

2016 AT-PAC  
**RINGLOCK CATALOG**

SOUTH AMERICA

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# INTRODUCTION

## INTRODUCTION TO AT-PAC



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 South America, USA, Canada, UK and Australia, and 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 Chile, European, Australia and ANSI/ OSHA Regulations.



NORMA CHILENA NCH 1258 OF. 2005 "Sistemas Personales Para Detención De Caídas" (Personal Fall-Arrest Systems)  
NCh. 997 DE 1999 "ANDAMIOS, TERMINOLOGIA Y CLASIFICACIÓN" (Scaffolds, Terminology and Classification)  
NCh. 998 DE 1999 "REQUISITOS GENERAL DE SEGURIDAD" (General Safety REquirements)  
NCh 2501/1 Of. 2000\_Andamios metálicos modulares prefabricados (Metallic modular pre-engineered Scaffolds)

# OVERVIEW

## RINGLOCK QUALITY FACTORS



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

**Material** We only use the highest quality steel in our products. Our steel is certified and tested, it conforms to or exceeds industry standards no matter the location or climate.

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

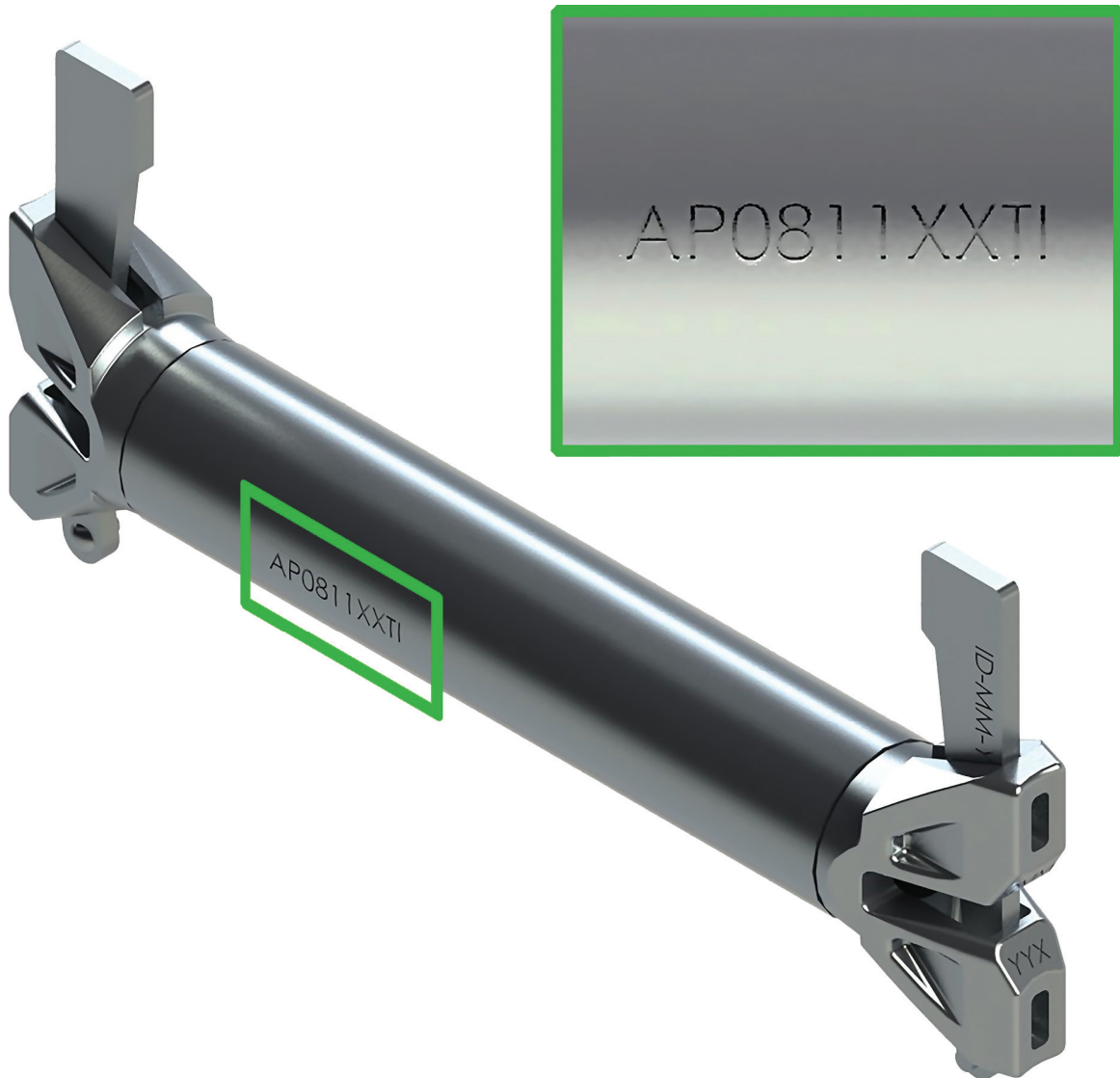
**Finish** Where applicable, our products are finished and protected by hot-dipped zinc galvanizing. This method of finishing maximizes the utilization and extends the product life.

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 08 11 XX TI

AP = AT-PAC  
08 = Month of Manufacture  
11 = Year of Manufacture  
XX = Order Number  
TI = Reference Number

# OVERVIEW

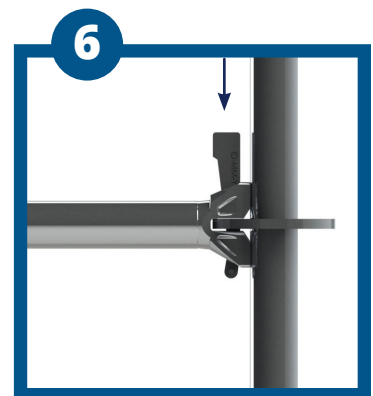
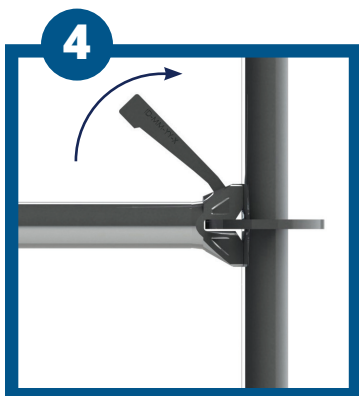
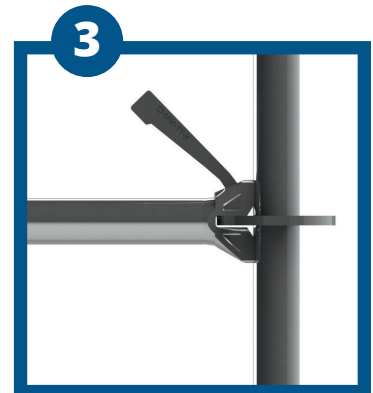
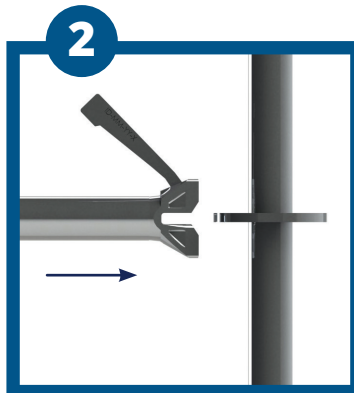
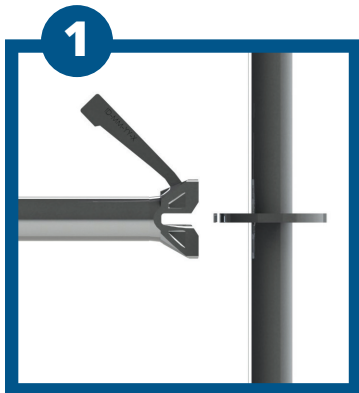
## RINGLOCK NODE CONNECTION

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.

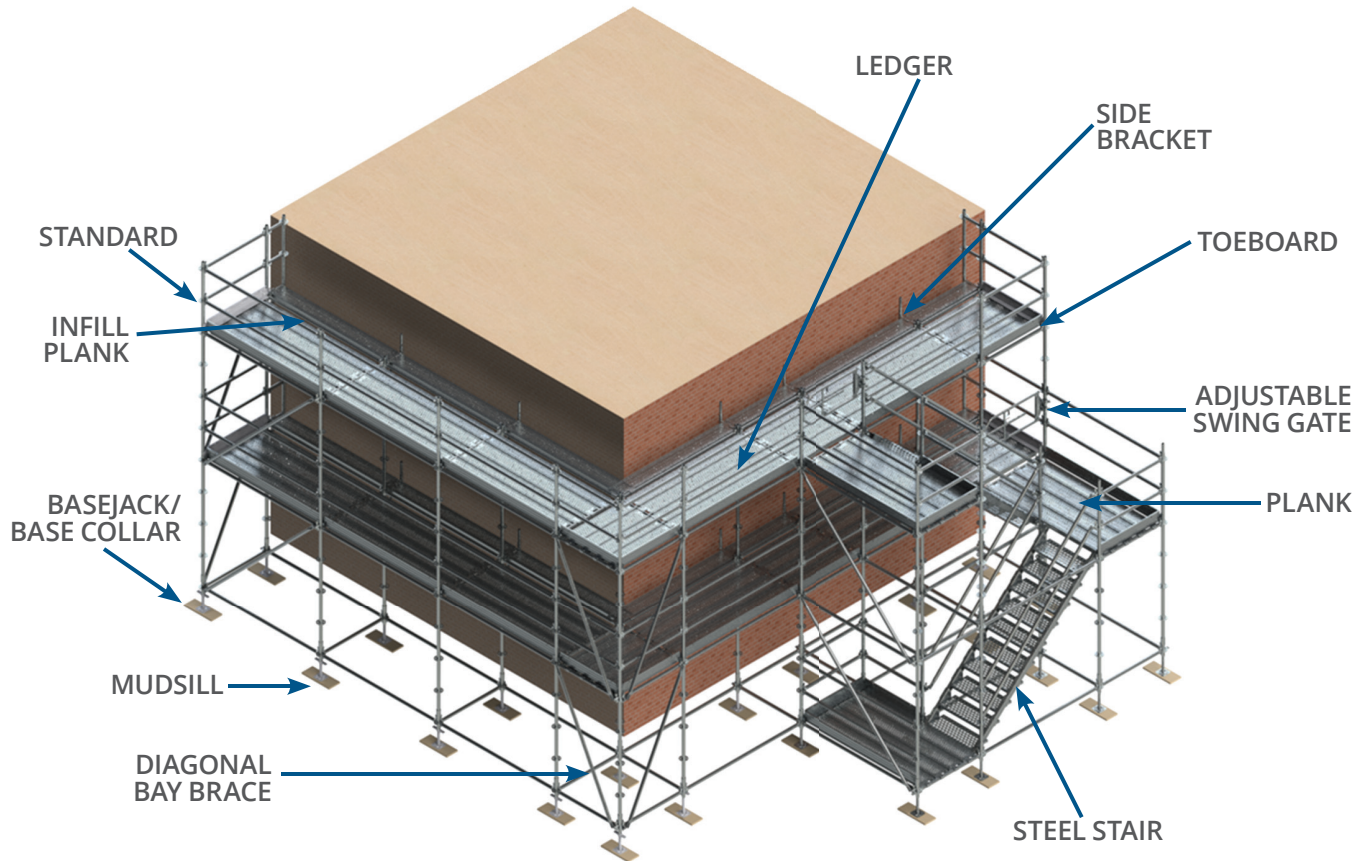
### TO MAKE A CONNECTION



# 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 figure shows the typical arrangement of the AT-PAC Steel Stair System, utilizing the Steel Stringer channel with separate Stair Tread units which slide and lock into place. Steel Planks form the landings. Bay Braces are used for stair handrails and Ledgers form the landing guardrails. The Stair Tower may be built separately and tied into a scaffold or may form an integral part of the main scaffold structure.

AT-PAC also has the following alternate means of access and egress:

- Exterior Vertical Steel Ladders with Ladder Brackets used in conjunction with Swing Gates.
- Internal Vertical Steel Ladders used with Swing Gates, Plank-To-Plank Transoms, Ledger-to-Plank Transoms or Ladder Access Transoms.
- Aluminum Platform Stair units (custom orders only), used in conjunction with 4-leg stair tower.
- Aluminum/Ply Ladder Hatch Decks



# OVERVIEW

## COLOR CODED COMPONENTS

A new feature offered by AT-PAC, are color coded horizontal components manufactured with a colored identification label. This process allows the scaffolder to easily match particular components for each size of bay to be erected. (For example: A Purple Ledger (1.09m) will work with a Purple Diagonal and a Purple Plank.)



ROJO — 0.39M COMPONENTES



MAGENTA — 1.40M COMPONENTES



BLANCO — 0.45 COMPONENTES



NARANJA — 1.57M COMPONENTES



AMARILLO — 0.73M COMPONENTES



CYAN — 2.07M COMPONENTES



NEGRO — 1.036M COMPONENTES



VERDE — 2.57M COMPONENTES



MORADO — 1.09M COMPONENTES



MARRÓN — 3.07M COMPONENTES



AZUL — ARTÍCULOS SIN TAMAÑO ESPECÍFICO

# 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	METERS	FEET	KG	QTY	TYPE
06.01.060.00	Screwjack/Base Jack	0.60	2'	3.87	220	Rack



## SWIVELJACK

The Swiveljack 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.

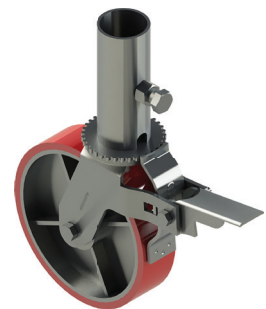
SWIVELJACK						
PRODUCT		HEIGHT		WEIGHT	PACKAGING	
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE
06.03.078.00	Swiveljack	0.78	2'-7"	6.02	160	Rack



## CASTOR 0.2m HD

The Castor 0.2m HD is designed to provide mobility to a small to medium size scaffold tower allowing the tower to roll across a flat surface. The Ringlock Standard fits into the collar of the Castor and can be secured into place using the locking nut.

CASTOR 0.2m HD						
PRODUCT		DIAMETER		WEIGHT	PACKAGING	
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE
07.01.020.00	Castor 0.2m HD	0.20	8"	6.00	220	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. The Adaptor/ Solid Screw Jack can be fixed to the top of the Castor using Bolt and Nut fixtures. This allows for the Ringlock Standard to attach directly to the Adaptor/Castor combination.

CASTOR 0.3m						
PRODUCT		DIAMETER		WEIGHT	PACKAGING	
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE
07.02.030.00	Castor 0.3m	0.30	12"	16.01	220	Rack



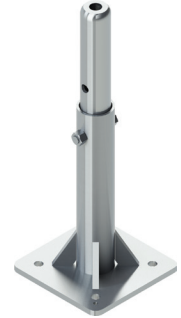
# RINGLOCK

## Base

### ADAPTER FOR 12" CASTOR

The Adapter for 12" Castor is used as a base connection point to a 12" 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	METERS	FEET	KG	QTY	TYPE
01.33.030.00	Adapter for 12" Castor	0.249	9.75"	4.24	144	Rack + Insert



### 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	METERS	FEET	KG	QTY	TYPE
01.27.000.00	Starter/Base Collar	0.301	11.75"	2.43	385	Rack



# RINGLOCK

## Standards

### STANDARD WITH CRIMPED SPIGOT

The Standard with Bolted Spigot is the vertical member of Ringlock scaffolding that utilize a removable spigot. The Rosettes are located at fixed increments 19.75" (0.5m) for attaching horizontal Bearers/Ledgers and Diagonal Braces. The Standard provides the vertical support for the scaffold system.

STANDARD WITH CRIMPED SPIGOT							
PRODUCT		HEIGHT		WEIGHT	PACKAGING		
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE	
01.01.050.00	Standard (1 Ring)	0.5	1'-8"	3.31	270	Rack	
01.01.100.00	Standard (2 Ring)	1.0	3'-3"	5.62	180	Rack	
01.01.150.00	Standard (3 Ring)	1.5	4'-11"	7.94	90	Rack	
01.01.200.00	Standard (4 Ring)	2.0	6'-6"	10.32	90	Rack	
01.01.250.00	Standard (5 Ring)	2.5	8'-2"	12.03	90	Rack	
01.01.300.00	Standard (6 Ring)	3.0	9'-9"	14.99	90	Rack	
01.01.400.00	Standard (8 Ring)	4.0	13'-1"	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 scaffolding. The spigot hangs in place.

STANDARD WITH HANGING SPIGOT							
PRODUCT		HEIGHT		WEIGHT	PACKAGING		
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE	
01.02.050.00	Standard (1 Ring)	0.5	1'-8"	2.24	270	Rack	
01.02.100.00	Standard (2 Ring)	1.0	3'-3"	6.78	180	Rack	
01.02.150.00	Standard (3 Ring)	1.5	4'-11"	8.76	90	Rack	
01.02.200.00	Standard (4 Ring)	2.0	6'-6"	11.00	90	Rack	
01.02.300.00	Standard (6 Ring)	3.0	9'-9"	15.63	90	Rack	
35.01.000.00	Spigot for Hanging Scaffold	N/A	N/A	1.20	750	Rack + Insert	



*Note: Spigot supplied separately*

# RINGLOCK

## Ledgers

### LEDGER O-TYPE

The Ledger 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 guard rails.

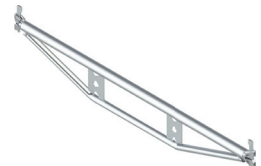
LEDGER O-TYPE						
PRODUCTS		LENGTH		WEIGHT	PACKAGING	
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE
01.03.015.00	Ledger O-Type	0.15	6"	1.17	300	Rack
01.03.039.50	Ledger O-Type	0.39	1'-3"	2.14	300	Rack
01.03.073.50	Ledger O-Type	0.73	2'-5"	3.39	300	Rack
01.03.104.50	Ledger O-Type	1.04	3'-5"	4.31	200	Rack
01.03.109.00	Ledger O-Type	1.09	3'-7"	4.70	200	Rack
01.03.140.50	Ledger O-Type	1.40	4'-7"	5.54	200	Rack
01.03.157.00	Ledger O-Type	1.57	5'-2"	6.45	200	Rack
01.03.207.50	Ledger O-Type	2.07	6'-10"	8.19	150	Rack
01.03.257.50	Ledger O-Type	2.57	8'-5"	9.91	150	Rack
01.03.307.50	Ledger O-Type	3.07	10'-1"	11.67	150	Rack



### TRUSS LEDGER O-TYPE

Truss Ledgers 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	METERS	FEET	KG	QTY	TYPE
01.18.140.50	Truss Ledger O-Type	1.40	4'-7"	9.38	63	Rack
01.18.157.00	Truss Ledger O-Type	1.57	5'-2"	10.10	63	Rack
01.18.207.50	Truss Ledger O-Type	2.07	6'-10"	13.91	63	Rack
01.18.257.50	Truss Ledger O-Type	2.57	8'-5"	16.68	63	Rack
01.18.307.50	Truss Ledger O-Type	3.07	10'-1"	21.26	63	Rack



### LEDGER TO PLANK TRANSOM O-TYPE

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

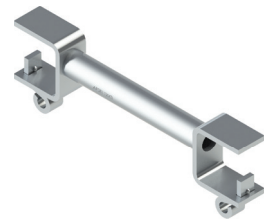
LEDGER TO PLANK TRANSOM						
PRODUCT		LENGTH		WEIGHT	PACKAGING	
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE
01.23.320.50	Ledger to Plank - 1 Plank	0.32	1'-1"	3.46	200	Rack + Insert
01.23.640.50	Ledger to Plank - 2 Plank	0.64	2'-1"	4.31	200	Rack
01.23.960.50	Ledger to Plank - 3 Plank	0.96	3'-1"	5.62	200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



### PLANK TO PLANK TRANSOM O-TYPE

Plank to Plank Transoms 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	METERS	FEET	KG	QTY	TYPE
01.24.320.50	Plank to Plank - 1 Plank	0.32	1'-1"	3.69	170	Rack + Insert
01.24.640.50	Plank to Plank - 2 Plank	0.64	2'-1"	4.69	200	Rack
01.24.960.50	Plank to Plank - 3 Plank	0.96	3'-1"	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	METERS	FEET	KG	QTY	TYPE
01.20.039.50	Mid Transom	0.39	1'-3"	2.73	160	Rack
01.20.073.50	Mid Transom	0.73	2'-5"	3.91	160	Rack
01.20.104.50	Mid Transom	1.04	3'-5"	4.96	160	Rack
01.20.109.00	Mid Transom	1.09	3'-7"	5.14	160	Rack
01.20.140.50	Mid Transom	1.40	4'-7"	6.28	160	Rack
01.20.157.00	Mid Transom	1.57	5'-2"	6.82	160	Rack
01.20.207.50	Mid Transom	2.07	6'-10"	8.49	160	Rack
01.20.257.50	Mid Transom	2.57	8'-5"	10.15	160	Rack
01.20.307.50	Mid Transom	3.07	10'-1"	12.12	160	Rack



# RINGLOCK

## Transoms/Brackets

### LADDER ACCESS TRANSOM WITH SPIGOT

The ladder Access Transom with Spigot is used to create an access opening in the scaffolding platform. The spigot accommodates a standard to support a Swing Gate.

LADDER ACCESS TRANSOM WITH SPIGOT						
PRODUCT		LENGTH		WEIGHT	PACKAGING	
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE
01.22.073.50	Ladder Access Transom w/Spigot	0.73	2'-5"	6.91	45	Rack + Insert



### 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/HOP-UP BRACKET O-TYPE						
PRODUCT		WIDTH		WEIGHT	PACKAGING	
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE
01.11.039.50	Side Bracket O-Type	0.39	1'-3"	4.94	110	Rack + Insert
01.11.073.50	Side Bracket O-Type	0.73	2'-5"	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	METERS	FEET	KG	QTY	TYPE
01.12.109.00	Side/Console Bracket O-Type	1.09	3'-7"	12.74	24	Rack



# RINGLOCK

## Bay Brace

### BAY BRACE 2.0m LIFT

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 braces can also be used as obtuse angle mid rail and top or hand guard rails in conjunction with AT-PAC's Stair Stringer and Tread combination.

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

PRODUCT		BAY LENGTH		WEIGHT	PACKAGING	
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE
01.06.073.50	Bay Brace 2.0m Lift	0.73	2'-4"	7.55	150	Rack
01.06.104.50	Bay Brace 2.0m Lift	1.04	3'-5"	7.83	150	Rack
01.06.109.00	Bay Brace 2.0m Lift	1.09	3'-5"	7.86	150	Rack
01.06.140.50	Bay Brace 2.0m Lift	1.40	4'-7"	8.31	150	Rack
01.06.157.00	Bay Brace 2.0m Lift	1.57	5'-2"	8.54	150	Rack
01.06.207.50	Bay Brace 2.0m Lift	2.07	6'-10"	9.45	150	Rack
01.06.257.50	Bay Brace 2.0m Lift	2.57	8'-5"	10.46	150	Rack
01.06.307.50	Bay Brace 2.0m Lift	3.07	10'-1"	11.57	150	Rack





# RINGLOCK

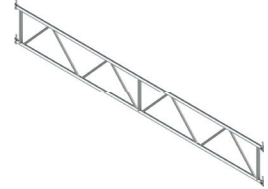
## Girders/Spigot Adapters

### LATTICE GIRDER, NO SPIGOT 0.5M

Lattice Girders are a horizontal member of Ringlock scaffolding that allow for bridging over large spans of 16'-25'/5.14m to 7.71m.

#### LATTICE GIRDER, NO SPIGOT 500mm

PRODUCT		LENGTH		WEIGHT	PACKAGING	
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE
01.16.514.50	Lattice Girder, No Spigot 0.5m	5.14	16'	52.00	20	Bundle
01.16.614.50	Lattice Girder, No Spigot 0.5m	6.14	20'	64.00	20	Bundle
01.16.771.50	Lattice Girder, No Spigot 0.5m	7.71	25'	82.00	20	Bundle



### SPIGOT ADAPTER CLAMP FOR GIRDERS

Spigot Adapter Clamps allows the connection of Ringlock Standards at intermediate locations along the length of O-Type Ledgers, Truss Ledgers and Girders. Care must be taken to ensure that the allowable safe working concentrated load capacities of these members are not exceeded.

#### LATTICE GIRDER SPIGOT ADAPTER CLAMP

PRODUCT		WEIGHT	PACKAGING	
CODE	DESCRIPTION	KG	QTY	TYPE
05.08.200.50	Spigot Adap. 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 (I-BOLT)

The Spigot Adapter Clamp (I-Bolt) allows the connection of Ringlock Standards at intermediate locations along the length of O-Type Ledgers, Truss Ledgers and Girders. Care must be taken to ensure that the allowable safe working loads, of these members, are not exceeded.

#### SPIGOT ADAPTER CLAMP (I-BOLT)

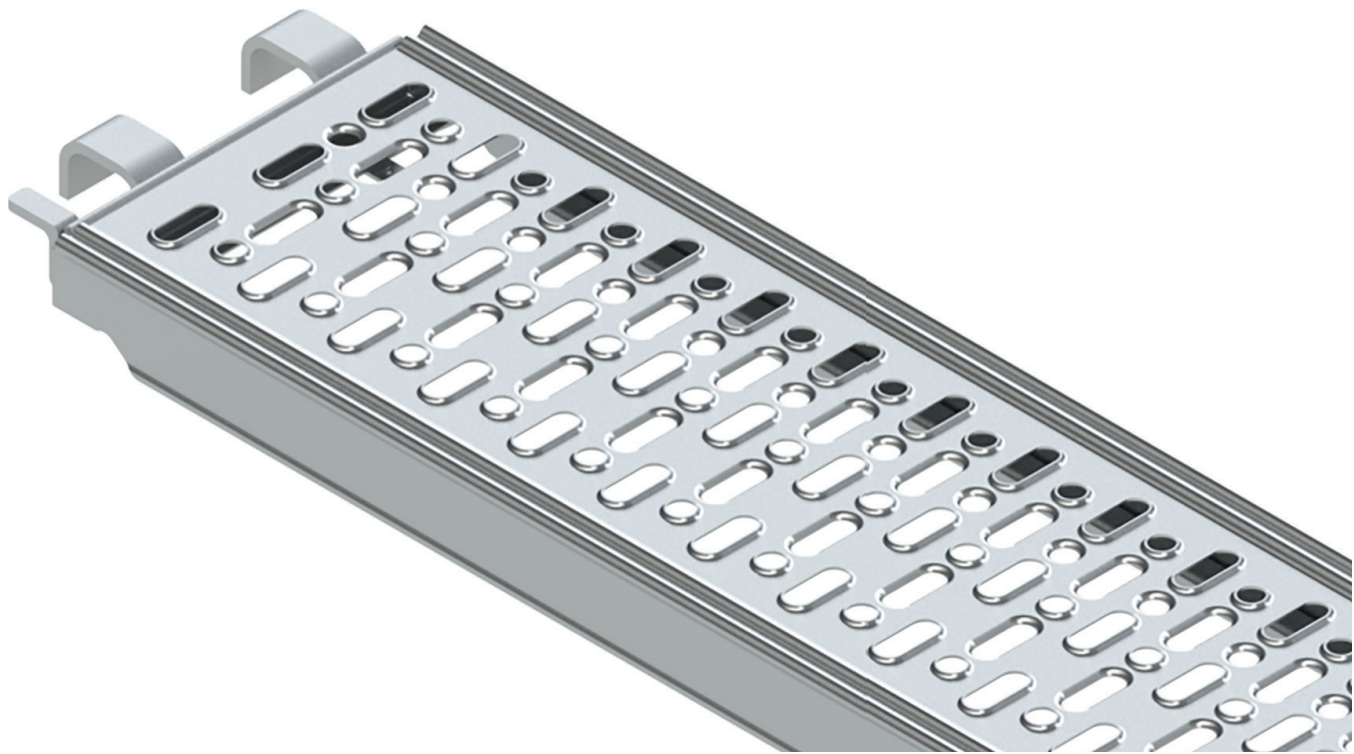
PRODUCT		WEIGHT	PACKAGING	
CODE	DESCRIPTION	KG	QTY	TYPE
05.03.200.50	Spigot Adapter Clamp	1.86	650	Rack + Insert

*\*\*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 wide range of work platform products. These include Modular Steel Planks, Wood Planks, Aluminum & Plywood Decks, Aluminum Pic-Boards, Aluminum Beams for decking and All-Aluminum Planks. All of these are designed for use with AT-PAC Ringlock, Tube & Clamp and Frame scaffold product lines.

AT-PAC can assist customers in deciding which work platform solution would be best suited for the applications at hand and the type of scaffolding being used.

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 and available in a variety of lengths.

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.

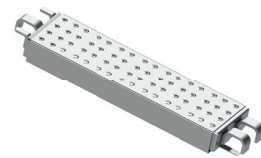
STEEL PLANK O-TYPE 320mm							
PRODUCT		LENGTH		WEIGHT	PACKAGING		
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE	
08.03.073.50	Steel Plank 320mm	0.73	2'-5"	7.20	75	Rack	
08.03.104.50	Steel Plank 320mm	1.04	3'-4"	8.74	75	Rack	
08.03.109.50	Steel Plank 320mm	1.09	3'-7"	9.63	75	Rack	
08.03.140.50	Steel Plank 320mm	1.40	4'-7"	11.75	75	Rack	
08.03.157.50	Steel Plank 320mm	1.57	5'-2"	12.94	75	Rack	
08.03.207.50	Steel Plank 320mm	2.07	6'-10"	16.30	75	Rack	
08.03.257.50	Steel Plank 320mm	2.57	8'-5"	19.88	75	Rack	
08.03.307.50	Steel Plank 320mm	3.07	10'-1"	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	METERS	FEET	KG	QTY	TYPE	
08.01.073.50	Steel Plank 190mm	0.73	2'-5"	5.22	50	Rack	
08.01.104.50	Steel Plank 190mm	1.04	3'-4"	7.43	50	Rack	
08.01.109.50	Steel Plank 190mm	1.09	3'-7"	7.09	50	Rack	
08.01.140.50	Steel Plank 190mm	1.40	4'-7"	8.87	50	Rack	
08.01.157.50	Steel Plank 190mm	1.57	5'-2"	9.59	50	Rack	
08.01.207.50	Steel Plank 190mm	2.07	6'-10"	12.12	50	Rack	
08.01.257.50	Steel Plank 190mm	2.57	8'-5"	14.63	50	Rack	
08.01.307.50	Steel Plank 190mm	3.07	10'-1"	17.37	50	Rack	



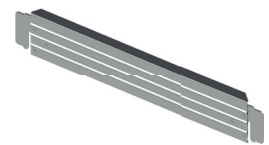
# WORK PLATFORMS

## Planks

### 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 planked platform.

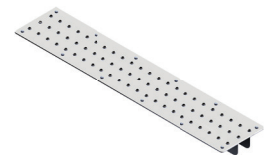
INTERLOCKING TOEBOARD 24mm							
PRODUCT		LENGTH		WEIGHT	PACKAGING		
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE	
08.09.073.50	Interlocking Toeboard	0.73	2'-5"	2.34	460	Rack	
08.09.104.50	Interlocking Toeboard	1.04	3'-5"	3.08	230	Rack	
08.09.109.50	Interlocking Toeboard	1.09	3'-7"	3.28	230	Rack	
08.09.140.50	Interlocking Toeboard	1.40	4'-7"	3.97	230	Rack	
08.09.157.50	Interlocking Toeboard	1.57	5'-2"	4.38	230	Rack	
08.09.207.50	Interlocking Toeboard	2.07	6'-10"	5.54	230	Rack	
08.09.257.50	Interlocking Toeboard	2.57	8'-5"	6.92	230	Rack	
08.09.307.50	Interlocking Toeboard	3.07	10'-1"	8.22	230	Rack	



### INFILL PLANK 190mm

Infill Planks are designed to fill any unwanted gaps between planks or bays providing a continuous working platform and to prevent small tools, debris and other items falling from the working platform.

INFILL PLANK							
PRODUCTS		LENGTH		WEIGHT	PACKAGING		
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE	
08.07.073.50	Infill Plank	0.73	2'-5"	3.37	270	Rack	
08.07.109.00	Infill Plank	1.09	3'-7"	5.04	135	Rack	
08.07.140.50	Infill Plank	1.40	4'-7"	6.47	135	Rack	
08.07.157.00	Infill Plank	1.57	5'-2"	6.58	135	Rack	
08.07.207.50	Infill Plank	2.07	6'-10"	9.13	135	Rack	
08.07.257.50	Infill Plank	2.57	8'-5"	11.35	135	Rack	
08.07.307.50	Infill Plank	3.07	10'-1"	13.60	135	Rack	



# 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 Products include Self-closing swing gates, Vertical Ladders, aluminum platforms stair units, Ringlock Steel Stairs and aluminum ladders, as built to exacting quality standards and individually checked for compliance and function.

The stairs are made from separate Steel Stringers and Treads so the system can be installed where access is tight, such as in boilers or 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 Aluminum Platform Stair units. These are complete stair units with built-in landings. The use of lightweight structural aluminum 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.

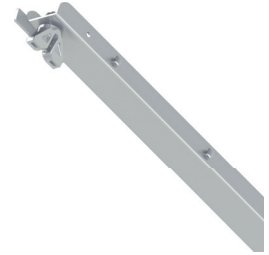
# ACCESS & EGRESS

## Steel Stair/Aluminum 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 6'-6" (2.0m) lift height.

STAIR STRINGER						
PRODUCT		BAY LENGTH		WEIGHT	PACKAGING	
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE
15.01.207.00	Stair Stringer	2.07	6'-10"	14.90	108	Rack



### STEEL STAIR TREAD

The Stair Tread is designed as the horizontal member connecting to the Stair Stringers, providing the steps of the stair system.

STAIR TREAD						
PRODUCT		WIDTH		WEIGHT	PACKAGING	
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE
15.02.089.00	Stair Tread	0.81	32"	8.37	20	Cage



### ALUMINUM/PLY LADDER HATCH DECK

The aluminum frame with Plywood Ladder Hatch Deck acts as a lightweight, extra wide Scaffold Plank which incorporates a Ladder. The aluminum Ladder is safely secured to the underside of the Plank with no obstructions to the walkway. When the Ladder needs to be used it can be unlocked and rotated and rests in an inclined position. The hatch opens fully and allows easy access and egress to/from each lift. This product provides a quick and efficient access and egress solution.

LADDER HATCH DECK						
PRODUCT		LENGTH		WEIGHT	PACKAGING	
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE
18.03.157.00	Alum Ply Deck w/ Access Hatch 1.57m/5'-2"	1.57	5'-2"	18.18	25	Rack
18.03.207.50	Alum/Ply - Ladder Hatch Deck 2.07m/6'-10" x 0.61m	2.07	6'-10"	22.79	25	Rack
18.03.257.50	Alum/Ply - Ladder Hatch Deck 2.57m/8'-5"	2.57	8'-5"	29.00	25	Rack



# ACCESS & EGRESS

## Aluminum Platform Stair

### ALUMINUM PLATFORM STAIR O-TYPE

Aluminum Stairs are complete stair units with built in landings. The use of lightweight structural aluminum 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.



ALUMINUM PLATFORM STAIR W/LANDING O-TYPE						
PRODUCTS		LENGTH		WEIGHT	PACKAGING	
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE
16.01.257.50	Alum. Stair Platform O-Type	2.0 x 2.57	6'-7" x 8'-5"	29.50	12	Pallet
16.01.307.50	Alum. Stair Platform O-Type	2.0 x 3.07	6'-7" x 11"	42.00	12	Pallet

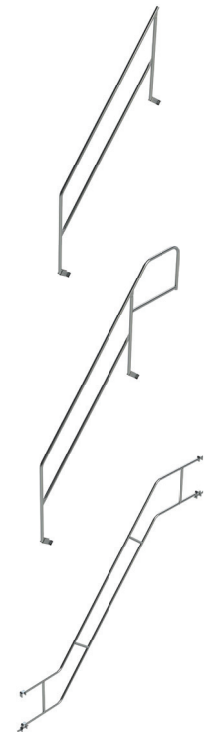
### ALUMINUM PLATFORM STAIR GUARDRAILS

The Aluminum Stair Guardrail is used to provide a handrail on the inner side of the Aluminum Stair Platform. It attaches to the Stair Stringer channel. The upper end of the Aluminum Stair Inner Extended Guardrail provides an extension to provide an additional guardrail to the upper platform.

ALUMINUM STAIR INNER GUARDRAIL						
PRODUCT		LENGTH		WEIGHT	PACKAGING	
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE
16.08.000.50	Alum Stair Inner Guardrail UK	2.00 x 2.57	6'-7" x 8'-5"	12.19	20	Rack

ALUMINUM STAIR INNER EXTENDED GUARDRAIL						
PRODUCT		LENGTH		WEIGHT	PACKAGING	
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE
16.05.307.50	Alum Stair Inner Extended Guardrail 2m x 3.07m	3.07	10'-1"	14.50	20	Rack

ALUMINUM STAIR OUTER GUARDRAIL						
PRODUCT		LENGTH		WEIGHT	PACKAGING	
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE
16.06.307.50	Alum Stair Outer Guardrail 2m x 3.07m	3.07	10'-1"	18.00	20	Rack



# ACCESS & EGRESS

## Stair/Access

### GUARDRAIL STANDARD/“CRAZY LEG”

Guardrail Standards are designed to serve as an intermediate guardrail to sit anywhere on the horizontal member of the deck level. The Guardrail Standard also provides an opening for Adjustable Swing Gates.

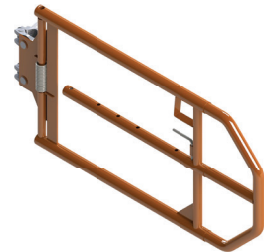
GUARDRAIL STANDARD/“CRAZY LEG”						
PRODUCT		HEIGHT		WEIGHT	PACKAGING	
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE
01.31.163.00	Guardrail Standard	1.5	5'-3"	8.32	70	Rack



### ADJUSTABLE SWING GATE

Adjustable Swing Gates are designed as safety gates, providing the necessary fall prevention for safe scaffold access. Adjustable Swing Gates adjust from 3'-1" - 4'-10" (948mm-1488mm).

ADJUSTABLE SWING GATE						
PRODUCT		WIDTH		WEIGHT	PACKAGING	
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE
10.01.200.50	Adjustable Swing Gate 21mm Nut	1.0	3'-3"	8.20	34	Rack

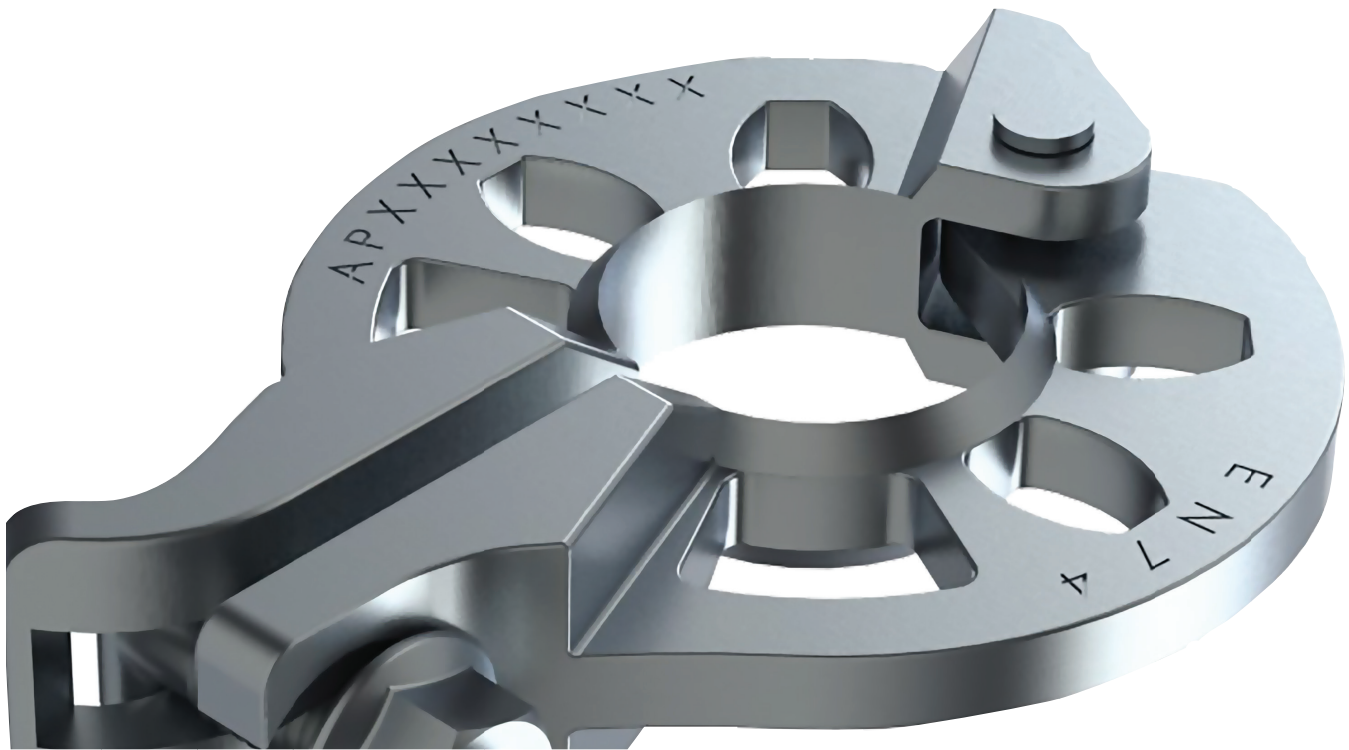


*\*\*Product Available in a Nut Size of 21mm (UK), 22mm (N. America) and 23mm (AUS)*



# ACCESSORIES

## Introduction



## INTRODUCTION

AT-PAC has a continually growing list of accessories for its major product lines, specifically its 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 analyzed by Professional Engineers and tested via recognized test laboratories, globally.

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

AT-PAC's Engineering department adopts the latest 3d design software and 3d printing capabilities in order to development 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

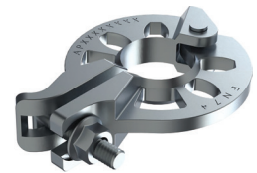
## Clamps/Leg Lock

### ROSETTE CLAMP

The Rosette Clamp is used to add a rosette at any point on a vertical Standard or tube. The Rosette Clamp allows up to six connection points where Ledgers or Diagonal Bay Braces can be connected to it.

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)*

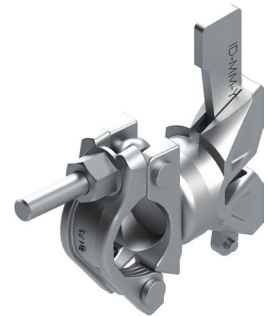


### SWIVEL ADAPTER CLAMP

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)*

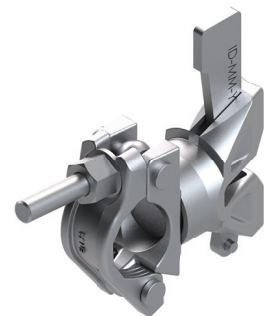


### RIGHT ANGLE ADAPTER CLAMP

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	METERS	FEET	KG	QTY	TYPE
01.28.000.00	Leg Lock (Suspended Scaffold)	0.50	1'-8"	3.66	268	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.

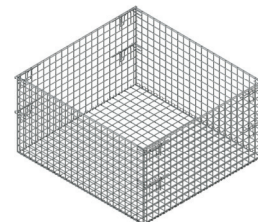
SCAFFOLD RACK						
PRODUCT		HEIGHT/DEPTH		WEIGHT		PACKAGING
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE
99.02.000.00	Scaffold Rack	0.77 x 1.1	2'-6" x 3'-7"	45.61	1	Rack



### SCAFFOLD CAGE INSERT

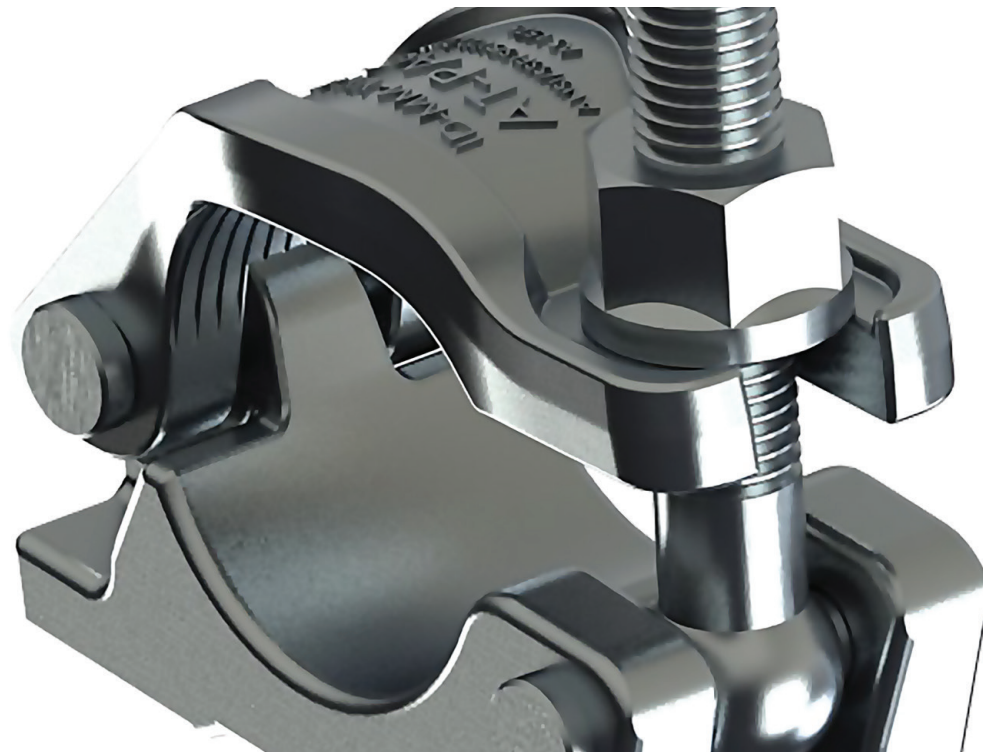
The Scaffold Cage Insert is designed to fit into the storage rack, to create the Basket for storage of smaller scaffold items such as clamps and accessories.

SCAFFOLD CAGE INSERT						
PRODUCT		HEIGHT/DEPTH		WEIGHT		PACKAGING
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE
99.01.000.00	Scaffold Cage Insert	0.55 x 1.0	1'-9" x 3'-3"	29.96	1	Insert



# TUBE & CLAMP

## Introduction



## INTRODUCTION

AT-PAC Tube & Clamp range of products are aimed at providing customers with tube and clamps of a broad range of types and sizes that can be used for any application, including with our AT-PAC Ringlock System.

A complete range of clamps is available, ranging from simple putlog clamps to robust beam clamps with either wedge or bolt fixings, depending upon the needs of the application and market. All of these clamps are manufactured to stringent quality specifications and go through rigorous testing and checking before being shipped to customers.

All clamps are tested to ANSI/SSFI, EN, BS and AS/NZS requirements, including the EN74-1 standard which is one of the world's most stringent clamp testing standard. Our wedge clamps are cold weather tested at -40 degrees Celsius in order for them to be certified to withstand the harsh Canadian winters.

AT-PAC also provides aluminum tubes for the Canadian market and these are made from high grade, thick wall aluminum extrusions. Whichever type of tube is required, they are all made to exacting specifications and are individually inspected for accuracy and compliance.

# TUBE & CLAMP

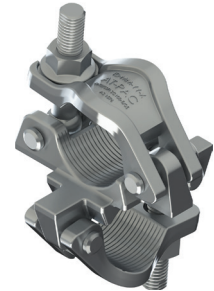
## Clamps

### RIGHT ANGLE CLAMP (I-BOLT)

Right Angle Clamp is designed to be used in conjunction with scaffold tube to create 90 degree angles.

RIGHT ANGLE CLAMP				
PRODUCT		WEIGHT	PACKAGING	
CODE	DESCRIPTION	KG	QTY	TYPE
04.01.202.50	Right Angle Clamp (I-Bolt)	1.48	500	Rack + Insert

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



### SWIVEL CLAMP (I-BOLT)

The Swivel Clamp is designed to be used in conjunction with scaffold tube to create a variety of angles.

SWIVEL CLAMP				
PRODUCT		WEIGHT	PACKAGING	
CODE	DESCRIPTION	KG	QTY	TYPE
04.02.202.50	Swivel Clamp (I-Bolt)	1.83	700	Rack + Insert



### BEAM CLAMP FORGED RIGID

The Rigid Beam Clamp is designed to, tie into or off of, to structural steel beams or for a more specialized design by hanging or suspending scaffold, creating 90 degree angles.

BEAM CLAMP RIGID				
PRODUCT		WEIGHT	PACKAGING	
CODE	DESCRIPTION	KG	QTY	TYPE
04.03.200.50	Beam Clamp Rigid	1.64	700	Rack + Insert

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



### SWIVEL BEAM CLAMP

The Swivel Beam Clamp is designed to, tie into or off of, to structural steel beams or for a more specialized design by hanging or suspending scaffold, creating 90 degree angles.

BEAM CLAMP SWIVEL				
PRODUCT		WEIGHT	PACKAGING	
CODE	DESCRIPTION	KG	QTY	TYPE
04.04.200.50	Beam Clamp Swivel	1.71	700	Rack + Insert

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



# TUBE & CLAMP

## Tube

### STEEL TUBE WITHOUT FITTING 3.2mm

Steel Tube Without Fittings are designed to be used in conjunction with bolt clamps to create a versatile scaffolding system

STEEL TUBE WITHOUT FITTINGS 3.2mm						
PRODUCT		LENGTH		WEIGHT	PACKAGING	
CODE	DESCRIPTION	METERS	FEET	KG	QTY	TYPE
03.01.030.00	Steel Tube w/o Fittings	0.30	1'	1.03	720	Rack + Insert
03.01.060.00	Steel Tube w/o Fittings	0.60	2'	2.03	320	Rack + Insert
03.01.090.00	Steel Tube w/o Fittings	0.90	3'	3.02	260	Rack + Insert
03.01.120.00	Steel Tube w/o Fittings	1.20	4'	4.12	37	Bundle
03.01.150.00	Steel Tube w/o Fittings	1.50	5'	5.17	37	Bundle
03.01.180.00	Steel Tube w/o Fittings	1.80	6'	6.30	37	Bundle
03.01.210.00	Steel Tube w/o Fittings	2.10	7'	7.25	37	Bundle
03.01.240.00	Steel Tube w/o Fittings	2.40	8'	8.05	37	Bundle
03.01.270.00	Steel Tube w/o Fittings	2.70	9'	8.90	37	Bundle
03.01.300.00	Steel Tube w/o Fittings	3.00	10'	10.04	37	Bundle
03.01.330.00	Steel Tube w/o Fittings	3.30	11'	11.54	37	Bundle
03.01.360.00	Steel Tube w/o Fittings	3.60	12'	12.62	37	Bundle
03.01.390.00	Steel Tube w/o Fittings	3.90	13'	13.51	37	Bundle
03.01.420.00	Steel Tube w/o Fittings	4.20	14'	14.65	37	Bundle
03.01.450.00	Steel Tube w/o Fittings	4.50	15'	15.41	37	Bundle
03.01.480.00	Steel Tube w/o Fittings	4.80	16'	16.30	37	Bundle
03.01.510.00	Steel Tube w/o Fittings	5.10	17'	17.90	37	Bundle
03.01.540.00	Steel Tube w/o Fittings	5.40	18'	18.42	37	Bundle
03.01.570.00	Steel Tube w/o Fittings	5.70	19'	21.28	37	Bundle
03.01.600.00	Steel Tube w/o Fittings	6.00	20'	20.41	37	Bundle
03.01.640.00	Steel Tube w/o Fittings	6.40	21'	26.55	37	Bundle



# CERTIFICATIONS

## CERTIFICATE OF COMPLIANCE

### RINGLOCK SYSTEM SCAFFOLD

#### Assessment

The components in the RINGLOCK system scaffold described comply with the requirements of the following documentation:

Reference	Name
<i>BS EN 12810-1:2003</i>	<i>Facade scaffolds made of prefabricated components- Part 1: Product specifications</i>
<i>BS EN 12810-2:2003</i>	<i>Facade scaffolds made of prefabricated components- Part 2: Particular methods of structural design</i>
<i>BS EN 12811-1:2003</i>	<i>Temporary works equipment- Part 1: Scaffold- Performance requirements and general design</i>
<i>BS EN12811-2:2004</i>	<i>Temporary works equipment- Part 2: Information on materials</i>

*Issue date: 05/May/2014*

*Testing carried out by:*



*Assessing organisation*  
**rdg engineering**  
consulting engineers

*R D God*

*Receiving organisation*  
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COMPLETE SCAFFOLDING SOLUTIONS

Certificate number: 5092-01-09-102-01 (page 1 of 1)

# CERTIFICATIONS

## CERTIFICATE OF COMPLIANCE

### RINGLOCK ROSETTE CONNECTOR

#### Components covered by certificate

Code number	Name	Reference drawing
<i>(part of standard component)</i>	<i>RINGLOCK rosette connector and connecting parts</i>	<i>AP-334P-.01</i>

#### Assessment

The component(s) described above comply with the requirements of the following documentation:

Reference	Name
<i>BS EN 12810-1:2003</i>	<i>Façade scaffolds made of prefabricated components- Part 1: Product specifications</i>

**Issue date:** 25/May/2014

**Testing carried out by:**



**Assessing organisation**  
**rdg engineering**  
consulting engineers

*R D Ford*

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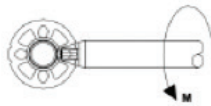
Certificate number: 5092-01-09-001-01 (page 1 of 2)



# CERTIFICATIONS

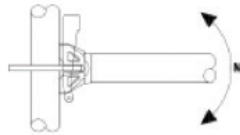
## COMPONENT CAPACITIES- SAFE WORKING LOADS

When RINGLOCK components are used together with components of a compatible system, all safe working loads are to be limited to the system with the lowest capacity.  
*Rotational moment*



$M = \pm 0.39 \text{ kNm}$

*Connection moment*



$M = \pm 1.05 \text{ kNm}$

*Direct force*



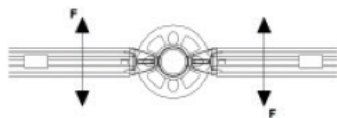
$F = \pm 23.9 \text{ kN}$

*Horizontal force (O-type)*



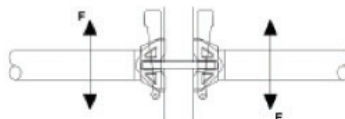
$F = \pm 10.80 \text{ kN}$

*Horizontal force (U-type)*



$F = \pm 3.95 \text{ kN}$

*Vertical force*



$F = \pm 18.5 \text{ kN}$

To accompany certificate number:  
5092-01-09-001-01 (page 2 of 2)

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# CERTIFICATIONS

## CERTIFICATE OF COMPLIANCE

### RINGLOCK SYSTEM SCAFFOLD DESIGNATION

#### Assessment

The RINGLOCK system scaffold system is designated as per the requirements of the following documentation:

Reference	Name
BS EN 12810-1:2003	Facade scaffolds made of prefabricated components- Part 1: Product specifications
BS EN 12811-1:2003	Temporary works equipment- Part 1: Scaffold- Performance requirements and general design

Issue date: 25/February/ 2015

Testing carried out by:



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COMPLETE SCAFFOLDING SOLUTIONS

Certificate number: 5092-01-09-103-01 (page 1 of 2)

# CERTIFICATIONS

When RINGLOCK components are used together with components of a compatible system, all safe working loads are to be limited to the system with the lowest capacity.

## *Scaffold designations:*

Scaffold EN 12810-1D-SW06/73-H1-B-LS  
Scaffold EN 12810-1D-SW06/109-H1-B-LS  
Scaffold EN 12810-1D-SW06/140-H1-B-LS  
Scaffold EN 12810-1D-SW06/157-H1-B-LS  
Scaffold EN 12810-1D-SW06/207-H1-B-LS  
Scaffold EN 12810-1D-SW06/257-H1-B-LS  
Scaffold EN 12810-1D-SW06/307-H1-B-LS

Scaffold EN 12810-1D-SW09/73-H1-B-LS  
Scaffold EN 12810-1D-SW09/109-H1-B-LS  
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Scaffold EN 12810-1D-SW09/257-H1-B-LS  
Scaffold EN 12810-1D-SW09/307-H1-B-LS

Scaffold EN 12810-1D-SW12/73-H1-B-LS  
Scaffold EN 12810-1D-SW12/109-H1-B-LS  
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Scaffold EN 12810-1D-SW12/307-H1-B-LS

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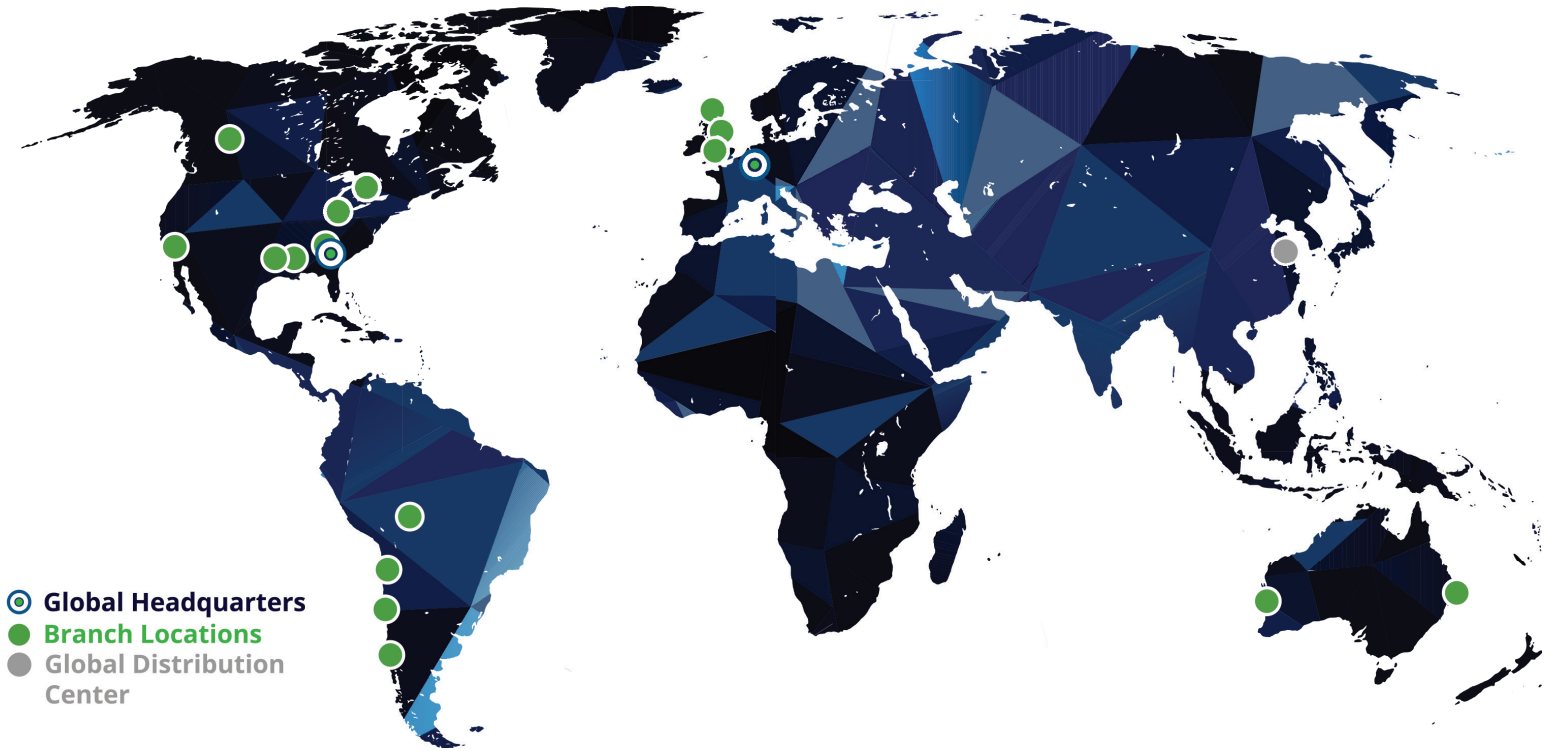


# NOTES





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### GLOBAL CORPORATE OFFICE:

10904 Crabapple Road | Roswell, GA | 30075 | USA  
Teléfono Principal: 678.505.3957 | Fax: 866.720.3307 | info@at-pac.com

### ADDITIONAL BRANCH OFFICES:

#### SANTIAGO

Lo Boza 393 | Pudahuel  
Santiago, CL

#### SOUTH AMERICA OFFICE

Avda. Cataluña 1172, Valle Escondido  
De Paicaví Oficina 409 | Valle Escondido  
Concepción, CL +56.41.2135615  
info@at-pac.cl

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