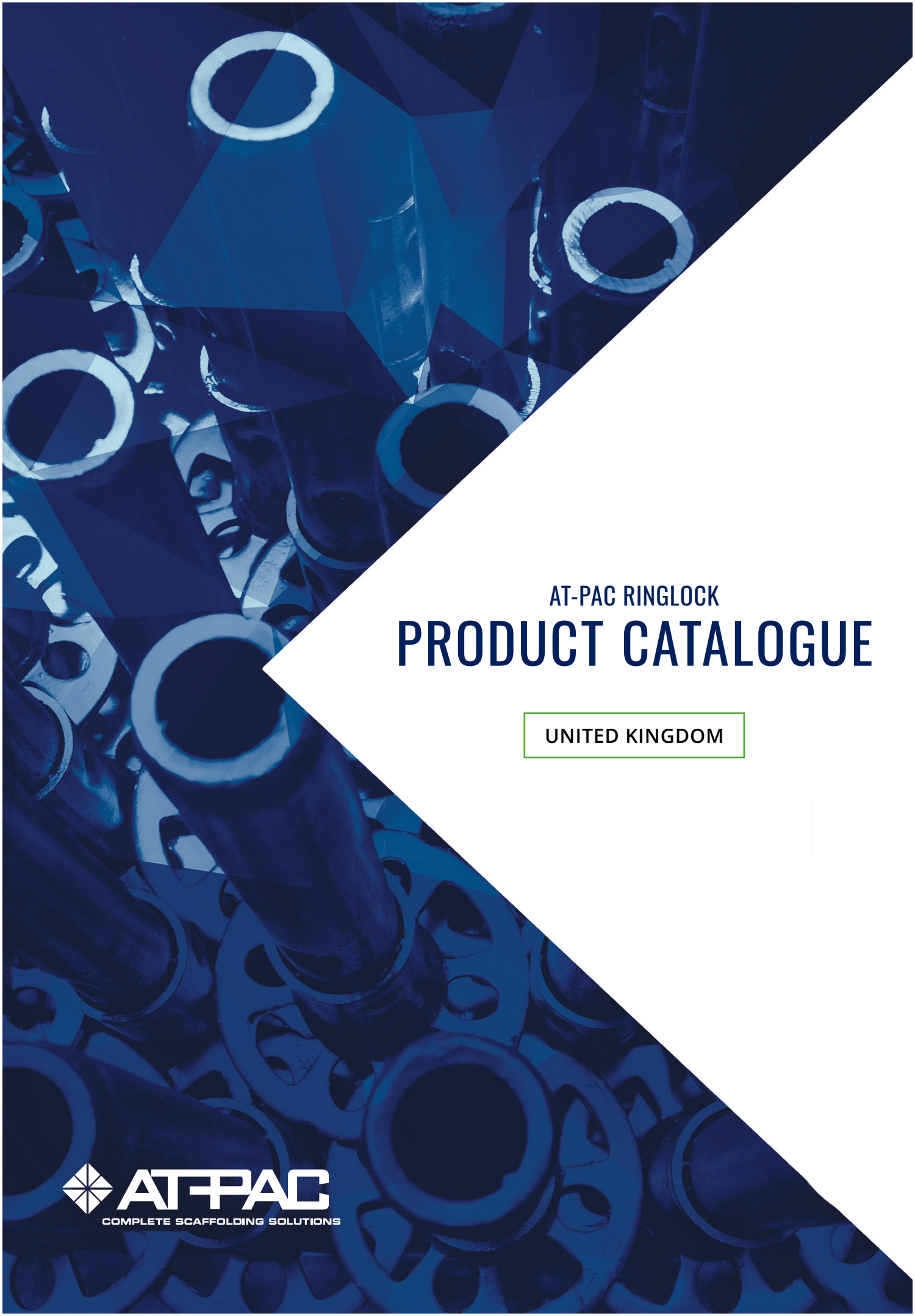

AT-PAC RINGLOCK

PRODUCT CATALOGUE

UNITED KINGDOM

AT-PAC

COMPLETE SCAFFOLDING SOLUTIONS

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INTRODUCTION

INTRODUCTION TO AT-PAC

AT-PAC
COMPLETE SCAFFOLDING SOLUTIONS

Since 1995, AT-PAC has offered Complete Scaffolding Solutions to our strategic clients throughout the world, matching our expertise to the specific needs of our Customers. With our extensive experience in the industrial market, we specialize in Oil, Gas & Chemicals, Power & Energy and Mining & Refining projects. AT-PAC prides itself on building long term and sustainable relationships with both our customers and team members and distributes only the highest quality products by ensuring that our production process adheres to our rigorous quality assurance program and quality control.

AT-PAC has locations throughout the USA, Canada, UK, Australia and South America. We currently supply Asia-Pacific, Africa, the Middle East and beyond. Our unparalleled expertise and professionalism enables us to consistently deliver Complete Scaffolding Solutions. Our experienced customer driven team provides a seamless service from product development, supply chain management, production, quality control, delivery and local engineering support available for fast, effective solutions where required.

AT-PAC Ringlock is a modular system scaffold which enables users to quickly and efficiently erect, use and dismantle temporary work structures. The AT-PAC Ringlock system conforms to European standards BS EN12810 and BS EN12811. AT-PAC Ringlock is compliant with The National Access & Scaffolding Confederation (NASC) Code of Practice for System Scaffold.

AT-PAC LTD. is a Non-Contracting Full Member of the National Access & Scaffolding Confederation

NASC
NATIONAL ACCESS & SCAFFOLDING CONFEDERATION

QMS ISO 9001 Registered

QMS ISO 14001 Registered

QMS OHSAS 18001 Registered

OVERVIEW

RINGLOCK QUALITY FACTORS

All of AT-PAC Euro range of Ringlock products are engineered to meet the highest quality standards based on three simple factors:

MATERIAL AT-PAC only uses the highest quality steel in our products. Our steel is certified and tested, meeting and exceeding industry standards in any climate or locale.

FIT AT-PAC products are engineered with versatility and usability in mind. Our modified product designs increase efficiency and productivity, saving your projects time and money.

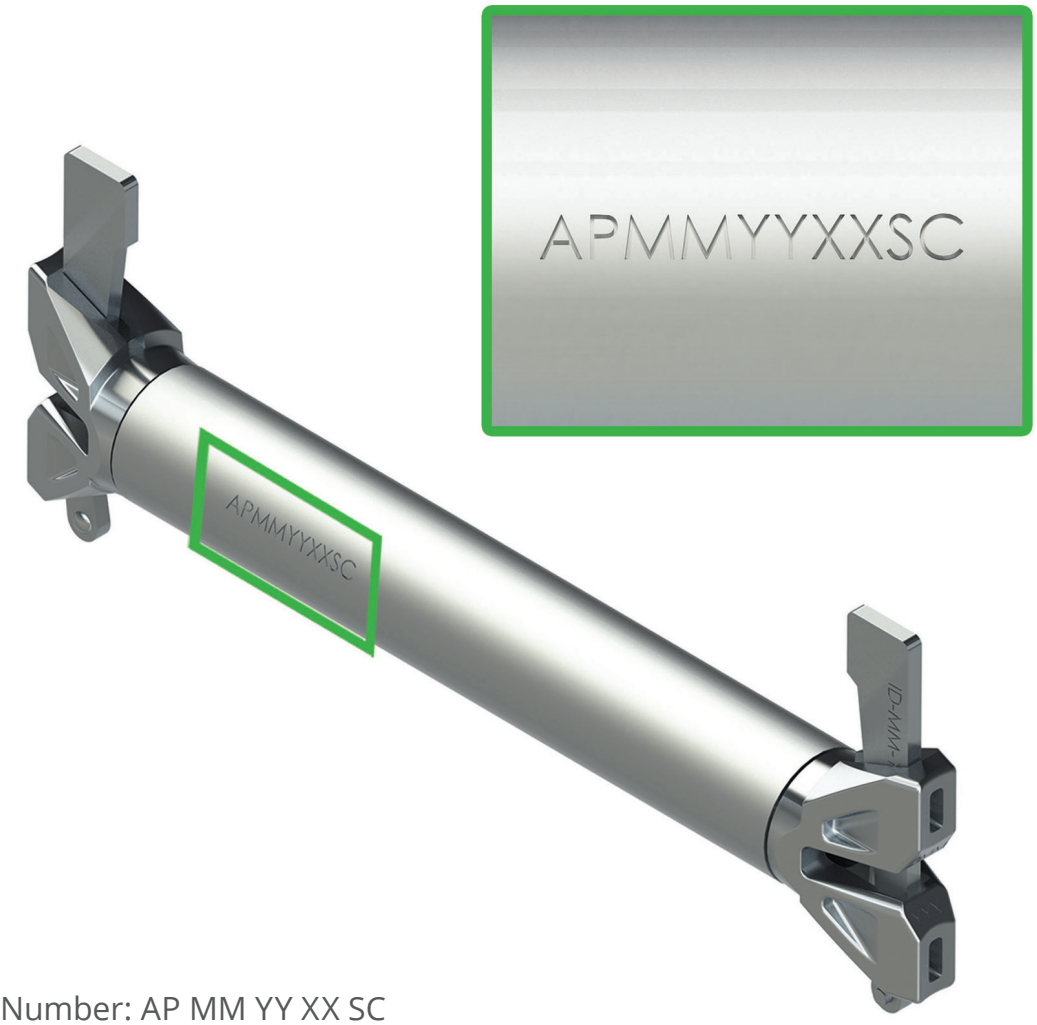
FINISH Where applicable, our products are finished and protected by zinc galvanizing. This method of finishing maximizes the utilization and extends the product life.

For additional information on Ringlock system components please consult your local AT-PAC representative.

OVERVIEW

PRODUCT TRACEABILITY

All AT-PAC components are stamped with traceability marks.



Key

Batch Number: AP MM YY XX SC

AP = AT-PAC

MM= Month of Manufacture

YY = Year of Manufacture

XX = Order Number

SC = Reference Number

OVERVIEW

RINGLOCK NODE CONNECTION

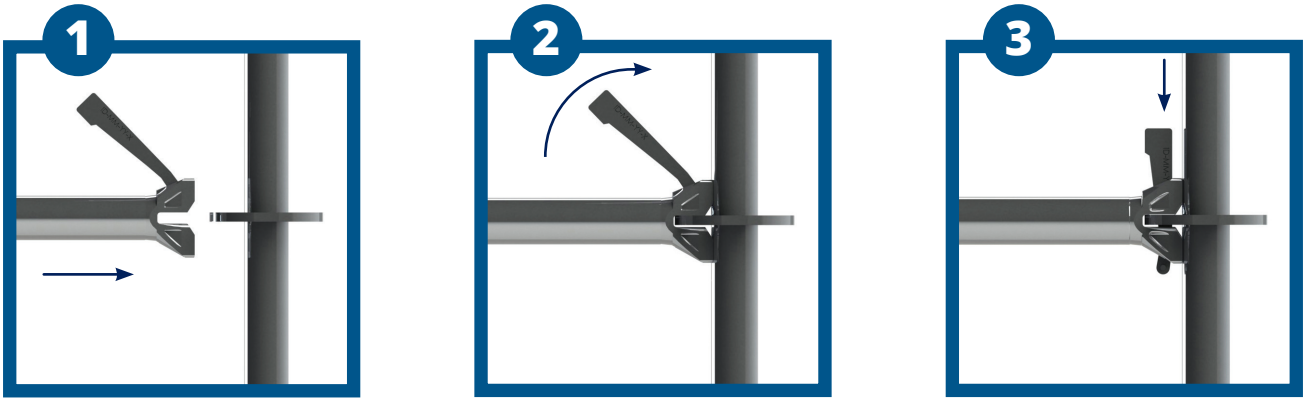
Ringlock node connection consists of Standards with rosettes every 0.5m and horizontal members with a cast end captive wedge (Ledger and Transom). When connected together the Ledger ends and rosettes create a very strong connection. It is this connection that transmits forces throughout the scaffold structure.

The Ringlock rosette has a diameter of 123mm and has been manufactured to have 8 holes, 4 of which are small and 4 of which are large. The smaller holes represent the 90 degree angle at which Ledgers and Transoms are fitted. The larger holes accommodate the Diagonal Bay Braces.

The rosette also allows for the Ledgers to be connected into the larger holes. This gives up to 15 degrees of maneuverability in each direction. This provides the ability to move the Ledgers to clear obstacles.

It is recommended that a 500g hammer is used to secure the Ringlock wedge, when the hammer rebounds, the wedge is secure.

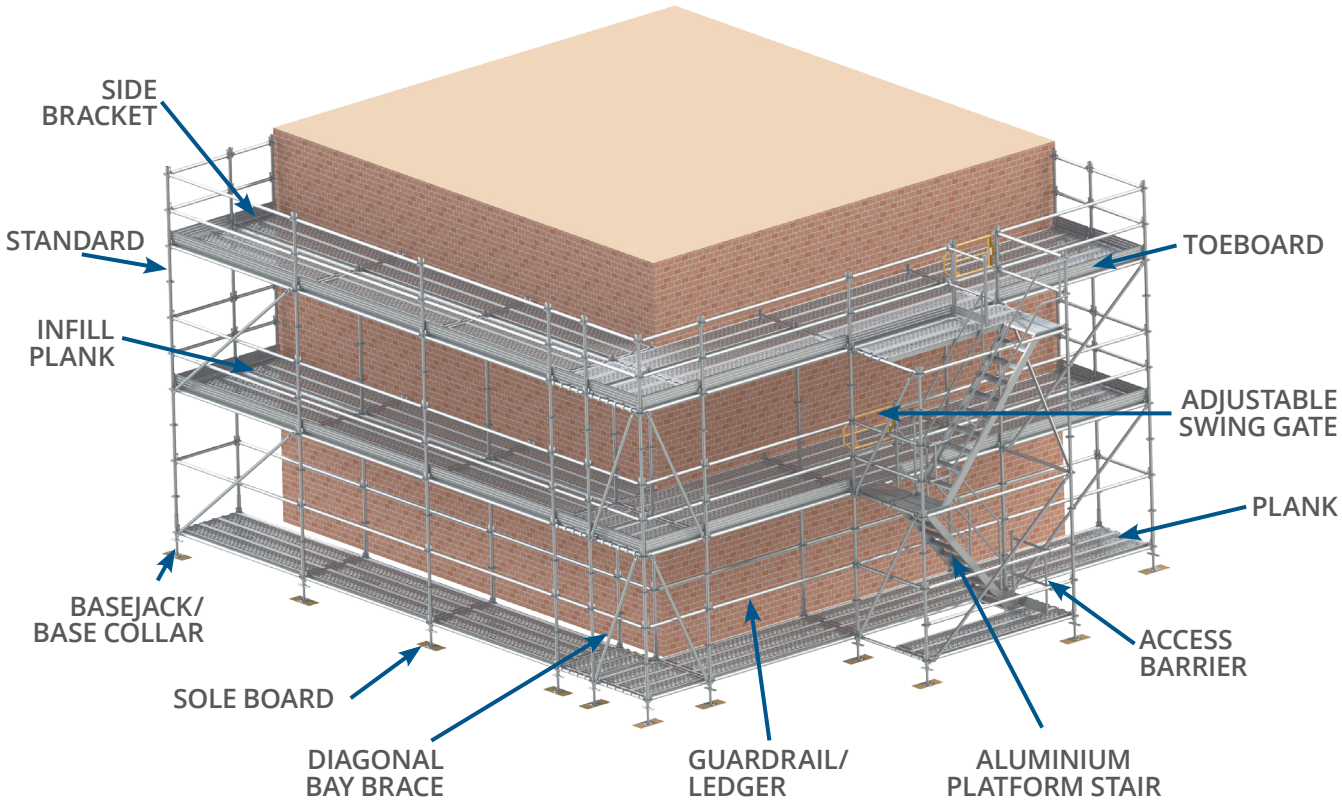
TO MAKE A CONNECTION



OVERVIEW

COMPONENT IDENTIFICATION

The following diagram represents the most common Ringlock components used. Most scaffold structures are made from these basic components yet the Ringlock system comes with a variety of accessories for all your scaffolding requirements.



The above layout provides a typical arrangement of the Ringlock system and we can provide you with a variety of means of access. These include:

- Ladder Access using Ledger to Plank and Plank to Plank Transoms
- Stair Treads and Stringers to form integral stairs or independent stair towers.
- Aluminium Platform Stairs in one bay.
- All Aluminium Decks with integral ladders.

OVERVIEW

COLOUR CODED COMPONENTS

A new feature offered by AT-PAC is the horizontal components manufactured with a colour-coded identification label. This process allows the scaffolder to easily match particular components for each size of the bay to be erected. (For example: An Orange Ledger 1.57m will work with an Orange Diagonal and an Orange Plank.)

RINGLOCK

Base

SCREWJACK / BASE JACK

The Screwjack is used as a starting base for a scaffold. It is adjustable in height to allow for compensation on uneven surfaces so that a level scaffold is always attainable.

SCREWJACK / BASE JACK					
PRODUCT		HEIGHT	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
06.01.060.00	Screwjack / Base Jack	0.60	3.87	220	Rack

SWIVEL JACK

The Swivel Jack is used as a starting base for a scaffold. It is adjustable in height and angle to allow for compensation on uneven surfaces so that a level scaffold is always attainable.

SWIVEL JACK					
PRODUCT		HEIGHT	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
06.03.078.00	Swivel Jack	0.78	6.02	160	Rack

CASTOR 0.3m

The Castor 0.3m is designed to provide mobility to a medium to large size scaffold tower allowing the tower to roll across a flat surface.

CASTOR 0.3m					
PRODUCT		DIAMETER	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
07.02.030.00	Castor 0.3m	0.30	16.01	220	Rack

RINGLOCK

Base

STARTER/BASE COLLAR

The Base Collar is the beginning of the Ringlock Scaffolding system. It sits upon a fixed or Adjustable Base.

STARTER / BASE COLLAR					
PRODUCT		HEIGHT	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.27.000.00	Starter/Base Collar	0.301	2.43	385	Rack

ADAPTER FOR 0.3m CASTOR

The Adapter for 0.3m Castor is used as a base connection point to a 0.3m Castor and provides a base spigot to use with Standards or Base Collars to begin scaffold construction.

ADAPTER FOR 0.3m CASTOR					
PRODUCT		HEIGHT	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.33.030.00	Adapter for 12" Castor	0.249	4.24	144	Rack + Insert

RINGLOCK
Standards

STANDARD WITH CRIMPED SPIGOT

The Standard with Crimped Spigot is the vertical member of Ringlock scaffolding that utilises a crimped spigot. The Rosettes are located at fixed increments 0.5m for attaching horizontal Transom/Ledgers and Diagonal Braces.

STANDARD WITH CRIMPED SPIGOT					
PRODUCT		HEIGHT	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.01.050.00	Standard (1 Ring)	0.5	3.31	270	Rack
01.01.100.00	Standard (2 Ring)	1.0	5.62	180	Rack
01.01.150.00	Standard (3 Ring)	1.5	7.94	90	Rack
01.01.200.00	Standard (4 Ring)	2.0	10.32	90	Rack
01.01.250.00	Standard (5 Ring)	2.5	12.03	90	Rack
01.01.300.00	Standard (6 Ring)	3.0	14.99	90	Rack
01.01.400.00	Standard (8 Ring)	4.0	19.77	90	Rack

STANDARD WITH HANGING SPIGOT

The Standard with Hanging Spigot is a vertical member of Ringlock scaffolding. The Standard provides the vertical support for suspended scaffolding.

STANDARD WITH HANGING SPIGOT					
PRODUCT		HEIGHT	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.02.050.00	Standard (1 Ring)	0.5	2.24	270	Rack
01.02.100.00	Standard (2 Ring)	1.0	6.78	180	Rack
01.02.150.00	Standard (3 Ring)	1.5	8.76	90	Rack
01.02.200.00	Standard (4 Ring)	2.0	11.00	90	Rack
01.02.250.00	Standard (5 Ring)	2.5	13.90	90	Rack
01.02.300.00	Standard (6 Ring)	3.0	15.63	90	Rack
01.02.400.50	Standard (8 Ring)	4.0	19.96	90	Rack
35.01.000.00	Spigot for Hanging Scaffold	N/A	1.20	750	Rack + Insert

Note: Spigot supplied separately

RINGLOCK
Ledgers

LEDGER O-TYPE

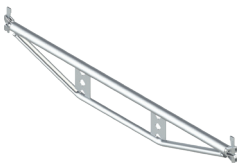
The Ledger O-Type is the horizontal member of Ringlock scaffolding. They provide horizontal support for Ringlock planks. Ledgers can also be used as mid rail and top or hand Guardrail.

LEDGER O-TYPE					
PRODUCTS		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.03.015.00	Ledger O-Type	0.15	1.17	300	Rack
01.03.039.50	Ledger O-Type	0.39	2.14	300	Rack
01.03.073.50	Ledger O-Type	0.73	3.39	300	Rack
01.03.104.50	Ledger O-Type	1.04	4.31	200	Rack
01.03.109.00	Ledger O-Type	1.09	4.70	200	Rack
01.03.140.50	Ledger O-Type	1.40	5.54	200	Rack
01.03.157.00	Ledger O-Type	1.57	6.45	200	Rack
01.03.207.50	Ledger O-Type	2.07	8.19	150	Rack
01.03.257.50	Ledger O-Type	2.57	9.91	150	Rack
01.03.307.50	Ledger O-Type	3.07	11.67	150	Rack

TRUSS LEDGER O-TYPE

Truss Ledgers O-Type have been value engineered to enable higher service loads to the scaffold than could be applied using traditional Ledgers. The reinforcing tube and stiffener plates support the top tube and provide strength while maintaining lightness.

TRUSS LEDGER O-TYPE					
PRODUCT		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.18.140.00	Truss Ledger O-Type	1.40	9.38	63	Rack
01.18.157.00	Truss Ledger O-Type	1.57	10.10	63	Rack
01.18.207.50	Truss Ledger O-Type	2.07	13.91	63	Rack
01.18.257.50	Truss Ledger O-Type	2.57	16.68	63	Rack
01.18.307.50	Truss Ledger O-Type	3.07	21.26	63	Rack



RINGLOCK

Ledgers/Transoms U-Type

LEDGER U-TYPE

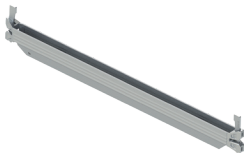
The Ledger U-Type is the horizontal member of Ringlock scaffolding. They provide horizontal support for Ringlock Planks.

U LEDGER/TRANSOM					
PRODUCT		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.04.039.50	Ledger U-Type	0.39	1.99	300	Rack
01.04.073.50	Ledger U-Type	0.73	3.18	300	Rack

REINFORCED LEDGER/TRANSOM U-TYPE

The Reinforced Ledger is a reinforced horizontal member of the Ringlock Scaffolding. They provide support for Ringlock Planks at longer spans between verticals.

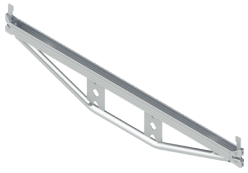
U REINFORCED LEDGER/TRANSOM					
PRODUCT		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.05.109.50	Ledger U-Type—Reinforced	1.09	6.48	110	Rack
01.05.140.50	Ledger U-Type—Reinforced	1.40	8.21	110	Rack
01.05.157.50	Ledger U-Type—Reinforced	1.57	9.30	110	Rack



TRUSS LEDGER/TRANSOM U-TYPE

Truss Ledgers O-Type have been value engineered to enable higher service loads to the scaffold than could be applied using traditional Ledgers.

U TRUSS LEDGER/TRANSOM					
PRODUCT		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.19.140.50	Truss Ledger U-Type	1.40	9.09	70	Rack
01.19.157.50	Truss Ledger U-Type	1.57	10.84	70	Rack
01.19.207.50	Truss Ledger U-Type	2.07	14.40	70	Rack
01.19.257.50	Truss Ledger U-Type	2.57	17.74	70	Rack
01.19.307.50	Truss Ledger U-Type	3.07	21.49	70	Rack

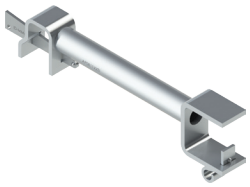


RINGLOCK
Transoms

LEDGER TO PLANK TRANSOM O-TYPE

The Ledger to Plank Transom O-Type is used where a ladder access opening is required on one side of the access platform.

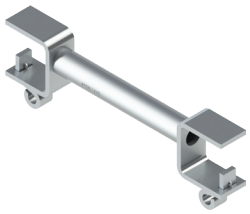
LEDGER TO PLANK TRANSOM						
PRODUCT			LENGTH	WEIGHT	PACKAGING	
	CODE	DESCRIPTION	METRES	KG	QTY	TYPE
	01.23.320.50	Ledger to Plank—1 Plank	0.32	3.46	200	Rack + Insert
	01.23.640.50	Ledger to Plank—2 Plank	0.64	4.31	200	Rack
	01.23.960.50	Ledger to Plank—3 Plank	0.96	5.62	200	Rack



PLANK TO PLANK TRANSOM O-TYPE

Plank to Plank Transoms O-Type are used when an opening is required in the middle of a platform, for example a column or pipework that may pass through the working platform.

PLANK TO PLANK TRANSOM						
PRODUCT			LENGTH	WEIGHT	PACKAGING	
	CODE	DESCRIPTION	METRES	KG	QTY	TYPE
	01.24.320.50	Plank to Plank—1 Plank	0.32	3.69	170	Rack + Insert
	01.24.640.50	Plank to Plank—2 Plank	0.64	4.69	200	Rack
	01.24.960.50	Plank to Plank—3 Plank	0.96	5.59	200	Rack



MID TRANSOM O-TYPE

The Mid Transom is designed to create a Transom at the plank level anywhere inside of a bay by straddling the outer Ledgers/ Transoms of a bay.

MID TRANSOM O-TYPE						
PRODUCT			LENGTH	WEIGHT	PACKAGING	
	CODE	DESCRIPTION	METRES	KG	QTY	TYPE
	01.20.039.50	Mid Transom	0.39	2.73	160	Rack
	01.20.073.50	Mid Transom	0.73	3.91	160	Rack
	01.20.104.50	Mid Transom	1.04	4.96	160	Rack
	01.20.109.00	Mid Transom	1.09	5.14	160	Rack
	01.20.140.50	Mid Transom	1.40	6.28	160	Rack
	01.20.157.00	Mid Transom	1.57	6.82	160	Rack
	01.20.207.50	Mid Transom	2.07	8.49	160	Rack
	01.20.257.50	Mid Transom	2.57	10.15	160	Rack
	01.20.307.50	Mid Transom	3.07	12.12	160	Rack

RINGLOCK

U Intermediate Transoms

LEDGER TO PLANK TRANSOM U-TYPE

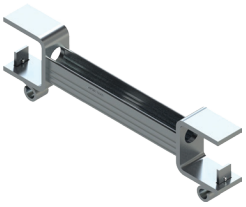
The Ledger to Plank Transom U-Type is used where a ladder access opening is required on one side of the access platform.

U LEDGER TO PLANK TRANSOM					
PRODUCT		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.25.320.50	U-Type (Ledger to Plank) —1 Plank	0.32	3.71	170	Cage
01.25.640.50	U-Type (Ledger to Plank) —2 Plank	0.64	4.71	200	Rack
01.25.960.50	U-Type (Ledger to Plank) —3 Plank	0.96	5.77	200	Rack

PLANK TO PLANK TRANSOM U-TYPE

Plank to Plank Transoms U-Type are used when an opening is required in the middle of a platform, for example a column or pipework that may pass through the working platform.

U PLANK TO PLANK TRANSOM					
PRODUCT		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.26.320.50	U-Type (Plank to Plank) —1 Plank	0.32	3.96	170	Cage
01.26.640.50	U-Type (Plank to Plank) —2 Plank	0.64	5.13	200	Cage
01.26.960.50	U-Type (Plank to Plank) —3 Plank	0.96	6.37	200	Cage



RINGLOCK
Brackets

SIDE/HOP-UP BRACKET O-TYPE

Side/Hop-Up Brackets are used to extend the working platform closer to the building structure in cases where the main scaffold cannot be erected directly next to the working face.

SIDE BRACKET O-TYPE					
PRODUCT		WIDTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.11.039.50	Side Bracket O-Type	0.39	4.94	110	Rack + Insert
01.11.073.50	Side Bracket O-Type	0.73	7.46	50	Rack

SIDE/CONSOLE BRACKET O-TYPE

Side/Console Brackets are used at the edge of a scaffolding to extend the or widen the working platform.

SIDE/CONSOLE BRACKET O-TYPE					
PRODUCT		WIDTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.12.109.00	Side/Console Bracket O-Type	1.09	12.74	24	Rack

SIDE/HOP UP BRACKET U-TYPE

SIDE BRACKET U-TYPE					
PRODUCT		WIDTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.13.039.50	Side Bracket U-Type	0.39	4.83	100	Rack + Insert
01.13.073.50	Side Bracket U-Type	0.73	7.47	50	Rack

SIDE/CONSOLE BRACKET U-TYPE

SIDE/CONSOLE BRACKET U-TYPE					
PRODUCT		WIDTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.14.109.50	Side/Console Bracket U-Type	1.09	12.39	26	Rack

EXTENSION BRACKET

EXTENSION BRACKET					
PRODUCT		WIDTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.11.019.50	190mm Extension Bracket	0.19	1.29	200	Rack + Insert

BAY BRACES

Bay Braces are used for the lateral bracing of Ringlock scaffolds. They can also be used as compression and tension members for cantilevers/spurs, transmitting loads back into the main scaffold structure.

DIAGONAL BAY BRACE (FACADE BRACE FOR 2.0m LIFT HEIGHT)

PRODUCT		BAY LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.06.073.50	Bay Brace 2.0m Lift	0.73	7.55	150	Rack
01.06.104.50	Bay Brace 2.0m Lift	1.04	7.83	150	Rack
01.06.109.00	Bay Brace 2.0m Lift	1.09	7.86	150	Rack
01.06.140.50	Bay Brace 2.0m Lift	1.40	8.31	150	Rack
01.06.157.00	Bay Brace 2.0m Lift	1.57	8.54	150	Rack
01.06.207.50	Bay Brace 2.0m Lift	2.07	9.45	150	Rack
01.06.257.50	Bay Brace 2.0m Lift	2.57	10.46	150	Rack
01.06.307.50	Bay Brace 2.0m Lift	3.07	11.57	150	Rack

DIAGONAL BAY BRACE (FACADE BRACE FOR 1.5m LIFT HEIGHT)

PRODUCT		BAY LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.07.073.50	Bay Brace 1.5m Lift	0.73	5.90	150	Rack
01.07.104.50	Bay Brace 1.5m Lift	1.04	6.20	150	Rack
01.07.109.00	Bay Brace 1.5m Lift	1.09	6.85	150	Rack
01.07.140.50	Bay Brace 1.5m Lift	1.40	7.08	150	Rack
01.07.157.00	Bay Brace 1.5m Lift	1.57	7.68	150	Rack
01.07.207.50	Bay Brace 1.5m Lift	2.07	8.10	150	Rack
01.07.257.50	Bay Brace 1.5m Lift	2.57	9.20	150	Rack
01.07.307.50	Bay Brace 1.5m Lift	3.07	10.30	150	Rack

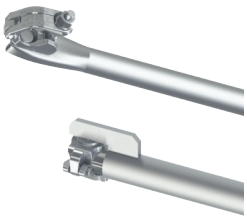
DIAGONAL BAY BRACE (FACADE BRACE FOR 1.0m LIFT HEIGHT)

PRODUCT		BAY LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.08.073.50	Bay Brace 1.0m Lift	0.73	4.74	150	Rack
01.08.104.50	Bay Brace 1.0m Lift	1.04	5.21	150	Rack
01.08.109.00	Bay Brace 1.0m Lift	1.09	5.29	150	Rack
01.08.140.50	Bay Brace 1.0m Lift	1.40	6.14	150	Rack
01.08.157.00	Bay Brace 1.0m Lift	1.57	6.24	150	Rack
01.08.207.50	Bay Brace 1.0m Lift	2.07	7.39	150	Rack
01.08.257.50	Bay Brace 1.0m Lift	2.57	8.59	150	Rack
01.08.307.50	Bay Brace 1.0m Lift	3.07	9.82	150	Rack

TELESCOPIC BRACES

Telescopic Braces are used for the lateral bracing of Ringlock scaffolds. They can also be used as compression and tension members for cantilevers/spurs. Telescopic Braces are comprised of an inner and outer tube connected together using a drop-forged half coupler. Telescopic Braces connect to Ringlock Standards using Swivel Half Couplers.

TELESCOPIC BRACES					
PRODUCT		RANGE	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.36.001.50	Telescopic Brace—Long	2.60-4.30	26.45	150	Rack
01.36.002.50	Telescopic Brace—Medium	1.56-2.38	11.28	150	Rack
01.36.003.50	Telescopic Brace—Short	0.94-1.27	7.20	150	Rack



RINGLOCK

Girders/Spigot Adapters

LATTICE GIRDER, NO SPIGOT 0.5m

Lattice Girders are a horizontal member of Ringlock scaffolding that allow for bridging over large spans of 5.14m to 7.71m.

LATTICE GIRDER, NO SPIGOT 0.5m						
PRODUCT			LENGTH	WEIGHT	PACKAGING	
	CODE	DESCRIPTION	METRES	KG	QTY	TYPE
	01.16.257.50	Lattice Girder, No Spigot 0.5m	2.57	28.00	20	Bundle
	01.16.307.50	Lattice Girder, No Spigot 0.5m	3.07	32.00	20	Bundle
	01.16.514.50	Lattice Girder, No Spigot 0.5m	5.14	52.00	20	Bundle
	01.16.614.50	Lattice Girder, No Spigot 0.5m	6.14	64.00	20	Bundle
	01.16.771.50	Lattice Girder, No Spigot 0.5m	7.71	82.00	20	Bundle

SPIGOT ADAPTER CLAMP FOR GIRDERS

Spigot Adapter Clamps allow the connection of Ringlock Standards at intermediate locations along the length of O-Type Ledgers, Truss Ledgers and Girders.

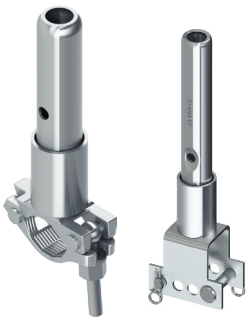
LATTICE GIRDER SPIGOT ADAPTER CLAMP					
PRODUCT			WEIGHT	PACKAGING	
	CODE	DESCRIPTION	KG	QTY	TYPE
	05.08.200.50	Spigot Adaptor. Clamp for Girders	1.80	500	Rack + Insert

***Product Available in a Nut Size of 21mm (UK), 22mm (7/8" N. America) and 23mm (AUS)*

SPIGOT ADAPTER CLAMP

SPIGOT ADAPTER CLAMP					
PRODUCT			WEIGHT	PACKAGING	
	CODE	DESCRIPTION	KG	QTY	TYPE
	05.03.200.50	Spigot Adapter Clamp	1.86	650	Rack + Insert
	05.09.200.50	U Spigot Adapter Clamp	1.80	500	Rack + Insert

***Product Available in a Nut Size of 21mm (UK), 22mm (7/8" N. America) and 23mm (AUS)*



WORK PLATFORMS

Introduction

WORK PLATFORMS

AT-PAC provides a range of work platform products for its Ringlock Scaffold. These include Modular Steel Planks 320mm and 190mm wide, Infill Planks 190mm wide, Gap Filler Planks 320mm wide and Gap Filler Plates 320mm wide. All work platforms products are available in the typical Ringlock Ledger Lengths.

Customers and users can rest assured that, no matter which product they choose, all AT-PAC work platform products are manufactured to stringent quality specifications and go through rigorous testing and checking before being shipped.

AT-PAC work platforms provide a strong, safe working surface no matter what the application.

AT-PAC backs its products with its proprietary Quality Assurance System. This program is designed to ensure that each and every AT-PAC work platform product has been manufactured correctly and functions and performs as it should. This involves continual factory auditing, monitoring, testing, in-process inspections and pre-shipment inspections.

WORK PLATFORMS

Planks

STEEL PLANK O-TYPE 320mm

Steel Planks are used to form the working platform. The number of Steel Planks used determines the width of the platform. They span the length of the bay and hook onto the supporting Ledger/Transom. There is an anti-lift system to prevent uplift in adverse weather conditions.

STEEL PLANK O-TYPE 320mm					
PRODUCT		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
08.03.073.50	Steel Plank 320mm	0.73	7.20	75	Rack
08.03.109.50	Steel Plank 320mm	1.09	9.63	75	Rack
08.03.140.50	Steel Plank 320mm	1.40	11.75	75	Rack
08.03.157.50	Steel Plank 320mm	1.57	12.94	75	Rack
08.03.207.50	Steel Plank 320mm	2.07	16.30	75	Rack
08.03.257.50	Steel Plank 320mm	2.57	19.88	75	Rack
08.03.307.50	Steel Plank 320mm	3.07	23.25	75	Rack

STEEL PLANK O-TYPE 190mm

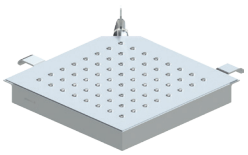
Steel Planks are used to form the working platform. The number of Steel Planks used determines the width of the platform. They span the length of the bay and hook onto the supporting Ledger/Transom. There is an anti-lift system to prevent uplift in adverse weather conditions.

STEEL PLANK O-TYPE 190mm					
PRODUCT		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
08.01.073.50	Steel Plank 190mm	0.73	5.22	50	Rack
08.01.109.50	Steel Plank 190mm	1.09	7.09	50	Rack
08.01.140.50	Steel Plank 190mm	1.40	8.87	50	Rack
08.01.157.50	Steel Plank 190mm	1.57	9.59	50	Rack
08.01.207.50	Steel Plank 190mm	2.07	12.12	50	Rack
08.01.257.50	Steel Plank 190mm	2.57	14.63	50	Rack
08.01.307.50	Steel Plank 190mm	3.07	17.37	50	Rack

CORNER FILLER

The Corner Filler is designed to fill the gap created when using Side Brackets at 90-degrees for creating internal corners.

CORNER FILLER				
PRODUCT		WEIGHT	PACKAGING	
CODE	DESCRIPTION	KG	QTY	TYPE
08.18.039.50	Corner Filler 0.39m Flat	6.50		Rack
08.18.073.00	Corner Filler 0.73m Flat	20		Rack



WORK PLATFORMS

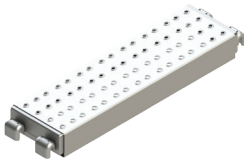
Planks

STEEL PLANK U-TYPE

U-Type Steel Plank connect to U-Ledgers/ Transoms instead of the O-Type.

STEEL PLANK U-TYPE 320mm					
PRODUCT		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
08.05.073.50	Steel Plank 320mm	0.73	6.78	75	Rack
08.05.109.50	Steel Plank 320mm	1.09	8.74	75	Rack
08.05.140.50	Steel Plank 320mm	1.40	10.86	75	Rack
08.05.157.50	Steel Plank 320mm	1.57	12.07	75	Rack
08.05.207.50	Steel Plank 320mm	2.07	15.25	75	Rack
08.05.257.50	Steel Plank 320mm	2.57	19.40	75	Rack
08.05.307.50	Steel Plank 320mm	3.07	22.17	75	Rack

STEEL PLANK U-TYPE 190mm					
PRODUCT		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
08.04.073.50	Steel Plank 190mm	0.73	5.16	125	Rack
08.04.109.50	Steel Plank 190mm	1.09	6.88	125	Rack
08.04.140.50	Steel Plank 190mm	1.40	8.57	125	Rack
08.04.157.50	Steel Plank 190mm	1.57	9.88	125	Rack
08.04.207.50	Steel Plank 190mm	2.07	12.52	125	Rack
08.04.257.50	Steel Plank 190mm	2.57	15.58	125	Rack
08.04.307.50	Steel Plank 190mm	3.07	18.45	125	Rack



DECK LOCK

The Deck Locks are designed to prevent the U-Type Planks from uplift and connect into slots on the underside of the U Ledger/Transom.

DECK LOCK					
PRODUCT		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
08.11.073.50	Deck Lock	0.73	1.32	250	Rack
08.11.109.50	Deck Lock	1.09	1.83	250	Rack
08.11.140.50	Deck Lock	1.40	2.69	250	Rack
08.11.157.50	Deck Lock	1.57	2.65	250	Rack
08.11.207.50	Deck Lock	2.07	3.48	250	Rack
08.11.257.50	Deck Lock	2.57	4.16	250	Rack
08.11.307.50	Deck Lock	3.07	5.20	250	Rack

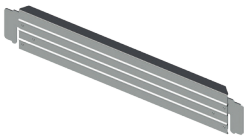
WORK PLATFORMS

Toeboards/Infill

INTERLOCKING TOEBOARD 24mm

Interlocking Toeboards are designed to enclose the bay at the Plank level, preventing small tools, debris and other items from falling off the platform.

INTERLOCKING TOEBOARD 24mm					
PRODUCT		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
08.09.073.50	Interlocking Toeboard	0.73	2.34	460	Rack
08.09.104.50	Interlocking Toeboard	1.04	3.08	230	Rack
08.09.109.50	Interlocking Toeboard	1.09	3.28	230	Rack
08.09.140.50	Interlocking Toeboard	1.40	3.97	230	Rack
08.09.157.50	Interlocking Toeboard	1.57	4.38	230	Rack
08.09.207.50	Interlocking Toeboard	2.07	5.54	230	Rack
08.09.257.50	Interlocking Toeboard	2.57	6.92	230	Rack
08.09.307.50	Interlocking Toeboard	3.07	8.22	230	Rack



TOE BOARD RETAINING CLAMP

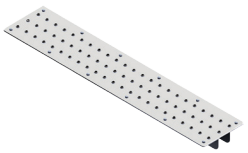
The Toe Board Retaining Clamps are used to secure the toeboard from uplift in adverse weather conditions.

TOE BOARD RETAINING CLAMP					
PRODUCTS		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
04.16.000.00	Toe Board Retaining Clamp	0.08	0.83	350	Rack+ Insert

INFILL PLANK 190mm

Infill Planks are designed to fill any unwanted gaps between Planks or bays providing a continuous working platform.

INFILL PLANK 190mm					
PRODUCTS		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
08.07.073.50	Infill Plank	0.73	3.37	270	Rack
08.07.109.00	Infill Plank	1.09	5.04	135	Rack
08.07.140.50	Infill Plank	1.40	6.47	135	Rack
08.07.157.00	Infill Plank	1.57	6.58	135	Rack
08.07.207.50	Infill Plank	2.07	9.13	135	Rack
08.07.257.50	Infill Plank	2.57	11.35	135	Rack
08.07.307.50	Infill Plank	3.07	13.60	135	Rack



WORK PLATFORMS

Infill

GAP FILLER PLANK

The Gap Filler Plank is designed to span small openings in the Ringlock platform or between bays.

GAP FILLER PLANK					
PRODUCT		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
08.13.075.50	320mm Gap Filler Plank	0.75	4.52	144	Rack
08.13.100.50	320mm Gap Filler Plank	1.00	5.50	72	Rack
08.13.125.50	320mm Gap Filler Plank	1.25	6.67	72	Rack
08.13.150.50	320mm Gap Filler Plank	1.50	7.74	72	Rack
08.13.175.50	320mm Gap Filler Plank	1.75	5.50	72	Rack
08.13.200.50	320mm Gap Filler Plank	2.00	10.52	72	Rack
08.14.075.50	190mm Gap Filler Plank	0.75	2.80	240	Rack
08.14.100.50	190mm Gap Filler Plank	1.00	3.50	120	Rack
08.14.125.50	190mm Gap Filler Plank	1.25	4.18	120	Rack
08.14.150.50	190mm Gap Filler Plank	1.50	4.87	120	Rack
08.14.175.50	190mm Gap Filler Plank	1.75	5.57	120	Rack
08.14.200.50	190mm Gap Filler Plank	2.00	6.27	120	Rack
35.05.000.00	Rubber Plug	N/A	0.02	N/A	

Supplied with Rubber Plug to secure platform.

GAP FILLER PLATE

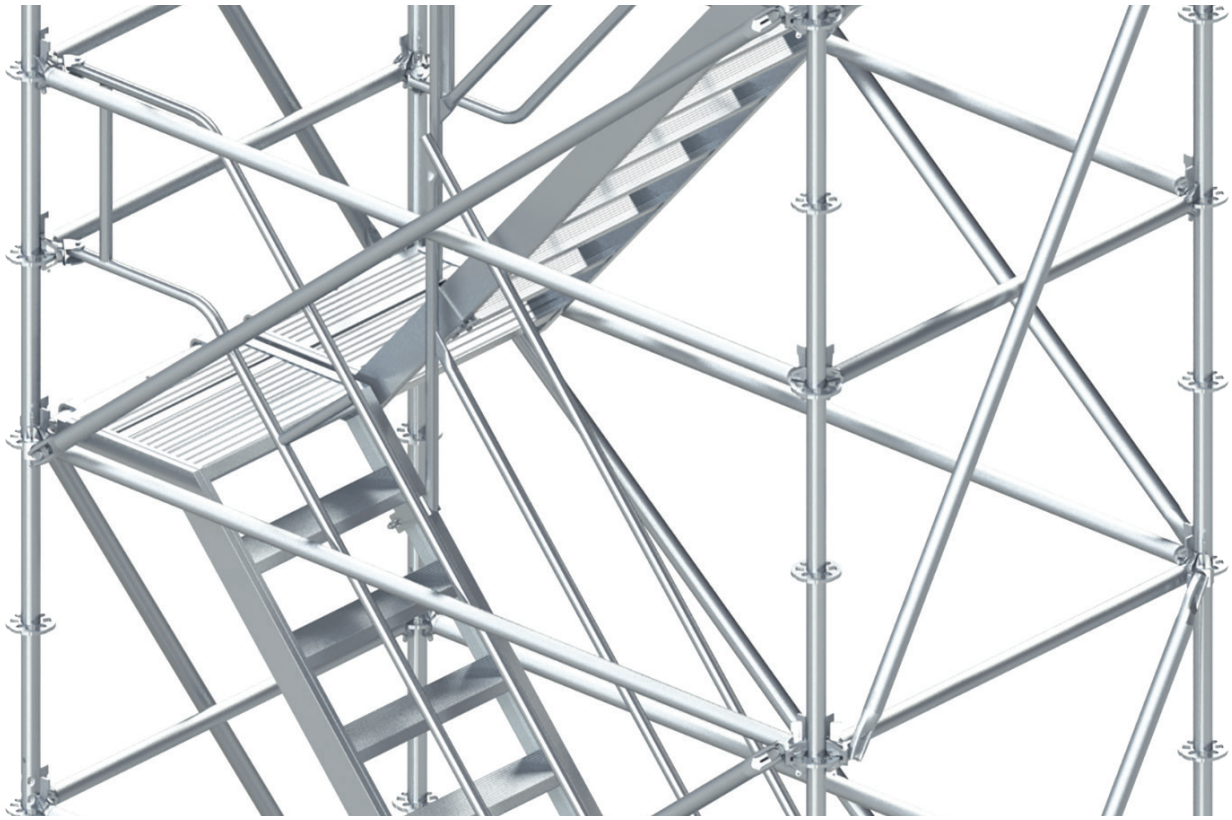
The Gap Filler Plates are designed to fill any unwanted gaps between planks or bays creating continuous working platforms.

GAP FILLER PLATE					
PRODUCTS		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
08.15.073.50	Gap Filler Plate	0.73	2.20	320	Rack
08.15.104.50	Gap Filler Plate	1.04	3.28	160	Rack
08.15.109.50	Gap Filler Plate	1.09	3.47	160	Rack
08.15.140.50	Gap Filler Plate	1.40	4.58	160	Rack
08.15.157.50	Gap Filler Plate	1.57	5.19	160	Rack
08.15.207.50	Gap Filler Plate	2.07	6.97	400	TUBE Rack
08.15.257.50	Gap Filler Plate	2.57	8.44	400	TUBE Rack
08.15.307.50	Gap Filler Plate	3.07	10.55	400	TUBE Rack
35.05.000.00	Rubber Plug	N/A	0.02	N/A	

Supplied with Rubber Plug to secure platform.

ACCESS & EGRESS

Introduction



ACCESS & EGRESS

AT-PAC has developed a full complement of Access & Egress products for AT-PAC Ringlock and other applications. These products are designed and manufactured in accordance with all applicable standards and provide a level of safety that is unparalleled in the industry. This range of components include Self-closing Safety Gates, Aluminium Platforms Stair units, Ringlock Steel Stairs and Access Barriers all built to exacting quality standards and individually checked for compliance and function.

The 10 Leg Steel Stairs are made from separate Steel Stringers and Treads so the system can be installed where access is tight, such as complex refinery installations where pipes and other obstructions prevent large pieces of scaffolding to be used. The landings are constructed from AT-PAC Steel Planks which provide a convenient and anti-slip platform. AT-PAC Ringlock Bay Braces are used as handrails for the stairs.

AT-PAC also offers its clients their newly designed Aluminium Platform Stair units. These are complete stair units with built-in landings. The use of lightweight structural Aluminium for the stair stringers, treads and landings make these units highly manageable and easy to install. They also allow the stair towers to have only 4 legs on plan, making the system very fast and easy to erect.

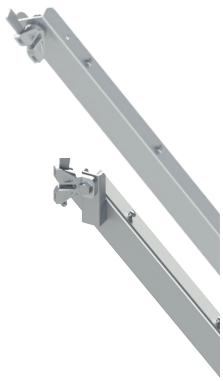
ACCESS & EGRESS

Steel Stair/Aluminium Ladder Deck

STEEL STAIR STRINGER

The Stair Stringer is the diagonal member of the 10 Leg Stair System. The Stringer must be used in pairs in order to support the Stair Treads. The Stringer is used for a typical 2.0m lift height.

STAIR STRINGER						
PRODUCT			BAY LENGTH	WEIGHT	PACKAGING	
	CODE	DESCRIPTION	METRES	KG	QTY	TYPE
	15.01.207.00	Stair Stringer—U Type	2.07	14.90	108	Rack
	15.08.207.50	Stair Stringer **Right**—O Type	2.07	15.50	108	Rack
	15.07.207.50	Stair Stringer **Left**—O Type	2.07	15.50	108	Rack



Note: The O-Type Stair Stringers are handed. (**Blue** = Powder coated ledger head left hand, **Yellow** = Powder coated ledger head right hand)

STEEL STAIR TREAD

The Stair Tread is designed as the horizontal member connecting to the Stair Stringers, providing the steps of the stair system. This fits into a 1.036m (1.04m) Bay width.

STAIR TREAD					
PRODUCT		WIDTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
15.02.089.00	Stair Tread	0.89	9.19	20	Cage

ALUMINIUM LADDER HATCH DECK

The aluminium frame with Ladder Hatch Deck acts as a lightweight, extra wide Scaffold Plank which incorporates a Ladder.

LADDER HATCH DECK					
PRODUCT		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
19.02.257.50	All Aluminium Ladder Hatch Deck 2.57m x 0.64m	2.57	33.40	25	Rack

ACCESS & EGRESS

Aluminium Platform Stair

ALUMINIUM PLATFORM STAIR O-TYPE

Aluminium Stairs are complete stair units with built in landings.

Aluminium PLATFORM STAIR W/LANDING O-TYPE						
PRODUCTS			LENGTH	WEIGHT	PACKAGING	
	CODE	DESCRIPTION	METRES	KG	QTY	TYPE
	16.01.257.50	Alum. Stair Platform O-Type	2.0 x 2.57	29.50	12	PALLET
	16.01.307.50	Alum. Stair Platform O-Type	2.0 x 3.07	42.00	12	PALLET

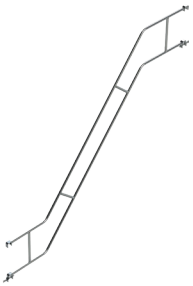
ALUMINIUM PLATFORM STAIR GUARDRAILS

The Aluminium Stair Guardrail is used to provide a handrail on the inner side and outer side of the Aluminium Stair Platform.

ALUMINIUM STAIR INNER GUARDRAIL						
PRODUCT			LENGTH	WEIGHT	PACKAGING	
	CODE	DESCRIPTION	METRES	KG	QTY	TYPE
	16.08.000.50	Alum Stair Inner Guardrail UK	2.0 x 2.57	12.19	20	Rack

ALUMINIUM STAIR INNER EXTENDED GUARDRAIL						
PRODUCT			LENGTH	WEIGHT	PACKAGING	
	CODE	DESCRIPTION	METRES	KG	QTY	TYPE
	16.05.257.50	Alum Stair Inner Extended Guardrail 2m x 2.57m	2.57	13.00	20	Rack
	16.05.307.50	Alum Stair Inner Extended Guardrail 2m x 3.07m	3.07	14.50	20	Rack

ALUMINIUM STAIR OUTER GUARDRAIL						
PRODUCT			LENGTH	WEIGHT	PACKAGING	
	CODE	DESCRIPTION	METRES	KG	QTY	TYPE
	16.06.257.50	Alum Stair Outer Guardrail 2m x 2.57m	2.57	18.50	20	Rack
	16.06.307.50	Alum Stair Outer Guardrail 2m x 3.07m	3.07	18.00	20	Rack



ACCESS & EGRESS

Guardrail/Edge Protection

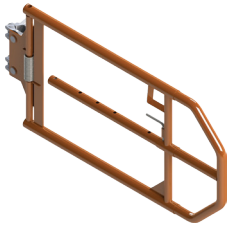
GUARDRAIL STANDARD

The Guardrail Standards are used to create openings for access & egress and the ability to attach a Safety Gate.

GUARDRAIL STANDARD					
PRODUCT		HEIGHT	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.31.163.00	Guardrail Standard	1.5	8.32	70	Rack

ADJUSTABLE SAFETY GATE

Adjustable Safety Gates are designed to secure an opening used for access & egress.



ADJUSTABLE SAFETY GATE					
PRODUCT		WIDTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
10.01.200.50	Adjustable Swing Gate 21mm Nut	1.0	8.20	34	Rack

***Product Available in a Nut Size of 21mm (UK), 22mm (N. America) and 23mm (AUS)*

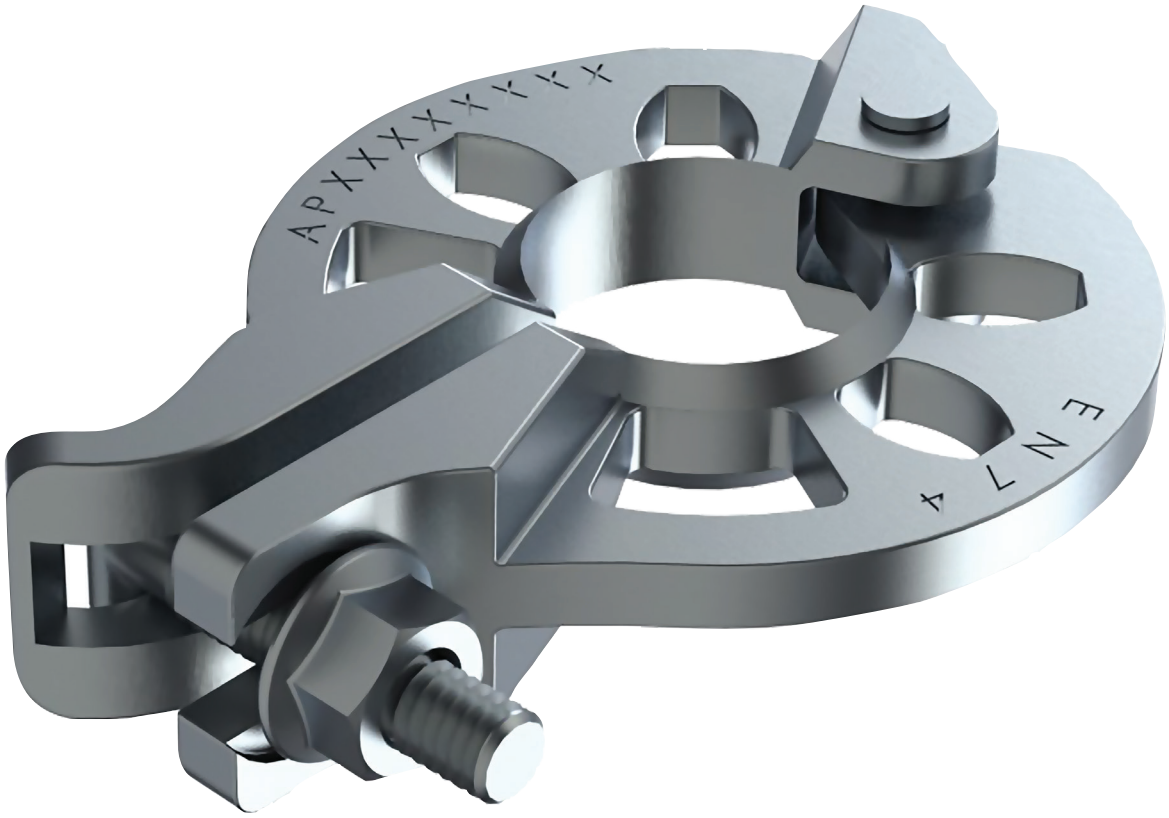
ACCESS BARRIER

The Access Barriers are designed to be used as a guardrail at the top and bottom of the Aluminum 4 leg Platform Stairs and can also be used to provide barriers around gaps in platforms for ladder access.

ACCESS BARRIER					
PRODUCT		WIDTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
10.06.700.50	Access Barrier	0.7	11	26	Rack

ACCESSORIES

Introduction



INTRODUCTION

AT-PAC has a continually growing list of accessories for Ringlock System Scaffold. These accessories enhance Ringlock capabilities for simple or complicated scaffold structures. AT-PAC's Engineering department has a wealth of experience when it comes to designing and manufacturing components. On request from customers AT-PAC can also design, manufacture and supply special components.

These special components are taken from concept to completion in a timely manner to ensure customers are able to maintain productivity at all times. All components are analysed by Professional Engineers and tested via recognised test laboratories, globally.

The accessory range of products include Rosette Coupler, Adapter Clamps, Leg Locks and Loading Bays to name a few.

AT-PAC's Engineering department adopts the latest 3d design software and 3d printing capabilities in order to develop new products/ accessories. This strong emphasis on design, analysis and testing brings AT-PAC to the forefront of design development within the scaffolding industry.

ACCESSORIES

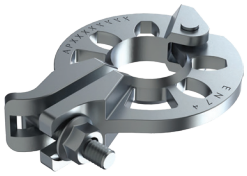
Clamps/Leg Lock

ROSETTE CLAMP

The Rosette Clamp is used to add a rosette at any point on a vertical Standard or tube.

ROSETTE CLAMP				
PRODUCT		WEIGHT	PACKAGING	
CODE	DESCRIPTION	KG	QTY	TYPE
01.30.000.50	Rosette Clamp (T-Bolt)	1.19	750	Rack + Insert

***Product Available in a Nut Size of 21mm (UK), 22mm (7/8" N. America) and 23mm (AUS)*



SWIVEL ADAPTER CLAMP

The Swivel Adapter Clamp is designed to easily join a scaffold tube to the rosette of a Ringlock Scaffold producing a variety of angles.

SWIVEL ADAPTER CLAMP				
PRODUCT		WEIGHT	PACKAGING	
CODE	DESCRIPTION	KG	QTY	TYPE
05.02.200.50	Swivel Adapter Clamp	1.60	650	Rack + Insert

***Product Available in a Nut Size of 21mm (UK), 22mm (7/8" N. America) and 23mm (AUS)*

RIGHT ANGLE ADAPTER CLAMP

The Right Angle Adapter Clamp is designed to easily join a scaffold tube directly to the Ringlock standard creating 90 degree angles.

RIGHT ANGLE ADAPTER CLAMP				
PRODUCT		WEIGHT	PACKAGING	
CODE	DESCRIPTION	KG	QTY	TYPE
05.01.200.50	Right Angle Adapter Clamp	1.56	650	Rack + Insert

***Product Available in a Nut Size of 21mm (UK), 22mm (7/8" N. America) and 23mm (AUS)*

LEG LOCK (SUSPENDED SCAFFOLD)

The Leg Lock, used in pairs, are designed to attach to the bottom Rosette of the top Standard and to the top Rosette of the bottom Standard. This joins the standards together in preparation for suspended scaffold applications.

LEG LOCK (SUSPENDED SCAFFOLD)					
PRODUCT		HEIGHT	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.28.000.00	Leg Lock (Suspended Scaffold)	0.50	3.66	268	Rack

ACCESSORIES

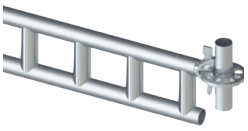
Loading Tower Components

LOADING TOWER TRANSOM O-TYPE

The Loading Tower Transom is designed to support very high loads that act on Loading Towers.

LOADING TOWER TRANSOM O-TYPE					
PRODUCT		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.38.307.50	Loading Tower Transom O-Type	3.07	32	55	Rack

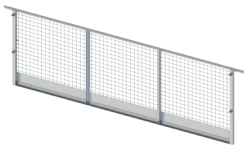
***Loading bay uses 2 of these transoms front and back with a maximum bay size of 3.072 • 2.072*



LOADING TOWER GATE

The Loading Tower Gate is the front of the Loading Bay which is supported using the Loading Tower Lifting Arms.

LOADING TOWER GATE					
PRODUCT		WIDTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.39.307.50	Loading Tower Gate	3.07	40	20	Rack

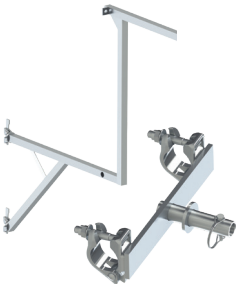


LOADING TOWER LIFTING ARM

The Loading Tower Lifting Arms are the supporting structure for the Loading Bay Gate and Rear Guardrail. The arms are attached using the Fulcrum Coupler.

LOADING TOWER LIFTING ARM					
PRODUCT		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.40.001.50	Loading Tower Lifting Arm	3.07	22.50	28	Rack
01.40.002.50	Loading Bay Fulcrum Coupler	0.30	3.00	300	Rack

***Product Available in a Nut Size of 21mm (UK), 22mm (N. America) and 23mm (AUS)*



LOADING TOWER REAR GUARDRAIL

The Loading Tower Rear Guardrail connects to the Lifting arms and creates a Guardrail when the Loading Gate is open.

REAR GUARDRAIL					
PRODUCT		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.40.003.50	Rear Guardrail	3.07	16.91	23	Rack

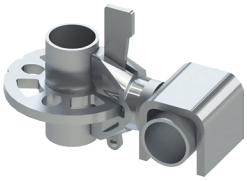
ACCESSORIES

Miscellaneous Items

RETURN LEDGER HOOK

The Return Ledger Hook is designed to connect to the Ringlock Rosette and Hook over anywhere along the length of a Ringlock Ledger.

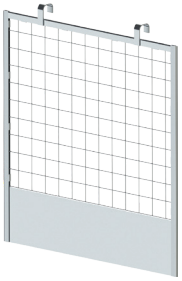
RETURN LEDGER HOOK				
PRODUCT		WEIGHT	PACKAGING	
CODE	DESCRIPTION	KG	QTY	TYPE
01.41.000.50	Return Ledger Hook	1	950	Rack



BRICKGUARD PANEL

Brickguard Panels secure to the top Guardrail Ledgers to proved protection from falling debris, the panel has a built in Toeboard.

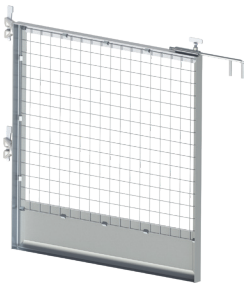
BRICKGUARD PANEL					
PRODUCT		LENGTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
01.42.970.50	Brickguard Panel	0.97m	9	14	Rack



RETURN GUARDRAIL FRAME

The Return Guardrail Frame secures to Ringlock Rosettes and Hooks onto Ringlock Ledgers, this is specifically useful when creating flypast return corners or creating edge protection for circular scaffolds.

RETURN GUARDRAIL FRAME					
PRODUCT		RANGE	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
10.05.109.50	Return Guardrail Frame	1.09-1.11	16.5	14	Rack



ACCESSORIES

Pins/Storage

PIG TAIL PIN

The Pig Tail Pin is designed to lock two Standards together to resist uplift.

PIG TAIL PIN				
PRODUCT		WEIGHT	PACKAGING	
CODE	DESCRIPTION	KG	QTY	TYPE
35.02.000.00	Pig Tail Pin	0.11	500	Bag

TOGGLE PIN

The Toggle Locking Pin is designed to lock two Standards together to resist uplift.

TOGGLE PIN				
PRODUCT		WEIGHT	PACKAGING	
CODE	DESCRIPTION	KG	QTY	TYPE
35.03.000.00	Toggle Pin	0.06	1000	Bag

SCAFFOLD RACK

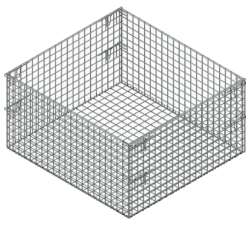
The Scaffold Rack is designed for storage of larger items such as Standards, Ledgers, Steel Plank, etc.

SCAFFOLD RACK					
PRODUCT		HEIGHT/ DEPTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
99.02.000.00	Scaffold Rack	0.77 x 1.1	45.61	1	Rack

SCAFFOLD CAGE INSERT

The Scaffold Cage Insert is designed to fit into the storage rack, to create the Basket for storage of smaller scaffold items such as clamps and accessories.

SCAFFOLD CAGE INSERT					
PRODUCT		HEIGHT/ DEPTH	WEIGHT	PACKAGING	
CODE	DESCRIPTION	METRES	KG	QTY	TYPE
99.01.000.00	Scaffold Cage Insert	0.55 x 1.0	29.96	1	Insert



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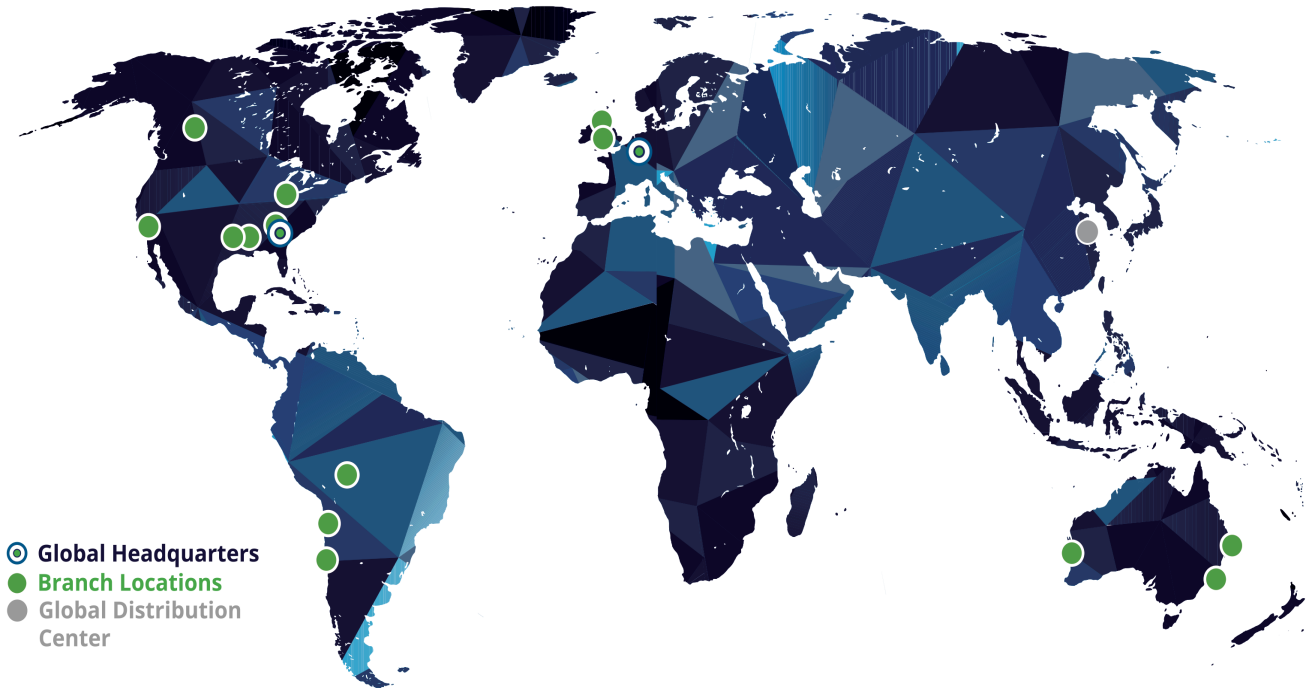

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