2027

PRODUCT CATALOGUE

An extensive range of scaffold systems available for sale & hire with tailor-made design and technical services provided



CANYON 全源通架工程有限公司
CANYON METAL SCAFFOLDING ENGINEERING LTD.

INNOVATIVE PROFESSIONAL QUALITY SAFE INTEGRITY

COMPANY INTRODUCTION

CANYON DEVELOPMENT LTD was established in 1985.
CANYON METAL SCAFFOLDING ENGINEERING LTD was established in 2005 and has been certified per ISO 9001 from HKQAA.
Our core business provides a wide variety of metal scaffolding equipment, steel falsework and formwork system. We are proud to be one of the pioneers in metal scaffolding in Hong Kong, encompassing the spirit of professionalism and reliability, as well as participation in most of the huge formwork and scaffolding projects in the territory.

ISO 9001 : 2015
Certificate No.: CC 3295
The product is manufactured under a HKQAA ISO9001 certified QMS.


Lift Installation


Protection Cover


Alterations & Additions Works


Asbestos Removal


Chimney Maintenance


Bridge Column Maintenance


Vehicular Opening


Repropping


Falsework

Website : http://www.canyonhk.com Tel : (852) 2885 9633 Fax : (852) 2567 1611 Email : general@canyonhk.com

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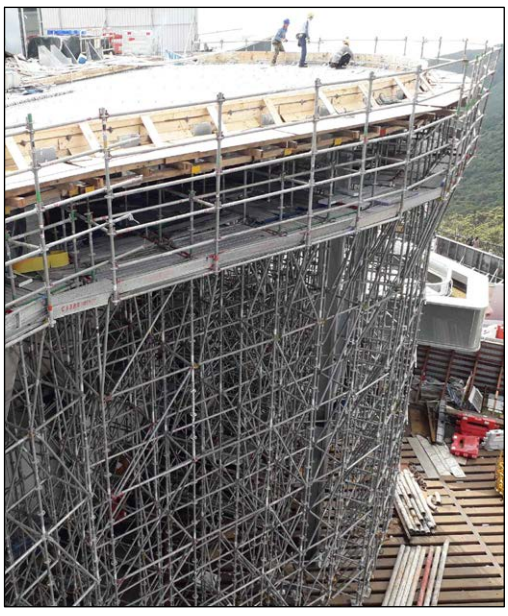
RINGLOCK SCAFFOLD
碟型組合通架

FUNCTIONAL DESIGN WITH SIMPLICITY OF CONNECTION

The Ringlock system has been designed and developed to meet the requirements of the Hong Kong construction and housing industries. Ringlock principal design features include:

- Efficiency of assembly
- Versatility of application
- Low maintenance required to keep in top working condition
- Simplicity of components and their connection
- Galvanized components improve corrosion resistance
- No special tools required for assembly (hammer and spirit level only)





PROVEN DESIGN WITH SAFETY ACCESSORIES

The RINGLOCK system has a proven performance history on an extensive number of sites, meeting the requirements of various statutory bodies. A full range of accessories is available to cater for safety requirements such as guardrails, catwalk, ladder and staircase access and components to provide overhead protection.

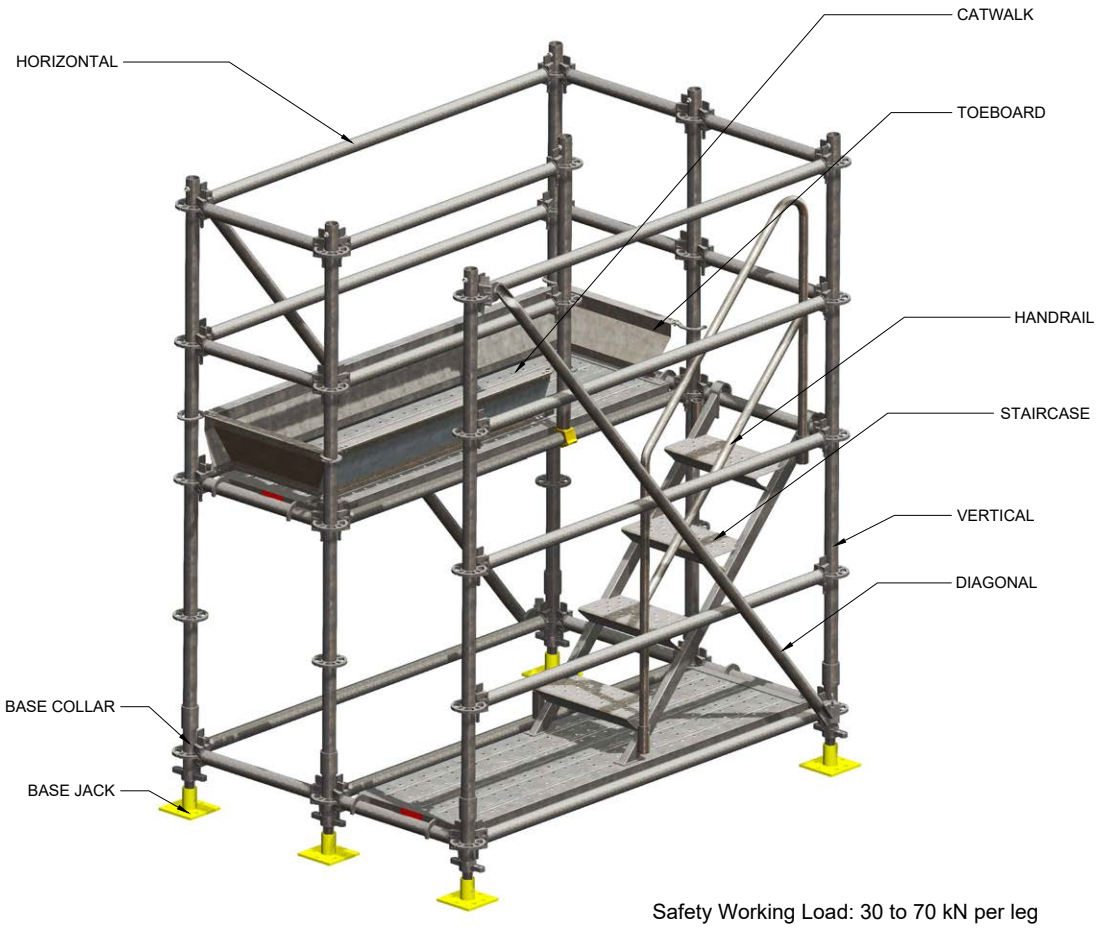


EFFICIENT & UNIQUE CONNECTION METHOD

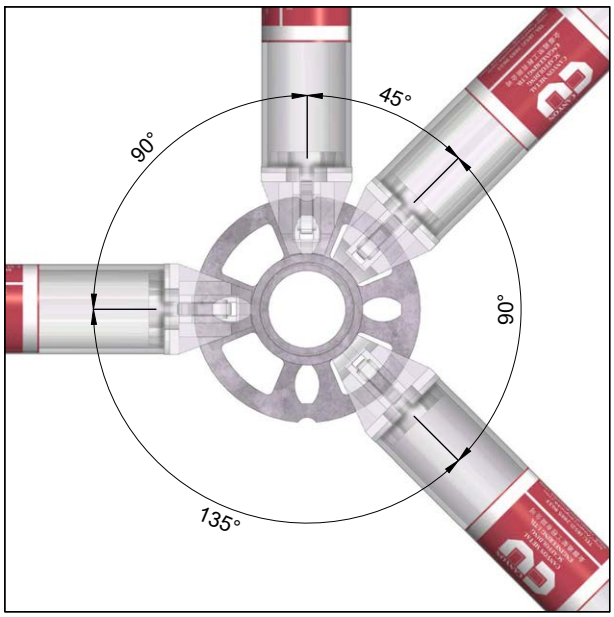
- Robust rosettes on Ringlock Verticals allow for horizontal and diagonal components to attach
- Rosette design allows different scaffold designs to go around different curved or angled structures
- Systemized diagonal bracing design reduces overall costs
- No additional loose parts required to join components when using Ringlock scaffold system

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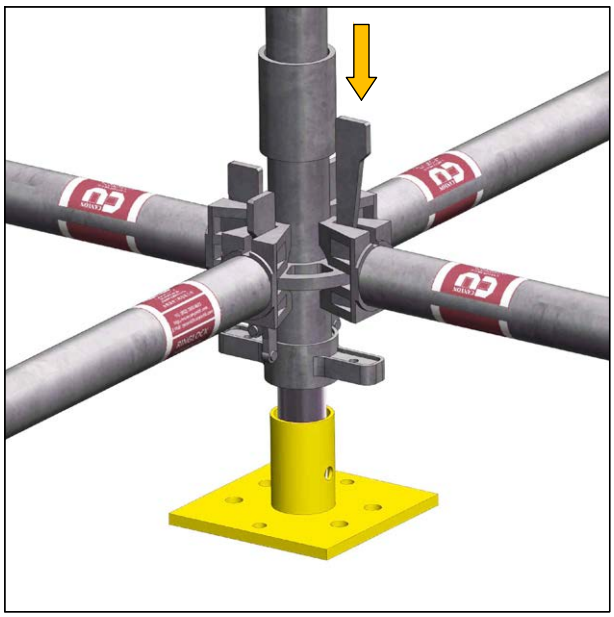
TYPICAL RINGLOCK WORKING PLATFORM



Safety Working Load: 30 to 70 kN per leg
F.O.S. = 1.65 (Refer to Page 1-5)
Note: Depends on different horizontal member's vertical spacing.



Flexibility of eight positions around the rosette, alternating between smaller and wider openings.



Insert the wedge into the holes to hold its location.

Ringlock Junction Point

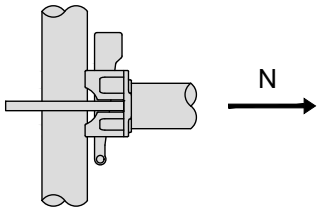
The following values for Ringlock junction specifications are per the HOKLAS testing results.

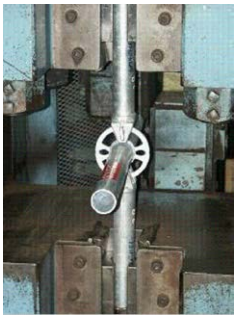
NORMAL FORCE

Load on the connecting rosette and the wedge lock by tensile and compressive forces (longitudinal forces) along the axis of the horizontal member.

Permissible N = ± 31.80 kN

(Breaking load as 63.60 kN)





VERTICAL SHEAR FORCE

Acting on the horizontal members of the junction and on the connecting rosettes.

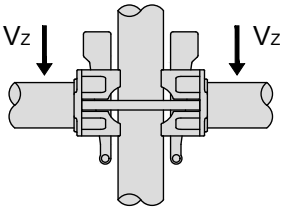
Permissible Qv = + 16.92 kN

(Breaking load as 33.84 kN)

Maximum Total Qv total junction

= 4 X 16.92 kN

= 67.68 kN



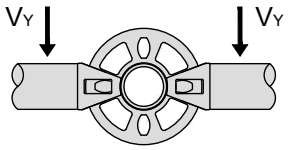


HORIZONTAL SHEAR FORCE

Acting on the junctions together with the connecting rosette and the connecting horizontal member.

Permissible Qh = ± 8.425 kN

(Breaking load as 16.85 kN)



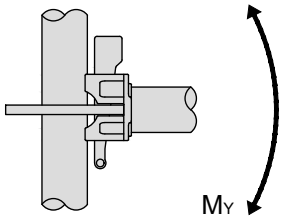


CONNECTION MOMENT

Acting on the Ringlock Junctions

Permissible M = ± 0.91 kNm.

(Max. design testing load 1.82 kNm)



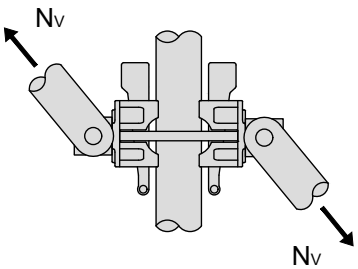


AXIAL FORCE, DIAGONAL BRACE

Acting on the junction connecting rosette/diagonal through tensile and compressive forces.

Permissible D = ± 15.75 kN

(Breaking Load as 31.50 kN)





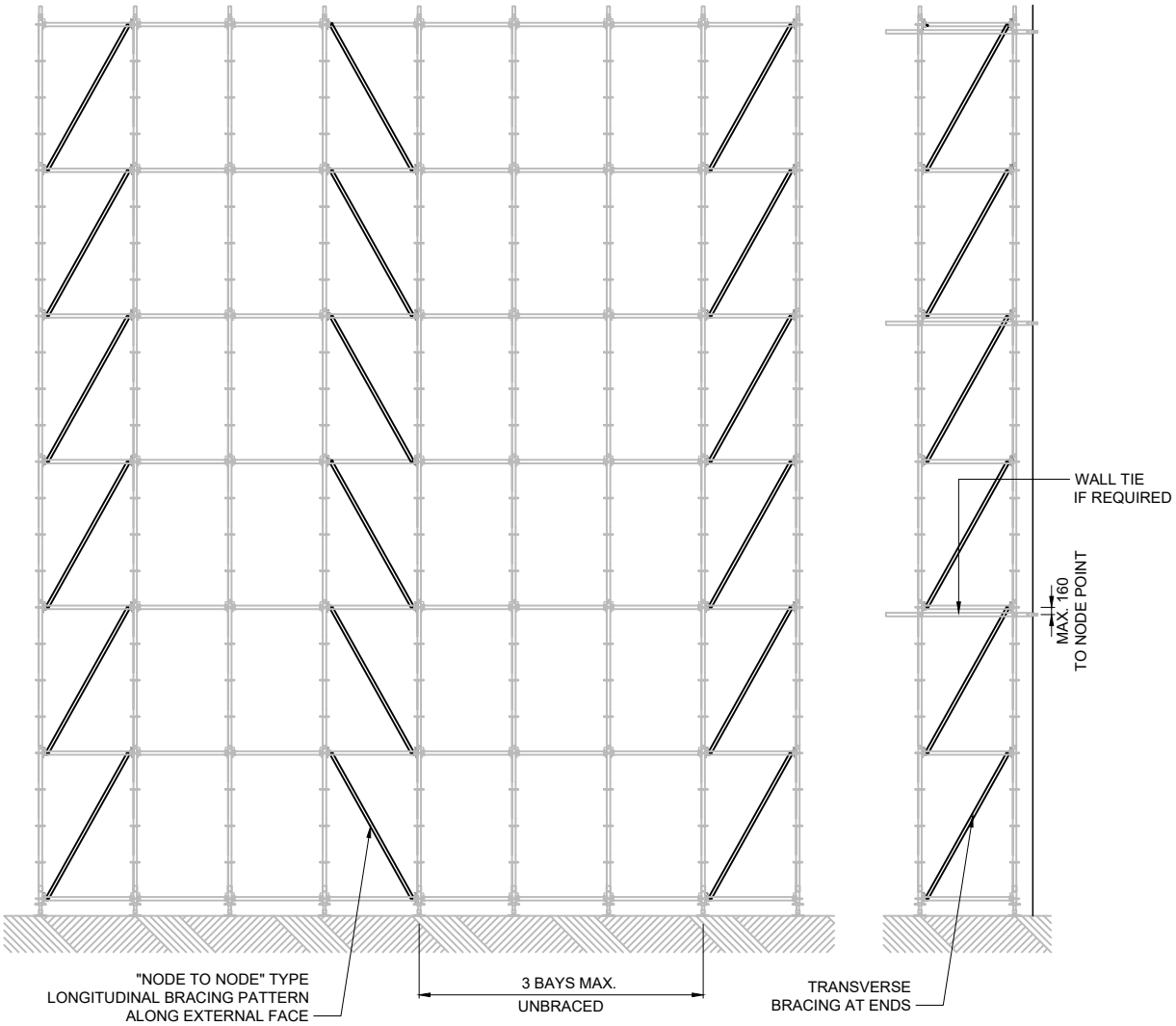
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General Rules for Diagonal Bracing

All scaffolds require a certain amount of Diagonal Face Bracing to eliminate any tendency for the scaffold to distort or sway.

Before the scaffold goes beyond the second lift, bracing should be added to the outside face and on the ends. Braces attach to the outward face of the Vertical.

Further bracing must be placed on the scaffold as it progresses in length and height. Braces should span from lift level to lift level and cross over joints in Verticals and be positioned all the way to the top of the scaffold.

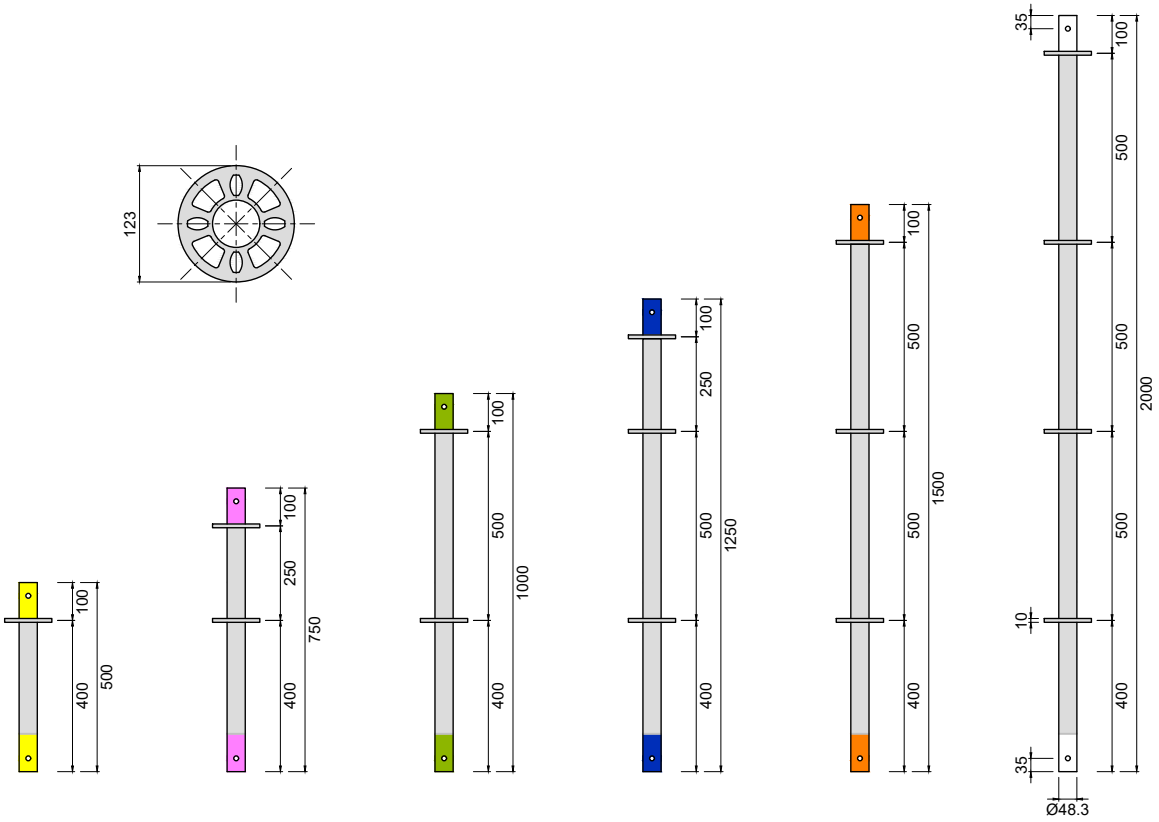


Diagonal Braces provide stability to the scaffold and are used to brace adjacent Verticals longitudinally or transversely.

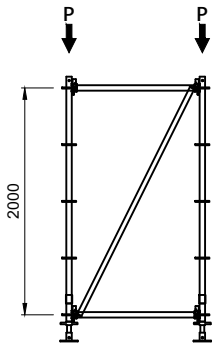
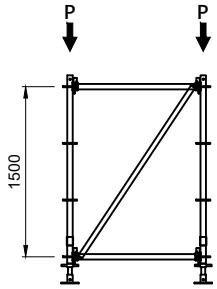
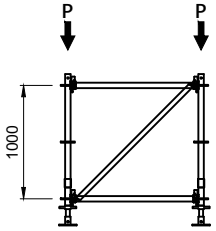
Face Diagonal Braces are positioned in the end bays of a scaffold run on the external face of the scaffold. They extend from the first cup near ground level to the top working level. They are typically arranged in an alternating (node-node) manner to provide more stability to the scaffold. For long scaffold runs exceeding 5 bays in length, intermediate bracing is required where Diagonal Face Braces are placed every 4 bays maximum. Variations to this spacing must be checked by the appropriate designer and specified in the design layout.

End Diagonal Braces are used between end pair of Verticals in the transverse direction. They extend from the first rosette near ground level to the top working level in an alternating manner.

Vertical 直柱	Weight	Marking
RSP-V05	2.3 kg	Yellow 黃
RSP-V07.5	3.7 kg	Pink 粉紅
RSP-V10	4.6 kg	Green 綠
RSP-V12.5	6.0 kg	Blue 藍
RSP-V15	6.9 kg	Orange 橙
RSP-V20	9.1 kg	White 白



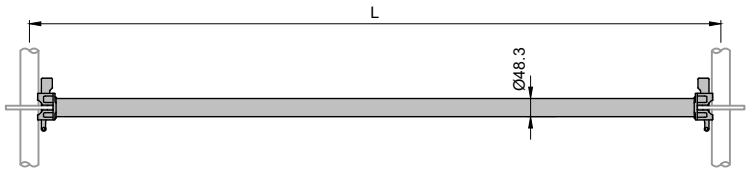
* Ringlock spigot RPN-SPG shall be used for connection points between vertical components.

VERTICAL COMPRESSIVE CAPACITY			
MATERIAL	**CHS Ø48.3 X 3.2t Grade Q355**		
EFFECTIVE LENGTH			
ULS COMPRESSION RESISTANCE, P_C	**51 kN / LEG**	**81 kN / LEG**	**117 kN / LEG**
SAFETY WORKING LOAD, P	**30 kN / LEG**	**50 kN / LEG**	**70 kN / LEG**
FACTOR OF SAFETY	**1.65**		

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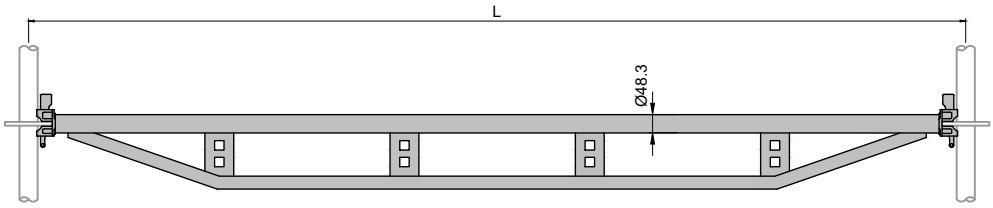
* All weights stated in catalog are for reference only.

Horizontal 橫桿	Span, L	Weight	Marking
RSP-H165	165	1.1 kg	N/A 不適用
RSP-H250	250	1.5 kg	N/A 不適用
RSP-H325	325	1.7 kg	Pink 粉紅
RSP-H650	650	2.9 kg	Yellow 黃
RSP-H950	950	4.0 kg	Green 綠
RSP-H1175	1175	4.9 kg	Purple 淺紫
RSP-H1300	1300	5.3 kg	Blue 藍
RSP-H1600	1600	6.5 kg	Orange 橙
RSP-H1829	1829	7.3 kg	Red 紅
RSP-H2479	2479	9.7 kg	Pink 粉紅
RSP-H2700	2700	10.5 kg	Brown 淺啡

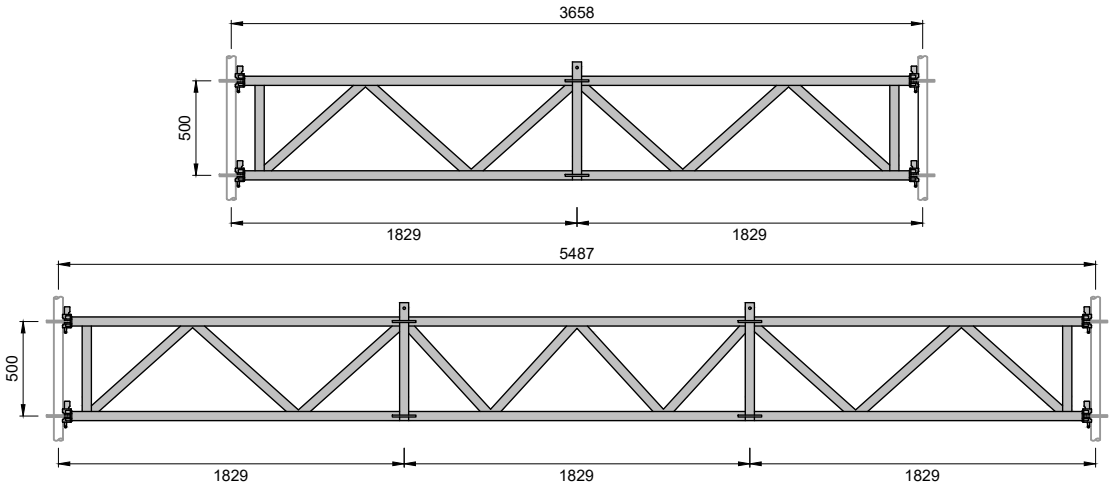


- Material : Grade Q355, CHS Ø48.3 x 2.5t

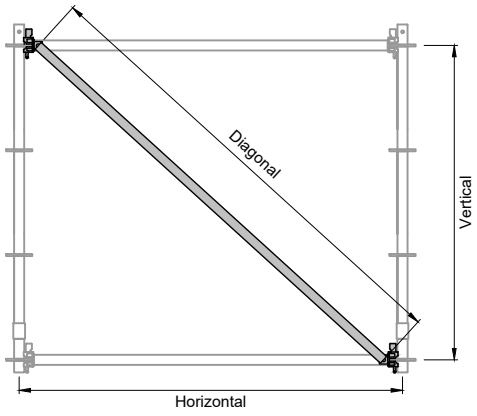
O-Bridging Horizontal 強化橫桿	Span, L	Weight	Safety Working Load
RSP-OBH1829	1829	11.7 kg	10 kN/m
RSP-OBH2479	2479	15.7 kg	5 kN/m



Truss 橫構架	Span, L	Weight	Safety Working Load (Working Platform)	Safety Working Load (Shoring)
RTA-W3605	3658 (1829 X 2)	45.3 kg	5 kN/m	45 kN
RTA-W5405	5487 (1829 X 3)	68.9 kg	4.5 kN/m	15 kN x 2



Diagonal Brace 斜桿	Horizontal	Vertical	Weight	Color 1	Color 2
RCB-D0607	650	750	4.3 kg	Yellow 黃	Pink 粉紅
RCB-D0610		1000	4.9 kg		Green 綠
RCB-D0615		1500	6.0 kg		Orange 橙
RCB-D0620		2000	7.2 kg		White 白
RCB-D0907	950	750	4.8 kg	Green 綠	Pink 粉紅
RCB-D0910		1000	5.3 kg		Green 綠
RCB-D0915		1500	6.3 kg		Orange 橙
RCB-D0920		2000	7.4 kg		White 白
RCB-D1107	1175	750	5.2 kg	Purple 淺紫	Pink 粉紅
RCB-D1110		1000	5.6 kg		Green 綠
RCB-D1115		1500	6.6 kg		Orange 橙
RCB-D1120		2000	7.7 kg		White 白
RCB-D1310	1300	1000	5.9 kg	Blue 藍	Green 綠
RCB-D1315		1500	6.8 kg		Orange 橙
RCB-D1320		2000	7.8 kg		White 白
RCB-D1610*	1600	1000	8.6 kg	Orange 橙	Green 綠
RCB-D1620		2000	8.2 kg		White 白
RCB-D1810	1829	1000	6.9 kg	Red 紅	Green 綠
RCB-D1820		2000	8.6 kg		White 白
RCB-D2420	2479	2000	9.8 kg	Pink 粉紅	White 白
RCB-D2710	2700	1000	9.0 kg	Brown 淺啡	Green 綠

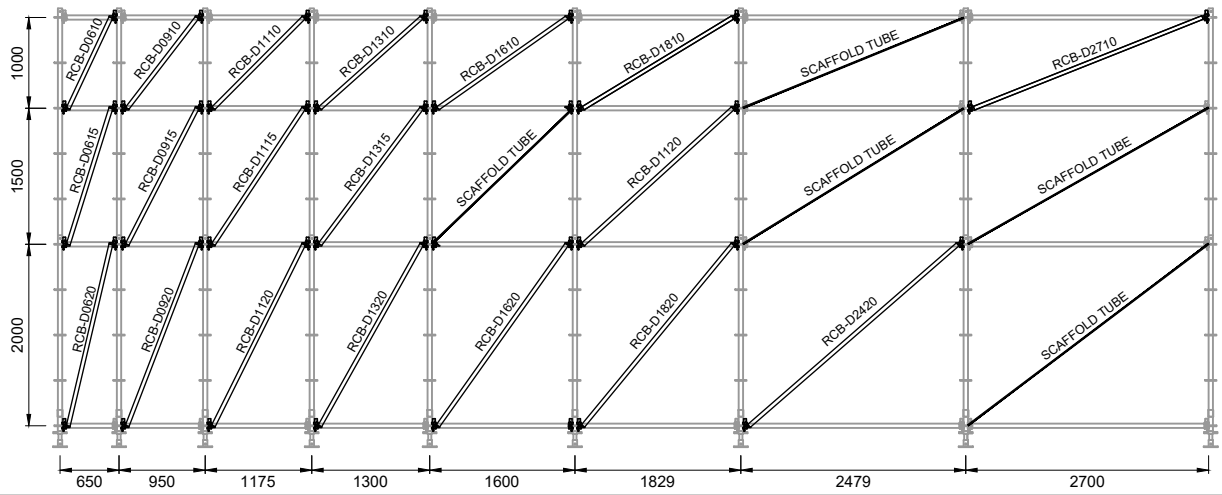




Detail of Diagonal Wedge Head

- Material : Grade Q355, CHS Ø42.7 x 2.5t
  *RCB-D1610 : CHS Ø48.3 x 3.2t

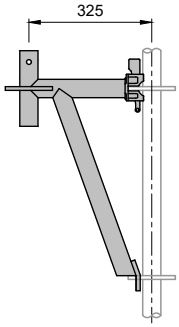
Diagonal Brace Combination Example



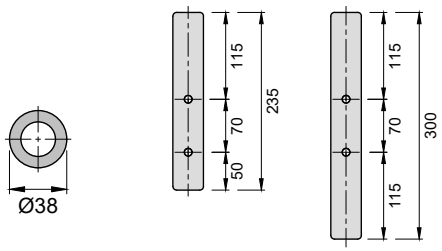
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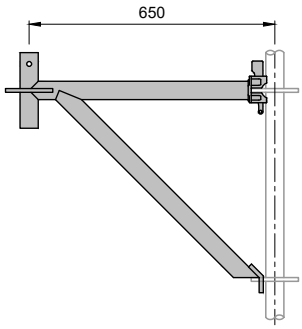
Support Bracket 三角支撐	Weight	S.W.L.
RFR-0305	5.2 kg	75 kN/m



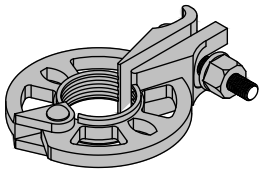
Spigot 駁心	Weight
RPN-SPG	0.8 / 1.0 kg



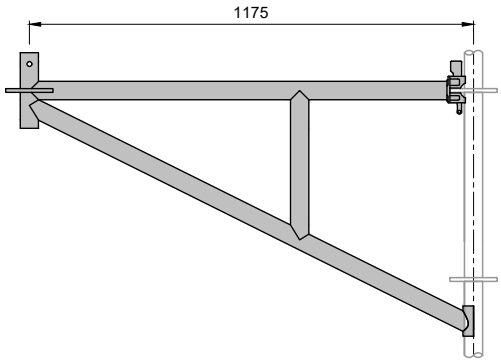
Support Bracket 三角支撐	Weight	S.W.L.
RFR-0605	6.9 kg	20 kN/m



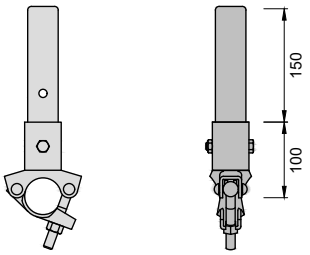
Rosette Clamp 可拆式圓盤	Weight
RSP-RC	1.3 kg



Support Bracket 三角支撐	Weight	S.W.L.
RFR-1106	12.3 kg	6 kN/m

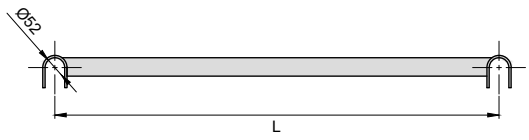


Spigot Single Coupler 駁心碼仔	Weight
RPN-CLP	1.4 kg

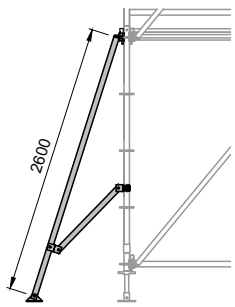


- BS or JIS Type Coupler are available upon request.

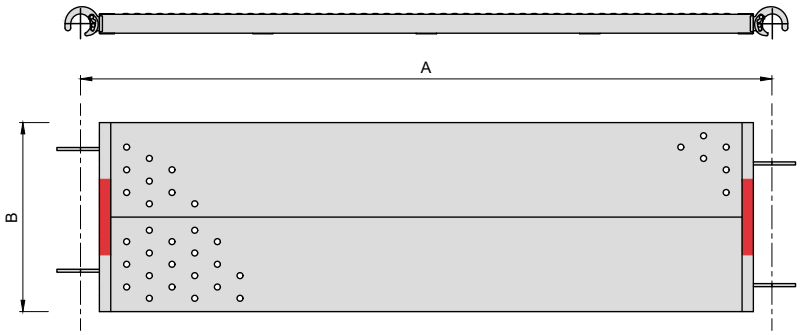
Board Bearer 橫擔	Span, L	Weight	Marking
RSP-BB650	650	2.8 kg	Yellow 黃
RSP-BB950	950	3.6 kg	Green 綠
RSP-BB1175	1175	4.2 kg	Purple 淺紫
RSP-BB1300	1300	4.9 kg	Blue 藍
RSP-BB1600	1600	5.5 kg	Orange 橙



Stabilizer 穩定斜撐	Weight
RSP-S2600	13.2 kg

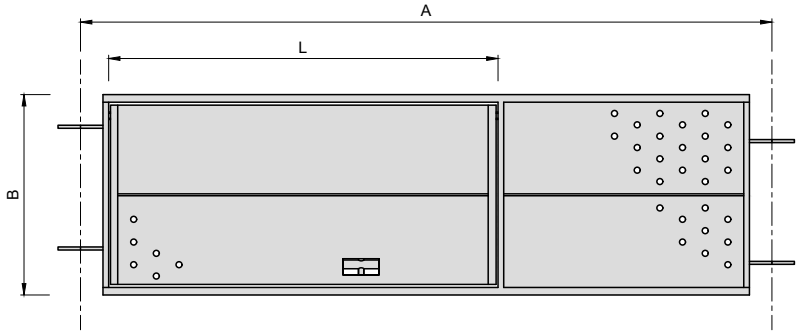


Catwalk 平台板	A	B	Weight	Color 1	Color 2
RCA-0350	325	500	4.9 kg	Pink 粉紅	–
RCA-0625	650	250	4.3 kg	Yellow 黃	–
RCA-0630		300	4.4 kg		Red 紅
RCA-0650		500	7.4 kg		–
RCA-0925	950	250	5.6 kg	Green 綠	–
RCA-0930		300	5.8 kg		Red 紅
RCA-0950		500	10.0 kg		–
RCA-1125	1175	250	6.4 kg	Purple 淺紫	–
RCA-1130		300	6.7 kg		Red 紅
RCA-1150		500	11.8 kg		–
RCA-1325	1300	250	7.1 kg	Blue 藍	–
RCA-1330		300	7.4 kg		Red 紅
RCA-1350		500	13.0 kg		–
RCA-1625	1600	250	8.2 kg	Orange 橙	–
RCA-1630		300	8.7 kg		Red 紅
RCA-1650		500	15.3 kg		–
RCA-1815	1829	150	7.2 kg	Red 紅	–
RCA-1825		250	9.3 kg		-
RCA-1830		300	9.8 kg		Red 紅
RCA-1850		500	17.4 kg		–
RCA-2425	2479	250	11.9 kg	Pink 粉紅	–
RCA-2430		300	12.9 kg		Red 紅



Catwalk Width	Safety Working Moment
...	0.49 kNm
250	0.51 kNm
300	0.52 kNm
500	1.03 kNm

Open-Top Catwalk 揭蓋平台板	A	B	L	Weight	Marking
RCA-4OPS	1300	500	600	14.3 kg	Blue 藍
RCA-5OPS	1600	500	600	16.5 kg	Orange 橙
RCA-6OPS	1829	500	600	19.5 kg	Red 紅
TCA-6OPA	1829	530	1170	20.0 kg	Yellow 黃

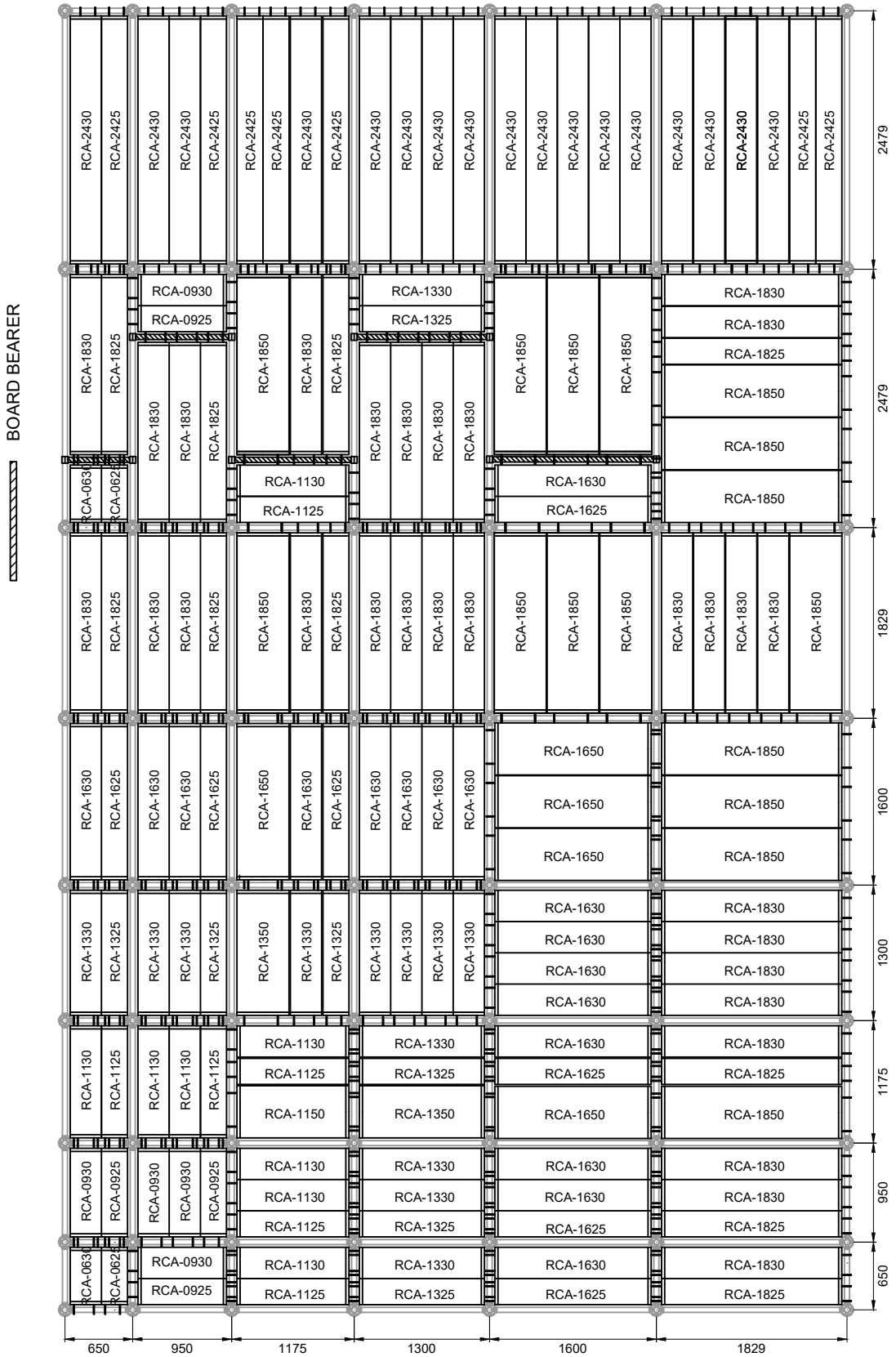


Safety Working Moment
1.03 kNm

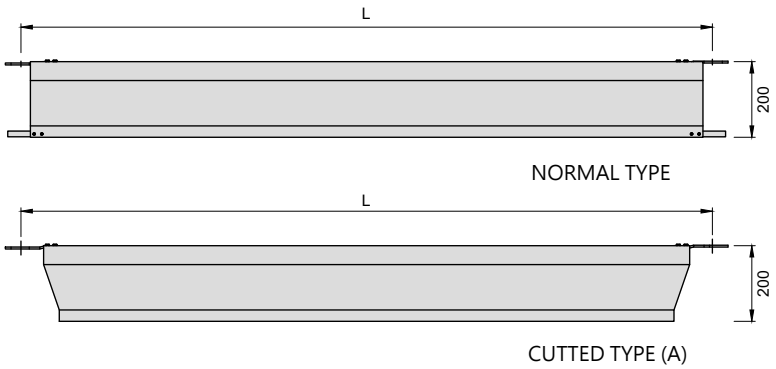
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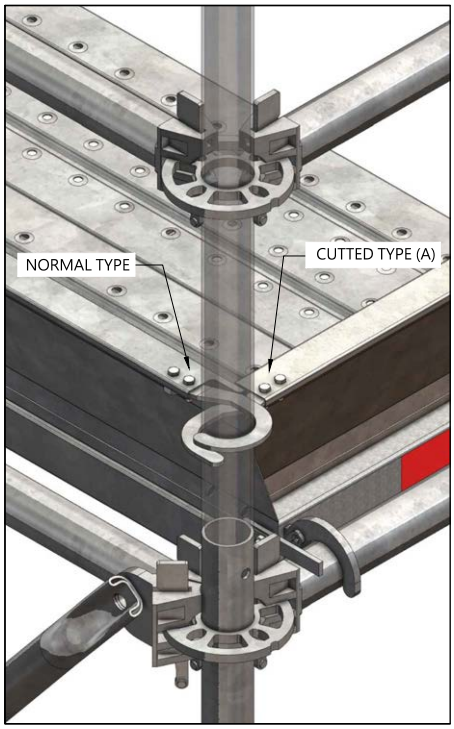
Catwalk Combination Example



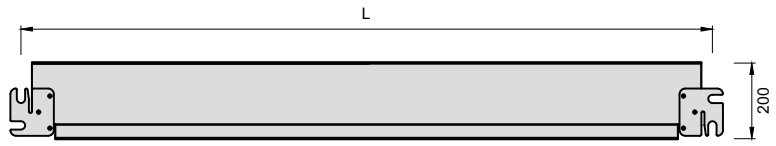
Toeboard 踢腳板 (切口組合)	L	Weight	Marking
RTB-0620 / 0620A	650	2.3 kg / 1.9kg	Yellow 黃
RTB-0920 / 0920A	950	3.1 kg / 2.8kg	Green 綠
RTB-1120 / 1120A	1175	3.8 kg / 3.4kg	Purple 淺紫
RTB-1320 / 1320A	1300	4.1 kg / 3.8kg	Blue 藍
RTB-1620 / 1620A	1600	5.0 kg / 4.6kg	Orange 橙
RTB-1820 / 1820A	1829	5.7 kg / 5.3kg	Red 紅
RTB-2420 / 2420A	2479	7.6 kg / 7.2kg	Pink 粉紅



- In compliance with COP 5.1.4(J) requirement, test report available upon request.



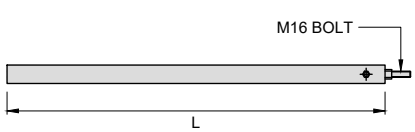
Toeboard 踢腳板 (L型扣)	L	Weight	Marking
RTB-L0320	325	1.49 kg	Pink 粉紅
RTB-L0620	650	2.36 kg	Yellow 黃
RTB-L0920	950	3.16 kg	Green 綠
RTB-L1120	1175	3.76 kg	Purple 淺紫
RTB-L1320	1300	4.09 kg	Blue 藍
RTB-L1620	1600	4.89 kg	Orange 橙
RTB-L1820	1829	5.50 kg	Red 紅
RTB-L2420	2479	8.84 kg	Pink 粉紅
RTB-L2720	2700	9.58 kg	Brown 淺啡



- In compliance with COP 5.1.4(J) requirement, test report available upon request.

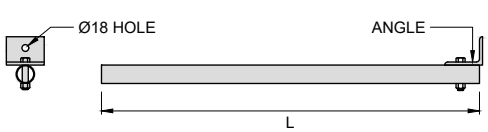


Wall Tie 連牆器	L	Weight
TWT-WA500	500	1.6 kg
TWT-WA1000	1000	2.8 kg
TWT-WA1500	1500	4.0 kg
TWT-WA2000	2000	5.2 kg
TWT-WA2500	2500	6.4 kg
TWT-WA3000	3000	7.6 kg



- Material : Grade Q235, CHS Ø48.3 x 2.1t

Wall Tie 連牆器	L	Weight
TWT-WA500UA	500	2.5 kg
TWT-WA1000UA	1000	3.7 kg
TWT-WA1500UA	1500	4.9 kg
TWT-WA2000UA	2000	6.1 kg
TWT-WA2500UA	2500	7.3 kg
TWT-WA3000UA	3000	9.5 kg

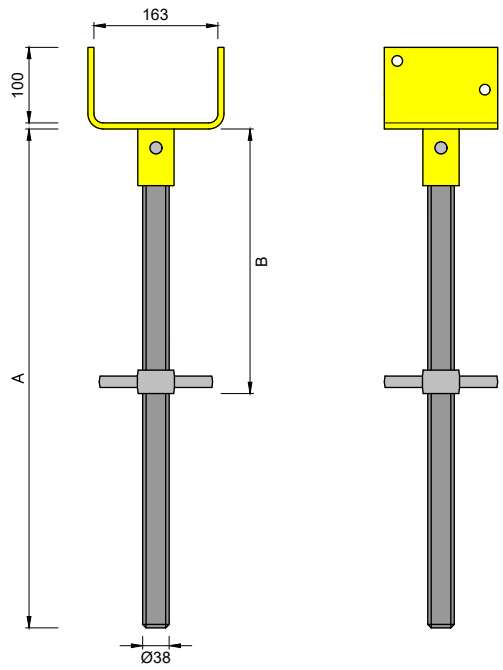


- Material : Grade Q235, CHS Ø48.3 x 2.1t

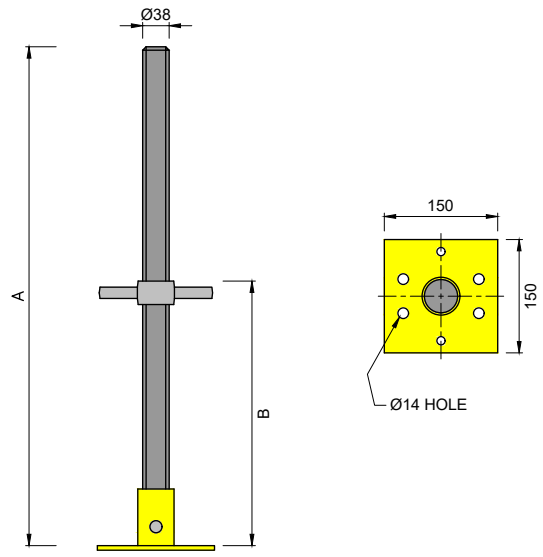
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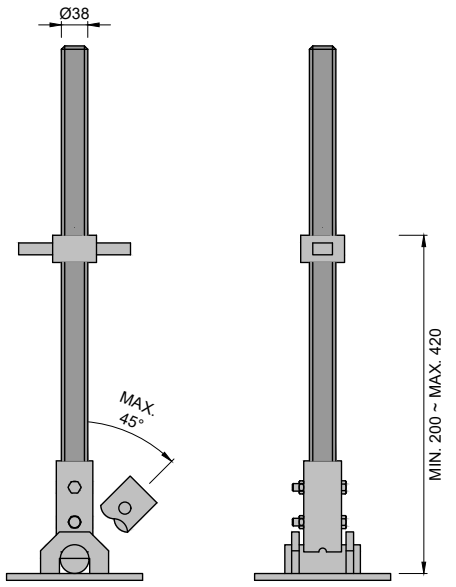
U-Head Jack 頂積	A	B	Weight	Marking
CJK-FHJ43	430	150 ~ 280	6.6 kg	Silver 銀
CJK-FHJ66	660	150 ~ 420	7.5 kg	Yellow 黃
CJK-FHJ86	860	150 ~ 620	8.3 kg	Red 紅



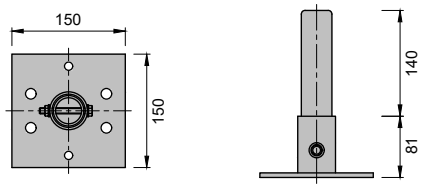
Base Jack 底積	A	B	Weight	Marking
CJK-BPJ43	430	150 ~ 280	4.5 kg	Silver 銀
CJK-BPJ66	660	150 ~ 420	5.4 kg	Yellow 黃
CJK-BPJ86	860	150 ~ 620	6.6 kg	Red 紅



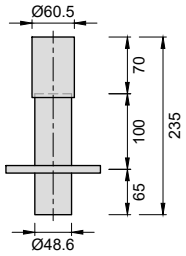
Swivel Base Plate Jack 可調較角度底積	Weight
RJK-SBPJ	6.5 kg



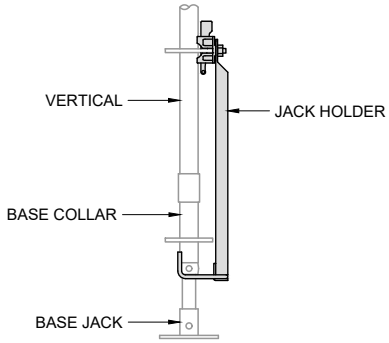
Base Plate 底掌	Weight
RJK-BP	2.2 kg



Base Collar 起始套	Weight
RSP-BC	1.6 kg



Jack Holder 底積吊勾	Weight
RJK-HLR	2.0 kg

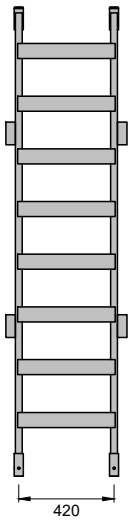


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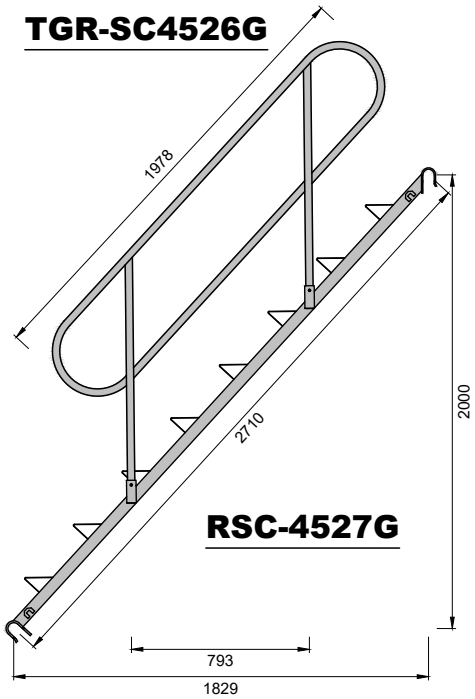
* All weights stated in catalog are for reference only.

Item Name	Code	Weight	Marking
Staircase 樓梯	***RSC-4527G***	24.4 kg	Orange 橙
Staircase Handrail for RSC-4527G 樓梯扶手	***TGR-SC4526G***	5.9 kg	Orange 橙
Staircase Handrail for RSC-4527G 樓梯扶手	***TGR-SC4526GA***	4.0 kg	Green 綠

RSC-4527G

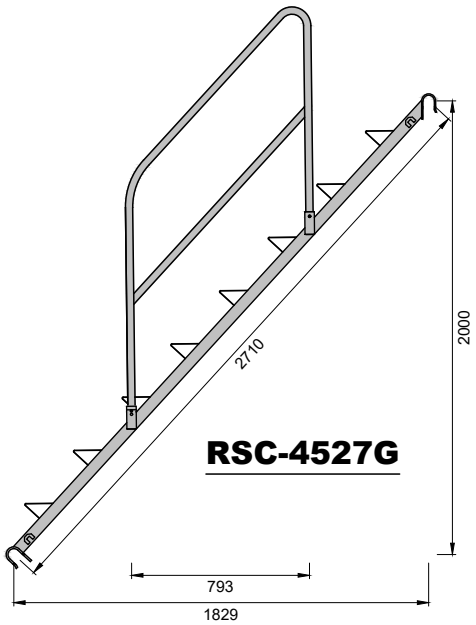


TGR-SC4526G



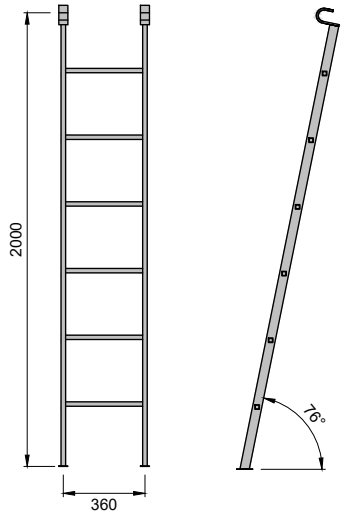
RSC-4527G

TGR-SC4526GA

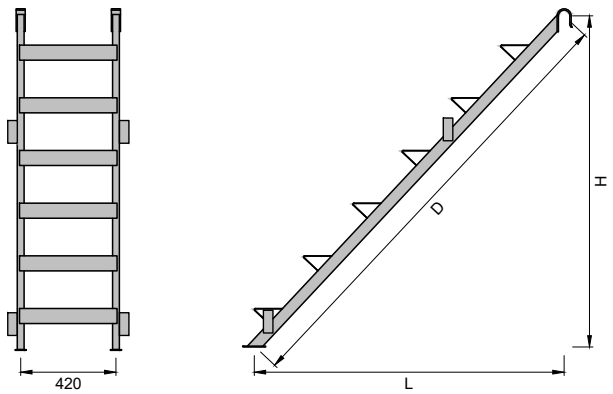


RSC-4527G

Hanging Ladder 掛梯	Weight
RSC-4020A	10.2 kg

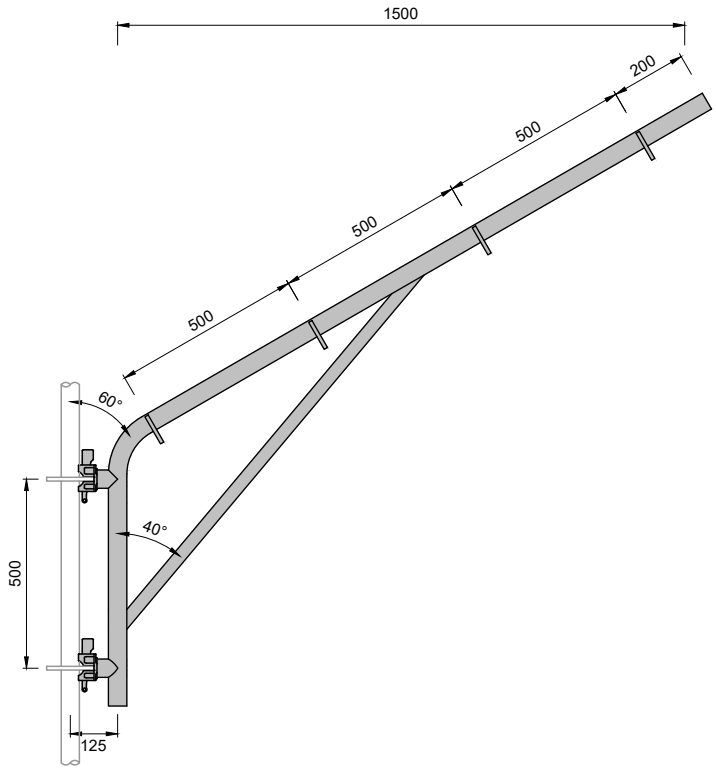


Staircase 樓梯	Steps	L	H	D	Weight	Marking
TSC-4507G	2	455	500	676	7.4 kg	Pink 粉紅
TSC-4515G	4	915	1000	1355	13.5 kg	Green 綠
TSC-4520G	6	1370	1500	2031	19.1 kg	Blue 藍



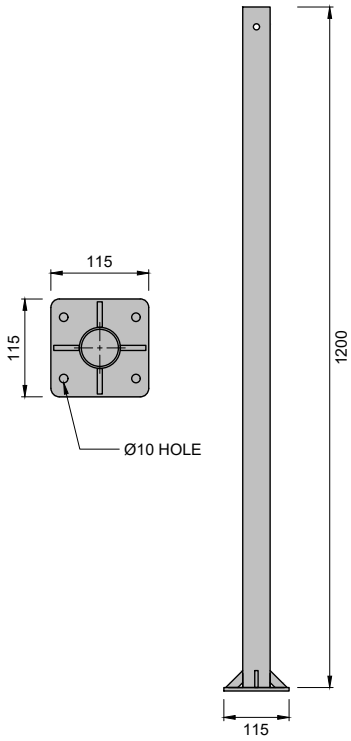
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Catch Fan 斜柵	Weight
RFR-CFP	13.2 kg



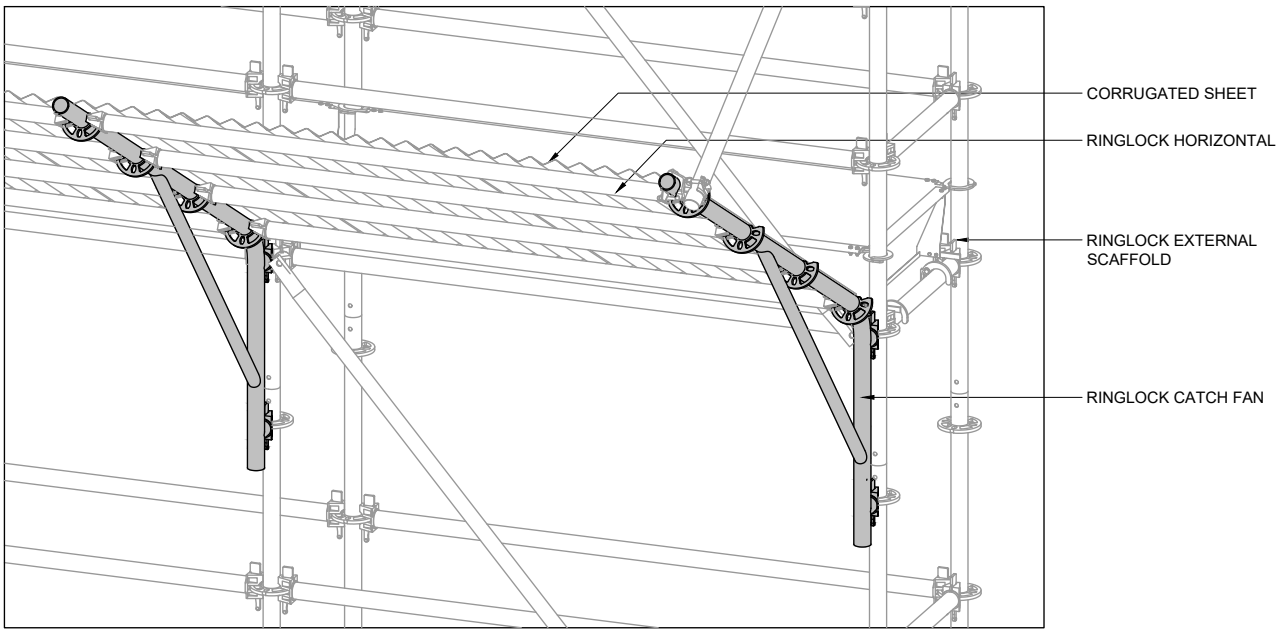
- Alternative Ringlock Diagonal design available subject to site constraints

Universal Tube Post 通用直柱	Weight
TSP-UTP12	4.2 kg



- Castor available for light duty transport

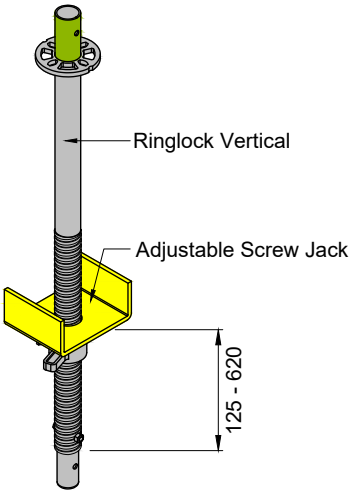
Catch Fan Example



Vertical with Jack 直柱連頂積	Height	Weight	Compressive S.W.L.	Factor of Safety	Marking
RSP-VJ07.5	750	8.5 kg	42 kN	1.65	Pink 粉紅
RSP-VJ10	1000	9.3 kg	40 kN		Green 綠
RSP-VJ12.5	1250	10.7 kg	34 kN		Blue 藍
RSP-VJ15	1500	11.7 kg	27 kN		Orange 橙

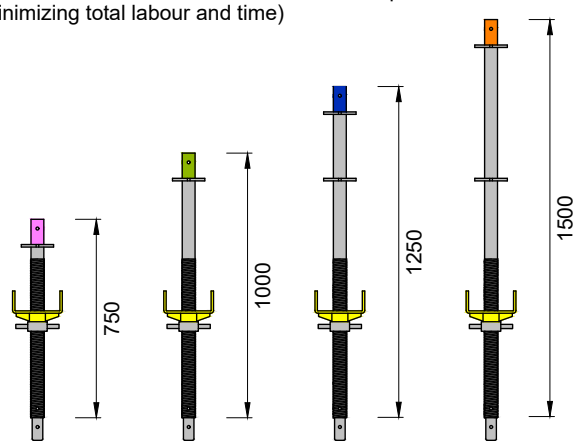
- Material : Grade Q355, Screwed CHS Ø48.3 x 3.2t

PATENT NO: HK1251779



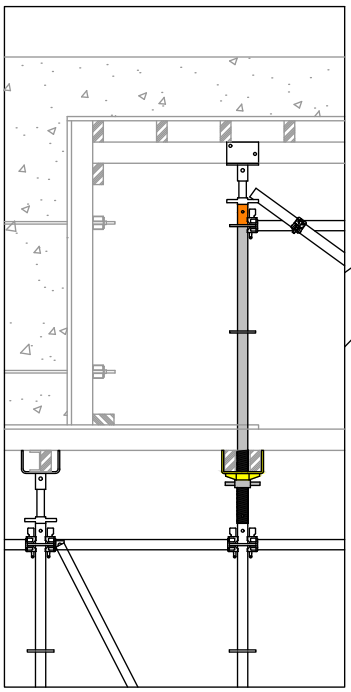
APPLICATION

- Efficiently used in conjunction with RINGLOCK scaffold system
- Provides versatility and convenience to design of scaffold falsework
- By inserting another jack component, a “double head” jack function can be utilized
- Falsework enhancement: increase work space, decrease scaffold components (minimizing total labour and time)

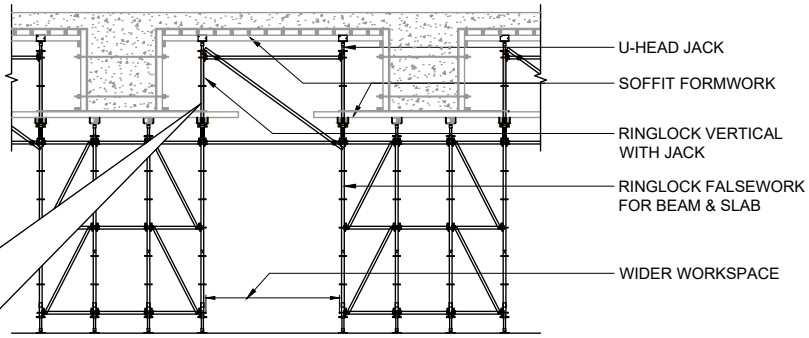


RSP-VJ07.5 **RSP-VJ10** **RSP-VJ12.5** **RSP-VJ15**

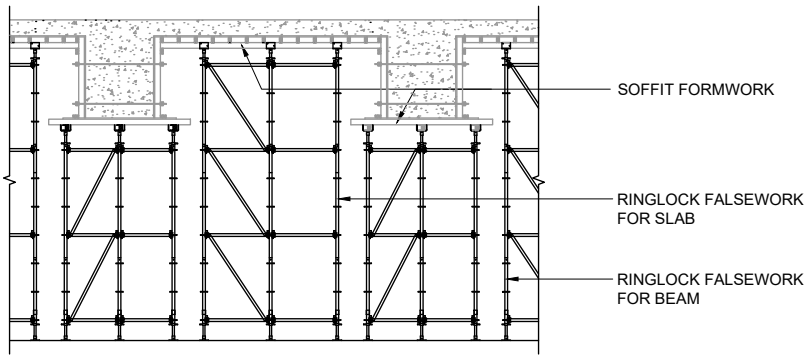




ASSEMBLY DETAIL



NEW FALSEWORK DESIGN USING RINGLOCK VERTICAL WITH JACK

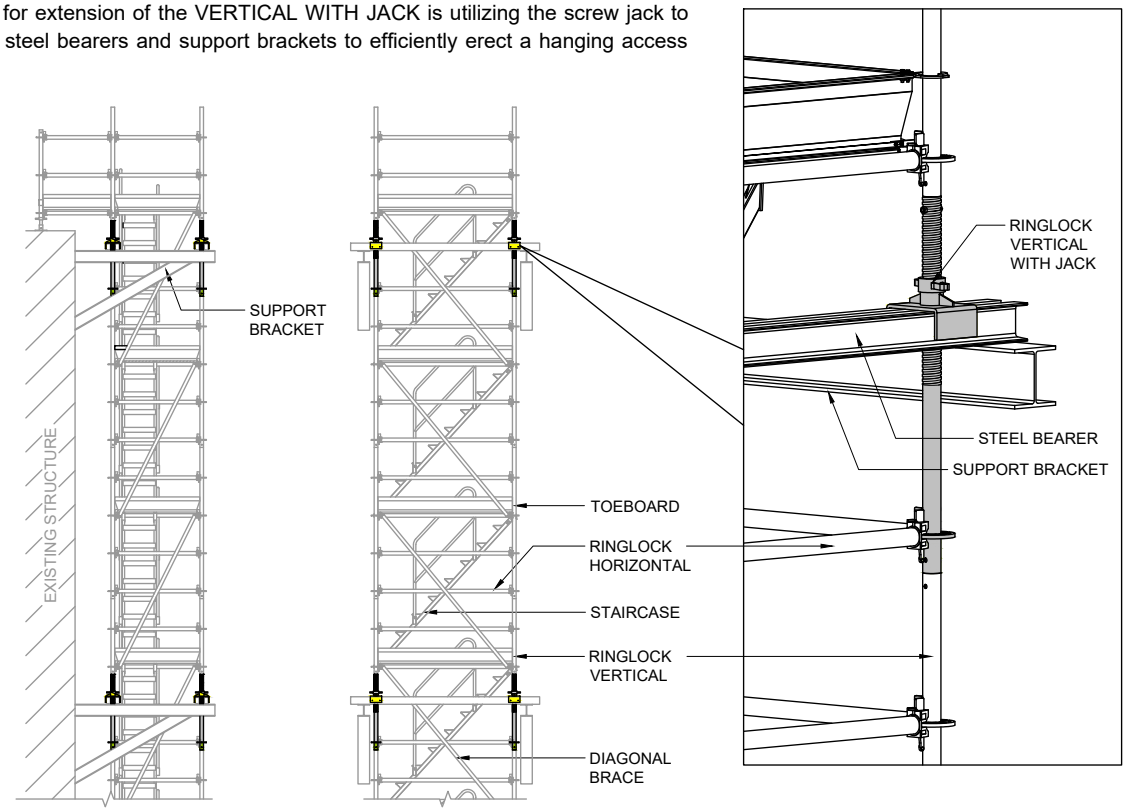


TRADITIONAL FALSEWORK DESIGN

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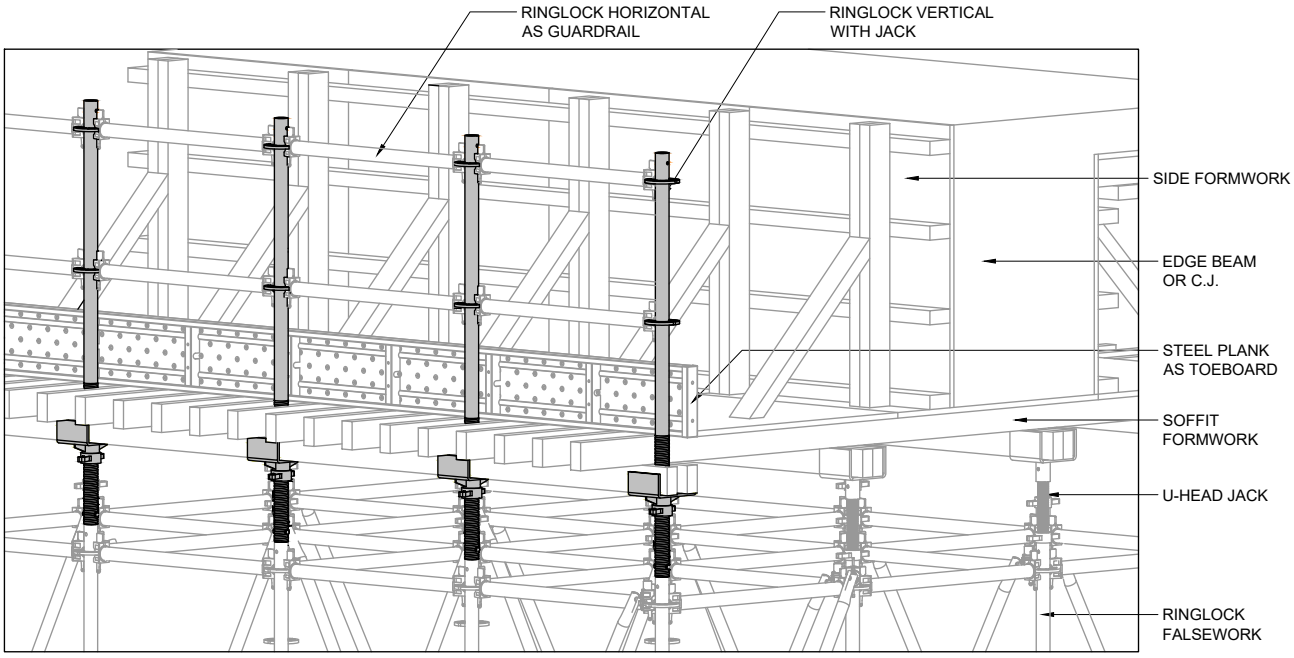
Hanging Access Tower Example

An option for extension of the VERTICAL WITH JACK is utilizing the screw jack to "hang" on steel bearers and support brackets to efficiently erect a hanging access ladder.



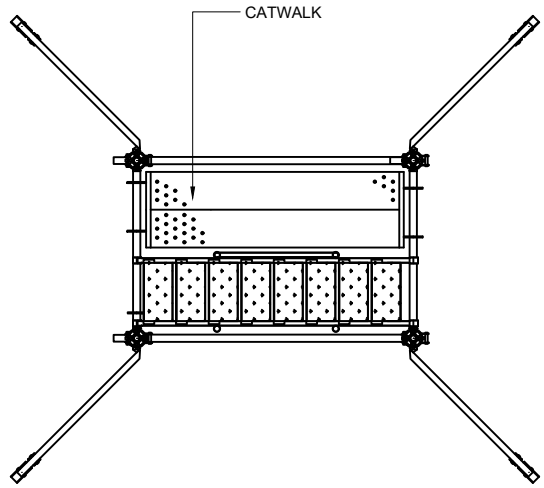
Falsework Temporary Edge Protection Example

Maximizing both ends of the VERTICAL WITH JACK by connecting the screw jack to the existing falsework with a spigot and allowing the vertical end to extend above the formwork to be used in conjunction with respective horizontal components as the guardrail.



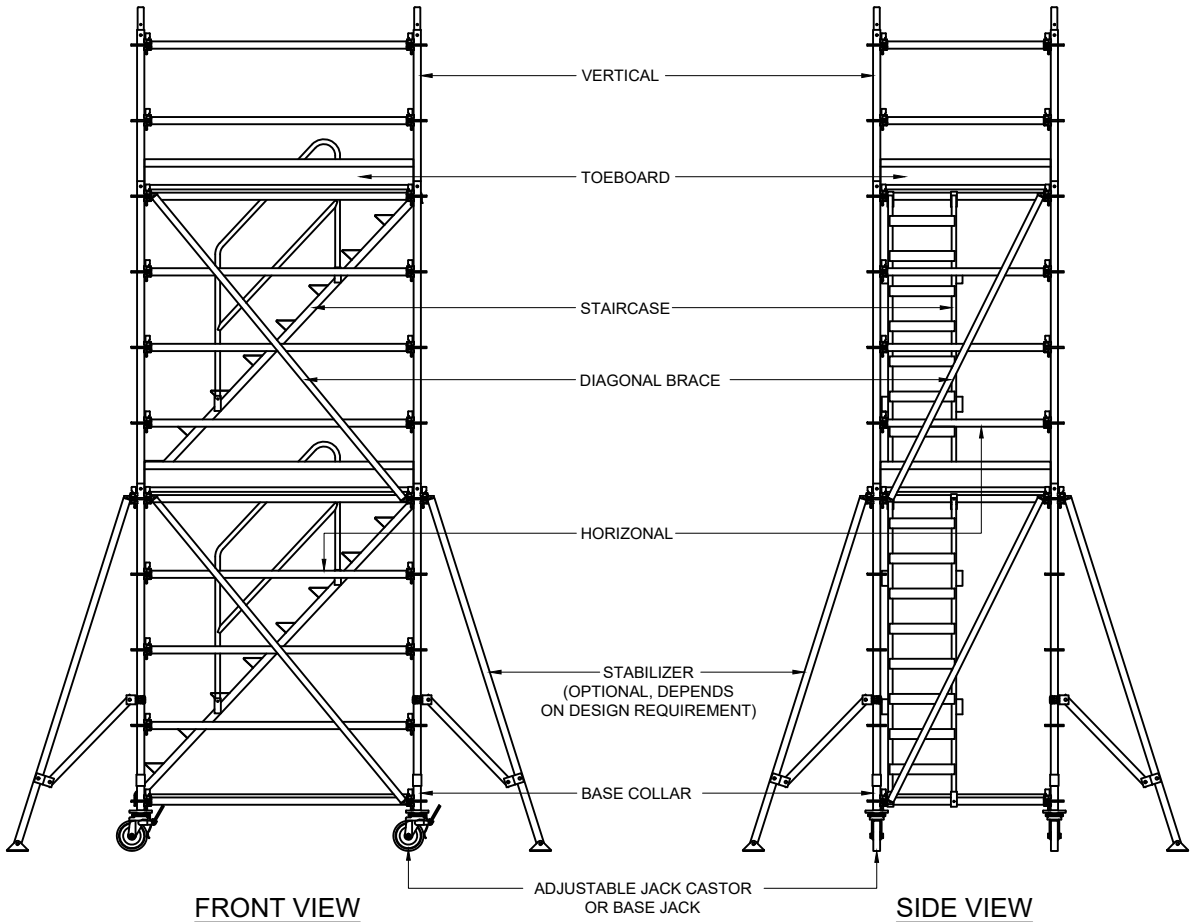
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Working Platform Example



PLAN VIEW



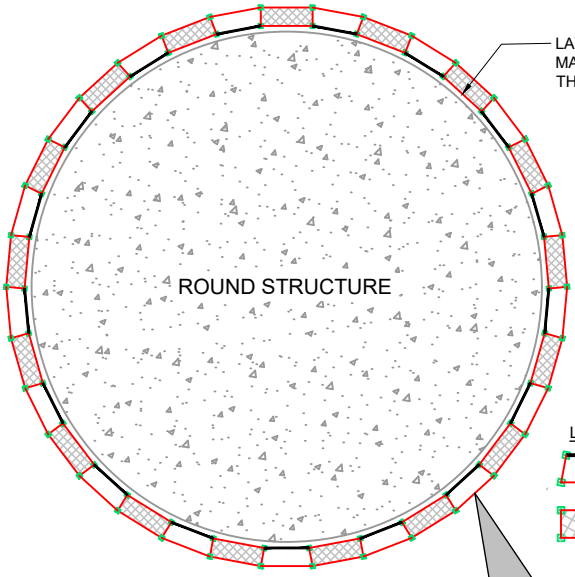


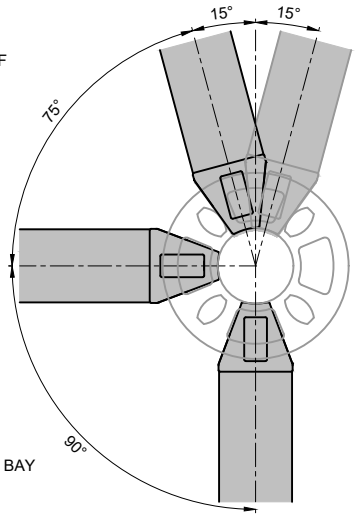
FRONT VIEW

SIDE VIEW

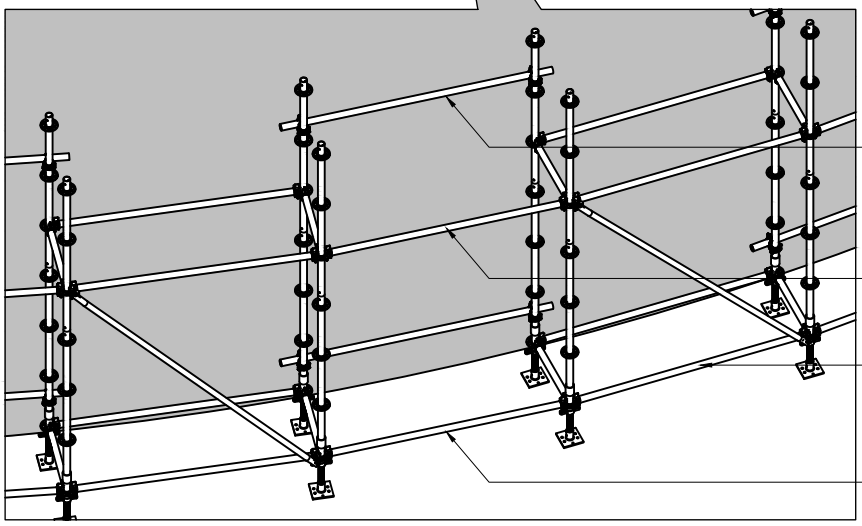
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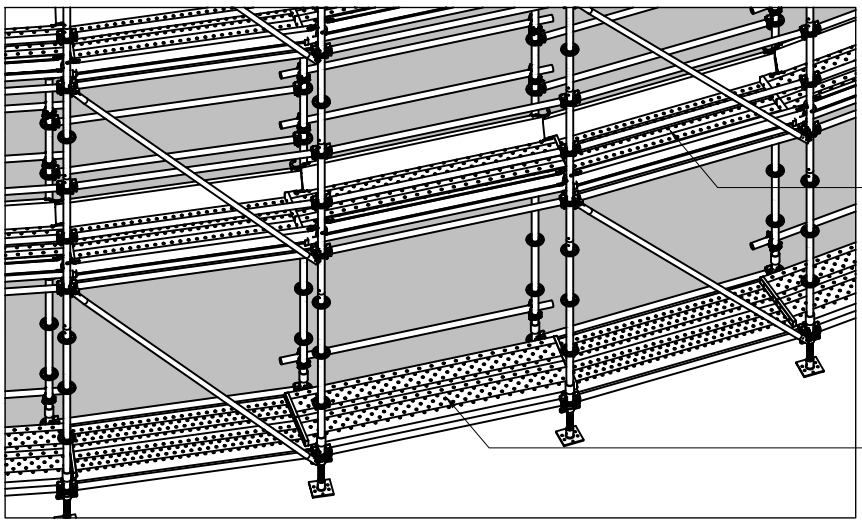
Circular Working Platform Example



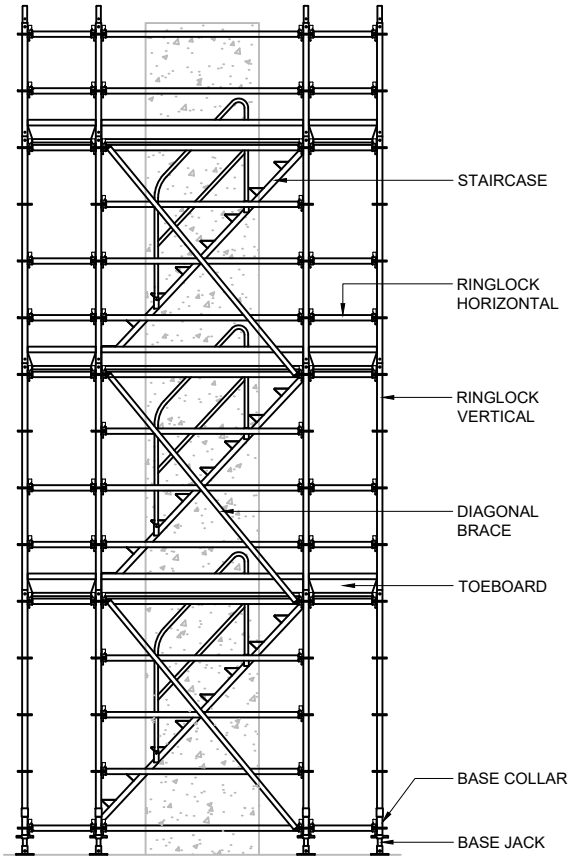


Depending on the radius, it is advantageous to use the large holes with the horizontals to obtain a more flexible curvature.

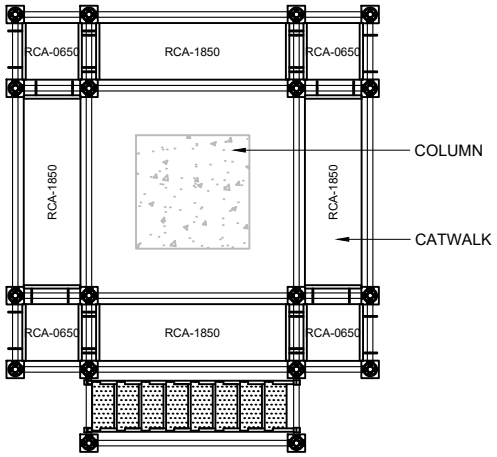




Column Working Platform Example



ELEVATION

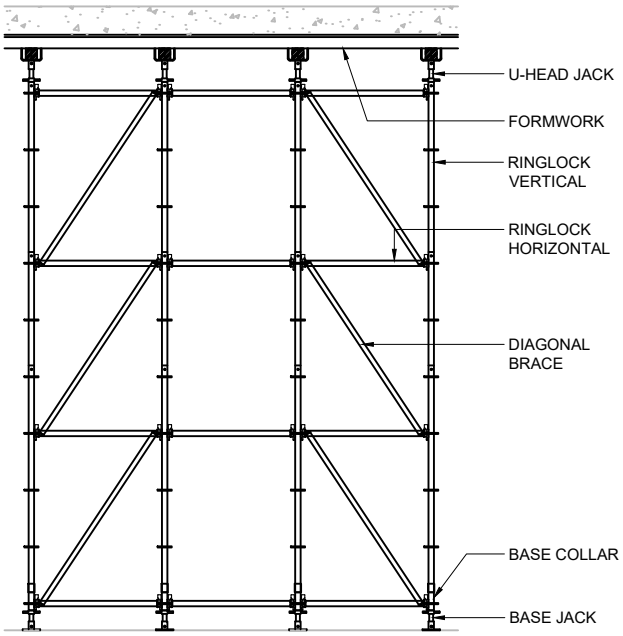


PLAN VIEW

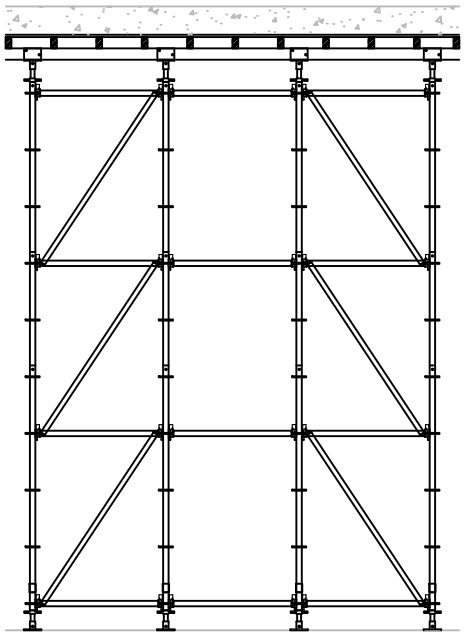
- Liftable feature is available upon request.

Falsework Shoring Example

Remark: Variations to diagonal brace spacing must be checked by the appropriate designer and specified in the design layout.
Please see "General Rules for Diagonal Bracing" at Page 1-4.



ELEVATION

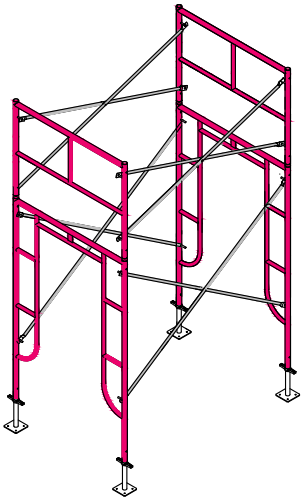


ELEVATION

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Main Contractor	Contract / Project Site
Bachy Soletanche - Laing O'Rourke Joint Venture	Contract 811A - West Kowloon Terminus Approach Tunnel (North)
Dragages - China Harbour - VSL Joint Venture	Contract HY/2011/09 - Hong Kong - Zhuhai - Macao Bridge Hong Kong Link Road
Chun Wo - CRGL Joint Venture	Contract HY/2009/02 - Wan Chai Development Phase II - Central - Wan Chai Bypass at Wan Chai East
Kier - Laing O'Rourke - Kaden Joint Venture	Contract 901 - Admiralty Integrated Station and SCL Enabling Works
Nishimatsu Construction Company Ltd	Contract 902 - Nam Fung Tunnel and Ventilation Buildings
Leighton Contractors (Asia) Ltd	Contract 1112 - Hung Hom Station and Stabling Sidings
Leighton Contractors (Asia) Ltd	Contract SS C505, Project H2634 - Construction of Liantang / Heung Yuen Wai Boundary Control Point
Leader Joint Venture	Contract 1106 - Diamond Hill Station Extension
Penta-Ocean Construction Company Ltd	Redevelopment of Queen Mary Hospital Phase 1 - Conversion of SSQ
Kone Elevator (HK) Ltd	Contract 847 Lifts
China Overseas Building Construction Limited	The Comprehensive Residential Development at Nos. 1-11 Au Pui Wan Street, Fo Tan
Bouygues Travaux Publics	Contract HY/2018/08 - Central Kowloon Route - Central Tunnel - Ho Man Tin Shaft
China State Construction Engineering (HK) Limited	Public Housing Development at Tsing Hong Road North, Tsing Yi
Zhen Hua Engineering Company Limited	Contract EP/SP/66/12 (CHEC312) - Integrated Waste Management Facilities at Shek Kwu Chau
Bouygues Travaux Publics	Contract ED/2018/04 - Trunk Road T2 and Infrastructure Works for Development at the Former South Apron, Kowloon Bay
Yau Lee Construction Company Limited	Contract 20210207 - Long Bin Phase 1, Yuen Long
Yau Lee Construction Company Limited	Contract SS H504 - Design & Construction of Chai Wan Government Complex and Vehicle Depot
Build King Civil Engineering Limited	Contract DC/2019/07, Project 2026 - Cheung Chau Sewage Treatment Facilities
Long Faith Engineering Limited	Redevelopment of Kowloon Tsai Swimming Pool
Gammon Construction Limited	Redevelopment of Blocks A, B, and C, Hong Kong Baptist Hospital, Kowloon Tong
Build King Civil Engineering Limited	Contract NL202007, Tung Chung Nem Town Extension - Tai Ho Interchange
Penta-Ocean Construction Company Limited	No. 2 University Drive, Pok Fu Lam

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TOYO SCAFFOLD
輕型通架

APPLICATION

- Simple to assemble, comparatively light in weight
- Widely used falsework system providing high strength & safety
- TYPICAL APPLICATIONS: indoor & outdoor building works, shorings, supports, towers, bleachers
- SYSTEM CONSISTS OF: Frame, Base Jack, Cross Brace, Joint Pin(s), Steel Tube, Coupler(s)
- Capable of comprehensive falsework system or simple access and/or rolling tower
- Also available: Toyo Steel Prop (see Page 2-7).



Rolling Tower



Toyo Scaffold System for Falsework



Access Tower



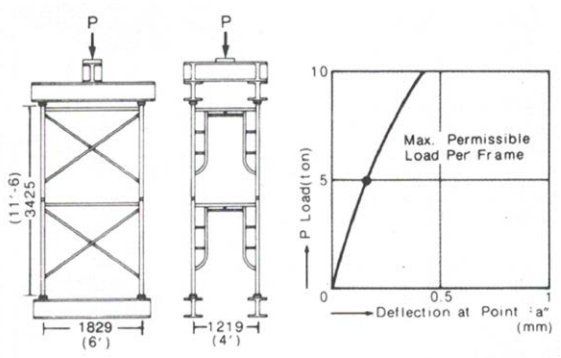
External Scaffolding

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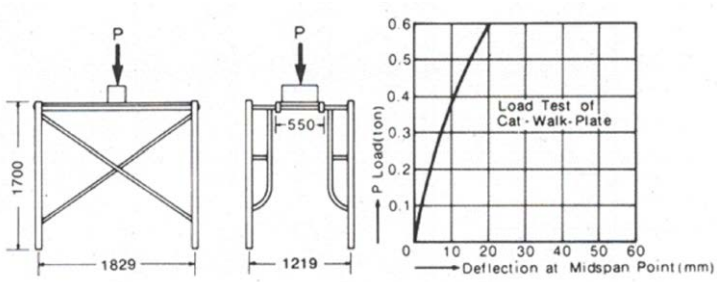
Toyo frames are manufactured from structural carbon steel with main load-bearing members having an outside diameter of 43 mm.

LOAD TESTS

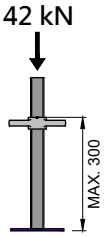
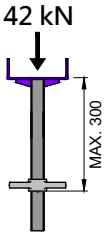
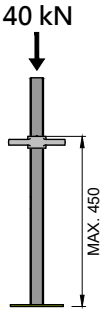
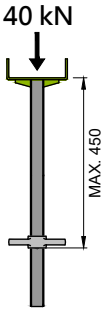
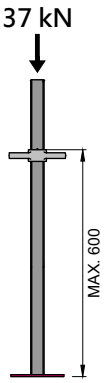
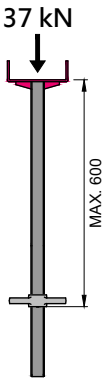
Frame TFR-A1217B

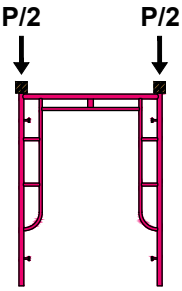
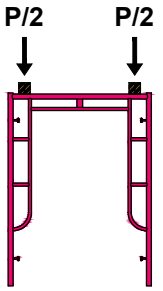
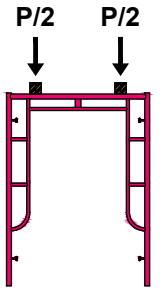
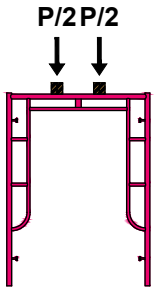
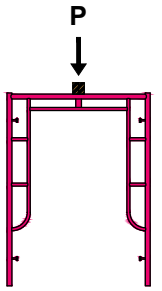


Catwalk TCA-TK6CG



Safety Working Loads on Frame (Factor of Safety: 2.0)	
Loading	Item Code
25 kN (2.5 t) per leg	TFR-A1217B, TFR-A1217BG, TFR-A1215, TFR-A1215G, TFR-A1212L, TFR-A1212LG, TFR-A1209L, TFR-A1209LG, TFR-A1204L
22.5 kN (2.25 t) per leg	TFR-A1219, TFR-A1219G

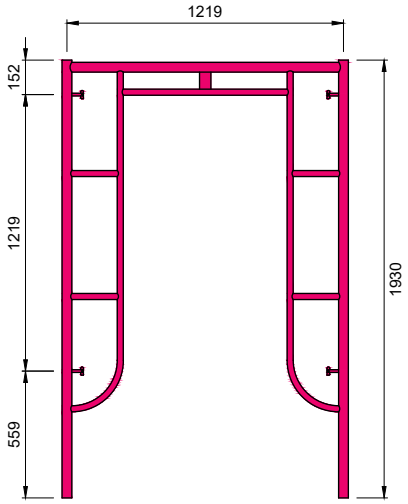
Safety Working Loads on Jack Components (Factor of Safety: 3.5)					
TJK-40B	TJK-40H	TJK-60B	TJK-60H	TJK-78B	TJK-78H
					

Reduction in strength, depending upon positions where frame load is applied					
Point of load					
Max load per frame p max	10.0 Ton	9.1 Ton	7.5 Ton	5.0 Ton	3.0 Ton
Allowable load	5.0 Ton	3.5 Ton	3.0 Ton	2.0 Ton	1.2 Ton

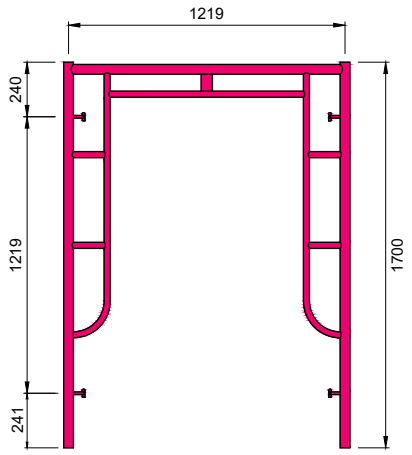
Note: For load point, square pipe material 100 x 100 mm is recommended to use

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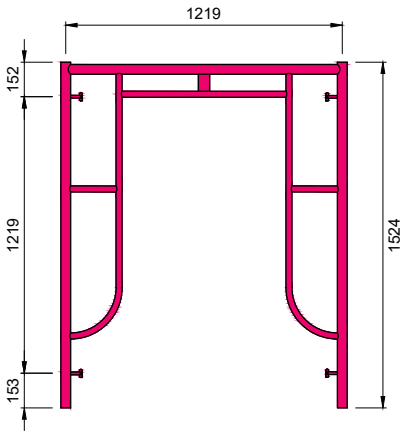
Frame 輕架	Coating	Weight
TFR-A1219	Painted	19.7 kg
TFR-A1219G	Galv.	19.7 kg



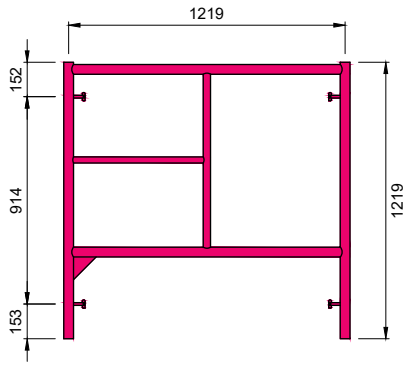
Frame 輕架	Coating	Weight
TFR-A1217B	Painted	15.9 kg
TFR-A1217BG	Galv.	15.9 kg



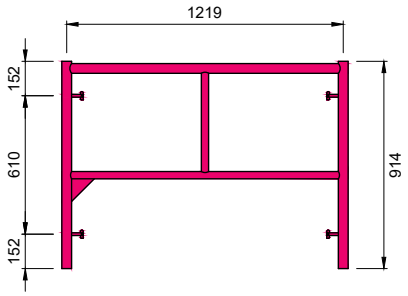
Frame 輕架	Coating	Weight
TFR-A1215	Painted	16.8 kg
TFR-A1215G	Galv.	16.8 kg



Frame 輕架	Coating	Weight
TFR-A1212L	Painted	13.8 kg
TFR-A1212LG	Galv.	13.8 kg



Frame 輕架	Coating	Weight
TFR-A1209L	Painted	10.1 kg
TFR-A1209LG	Galv.	10.1 kg



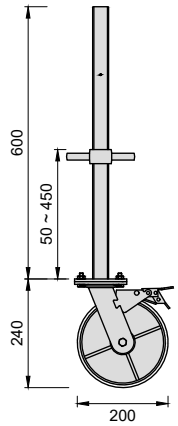
Base Bar 底座	Coating	Weight
TPT-BB1219	Painted	3.2 kg



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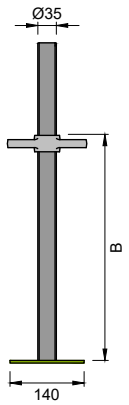
* All weights stated in catalog are for reference only.

Adj. Jack Castor 有制轆仔連積芯	Weight
TWH-2060PA	10.3 kg

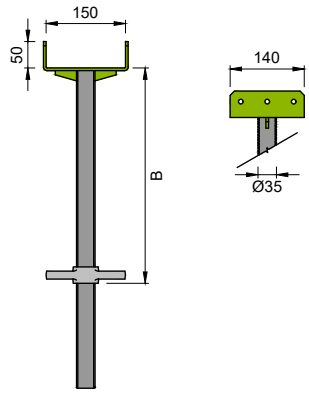


Static Safety Working Load	450 kg

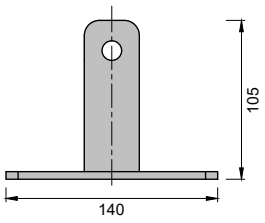
Base Jack 底積	B	Weight	Marking
TJK-40B	100 ~ 300	3.7 kg	Purple 淺紫
TJK-60B	100 ~ 450	4.9 kg	Green 綠
TJK-78B	100 ~ 600	5.9 kg	Magenta 洋紅



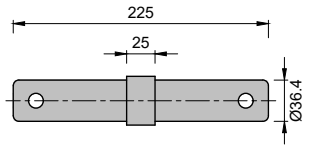
U-Head Jack 頂積	B	Weight	Marking
TJK-40H	100 ~ 300	4.2 kg	Purple 淺紫
TJK-60H	100 ~ 450	5.5 kg	Green 綠
TJK-78H	100 ~ 600	6.7 kg	Magenta 洋紅



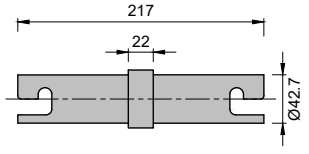
Base Plate 底座	Weight
TJK-A15BP	0.9 kg



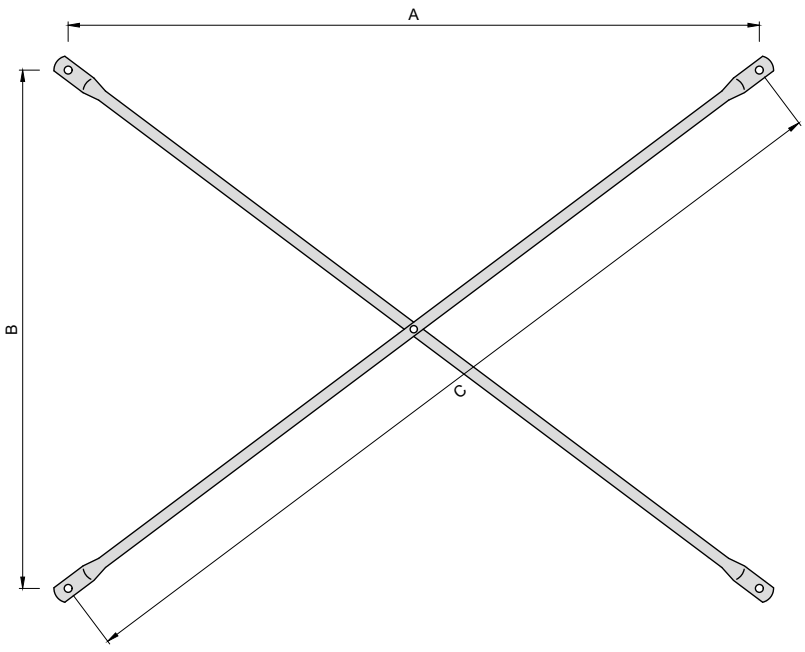
Joint Pin 駁心	Weight
TPN-A20J	0.4 kg



Coupling Pin 喉通駁心	Weight
TPN-B20C	0.6 kg



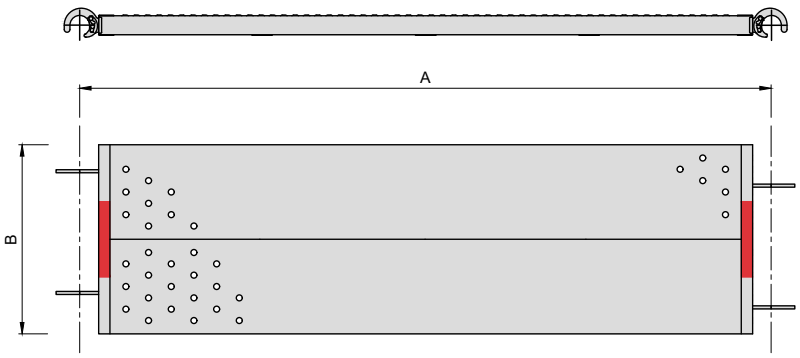
Cross Brace (Galv.) 較剪	A	B	C	Weight	Marking
TCB-X0606	610	610	863	1.6 kg	White 白
TCB-X0906	914	610	1099	2.2 kg	Purple 淺紫
TCB-X0909		914	1293	2.5 kg	Brown 啡
TCB-X1206	1219	610	1363	2.6 kg	Sky Blue 天藍
TCB-X1209		914	1524	2.9 kg	Green 綠
TCB-X1212		1219	1724	3.3 kg	Blue 藍
TCB-X1506	1524	610	1642	3.2 kg	Yellow 黃
TCB-X1512		1219	1952	3.7 kg	Orange 橙
TCB-X1806	1829	610	1928	3.7 kg	Pink 粉紅
TCB-X1809		914	2045	4.0 kg	Blue 藍
TCB-X1812		1219	2198	4.2 kg	Red 紅



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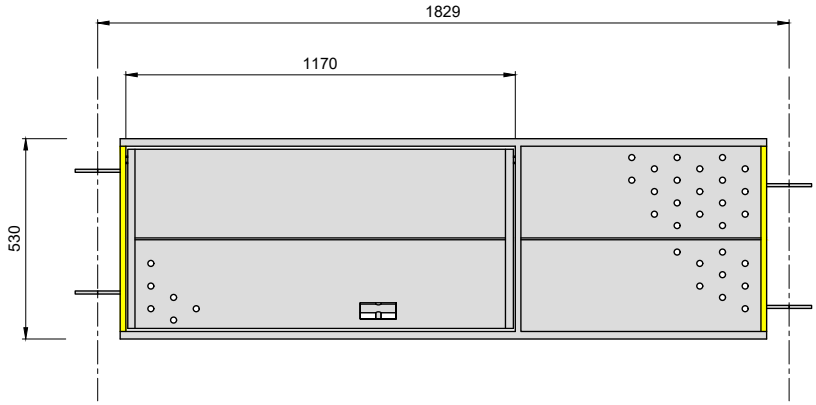
* All weights stated in catalog are for reference only.

Catwalk 平台板	A	B	Weight	Marking
RCA-1825	1829	250	9.3 kg	Red 紅
RCA-1850		500	17.3 kg	

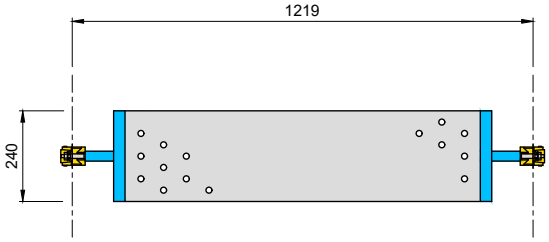


Catwalk Width	Safety Working Moment
...	0.51 kNm
500	1.03 kNm

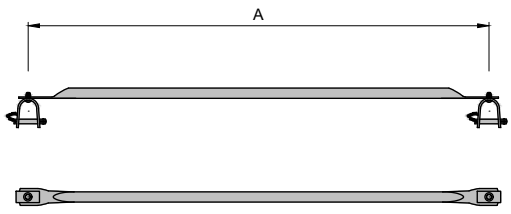
Catwalk 揭蓋平台板	Weight	Marking
TCA-60PA	20.0 kg	Yellow 黃



Toeboard 踢腳板	Weight	Marking
TTB-TK4FG	4.7 kg	Blue 藍



Guardrail 護欄桿	A	Weight	Marking
TGR-1219	1219	2.2 kg	Blue 藍
TGR-1829	1829	2.9 kg	Red 紅
Handrail 扶手	A	Weight	Marking
TGR-2677	2677	4.7 kg	Yellow 黃

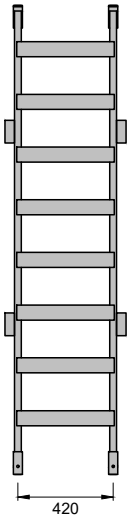


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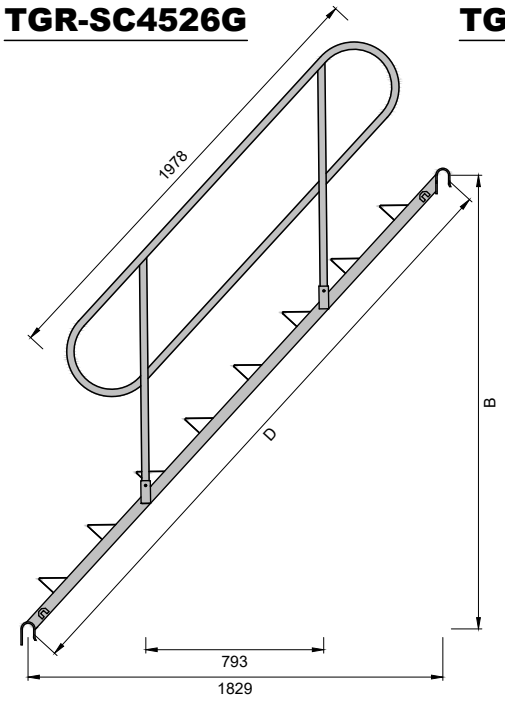
* All weights stated in catalog are for reference only.

Item Name	Code	A	B	D	Weight	Marking
Staircase 樓梯	***TSC-4525GB***	1829	1725	2514	21.0 kg	Yellow 黃
Staircase 樓梯	***TSC-4526GB***	1829	1955	2693	23.6 kg	Green 綠
Staircase Handrail for TSC-4526GB 樓梯扶手	***TGR-SC4526G***	-	-	-	5.9 kg	Orange 橙
	TGR-SC4526GA	-	-	-	4.0 kg	Green 綠

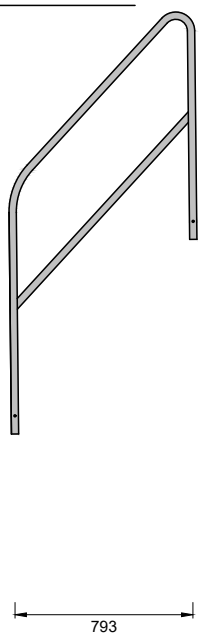
TSC-4526GB



TGR-SC4526G



TGR-SC4526GA





Toyo Scaffold Support for Concrete Slab

Location: Kowloon Station Development

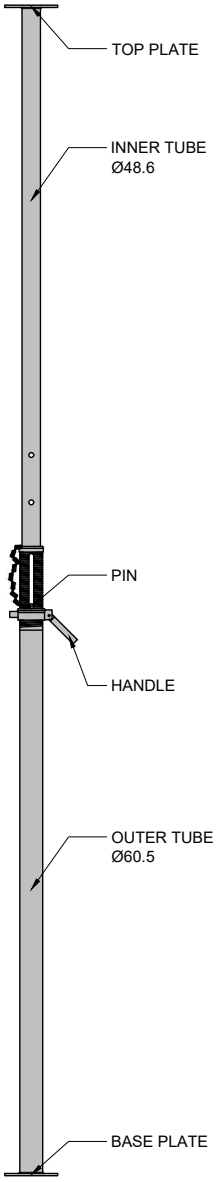
Toyo Scaffold Support for Flyover

Location: Wing Tai Road Flyover and Improvements to Associated Road Junctions, Chai Wan



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* All weights stated in catalog are for reference only.



STEEL PROP
輕型單頂

STEEL PROP (Galvanized) enhances the speed and economy of your construction.



HOW TO USE

- Set the pin into the hole of inner tube.
- Adjust the height by sliding the screw position.
- Props must be absolutely vertical or they lose their load-bearing characteristics.

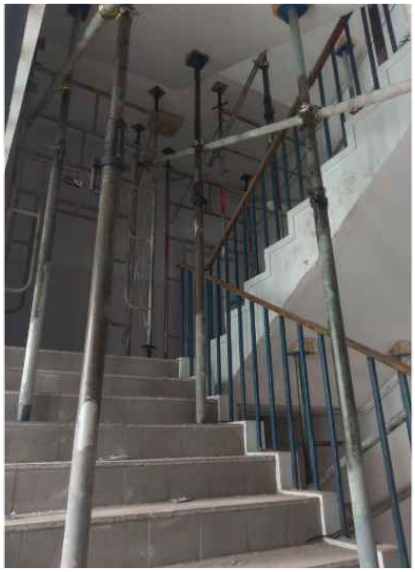
ADVANTAGES

- Easy to erect and dismantle.
- Easy to relocate the location and fixed.
- Less storage area required.

Steel Prop 輕型單頂	Min. Height	Max. Height	Safety Working Load	Factor of Safety	Weight	Marking
TSP-TS60G	1,850 mm	3,050 mm	25 kN	1.65	13.7 kg	Green 綠
TSP-TS70G	2,150 mm	3,350 mm			15.5 kg	Pink 粉紅
TSP-TS75G	2,290 mm	3,600 mm			15.9 kg	Blue 藍
TSP-TS90G	2,700 mm	3,900 mm			17.0 kg	Red 紅
TSP-MB85G	2,580 mm	3,940 mm			15.3 kg	White 白

APPLICATION

STEEL PROP can be applied in any situation where a low support load is required and the area is too small to use the Frame Type Supports. It's also commonly used for repropping during construction and demolition projects.





As pictured, the Housing Society "SoUk" Estate Renovation Program used our galvanized Steel Prop for their temporary support.

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Main Contractor	Contract / Project Site
Kaden - Leader Joint Venture	Contract 1126 - Reprovisioning of Harbour Road Sports Centre and Wan Chai Swimming Pool
China State - Shui On Joint Venture	Design and Construction of Hong Kong Children's Hospital
Gammon Construction Ltd	Construction of M+ Museum for the West Kowloon Cultural District Authority
Leighton Contractors (Asia) Ltd	Contract SS C505, Project H2634 - Construction of Liantang / Heung Yuen Wai Boundary Control Point
China State Construction Engineering (HK) Limited	Contract SSA503 - Design & Construction of Fire Services Training School cum Driving Training School at Pak Shing Kok, Area 78, Tseung Kwan O
Penta Ocean Construction Ltd	Construction of an Integrated Rehabilitation Services Complex at Ex-Siu Lam Hospital Site, Tuen Mun
Sanfield Engineering Construction Ltd	Proposed Residential Development at Hoi Fai Road, K.I.L. No. 11146
Penta-Ocean Construction Ltd	New Campus for The Hong Kong Design Institute and The Reprovisioning of HK IVE Lee Wai Lee Campus
Woon Lee Construction Company Ltd	Redevelopment of St. Paul's Co-Education Primary School Nam Fung Road, H.K.
Paul Y. Engineering Group Limited	University of Chicago Center in Hong Kong
Gammon Construction Limited	Museum+ West Kowloon Cultural District
Yau Lee Construction Company Limited	Contract 20170269 - Construction of Subsidised Sale Flats Development at Queen's Hill Site 1 Phase 3 and Portion of Phase 6
Build King - SKEC Joint Venture	Contract HY/2014/08 - Construction of Tunnel at Yau Ma Tei, Reconstruction of a Section of The Gasvoigne Road Flyover and Reprovisioning of Affected Public Facilities at Yau Ma Tei
Zhen Hua Engineering Company Limited	Contract EP/SP/66/12 (CHEC312) - Integrated Waste Management Facilities at Shek Kwu Chau
Yau Lee Construction Company Limited	Contract 20210207 - Long Bin Phase 1, Yuen Long
Shui On Building Contractors Limited	Construction of Public Housing Development at Sheung Shui Areas 4 and 30 Site 2 Phase 2
CR Construction Company Limited	Main Contract for Housing Development at Kai Tak Area 1E1 for Hong Kong Housing Society
Paul Y. Builders Limited	Contract 20220344 - Construction of Public Housing Development at Tung Chung Area 103
China Overseas Building Construction Limited	Construction of Public Housing Developments at Kam Sheung Road Site 1 Phases 1 & 2, Yuen Long (Contract No. 20230496)
Yau Lee Construction Company Limited	Contract No. : SSN516 (NEC4 ECC Option C) (for sites at Ma On Shan and 2 nos. of vacant school premises)
Yau Lee Construction Company Limited	Contract 20220521 - Design and Construction of Public Housing Developments at Tung Chung Area 114 and 117

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PECCO SUPPORT 四柱頂
QUADSHORE SUPPORT 豬籠架

ECONOMIC EFFICIENCY

- Reduce construction cost per unit area.

FUNCTIONALITY

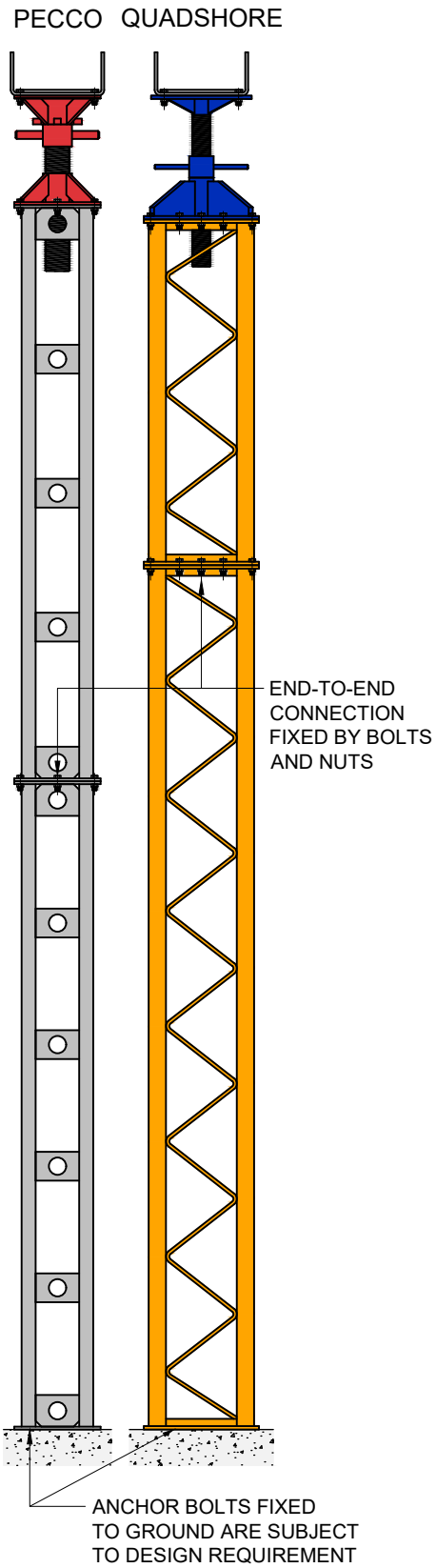
- Designed in a perfect symmetric figure.
- Can be easily braced by single scaffold tube and coupler.
- A jack is commonly used on the upper and lower ends, allowing for an adjustable range: Pecco Support- 280 mm to 580 mm
  Quadshore Support- 298 mm to 512 mm
- Main body has various sizes depending on the required height at site - additional height can be adjusted with the combination of support jack(s) on both ends.





DESIGN NOTES

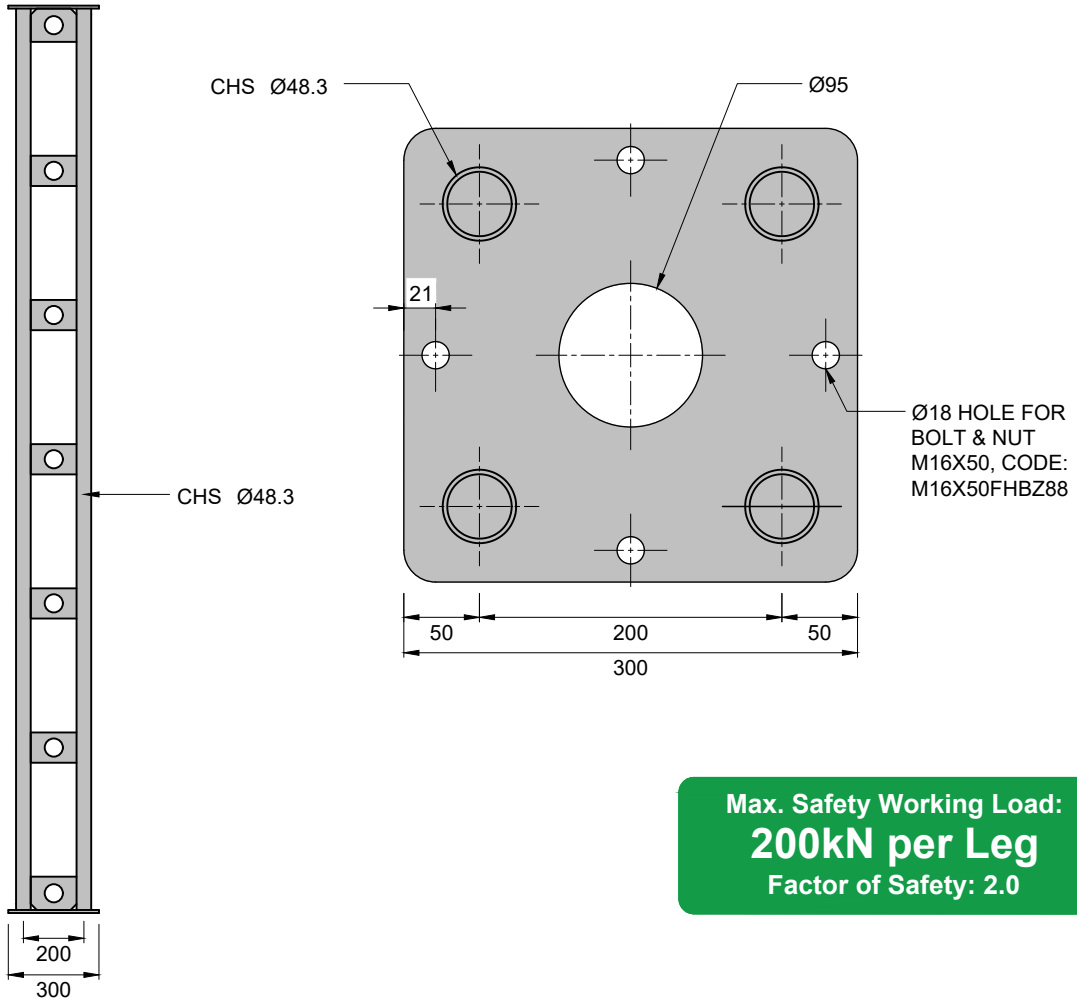
1. Safety Working Load: Pecco Support: 200 kN (20 tonne)
   Quadshore Support: 365 kN (36.5 tonne)
2. To secure end-to-end connections, bolts and nuts should be used.
   Pecco Support: 4 nos. M16 x 50 HT
   Quadshore Support: 12 nos. M16 x 50 HT
3. If maximum load is applied, the following should not be allowed:
   a. apply on eccentric load to either the square support body or jack; or apply a horizontal load to either supports.
   b. having a connection between two bodies that's not perfectly flush against each other.
   c. erecting on uneven settlement or foundation that is unable to sustain the required load.
4. Square support jack should be greased every time before used.
5. Try to prevent applying eccentric or horizontal force on and deformed or damaged square support body shall not be allowed for use.
6. Special attention should be made when the height of the erected support bodies are to increase in order to maintain overall stability of the support.
7. Bolts used to connect the square support bodies and/or jack must be tightened before continuing erection or use.



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Main Body 四柱頂	Height, H	Weight	Marking
PSP-SSH025	250*	18.4 kg	Pink 粉紅
PSP-SSH050	500*	20.0 kg	Yellow 黃
PSP-SSH065	650	23.2 kg	Sky-Blue 天藍
PSP-SSH075	750	24.3 kg	Purple 淺紫
PSP-SSH100	1000*	26.7 kg	Orange 橙
PSP-SSH125	1250	31.3 kg	Green 綠
PSP-SSH150	1500*	34.0 kg	Blue 藍
PSP-SSH200	2000*	41.0 kg	White 白
PSP-SSH225	2250	45.2 kg	Brown 啡
PSP-SSH250	2500	48.0 kg	Pink 粉紅
PSP-SSH300	3000	55.0 kg	Red 紅

* Common Body Length



Max. Safety Working Load:
200kN per Leg
Factor of Safety: 2.0

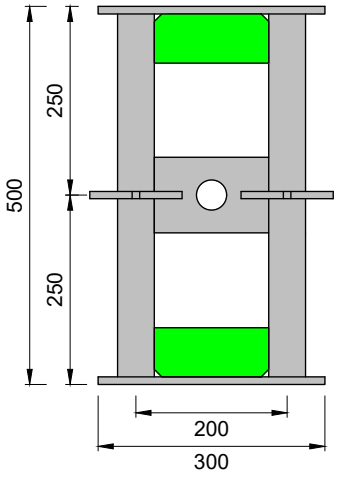
PECCO Support Body Section Properties

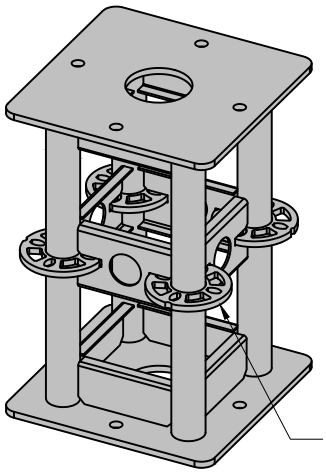
Cross Section Area, A	Radius of Gyration, i_x	Elastic Section Modulus, Z_x	Second Moment of Area, I_x
13.932 cm^2	10.13 cm	141.21 cm^3	1,430.5 cm^4

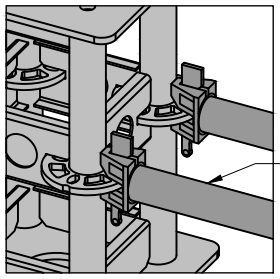
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* All weights stated in catalog are for reference only.

Body with Rosette 四柱頂連碟架圓盤	Height, H	Weight	Marking
PSP-SSH050R	500	27.2 kg	Yellow 黃
PSP-SSH100R	1000	37.2 kg	Orange 橙
PSP-SSH150R	1500	47.8 kg	Blue 藍
PSP-SSH200R	2000	58.0 kg	White 白



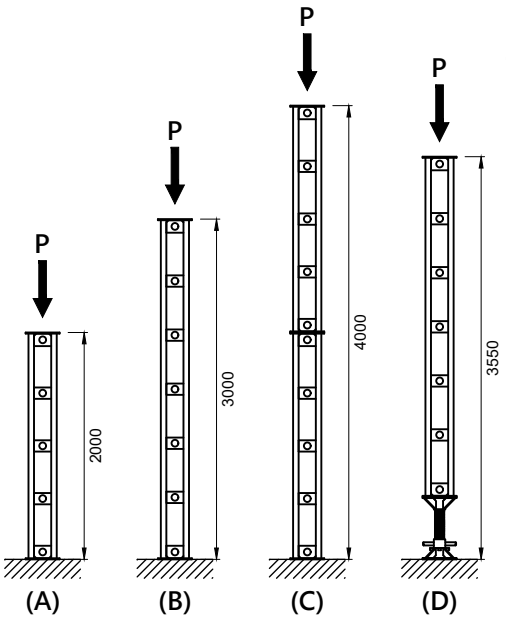


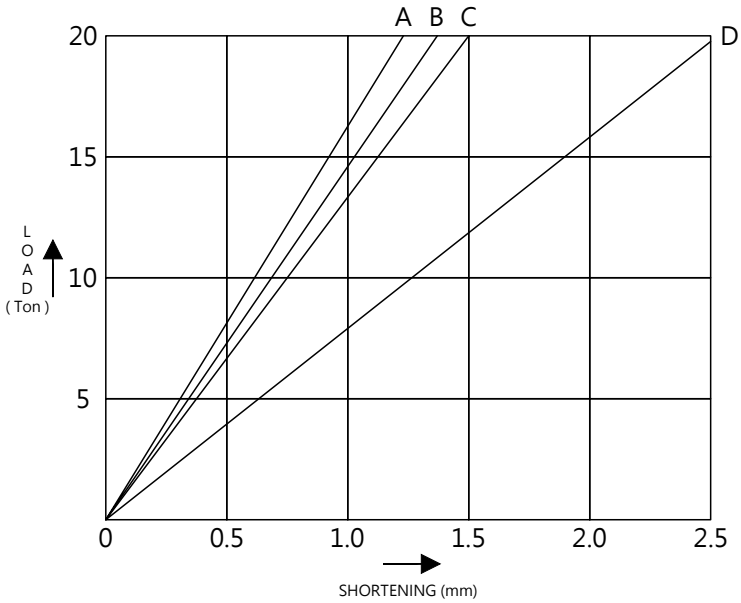


Connection Detail

Pecco Support Technical Data

A.	BODY PSP-SSH200	1 UNIT
B.	BODY PSP-SSH300	1 UNIT
C.	BODY PSP-SSH200	2 UNIT
D.	BODY PSP-SSH300	1 UNIT
	+ JACK PJK-SSJ58	1 UNIT





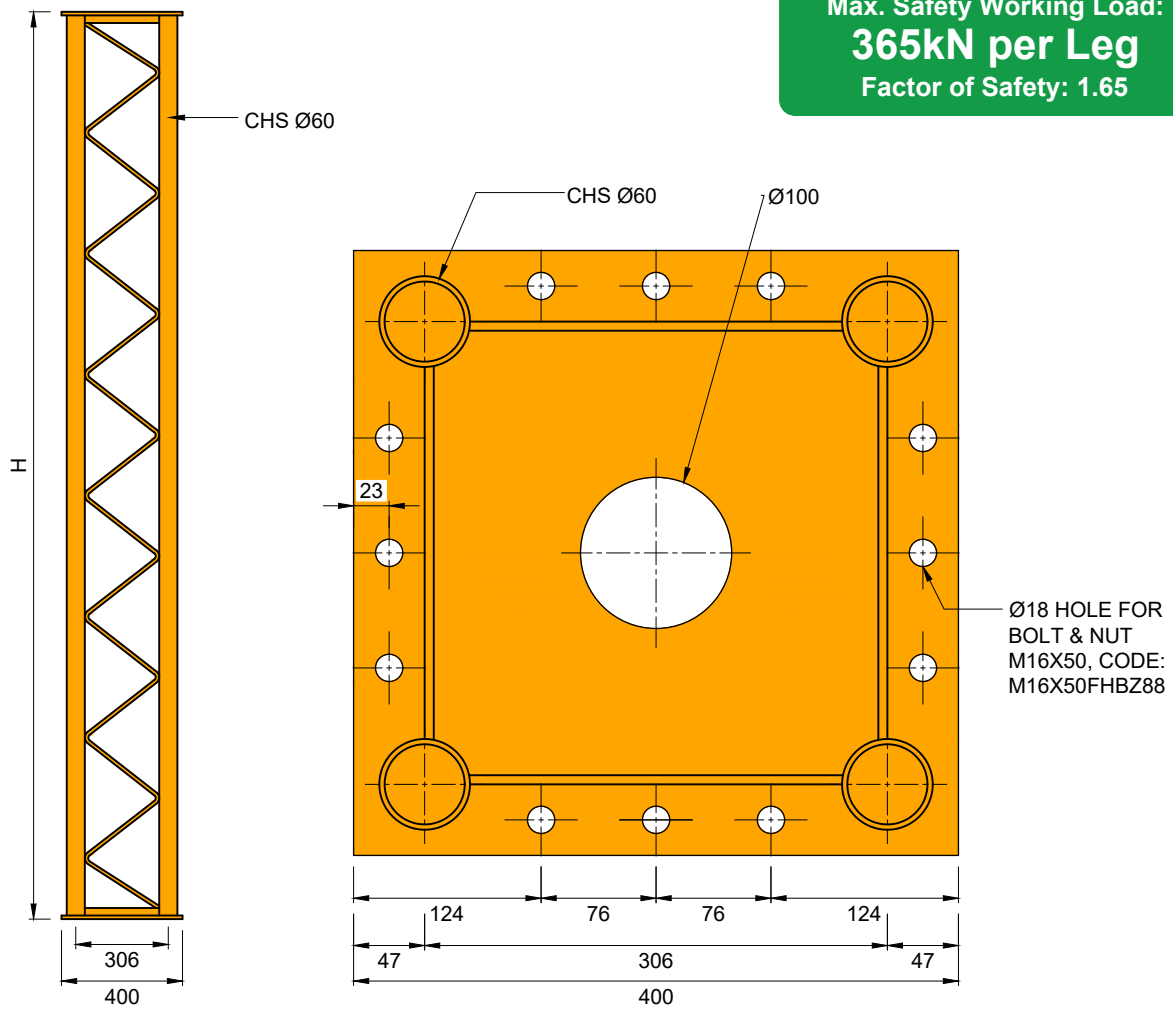
Case	Yield Point	Ultimate Load	Shortening at 20 Ton Load
A	45.0 Ton	58.6 Ton	1.23 mm
B	43.0 Ton	57.2 Ton	1.37 mm
C	41.0 Ton	56.4 Ton	1.50 mm
D	39.0 Ton	51.4 Ton	2.53 mm

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Main Body 豬籠架	Height, H	Weight	Marking
QSP-025	250*	39.5 kg	Pink 粉紅
QSP-050	500*	44.4 kg	Red 紅
QSP-060	600	47.1 kg	Sky-Blue 天藍
QSP-080	800	52.4 kg	Purple 淺紫
QSP-085	850	53.5 kg	Yellow 黃
QSP-100	1000*	57.4 kg	Orange 橙
QSP-120	1200	62.5 kg	Green 綠
QSP-150	1500*	70.5 kg	Blue 藍
QSP-200	2000*	82.8 kg	White 白
QSP-300	3000	108.4 kg	Red 紅

* Common Body Length

Max. Safety Working Load:
365kN per Leg
Factor of Safety: 1.65



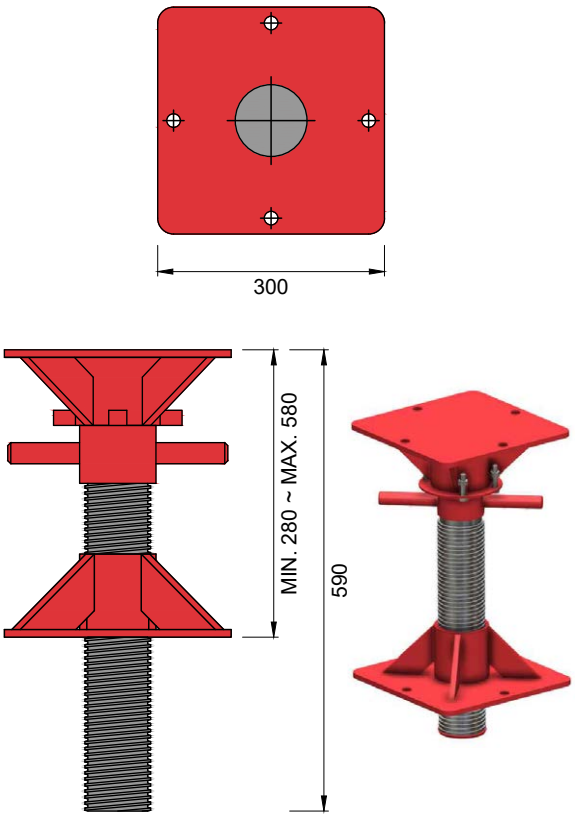
QUADSHORE Support Body Section Properties

Cross Section Area, A	Radius of Gyration, i_x	Elastic Section Modulus, Z_x	Second Moment of Area, I_x
24.84 cm^2	15.13 cm	379.23 cm^3	5688.52 cm^4

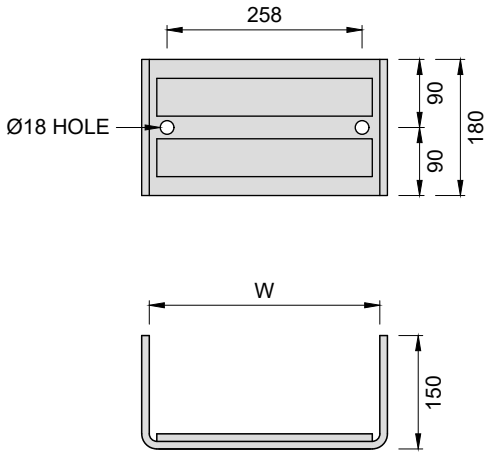
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* All weights stated in catalog are for reference only.

PECCO Support Jack 四柱頂重積	Weight
PJK-SSJ58	33.0 kg

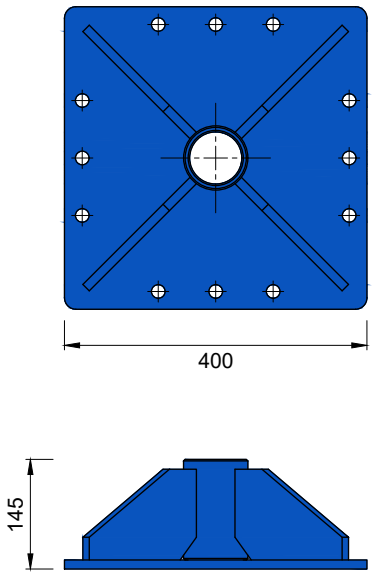


U-Head U形頭	W	Weight	Marking
PJK-SSU31	305	11.3 kg	Blue 藍
PJK-SSU35	325	11.8 kg	Pink 粉紅
PJK-SSU38	340	12.3 kg	N/A

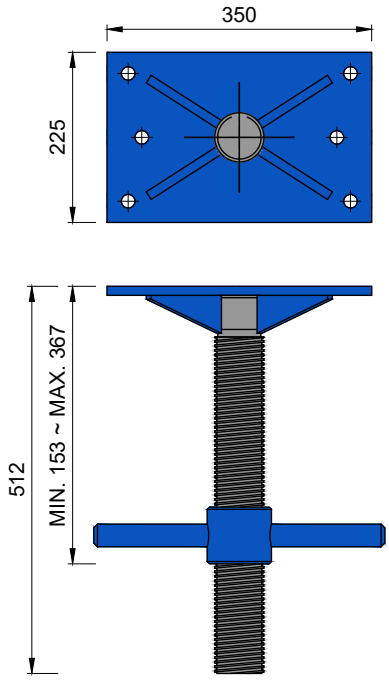


- Suitable for both PECCO or QUADSHORE support system

QUADSHORE Jack Adaptor 豬籠架底座	Weight
QJK-JAD	23.0 kg



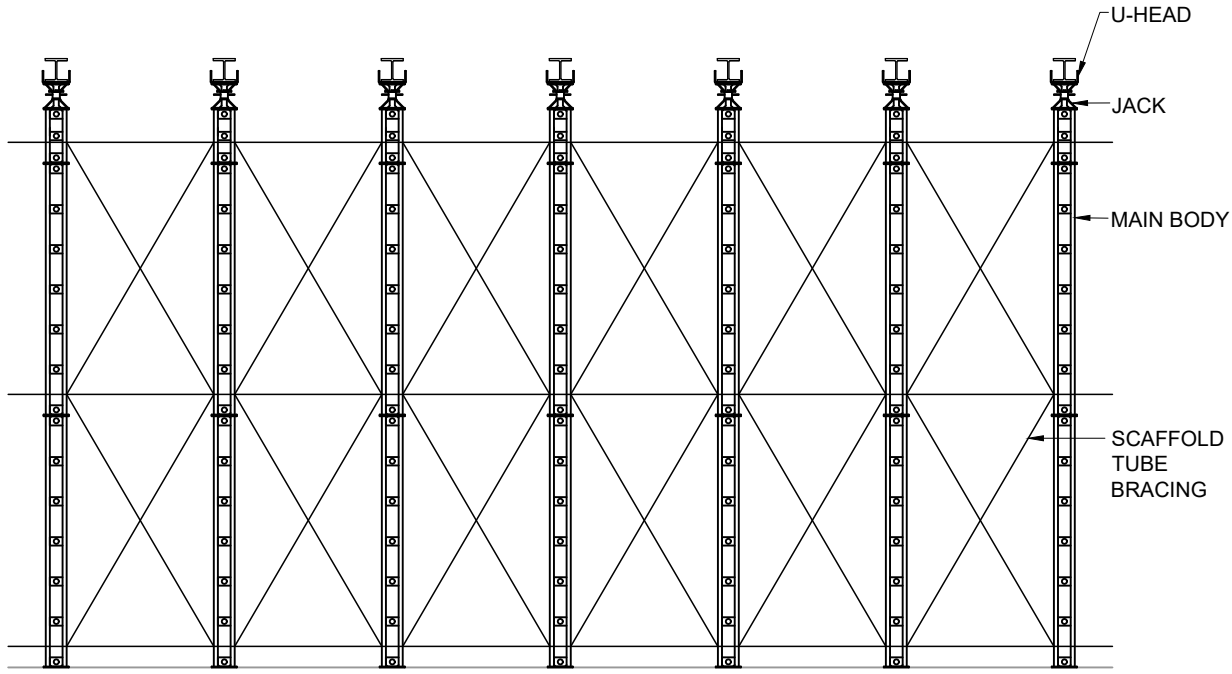
QUADSHORE Flat Head Jack 豬籠架平頂積	Weight
QJK-FHJ	23.3 kg



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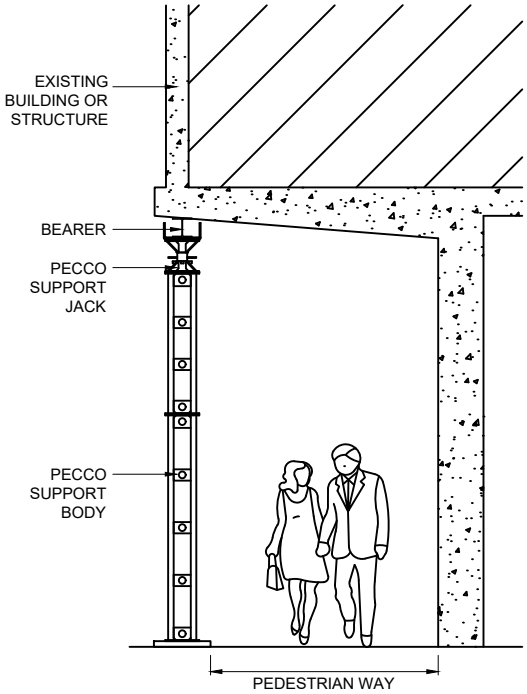
* All weights stated in catalog are for reference only.

General Bracing Configuration 一般支撐組合示例

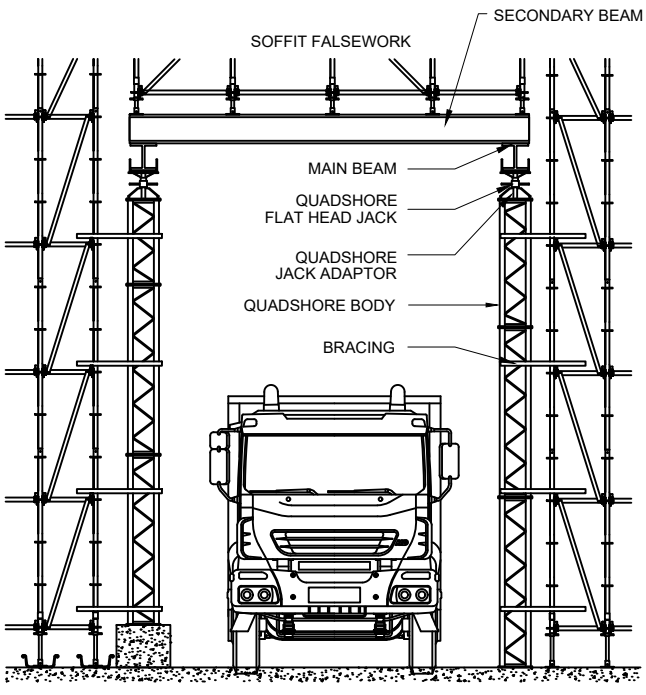


GENERAL RULES FOR BRACING

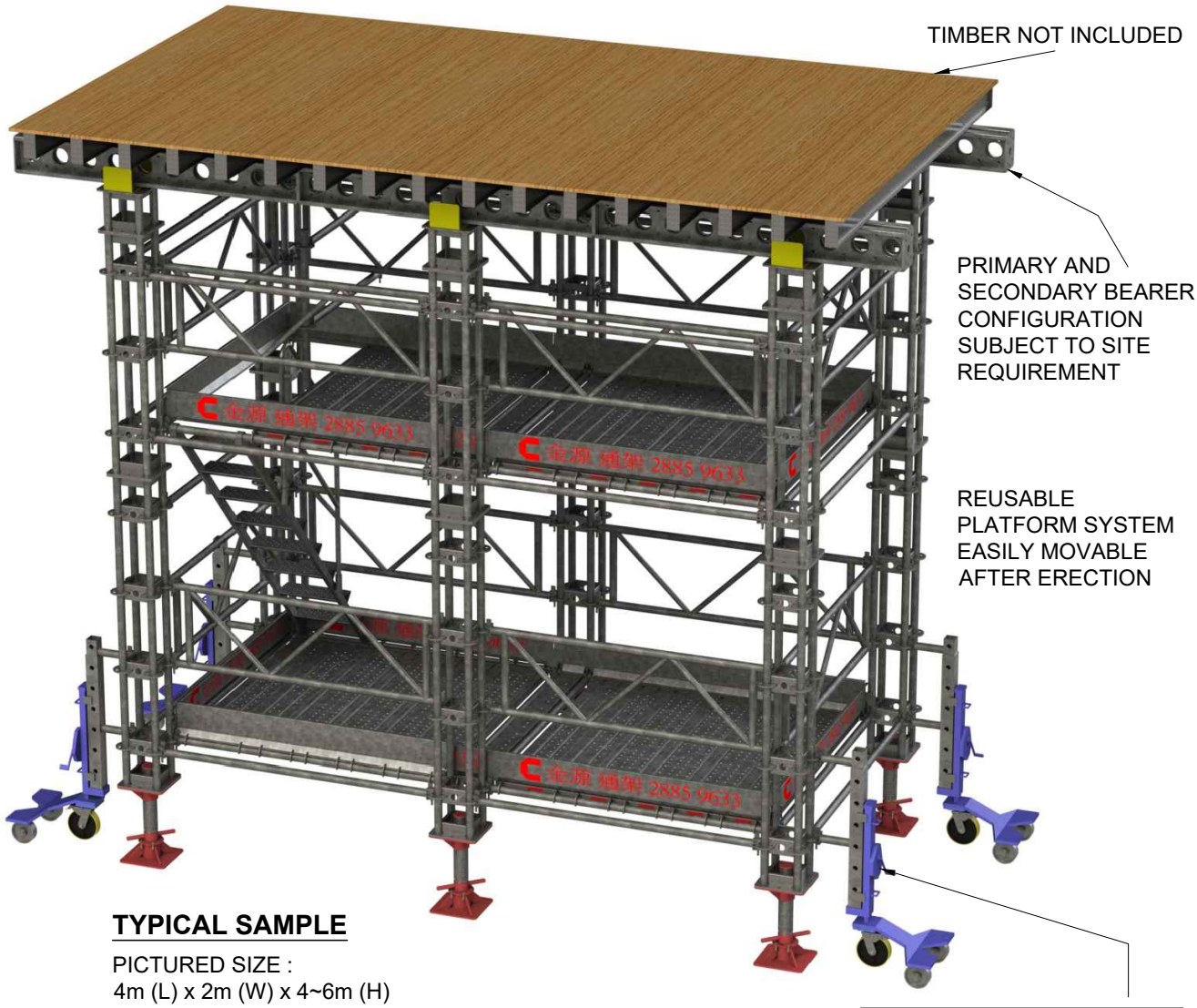
Backpropping



Temporary Vehicular Opening



MOVABLE TABLEFORM SYSTEM
移動式檯模系統



TYPICAL SAMPLE

PICTURED SIZE :
4m (L) x 2m (W) x 4~6m (H)

Mobile Lifting Device	
Loading Capacity	3 Ton
Weight	58 kg
Lifting Range	0.4-1.2 m

KEY FEATURES 主要特點

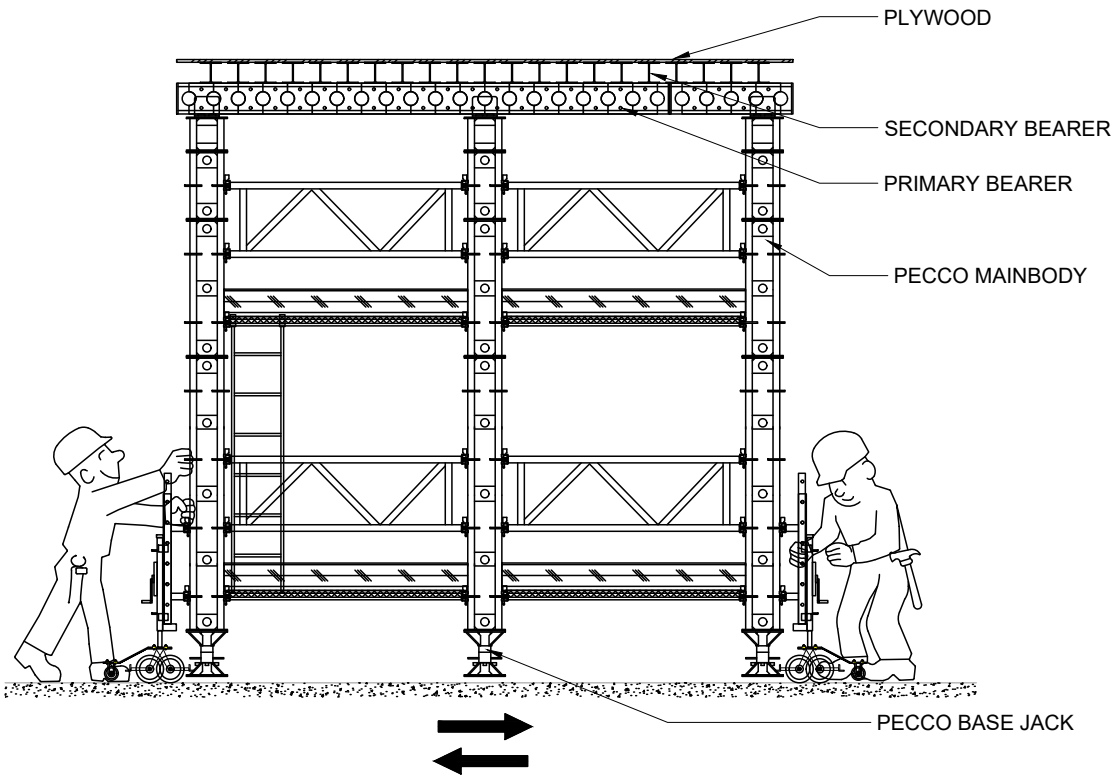
- Modular system providing efficiency and flexibility for project site constraints
  模組化系統，高效靈活，可應對地盤現場的各種限制
- Used for constructing horizontal slabs of heavy structures
  用於建造重型結構的水平樓板
- Reusable platform system easily movable after erection
  可重複使用的平台系統，安裝後易於移動
- Lifting device: conveniently attached to rosettes on Pecco body
  起升裝置，便捷地連接至四柱頂主體上的碟架圓盤

Max. Safety Working Load:
200kN per Leg
Factor of Safety: 2.0

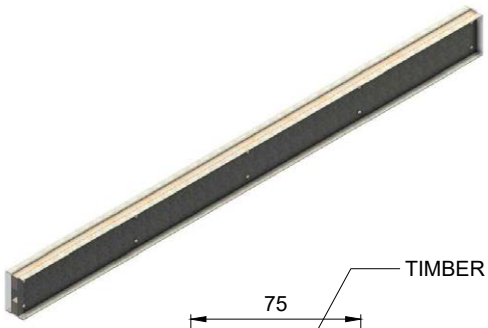
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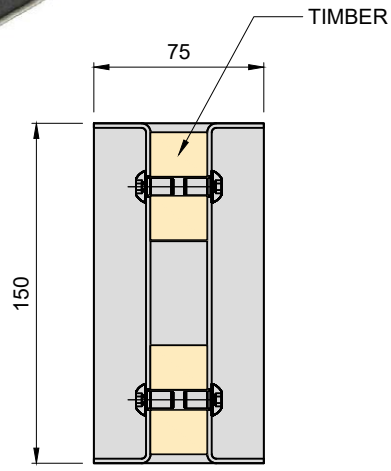
Demonstration 使用演示



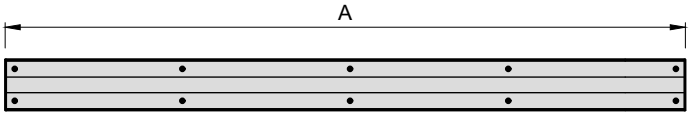
FORMWORK BEAM
模板樑



Canyon's latest product providing the right balance of strength between bending and shear: the Formwork Beam allows for affordable and sustainable solutions for construction of concrete slabs. The steel design with timber slabs (for ease of nails for formwork mould) in between may be used as a primary or secondary bearer and easily handled by 2 workers.



Item Code	Length (A)	Weight (No Timber)	Weight
FFB-2000	2000 mm	12.80 kg	14.65 kg
FFB-3000	3000 mm	18.96 kg	21.73 kg
FFB-4000	4000 mm	25.11 kg	28.80 kg



Formwork Beam Section Properties		
Cross Section Area (A)	7.84	cm^2
Radius of Gyration (i_x)	5.22	cm
Elastic Section Modulus (Z_x)	28.43	cm^3
Second Moment of Area (I_x)	213.26	cm^4

RINGLOCK GIANTSHORE

碟型組合大力頂

PATENT NO: HK30052164

Introducing Canyon's latest heavy duty supports, designed to optimize overall construction cost per unit area while withstanding a max. S.W.L. of 580 kN. The specialty of the Giantshore's design is it provides built-in standard Ringlock rosettes on the vertical tubes so that standard Ringlock horizontal and diagonal components can be conveniently used as connecting members (scaffold tubes and couplers may still be used for non-standard lengths). The Ringlock rosette component on the Giantshore allows for members to be connected on all four sides, which can efficiently form a self-standing tower support.



Project: Contract No. NE/2015/01 – Tseung Kwan O to Lam Tin Tunnel – Main Tunnel and Associated Works
Client: Leighton-China State Joint Venture

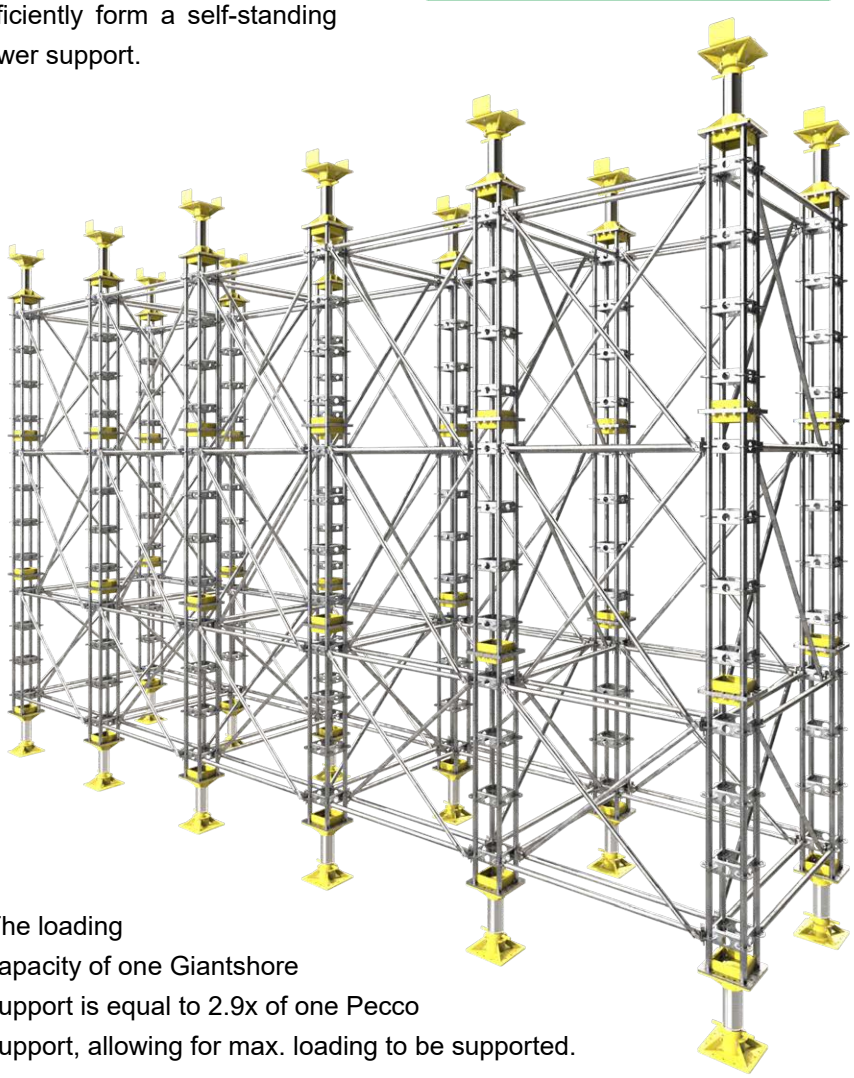
Max. Safety Working Load:
580kN per Leg
Factor of Safety: 1.65



Once the Ringlock Giantshore tower is completely erected, fine tune adjustments may be made in preparation for the bridge construction.



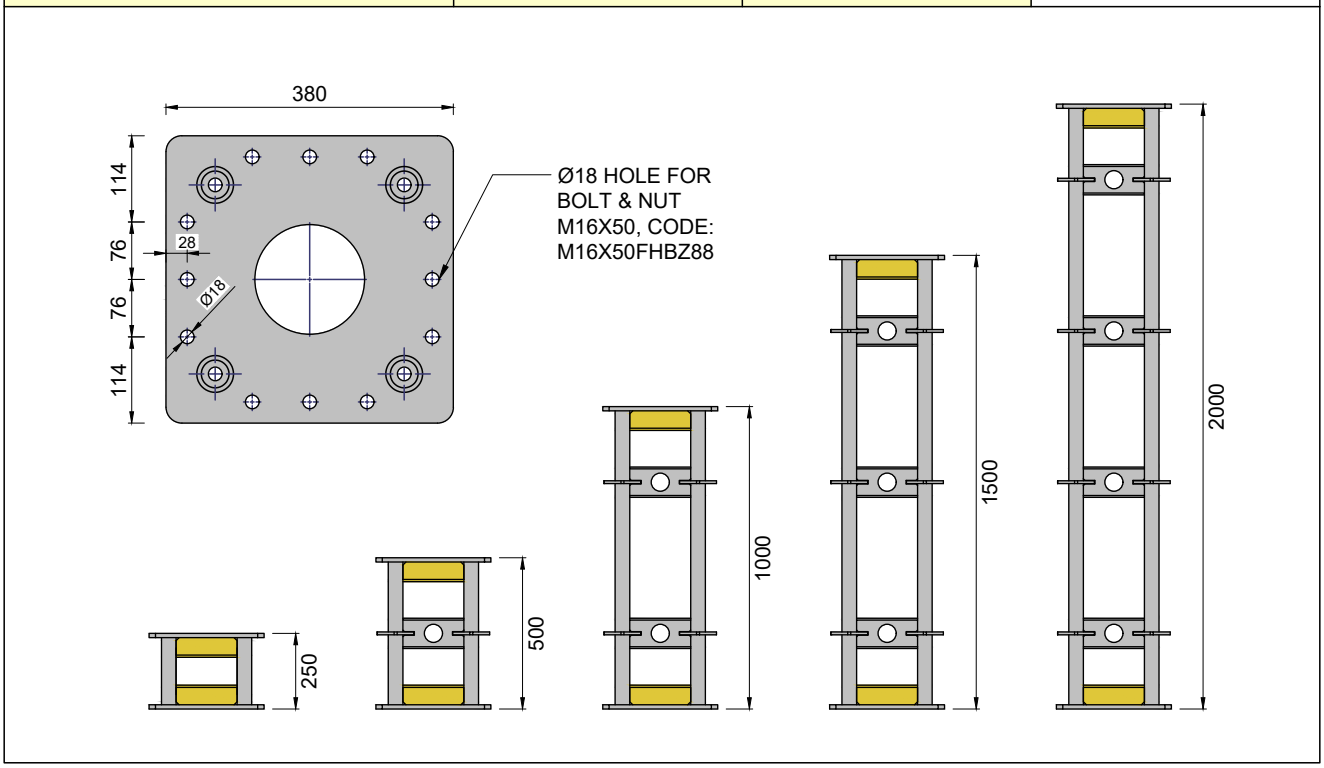
The versatility of the Ringlock Giantshore allows for standard working platform to be erected upon completion of the tower.



The loading capacity of one Giantshore support is equal to 2.9x of one Pecco support, allowing for max. loading to be supported.

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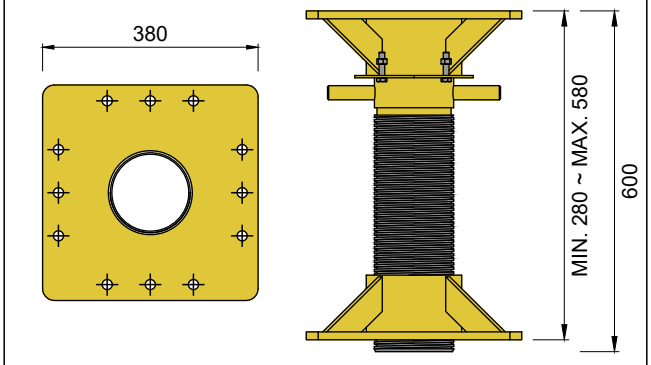
Main Body 大力頂	Height, H	Weight	Marking
RSP-GS025	250	38.7 kg	Pink 粉紅
RSP-GS050	500	54.6 kg	Yellow 黃
RSP-GS100	1000	71.7 kg	Green 綠
RSP-GS150	1500	88.8 kg	Orange 橙
RSP-GS200	2000	105.9 kg	White 白



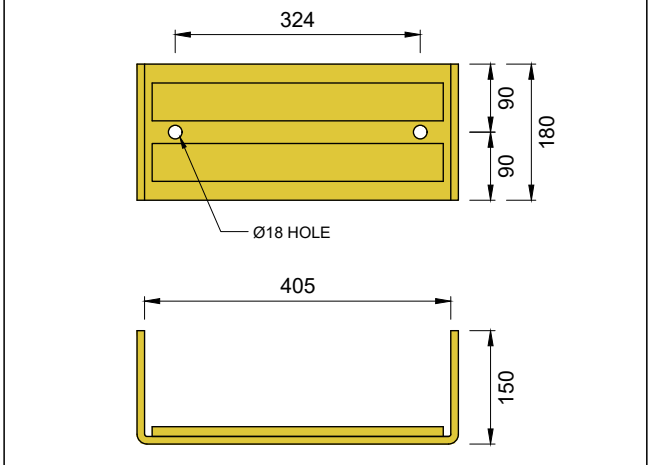
RINGLOCK Giantshore Body Section Properties

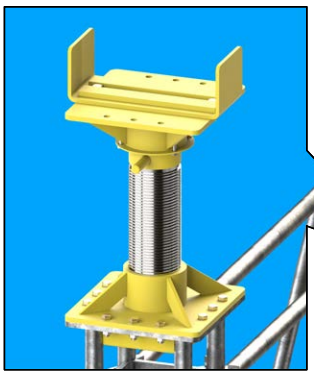
Cross Section Area, A	Radius of Gyration, i_x	Elastic Section Modulus, Z_x	Second Moment of Area, I
31.893 cm^2	12.59 cm	404.49 cm^3	5,056.12 cm^4

Giantshore Support Jack 大力頂積頭	Weight
RJK-GSJ58	78.1 kg

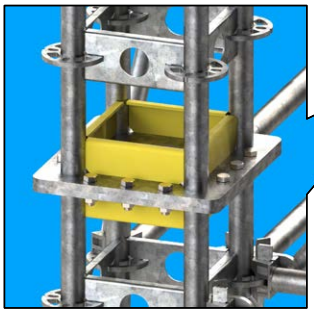


U-Head U形頭	Weight
RJK-SSU41	13.7 kg

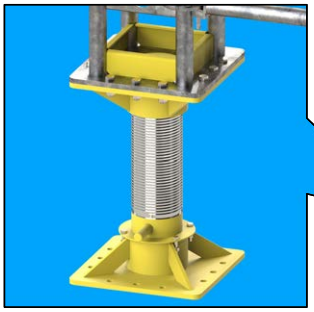




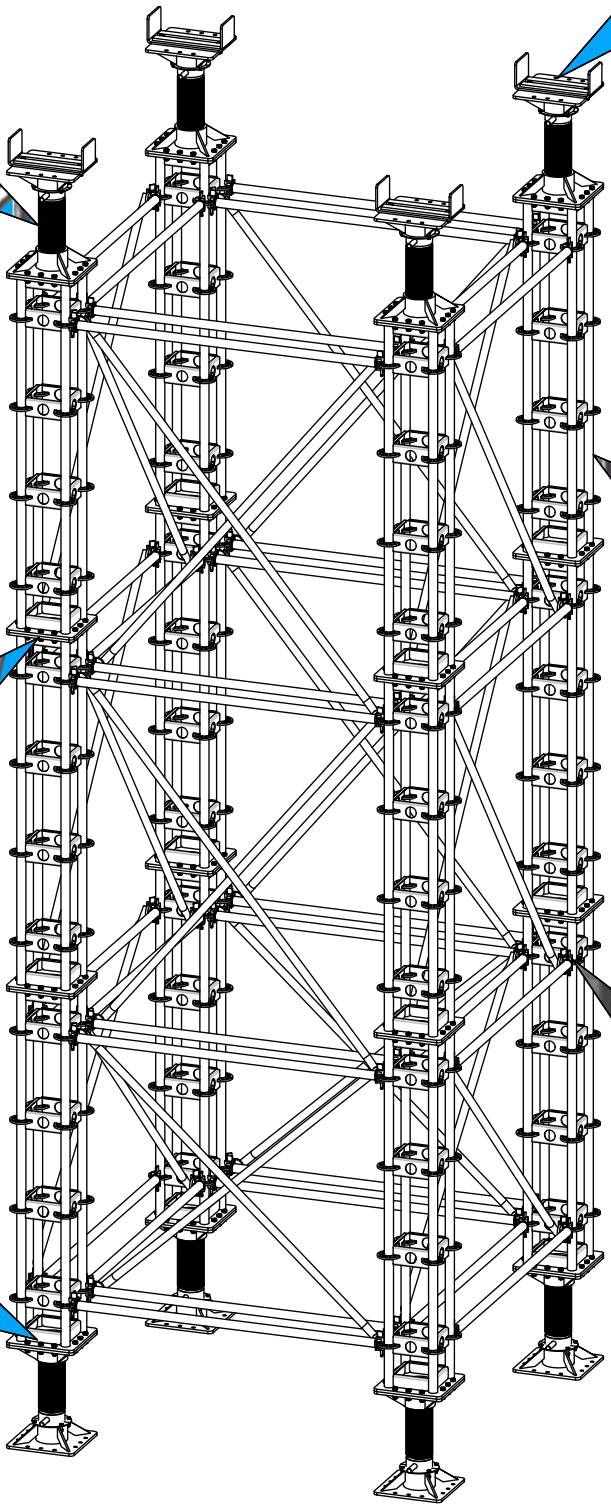
The Giantshore Jack is designed to allow for 280 ~ 580mm adjustable extension to suit the construction site's requirement; jacks should be greased before every use.

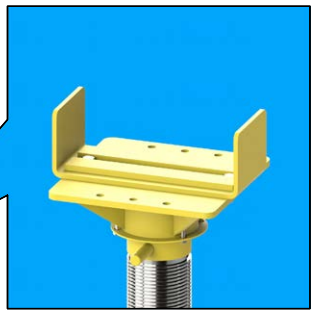


To secure end-to-end connections, 12 nos. of M16 (HT) bolts and nuts should be used; be sure to tighten before continuing erection or use.

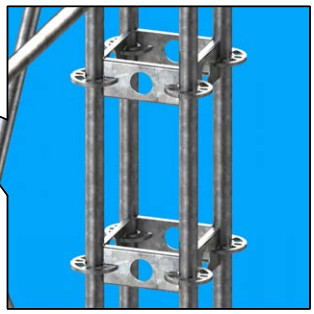


Bottom jack optional subject to site requirements. Anchor bolts fixed to ground are subject to design requirement.

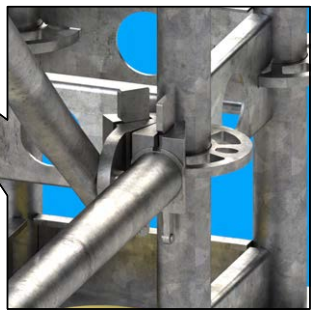




The U-head shall be secured to the support jack by 2 nos. of M16 bolts and nuts, and provides clear width of 405mm for I-beam or steel bearer.



Standard Ringlock rosette spacing at 500mm provided on vertical tubes.

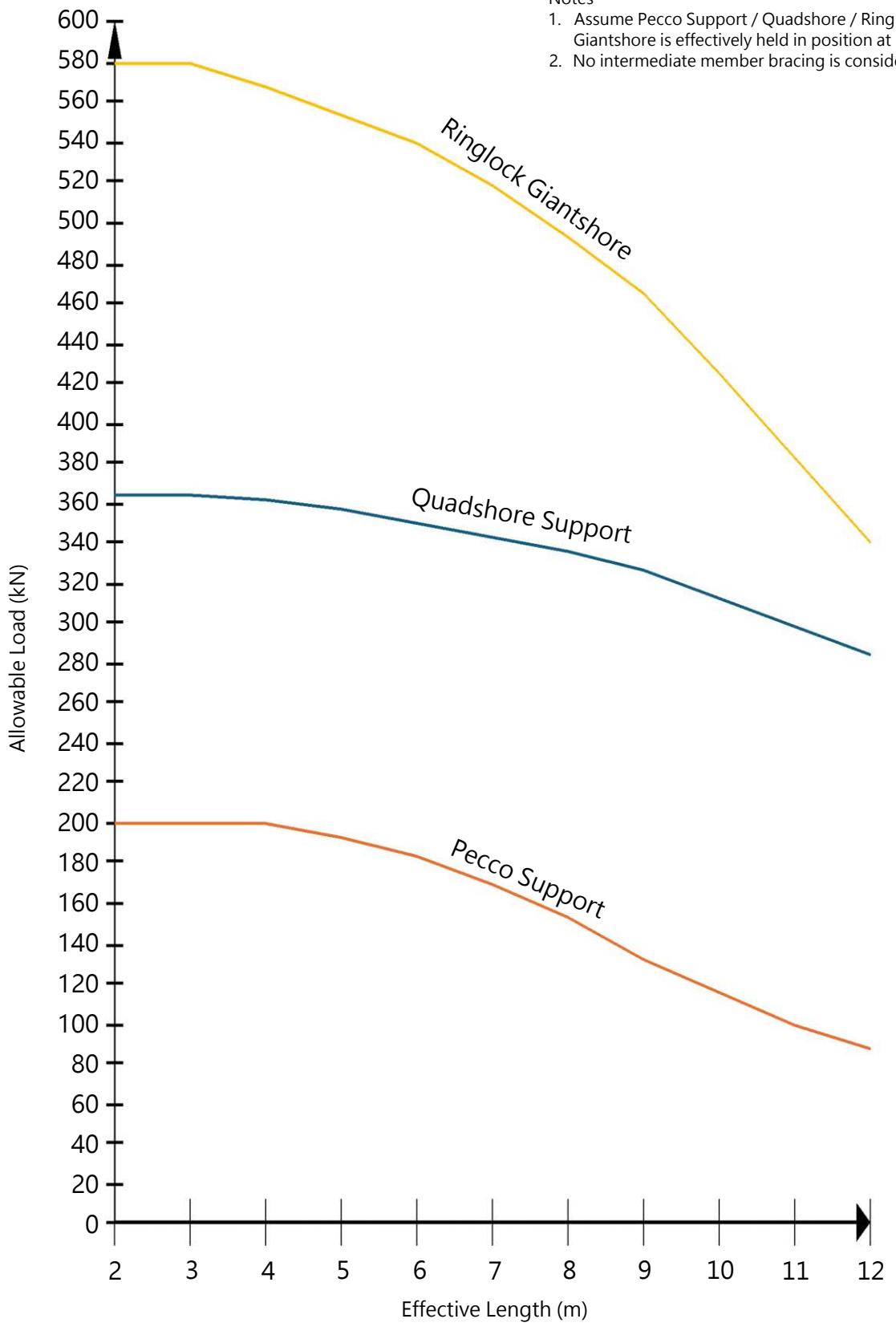


The Ringlock rosette design allows for both horizontal and diagonal bracings to be efficiently connected.

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Pecco Support / Quadshore / Ringlock Giantshore Load Chart

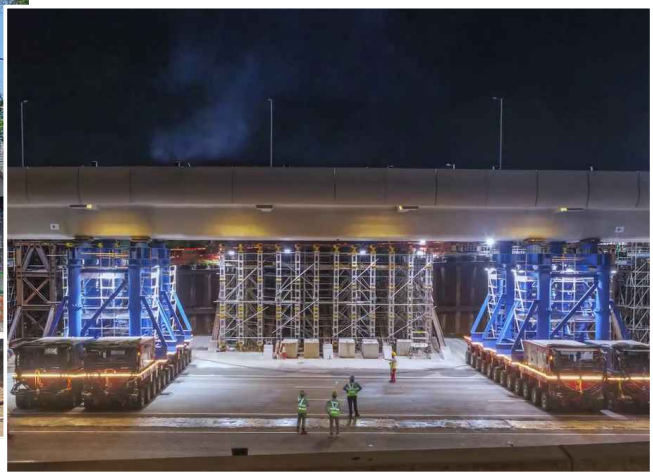
Notes
1. Assume Pecco Support / Quadshore / Ringlock Giantshore is effectively held in position at both ends.
2. No intermediate member bracing is considered.



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QUADSHORE:
Contract KL/2015/03 - Kai Tak Development, Stage 3B Infrastructure Works at Former North Apron Area

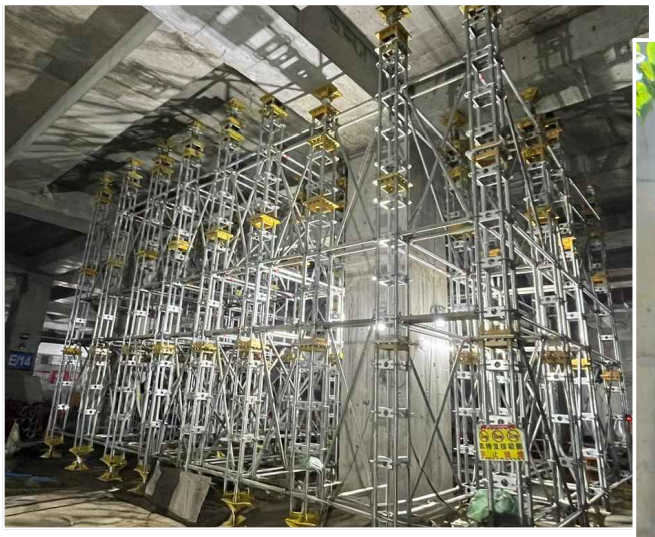


GIANTSHORE:
Contract NL/2020/07, Project 2112 - Tung Chung New Town Extension, Tai Ho Interchange





PECCO:
Contract CV/2020/01 - Site Formation & Infrastructure Works for the Public Housing Development at Pok Fu Lam South



GIANTSHORE:
New Acute Hospital at Kai Tak Development Area



PECCO:
Stanley, Hong Kong

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Main Contractor	Contract / Project Site
Nishimatsu Construction Company Limited	Contract 902 - Nam Fung Tunnel and Ventilation Buildings
China State Construction Engineering (HK) Ltd	Construction of Public Rental Housing Development at Shatin Area 52 Phases 3 & 4
Yau Lee Construction Company Ltd	Contract SSD502 - Design and Construction of Kwun Tong Staff Quarters at 4 Tseung Kwan O Road
Hip Hing Construction Company Ltd	Proposed Residential Development at LOHAS Park Package 5, Tseung Kwan O
Shui On Building Contractors Ltd	Contract 20150611 - Construction of Public Rental Housing Development at Shek Kip Mei Estate Phases 3, 6 & 7
Able Contractors Limited	Contract SF F501 - Design and Construction of Redevelopment of Queen Mary Hospital at Pok Fu Lam Road, Hong Kong, Phase I - Main Works
Dragages Hong Kong Limited	Contract CV/2012/08 - Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works
Leighton Contractors (Asia) Limited	Contract H2634 - Lian Tang / Heung Yuen Wai Boundary Control Point
Leader Joint Venture	Contract 1106 - Diamond Hill Station Extension
China Overseas Building Construction Limited	Contract LP10 - Development of LOHAS Park Phase X, Tseung Kwan O
Hoi Wang Metal Scaffolding Engineering Limited	Main Contract for External Wall Maintenance & Repainting Works of Cathay Pacific Headland Hotel, Hong Kong International Airport
China State Construction Engineering (HK) Limited	Superstructure and Associated Works Contract for Redevelopment of Kwong Wah Hospital (Phase 1)
China State Construction Engineering (HK) Limited	Contract J141 - Development of Hostel & Academic Building Complex, 30 Renfrew Road, Hong Kong Baptist University
Build King - SK Ecoplant Joint Venture	Contract HY/2014/20, Project 1826 - Central Kowloon Route, Yau Ma Tei West
Build King Civil Engineering Limited	Contract DC/2019/07 - Outlying Islands Sewerage, Stage 2, Upgrading of Cheung Chau Sewage Treatment and Disposal Facilities
Paul Y. - CIMC - JEC Joint Venture	Contract C21W02 - Automated Car Park A, Phase 1, Hong Kong International Airport
Build King Civil Engineering Limited	Contract NL/2020/07, Project 2112 - Tung Chung New Town Extension - Tai Ho Interchange
China Harbour Engineering Company Limited	Contract SSJ510, Project C327 - Provision of Columbarium, Garden of Remembrance & Related Works at On Hing Lane, Shek Mun, Sha Tin
Yau Lee Construction Company Limited	Contract SS H504 - Design & Construction of Chai Wai Government Complex and Vehicle Depot
Gammon Construction Limited	Contract J9063 - Cyberport Expansion Project
China State Construction Engineering (HK) Limited	New Acute Hospital at Kai Tak Development Area

Website : http://www.canyonhk.com Tel : (852) 2885 9633 Fax : (852) 2567 1611 Email : general@canyonhk.com

ALUMINIUM LORRY ACCESS LADDER

貨車上落鋁梯

PATENT NO: HK1238865

CERTIFIED TO BS EN 131

Providing a reliable & lightweight solution to all your lorry access needs. The ladder is designed for safety & convenience so that workers can easily access the lorry container by installing it on any standard lorry sideboard.



Item Code	Steps	H	D	L	Weight
LSC-LA4513	**.**	1250	1325	1533 ~ 1908	9.5 kg
LSC-LA4515	***6***	1500	1575	1783 ~ 2158	10.5 kg

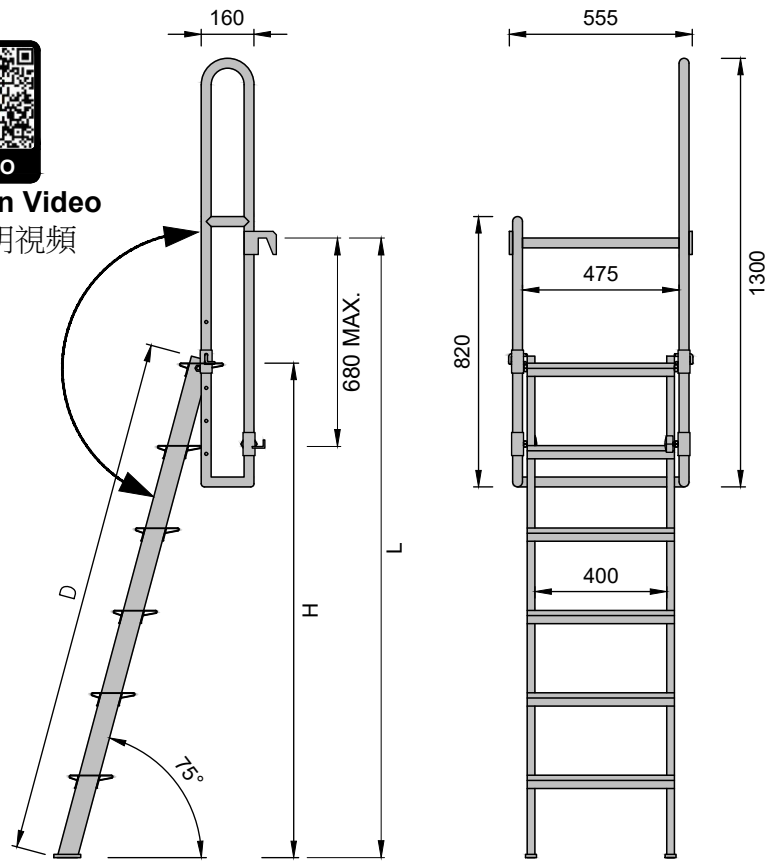




Canyon's ladder has been tested per BS EN 131 and obtained the Hong Kong Safety Mark certification.

VIDEO

Instruction Video
使用說明視頻



ADVANTAGES 優點

SAFETY 安全:

Ladder's built-in handrail protects workers from stumbling or falling off during use. 貨車上落鋁梯已內置扶手可防止工人在上落貨車的過程中絆倒或掉落。

FLEXIBILITY 靈活:

Designed with an adjustable lock, the ladder can be fitted and installed on a range of lorry containers (up to 670 mm). 梯子設計有可調節的鎖，可以安裝在各類貨車車斗上 (最大 670 毫米)。

DURABILITY 耐用:

Assured strength & sturdiness with its aluminium alloy. 鋁合金擁有高強度和耐用性。

LIGHTWEIGHT 輕量:

Weighing under 10 kg, the ladder provides convenient and efficient handling while ensuring safety for workers during transport and installation. 重量在 10 公斤以下，梯子搬運便捷及高效，同時確保了運送和安裝過程中工人的安全。

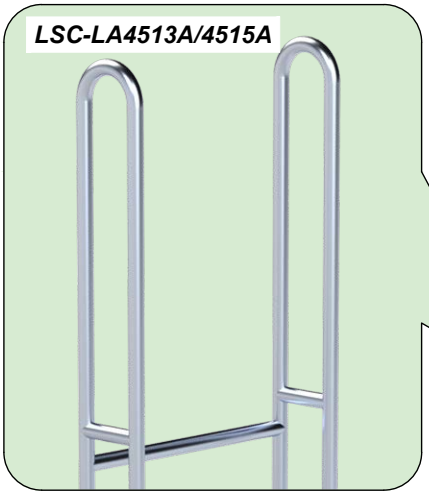
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* All weights stated in catalog are for reference only.

With the growing popularity and necessity for the Aluminium Lorry Access Ladder on construction sites, many clients advised Canyon of additional safety requirements they encountered. Given Canyon's existing customized design service, it would only be fitting to provide further safety design enhancements for the Aluminium Lorry Access Ladder. Please note that lead time for these special customized parts take up to 4-6 weeks.

DOUBLE HANDRAIL POST

LSC-LA4513A/4515A



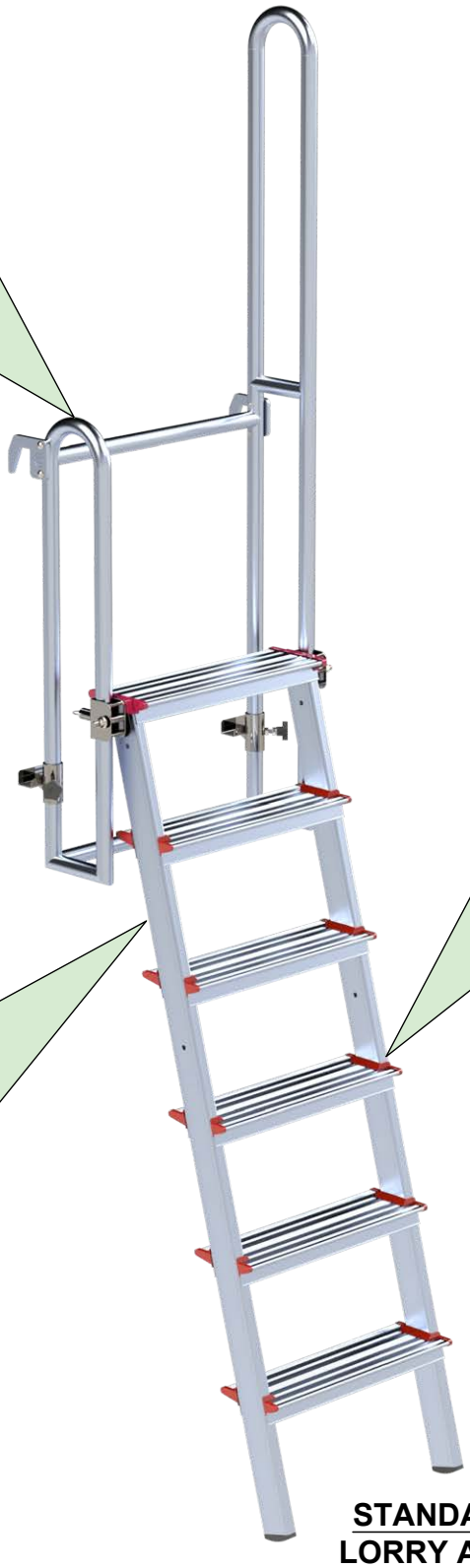
Insisted by some site requirements, double handrails can be customized to provide extra safety when climbing in/out between the lorry and step ladder.

HANDRAIL FOR LADDER



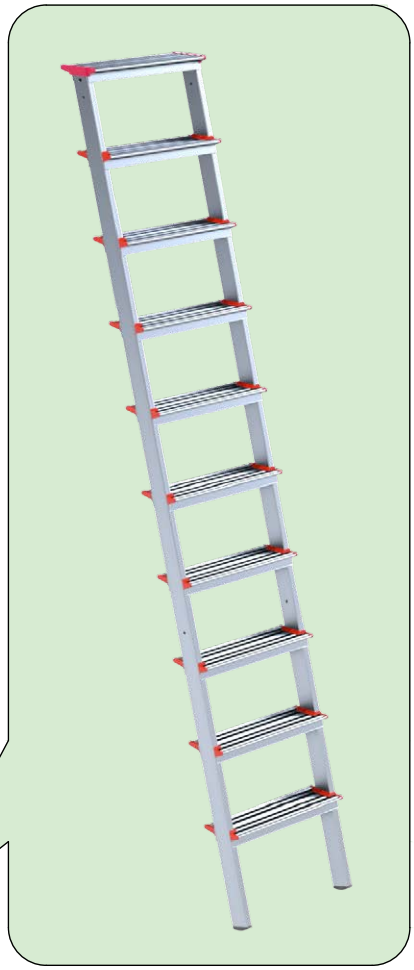
LGR-LA4515

Providing extra safety for workers when climbing the stepladder, handrails (1 or 2) can be customized on the sides of the stepladder.

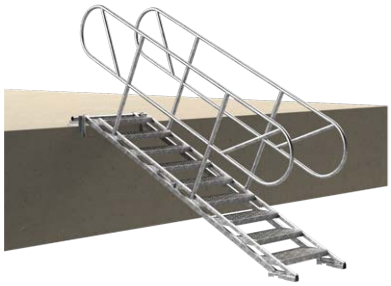


STANDARD ALUMINIUM LORRY ACCESS LADDER

2-10 STEPS LADDER



Depending on the height requirement at site, the number of steps on the stepladder can be modified between 2 to 10 steps.



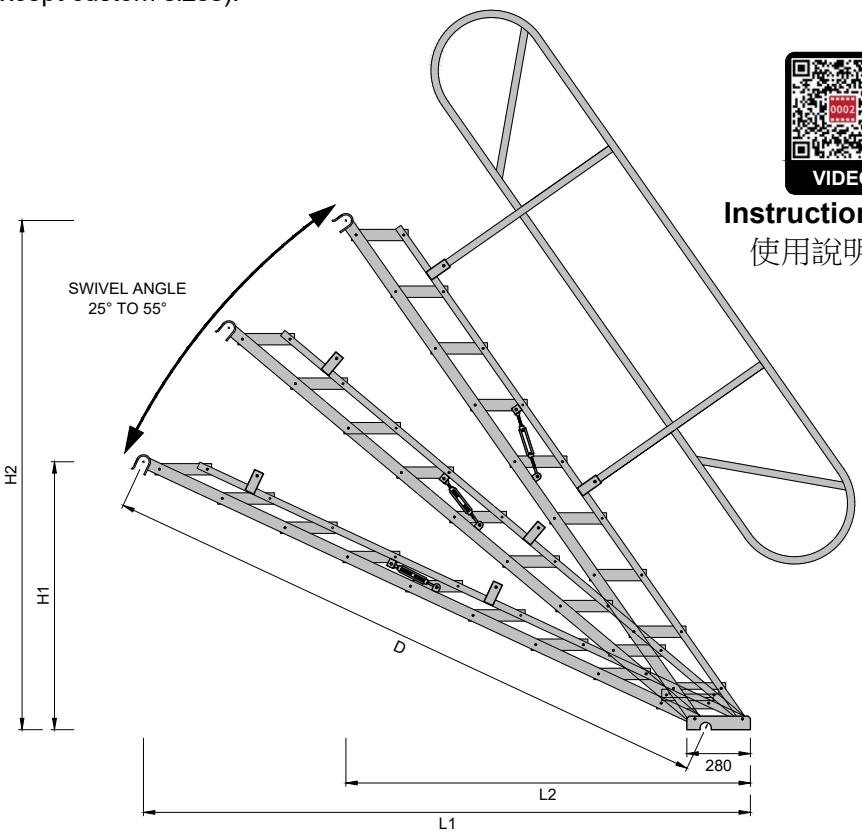
ADJUSTABLE STAIRCASE
可調較金屬樓梯

PATENT NO: HK30000557

Meticulously designed by CMS Engineering, this adjustable staircase allows for a quick and automatic set up for a horizontal step staircase with any existing fixed scaffold structure or materials. Its lightweight design only requires two people to handle the staircase's installation and dismantle at the construction site. These staircases are available in 6-step and 9-step configurations, but custom lengths ranging from 2-step (915 mm) to 10-step (3045 mm) are available upon request. For safety provisions, compatible handrails are also designed to pair with the staircases (except custom sizes).







VIDEO
Instruction Video
使用說明視頻

Adjustable Staircase 可調較金屬樓梯									Handrail 樓梯扶手	
Angle / Item code	25°		55°		D	Nos. of Steps	Step Width	Weight	Item Code	Weight
	L1	H1	L2	H2						
RSC-AS6018G	1846	794	1259	1495	1828	6	600	41.4 kg	***RGR-AS6018S***	9.7 kg
RSC-AS6027G	2676	1181	1783	2244	2743	9		56.5 kg	***RGR-AS6027S***	10.8 kg
Adjustable Staircase 可調較金屬樓梯 (Customized Model, 可訂製之款式)									**Handrail 樓梯扶手**	
RSC-AS6006G	741	279	559	496	608	2	600	21.2 kg	-	-
RSC-AS6009G #	1017	408	734	745	913	3		26.3 kg	-	-
RSC-AS6012G #	1294	536	909	995	1218	4		31.3 kg	***RGR-AS6012S #***	8.8 kg
RSC-AS6015G #	1570	665	1084	1245	1523	5		36.4 kg	***RGR-AS6015S #***	8.4 kg
RSC-AS6021G #	2123	923	1433	1745	2133	7		46.4 kg	***RGR-AS6018S***	9.7 kg
RSC-AS6024G #	2399	1052	1608	1995	2438	8		52.3 kg	***RGR-AS6027S***	10.8 kg

No existing stock available, lead time for MADE-TO-ORDER items is 6-8 weeks.

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An innovative interlocking bar-ring mechanism allows the staircases to be continuously stacked while remaining safe and stabile for the operator.



Folded flat for ease of transport.



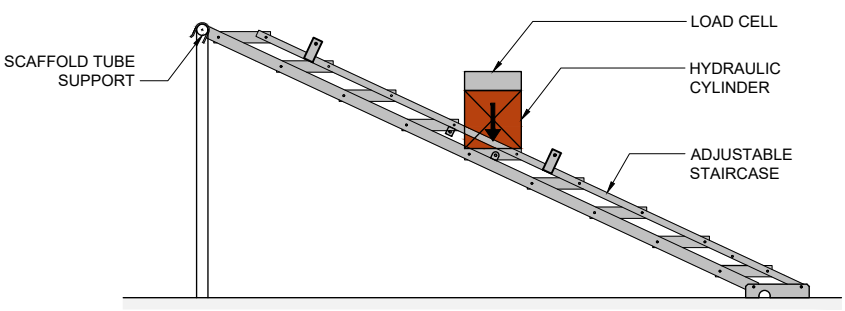
Bar-ring mechanism for installation of continuous staircases.

ADVANTAGES 優點

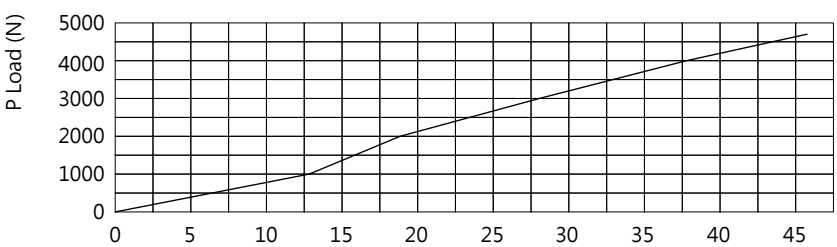
- Double Handrails are available on both sides
  兩側均可安裝扶手
- Whatever the angle of the staircase, the steps will remain horizontal
  踏級可以根據樓梯的角度保持水平
- A manual locking mechanism is designed to engage once the staircase is at the correct angle
  手動鎖設計可保證樓梯處於正確的角度
- Made of steel with a standard galvanized finish for durability
  由標準的鍍鋅鋼製成，具有耐用性
- The staircase can be folded flat for ease of transport
  樓梯可以折疊平放，便於運輸
- Staircase can be quickly and easily erected on site by two operators
  只需要兩名工人便可以在現場快速地搭建樓梯

⚠ SAFETY NOTE

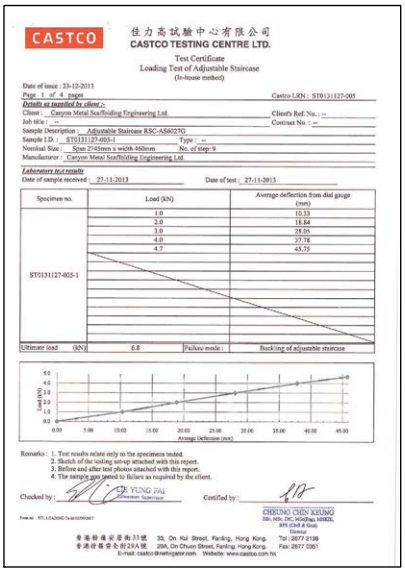
An important safety feature of this adjustable staircase is that the bottom rung governs the angle adjustment. Once the desired angle is determined, the two safety locks on both sides of the staircase need to be tightened to ensure stability.



Load Testing Setup



Load-deflection curve



Test report of adjustable staircase is available.

SHEET PILE GUARD POST
臨時閘板護欄

PATENT NO: HK30036221

Innovative design developed by CMS Engineering, this guard post is suitable for assisting all your construction needs.

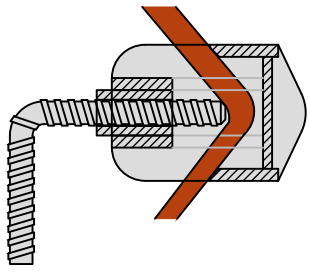


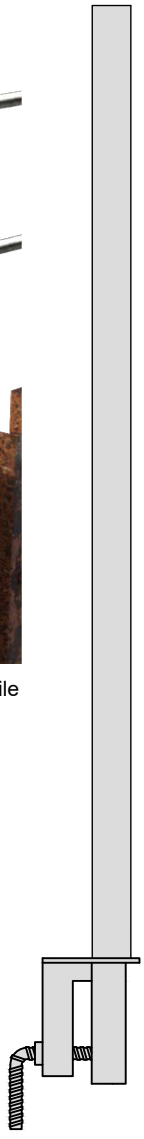


It is recommended to install the clamp on corner of sheet pile to increase rigidity for the guard post. .....
板的拐角處，可以增加閘板護欄的剛度。

Sheet Pile Guard Post 臨時閘板護欄			
Item Code	Length	Claw THK.	Weight
TGR-SPGP	1200 mm	Max. 25 mm	6.4 kg
Sheet Pile Guard Post 臨時閘板護欄 **(Customized Model, 可訂製之款式)**			
TGR-SPGP50A #	1200 mm	Max. 50 mm	6.6 kg
TGR-SPGP80A #	1200 mm	Max. 80 mm	6.8 kg

No existing stock available, lead time for MADE-TO-ORDER items is 6-8 weeks.





View from top of guard post, dotted lines represent stand that clamp securely grips on; cross section of guard clamp are indicated in drawings.

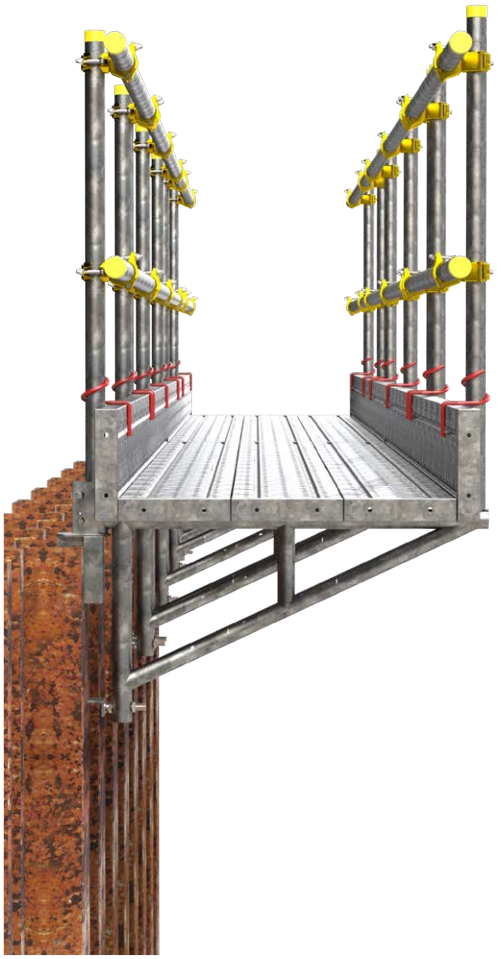
ADVANTAGES 優點

- Strong and durable design
  堅固耐用
- Clamp design ensures safety to hold up guard post
  設計安全
- Does not require additional accessories
  無小配件，方便搬運
- Can be combined with scaffold tube and coupler to construct guardrails
  配合喉通及手扣可作護欄使用

VIDEO
Instruction Video
使用說明視頻

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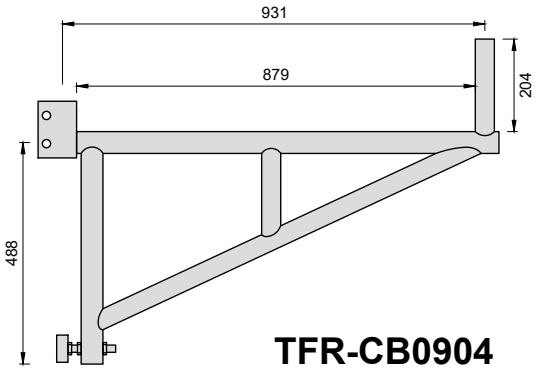
* All weights stated in catalog are for reference only.



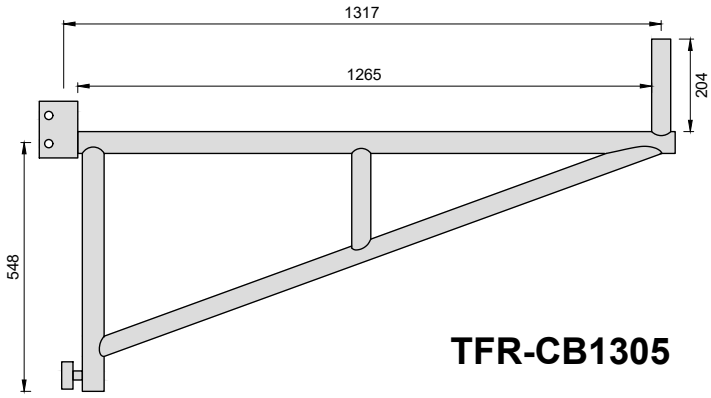
CANTILEVER SUPPORT BRACKET
懸臂架

ADVANTAGES 優點

- Cantilever support bracket designed to hold up steel plank for walking in construction zones
  懸臂架配合橋板可作通道用
- Strong and sturdy design
  堅固耐用
- Scaffold tube joint pin embedded at the end of support bracket to install scaffold tubes as temporary guardrail
  預設駁心可安裝喉通作通道護欄
- Easy installation, no hand tools are required
  設計簡便，無須任何工具安裝
- Design of cantilever bracket allows for loading capacity of 1.5 kN/m^2 on the extended platform
  擴展平台在懸臂架上的設計承載能力為 1.5 kN/m^2



TFR-CB0904



TFR-CB1305



Description	Cantilever Support Bracket 三角支撐	
Item Code	***TFR-CB0904***	***TFR-CB1305***
Length	931 mm	1317 mm
Height	488 mm	548 mm
Weight	7.6 kg	9.6 kg
Safety Working Load	5 kN/m	2.5 kN/m

I-BEAM CATCH BASE
工字通道底桿

Item Code	A	B	Weight
TSP-IBCB4	1200	100 - 680	10.6 kg
TSP-IBCB5	1450	190 - 920	11.3 kg
TSP-IBCB6	1700	430 - 1190	12.0 kg

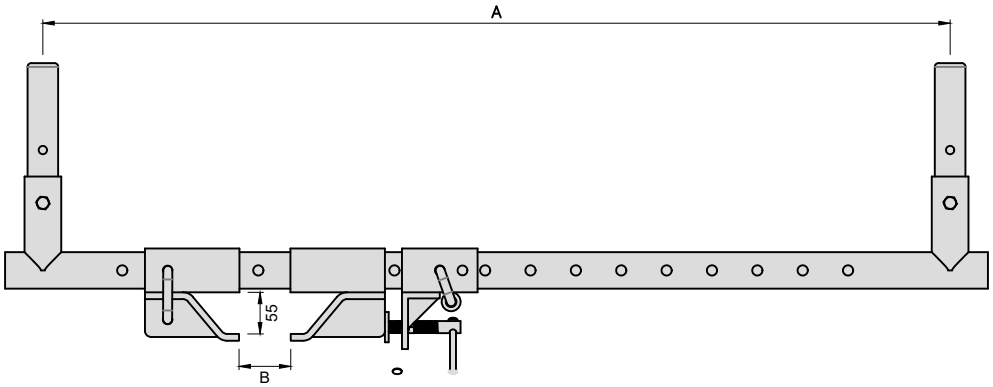
- Safety Working Load: 200 kg (Cantilever Span)
- Max. Cantilever Span: 500 mm
- Max. I-Beam Flange Thickness: 55mm

ADVANTAGES

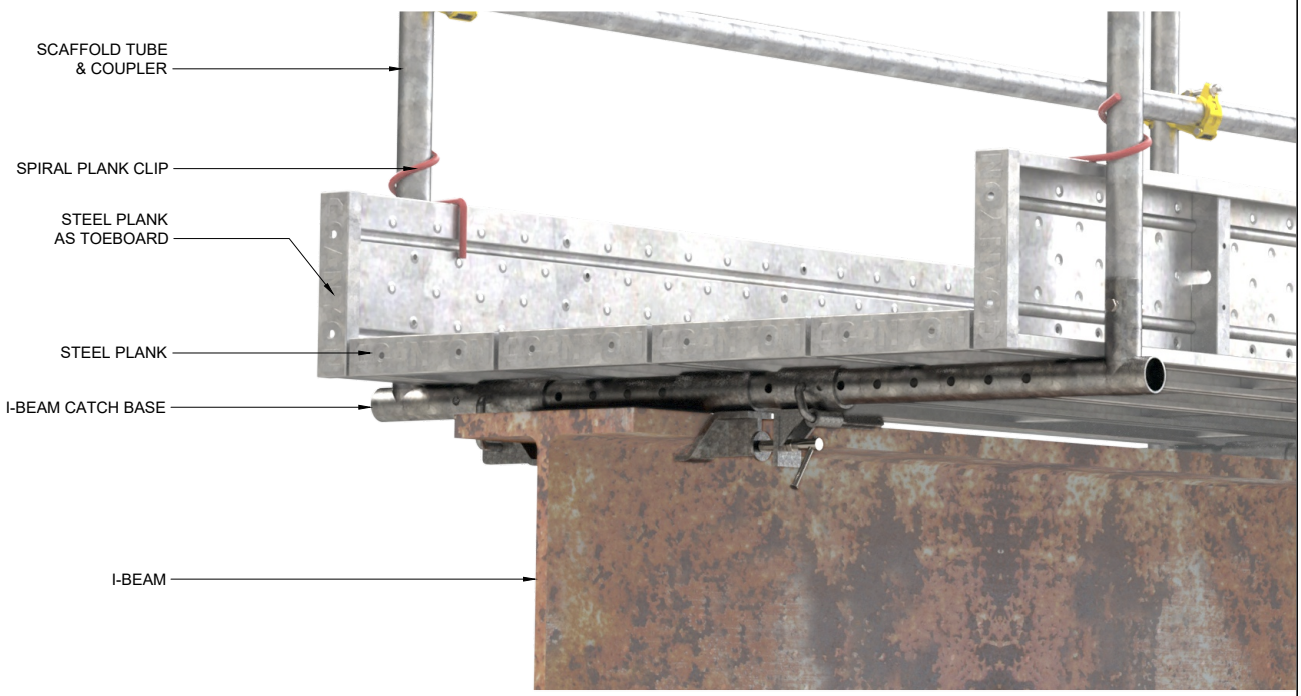
- Developed for support of temporary walkway on steel I-beam
  為在鋼工字鋼上支撐臨時行人通道而開發的底桿
- Excellent stability and strength
  優良的穩定性和強度
- Simple installation and dismantle process
  簡單的安裝和拆卸程序

VIDEO

Instruction Video
使用說明視頻



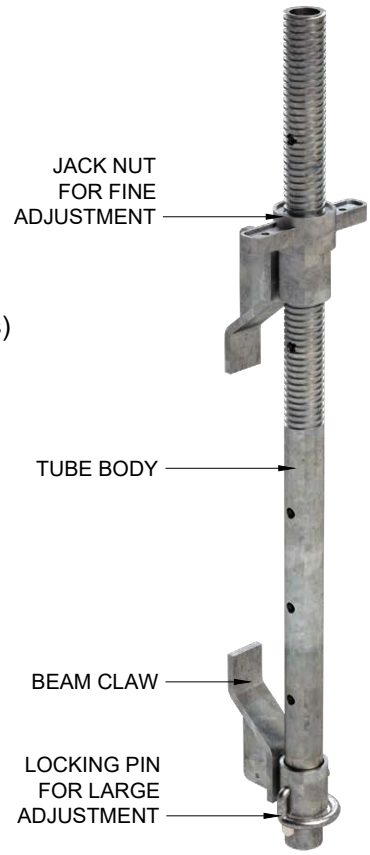
Temporary Access on I-Beam Example



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* All weights stated in catalog are for reference only.

H-BEAM GUARD CLAMP
工字護欄扣



ADVANTAGES

- Modified from design concept of I-Beam Catch Base
  改進自工字通道底桿的設計概念
- Developed for steel struts with "H" cross-section (vertical standing flanges)
  專為具有「H」型橫截面（垂直立柱翼緣）的鋼支柱而開發
- Compatible with Ringlock system and scaffold tubes, couplers
  相容於碟型組合通架、腳手架鋼管及扣件
- No tools required for installation
  不需要使用工具

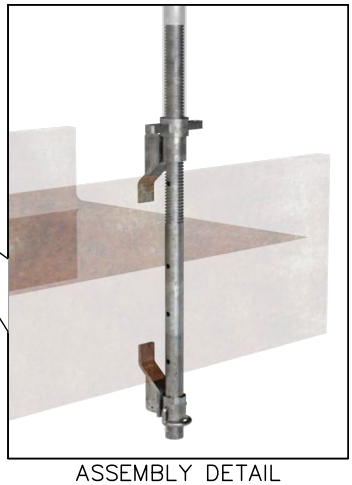
Note: Since the jack nut can be adjusted flexibly, maintain 150mm min. above the jack nut to ensure sufficient overlap length for the installation of side protection so that rigidity can be ensured.

Item Code	Compatible Flange Size		Weight
	Thickness	Width	
TGR-HBGC	55	500	5.5 kg

Guard Clamp Example



VIDEO
Instruction Video
使用說明視頻


ASSEMBLY DETAIL

Website : http://www.canyonhk.com Tel : (852) 2885 9633 Fax : (852) 2567 1611 Email : general@canyonhk.com

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ROUND PILE CATCH BASE
圓樁通道底桿

PATENT NO: HK30036221

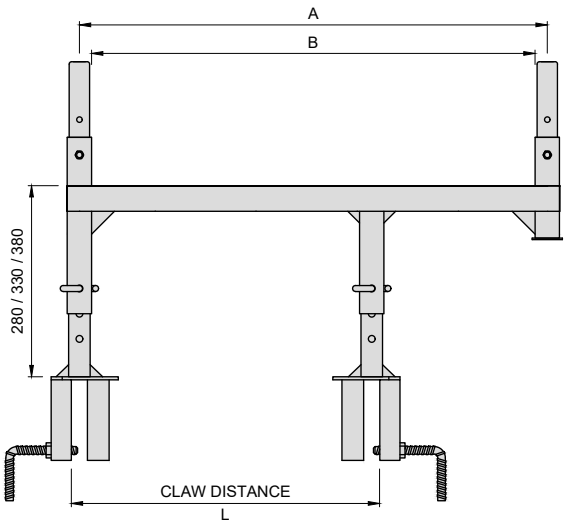
Item Code	A	B	L	Weight
TSP-RPCB3	918	870	505 - 820	13.0 kg
TSP-RPCB4	1170	1122	755 - 1070	13.7 kg



ADVANTAGES

- Developed for support of temporary walkway on round pile
  為在圓樁上支撐臨時人行道而開發的底桿
- Designed for project sites with constraints
  專為受約束的地盤環境而設計
- Adjustable platform height and claw distance
  可調節平台高度和爪距

- Safety Working Load: 350 kg
- Max. Claw Thickness: 25 mm





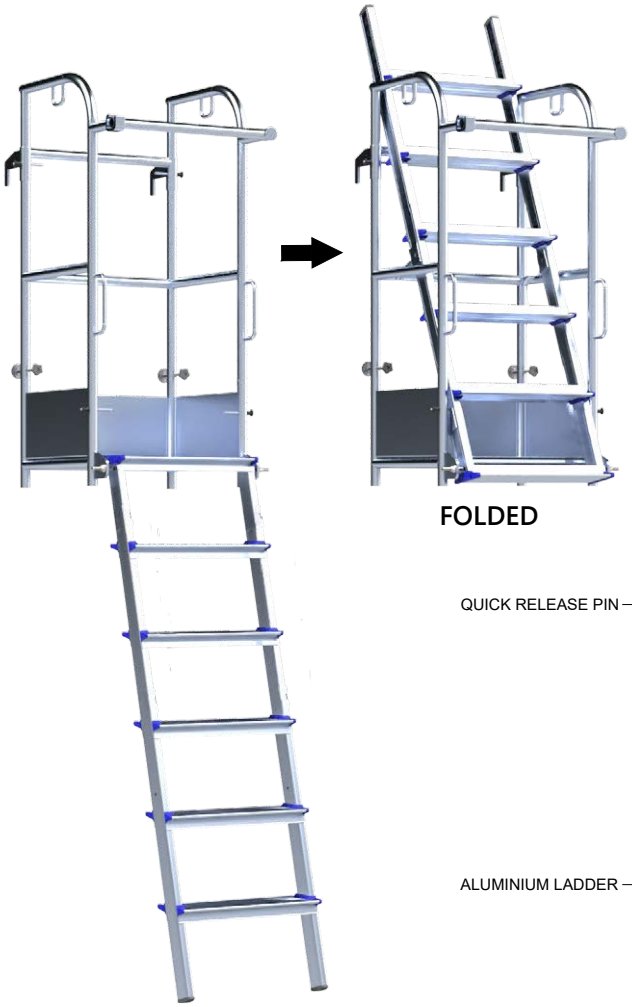
Temporary Access on Round Pile Example



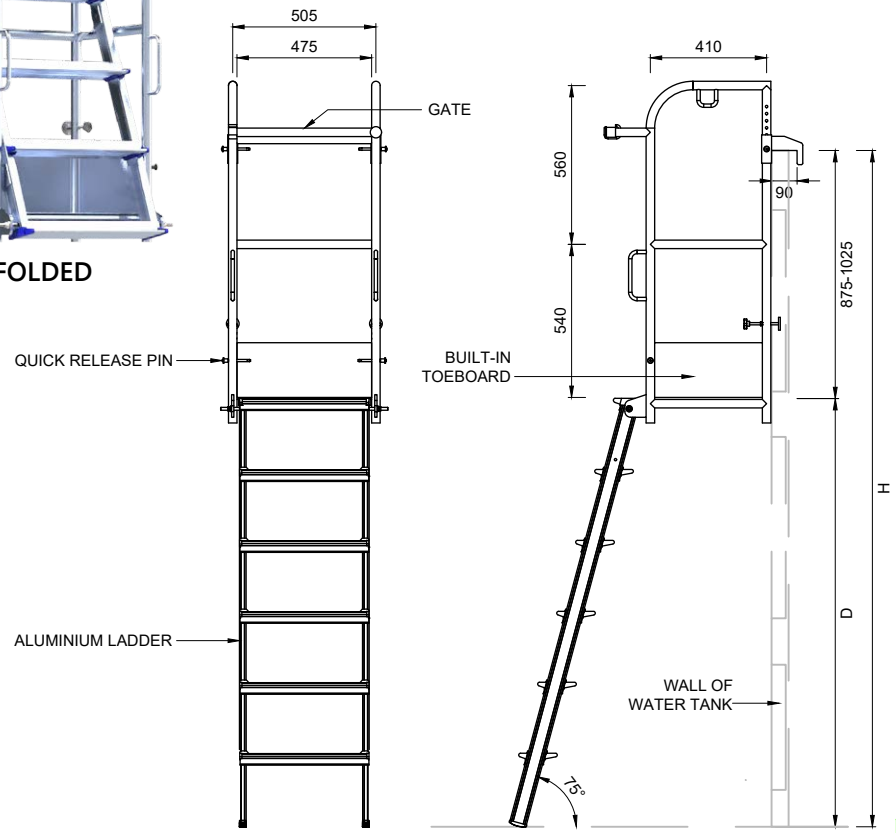
Website : http://www.canyonhk.com Tel : (852) 2885 9633 Fax : (852) 2567 1611 Email : general@canyonhk.com

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ALUMINIUM PLATFORM ACCESS LADDER
鋁平台連上落梯



Inspired by Canyon's original lorry access ladder, the platform access ladder is designed for typical use with the water tank on project sites. The ladder embodies a lightweight foldable design and provides handrails for safe access. The platform is designed for one person to stand on top for work and has a proper safety gate to help prevent the person from falling.



- Safety Working Load: 150 kg for 1 Person

⚠ Safety gate must be folded down after worker steps on to platform.

Aluminium Platform Access Ladder 鋁平台連上落梯				
Item Code	Nos. of Steps	D	H	Weight
LSC-WTAL5	5	1260	2135 - 2285	15.1 kg
LSC-WTAL6	6	1510	2385 - 2535	16.7 kg
Aluminium Platform Access Ladder 鋁平台連上落梯 (Customized Model, 可訂製之款式)				
Item Code	Nos. of Steps	D	H	Weight
LSC-WTAL2 #	2	510	1385 - 1535	12.4 kg
LSC-WTAL3 #	3	760	1635 - 1785	13.3 kg
LSC-WTAL4 #	4	1010	1885 - 2035	14.2 kg

No existing stock available, lead time for MADE-TO-ORDER items is 6-8 weeks. 7 steps to 10 steps are available upon request.

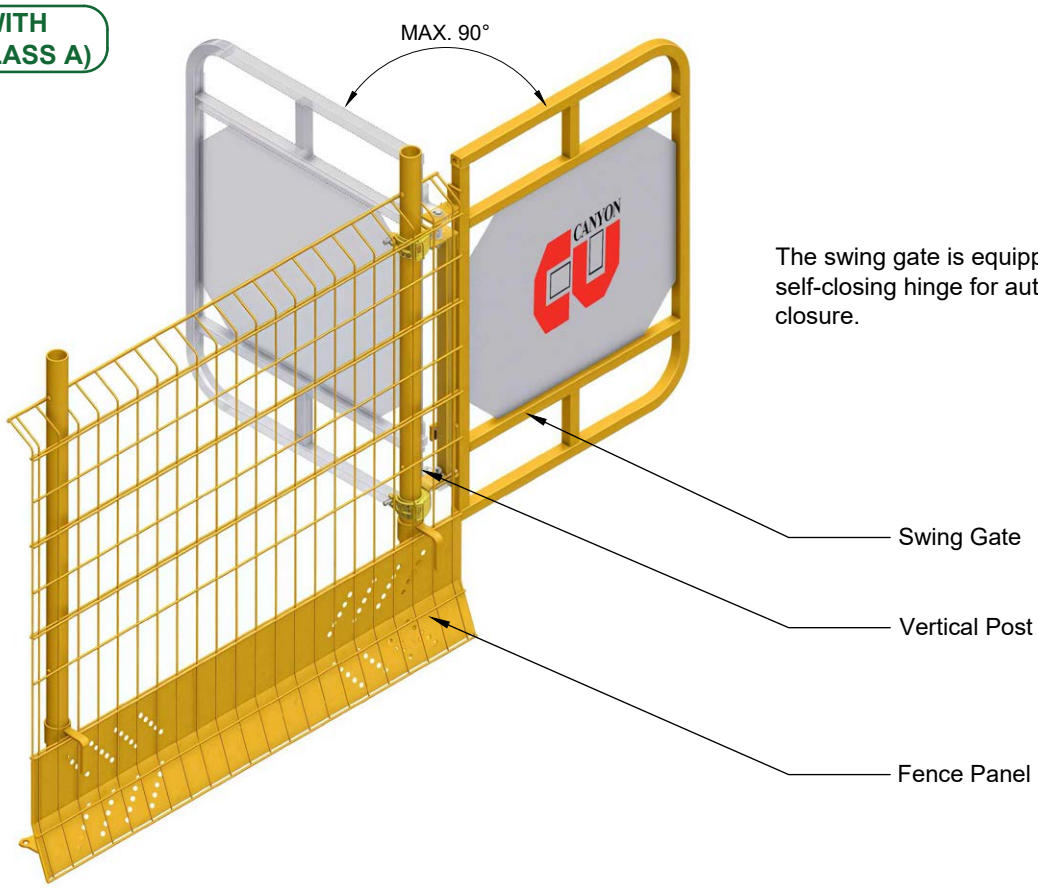


EDGE PROTECTION SYSTEM
臨時護欄系統

APPLICATION:

Canyon's high-performance temporary Edge Protection System (EPS) is robust, easy and quick to install while maximising site safety and reducing lifecycle cost. The EPS integrates multiple components into one single fast-fit unit - a steel-mesh barrier, the integral toe-board and its corresponding twin guardrails.

COMPLIES WITH BS EN 13374 (CLASS A)



STANDARD EDGE PROTECTION SYSTEM USING SWING GATE (EPS-SG8396)

KEY FEATURES 主要特點

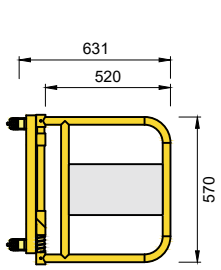
- Corrosion Resistant: Pre-galvanized steel with painted finish
  耐腐蝕：預浸鋅管加表面噴漆
- Modular Design: Efficient storage and transportation
  模組化設計：方便於儲存與運輸
- Quick Assembly: Slide-and-Lock design requires minimal tools and extra fittings
  快速組裝：滑動鎖定設計只需簡單的工具和配件
- Standard Colour: Yellow (Other colours available upon request: Green, Blue, Red, White)
  標準顏色：黃色 (可依要求提供其他顏色：綠色、藍色、紅色、白色)

Website : http://www.canyonhk.com Tel : (852) 2885 9633 Fax : (852) 2567 1611 Email : general@canyonhk.com

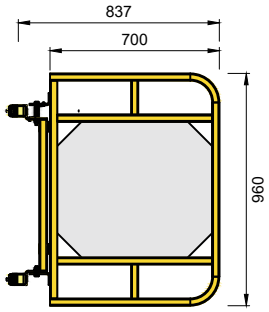
* All weights stated in catalog are for reference only.

SWING GATE 活動門

- Providing controlled access alongside edge protection panels
- Equipped with self-closing hinge for automatic closure
- Can be modified to be used with Ringlock rosette



EPS-SG6157



EPS-SG8396



Swing Gate 活動門				
Item Code	Weight	Length	Height	Clear Width
EPS-SG6157	9.1 kg	631 mm	570 mm	520 mm
EPS-SG8396	15.5 kg	837 mm	960 mm	700 mm



EPS-VP1280



EPS-SPGP

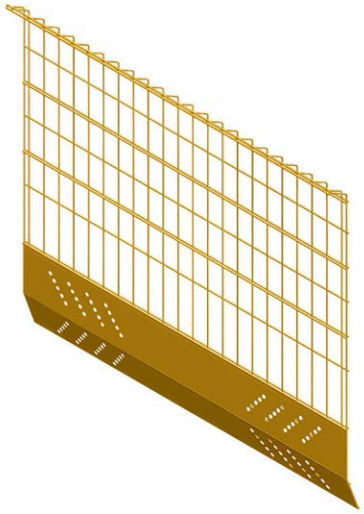
VERTICAL POST 護欄柱

- Built-in slide-and-lock for quick installation of fence panel(s)
- Two base designs for efficient installation on concrete, soft ground or sheet pile, using appropriate fixings
- Base plate anchor design allows for water drainage

Vertical Post 護欄柱			
Item Code	Fixing	Height	Weight
EPS-VP1280	Anchor	1280	6.6 kg
EPS-SPGP	U-Clamp		7.3 kg

FENCE PANEL 護欄網

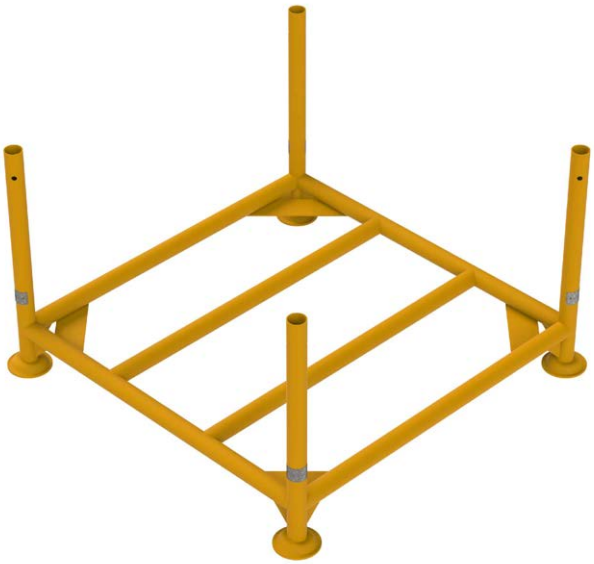
- Integrated guardrail and toe-board functions as one
- Made with Ø4.5mm steel wire mesh, forming a 60 x 120mm grid panel for ease of site containment and clear visibility



Metallic Fencing 護欄網			
Item Code	Length	Height	Weight
EPS-MF1311	1300	1150	10.4 kg
EPS-MF2611	2600		20.3 kg

POST STILLAGE
包裝架





To enhance safety and provide a means of staying organized at both the site and storage yard, Canyon designed a standard sized post stillage, also known as packing pallet, for the construction industry.

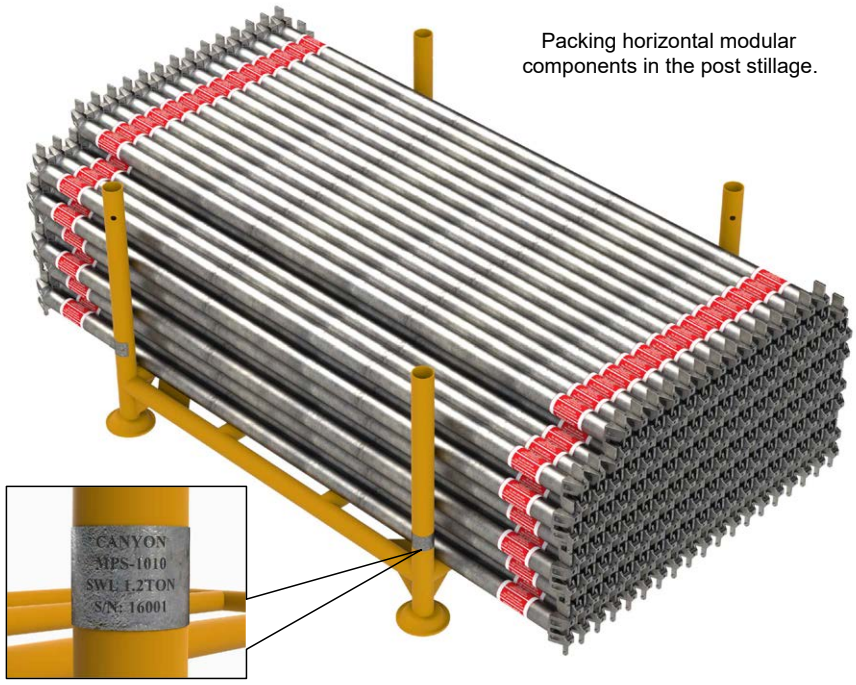
ADVANTAGES 優點

- High-grade Q355 steel and symmetrical size
  由 Q355 鋼製成及對稱尺寸
- Built-in round base plates for safe & efficient stacking
  內置圓形底盤，可安全有效地堆疊
- Strengthened rigidity
  增強剛性
- Loading capacity up to 1,200 kg per post stillage
  每個包裝架的負載能力高達 1,200 公斤
- Customizable metal tag for identification purposes
  可定制金屬標籤用於識別
- Recommend stacking of 6 post stillages maximum
  建議最多堆疊 6 個包裝架

Post Stillage 包裝架	Length	Width	Height	Safety Working Load	Weight
MPS-1010	1000	1000	650	1200 kg	28.2 kg



Sample stacking of various types of post stillages storing scaffold components of different types and sizes.



Packing horizontal modular components in the post stillage.

Metal tag on post stillage's leg

⚠ For safety precautions, it is recommended to consider securely strapping all items stored in the Post Stillage before any means of transport (i.e. Rigging). Any stacking of post stillage combinations must be done on flat and level ground.

* All weights stated in catalog are for reference only.

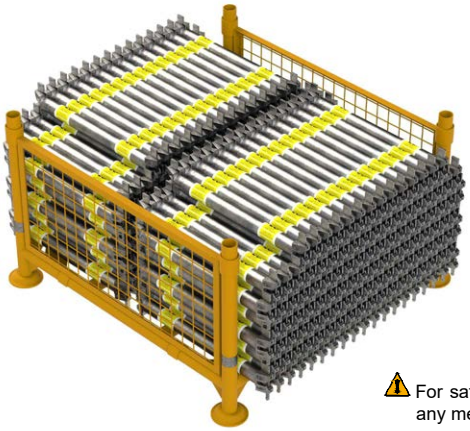
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SIDE MESH STILLAGE
側網包裝架





Exploded View of Side Mesh Stillage.



To effectively store smaller or shorter scaffold components, the Side Mesh Stillage was designed by incorporating the Post Stillage with side panels to serve as wall supports.

The Side Mesh Panel comes in one size, but in two slightly different design configurations, so that they could make different variations of a side mesh stillage.

Side Mesh Stillage Component List 側網包裝架配件清單			
Component	Item Code	Quantity	Unit Weight
Side Mesh Panel 包裝架側網	***MPS-SMP1004T***	2	5.8 kg
	MPS-SMP1004B		5.8 kg
Post Stillage 包裝架	***MPS-1010***	1	28.2 kg

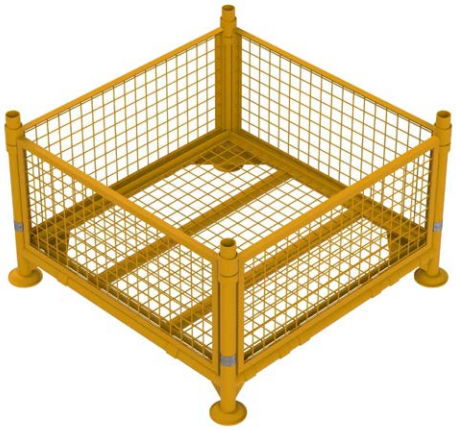
⚠ For safety precautions, all smaller items stored in the Side Mesh Stillage must be securely strapped before any means of transport. Any stacking of post stillage combinations must be done on flat and level ground.

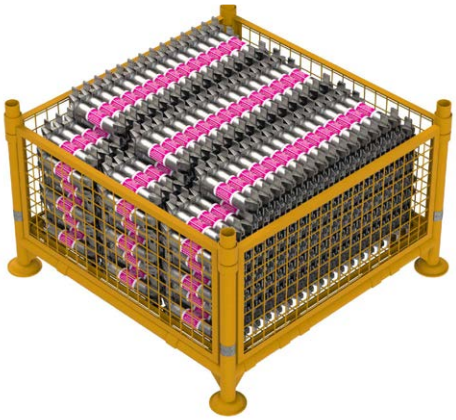
MESH BOX STILLAGE
網型包裝箱



For storing even smaller items, the Mesh Box Stillage was designed by combining all the post stillage components and adding a Bottom Mesh Panel to fit on the bottom of the post stillage for effective storage means. The Mesh Box Stillage can be used in conjunction of all the components together or however the items being stored require.

Exploded View of Mesh Box Stillage.





Mesh Box Stillage Component List 網型包裝架配件清單			
Component	Item Code	Quantity	Unit Weight
Side Mesh Panel 包裝架側網	***MPS-SMP1004T***	2	5.8 kg
	MPS-SMP1004B	2	5.8 kg
Bottom Mesh Panel 包裝架底網	***MPS-BMP1010***	1	9.3 kg
Post Stillage 包裝架	***MPS-1010***	1	28.2 kg

⚠ For safety precautions, items stored in the Mesh Box Stillage must not be stacked higher than the Side Mesh Panel's height. Any stacking of post stillage combinations must be done on flat and level ground.

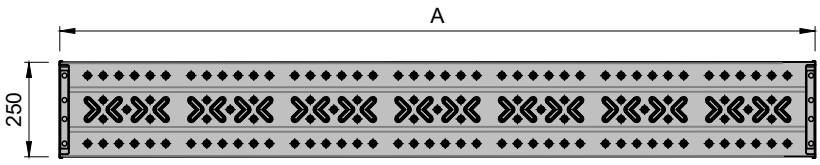
EDGE-SAFE STEEL PLANK
防錒金屬橋板

PATENT PENDING

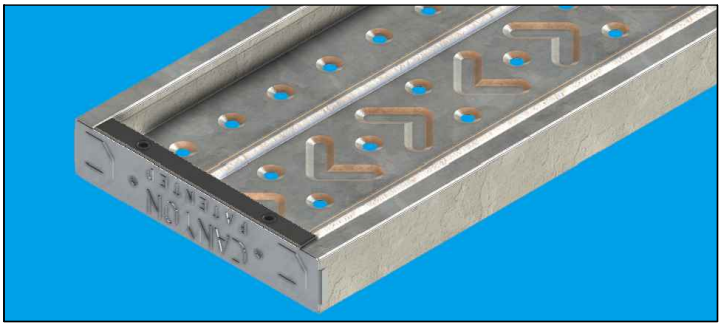
ADVANTAGES 優點

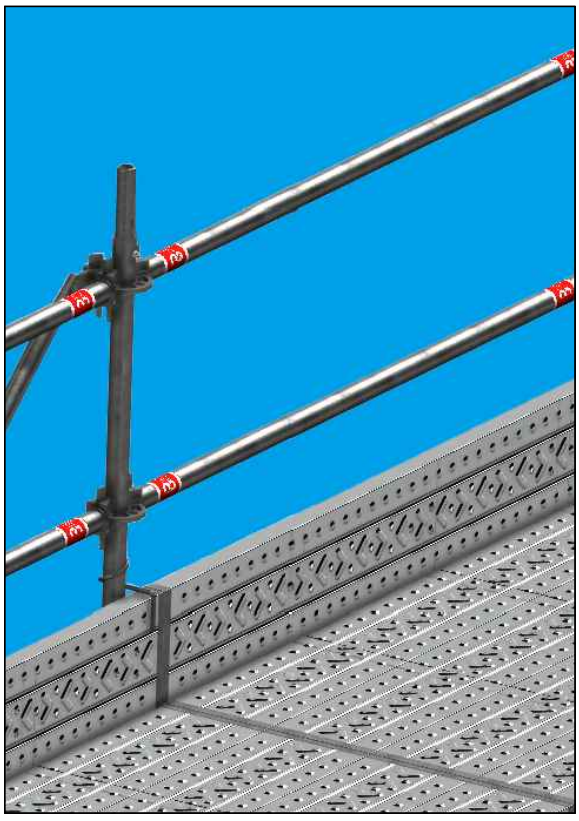
- Strong & durable design
  堅固耐用
- Tucked-in edges to prevent scratches
  邊緣向內折疊的設計能防止刮傷
- Non-flammable & fire resistant
  不易燃燒、更安全
- Non-slip & allows water drainage
  防滑並設疏水孔
- Easy handling & transport
  易於操作和運輸
- Suitable for high-level platforms
  適用於高空平台

Item Code	Length (A)	Width	Thickness	Sheet Thk.	Coating	Weight
TSK-2000E	2000 mm	250 mm	50 mm	1.1 mm	Galv.	9.6 kg
TSK-3000E	3000 mm					14.3 kg
TSK-4000E	4000 mm					18.9 kg









Permissible UDL at 1829 mm span	Permissible Point Load at 1829 mm span	Deflection at 150 kg
300 kg	150 kg	7.5 mm or less

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1. HIGH SAFETY:

To prevent slippage, the tread surface has many holes that provide traction and allow water to drain through.

2. HIGH DURABILITY:

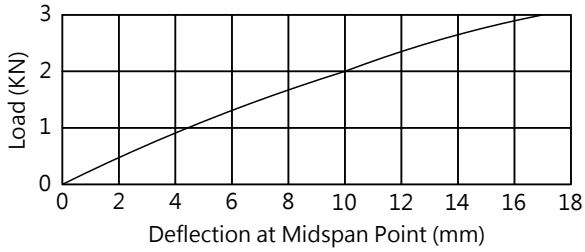
This product assures high durability through the designs of reinforced cross section and convex tread surface, pre-galvanized steel.

3. WIDE RANGE OF APPLICATIONS:

Walking passages for steel structure buildings, suspended scaffolding, toe boards, underground shield floor, working platform for scaffolding, etc.



Load-deflection curve

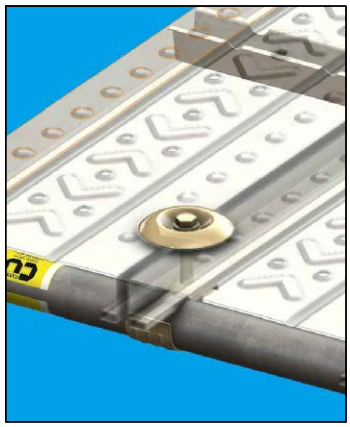


LIMPET PLANK COUPLER 丁字橋板碼仔



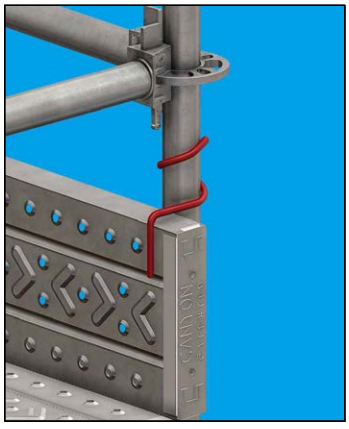
FEATURES 特點:

- Prevent plank from moving
  防止橋板移動
- Strengthen stability
  加強穩固
- Cost & Time Efficient
  節省成本和時間
- Used in Conjunction with Plank & Tube
  可配合橋板和圓管使用



Code	Tube Dia.	Plank Thk.	Weight	Type
TCP-LPC	Ø48.3	50 mm	0.4 kg	JIS

SPIRAL PLANK CLIP 橋板定位梢



FEATURES 特點:

- Bolt-less Installation
  免螺絲安裝
- Used for Toe-Board Alternative
  固定橋板作踢腳板用途

VIDEO

Instruction Video
使用說明視頻



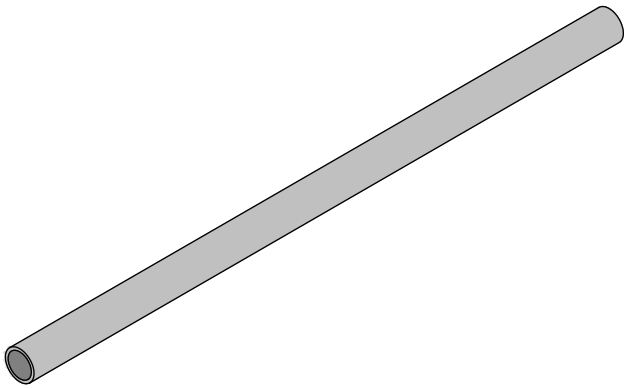
Code	Tube Diameter	Plank Thickness	Weight
TPN-SPPCLIP48	Ø48.6	50 mm	0.3 kg

SCAFFOLD TUBE & COUPLER
喉通及手扣



Scaffold Tube Section Properties				
Scaffold Tube Size	Cross Section Area, A	Radius of Gyration, i	Elastic Section Modulus, Z	Second Moment of Area, I
Ø48.3x2.1t	3.048 cm^2	1.635 cm	3.374 cm^3	8.149 cm^4
Ø48.3x2.3t	3.324 cm^2	1.628 cm	3.649 cm^3	8.813 cm^4
Ø48.6x4.0t	5.605 cm^2	1.583 cm	5.781 cm^3	14.048 cm^4

Code	Diameter	Length	Coating	Weight
TST-1M	Ø48.3 x 2.1t	1.0 m	Galv.	2.4 kg
TST-2M		2.0 m		4.8 kg
TST-3M		3.0 m		7.2 kg
TST-4M		4.0 m		9.6 kg
TST-5M		5.0 m		12.0 kg
TST-6M		6.0 m		14.4 kg
TST-1M2.3	Ø48.3 x 2.3t	1.0 m	Galv.	2.7 kg
TST-2M2.3		2.0 m		5.3 kg
TST-3M2.3		3.0 m		7.9 kg
TST-4M2.3		4.0 m		10.5 kg
TST-5M2.3		5.0 m		13.1 kg
TST-6M2.3		6.0 m		15.7 kg
TST-1M4.0	Ø48.6 x 4.0t	1.0 m	Galv.	4.4 kg
TST-2M4.0		2.0 m		8.8 kg
TST-3M4.0		3.0 m		13.2 kg
TST-4M4.0		4.0 m		17.6 kg
TST-5M4.0		5.0 m		22.0 kg
TST-6M4.0		6.0 m		26.4 kg



Tube Inner Joint Pin 喉通沖壓內接管	
Code	***APN-TIJP***
Type	JIS
Weight	0.9 kg
Ø48.3 Type	



Scaffold Tube End Cap 喉通保護套	
Code	***TPL-ST***



Coupler Cover 碼仔保護套	
Code	***TPL-CP***



Coupler Fitting End Cap 碼仔螺絲保護套	
Code	***TPL-BN***



Base Pad 底掌膠墊板	
Code	***TPL-BP***



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* All weights stated in catalog are for reference only.

Pressed Sleeve Coupler 外連接扣	
Code	ACP-PSC
Type	BS
Weight	1.0 kg
Ø48.3 Type	



Pressed Double Coupler 沖壓梗扣碼仔	
Code	ACP-PC1
Type	BS
Weight	0.9 kg
Ø48.3 Type	



Pressed Swivel Coupler 沖壓活扣碼仔	
Code	ACP-PC3
Type	BS
Weight	1.1 kg
Ø48.3 Type	



Pressed Putlog Coupler 沖壓豬耳碼仔	
Code	ACP-PPC
Type	BS
Weight	0.7 kg
Ø48.3 Type	



Forged Double Coupler 鍛造梗扣碼仔	
Code	ACP-FC1
Type	BS
Weight	1.1 kg
Ø48.3 Type	



Forged Swivel Coupler 鍛造活扣碼仔	
Code	ACP-FC3
Type	BS
Weight	1.3 kg
Ø48.3 Type	



Double Beam Clamp 梗扣工字扣	
Code	ACP-BC1
Type	BS
Weight	1.6 kg
Ø48.3 Type, Claw THK. 35 mm	



Swivel Beam Clamp 活動工字扣	
Code	ACP-BC3
Type	BS
Weight	1.6 kg
Ø48.3 Type, Claw THK. 35 mm	



Forged Double Coupler 鍛造梗扣碼仔	
Code	ACP-FCR1
Type	BS
Weight	1.4 kg
Ø60.5 Type	



Forged Swivel Coupler 鍛造活扣碼仔	
Code	ACP-FCR3
Type	BS
Weight	1.6 kg
Ø60.5 Type	



Double Coupler 梗扣碼仔	
Code	TCP-K1
Type	JIS
Weight	0.7 kg
Ø42.7~48.3 Type	



Swivel Coupler 活扣碼仔	
Code	TCP-K3
Type	JIS
Weight	0.7 kg
Ø42.7~48.3 Type	



Double Coupler 梗扣碼仔	
Code	TCP-R1
Type	JIS
Weight	0.8 kg
Ø60.5 x Ø42.7~48.3 Type	



Swivel Coupler 活扣碼仔	
Code	TCP-R3
Type	JIS
Weight	0.8 kg
Ø60.5 x Ø42.7~48.3 Type	



Fixed Beam Coupler 梗扣工字扣	
Code	TCP-BC1
Type	JIS
Weight	1.1 kg
Ø48.3 Type, Claw THK. 30 mm	



Swivel Beam Coupler 活動工字扣	
Code	TCP-BC3
Type	JIS
Weight	1.1 kg
Ø48.3 Type, Claw Thk. 30 mm	





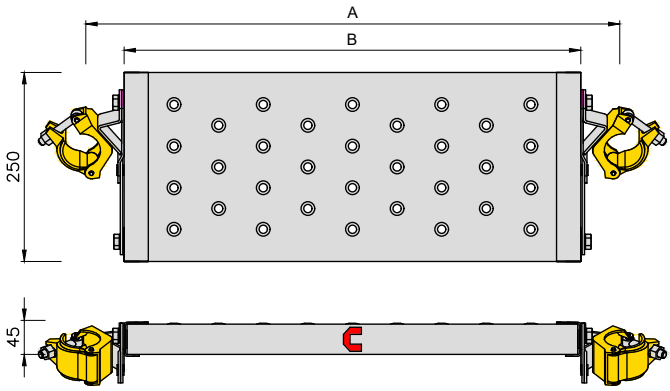
ADJUSTABLE STEP
可調較金屬踏腳板

ADVANTAGES 優點

- Strong & durable design
  堅固耐用
- Light and conventional
  身輕及方便使用
- Four fixed adjustable angle
  可調校四種角度
- Stable and safe
  穩定和安全
- Non-slip & allows water to drain through
  防滑並設疏水孔
- Quick angle adjustment
  快速調校角度

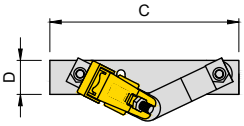
	Width, A	Step Width, B	Weight	Adjustable Angle	Safety Working Load	Factor of Safety
TCA-TAS6	715	600	4.4 kg	63° / 53° / 45° / 38°	200 kg	2.0
TCA-TAS8	915	800	5.1 kg			

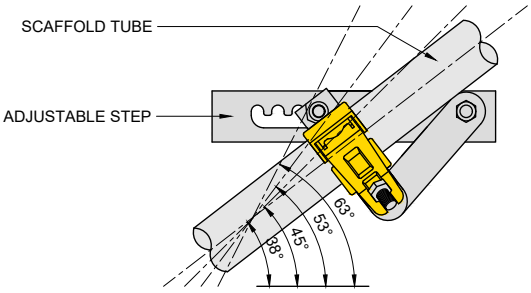


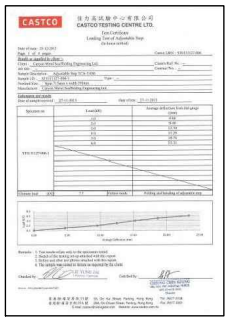


VIDEO

Instruction Video
使用說明視頻









APPLICATION:

- Use for any slope works & external surface of terrain, and landscape slope.
- Convenient for erection of ladder / staircase for different lengths to accommodate various environment and locations.

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CUSTOMIZED DESIGN SERVICES
各類建築用通架, 臨時護欄及金屬樓梯訂制服務

CLIENT REQUIREMENT
Canyon receives proposal from client to provide a safety solution for a problem encountered at construction sites

↓

AUTHORITY REQUIREMENT
With vast design experience, Canyon deliberates the client's requirement(s) to source relevant Standards applicable for the product

↓

FUNCTIONAL SOLUTIONS
Preliminary design is created through 3-D modeling & simulation so that the general idea can be outlined to capture the ideal functionality

↓

EVALUATION
Further comments from client are evaluated to fine-tune the product so that the optimal design can be achieved

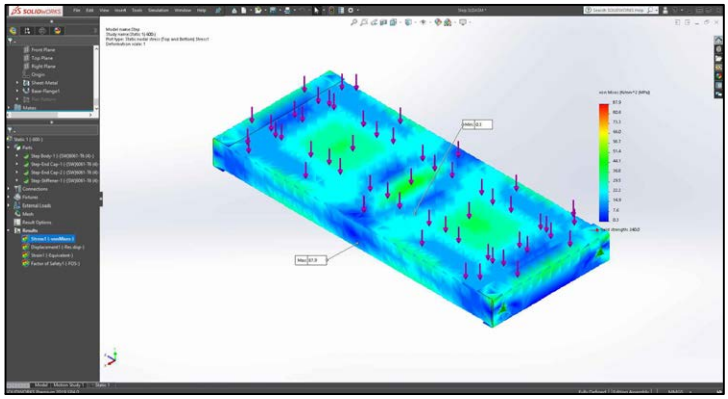
↓

DETAIL DESIGN
Design details are refined & finalized with material selection & dimensions ready for manufacturing

↓

FINAL PRODUCTION
Last-minute touch-ups are reviewed & finalized to prepare for mass production/manufacturing

Canyon never turns down a challenge to design a better solution to improve the construction industry. With the focus on safety & efficiency, Canyon's design team utilizes top-of-the-line software to create a 3-D model so that the design process can be streamlined. Designs can be quickly generated / modified so that real-life simulations can be implemented using the software; as a result, the overall process time is reduced. The key is to successfully deliver a better innovation to enhance safety & convenience for workers on the construction site.



Static Stress Analysis Simulation



3D Model

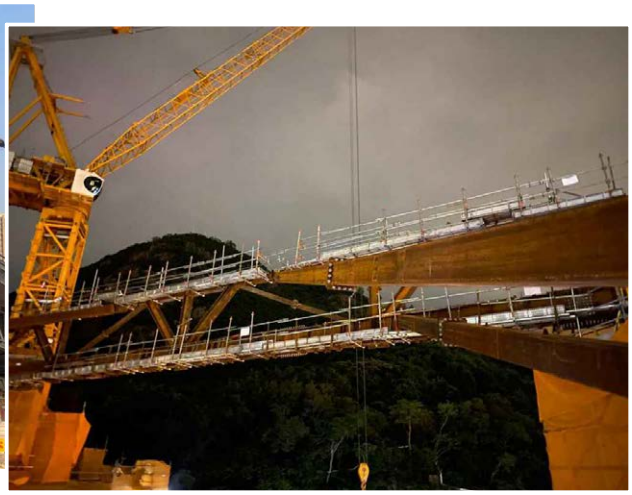


Actual Product

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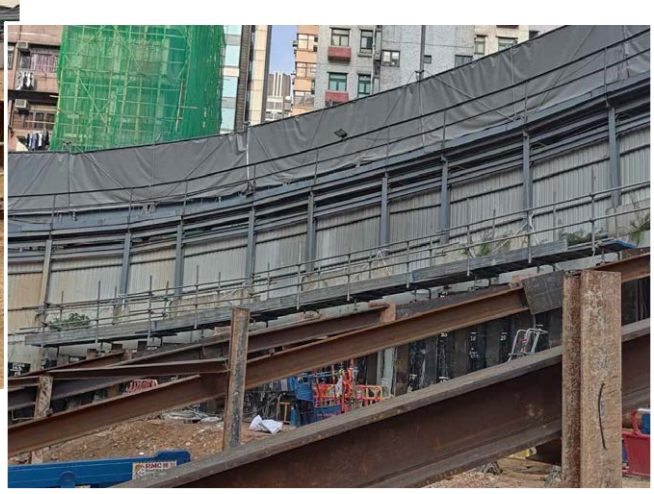




I-BEAM CATCH BASE



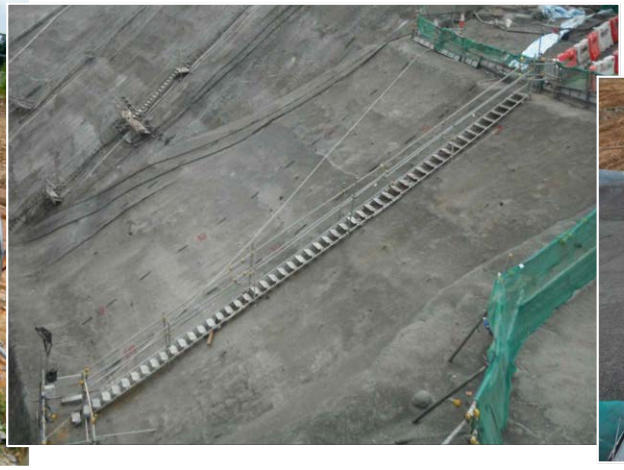
SHEET PILE GUARD POST



ROUND PILE CATCH BASE



ADJUSTABLE STAIRCASE





ADJUSTABLE STEP

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STEEL PLANK
金屬橋板

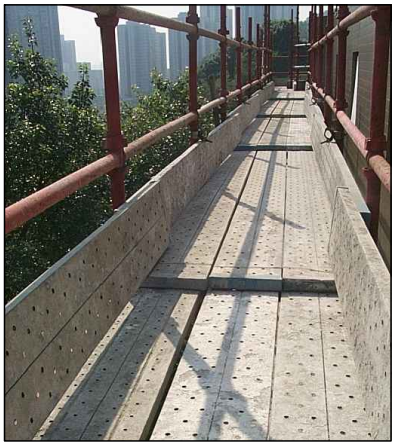


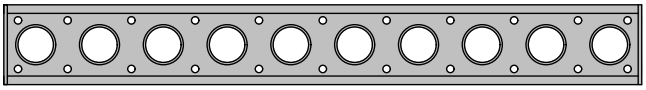
Code	Length	Width	Thickness	Sheet Thk.	Coating	Weight
TSK-2000	2000 mm	250 mm	50 mm	1.2 mm	Galv.	8.8 kg
TSK-3000	3000 mm					13.1 kg
TSK-4000	4000 mm					17.4 kg



TECHNICAL SPECIFICATIONS OF STEEL PLANK

Permissible UDL at 1829 mm span	300 kg
Permissible Point Load at 1829 mm span	150 kg
Deflection at 150 kg	13.5 mm or less





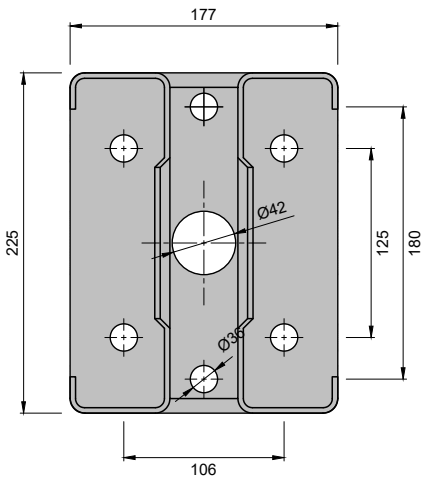
STEEL SOLDIER
油炸鬼

- Highly flexible with range of beam lengths and components
- Heavy duty structural section that can be both used as beam and column
- Suitable for wall and slab support, temporary access and platforms as well as shoring applications
- Steel soldiers can be bolted end to end offering flexible lengths suited for specific uses

NOTE: to fix steel soldier end-to-end 4 nos. M16 x 35 HT (Grade 8.8) set bolt and nuts are recommended.

Steel Soldier Section Properties		
	SSP Series	
Cross Sectional Area (Gross)	27.15	cm^2
Cross Sectional Area (Nett)	19.04	cm^2
Young's Modulus	205000	N/mm^2
Inertia xx	1950	cm^4
Inertia yy	605	cm^4
r xx	10.12	cm
r yy	5.64	cm
Minimum F.O.S.	1.6	
Axial Comp (Facade) ≤	300	kN
Axial Comp (Shore) ≤	100	kN
Axial Tension	120	kN
Moment of Resistance	38	kNm
Moment of Resistance (Joint)	10	kNm
Moment of Resistance (Reinf. Joint)	15	kNm
Shear (not less than)	75	kN
Shear at joint (not less than)	75	kN
Self weight	21.6	kg/m

Item Code	Length	Coating	Weight
SSP-900G	900	Galv.	24.1 kg
SSP-1800G	1800	Galv.	42.0 kg
SSP-2700G	2700	Galv.	59.7 kg
SSP-3600G	3600	Galv.	77.6 kg



For further information, please contact: **general@canyonhk.com**

BUSINESS DEPT.: **d-b@canyonhk.com**
ENGINEERING DEPT.: **d-e@canyonhk.com**

Or visit our website: **www.canyonhk.com**

CANYON

ROOM 605-606, 6/F, WESTLANDS CENTRE
20 WESTLANDS ROAD, QUARRY BAY, H.K.

TEL: (852) 2885 9633 FAX: (852) 2567 1611

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