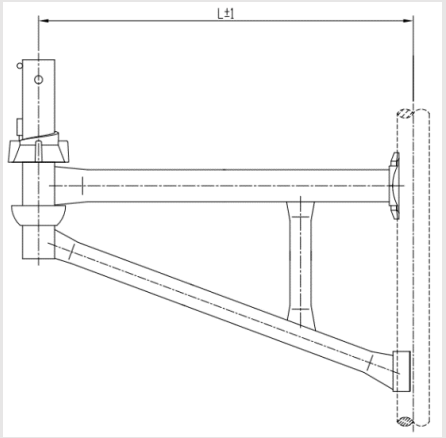
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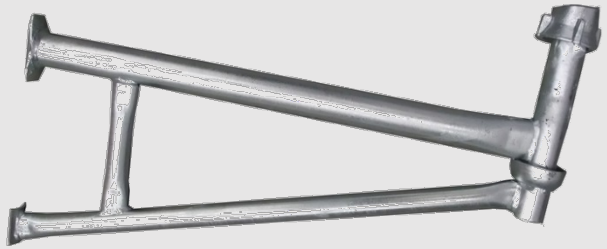
Cuplock System Components

Board Brackets









Part No.	Bay Width /m		Tube Diameter /mm	Tube Thickness /mm	Tube Material	Surface
WTCHPO-296	0.2958	O Type	48.3	3.0	Steel Q235 (Equal to Steel St.37)	Option 1: Painting Option 2: Hot dip Galvanizing
WTCHPO-565	0.565					
WTCHPO-750	0.75					
WTCHPΩ-291	0.291	Omega Type	-	3.0		
WTCHPΩ-565	0.565					
WTCHPΩ-795	0.795					



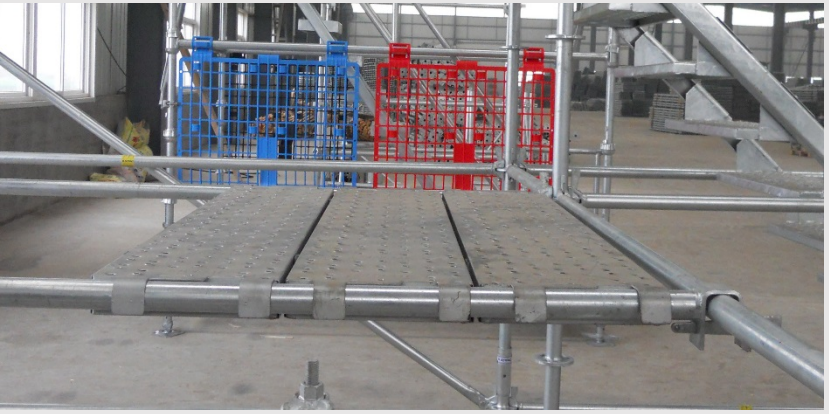
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Cuplock System Components

Mid-Transoms







Part No.	Bay Length /m	Tube Diameter /mm	Tube Thickness /mm	Tube Material	Surface
WTCMT-235-600	0.6	48.3	3.2	Steel Q235 (Equal to Steel St.37)	Option 1: Painting Option 2: Hot dip Galvanizing
WTCMT-235-1250	1.25				
WTCMT-235-1800	1.8				
WTCMT-235-2500	2.5				
WTCMT-235-3000	3.0				

Cuplock System Components

Scaffolding Stairs Integrated type - Steel

Item Name: Stair Handrails

Part No.	Rail Length	Assemly length	Material
WTSTHR-2651	2651mm	1648mm	Steel Q235 /S235JR
WTSTHR-2563	2563mm	1648mm	

Item Name: Stair body

Part No.	Bay Length	Lift Height	Width	Material
WTST-2500	2.5m	2.0m	500mm	Steel Q235 /S235JR



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Cuplock System Components

Scaffolding Stairs Integrated type - Aluminum









Item Name: Stair body

Part No.	Bay Length	Lift H	Width	Material
WTSTAL-2500	2.5m	2.0m	596mm	Aluminum Alloy
WTSTAL-3050	3.05m	2.0m	590mm	

Item Name: Stair Handrail

Part No.	Rail Length	Assembly length	Material
WTSTAH.1860	1860mm	1451mm	Aluminum Alloy

Cuplock System Components

Scaffolding Base Plate



Part No.	Tube Spec.	Base Spec.
WTRBP-235-H	Φ35*126mm	150*150*5 mm

Cuplock System Components

Scaffolding Jacks

Base Jacks



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

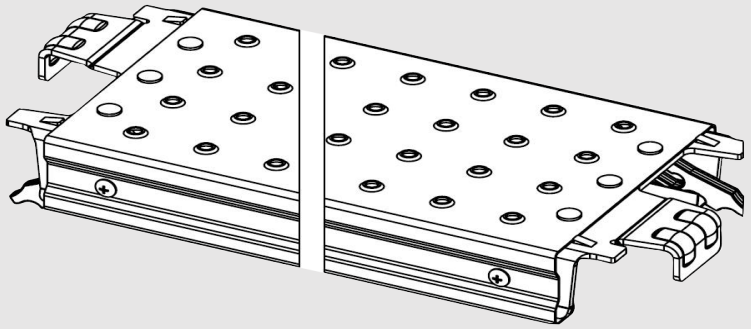


Part No.	Height /mm	Surface
WTRSJ-235-600H	600	Hot-dip Galvanizing
WTRSJ-235-780H	780	

Swivel Jacks

Cuplock System Components

Scaffolding Planks with Hooks - 240





Part No.	Bay Length	Width	Height	Thickness	Surface
WTRPO-240-0.65H	0.65m/2'2"	238mm	70mm	1.5mm	Hot-dip Galvanizing
WTRPO-240-0.88H	0.88m/2'10				
WTRPO-240-0.91H	0.91m/3'				
WTRPO-240-1.065H	1.065m/3'6"				
WTRPO-240-1.15H	1.15m/3'10"				
WTRPO-240-1.21H	1.21m/4'				
WTRPO-240-1.52H	1.52m/5'				
WTRPO-240-1.57H	1.57m/5'2"				
WTRPO-240-1.82H	1.82m/6'				
WTRPO-240-2.13H	2.13m/7'				
WTRPO-240-2.43H	2.43m/8'				
WTRPO-240-3.05H	3.05m/10'				

Cuplock System Components

Scaffolding Planks with Hooks - 320

Part No.	Bay Length	Width	Height	Thickness	Surface
WTRPO-320-0.73H	0.73m/2'5"	320mm	76mm	1.5mm	Hot-dip Galvanizing
WTRPO-320-1.04H	1.04/3'5"				
WTRPO-320-1.09H	1.09m/3'7"				
WTRPO-320-1.40H	1.40m/4'7"				
WTRPO-320-1.57H	1.57m/5'2"				
WTRPO-320-2.07H	2.07m/6'10"				
WTRPO-320-2.57H	2.57m/8'5"				
WTRPO-320-3.07H	3.07m/10'1"				





Cuplock System Components

Scaffolding Toe Boards



Part No.	Bay Length	Width	Height	Thickness	Surface
WTRTB-235-0.88PRE	0.88m/2'10"	152.4 mm	63.5mm	1.5mm	Pre-Galvanizing
WTRTB-235-0.91PRE	0.91m/3'				
WTRTB-235-1.065PRE	1.065m/3'6"				
WTRTB-235-1.15PRE	1.15m/3'9"				
WTRTB-235-1.21PRE	1.21m/4'				
WTRTB-235-1.52PRE	1.52m/5'1"				
WTRTB-235-1.57PRE	1.57m/5'2"				
WTRTB-235-1.82PRE	1.82m/6'				
WTRTB-235-2.13PRE	2.13m/7'0"				
WTRTB-235-2.43PRE	2.43m/8'				
WTRTB-235-3.05PRE	3.05m/10'				

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Packing & 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 1



Big Punching Line



Small Punching Line



Plank Punching & Rolling Line



Welding Workshop 2



Thread Rolling Line



Hot Dip Galvanizing Workshop

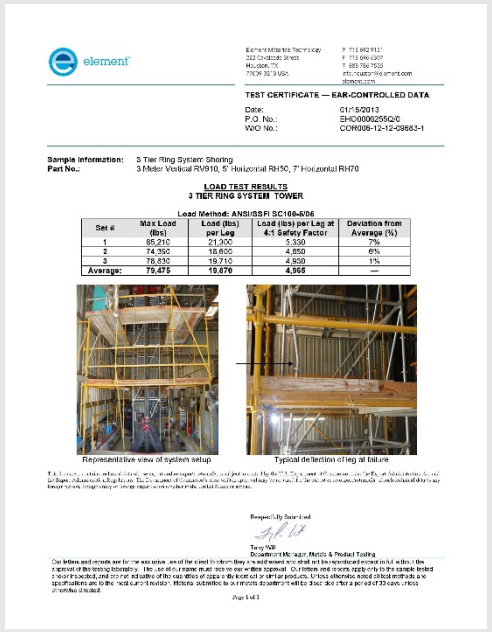


Warehouse 1

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Certificates



element

TEST CERTIFICATE — EAR-CONTROLLED DATA

Date: 01/15/2013
P.O. No.: EHC0000255Q/0
WO No.: COW005-12-12-09883-1

Sample information: 5 Tier Ring System Shoring
Part No.: 3 Meter Vertical RV910, 5' Horizontal RH50, 7' Horizontal RH70

LOAD TEST RESULTS
3 TIER RING SYSTEM TOWER

Load Method: ANSI/SSFI SC100-5/06

Set #	Max Load (lbs)	Load (lbs) per Leg	Load (lbs) per Leg at 4:1 Safety Factor	Deviation from Average (%)
1	85,210	21,300	5,330	7%
2	74,390	18,600	4,650	6%
3	78,830	19,710	4,930	1%
Average:	79,475	19,870	4,965	—

Representative view of system setup

Typical deflection of leg at failure

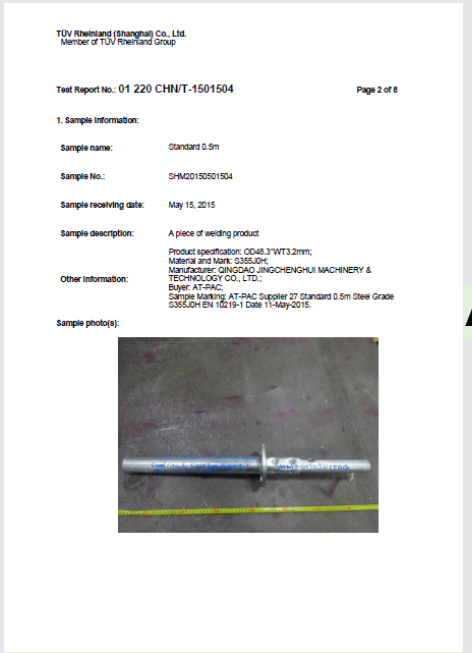
Respectfully Submitted

Tony Will
Department Manager, Metals & Product Testing

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ANSI/SSFI SC100

Test Certificate



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

Test Report No.: 01 220 CHN/T-1501504 Page 2 of 8

1. Sample Information:

Sample name: Standard 0.5m

Sample No.: SHM20150501504

Sample receiving date: May 15, 2015

Sample description: A piece of welding product

Other information: Product specification: OD48.3*WT3.2mm;
Material and Mark: S355J0H;
Manufacturer: QINGDAO JINGCHENGHUI MACHINERY & TECHNOLOGY CO., LTD.;
Buyer: AT-PAC;
Sample Marking: AT-PAC Supplier 27 Standard 0.5m Steel Grade S355J0H EN 10219-1 Date 11-May-2015.

Sample photo(s):

TUV Test Report of Ringlock Standard



AT-PAC ROSWELL S.A.R.L./LTD. PCT

Qualified Supplier Certificate

This is to certify that

QINGDAO JINGCHENGHUI MACHINERY AND TECHNOLOGY CO., LTD

has passed

AT-PAC ABC SUPPLIER QUALITY ASSURANCE SYSTEM

audits from Part 1 to Part 8, and attained

overall Grade B

Certificate No: 2015-01
Date of Issue: 20 Jan. 2015
Certificate Expiry: 19 Jul. 2015

At-Pac Certified Supplier



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

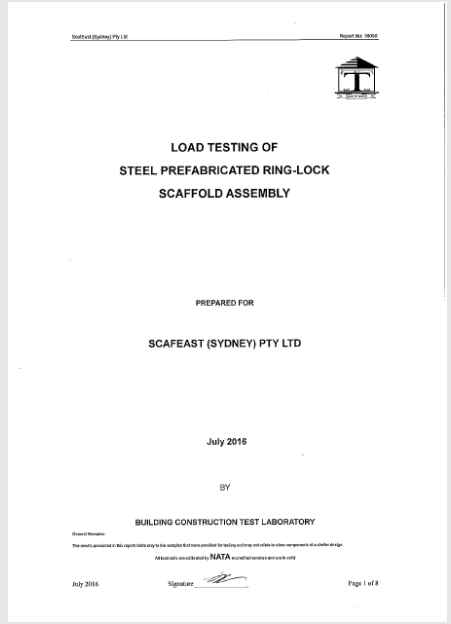
Sample receiving date: May 15, 2015

Sample description: A piece of welding product

Other information: Product specification: OD48.3*WT3.2mm;
Material and Mark: S355J0H;
Manufacturer: QINGDAO JINGCHENGHUI MACHINERY & TECHNOLOGY CO., LTD.;
Buyer: AT-PAC;
Sample Marking: AT-PAC Supplier 27 Ledger 1.065m Steel Grade S355J0H EN 10219-1 Date 11-May-2015.

Sample photo(s):

TUV Test Report of Ringlock Ledger



Scaffold (Sydney) Pty Ltd Report No. 16000

LOAD TESTING OF
STEEL PREFABRICATED RING-LOCK
SCAFFOLD ASSEMBLY

PREPARED FOR

SCAFEAST (SYDNEY) PTY LTD

July 2016

BY

BUILDING CONSTRUCTION TEST LABORATORY

July 2016 Signature Page 1 of 8

AS/NZS 1576

Test Certificate

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

Contacting

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Shandong Province,
China

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Alibaba store: https://jingchenghui.en.alibaba.com

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