

2022/23

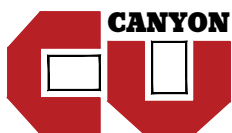
TOYO SYSTEM CATALOGUE

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



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

INNOVATIVE
PROFESSIONAL
QUALITY
SAFE
INTEGRITY



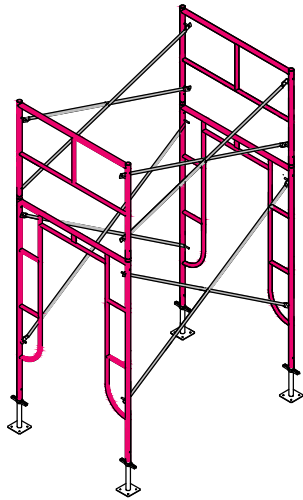
COMPANY INTRODUCTION & CONTENTS

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TOYO SCAFFOLD

輕型通架

The most widely used falsework system for its simplicity to assemble, comparatively light in weight, and providing high strength & safety.

APPLICATION

Toyo Scaffolding can be applied to various outdoor and indoor uses; such as scaffolding for outdoor building works, the shorings, supports, shatterings, towers and bleachers. The basic unit is the frame, with the combination of base jack, cross brace, joint pins, steel tube and couplers; Toyo scaffolding can formulate a comprehensive falsework system as well as a simple access and rolling tower.

Various sizes of the Toyo's Steel Prop are also available for speedy propping work.



Rolling Tower



Toyo Scaffold System for Falsework



Access Tower



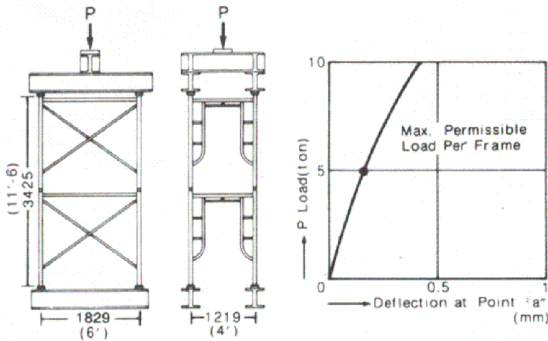
External Scaffolding



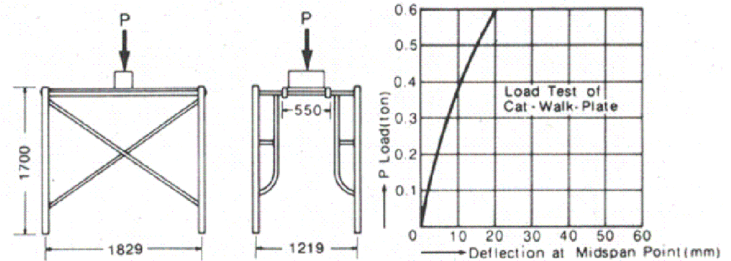
Toyo frames are manufactured from structural carbon steel with main load-bearing members having an outside diameter of 43 mm.

LOAD TESTS

Frame TFR-A1217B



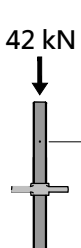


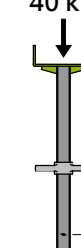
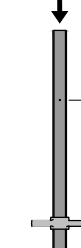

Catwalk TCA-TK6CG



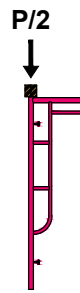
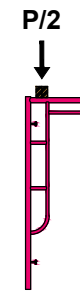
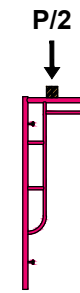
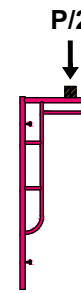
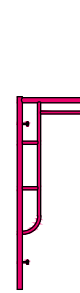
Safety Working Loads on Frame (Factor of Safety: 2)

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
					

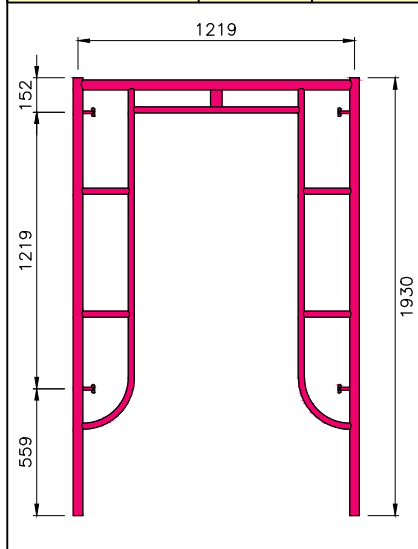
Reduction in strength, depending upon positions where frame load is applied

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

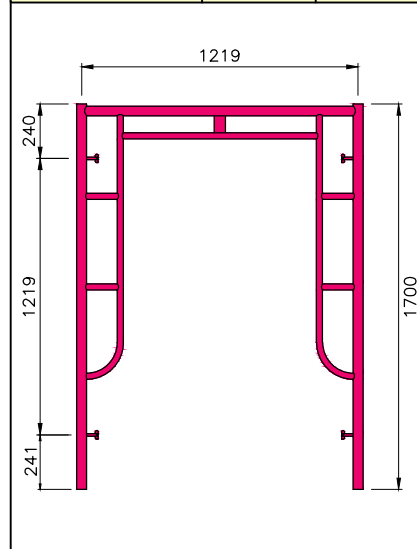
Note: For load point, square pipe material 100 x 100 mm is recommended to use



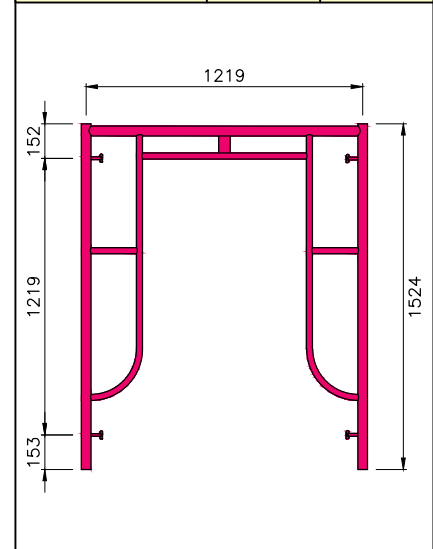
Frame 輕架	Coating	Weight
TFR-A1219	Painted	19.7 kg
TFR-A1219G	Galv.	19.7 kg



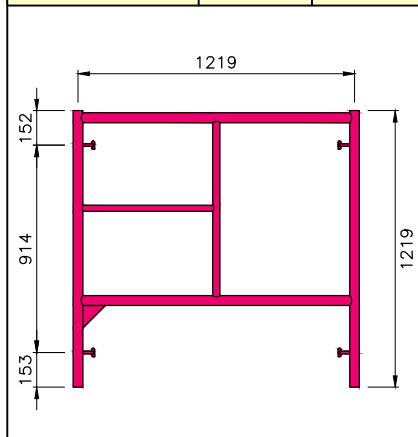
Frame 輕架	Coating	Weight
TFR-A1217B	Painted	15.9 kg
TFR-A1217BG	Galv.	15.9 kg



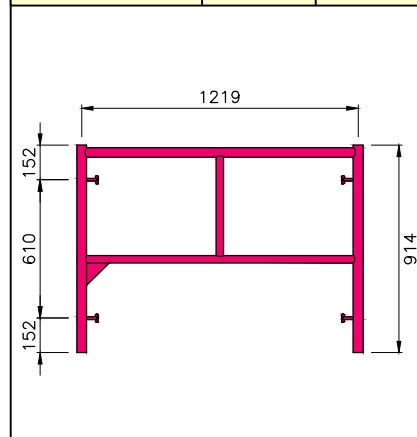
Frame 輕架	Coating	Weight
TFR-A1215	Painted	16.8 kg
TFR-A1215G	Galv.	16.8 kg



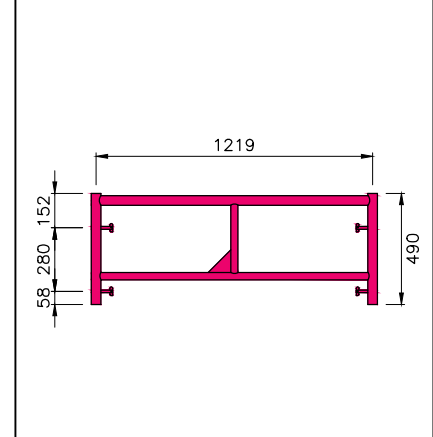
Frame 輕架	Coating	Weight
TFR-A1212L	Painted	13.8 kg
TFR-A1212LG	Galv.	13.8 kg



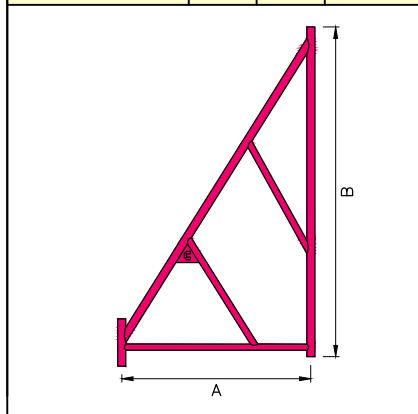
Frame 輕架	Coating	Weight
TFR-A1209L	Painted	10.1 kg
TFR-A1209LG	Galv.	10.1 kg



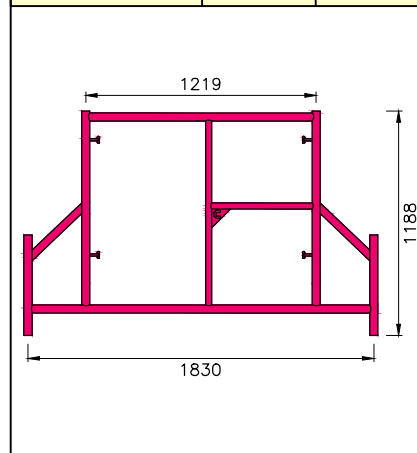
Frame 輕架	Coating	Weight
TFR-A1204L	Painted	7.9 kg



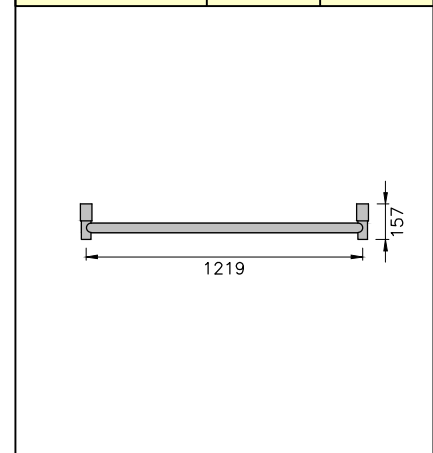
Outrigger Frame 斜腳底架	A	B	Weight
TSP-OR1017	1000	1745	13.5 kg
TSP-OR0910	900	1084	7.7 kg



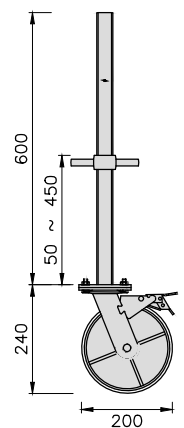
Outrigger Frame 斜腳底架	Coating	Weight
TFR-1811BL	Painted	18.6 kg



Base Bar 底座	Coating	Weight
TPT-BB1219	Painted	3.2 kg

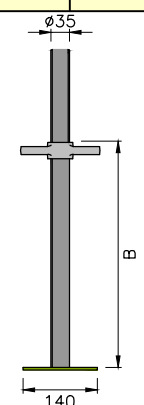


Adj. Jack Castor 有制轉仔連積芯	Weight
TWH-2060PA	10.3 kg

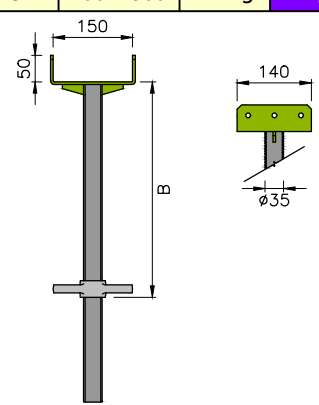


Static Safety Working Load	450 kg
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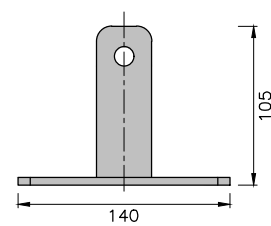
Base Jack 底積	B	Weight	Marking
TJK-78B	100 ~ 600	5.9 kg	Magenta / 洋紅
TJK-60B	100 ~ 450	4.9 kg	Green / 綠
TJK-40B	100 ~ 300	3.7 kg	Purple / 淺紫



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

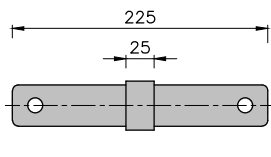


Base Plate 底座	Weight
TJK-A15BP	0.9 kg

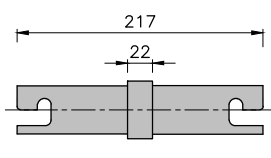
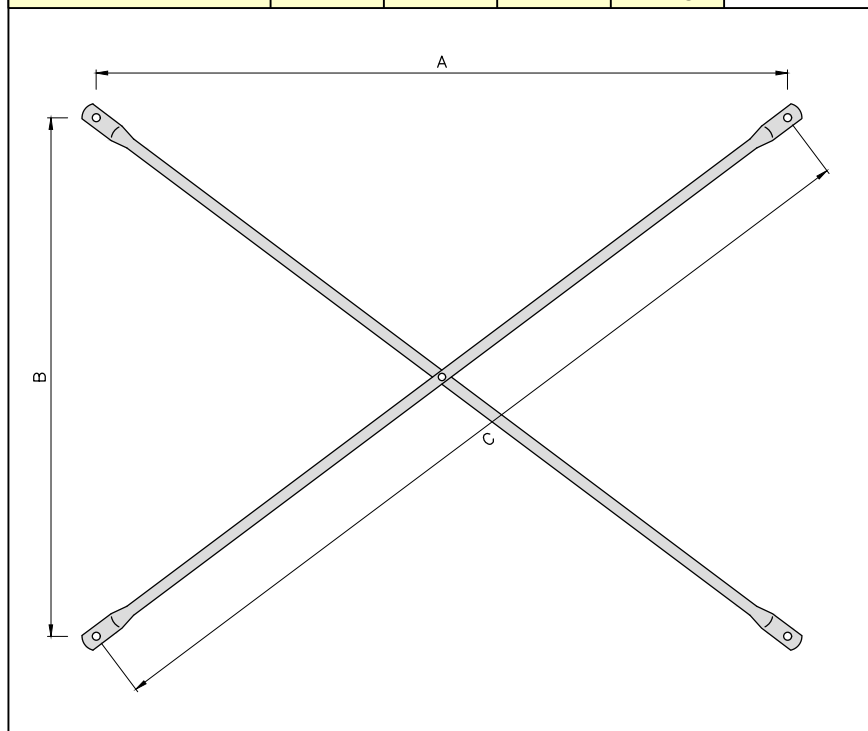


Cross Brace (Galv.) 較剪	A	B	C	Weight	Marking
TCB-X1812	1829	1219	2198	4.2 kg	Red / 紅
TCB-X1809		914	2045	4.0 kg	Blue / 藍
TCB-X1806		610	1928	3.7 kg	Pink / 粉紅
TCB-X1512	1524	1219	1952	3.7 kg	Orange / 橙
TCB-X1506		610	1642	3.2 kg	Yellow / 黃
TCB-X1212		1219	1724	3.3 kg	Blue / 藍
TCB-X1209	1219	914	1524	2.9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

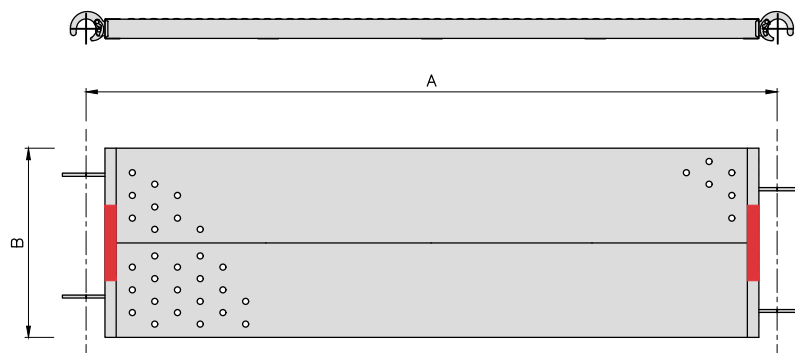
Joint Pin 駁心	Weight
TPN-A20J	0.4 kg



Coupling Pin 喉通駁心	Weight
TPN-B20C	0.6 kg

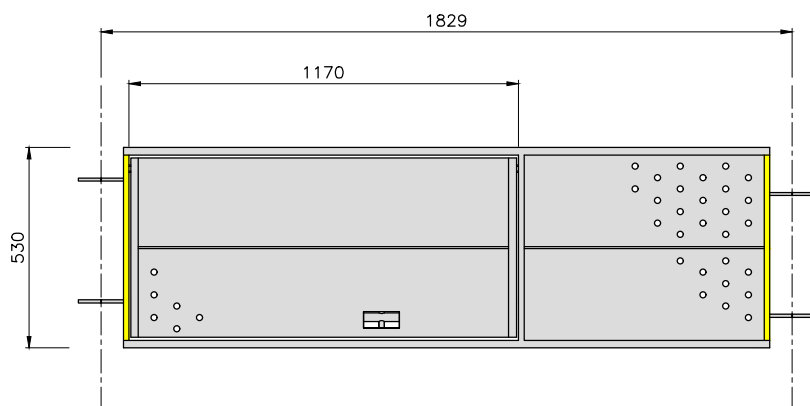



Catwalk 平台板	A	B	Weight	Marking
RCA-1850	1829	500	17.4 kg	Red / 紅
RCA-1825		240	9.1 kg	
TCA-1250	1219	500	12.1 kg	Black / 黑
TCA-1225		240	6.6 kg	

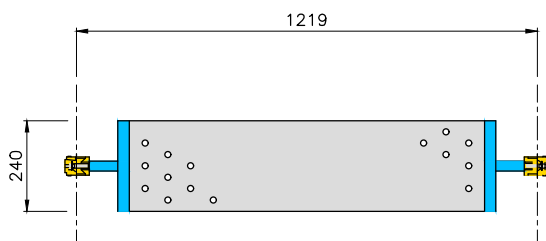


Catwalk Width	Safety Working Load
500	250 kg
250	125 kg

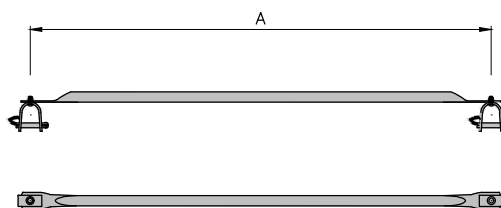
Catwalk 揭蓋平台板	Weight	Marking
TCA-60PA	18.3 kg	Yellow / 黃



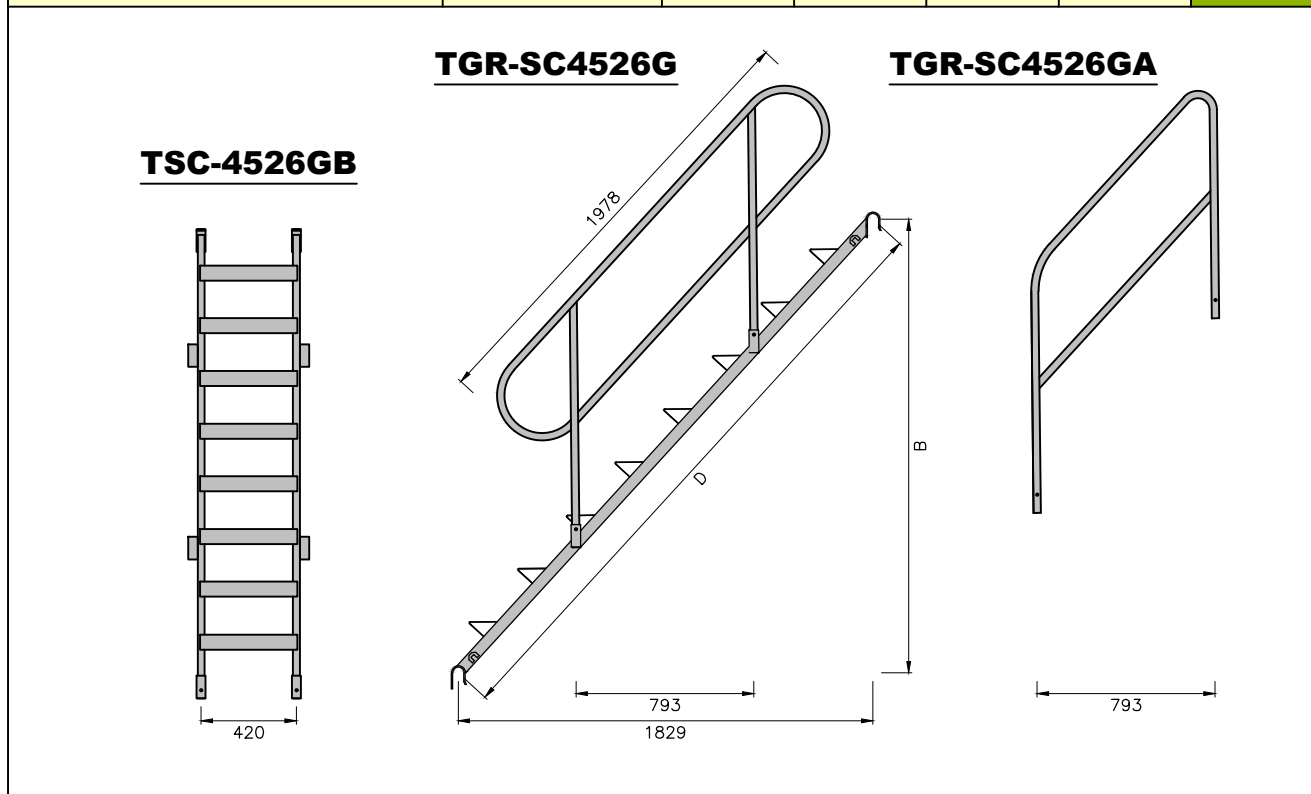
Toeboard 踢腳板	Weight	Marking
TTB-TK4FG	4.7 kg	Blue / 藍



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



Item Name	Code	A	B	D	Weight	Marking
Staircase 樓梯	TSC-4525GB	1829	1725	2514	22.3 kg	Green / 綠
Staircase 樓梯	TSC-4526GB	1829	1955	2693	24.0 kg	Yellow / 黃
Staircase Handrail for TSC-4526GB 樓梯扶手	TGR-SC4526G	-	-	-	5.0 kg	Orange / 橙
	TGR-SC4526GA	-	-	-	2.9 kg	Green / 綠



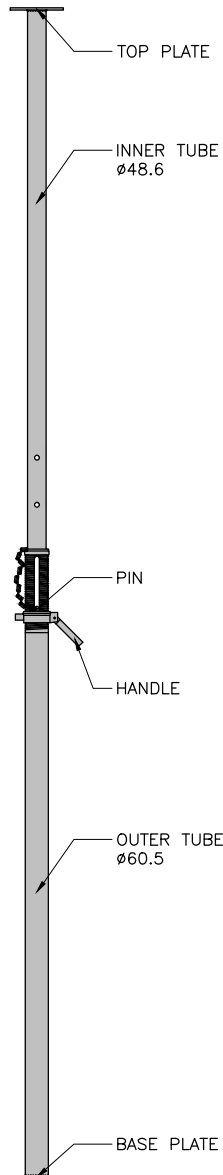
**Toyo Scaffold Support for Concrete Slab
(under-construction)**

Location: Kowloon Station Development

Toyo Scaffold Support for Flyover

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





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	S.W.L at Min. Height	S.W.L at Max. Height	Weight	Marking
TSP-TS60G	1,850 mm	3,050 mm	23.0 kN	23.0 kN	12.6 kg	Green / 綠
TSP-TS70G	2,150 mm	3,350 mm			13.8 kg	Pink / 粉紅
TSP-TS75G	2,290 mm	3,600 mm			13.8 kg	Blue / 藍
TSP-TS90G	2,700 mm	3,900 mm		20.0 kN	16.0 kg	Red / 紅
TSP-MB85G	2,580 mm	3,940 mm	25.0 kN	25.0 kN	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 reproping during construction and demolition projects.



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



Main Contractor	Contract / Project Site
China State Construction Engineering (Hong Kong) Limited	Contract No. SSA503 Design and Construction of Fire Services Training School cum Driving Taining School at Pak Shing Kok, Area 78, Tseung Kwan O
Kaden - Leader Joint Venture	Contract No. 1113 Reprovisioning of NTS Animal Management Centre and Shatin Plant Quarantine Station
Yau Lee Construction Co Ltd	Construction of Subsidised Sale Flats Development at Queen's Hill Site 1 Phase 3 and Portion of Phase 6
Penta Ocean Construction Ltd	Construction of An Integrated Rehabilitation Services Complex at Ex-Siu Lam Hospital Site, Tuen Mun
Build King - SKEC Joint Venture	Contract No. HY/2014/08 Construction of Tunnel at Yau Ma Tei, Reconstruction of a Section of The Gascoigne Road Flyover and Reprovisioning of Affected Public Facilities at Yau Ma Tei
China State - Shui On Joint Venture	Design and Constuction of Hong Kong Children's Hospital
Wing Hing Construction Co Ltd	Proposed Commerical Development at Junction of Cheung Yip Street, Sheung Yee Road and Wai Yip Street, Kowloon Bay, Kowloon - NKIL 6313
Gammon Construction Ltd	Construction of M+ Museum for the West Kowloon Cultural District Authority
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 Co Ltd	Redevelopment of St. Paul's Co-Educational Primary School Nam Fung Road, H.K.
Kaden - Leader Joint Venture	Contract No. 1126 Reprovisioning of Harbour Road Sports Centre and Wan Chai Swimming Pool
Leighton Contractors (Asia) Ltd	H2634 - Contract No. SS C505 - Construction of Liantang / Heung Yuen Wai Boundary Control Point
Paul Y. Engineering Group Limited	University of Chicago Center in Hong Kong
Wing Hing Construction Co Ltd	Proposed Redevelopment at No.2 Ng Fong Street, Sanpokong, Kowloon
Penta Ocean Construction Ltd	Proposed Grade A Office Development at No. 348 Kwun Tong Road, Kwun Tong Inland Lot No. 761, Kowloon East, Hong Kong



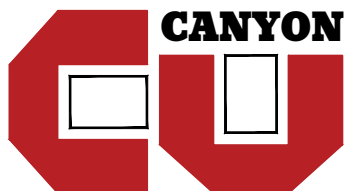
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