



PRODUCT MANUAL

GLOBAL ONE-STOP PROVIDER OF SCAFFOLDING,
FORMWORK & BUILDING MATERIALS



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FORMWORK & BUILDING MATERIALS

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RELIABLE SCAFFOLD SUPPLIER | SCAFFOLD MANUFACTURER | ADTO SCAFFOLD

ABOUT US

Hunan ADTO Building Materials Group Co., Ltd. (hereinafter referred to as "ADTO Building Materials Group"), founded in 1998, serves customers worldwide through an integrated business model combining brand operations, OEM manufacturing, and supply chain distribution.

With a business division-driven development strategy, the Group has established multiple specialized divisions covering a full range of construction materials, finishing materials, and home improvement materials, making it a global one-stop provider of scaffolding, formwork, and building materials.

ADTO Group has more than 300 wholly owned and joint venture factories. Through standardized production processes and a comprehensive quality control system, the Group strictly controls key stages including raw material inspection, in-process inspection, finished product inspection, and pre-delivery inspection, providing customers with high-quality products and reliable delivery services.

Our flagship scaffolding division operates under the proprietary brand "ADTO". ADTO products are globally recognized for their exceptional safety and reliability and have obtained major international certifications and quality system approvals, including ISO 9001, CE (EU), EN 12811, JIS (Japan), AS/NZS 1576 (Australia), RISE (Sweden), and CSA (Canada).

Currently, our products are exported to more than 170 countries and regions across North America, Europe, Australia, Russia, the Middle East, Central Asia, and Southeast Asia, supporting engineering and construction projects worldwide. In 2025, ADTO Group established its European Operations Center (EOC) in France. This strategic move significantly shortens delivery cycles and effectively addresses the "last mile" challenge in serving European customers. Through a comprehensive supply chain network and localized services, we are committed to becoming a reliable long-term partner in the European market.



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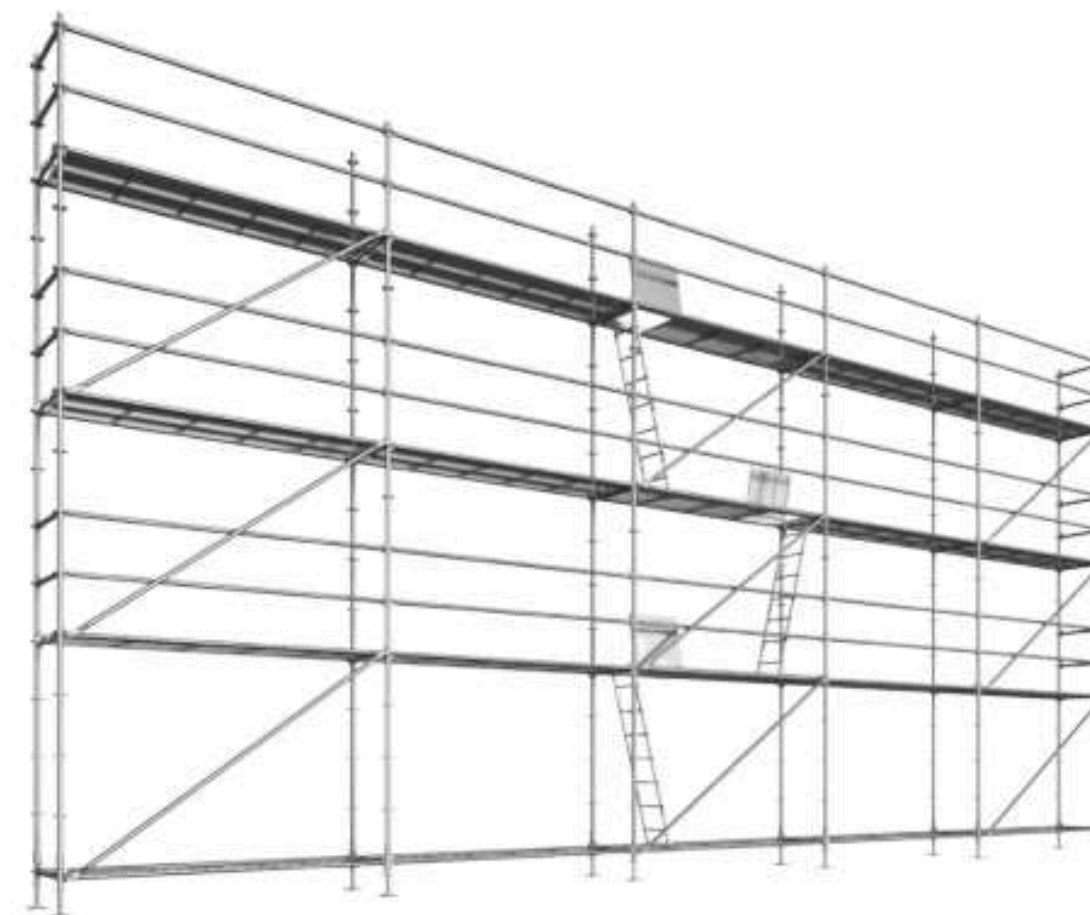
RINGLOCK SYSTEM

The Ringlock System represents a breakthrough in modular scaffolding, combining versatility, strength, and efficiency to meet the demands of modern construction projects.

Its innovative design features interlocking rosettes that seamlessly connect horizontal ledgers and vertical standards, enabling rapid assembly and highly flexible configurations. Renowned for its exceptional load-bearing capacity and structural stability, the system ensures safety across a wide range of applications, including construction, industrial maintenance, event staging, and temporary structures.

The intuitive, tool-free components help reduce assembly time and labor costs, while the robust structure ensures long-term durability and reliability. Whether used for complex scaffold structures or simple access platforms, the Ringlock System delivers outstanding adaptability without compromising performance.

Choose a scaffolding solution that combines advanced engineering with practical functionality.



FACADE SCAFFOLD

Facade scaffold area(m ²)	300	1000
Scaffold length x working height (m)	20×15	50×20

COMPONENTS

QUANTITY

Base jack 0.60 m	16	36
Base Collar 0.329 m	16	36
Standard with spigot 2 m	112	360
Standard with spigot 1 m	16	36
O Ledger 0.732 m	98	254
O Ledger 3.070 m	217	731
Vertical diagonal brace H2.0L3.070	21	60
Aluminium ladder frame with integrated ladder for O shaped hook-up,3.07 m	7	20
Steel plank O type 3.070 m	98	340
Drop Forged Double Coupler	32	90
Wall Tie	16	45
Weight (kg)	7,265	23775

RINGLOCK TOWER -TYPE ACCESS

ADVANTAGES

1. Ergonomically designed stair access for safe operation;
2. Suitable for a wide range of construction applications;
3. Can be used as emergency evacuation access in public areas;
4. Available in single-flight or double-flight stair configurations;
5. Quick and easy to erect and dismantle;
6. Fewer components for simplified transportation and logistics;
7. Versatile design compatible with various scaffolding systems;
8. Compact structure with high load-bearing capacity.

The tower-type access structure built with Ringlock components consists of standards, ledgers, diagonal braces, steel planks, and stair units.

For this type of tower access structure:

- If the erection height is 24 meters or below, it may be constructed in accordance with applicable structural codes and standards.
- If the erection height exceeds 24 meters, structural calculations and verification of the foundation bearing capacity are required.



MATERIALS REQUIRED PER UNIT (WIDTH 1.4m × LENGTH 2.57m × HEIGHT 7m)

BASIC COMPONENTS	QTY/PC	UNIT W.T(KG)
Base jack 0.60 m	4	3.84
Base Collar 0.329 m	4	1.81
Standard with spigot 2 m	12	10.48
Standard with spigot 1 m	4	5.78
O Ledger 1.4m	24	5.93
O Ledger 2.57m	24	10.26
Vertical diagonal brace H2.0L2.57	6	11.61
Vertical diagonal brace H2.0L1.4	6	9.16
Aluminium Platform Stair O-Type 2.57 m	3	21.9
Steel plank O type 2.57 m	2	20.82
Total Weight (kg)		792

SCAFFOLDING WORKING TOWER

ADVANTAGES

1. Versatile applications: suitable for both indoor and outdoor scaffolding applications;
2. Modular design ensures quick, safe, and easy assembly;
3. Mobile configuration available when fitted with casters;
4. Spacious working platform for comfortable and efficient operation;
5. Can be lifted and relocated as a complete unit using a crane or other lifting equipment.

When used as standalone units, these working towers have a maximum height of 8 meters. When tied to a building structure, the maximum height can be extended up to 24 meters.



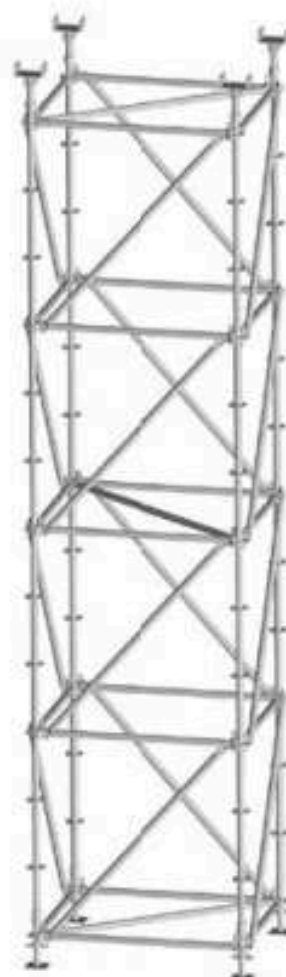
MATERIALS REQUIRED PER UNIT (WIDTH 1.4m × LENGTH 2.07m × HEIGHT 5.0m)

BASIC COMPONENTS	QTY/PC	UNIT W.T(KG)
Base jack 0.60 m	4	3.84
Base Collar 0.329 m	4	1.81
Standard with spigot 2 m	8	10.48
Standard with spigot 1 m	4	5.78
O Ledger 1.4m	14	5.93
O Ledger 2.07 m	14	8
Vertical diagonal brace H2.0L2.07	4	10.45
Vertical diagonal brace H2.0L1.4	3	9.16
Aluminium ladder frame with integrated ladder 2.07 m	2	22
Aluminium ladder frame without integrated ladder 2.07 m	4	20
Total Weight (kg)		518

RINGLOCK HEAVY-DUTY SHORING SYSTEM

ADVANTAGES

1. Modular design for fast, simple assembly and disassembly;
2. Compact structural design with high load-bearing capacity (up to 400 kN);
3. Versatile components suitable for a wide range of applications, including outdoor scaffolding and access towers.



MATERIALS REQUIRED PER UNIT (WIDTH 1.57m × LENGTH 1.57m × HEIGHT 6m)

BASIC COMPONENTS	QTY/PC	UNIT WT(KG)
Base Jack 0.60 m	4	3.84
Base Collar 0.329 m	4	1.81
Standard with Spigot 3 m	8	15.1
O Ledger 1.57m	20	5.93
Vertical Diagonal Brace H1.5L1.57	16	10.45
Horizontal Diagonal Brace W1.57L1.57	3	8.97
Head Jack (U Jack)	2	5.86
Total Weight (kg)		467.83

BASE JACK

Base jacks are used to level and stabilize scaffolding systems. Each unit consists of a tubular spindle with trapezoidal thread, a matching nut, and a 15×15 cm base plate.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-PS0.4	Adjustable Base Jack	0.40	3.17
AD-YP2-PS0.5		0.50	3.51
AD-YP2-PS0.6		0.60	3.84
AD-YP2-PS0.8		0.80	4.51



SWIVEL JACK

The Swivel Jack serves as an adjustable base support for scaffolding. With adjustable height and angle, it accommodates sloped or uneven ground where a standard base jack is not applicable.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-PS0.4-XZ	Swivel Jack	0.40	3.45
AD-YP2-PS0.5-XZ		0.50	3.51
AD-YP2-PS0.6-XZ		0.60	4.73
AD-YP2-PS0.8-XZ		0.80	5.40



HEAD JACK (U JACK)

The Head Jack (U Jack) accommodates timber sections or steel beams, allowing height adjustment and even load distribution.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-UJACK-450	Head Jack (U Jack)	0.45	5.86
AD-UJACK-600		0.6	6.19



BASE COLLAR

The base collar forms part of the scaffold foundation together with base jacks, and ensures proper horizontal alignment of the standards.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-Q01	Base Collar	0.33	1.81



CASTOR WITH JACK

Castors with jacks are essential components for mobile scaffolding towers, enabling easy movement and positioning.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-SGJL	Castor With Jack	0.50	6.75



STANDARD WITH PRESSED-IN SPIGOT

The standard is the load-bearing core component of scaffolding, fitted with rosettes every 50 cm for a maximum of 8 connections. It forms an integral frame when connected with ledgers and diagonal braces, transferring loads from the upper structure to the foundation.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-L01-050	Standard With Pressed-in Spigot	0.50	3.34
AD-YP2-L01-100		1.00	5.70
AD-YP2-L01-150		1.50	8.04
AD-YP2-L01-200		2.00	10.40
AD-YP2-L01-250		2.50	12.74
AD-YP2-L01-300		3.00	15.10
AD-YP2-L01-400		4.00	19.80



STANDARD WITH BOLTED SPIGOT

This standard is fitted with a bolted spigot (secured with special bolts). Rosettes are installed every 50 cm along the tube, with the distance from the tube's lower edge to the first rosette being 400 mm.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-L02-050	Standard With Bolted Spigot	0.50	3.99
AD-YP2-L02-100		1.00	6.35
AD-YP2-L02-150		1.50	8.69
AD-YP2-L02-200		2.00	11.05
AD-YP2-L02-250		2.50	13.39
AD-YP2-L02-300		3.00	15.75
AD-YP2-L02-400		4.00	20.45



SPIGOT

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-LJB0.31-202	Pressed-in spigot	0.31	0.98
AD-YP2-LJB0.52-202	Spigot for suspended scaffolds with 2 sets of bolt and nut	0.52	1.65



O-LEDGER

Ledgers are fitted with wedge connection heads at both ends. Available in various lengths, they support standard scaffold planks and guardrails, while also reinforcing the overall scaffold structure.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-OH01-039	O-ledger	0.39	2.19
AD-YP2-OH01-073		0.73	3.45
AD-YP2-OH01-109		1.09	4.77
AD-YP2-OH01-129		1.29	5.5
AD-YP2-OH01-140		1.40	5.93
AD-YP2-OH01-157		1.57	6.56
AD-YP2-OH01-207		2.07	8.41
AD-YP2-OH01-257		2.57	10.26
AD-YP2-OH01-307		3.07	12.12



O-REINFORCED LEDGER

The reinforced ledger is designed to support heavier loads when used in combination with scaffold decks.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-OH02-109	O-reinforced Ledger	1.09	6.98
AD-YP2-OH02-129		1.29	8.2
AD-YP2-OH02-140		1.40	8.9



O-BRIDGING LEDGER

The O-bridging ledger is designed to support scaffold decks where wide bay spans are required, or to span obstructions.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-OH03	O-bridging Ledger	1.57	9.55
AD-YP2-OH04		2.07	12.57
AD-YP2-OH05		2.57	15.59
AD-YP2-OH06		3.07	18.61



U-TRANSOM

The U-reinforced transom is designed to support decks in wider scaffold bays. Its reinforced structure ensures stable load-bearing for deck surfaces in larger-span configurations.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-UH01-045	U-transom	0.45	2.19
AD-YP2-UH01-073		0.73	3.16
AD-YP2-UH01-109		1.09	4.38



U-REINFORCED TRANSOM

The U-reinforced transom is designed to support decks in wider scaffold bays, leveraging its reinforced structure to ensure stable load-bearing for the deck surface in larger-span scaffold configurations.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-UH02-109	U-reinforced Transom	1.09	6.58
AD-YP2-UH02-140		1.40	8.40



U-BRIDGING LEDGER

The U-bridging ledger features an additional reinforcing tube to support heavier loads, and is designed to support standard scaffold decks in the Ringlock system.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-UH03-157	U-bridging Ledger	1.57	9.69
AD-YP2-UH03-207		2.07	12.81
AD-YP2-UH03-257		2.57	15.94
AD-YP2-UH03-307		3.07	19.07



DECK RETAINER/LIFT-OFF PREVENTOR

The deck retainer / lift-off preventer is used to prevent accidental lifting or displacement of U-transoms and U-bridging ledgers installed on deck ledgers.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-UXGB-02-073	Deck Retainer/ lift-off Preventor	0.73	1.40
AD-YP2-UXGB-02-109		1.09	2.08
AD-YP2-UXGB-02-140		1.4	2.68
AD-YP2-UXGB-02-157		1.57	3.01
AD-YP2-UXGB-02-207		2.07	3.96
AD-YP2-UXGB-02-257		2.57	4.92
AD-YP2-UXGB-02-307		3.07	5.88



O-TYPE MIDDLE TRANSOM

The O-type middle transom connects to ledgers via U-profile hooks to reduce the open space inside a scaffold bay, allowing partial decking with either system decks or scaffold planks.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-OZJG-073	O-type Middle Transom	0.73	4.00
AD-YP2-OZJG-109		1.09	5.32
AD-YP2-OZJG-140		1.40	6.47
AD-YP2-OZJG-207		2.07	8.96
AD-YP2-OZJG-257		2.57	10.81
AD-YP2-OZJG-307		3.07	12.66



O-TYPE PLANK TO PLANK TRANSOM

The O-type plank-to-plank transom features a central configuration and is used to secure steel planks on both sides, ensuring a stable connection between adjacent planks.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-OZJG-01-032	O-type Plank to Plank Transom	0.32	3.18
AD-YP2-OZJG-01-064		0.64	4.37
AD-YP2-OZJG-01-096		0.96	5.55



O-TYPE LEDGER TO PLANK TRANSOM

The O-type ledger-to-plank transom features an edge design, with one side resting on the tubular ledger and the other side fastening to the steel planks.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-OZJG-02-032	O-type Ledger to Plank Transom	0.32	3.02
AD-YP2-OZJG-02-064		0.64	4.24
AD-YP2-OZJG-02-096		0.96	5.45



U-TYPE PLANK TO PLANK TRANSOM

The U-type plank-to-plank transom features a central configuration and is used to secure steel planks on both sides.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-UZJG-01-032	U-type Plank to Plank Transom	0.32	3.1
AD-YP2-UZJG-01-064		0.64	4.2
AD-YP2-UZJG-01-096		0.96	5.3



U-TYPE LEDGER TO PLANK TRANSOM

The U-type ledger-to-plank transom features an edge design, with one side resting on the tubular ledger and the other side fastening to the steel planks.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-UZJG-02-032	U-type Ledger to Plank Transom	0.32	2.97
AD-YP2-UZJG-02-064		0.64	4.07
AD-YP2-UZJG-02-096		0.96	5.17



STEEL TOE BOARD

Steel toe boards are installed at platform level to complete the required three-tier edge protection, and are secured between the ledger wedge and the standard of the modular scaffold.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-TJB001-073	Steel Toe Board	0.73	2.69
AD-YP2-TJB001-109		1.09	3.76
AD-YP2-TJB001-140		1.40	4.69
AD-YP2-TJB001-157		1.57	5.12
AD-YP2-TJB001-207		2.07	6.59
AD-YP2-TJB001-257		2.57	8.07
AD-YP2-TJB001-307		3.07	9.36



DIAGONAL BRACE

The diagonal brace effectively disperses and transfers loads, preventing excessive local stress that could cause scaffold deformation or collapse. It maintains structural stability under both vertical loads (e.g., the weight of workers and materials) and horizontal loads (e.g., wind and construction-induced lateral forces).

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-X01-H050xL073	Diagonal Brace	H0.5xL0.73	4.11
AD-YP2-X01-H050xL109		H0.5xL1.09	5.04
AD-YP2-X01-H050xL140		H0.5xL1.40	5.93
AD-YP2-X01-H050xL157		H0.5xL1.57	6.44
AD-YP2-X01-H050xL207		H0.5xL2.07	7.95
AD-YP2-X01-H050xL257		H0.5xL2.57	9.48
AD-YP2-X01-H050xL307		H0.5xL3.07	11.03
AD-YP2-X01-H100xL073		H1.0xL0.73	5.36
AD-YP2-X01-H100xL109		H1.0xL1.09	6.03
AD-YP2-X01-H100xL140		H1.0xL1.40	6.74
AD-YP2-X01-H100xL157		H1.0xL1.57	7.18
AD-YP2-X01-H100xL207		H1.0xL2.07	8.52
AD-YP2-X01-H100xL257		H1.0xL2.57	9.95
AD-YP2-X01-H100xL307		H1.0xL3.07	11.43
AD-YP2-X01-H200xL073		H2.0xL0.73	8.31
AD-YP2-X01-H200xL109		H2.0xL1.09	8.69
AD-YP2-X01-H200xL140		H2.0xL1.40	9.16
AD-YP2-X01-H200xL157		H2.0xL1.57	9.45
AD-YP2-X01-H200xL207		H2.0xL2.07	10.45
AD-YP2-X01-H200xL257		H2.0xL2.57	11.61
AD-YP2-X01-H200xL307		H2.0xL3.07	12.87



O-TYPE HOP-UP BRACKET

The O-type hop-up bracket allows quick widening of scaffolding bays and easily adapts to projecting building components and eaves for seamless integration with the scaffold setup.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-SJJO422	O-type Hop-up	0.42	3.40
AD-YP2-SJJO732	Bracket	0.73	5.59

O-TYPE HOP-UP BRACKET WITH SPIGOT

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-SJJO390L	O-type Hop-up	0.39	4.35
AD-YP2-SJJO732L	Bracket With Spigot	0.73	7.33
AD-YP2-SJJO1088L		1.09	9.33

U-TYPE HOP-UP BRACKET

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-SJJO422	U-type Hop-up	0.42	3.08
AD-YP2-SJJO732	Bracket	0.73	5.28

U-TYPE HOP-UP BRACKET WITH SPIGOT

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-SJJO390L	U-type Hop-up	0.39	4.05
AD-YP2-SJJO732L	Bracket With Spigot	0.73	7.01

LATTICE GIRDER

Lattice girders are designed for spanning long distances and are commonly used in facade scaffolding. They enable direct connection to ringlock rosettes via wedge heads.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-HL4.144	Lattice Girder	4.14	43.78
AD-YP2-HL5.144		5.14	53.21
AD-YP2-HL6.144		6.14	62.65



O-TYPE STEEL PLANK 320MM

O-type steel planks are made of perforated steel plate, finished with hot-dip galvanizing and fitted with forged connecting claws. They are compatible with all ledgers, double ledgers, lattice girders and side brackets that use 48.3 mm outer diameter (OD) tubes as supports. Each plank features an integrated deck retainer and is available in three standard widths: 320 mm, 300 mm and 190 mm.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-TB320-L732	O-type Steel Plank 320mm	0.73	7.2
AD-YP2-TB320-L1088		1.09	9.68
AD-YP2-TB320-L1400		1.40	11.69
AD-YP2-TB320-L1572		1.57	12.63
AD-YP2-TB320-L2072		2.07	16.63
AD-YP2-TB320-L2572		2.57	20.82
AD-YP2-TB320-L3072		3.07	24.3



O-TYPE STEEL PLANK 190MM

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-TB190-L732	O-type Steel Plank 190mm	0.73	6.18
AD-YP2-TB190-L1088		1.09	8.15
AD-YP2-TB190-L1400		1.40	10.06
AD-YP2-TB190-L1572		1.57	11.29
AD-YP2-TB190-L2072		2.07	14.21
AD-YP2-TB190-L2572		2.57	16.85
AD-YP2-TB190-L3072		3.07	19.31



U-TYPE STEEL PLANK 320MM

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-TB32U-L732	U-type Steel Plank 320mm	0.73	6.90
AD-YP2-TB32U-L1088		1.09	9.07
AD-YP2-TB32U-L1400		1.40	11.52
AD-YP2-TB32U-L1572		1.57	12.34
AD-YP2-TB32U-L2072		2.07	16.30
AD-YP2-TB32U-L2572		2.57	20.11
AD-YP2-TB32U-L3072		3.07	23.60



U-TYPE STEEL PLANK 190MM

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-TB19U-L732	U-type Steel Plank 190mm	0.73	5.08
AD-YP2-TB19U-L1088		1.09	7.43
AD-YP2-TB19U-L1400		1.40	8.60
AD-YP2-TB19U-L1572		1.57	10.14
AD-YP2-TB19U-L2072		2.07	13.18
AD-YP2-TB19U-L2572		2.57	16.03
AD-YP2-TB19U-L3072		3.07	19.01



ALUMINIUM FRAME LADDER HATCH DECK

The aluminium frame ladder hatch deck features a lightweight, corrosion-resistant aluminium frame and a stable plywood deck. Fixings and deck panels are replaceable. It includes a movable ladder opening and an aluminium inter-floor ladder, suitable for various construction projects to facilitate personnel access and work.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-LKMTB-L2072	Aluminium Frame	0.61×2.07	22
AD-YP2-LKMTB-L2572	Ladder Hatch Deck	0.61×2.57	25
AD-YP2-LKMTB-L3072		0.61×3.07	28



ALUMINIUM PLATFORM STAIR O-TYPE

The aluminium platform stair is complete with upper and lower landings. It features forged support claws for attachment to 48.3 mm diameter tubes, as well as a deck retainer.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-LLT-H2.0L2.57	Aluminium Platform Stair O-type	2.0×2.57	21.9
AD-YP2-LLT-H2.0L3.07		2.0×3.07	23.6



PLATFORM STAIR INNER GUARDRAILS

Platform stair inner guardrails are used to provide a handrail on the inner side of the aluminium staircase (steel construction).

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-NFS-H2.0L2.57	Platform Stair Inner	2.0×2.57	10.5
AD-YP2-NFS-H2.0L3.07	Guardrails	2.0×3.07	10.5



PLATFORM STAIR OUTER GUARDRAILS

Platform stair outer guardrails are used to provide a handrail on the outer side of the aluminium staircase (steel construction).

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-WFS-H2.0L2.57	Platform Stair	2.0×2.57	18.19
AD-YP2-WFS-H2.0L3.07	Outer Guardrails	2.0×3.07	20.04



STAIRWELL GUARDRAIL

The stairwell guardrail is used to prevent falls from the open side of a staircase.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-SWGR01	To prevent falls from the open side of a staircase	ST	8.4



WALL TIE

Wall ties are designed to connect scaffolding to building facades, ensuring vertical anchoring and parallel alignment for stability. Capable of withstanding both tension and compression loads, they enhance overall scaffolding safety.

ITEM CODE	DESCRIPTION	SIZE(M)	WEIGHT(KG)
AD-YP2-LQJ-L500	Wall Tie	0.5	2.1
AD-YP2-LQJ-L1000		1.0	3.84
AD-YP2-LQJ-L1500		1.45	5.52



EYE BOLT

Galvanized steel eye bolts (M12, 12 mm outer diameter) are used with wall ties and expanding plugs to anchor wall ties to solid structures.

ITEM CODE	DESCRIPTION	SIZE(MM)	WEIGHT(KG)
AD-YP2-YYQ-L120	Eye Bolt	M12x120	0.174
AD-YP2-YYQ-L160		M12x160	0.207
AD-YP2-YYQ-L190		M12x190	0.234
AD-YP2-YYQ-L300		M12x300	0.325
AD-YP2-YYQ-L500		M12x500	0.495
AD-YP2-YYQ-L600		M12x600	0.579



GUARDRAIL STANDARD

ITEM CODE	SIZE(M)	WEIGHT(KG)
AD-GRST-100	ST	5.6



SPINDLE ATTACHMENT WITH WEDGE-HEAD

ITEM CODE	SIZE(M)	WEIGHT(KG)
AD-SPDA-600	0.6m	3.54



ADJUSTABLE SAFETY GATE

ITEM CODE	SIZE(M)	WEIGHT(KG)
AD-YP-ADSFGT	0.732	6.6



ROSETTE CLAMP

The Rosette Clamp allows an additional rosette to be attached at any position on the vertical standard tube. It can support up to six connection points.

ITEM CODE	SIZE(M)	WEIGHT(KG)
AD-YP-RSTCL	ST	1.1



SWIVEL ADAPTER CLAMP

ITEM CODE	SIZE(M)	WEIGHT(KG)
AD-YP-SWADCL	ST	1.3



RIGHT ANGLE ADAPTER CLAMP

ITEM CODE	SIZE(M)	WEIGHT(KG)
AD-YP-RAADCL	ST	1.2



LEG LOCK/SUSPENDED SCAFFOLD

Used in pairs, the Leg Lock is designed to fasten to the bottom rosette of the upper standard and the top rosette of the lower standard. It connects standards to one another and is intended for scaffolding setups that require suspension or lifting.

ITEM CODE	SIZE(M)	WEIGHT(KG)
AD-YP-LGLK	0.5	3.56



SPIGOT ADAPTER CLAMP FOR GIRDERS

The Spigot Adapter Clamp enables connection of Ringlock standards at intermediate positions along the length of spigot-free lattice girders.

ITEM CODE	SIZE(M)	WEIGHT(KG)
AD-YP-SACLFG	ST	1.89



SPIGOT ADAPTER CLAMP

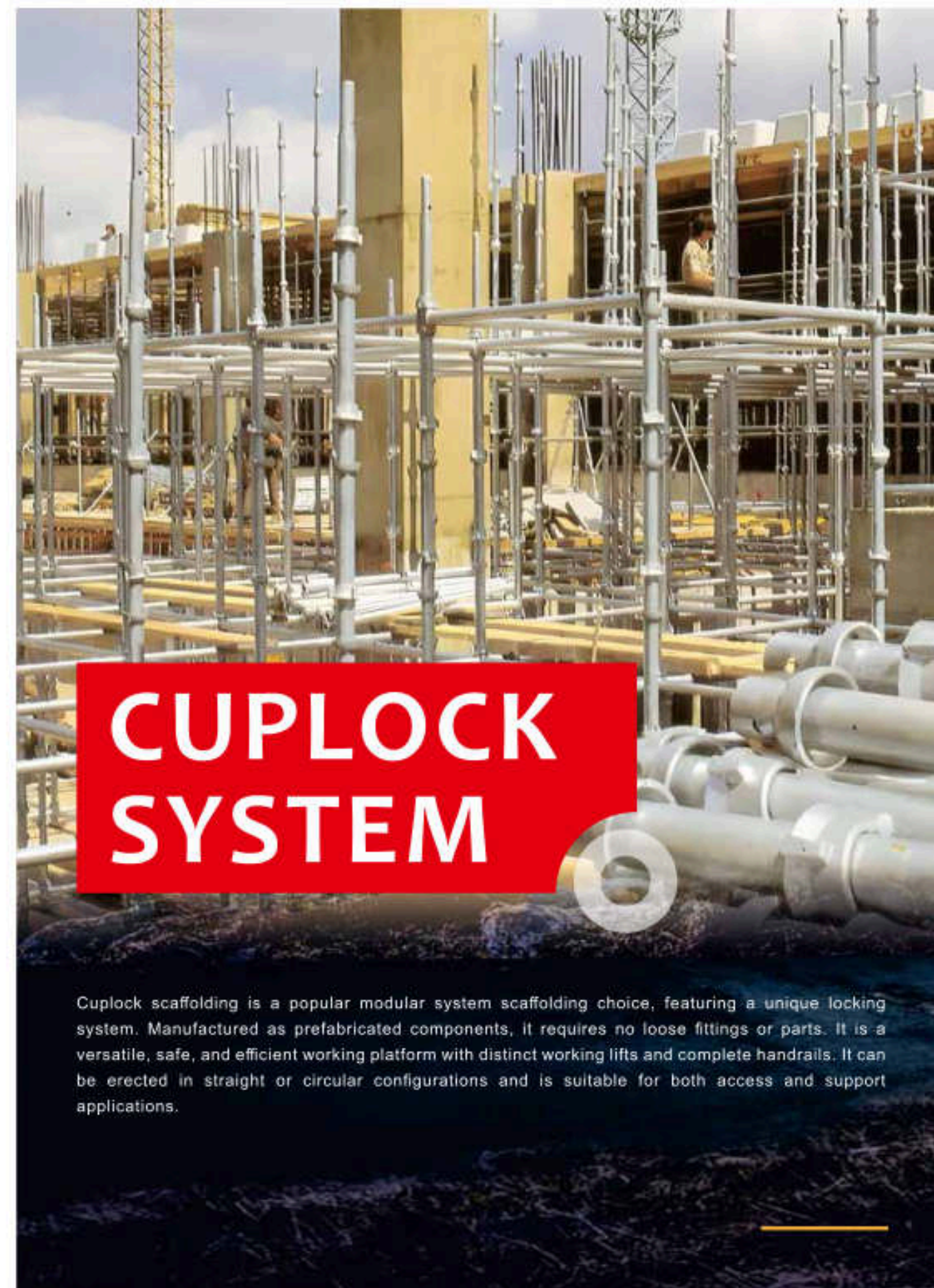
The Spigot Adapter Clamp enables connection of Ringlock standards at intermediate positions along the length of O-type ledgers, truss ledgers, and girders.

ITEM CODE	SIZE(M)	WEIGHT(KG)
AD-YP-SACL	ST	1.93



CUPLOCK SYSTEM

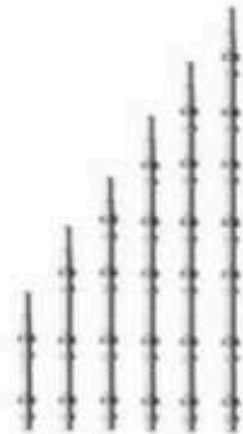
Cuplock scaffolding is a popular modular system scaffolding choice, featuring a unique locking system. Manufactured as prefabricated components, it requires no loose fittings or parts. It is a versatile, safe, and efficient working platform with distinct working lifts and complete handrails. It can be erected in straight or circular configurations and is suitable for both access and support applications.



CUPLOCK STANDARD,HDG

Cuplock standards feature lower fixed cups at 0.5 m intervals, with captive rotating top cups that secure up to four components. Extension standards include a spigot at the top to enable vertical connection of additional standards.

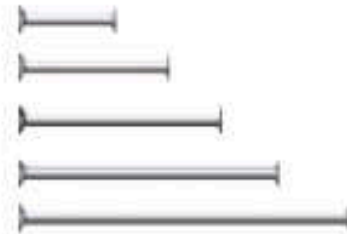
ITEM CODE	DESCRIPTION	SIZE	WEIGHT(KG)
ADTO01WKL0073	Cuplock Standard	Q235/355,48.3x3.2mm 0.5m	3.32
ADTO01WKL0053		Q235/355,48.3x3.2mm 1m	5.86
ADTO01WKL0020		Q235/355,48.3x3.2mm 1.5m	7.73
ADTO01WKL0029		Q235/355,48.3x3.2mm 2m	10.3
ADTO01WKL0040		Q235/355,48.3x3.2mm 2.5m	12.88
ADTO01WKL0043		Q235/355,48.3x3.2mm 3m	15.45
ADTO01WKML0006	Spigot Connector	Q235,38x3.2x250mm	0.80



CUPLOCK LEDGER,HDG

Cuplock ledgers are located in the bottom cups of standards and secured by locking the top cup.

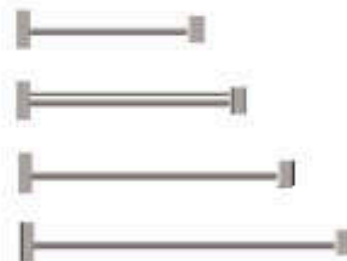
ITEM CODE	DESCRIPTION	SIZE	WEIGHT(KG)
ADTO01WKHG0012	Cuplock Ledger	Q235,48.3x3.2mm 0.9m	3.64
ADTO01WKHG0119		Q235,48.3x3.2mm 1.3m	5.08
ADTO01WKHG0033		Q235,48.3x3.2mm 1.8m	6.93
ADTO01WKHG0042		Q235,48.3x3.2mm 2.5m	9.52



INTERMEDIATE TRANSOM,HDG

Intermediate transoms are designed to provide intermediate support for standard scaffold boards by spanning between inner and outer ledgers. One end is fitted with an integral locking device to prevent movement along the ledgers during use.

ITEM CODE	DESCRIPTION	SIZE	WEIGHT(KG)
ADTO01WKCL0008	Intermediate Transom	Q235,48.3x3.2mm 1.2m	5.92
ADTO01WKCL0024		Q235,48.3x3.2mm 1.3m	6.29
ADTO01WKCL0023		Q235,48.3x3.2mm 1.8m	8.14
ADTO01WKCL0020		Q235,48.3x3.2mm 2.5m	10.71



DIAGONAL BRACE,HDG

The diagonal brace forms the face bracing of the scaffold. Braces are available in various lengths to suit different bay sizes and lift heights. Each end features a swivel blade that enables easy positioning within the node point.

ITEM CODE	DESCRIPTION	SIZE	WEIGHT(KG)
ADTO01WKMG0004	Diagonal Brace	Q235,48.3x3.0mm H1.5xL1.8m	8.88
ADTO01WKMG0007		Q235,48.3x3.0mm H1.5xL2.5m	11.23
ADTO01WKMG0005		Q235,48.3x3.0mm H2xL1.8m	10.44
ADTO01WKMG0006		Q235,48.3x3.0mm H2xL2.5m	12.23



HOP-UP BRACKETS,HDG

The demand for wider working platforms has increased with changes in construction practices. The Inside Board Bracket provides options for 2 or 3 board inside platform. It has a cup connection at the end where an inside ledger can be accommodated. A handrail post can be located at the end for fall protection to the inside face if required.

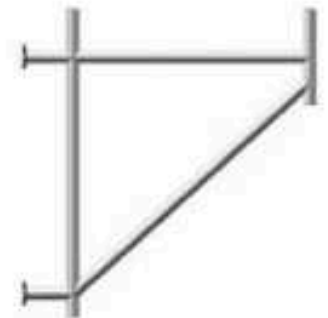
ITEM CODE	DESCRIPTION	SIZE	WEIGHT(KG)
ADTO01WKPJ0020	Hop-up Brackets	Q235,48.3x3.2 570mm 2 boards	5.63
ADTO01WKPJ0033		Q235,48.3x3.2 795mm 3 boards	6.99



CANTILEVER BEAM FRAME,HDG

This component is typically used when support on the base slab is not possible, especially when drop beams around the perimeter of the buildings needs to be supported and the earth around the building is not levelled / compacted. In most cases it is used from the first floor onwards to either support the drop beams or as access for the working personnel.

ITEM CODE	DESCRIPTION	SIZE	WEIGHT(KG)
ADTO01WKPJ0029	Cantilever Beam Frame	Q235,48.3x3.2 570mm 2 boards	13.35
ADTO01WKPJ0028		Q235,48.3x3.2 795mm 3 boards	16.19



BASE JACK

Base jack are designed for levelling the scaffold where the ground or foundation levels vary. These are adjusted by winding the collar up and down the threaded stem.

ITEM CODE	DESCRIPTION	SIZE	WEIGHT(KG)
ADTO01SGPB0211	Base Jack	M38 (150x150x5.0mm) 0.65m	3.56



STEEL PLANK

Pre-galvanised steel battens are available for use with the cuplock system. 38mm thick and 225mm wide, with a slip resistant perforated surface.

ITEM CODE	DESCRIPTION	SIZE	WEIGHT(KG)
ADTO01TBAB0616	Steel Plank	225x38*1.5x1000mm	4.5
ADTO01TBAB0260		225x38*1.5x2000mm	8.7
ADTO01TBAB0620		225x38*1.5x3000mm	13.0
ADTO01TBAB0621		225x38*1.5x4000mm	17.2



SINGLE SIDE BOARD SUPPORT HDG

This item is located at the standards to provide support for a single inside board.

ITEM CODE	DESCRIPTION	SIZE	WEIGHT(KG)
ADTO01WKPJ0034	Single Side Board Support	Q235,48.3x3.2x300	1.33



SCAFFOLDING COUPLERS



British Pressed Double Coupler
48.3mm/0.83-0.87kg
ADT001KJEN0004



British Pressed Swivel Coupler
48.3mm/1.02-1.05kg
ADT001KJEN0003



British Sleeve Coupler
48.3mm/1.0kg
ADT001KJEN0002



Pressed Putlog Coupler
48.3mm/0.52kg
ADT001KJEN0007



110° Pressed Swivel Coupler
48.6mm/0.58-0.65kg
ADT001KJUN0003



110° Pressed Double Coupler
48.6mm/0.58-0.65kg
ADT001KJUN0005



90° Pressed Swivel Coupler
48.6mm/0.59-0.65kg
ADT001KJUN0002



90° Pressed Double Coupler
48.6mm/0.59-0.65kg
ADT001KJUN0007



115 Swivel Girder Clamp
48.6mm/0.98kg
ADT001KJUN0004



Pressed Limpet Coupler
0.32kg
ADT001KJEN0006



Ladder Clamp
48.3mm/0.5kg
ADT001KJEN0001



British Inner Joint Pin
48.3mm/0.72kg
ADT001KJEN0008



British Drop Forged Double Coupler
48.3mm/0.97-1.05kg
ADT001KJEN0012



British Drop Forged Swivel Coupler
48.3mm/1.12-1.25kg
ADT001KJEN0012



Drop Forged Half Coupler
48.3mm/0.9kg
ADT001KJAM0013



Drop Forged Joint Pin
48.3mm/1.1kg
ADT001KJEN0017



Girder Coupler
48.3mm/1.5kg
ADT001KJEN0010



Swivel Girder Coupler
48.3mm/1.45kg
ADT001KJEN0015



Ladder Clamp
48.3mm/0.68kg
ADT001KJEN0014



Drop Forged Putlog Coupler
48.3mm/0.63kg
ADT001KJEN0015



Board Retaining Coupler
48.3mm/0.61-0.63kg
ADT001KJEN0009



US Drop Forged Double Coupler
1.5kg
ADT001KJAM0002



US Drop Forged Swivel Coupler
1.8kg
ADT001KJAM0001



German Drop Forged Double Coupler
1.07kg
ADT001KJGE0002



German Drop Forged Swivel Coupler
1.27kg
ADT001KJGE0001



Casting Fixed Coupler
48.3mm/1.0kg
ADT001KJCN0001



Casting Swivel Coupler
48.3mm/1.0kg
ADT001KJCN0002



Casting Joint Coupler
48.3mm/1.0kg
ADT001KJCN0003

TUBULAR SYSTEM

The Tubular System (also known as tube-and-coupler scaffolding) is a traditional and time-tested scaffolding solution renowned for its outstanding adaptability.

Built around core components that can be freely combined and configured, the system offers excellent flexibility and structural strength to meet a wide range of project requirements. Its modular design allows for highly customizable configurations, enabling the scaffold structure to adapt easily to complex shapes, curves, and varying elevations.

The system is suitable for applications ranging from simple access platforms to complex architectural and industrial structures.

HDG SCAFFOLD TUBE

Conforms to EN39/BS1139/EN10219 Standard available in various lengths up to 6.4m

ITEM CODE	DESCRIPTION	SIZE	WEIGHT(KG)
ADTO001GCJG-4	Hdg Scaffold Tube	48.3x4.0x6000mm	26.2
ADTO001GCJG-3.2		48.3x3.2x6000mm	21.35



HDG SCAFFOLD TUBE

Conforms to JIS G3444:2004 standard Grade STK400 / STK500, available in various lengths up to 6m.

ITEM CODE	DESCRIPTION	SIZE	WEIGHT(KG)
ADTO02GCJG-2.2	Hdg Scaffold Tube	48.6x2.2x6000mm	15.1
ADTO02GCJG-2.4		48.6x2.4x6000mm	16.4



PREGALVANIZED STEEL PIPE

ITEM CODE	DESCRIPTION	SIZE	WEIGHT(KG)
ADTO02GCJG0069	Pregalvanized	48.3x1.8x6000mm	12.38
ADTO02GCJG0070	Steel Pipes Q195	48.3x2.0x6000mm	13.7



PLASTIC SCAFFOLD BASE PAD

Designed for scaffold support, the plastic base pad not only ensures maximum stability and protects the ground below but also features long-lasting performance and recyclability.

ITEM CODE	DESCRIPTION	SIZE	WEIGHT(KG)
ADTO001PSP	Plastic Scaffold Base Pad	Outer Size 300x500x50mm Internal base plate 165x165mm	1.4



SCAFFOLD TAG

ITEM CODE	DESCRIPTION	SIZE	WEIGHT(KG)
ADTO001ST-01	Scaffold Tag	Standard	0.09



STEEL BOARD

Our steel planks are dedicated load-bearing work platform components for scaffolding systems, made of high-strength steel via precision stamping and welding, with surface anti-slip patterns and drainage holes. They offer high load-bearing capacity, anti-slip/anti-rust performance and easy assembly/disassembly, ideal for scaffolding work layers in construction, bridge and municipal projects. Ultimately, they provide construction workers with a safe and stable standing and operating platform to support efficient on-site operations.

ITEM CODE	DESCRIPTION	SIZE	WEIGHT(KG)
ADTO001TBAB0024	Pregalvanized Steel Plank	210x45x1.2x1000mm	3.6
ADTO001TBAB0026		210x45x1.2x2000mm	7
ADTO001TBAB0028		210x45x1.2x3000mm	10.4
ADTO001TBAB0029		210x45x1.2x4000mm	13.8
ADTO001TBAB0085		240x45x1.2x1000mm	4
ADTO001TBAB0087		240x45x1.2x2000mm	7.7
ADTO001TBAB0089		240x45x1.2x3000mm	11.4
ADTO001TBAB0090		240x45x1.2x4000mm	15.1
ADTO001TBAB0148		250x50x1.2x1000mm	4.2
ADTO001TBAB0150		250x50x1.2x2000mm	8.1
ADTO001TBAB0152		250x50x1.2x3000mm	12
ADTO001TBAB0153		250x50x1.2x4000mm	15.9
ADTO001TBAB0258		225x38x1.5x1000mm	4.5
ADTO001TBAB0259		225x38x1.5x2000mm	8.7
ADTO001TBAB0260		225x38x1.5x3000mm	13
ADTO001TBAB0261		225x38x1.5x4000mm	17.2



STEEL BEAM

Compatible with traditional tube and fittings, the steel ladder beam serves as a key component for constructing clear spans between adjacent scaffolding structures—effectively supporting lateral loads and ensuring unobstructed working areas in scaffolding systems.

ITEM CODE	DESCRIPTION	SIZE	LENGTH
ADTO01HLLA-La	Ladder Beam	300/305mm	3M/4M/6M/8M
ADTO01HLLA-Un	Unit Beam	400/610mm	0.9M-6M



STEEL LADDER

The steel ladder design delivers enhanced stability and support, making it ideal for scaffolding applications.

ITEM CODE	DESCRIPTION	SIZE	LENGTH
ADTO01MTGT	Steel Ladder	50x30mm, with slip resistant rungs & rubber feet	3M-6M



ALUMINUM LADDER

As a safety-focused auxiliary component for scaffolding systems, this aluminum ladder accurately connects vertical/horizontal access routes—between “different scaffolding working levels” and “from working levels to the ground.” It fastens firmly to scaffolding tubes via fixed buckles, forming a safe passage with evenly spaced rungs and anti-slip treads. This fully eliminates the high-risk, non-compliant practice of workers climbing scaffolding poles directly, fundamentally reducing the risk of high-altitude falls.

ITEM CODE	DESCRIPTION	SIZE(MM)	LENGTH
ADTO01XXTG	Aluminum Ladder	390/395	3M-6M



BASE PLATE

The base plate is a core component that connects the vertical standards of a scaffold to the ground (or foundation structure). Its core functions revolve around two key dimensions: stable load transmission and foundation protection. It is a critical part ensuring the overall safety and stability of the scaffold.

ITEM CODE	DESCRIPTION	SIZE(MM)	LENGTH
ADTO01SGDZ0015	Base Plate	36x1.5/42x2.0mm; Base Plate: 120x120x4mm/ 150x150x5/6mm	100-200mm



LADDER ACCESS TRAP DOOR

Ladder access trap door is designed to provide a usable entry/exit for ladder access between levels, and also prevent falls from exposed openings when closed.

ITEM CODE	DESCRIPTION	SIZE(MM)	WEIGHT(KG)
ADTO-LATD-001	Ladder Access Trap Door	H580×W710	9.00



SAFETY GATE

It is used in the ladder system or other system to provide people a safe space, featuring easy installation and a mesh for full protection.

ITEM CODE	DESCRIPTION	SIZE(MM)	WEIGHT(KG)
ADTO-LAGT-001	Safety Gate	H960×W520	10.00



ALUMINIUM MOBILE SCAFFOLD TOWERS

EFFECTIVE

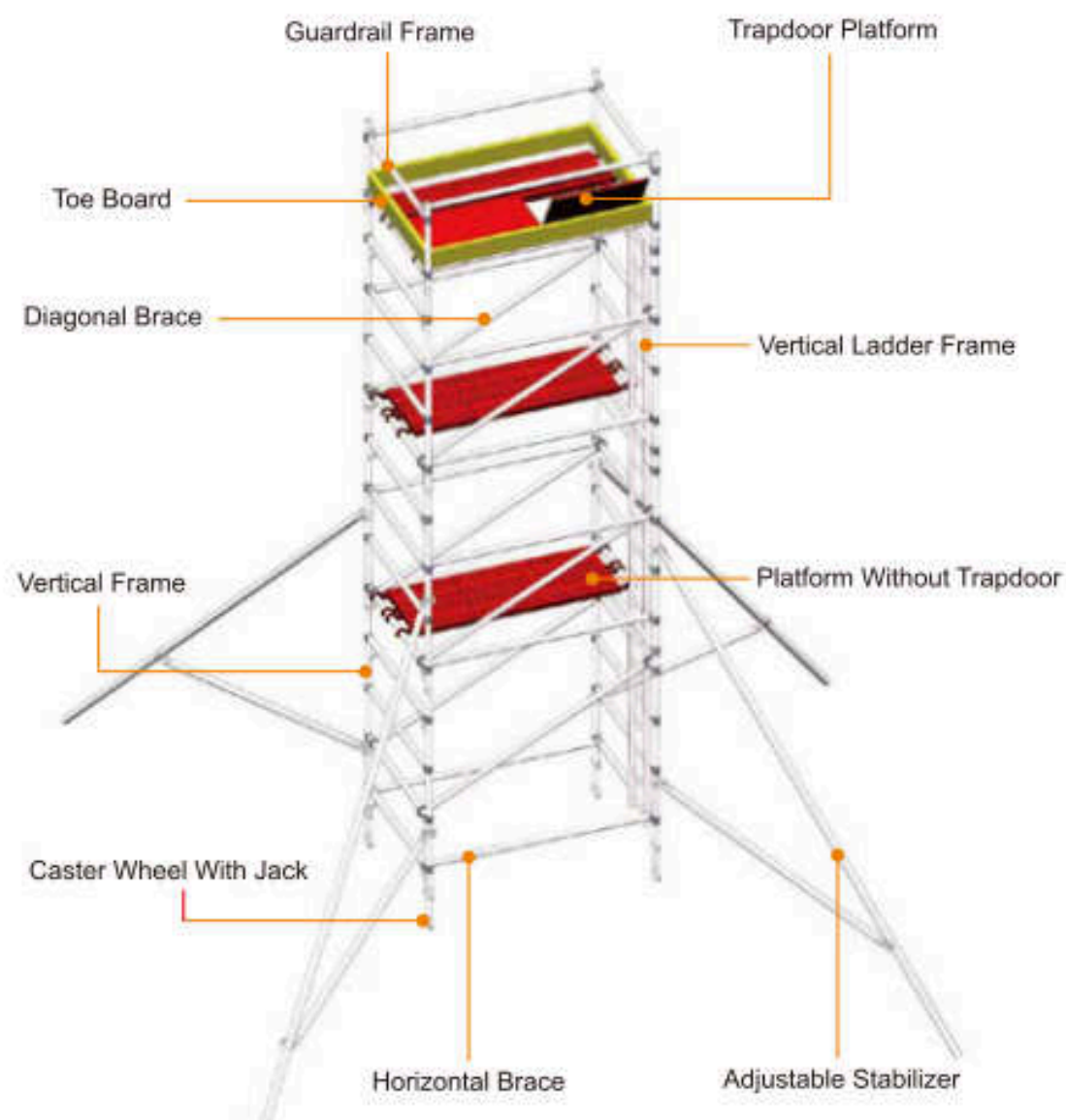
VERSATILE

EASY ERECTION



Aluminium Mobile Scaffold Towers provide a safe, lightweight, and efficient access solution for construction and maintenance applications.

With durable aluminium construction, excellent mobility, reliable safety features, and versatile functionality, the system is ideal for accessing elevated working areas across a wide range of projects.



FEATURES

- Manufactured and tested in compliance with BS EN 1004:2004
- Fabricated from high-grade aluminium alloy, lightweight yet robust
- Easy to assemble and dismantle
- Highly resistant to corrosion, ensuring the scaffold maintains its structural integrity even in harsh environments
- Slip-resistant platforms with closing trapdoors and wind locks ensure worker safety
- Various tower widths and heights available to suit different applications
- Safe working load: 272 kg per platform level, up to a maximum tower load of 900 kg (including self-weight).

ALUMINIUM SCAFFOLDING TOWER SERIES

ITEM CODE	PLATFORM HEIGHT(M)	WORKING HEIGHT(M)
ADICL-SER-2.25	2.25	4
ADICL-SER-3.45	3.45	5.2
ADICL-SER-4.25	4.25	6
ADICL-SER-5.45	5.45	7.2
ADICL-SER-6.25	6.25	8
ADICL-SER-7.5	7.5	9.3
ADICL-SER-8.3	8.3	10.1
ADICL-SER-9.5	9.5	11.3
ADICL-SER-10.3	10.3	12
ADICL-SER-11.5	11.5	13.3
ADICL-SER-12.3	12.3	14



ITEM CODE	PLATFORM HEIGHT(M)	WORKING HEIGHT(M)
ADSL-SER-2.25	2.25	4
ADSL-SER-3.45	3.45	5.2
ADSL-SER-4.25	4.25	6
ADSL-SER-5.45	5.45	7.2
ADSL-SER-6.25	6.25	8
ADSL-SER-7.5	7.5	9.3
ADSL-SER-8.3	8.3	10.1
ADSL-SER-9.5	9.5	11.3
ADSL-SER-10.3	10.3	12
ADSL-SER-11.5	11.5	13.3
ADSL-SER-12.3	12.3	14



Safe working load of 272kg per platform level up to a maximum of 900kg per tower (including self weight)

COMPONENTS

VERTICAL FRAME

ITEM CODE	SIZE(MM)	NO. OF RUNGS	W.T (KG)
ADVF-AL13501000	1350x1000	3	7
ADVF-AL13501600	1350x1600	4	8.7
ADVF-AL13502000	1350x2000	5	10.4

VERTICAL LADDER FRAME

ITEM CODE	SIZE(MM)	NO. OF RUNGS	W.T (KG)
ADVLF-AL13501000	1350x1000	3	8.4
ADVLF-AL13501600	1350x1600	4	10.6
ADVLF-AL13502000	1350x2000	5	13

GUARDRAIL FRAME

ITEM CODE	SIZE(MM)	NO. OF RUNGS	W.T (KG)
ADGR-AL13501000	1350x1000	3	6

SIDE PROTECTION GUARDRAIL

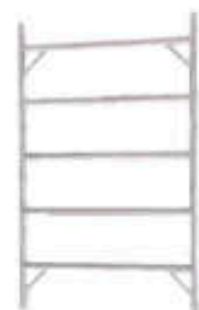
ITEM CODE	LENGTH(MM)	W.T (KG)
ADSPG-AL3002000	300x2000	5
ADSPG-AL3002500	300x2500	5.8
ADSPG-AL3003000	300x3000	6.7

TOE BOARD

ITEM CODE	LENGTH(MM)	W.T (KG)
ADTB-AL13502000	1350x2000	10
ADTB-AL13502500	1350x2500	12
ADTB-AL13503000	1350x3000	14

ALU LADDER WITH SUPPORT

ITEM CODE	SIZE(MM)	W.T (KG)
ADLWS-AL4102070	410x2070	8



HORIZONTAL BRACE

ITEM CODE	LENGTH(MM)	W.T (KG)
ADHB-AL2000	2000	2.3
ADHB-AL2500	2500	2.8
ADHB-AL3000	3000	3.2



ADJUSTABLE STABILIZER

ITEM CODE	LENGTH(MM)	W.T (KG)
ADSB-AL3000	3000	6
ADSB-AL6000	6000	14.3



PLATFORM WITHOUT TRAPDOOR

ITEM CODE	LENGTH(MM)	W.T (KG)
ADPOHA-AL2000	2000x600	18
ADPOHA-AL2500	2500x600	21
ADPOHA-AL3000	3000x600	24



TRAPDOOR PLATFORM

ITEM CODE	LENGTH(MM)	W.T (KG)
ADPWHA-AL2000	2000x600	18.5
ADPWHA-AL2500	2500x600	21.5
ADPWHA-AL3000	3000x600	24.5



LYNCH PIN

ITEM CODE	SIZE(MM)	W.T (KG)
ADLP-AL1070	10x70	0.12



CASTOR WHEEL WITH JACK

ITEM CODE	LENGTH(MM)	W.T (KG)
ADCW-AL6	6	6
ADCW-AL8	8	7



MULTI-FUNCTIONAL MOBILE SCAFFOLD TOWER



This multi-functional mobile scaffold tower integrates four core advantages: compact design, easy storage, quick assembly, and high load-bearing capacity.

With a safe working load of up to 454 kg, it is suitable for light- to medium-duty elevated work applications. The platform height can be flexibly adjusted from 69 cm to 185 cm, with locking positions available at 5 cm intervals, allowing precise height adjustment for different working environments.

Optional accessories such as safety guardrails and caster support sets are available to further enhance operational safety and mobility.

Its narrow-profile design allows the tower to pass easily through standard doorways, facilitating movement between work areas. In addition, no tools are required for assembly, and a single person can complete setup in just 2 minutes, significantly reducing on-site installation time and labor costs.



MULTI-FUNCTIONAL MOBILE SCAFFOLD TOWER

ITEM CODE	COMPONENTS	SIZE	QTY/PC
Multi-functional Scaffold ADTO01MTBS0019	Ladder Frame	W29"xH25"	2
	Platform Truss	L60"	2
	Plywood Platform	L60"	1
	Castor	5"	4
	Safety Snap Pin	ST	8

FEATURES

• Packing Dimensions (191x77x13.5cm):

Space-efficient, streamlined packaging for easy storage in workshops, vans, or tight areas—simplifying transport and minimizing unused space.

• Optimized Weight (58 kg):

Balances portability and stability. Maneuverable by 2 people during transport, yet rigid enough for stable operation under full load.

• High Load Capacity (454 kg):

Safely supports workers plus tools/materials, ideal for tasks like installation, maintenance, or renovation.

• Massive Locking Wheels:

Secure locking mechanism prevents unintended movement during use, boosting workplace safety.

• Individual End Height Adjustment:

Independent leveling for each end ensures a horizontal platform, eliminating wobbles and enhancing stability—critical for safe elevated work.

MOBILE ELECTRIC SCAFFOLDING LIFT PLATFORM



A revolutionary advancement in elevated work solutions, this system is designed for modern construction, maintenance, and industrial applications.

Equipped with motorized platforms, it enables effortless height adjustment at the touch of a button, reducing manual labor and minimizing setup time. Durable, user-friendly, and compliant with industry standards, the system enhances operator safety, comfort, and productivity while reducing downtime.

Upgrade your workflow with a smarter, safer, and more efficient alternative to traditional scaffolding systems.

CHAIN ELECTRIC SCAFFOLDING

ITEM CODE	RISE HEIGHT	PLATFORM SIZE	SPECIFICATION	SELF WEIGHT	WEIGHT CAPACITY	MOTOR POWER
AD-CES01-2	2m	1.5mx0.8m	6mm (Chain)	210KG	220KG	1.85KW 50HZ 220V
AD-CES01-3	3m			240KG	250KG	
AD-CES01-4	4m			270KG	280KG	
AD-CES01-5	5m			300KG	310KG	
AD-CES01-6	6m			330KG	340KG	
AD-CES01-7	7m			360KG	370KG	
AD-CES01-8	8m			390KG	400KG	
AD-CES01-9	9m			420KG	430KG	
AD-CES01-10	10m			450KG	460KG	



GEAR ELECTRIC SCAFFOLDING

ITEM CODE	RISE HEIGHT	PLATFORM SIZE	SPECIFICATION	SELF WEIGHT	WEIGHT CAPACITY	MOTOR POWER
AD-GES02-1	1m	1.5mx0.8m	M5 (Rack)	200KG	500KG	1.85KW 50HZ 220V
AD-GES02-2	2m			240KG		
AD-GES02-4	4m			320KG		
AD-GES02-6	6m			400KG		
AD-GES02-8	8m			480KG		
AD-GES02-10	10m			560KG		



STEEL WIRE ROPE ELECTRIC SCAFFOLDING

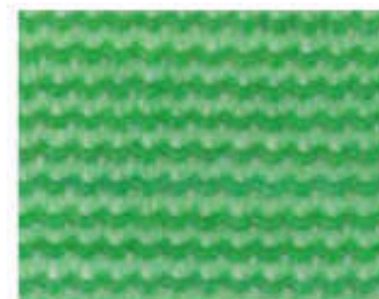
ITEM CODE	RISE HEIGHT	PLATFORM SIZE	SPECIFICATION	SELF WEIGHT	WEIGHT CAPACITY	MOTOR POWER
AD-SWRES03-2	2m	1.5mx0.8m	5mm (Steel Wire Rope)	190KG	500KG	1.85KW 50HZ 220V
AD-SWRES03-3	3m			220KG		
AD-SWRES03-4	4m			250KG		
AD-SWRES03-5	5m			280KG		
AD-SWRES03-6	6m			310KG		
AD-SWRES03-7	7m			340KG		
AD-SWRES03-8	8m			370KG		
AD-SWRES03-9	9m			400KG		
AD-SWRES03-10	10m			430KG		



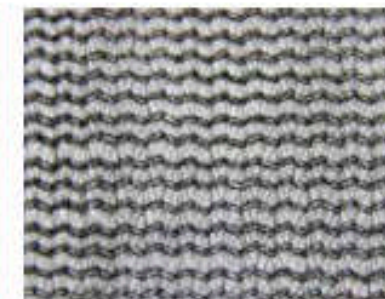
SAFETY NETTING

CONSTRUCTION SAFETY NETTING

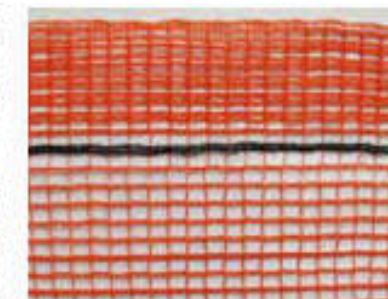
ADTO-NC01



ADTO-NC02



ADTO-NC03



Mesh

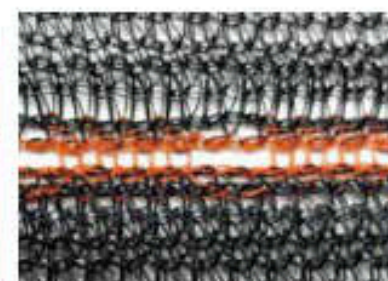
ADTO-NC04



ADTO-NC05



ADTO-NC06



With Woven Band and Eyelet

With Rope and Eyelet

With Knitted Eyelet

Material	PE (with UV or fire-resistant)
Weight	80g/m ² -230g/m ²
Width	1.8m, 2m, 3m, 4m or as request.
Length	5.1m, 6m, 20m, 20.4m, 30m, 50m, 100m or as request.
Color	Green, Blue, Dark Green, Gray, Yellow, Black, Orange or as request.
Features	Mesh with woven band, rope, metal eyelet or knitted eyelet.

As a dedicated manufacturer, we provide a complete range of construction safety netting solutions, including sun shade netting, fire-resistant netting, and soundproof netting. All products are engineered to meet international safety standards, offering reliable fall protection, sun control, fire resistance, and noise reduction for construction sites.



PVC FIRE-PROOF NETTING

ADTO-NF01



ADTO-NF02



Material	Polyester & PVC coating & aluminium or copper eyelets
Density	250D*250D/ 500D*500D/ 1000D*1000D
Eyelet Distance	30cm, 45cm, 60cm or as request.
Weight	130gsm/sqm, 270gsm/sqm, 370gsm/sqm or as request.
Size	1.8m*5.1m, 1.8m*6m, 1.78m*5.1m, 1.78m*6m or as request.
Color	Gray, Blue, White or as request.

Production process of fire-proof netting



KNOTTED OR KNOTLESS NETTING

Material	Polyester, Nylon
Netting type	Knotted or Knotless
Thickness	2.0mm/2.5mm/2.5mm/3.0mm/3.0mm/4.0mm/4.5mm/5.0mm or as request
Mesh size	10x10mm--100x100mm
Color	White, Yellow, Black, Green or as per request



SUN SHADE NETTING

ADTO-NZ01



ADTO-NZ02



ADTO-NZ03



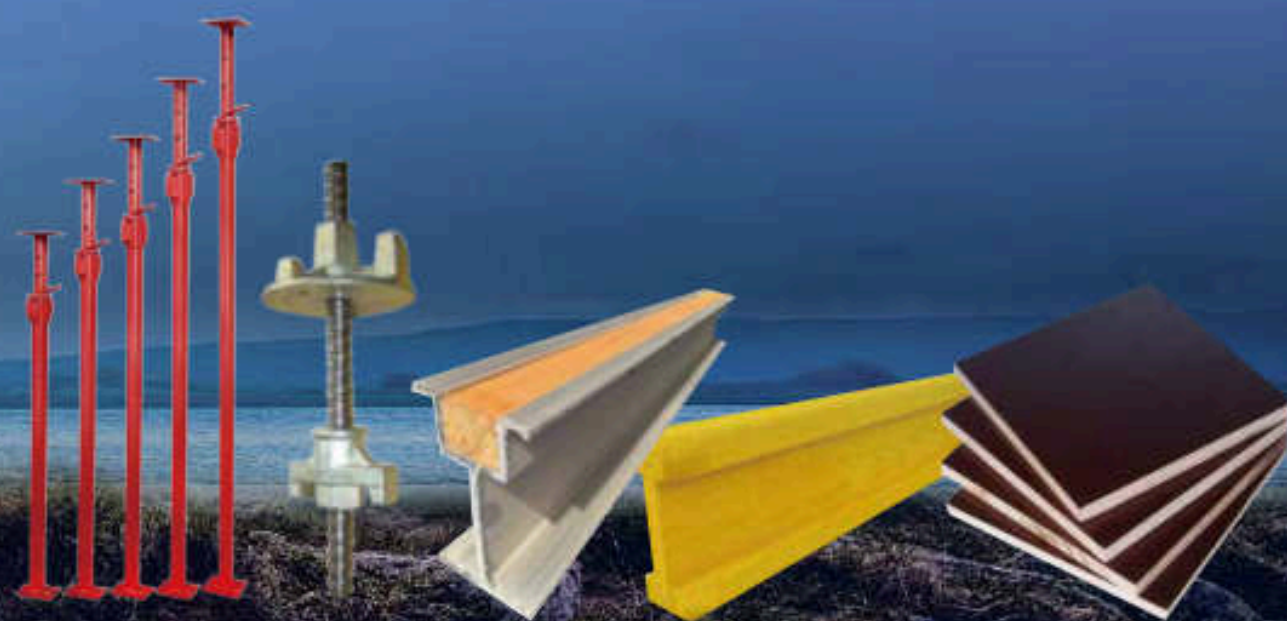
ADTO-NZ04



Material	PE (with UV)
Weight	35g/m ² -300g/m ²
Width	1m-6m
Length	50m, 100m or as request.
Color	Green, Black, Dark Green, Gray, Blue, Yellow or as request.
Shade Rate	35%-99%
Feature	Mesh only or Mesh with Knitted Eyelet



FORMWORK PRODUCTS



Our formwork products include steel props, H20 beams, film-faced plywood, PVC formwork boards, and a full range of accessories.

Most accessories are cross-compatible with multiple major systems, offering excellent on-site flexibility. All components meet strict international standards, ensuring precise fit, reliable performance, and long durability. For residential, commercial, or industrial projects, our formwork solutions help you build faster, safer, and more efficiently.

ADJUSTABLE STEEL PROP ADTO001ZCGC-SP

Steel props are a core supporting component in construction, tunnel and other engineering projects, mainly consisting of height-adjustable inner tubes, outer tubes and nut assemblies for fastening. During use, specific height support can be achieved by adjusting the relative position of the inner and outer tubes and fixing them with pins.

HEIGHT ADJUSTED RANGE	INNER TUBE	OUTER TUBE
2m-3.6m	48x1.8mm	60x1.8mm
2.2m-3.9m	48x1.8mm	60x1.8mm
3m-5m	48x3.0mm	60x3.0mm



PUSH-PULL PROP ADTO001ZCGC-PP

Our company's Push Pull Prop, with its "push-pull" bidirectional adjustment design, can quickly adapt to different installation scenarios and efficiently resist horizontal loads. It ensures structural stability throughout the entire process from the construction phase to the long-term use of the structure, eliminating risks such as displacement and cracking.

HEIGHT ADJUSTED RANGE	INNER TUBE	OUTER TUBE
2.2m-4.1m	48x1.8mm	60x1.8mm
2.5m-4.5m	48x1.8mm	60x1.8mm
3m-5m	48x3.0mm	60x3.0mm



PROP ACCESSORIES ADTO001ZCGC-PA



CUPNUT	G PIN	STRAIGHT PIN	ADJUSTABLE COLLAR & BAR	TREADED TUBE	FORK HEAD
69.5x3.5x140mm	12x170mm	12x110mm	For 60mm Outer pipe	60x3.0x195mm	Plate:86x170x5mm Fork leg:30x3x180mm Pipe:32x2.0x140
1.0kg	0.3kg	0.1kg	0.53kg	0.5kg	2.3kg



H2O WOODEN BEAM

ADTO-WB-A10

ADTO H2O Wooden Beam – a premium concrete formwork beam. It delivers exceptional adaptability for diverse formwork and shoring scenarios, including wall, table, slab, and column formwork systems.

Size: Flange 40x80mmxLength; Web: 27x120mmx Length; Height:200mm

Length: 1m, 2m, 2.9m, 3.6m, 3.9m, 5.9m or Customized

Raw Materia: Finnish spruce on both wings;

Mixed poplar and eucalyptus core for the middle web

Glue: Urethane glue/Phenolic glue

Density: 4.8 - 5kg/m

Water Content: 5-12%

Painting: Yellow waterproof painting or as per request.

Packing Info.: 105pcs/Pallet

Usage: Formwok.

Features: High dimensional stability, long service life.



H2O Wooden Beam



Plastic Protective Head



Iron Sheet Protective Head

FILM FACED PLYWOOD FORMWORK

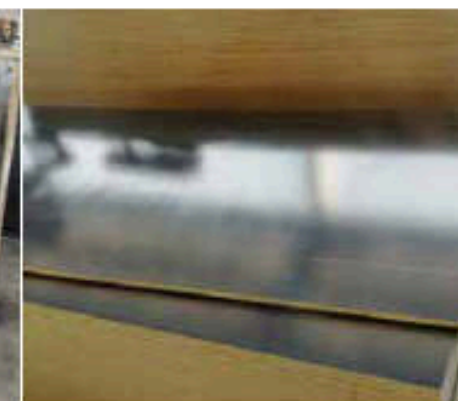
Film faced plywood formwork is coated with a high-strength, wear-resistant film, providing significantly more reuse cycles than conventional plywood formwork. This greatly reduces the cost per use while delivering high turnover efficiency and excellent cost performance.

The product offers outstanding adaptability and can be processed into curved formwork for cylindrical and curved structures. Its nailing, sawing, and drilling performance is superior to that of bamboo and steel formwork systems. In addition, its excellent thermal insulation properties make it highly suitable for winter construction applications, effectively supporting construction progress and concrete curing quality.

The formwork is corrosion-resistant, does not contaminate the concrete surface, and has obtained international certifications including CE, ISO 9001, FSC, and CARB, ensuring excellent durability and engineering reliability.

Manufactured using poplar, eucalyptus, birch, and composite core materials, and combined with MR, Melamine, and WBP adhesives, the product is widely used in civil construction, bridges, tunnels, power plants, airports, and various concrete pouring projects. It is an ideal formwork solution that balances construction efficiency, durability, cost-effectiveness, and project quality.

Size	1220×2440mm, 915×1830mm, 1250×2500mm
Thickness	12mm, 15mm, 18mm Customized
Glue	MR, E1, E2, WBP phenolic/ Melamine
Core	Poplar, Hardwood, Eucalyptus, birch, Combi, Bamboo
Film	Black/ Brown /Red/Green /Blue /Yellow
Moisture content	8%-14%
Application	civil construction, bridges, tunnels, power plants, airport terminals, dams, etc
Loading	8pallets/20ft, 16pallets/40ft, 18pallets/40HQ
Packaging	Bottom is pallets inner covered by plastic film. Outer protected by plywood or carton and then steel tape for strength
Supply ability	6000Cubic meter per Month
Certificate	FSC, CE, CARB, ISO9001:2000, F17, JAS



PLASTIC FORMWORK PANEL /PVC BOARD

ADTO-PVC-A9

Plastic formwork (PVC foam board) is a new energy-saving, eco-friendly product. As an upgrade from traditional plywood, steel, aluminum and full-plastic formworks, it can replace wooden and steel ones to some extent, with energy efficiency, low amortization cost and recyclability.

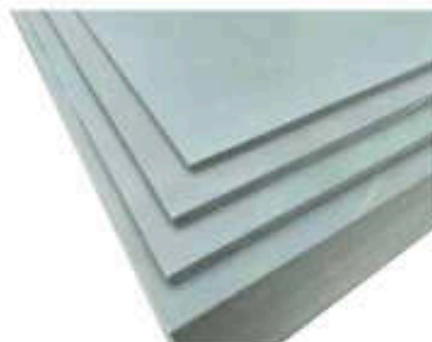
Format size: 2440x1220mm or Customized

Thickness: 10mm-22mm

Material: PP alloy material, moisture resistance, acid resistance, alkali resistance, corrosion resistance

Convenient construction: high strength, light weight, strong impact resistance, can be sawed, planed, nailed

High turnover times: 40-50times



Advantages:

Consistent Dimensions: Matches traditional wooden formwork (1220×2440×12/15/18mm).

Integrated Molding: One-piece extrusion with PVC resin and foaming agent, no surface cracking.

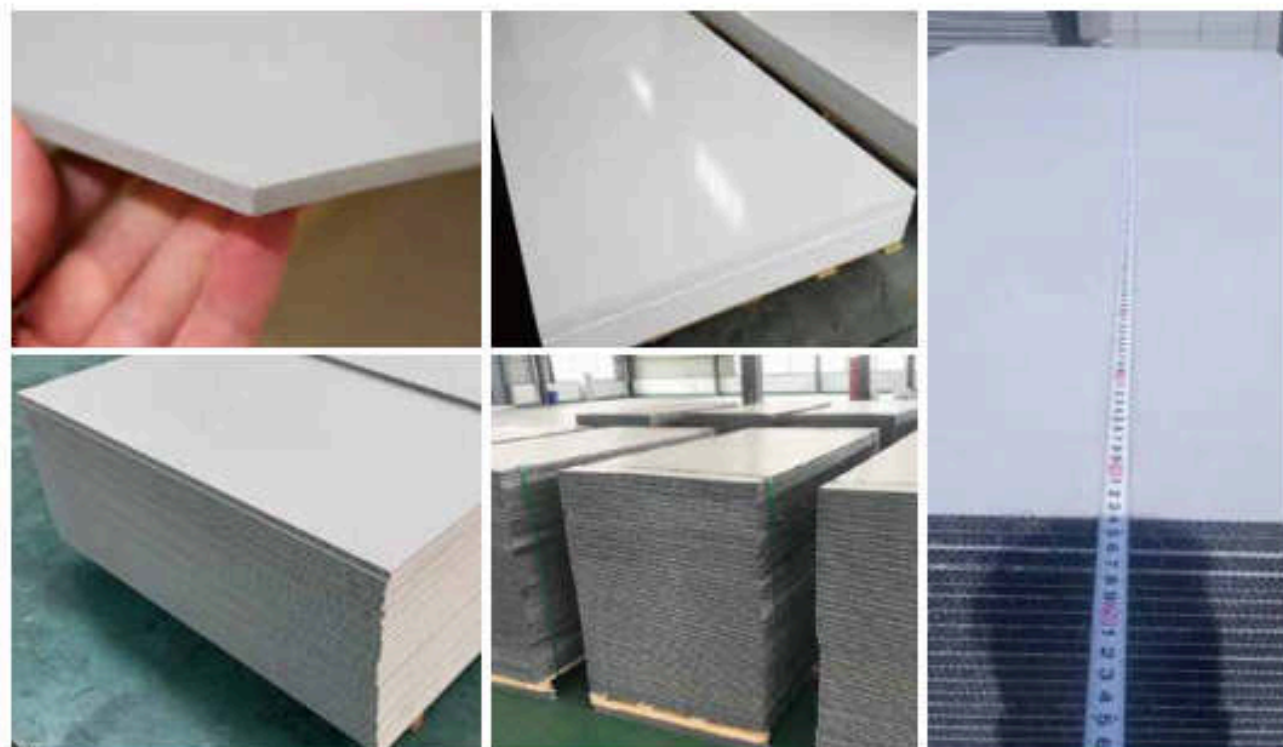
Easy Installation: Similar to wooden formwork (nailable, cuttable, sawable), fits special-shaped structures.

Smooth Surface & Easy Demolding: No release agent needed; poured concrete stays flat and smooth.

Durable & Reusable: Non-absorbent, corrosion-resistant, usable for 40 times normally.

High Recycling Value: 15% of original price; secondary products sell like new ones.

Strong Versatility: Usable in all countries (with wooden formwork) within allowable temperatures.



FORMWORK ACCESSORIES

TIE ROD

ITEM CODE	SPECIFICATION	MATERIAL
ADTO01PJCM0107	12mmx6m	Q235
ADTO01PJCM0108		45#
ADTO01PJCM0109	17mmx6m	Q235
ADTO01PJCM0110		45#



TIE NUT
M17 100MM 0.6kg



TIE NUT
M17 100MM 0.60kg



TIE NUT
M17×10/120×120MM
1.35kg



TIE NUT
M17×10/115×115MM
1.05kg



WING NUT
0.28kg



STEEL CONE
0.615kg



WATER STOP
0.48kg



HEXAGONAL LONG NUT
0.21kg



WASHER PLATE
0.57kg



SPACER
50x50mm
0.2-0.4kg



RIB WASHER
M17 φ20mm 0.16kg
M12 φ14mm 0.1kg



SINGLE ARM WING NUT
M12×4/85×30mm 0.18kg
M17×6.35/90mm 0.25kg



GRAVITY PIN DIA
10×48.3mm



SLAB FORMWORK CLAMP
2.7kg



FORMWORK SPRING CLAMP
Cast 0.38kg



ADJUSTABLE FORMWORK CLAMP
Cast 4.4kg



WALER
50x50/40x60mm



WALER COUPLER
0.61kg

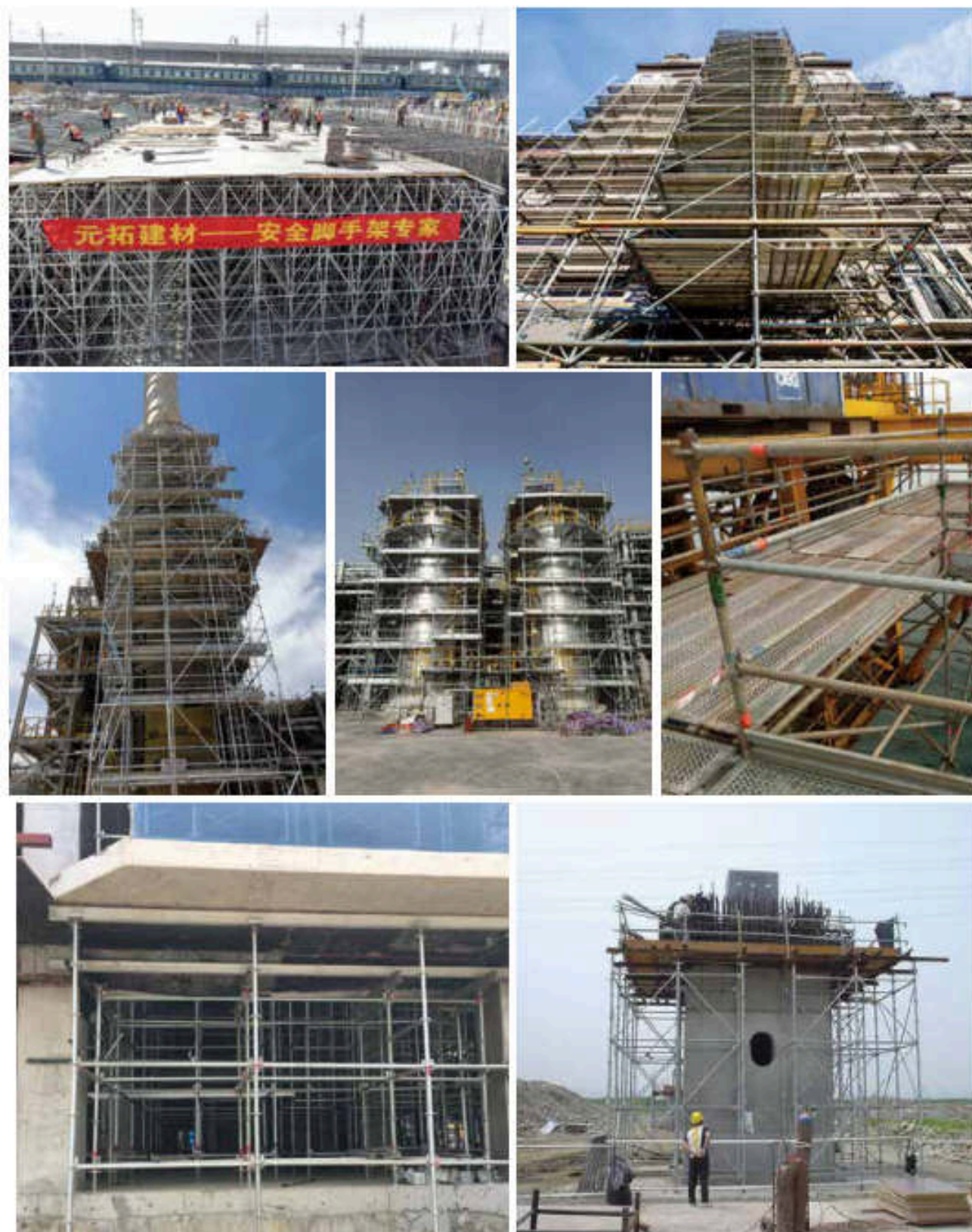


WEDGE AND PIN
0.02-0.22kg



FLAT TIE
0.2-0.8kg

GALARY





PRODUCTION QUALITY CONTROL



Raw Materials Quality Inspection



In-process Inspections



Inspection of the finished Products

CERTIFICATION



Exhibition:

The Big 5 International Building & Construction Show and The Canton Fair.



PRODUCT MANUAL

GLOBAL ONE-STOP PROVIDER OF SCAFFOLDING,
FORMWORK & BUILDING MATERIALS