



加豐鐵架工程有限公司

H.K. SCAFFORM SUPPLIERS LTD.

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SPECIFICATION OF L/Y-FRAME SYSTEM

Vertical elements, steel		Length/height m	Width m	Approx. weight kg
Whether for conventional scaffolding, for suspended scaffolding, for rolling towers or for supporting scaffolding, the L/Y scaffolding materials, made of hot-dip galvanized steel is approved. Its different lengths mean it is ready for use and the characteristic rosette at 500mm intervals provides superior connection technology:				
Standards Standards made from tubular high tensile steel, Ø48mm hot-dip galvanized with rosettes at 500mm intervals for up to 8 connections at the same joint. Each rosette has 4 large holes and 4 small holes, the small holes are used for right-angled connections and the large holes are used for connections at variable angles. Connectors are bolt-in.	Standard (50KN/Leg with FOS = 2) (直柱) 	1.0 1.5 2.0 2.5 3.0		5.75 8.40 11.5 12.70 14.00
Connector In order to interconnect standards with bolt-in connectors, screws M12x60mm with nut, can be used. However, the connector should always be connected to both upper and lower standards with the screws.	Connector (直柱駁心) Screw M12x60mm, with nut 	at least 2 screws are needed for one joint 0.464		1.45
Base Collars The standard base collar with rosette is to be used in conjunction with adjustable or normal base plates to from the scaffolding base. Always place a base collar onto the adjustable base plates first and then fix the standard.	Base collar (短腳套) steel Base collar, extended, (長腳套) steel, 	0.23 0.33		1.50 2.60
Horizontal elements, side protection		The head is pushed over the rosette and the wedge fitted by hand - it falls into the rosette recess and secures the ledger against falling out during erection by means of positive locking. Frictional connection is achieved by driving the wedge home with a hammer.		
Longitudinal ledgers and diagonal braces from the L/Y system have the legendary wedge head at both ends whose inside radius matches the standard at the front exactly - in this way loads are transferred directly into the standard. You can be sure of safety from the start:				
Ledger Depending on the scaffold bay, the type of deck, there is a choice of ledgers made from round tubes. The ledgers support decks, are bracing elements and are used as guardrails. The wedge lock system forms a frictional and positive locking connection and ensures an even distribution of load between standard and ledger. Safety is achieved from the moment of assembly as the wedge locking device prevents displacement even when the wedge has just been loosely inserted. Longitudinal ledgers are not required on the deck level if the decks are secured with the lock-against-lift-off	Ledger (橫桿) 	0.425 0.675 0.762 0.914 1.219 1.524 1.829 3.658 Extension Ledger 1154-1578		2.00 2.50 2.70 3.35 3.95 4.60 5.60 10.00 4.80
Diagonal braces The diagonal braces with wedge connections are used to further brace the basic system of standards and ledgers and due to their high tensile value allow special scaffolding constructions.	Diagonal brace, steel, (斜桿) for 0.675m bay, 2.0m bay height for 0.762m bay, 2.0m bay height for 0.914m bay, 2.0m bay height for 1.219m bay, 2.0m bay height for 1.524m bay, 2.0m bay height for 1.829m bay, 2.0m bay height for 3.658m bay, 2.0m bay height 	2.11 2.14 2.19 2.34 2.51 2.71 4.17		6.20 6.30 6.40 7.80 8.20 8.45 11.0
L/Y Bracket Frame This L/Y extension bracket frame with wedge connection is used to form an addition platform for temporary used only. Except one worker , no more workers or material are allowed to stay or store on the addition platform which formed by L/Y extension bracket frame.	L/Y Bracket Frame (伸縮懸臂) (S.W.L.: 75kg / platform) 	0.425-0.675		3.90
Toe boards The three-way side protection for the both sides of the bay and at scaffold ends is completed by positioning toe boards. The metal fittings of the toe board are fixed between standard and wedge.	L/Y toe board, for longitudinal sides and end. 	0.675 0.762 0.914 1.219 1.524 1.829		1.70 1.90 / 1.70 2.20 / 2.70 2.50 / 3.00 2.90 3.00

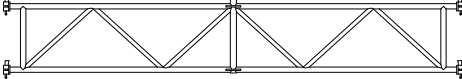

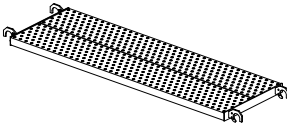
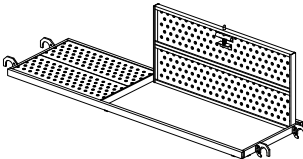
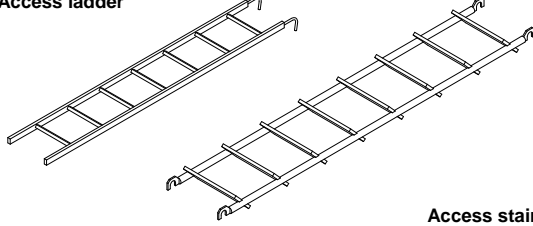
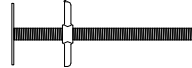

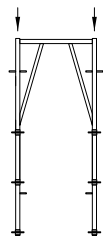
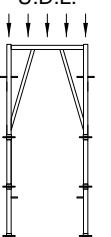
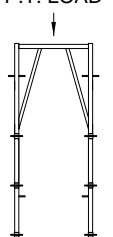


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SPECIFICATION OF L/Y-FRAME SYSTEM

		Length/height m	Width/depth m	Approx. weight kg
L/Y main truss, mini truss				
L/Y truss with wedge heads and connector(s) allows construction opening in scaffold bay sizes. The truss's chords are fixed with the wedge head to the rosette of the standard.	Main truss 3.6M / 5.4M(Length) Use in shoring frame (20.0KN) / (10.0KN) Use in access platform (30.0KN) / (15.0KN) 	3.6(Length) 5.4(Length)	0.5(depth) 0.5(depth)	33.60 48.50
	Mini truss 150 / 250(depth) Use in shoring frame (4.0KN) / (10KN) Use in access platform (8.0KN) / (20KN) 	3.6(Length) 3.6(Length)	0.15(depth) 0.25(depth)	24.85 25.80
Scaffold decks, access decks		L/Y scaffolding fulfils you optimum requirements, therefore providing the basis for economical and quick scaffolding construction. For use on level ground or in boilers. In suspended scaffolding and against ship hulls.		
The L/Y scaffolding deck range is safe to stand on at all heights, for all load groups, and under all working, transport and system conditions. Self-bracing frame decks are made of hot -dip galvanized steel.				
Decks L/Y system deck made of hot-dip galvanized steel. The bearing capacity of the entire system is to be taken into account.. With lock to prevent lift-off, all decks together generate the horizontal bracing effect in the scaffold without additional ledgers. When scaffold decks are used, horizontal ledgers are unnecessary at the same level. But guard-rail ledgers and toe boards are needed for working platform	Steel deck, 0.50m wide, S.W.L. (1.5KN/m²). 	1.829 1.524 1.219 0.914 0.675 1.829 0.762	0.5 0.5 0.5 0.5 0.5 0.24 0.6	16.10 14.50 12.70 9.4 7.4 8.10 8.50
	Access deck with hinged door, 0.53m wide, S.W.L. (1.5KN/m²). 	1.829	0.53	22.50
Internal access For internal access, there are access ladders or stair.	Access ladder 	2.15	0.35	9.350
		2.71	0.45	28.75
Extra heavy spindle tube with specially rolled thread. Suited for higher loading and extension.	L/Y base jack 60 (50KN/Leg with FOS = 2) (max. adjust. Range 500mm) 	0.6	0.15 x 0.15	5.80
This jack is used to build support scaffolds.	L/Y U-head jack 60 (50KN/Leg with FOS = 2) Adjustable swivel head, type tested, with 150mm head width to support timber or steel beams and transfer load to standard. 	0.6	0.18 x 0.15	6.50
Load bearing capacity of Mixed Frame				
Mixed Frame Frame made from tubular steel, hot-dip galvanized with rosettes at 500mm intervals for up to 8 connections at the same joint. The Mixed Frame can be mixed with ledgers or just use tubular cross bracings.	50KN/frame (With FOS = 2)	10KN for shoring frame 20KN for access platform	6KN for shoring frame 12KN for access platform	1.955
				0.675



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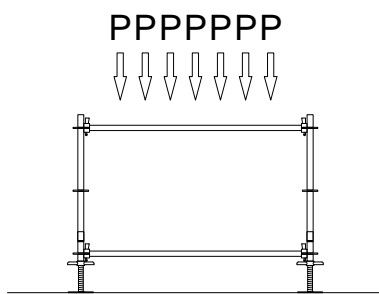
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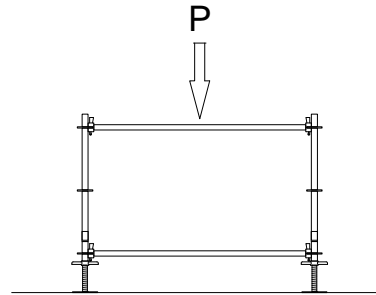
SPECIFICATION OF L/Y-FRAME SYSTEM

LOADING TABLE FOR DIFFER LEDGER SIZE UNDER UDL

LEDGER LENGTH	APPLICATION	MAX. LOAD PER LEDGER	RECOMMENDED LOAD PER LEDGER (WITH FOS = 2)
3658mm	FOR SHORING FRAME	--	--
1829mm		2.4KN	1.2KN
1524mm		2.4KN	1.2KN
1219mm		2.4KN	1.2KN
914mm		6.0KN	3.0KN
762mm		10.0KN	5.0KN
675mm		10.0KN	5.0KN
425mm		10.0KN	5.0KN
3658mm	FOR ACCESS PLATFORM	--	--
1829mm		4.8KN	2.4KN
1524mm		4.8KN	2.4KN
1219mm		4.8KN	2.4KN
914mm		12.0KN	6.0KN
762mm		20.0KN	10.0KN
675mm		20.0KN	10.0KN
425mm		20.0KN	10.0KN



U.D.L.



POINT LOAD

LOADING TABLE FOR DIFFER LEDGER SIZE UNDER POINT LOAD AT MID-SPAN

LEDGER LENGTH	APPLICATION	MAX. LOAD PER LEDGER	RECOMMENDED LOAD PER LEDGER (WITH FOS = 2)
3658mm	FOR SHORING FRAME	1.4KN	0.7KN
1829mm		3.0KN	1.5KN
1524mm		3.0KN	1.5KN
1219mm		3.0KN	1.5KN
914mm		4.0KN	2.0KN
762mm		4.0KN	2.0KN
675mm		4.0KN	2.0KN
425mm		4.0KN	2.0KN
3658mm	FOR ACCESS PLATFORM	2.8KN	1.4KN
1829mm		6.0KN	3.0KN
1524mm		6.0KN	3.0KN
1219mm		6.0KN	3.0KN
914mm		8.0KN	4.0KN
762mm		8.0KN	4.0KN
675mm		8.0KN	4.0KN
425mm		8.0KN	4.0KN