PZ ACCESS SCAFFOLD SYSTEMS

PAVLOS ZENONOS & SONS LTD CATALOGUE

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In today's world of critical timeframes, tight budgets, and of course ever higher safety standards, it is vital to choose an access scaffold system that ticks all the boxes. That's when PZ access scaffold products come to the fore.

PZ's precision-made modular scaffold systems — H-Frame, Cup-Lock, Ring-Lock and Aluminium — together with their comprehensive ranges of versatile and easy to use accessories deliver on all counts.

Each PZ system is designed for maximum performance under extreme situations. They are the key to the construction industry's ever more complex problems. They are quick to assemble, easy to disassemble, and it goes without saying that they are convenient to transport and store. In fact, they represent everything that an engineer or contractor needs to ensure on-site safety and performance.

All PZ access scaffold systems are made from either high quality steel or corrosion resistant aluminium, both of which will give countless years of dependable, virtually maintenance-free service.

Balconies and corners can be easily managed with standard H-Frame scaffold elements

PZ H-FRAME ACCESS SCAFFOLD

CAREFULLY DESIGNED FOR SAFE AND RELIABLE ASSEMBLY

PZ H-Frame access scaffold is an industry classic. It is quick to assemble while retaining critical attributes of reliability and durability. An extensive range of well-conceived components and accessories makes PZ H-Frame a truly versatile general-purpose access scaffold system.

Bolt-free assembly is based on 3mm precision-made steel frames with either our standard anti-slip steel decks or our innovative new lighter and more manageable steel decks. With just a few basic elements and assembly tasks, PZ H-Frame provides a quickly built, secure structure for any access scaffold requirement.

Strong, Safe and Highly Adaptable

- Flexible and Versatile: Very adaptable and extendable, including two heights and two lengths, for countless configuration possibilities.
- Well-Designed Components: Limited number of practical components makes PZ H-Frame a natural choice for virtually any application.
- Fast: Boltless system with simplicity of assembly and disassembly.
- Strong and Safe: Delivers high rigidity for maximum safety.
- Inbuilt Quality: Complies with DIN EN12810 and DIN EN12811.

Financially Viable

- Super-fast assembly and disassembly reduce labour costs.
- Small number of components reduces inventory requirements.
- Quality manufacture means long working life.
- Economically priced for maximum return on investment.
- Pre-used, ex-hire, H-Frame components always available.

An All-Round Top Performer

With its fast, easy-to-handle, bolt-free design, PZ H-Frame provides a safe and secure foundation for any construction job.

70m high scaffold

PZ H-FRAME ACCESS SCAFFOLD

70m high scaffold

H-Frame and hanging scaffolds effectively complement the project's access requirements

Several heavy duty materials access platforms were effectively deployed and re-deployed

H-Frame scaffold elements can easily manage access needs on complex structures

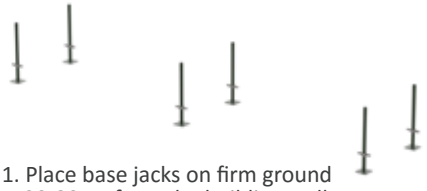
Standard H-Frame access scaffold.

H-Frame scaffold used over the entire building

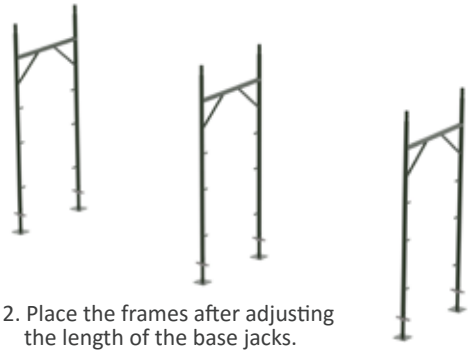
Material hoist in conjunction with H-Frame scaffold

QUICK ASSEMBLY STEPS

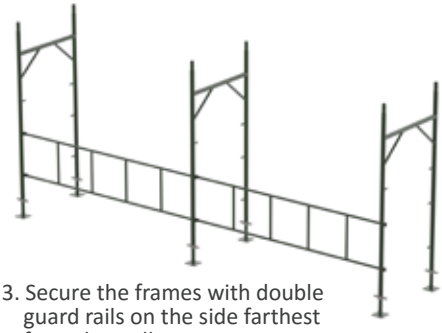
Operatives should always conform to safety regulations by wearing safety helmets and belts.



1. Place base jacks on firm ground 20-30cm from the building wall.



2. Place the frames after adjusting the length of the base jacks.



3. Secure the frames with double guard rails on the side farthest from the wall.

4. Place a single guard rail close to the wall, then place deck platforms.

5. Place an internal ladder to access the next working level.

6.

7.

8.

9.

10.

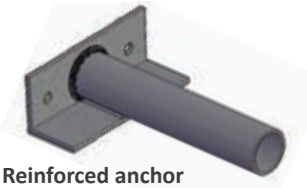
6 - 10. Continue the same process until intended height and length are reached. Operatives should always follow safety regulations and always wear safety helmets and belts.

SCAFFOLD ANCHORS

PZ provides reliable and flexible solutions to satisfy any requirement.

Standard anchor
The 48.3mm tube is attached on the scaffold frame with a right angle coupler and secured on the facade by an L-bolt.

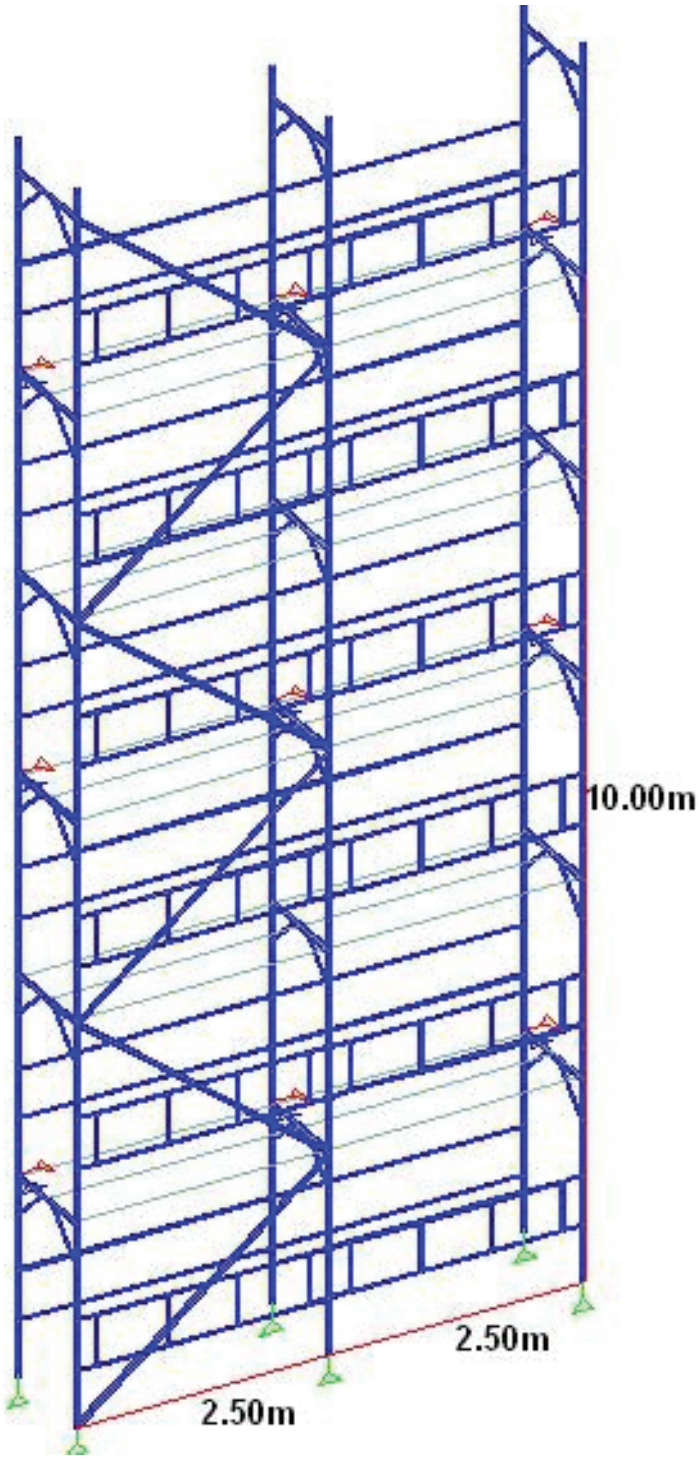
End-flange anchor
Sleeve anchor nuts set through the flange secure the anchor.



Reinforced anchor
The reinforced version secured on facades with 2 sleeve anchor nuts.

Detachable anchor
Suitable for placing on exterior wall facings such as granite.

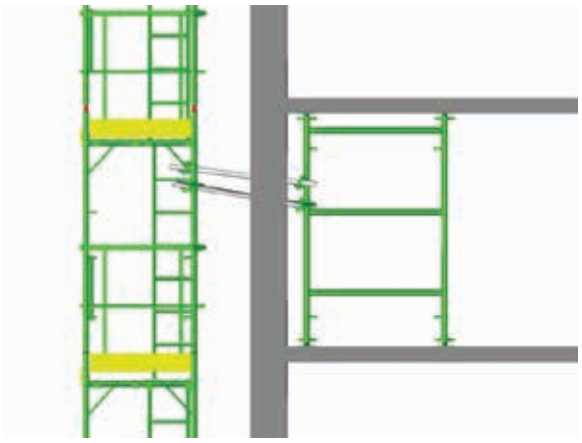
ANCHOR POSITIONING

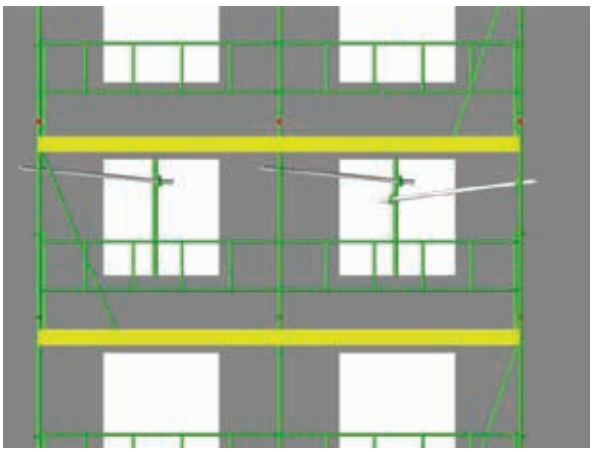


Anchor pattern on a 5x10m scaffold. Operatives should always refer to the manufacturer's manual for anchor and diagonal support placement according to the intended scaffold measurements.

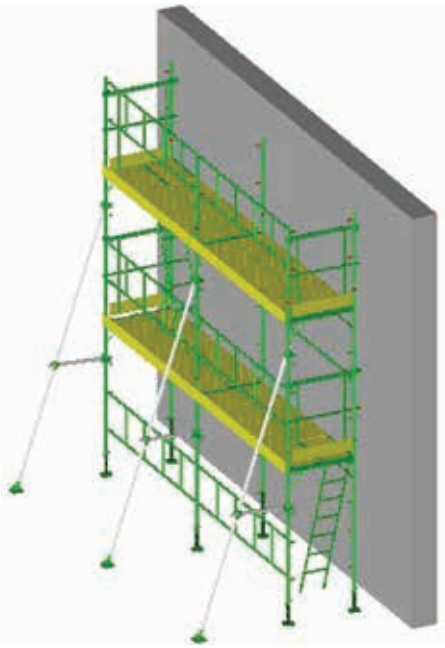
SOLUTIONS FOR EVERY CONTINGENCY

ALTERNATIVE SCAFFOLD ANCHORS



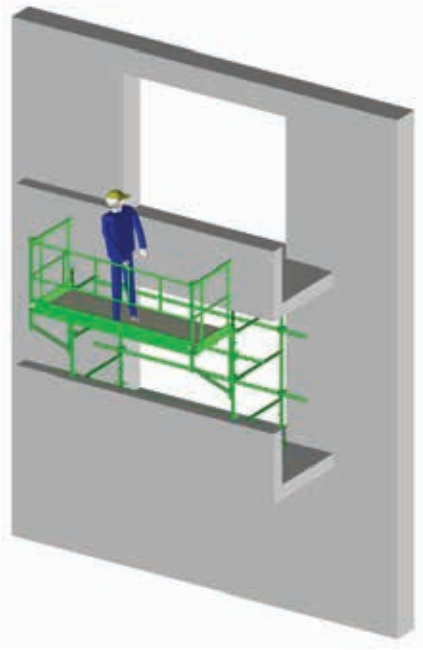


Alternative method of securing a scaffold in cases where the facade cannot be drilled because of windows or other obstructions. Anchor tubes connect the scaffold with secured support frames within the structure.

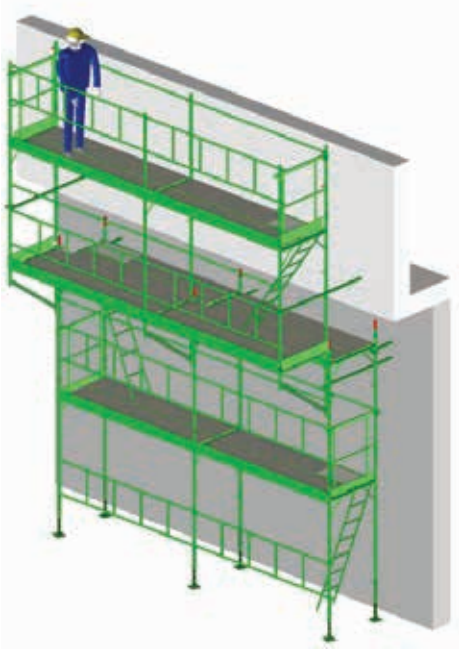


In cases where the structure's facade is either weak or it cannot be drilled (for instance during restoration of historical buildings or a weak wall), diagonal tubes provide the necessary support in lieu of drilled anchors. The configuration of the diagonal support tubes depends on the height of the scaffold.

NON-LINEAR VERTICAL FACADES

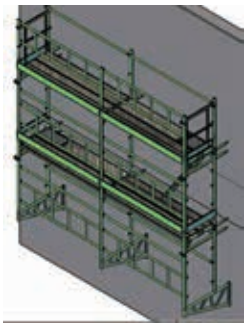


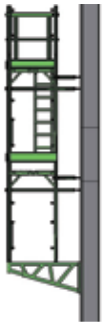
Midway scaffold deployment in the case of a protruded wall section - extension brackets attached to the scaffold.

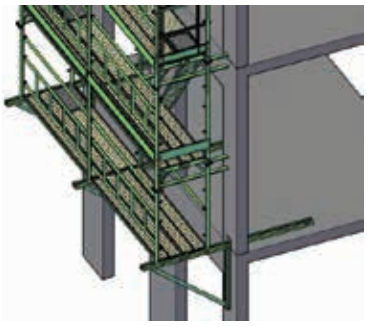


Extension brackets attached to the scaffold deployed from ground level.

EXTENSION BRACKETS ATTACHED ON FACADES



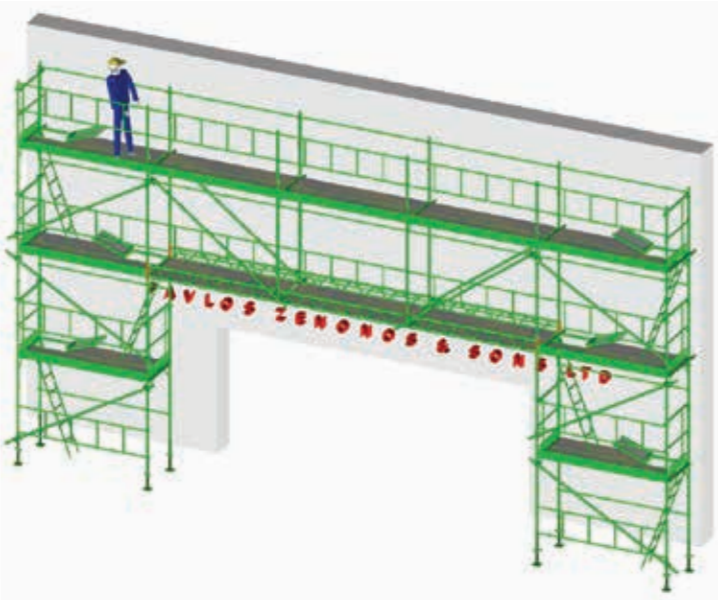




Midway scaffold deployment supported by extension brackets attached to the facade. Tie rods & wing nuts secure the brackets. Heavy-duty extension brackets provide the necessary support for high scaffold sections.

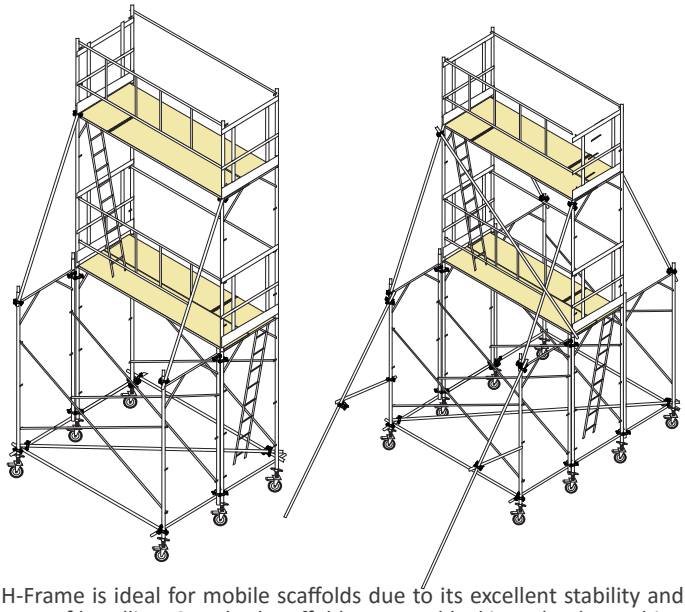
Extension bracket

BRIDGE SECTIONS



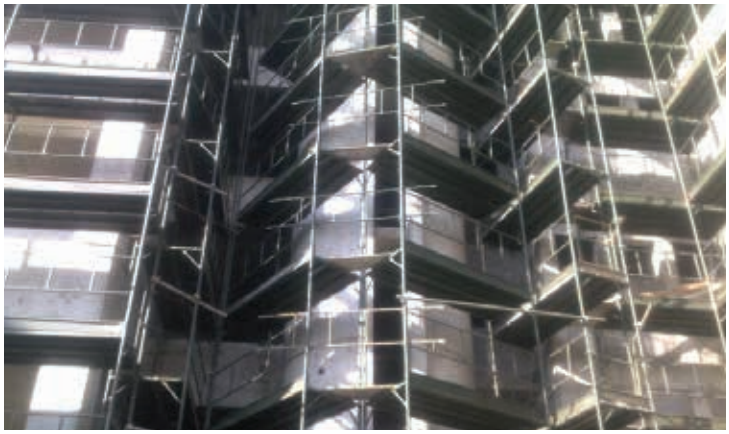
Two scaffold sections may be connected using a bridge module where the structure has wide obstructions on its surface such as windows and doors. 3.70m, 5.0m and 7.0m bridge girders are available.

MOBILE SCAFFOLDS



H-Frame is ideal for mobile scaffolds due to its excellent stability and ease of handling. Standard scaffold parts and locking wheels combine to provide safe and effective mobile solutions. Configurations are possible up to 4.0m high and are perfect for use in hangars or warehouses, and for a building facade.

SIMPLE AND SAFE ACCESS SOLUTIONS



Simplicity of design and minimal parts accelerate erection time yet provide great flexibility and reliable access solutions.

ACCESSORIES

Plastic rubbish disposal chutes
A quick and efficient method of rubbish disposal for any construction site. Strong polypropylene sections are connected vertically by chains and attached to the scaffold exterior.

Protective nets
High-tensile polyester nets are available in several sizes to ensure complete coverage of any building.

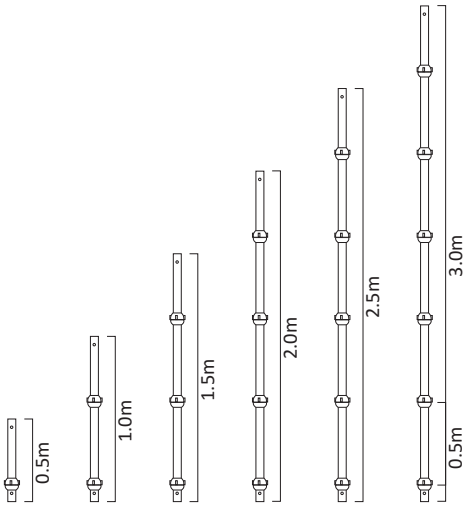
PZ CUP-LOCK ACCESS SCAFFOLD

SIMPLE, QUICK AND VERSATILE

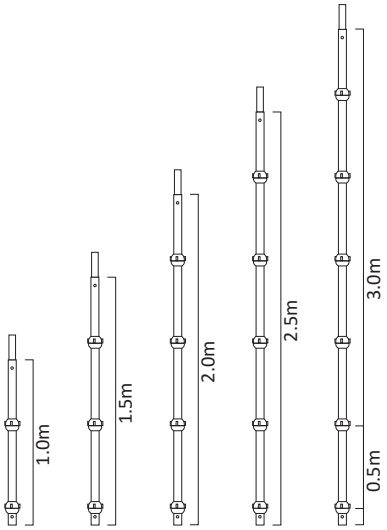
PZ Cup-Lock access scaffold is truly versatile and durable and is ideal for both straight and curved structural profiles. It is one of the most efficient access systems available.

Manufactured to the highest precision, Cup-Lock combines simplicity with safety, whilst being realistically economical. Its unique connection system enables the scaffold to be erected at a faster rate than other scaffold systems, and it is also much quicker to strike and dismantle. The limited number of components means that there are fewer parts to get lost, and time can be saved.

All elements are engineered from high-quality steel, enabling any configuration to perform to its maximum load and height specifications — the system's strength-to-weight ratio gives sufficient strength without unnecessary weight. The system components and accessories are easy to handle at all stages including storage and transport.



PLAIN STANDARDS Ø 48.3 x 3.0mm



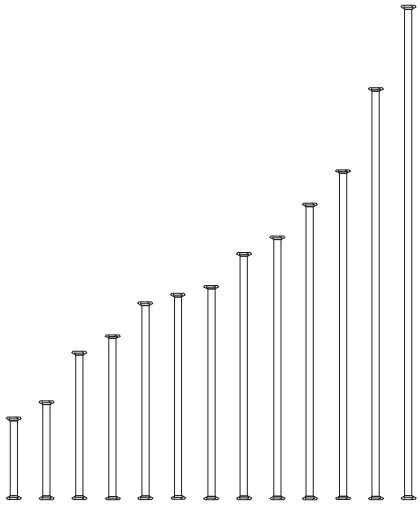
STANDARDS WITH SPIGOTS Ø 48.3 x 3.0mm

High Quality System Means a Cost Effective Investment

- Exceptional strength-to-weight ratio means extra security and reliability.
- Limited number of components reduces inventory and controls costs.
- Precision manufactured for a long working life.
- High quality components speed assembly and end of job striking.
- Rigid and safe at maximum heights and workloads.
- Fully complies with DIN EN12810 and DIN EN12811.

The Ideal System

- Fast, boltless system for rapid construction.
- Carefully designed components for precise assembly.
- Manufactured to strict quality standards.
- Well-priced solution for an excellent return on investment.



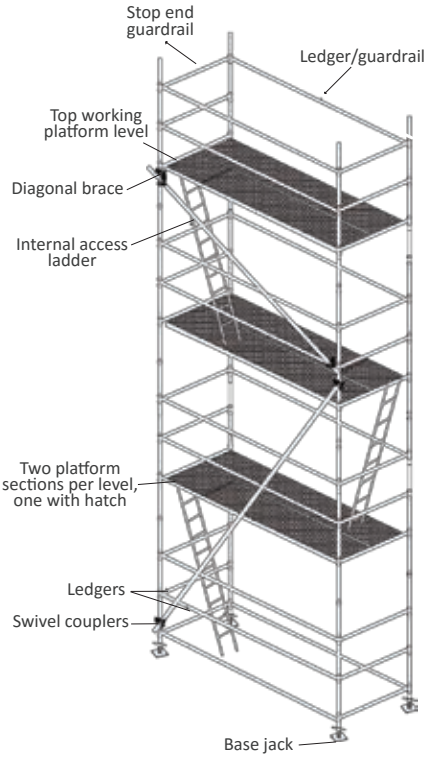
LEDGERS Ø 48.3 x 3.0mm

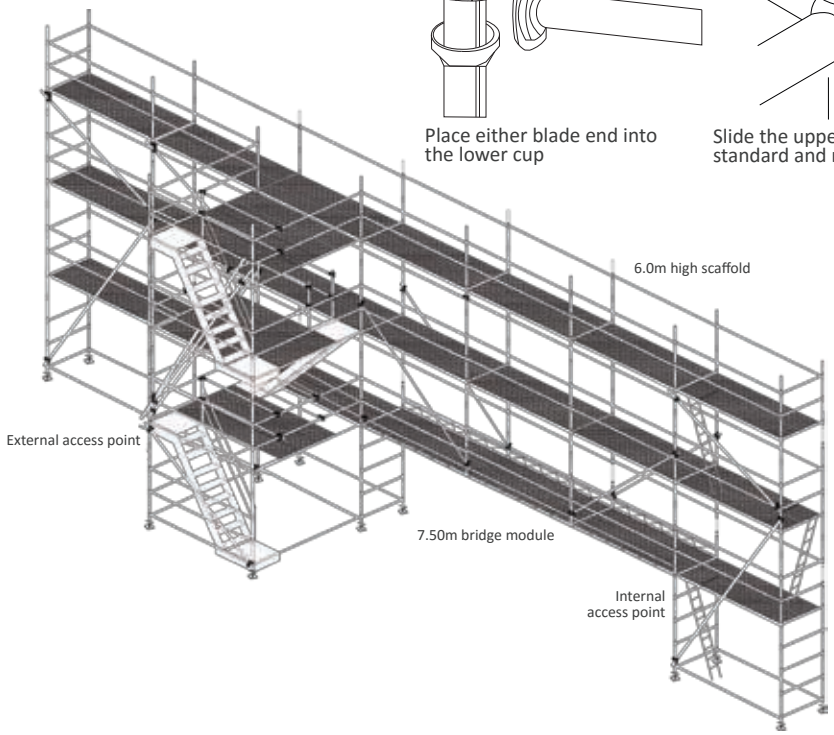
Ledgers range from 500 to 3000mm, providing a great degree of flexibility in scaffold configurations.

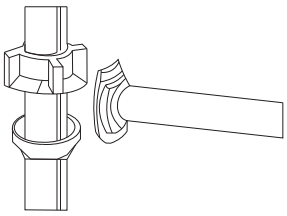
When Maximum Performance is Vital

PZ Cup-Lock is a well-proven, multipurpose access system that is at home in any construction or civil engineering project, and where strength and versatility are essential.

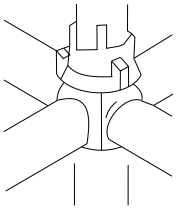
QUICK, VERSATILE CUP-LOCK ACTION







Place either blade end into the lower cup

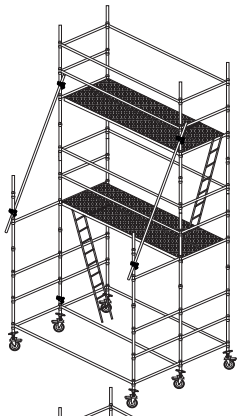


Slide the upper cup down the standard and rotate until secure.

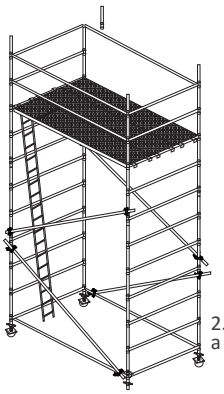
Bridge section with external access tower. External staircase points provide safe and quick access to the working platforms. The staircase can be height-adjusted easily and speedily.

MOBILE CUP-LOCK SCAFFOLDS

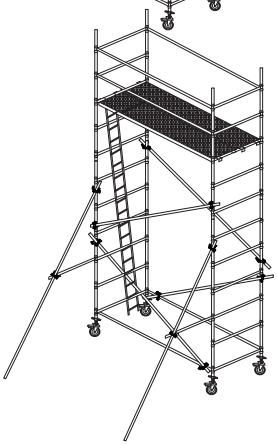
Cup-Lock is ideal for mobile scaffolds as it allows greater flexibility in providing stable mobile scaffold solutions using standard parts plus wheels.



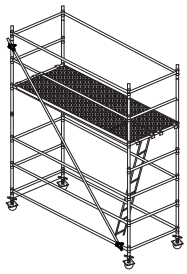
2.5 x 2.5 x 4.0m with working platforms every 2.0m



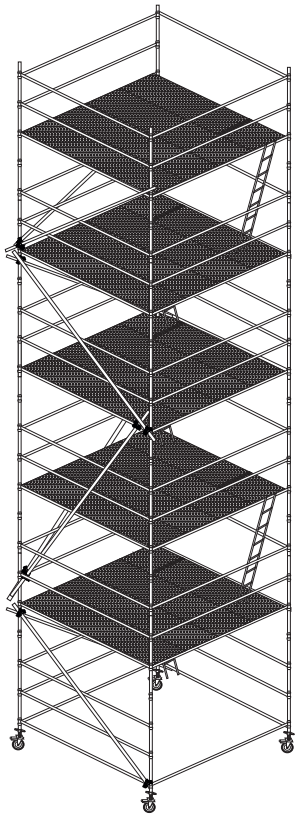
2.5 x 1.5 x 4.0m with a working platform at 4.0m



2.5 x 1.0 x 4.0m with a working platform at 4.0m



2.5 x 1.0 x 2.0m



2.5 x 2.5 x 10.0m mobile scaffold - working platforms every 2.0m

ERECTION PROCEDURE

Commence the erection by placing relevant components in their approximate locations. Operatives should always follow safety regulations and always wear safety helmets and belts.

1. Place base jacks on firm ground 20-30cm from the building wall. Use planks under base plates to help distribute the loads onto the ground. Insert vertical standard into the base jack.

2. Repeat this procedure for all four corners of the initial bay and use ledgers/transoms to connect the uprights. Level the base structure using a spirit level; adjusting by rotating the wing nut on the base jack. To lock the ledgers in place rotate the top cup at each connection using a hammer.

3. Continue the construction of the first lift, securing all ledgers and transoms.

4. A diagonal or face brace should be attached at every 5th bay to provide stability — more may be required as defined by the design.

5. Place platforms and internal ladder to access next level. After the first lift has been completed, further heights can be assembled. Before commencing additional lifts, side protection (like guardrails) must be installed.

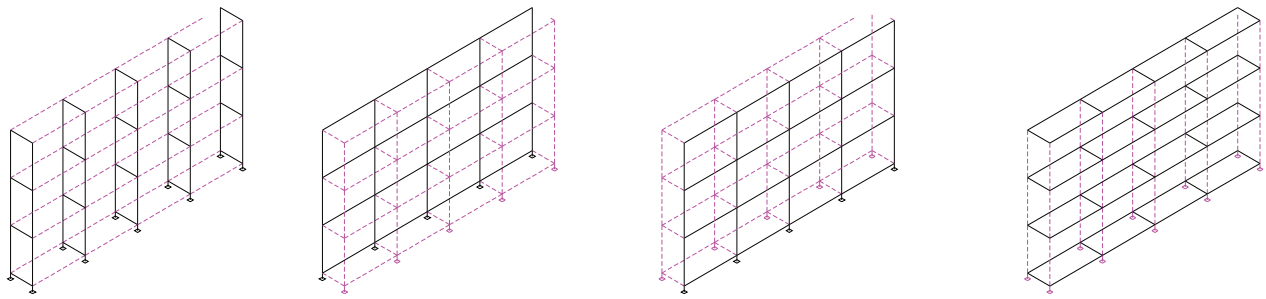
6. Continue the same process until intended height and length are reached. At the top of the Cup-Lock standard insert deck adaptors and ledgers.

7. The structure should be securely affixed to the building facade - this happens at the second lift and at similarly regular upward levels as the scaffold structure rises. Every row of standards must be fixed to the facade.

ANCHORING AND BRACING

Free-standing scaffold constructions are inherently unstable because they are made up from a number of interconnected individual components. Therefore every structure needs to be securely anchored to a solid facade. So as to create a stable structure, the scaffold must be made rigid and safe by utilizing specially-designed additional components.
Specifically, facade scaffold structures must be stabilized in these four situations:

a) Scaffold sections perpendicular to the facade
b) Scaffold inner sections, parallel to the facade
c) Scaffold outer sections, parallel to the facade
d) Horizontal sections of the scaffold



a b c d

For the stabilization of sections a) and b) anchors are used, for section c) vertical braces are used, and for section d) platforms or horizontal braces are used.

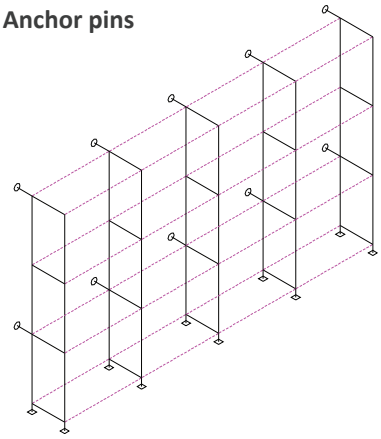
ANCHORING

For the stabilization of scaffold structures that are perpendicular to a facade, anchor pins are used, and these must be secured to every row of standards. The anchor pins create overall stability (preventing the scaffold from falling over), and local stability (reducing the risk of buckling of the verticals).

Wall anchors are connected to the upper sections of the frame approximately 0-10cm from the platform. They are attached to the standard using right-angle couplers (in special situations swivel couplers can be used). The anchor is bolted to the facade.

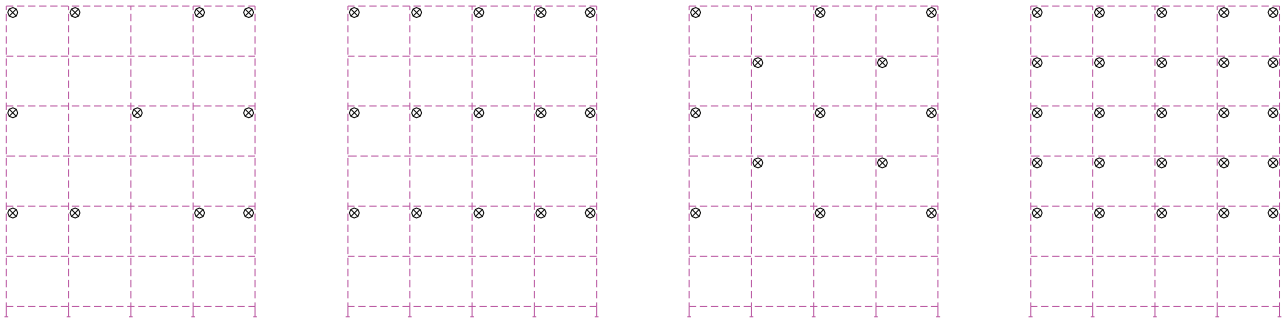
Note: Make certain that the anchor pins and the ground anchors are capable of taking the designated loads of the finished scaffold construction. The loads need to be established by calculation.

Anchor pins



The number of anchor pins required must be accurately calculated, or must conform to a standard configuration. Anchor pins need to be positioned symmetrically in a regular pattern over the scaffold. Depending on the number of anchor pins required there are 4 typical layouts that can be used.

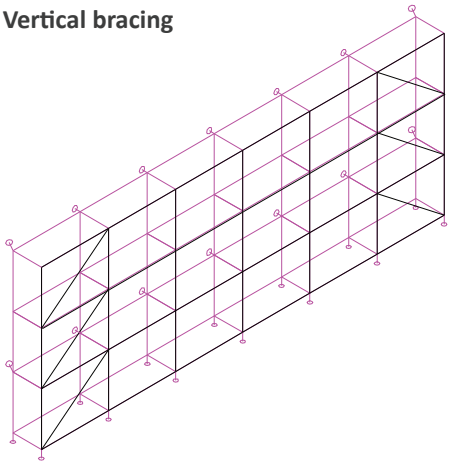
Anchoring Pattern



BRACING

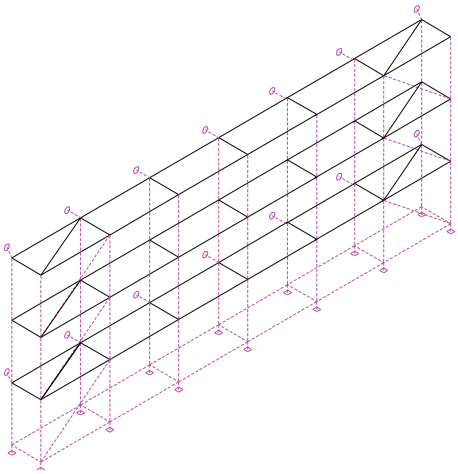
When stabilizing the outer faces of the scaffold (that are parallel and perpendicular to the facade), vertical braces are used. Vertical braces are installed in at least every 5th bay on every lift, and in every end bay that is perpendicular to the facade.

Vertical bracing



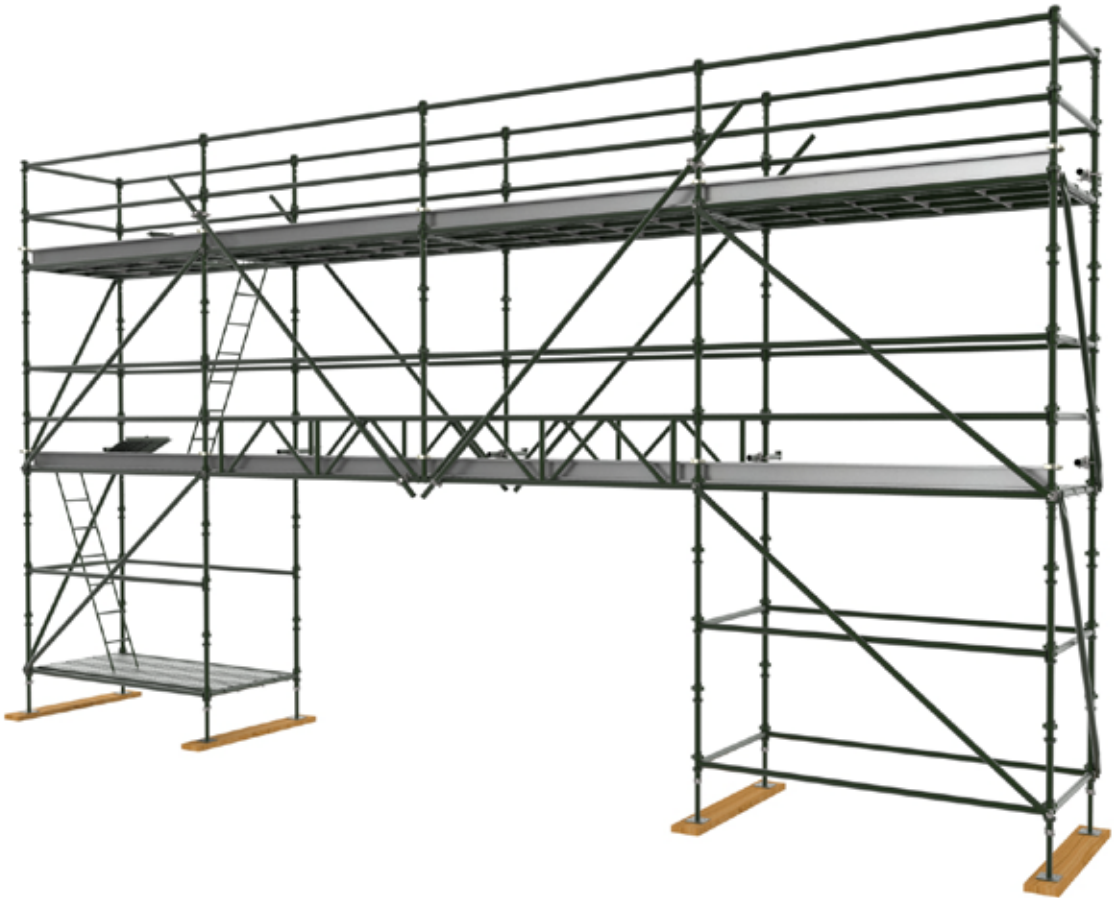
Horizontal sections of the scaffold should be stabilized by either steel decks or, in the case of platforms using wooden boards, by horizontal braces. These horizontal braces need to be placed in at least every 5th bay on every lift.

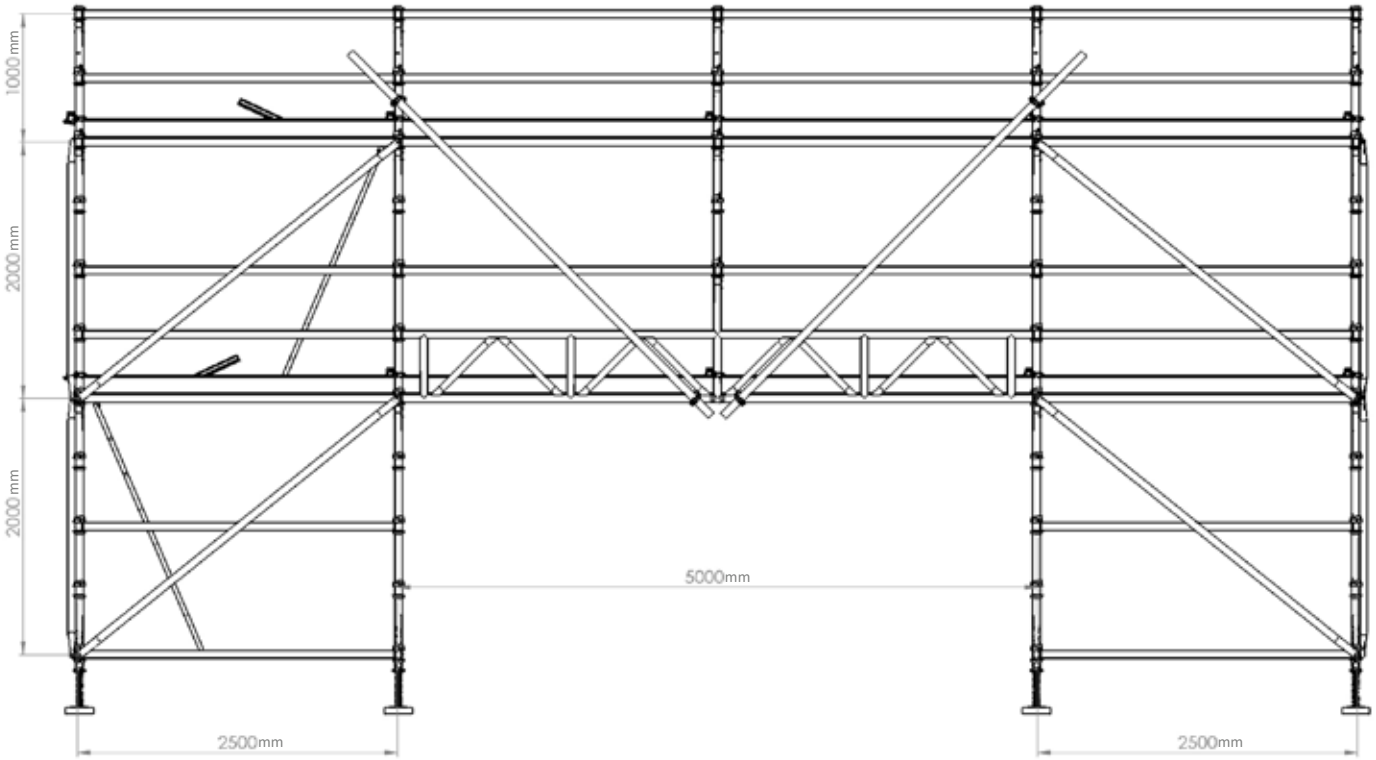
Horizontal bracing when using wooden platforms



BRIDGING SOLUTIONS

In situations where underpasses are required, Cup-Lock can be configured to create a bridging construction using standard Cup-Lock components like the base collar, standards and diagonals. The bays adjacent to the bridging construction must be stiffened using Cup-Lock diagonals.





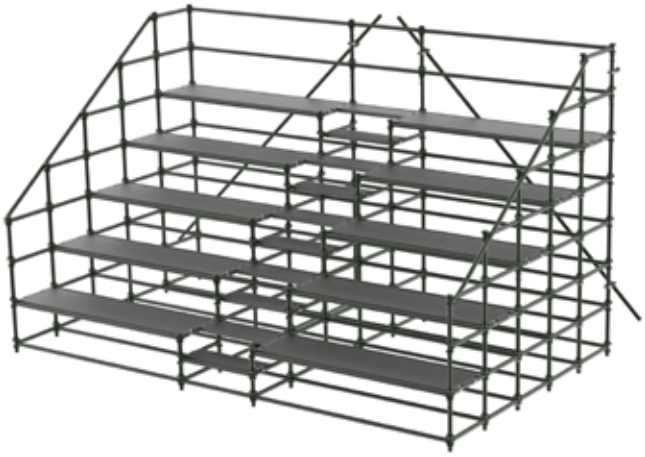
PLATFORM EXTENSION

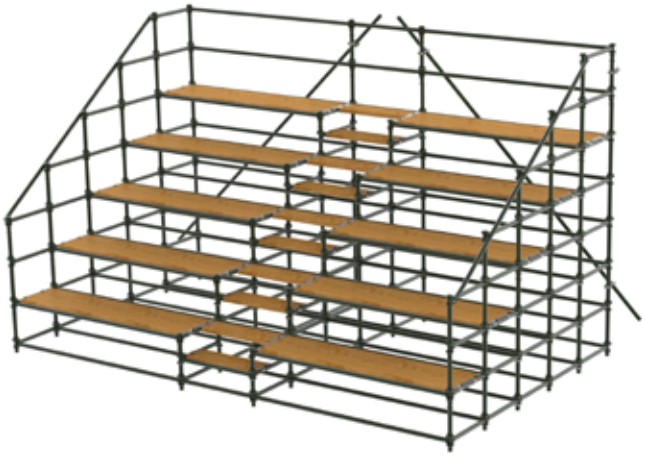
By using cantilevered side brackets, it is possible to extend the working area and/or to fill gaps between the scaffold and the actual building.

Side brackets are available in different widths (for 1, 2 & 3 platform sections).
Side brackets are connected to standards by affixing the welded wedge-head of the bracket on the standard rosette. After hammering the wedge in place, the scaffold becomes strong and secure, and able to take up loads.
When using side brackets to create a wider working platform it is vital that the steel decks on the side brackets have at least the same load capacity as the steel decks on the main floor.

TIER SYSTEM

Customizable to almost any requirement, the PZ Tier System uses Cup-Lock parts and platforms to deliver functional and safe tiered seating structures. Multiple levels and sections, including seat and stair sections, can be combined to meet specific needs.





ACCESS TO THE CUP-LOCK SCAFFOLD

Working access to a Cup-Lock structure can be achieved through two optional solutions:
1) Using aluminium or steel ladders and platforms with hatches
2) Using aluminium staircases

ACCESS BY LADDER AND PLATFORM

By installing aluminium or steel platforms with hinged hatches, and using an integrated aluminium ladder it is easy to access higher lifts. Maximum safe working load for this platform is 200kg/m2 (EN12811-Class 3)

ACCESS BY STAIRCASE

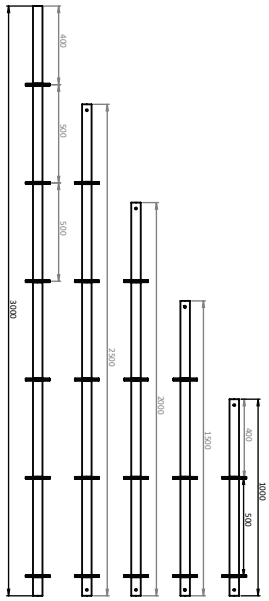
The second option for accessing higher lifts is to construct a separate stair tower within the scaffold structure. This is an extra bay measuring 1.4 x 2.0m adjacent to an access bay in the scaffold. Stairs are positioned in alternating directions.

PZ RING-LOCK ACCESS SCAFFOLD

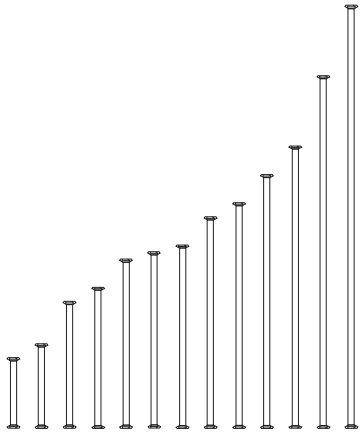
ENGINEERED TO BE SAFER TO ERECT AND SAFER TO USE

Based on a cleverly designed rosette, PZ Ring-Lock access scaffold utilises high-strength steel modular components that are precision manufactured to exacting standards. Designed and made to deliver outstanding versatility, durability and strength, Ring-Lock offers virtually unlimited angular adjustment and design, making it the natural choice for projects that include straight configurations, as well as triangular, polygonal, or curved scaffold requirements.

The system is very cost effective and outperforms the competition by virtually eliminating all time-consuming layout procedures. It is quick to assemble and extremely accurate due to the precise manufacture and the rosette slot pattern. Components and accessories are easy to handle and the entire structure can be quickly and safely dismantled at the end of the job.



PLAIN STANDARDS Ø 48.3 x 3.0mm



LEDGERS Ø 48.3 x 3.0mm
Ledgers range from 500 to 3000mm, providing a great degree of flexibility in scaffold configurations.

Incredible Adaptability
- Offers virtually unlimited angular adjustment and design.
- Limited components for cost-effective inventory holdings.
- Optimised strength for maximum loads.
- Simple, easy-to-use design enhances safety during erection, use, and disassembly.
- Strong, secure connections ensure joint stability.
- Fully complies with DIN EN12810 and DIN EN12811.

The Fast and Safe System
- Outstanding performance and durability.
- Precision cast components and high-grade steel rosettes.
- Boltless system makes it quickly relocatable.
- Low labour costs due to its simplicity of assembly.
- Manufactured to strict quality standards.
- The perfect choice when cost and performance are essential.

Quality is at the Top of the List
Quality ranks number one at PZ: for materials, price, performance, production, capacity, delivery and service. Using PZ Ring-Lock will help to make any operation more productive and more profitable.

ERECTION PROCEDURE

Commence the erection by placing relevant components in their approximate locations.

1. Fit a base collar on the base jack. Use planks under base plates to help distribute the loads onto the ground. Repeat this procedure for all four corners of the initial bay.

2. Use ledgers and transoms to connect the uprights. Starting at the highest point of the ground, level the base using a spirit level and by adjusting the wing nut on the base jack. Lock all of the wedges in place by using a hammer.

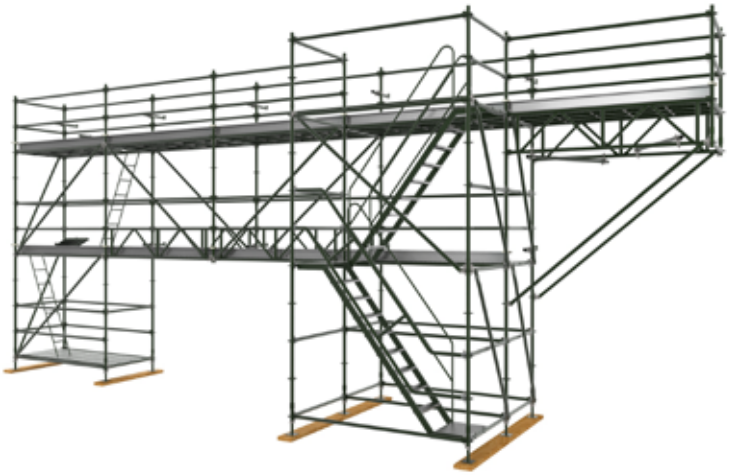
3. Insert vertical standards into the base jacks.

3. Continue the construction of the first lift, securing all ledgers and transoms.

4. A diagonal or face brace should be attached at every 5th bay to provide stability — more may be required as defined by the design.

5. Place platforms and internal ladder to access next level.

6. Continue the same process until intended height and length are reached. Before commencing additional lifts, side protection (like guardrails) must be installed.

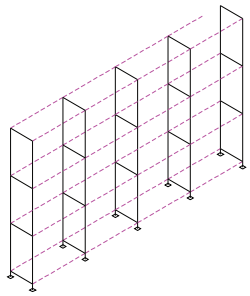


7. The structure should be securely affixed to the building facade - this happens at the second lift and at similarly regular upward levels as the scaffold structure rises. Every row of standards must be fixed to the facade.

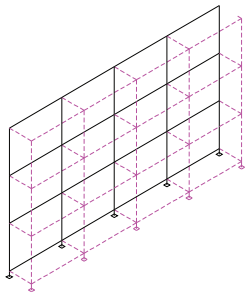
ANCHORING AND BRACING

Free-standing scaffold constructions are inherently unstable because they are made up from a number of interconnected individual components. Therefore every structure needs to be securely anchored to a solid facade. So as to create a stable structure, the scaffold must be made rigid and safe by utilizing specially-designed additional components.
Specifically, facade scaffold structures must be stabilized in these four situations:

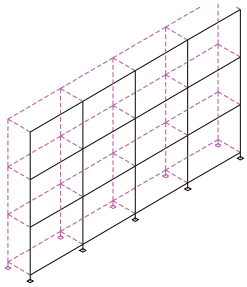
a) Scaffold sections perpendicular to the facade
b) Scaffold inner sections, parallel to the facade
c) Scaffold outer sections, parallel to the facade
d) Horizontal sections of the scaffold



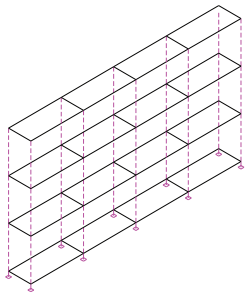
a



b



c



d

For the stabilization of sections a) and b) anchors are used, for section c) vertical braces are used, and for section d) platforms or horizontal braces are used.

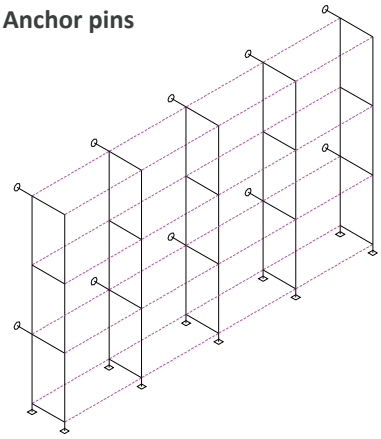
ANCHORING

For the stabilization of scaffold structures that are perpendicular to a facade, anchor pins are used, and these must be secured to every row of standards. The anchor pins create overall stability (preventing the scaffold from falling over), and local stability (reducing the risk of buckling of the verticals).

Wall anchors are connected to the upper sections of the frame approximately 0-10cm from the platform. They are attached to the standard using right-angle couplers (in special situations swivel couplers can be used). The anchor is bolted to the facade.

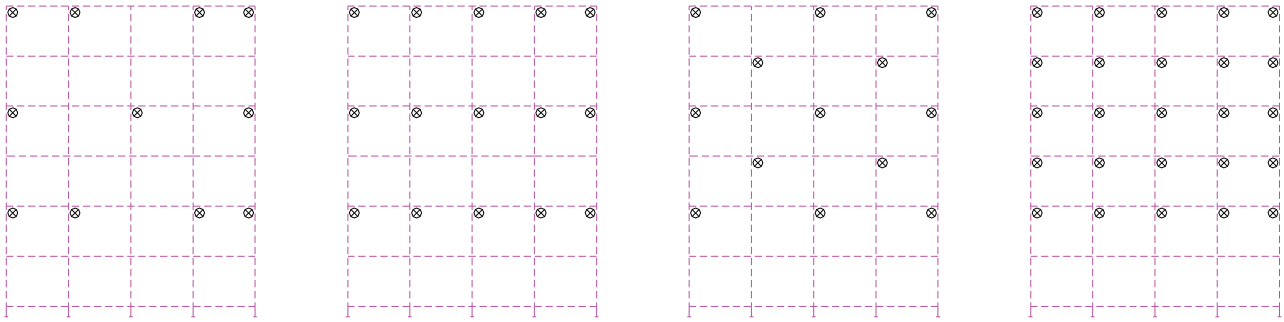
Note: Make certain that the anchor pins and the ground anchors are capable of taking the designated loads of the finished scaffold construction. The loads need to be established by calculation.

Anchor pins



The number of anchor pins required must be accurately calculated, or must conform to a standard configuration. Anchor pins need to be positioned symmetrically in a regular pattern over the scaffold. Depending on the number of anchor pins required there are 4 typical layouts that can be used.

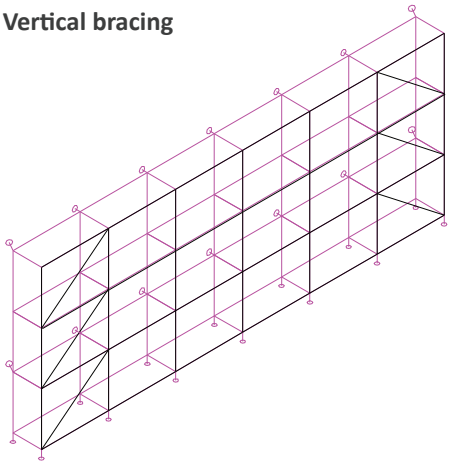
Anchoring Pattern



BRACING

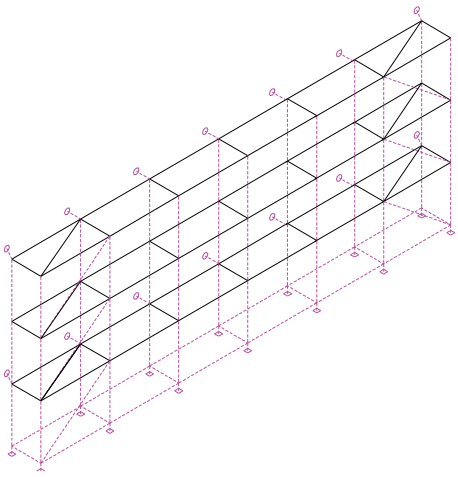
When stabilizing the outer faces of the scaffold (that are parallel and perpendicular to the facade), vertical braces are used. Vertical braces are installed in at least every 5th bay on every lift, and in every end bay that is perpendicular to the facade.

Vertical bracing



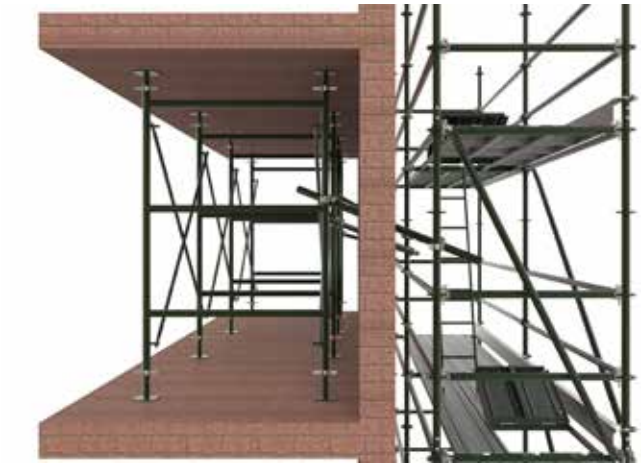
Horizontal sections of the scaffold should be stabilized by either steel decks or, in the case of platforms using wooden boards, by horizontal braces. These horizontal braces need to be placed in at least every 5th bay on every lift.

Horizontal bracing when using wooden platforms

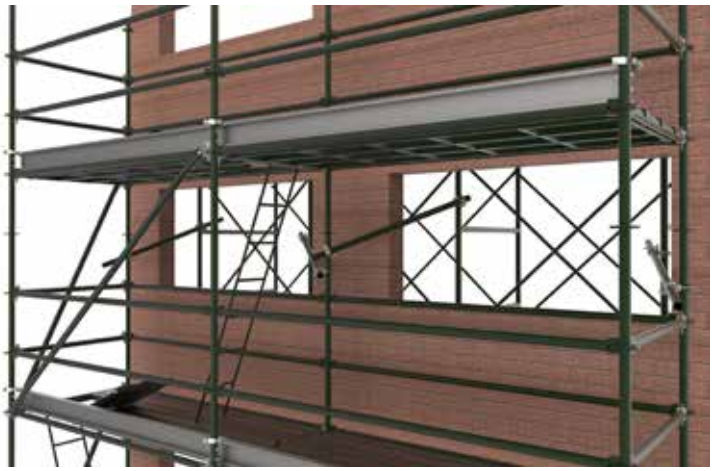


ANCHORING SYSTEM FOR WALL MATERIALS WITH UNKNOWN CHARACTERISTICS (SOFT/WEAK WALLS)

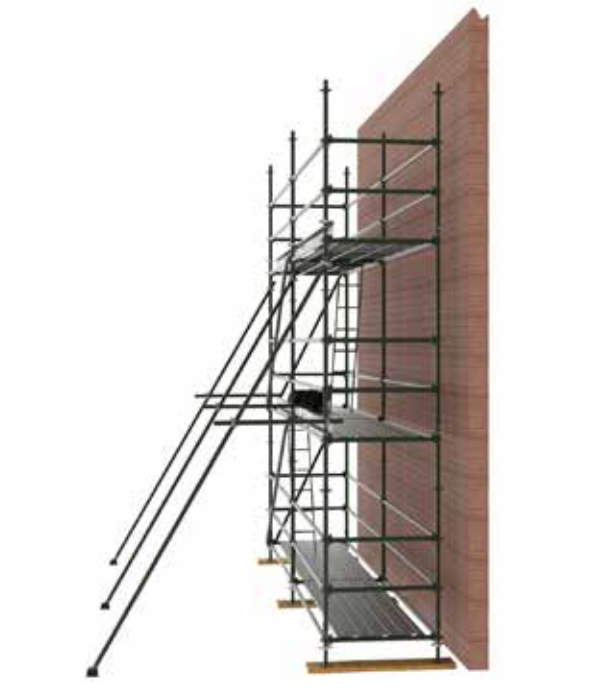
In these circumstances (where safety issues cannot be determined), wall anchors are not affixed to the facade but to a metal frame that is erected on the other side of the wall (Pic A) and inside a window opening (Pic B.). Other situations may require scaffold to be anchored using additional reinforcing steel tubes (Pics C & D) and right angle or swivel couplers to create a rigid and stabilized scaffold structure without touching the facade of the building. Recommended working height in these situations is 15 meters.



Pic A. Side view frame anchoring system



Pic B. Front view anchoring system

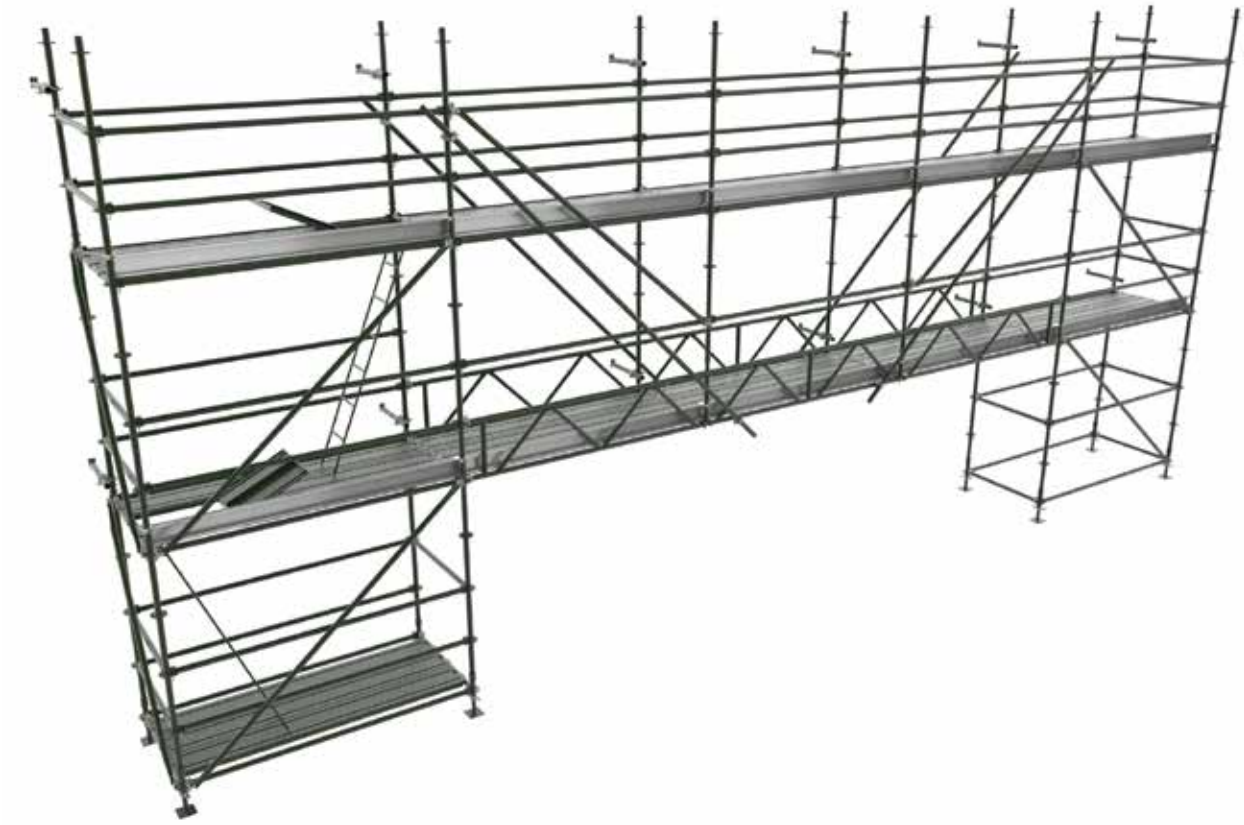


Pic C. Side view frame anchoring system with additional reinforcing steel tubes

Pic D. 3D view

BRIDGING SOLUTIONS

In situations where underpasses are required, Ring-Lock can be configured to create a bridging construction using standard Ring-Lock components such as base collars, standards and diagonals. The bays adjacent to the bridging construction must be stiffened using Ring-Lock diagonals.



PLATFORM EXTENSION

By using cantilevered side brackets, it is possible to extend the working area and/or to fill gaps between the scaffold and the actual building.

Side brackets are available in different widths (for 1, 2 & 3 platform sections).
Side brackets are connected to standards by affixing the welded wedge-head of the bracket on the standard rosette. After hammering the wedge in place, the scaffold becomes strong and secure, and able to take up loads.
When using side brackets to create a wider working platform it is vital that the steel decks on the side brackets have at least the same load capacity as the steel decks on the main floor.

ACCESS TO THE RING-LOCK SCAFFOLD

Working access to a Ring-Lock structure can be achieved through two optional solutions:
1) Using aluminium or steel ladders and platforms with hatches
2) Using aluminium staircases

ACCESS BY LADDER AND PLATFORM

By installing aluminium or steel platforms with hinged hatches and by using an integrated aluminium ladder it is easy to access higher lifts. Maximum safe working load for this platform is 200 kg/m2 (EN12811-Class 3)

ACCESS BY STAIRCASE

The second option for accessing higher lifts is to construct a separate stair tower within the scaffold structure. This is an extra bay measuring 1.4 x 2.0m adjacent to an access bay in the scaffold. Stairs are positioned in alternating directions.

PZ ALUMINIUM ACCESS SCAFFOLD

WELL SUITED TO HIGH TRAFFIC AREAS WHERE MOBILITY IS ESSENTIAL

PZ Aluminium access scaffold was designed specifically for medium-duty applications, and is best suited to smaller projects where heights generally do not exceed 14m. It is lightweight and versatile, making it an excellent choice for indoor or outdoor construction and maintenance tasks.

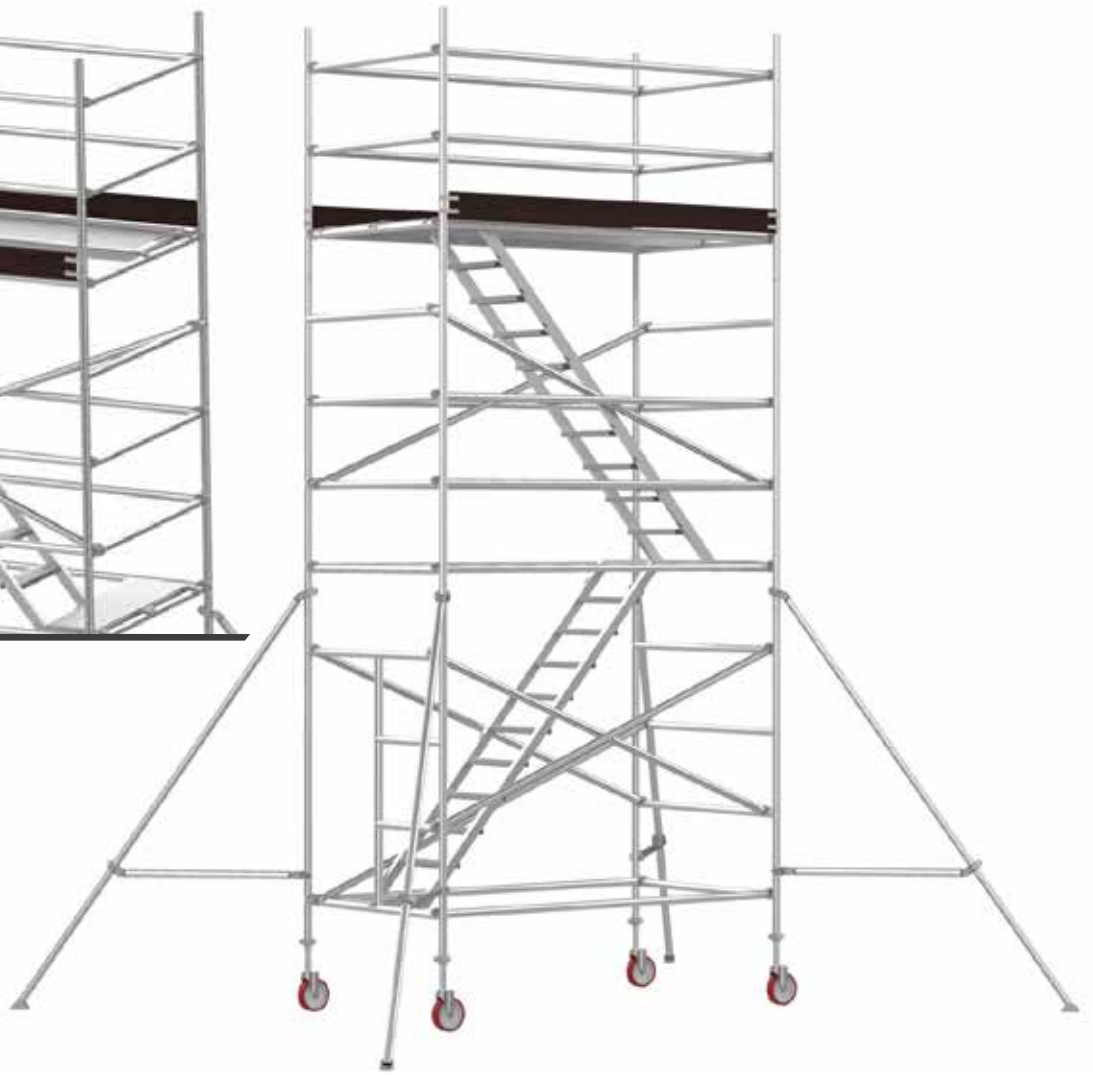
Adaptable multidirectional connection and highly variable component lengths make this scaffold system ideal for constructing safe elevated working platforms in cluttered, high traffic locations. The system provides an almost infinitely variable, strong, highly flexible fixed or moveable platform that meets all applicable health and safety standards. It is easy to erect and dismantle, and the limited number of versatile components means that practically any configuration can be made with minimum effort and cost.

Lightweight, Strong and Safe

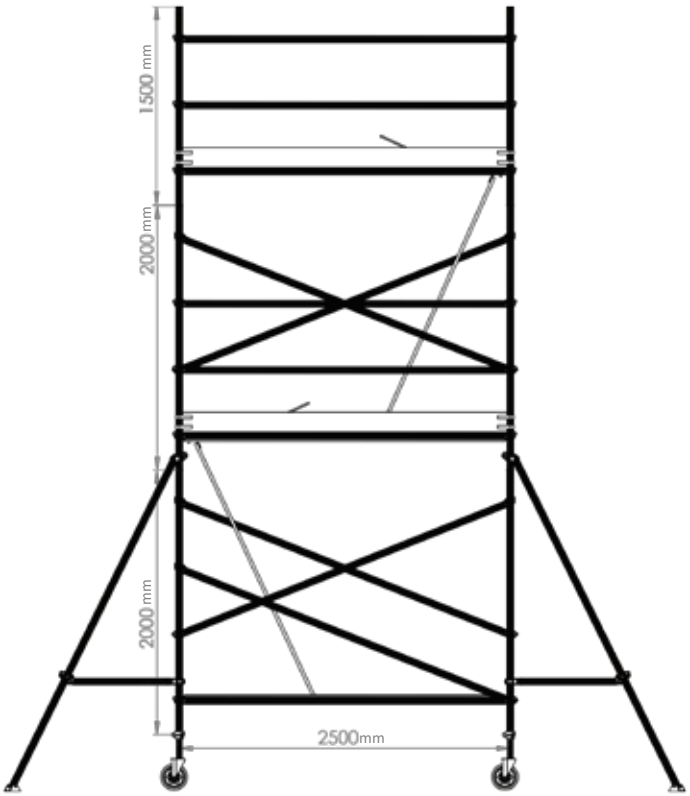
- Light and sturdy aluminium tube with strong joints for extra rigidity.
- Safe work platforms include toe boards and fall protection.
- Clever easy-to-use frame clamps for extra safety and strength.
- Safe access to platforms via the secured internal ladder.
- Safe-lock wheels with adjustment to ensure easy levelling.
- Fully complies with DIN EN12810 and DIN EN12811.

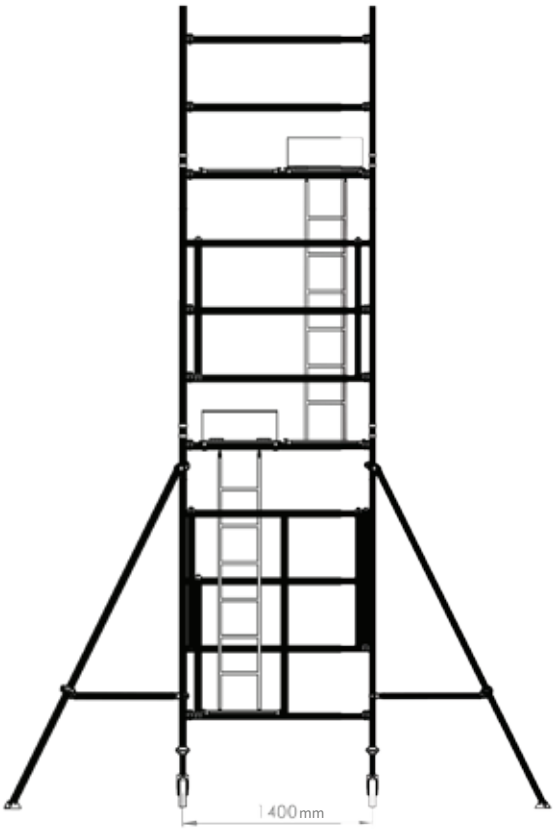
A Cost-Effective Platform Solution for almost any Application

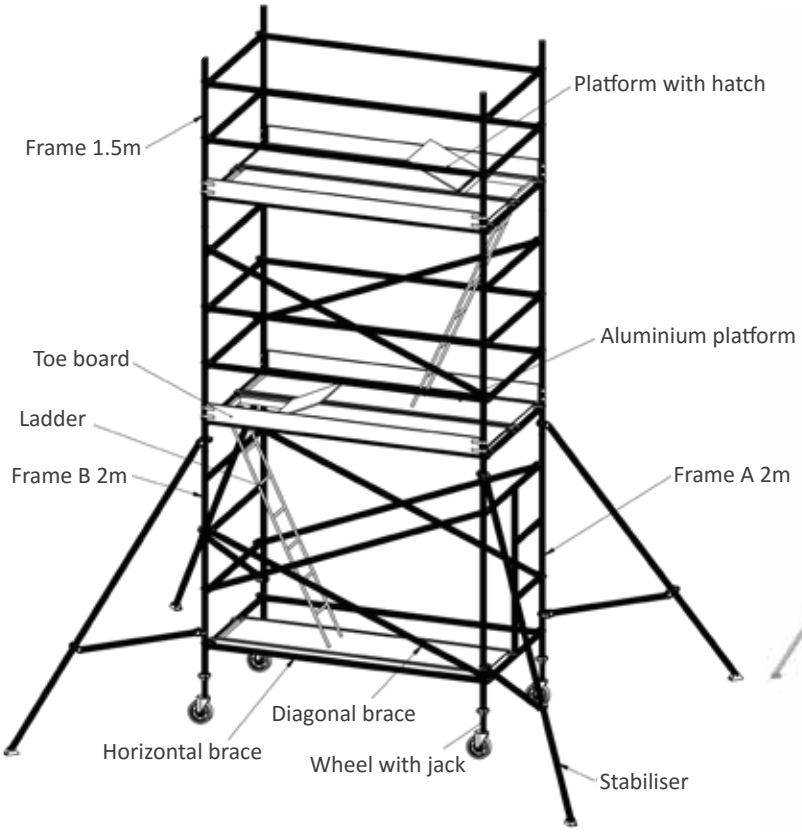
Any construction company, engineering department, or event organiser will find PZ Aluminium access scaffold invaluable for all mid-range off-ground access requirements.



PZ ALUMINIUM ACCESS SCAFFOLD SYSTEM WITH LADDER





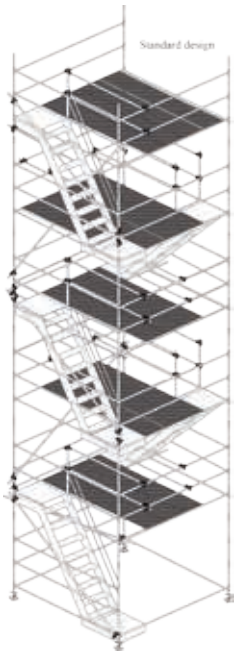


PZ SAFETY ACCESS STAIRCASE

SAFE AND EFFECTIVE

Based on components in the PZ Cup-Lock access scaffold range, almost any configuration of staircase can be designed and constructed for either temporary or permanent use. Ideal for use on construction sites, in existing commercial and industrial buildings, or in any location where safe access is required — such as concert venues, exhibition halls, historic buildings, or any other publicly-accessible place.

Fully compliant, and meeting all the requirements of public access and building regulations, these staircases offer fast, effective and safe public and site personnel access. Designed for occasional or regular high volume use, the system is also suitable for temporary fire escapes and pedestrian walkways in a variety of configurations.



PZ MATERIALS ACCESS PLATFORM

SAFE AND QUICK

The PZ materials access platform is designed as a temporary structure on multi-level buildings to allow for easy delivery of materials to high levels by crane. The platform offers the advantages of speed and ease of set-up, together with versatility, high load capacity and straightforward relocation from level to level.

Built to high durability standards, the platform meets the performance expectations of the most demanding professional contractors, yet is very cost-effective.

PZ MATERIAL HOISTS

Designed for transporting material and personnel up and down a structure, material hoists are fast and safe. A range of platform configurations and wide opening gates ensure efficient transport and ease the handling of large, heavy objects.

PZ TEMPORARY FENCES

HIGHLY FLEXIBLE

PZ's strong yet lightweight fences are suitable for crowd restraint, queue organization, demarcation, and for limiting access to construction sites for public protection — especially along pavements or other walkways. Panels are compact for ease of handling and transportation. Both mesh and solid panels are available in either dip-painted steel or galvanized steel, with steel bases and optional extra support.

- Fast assembly & rapid installation
- Long-lasting yet low-maintenance
- Lightweight & robust

Galvanized steel & mesh 200cm x 300cm
Galvanized steel frame with trapezoidal metal sheet claddings
200cm x 200cm

PZ CUSTOM SCAFFOLD SOLUTIONS

HOWEVER COMPLEX THE NEED, WE CAN CREATE A TASK-SPECIFIC, PRACTICAL SOLUTION

Certain aspects of complex construction projects can require custom solutions. PZ is at the forefront of the design and manufacture of custom-made scaffold solutions. PZ designers and engineers have many years' experience in effectively solving technical problems, and employ leading-edge CAD technology to overcome seemingly impossible challenges. Highly cost effective custom scaffold solutions can be devised that offer maximum performance with high strength-to-weight characteristics.

No project is too large or too small. And every project is undertaken quickly and efficiently by a technically-skilled workforce in a modern production facility. By manufacturing to precise tolerances, using top-spec robotically welded materials, PZ can guarantee the highest quality custom-made scaffold solutions.

One of our most recent innovations for use in specific situations is a parallel track mobile scaffold system. Designed to be easily moved in a straight line this is an extremely practical custom solution for when workers must frequently change position whilst remaining safe – such as when painting and plastering. Rugged steel construction based on the PZ H-Frame system uses standard components plus specially-designed wheels and stabilizer plates. The wheels drop down to run in tracks fixed to the floor, and are raised when the scaffold is repositioned, allowing the plate to touch the floor and be plumb, level and square, to provide a very rigid and safe working platform.

PZ ACCESS SCAFFOLDING - MAIN COMPONENTS

VERTICAL H-FRAME

CODE	SIZE	KGS
AS-HFRAME120100	120 x 100cm	12.60
AS-HFRAME200100	200 x 100cm	16.40
AS-HFRAME20070	200 x 70cm	

Dip coat paint, green.

ADJUSTABLE FRAME WITH BASE

CODE	KGS
AS-ADJFRAME	0.00

Dip coat paint, green.

LADDER

CODE	SIZE	KGS
AS-LADDER	140cm	7.00

Dip coat paint, green.

DOUBLE GUARD RAIL

CODE	SIZE	KGS
AS-GR50150	150 x 50cm	0.00
AS-GR50155	155 x 50cm	0.00
AS-GR50185	185 x 50cm	5.88
AS-GR50250	250 x 50cm	7.40
AS-GR50300	300 x 50cm	

Dip coat paint, green.

SINGLE GUARD RAIL

CODE	SIZE	KGS
AS-SGR150	150cm	
AS-SGR155	155cm	
AS-SGR185	185cm	2.10
AS-SGR250	250cm	2.84
AS-SGR300	300cm	

Dip coat paint, green.

TOE BOARD

CODE	SIZE	KGS
AS-TB185	185 x 15cm	3.30
AS-TB250	250 x 15cm	3.90
AS-TB300	300 x 15cm	

Dip coat paint, green.

STOPPER

CODE	KGS
AS-STOPPER	2.46

Dip coat paint, green.

STOPPER WITH TOE BOARD

CODE	KGS
AS-STB	6.40

Dip coat paint, green.

PIPE WITH TWO SAFETY PINS

CODE	KGS
AS-SPIPE	2.20

Dip coat paint, green.

DECK FENCE POST

CODE	KGS
AS-DECKFENCE	9.36

Attached to deck, dip coat paint, green

RIGHT ANGLE DECK FENCE POST

CODE	KGS
AS-RADECKFENCE	-

Attached to deck, dip coat paint, green

METAL PLATFORMS WITH HATCH

CODE	SIZE	KGS
AS-PLAT15044H	150 x 44cm	
AS-PLAT18544H	185 x 44cm	
AS-PLAT25044H	250 x 44cm	16.16
AS-PLAT18559H	185 x 59cm	21.18
AS-PLAT25059H	250 x 59cm	

Dip coat paint, green.

METAL PLATFORMS

CODE	SIZE	KGS
AS-PLAT10044	100 x 44cm	
AS-PLAT15044	150 x 44cm	
AS-PLAT18544	185 x 44cm	
AS-PLAT25044	250 x 44cm	18.88
AS-PLAT30044	300 x 44cm	

Dip coat paint, green.

METAL PLATFORMS

CODE	SIZE	KGS
AS-PLAT100295	100 x 29.5cm	
AS-PLAT150295	150 x 29.5cm	
AS-PLAT185295	185 x 29.5cm	
AS-PLAT250295	250 x 29.5cm	
AS-PLAT300295	300 x 29.5cm	

Dip coat paint, green.

METAL PLATFORMS

CODE	SIZE	KGS
AS-PLAT10022	100 x 22cm	
AS-PLAT15022	150 x 22cm	
AS-PLAT18522	185 x 22cm	
AS-PLAT25022	250 x 22cm	
AS-PLAT30022	300 x 22cm	

Dip coat paint, green.

EXTENSION BRACKET

CODE	SIZE	KGS
AS-EB70	70cm	
AS-EB90	90cm	

Attached to scaffold, dip coat paint, green.

EXTENSION BRACKET

CODE	SIZE	KGS
AS-EB100	100cm	
AS-EB140	140cm	0.00

Attached to wall, dip coat paint, green.

MANUAL HOIST BRACKET

CODE	KGS
AS-MHOIST	11.20

Attached to scaffold.

FRAME SAFETY PIN

CODE	KGS
AS-SPIN	0.10

ANCHOR SYSTEM

CODE	SIZE	KGS
AS-ANCHORSYS40	40cm	2.54
AS-ANCHORSYS80	80cm	
AS-ANCHORSYS100	100cm	

Dip coat paint, green.

END-FLANGE ANCHOR SYSTEM

CODE	SIZE	KGS
AS-EFANCHORSYS55	55cm	-
AS-EFANCHORSYS100	100cm	-
AS-EFANCHORSYS150	150cm	-
AS-EFANCHORSYS200	200cm	-

Dip coat paint, green.

REINFORCED ANCHOR SYSTEM

CODE	KGS
AS-REINANCHORSYS	-

Dip coat paint, green.

DETACHABLE ANCHOR TUBE

CODE	KGS
AS-DANCHORT	-

Dip coat paint, green.

DETACHABLE ANCHOR SYSTEM

	KGS
AS-DANCHORSYS	-

Dip coat paint, green.

WHEEL

CODE	KGS
AS-WHEEL	-

ANCHOR TUBE

CODE	SIZE	KGS
AS-ANCHORT40	40cm	1.28
AS-ANCHORT70	70cm	
AS-ANCHORT60	60cm	

Dip coat paint, green.

WHEEL WITH JACK

CODE	SIZE	KGS
AS-WHEELJ	70cm	-

WHEEL WITH STOPPER

CODE	KGS
AS-WHEELS	-

END-FLANGE ANCHOR TUBE

CODE	SIZE	KGS
AS-EFANCHORT55	55cm	-
AS-EFANCHORT100	100cm	-
AS-EFANCHORT150	150cm	-
AS-EFANCHORT200	200cm	-

Dip coat paint, green.

WHEEL WITH STOPPER AND JACK

CODE	SIZE	KGS
AS-WHEELSJ	70cm	-

REINFORCED ANCHOR TUBE

CODE	SIZE	KGS
AS-REINANCHORT55	55cm	-
AS-REINANCHORT100	100cm	-
AS-REINANCHORT150	150cm	-
AS-REINANCHORT200	200cm	-

Dip coat paint, green.

BRIDGE GIRDER

CODE	SIZE	KGS
AS-BRIDGE370	370cm	33.00
AS-BRIDGE500	500cm	44.50
AS-BRIDGE750	750cm	66.75
AS-BRIDGEBEAM100	Support beam	

Dip coat paint, green.

PUTLOCK COUPLER

CODE	KGS
AS-PUTCOUPLER	-

GRAVLOCK COUPLER

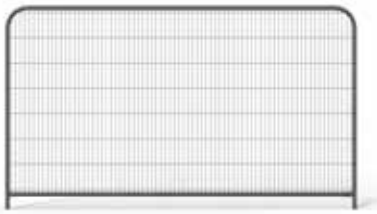
CODE	KGS
AS-GRAVCOUPLER	-

SAFETY CONNECTOR

CODE	KGS
AS-SAFECONNECTOR	-

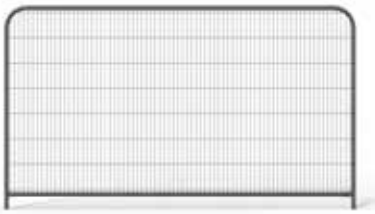
PZ TIER SYSTEM

CODE	KGS
AS-TIERSYS	-



SHEET METAL FENCES

CODE	SIZE	KGS
AS-MF120200	120 x 200cm	
AS-MF200200	200 x 200cm	



FENCES

CODE	SIZE	KGS
AS-F120200	120 x 200cm	14.70
AS-F200200	200 x 200cm	21.00

PLASTIC RUBBISH DISPOSAL CHUTE

CODE	DESCRIPTION	KGS
AS-PRD	Straight section	
AS-PRDE	Section with opening section	
AS-PMBRD	Metal base	
AS-PRDS	Start section	

BUILDING NET

CODE	SIZE	KGS
AS-NET12050	1.2 x 50m	
AS-NET15050	1.5 x 50m	
AS-NET20050	2.0 x 50m	
AS-NET30050	3.0 x 50m	
AS-NET40050	4.0 x 50m	

Polyester high tensile building net, weight: 80-390g/m2, tensile strength: 200kg/3cm

HEAVY DUTY MATERIALS PLATFORM

CODE	KGS
AS-HDMATPLAT.	-

3.50 x 3.10m 4.25kN/m²

SCAFFOLD CONNECTOR

CODE	SIZE	KGS
AS-CONNECTOR2	2mm thickness	-
AS-CONNECTOR3	3mm thickness	-

PZ CUP-LOCK SYSTEM - MAIN COMPONENTS

CUP-LOCK STANDARD

CODE	SIZE	KGS
CL50	500mm	0.00
CL100	1000mm	0.00
CL150	1500mm	0.00
CL200	2000mm	0.00
CL250	2500mm	0.00
CL300	3000mm	0.00

CUP-LOCK STANDARD WITH SPIGOT

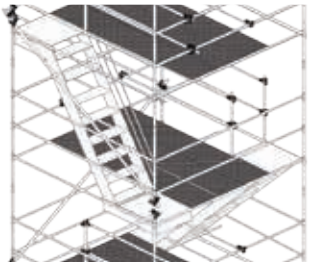
CODE	SIZE	KGS
CL100SP	100cm	0.00
CL150SP	150cm	0.00
CL200SP	200cm	0.00
CL250SP	250cm	0.00
CL300SP	300cm	0.00

CUP-LOCK LEDGERS

CODE	SIZE	KGS
CL50L	50cm	0.00
CL60L	60cm	0.00
CL90L	90cm	0.00
CL100L	100cm	0.00
CL120L	120cm	0.00
CL125L	125cm	0.00
CL130L	130cm	0.00
CL150L	150cm	0.00
CL160L	160cm	0.00
CL180L	180cm	0.00
CL200L	200cm	0.00
CL250L	250cm	0.00
CL300L	300cm	0.00

CUP-LOCK EXTERIOR LADDER

CODE	SIZE	KGS
CL-LADDER12	250 x 250 x 12.00m	0.00
CL-LADDER10	250 x 250 x 10.00m	0.00



CUP-LOCK EXTERNAL SAFETY STAIRCASE

CODE	KGS
CL-EXSTAIRCASE	0.00

PZ RING-LOCK SYSTEM - MAIN COMPONENTS

RING-LOCK STANDARD

CODE	SIZE	KGS
RL100	100cm	0.00
RL150	150cm	0.00
RL200	200cm	0.00
RL250	250cm	0.00
RL300	300cm	0.00

RING-LOCK STANDARD WITH SPIGOT

CODE	SIZE	KGS
RL100SP	100cm	0.00
RL150SP	150cm	0.00
RL200SP	200cm	0.00
RL250SP	250cm	0.00
RL300SP	300cm	0.00

RING-LOCK LEDGERS

CODE	SIZE	KGS
RL50L	50cm	0.00
RL60L	60cm	0.00
RL90L	90cm	0.00
RL100L	100cm	0.00
RL120L	120cm	0.00
RL125L	125cm	0.00
RL130L	130cm	0.00
RL150L	150cm	0.00
RL160L	160cm	0.00
RL180L	180cm	0.00
RL200L	200cm	0.00
RL250L	250cm	0.00
RL300L	300cm	0.00

ROSETTE

CODE	KGS
RL-ROSE	0.00

BASE COLLAR M48

CODE	KGS
RL-BCOLLAR	0.00

DIAGONAL HEAD

CODE	KGS
RL-DHEAD	0.00

TRANSOM

CODE	KGS
RL-TRANSOM	0.00

LEDGER HEAD

CODE	KGS
RL-LHEAD	0.00

TOE BOARD CLAMP

CODE	KGS
AS-TBCLAMP	0.00

WEDGE PIN

CODE	KGS
RL-WPIN	0.00

SPIGOT M48

CODE	KGS
RL-SP	0.00

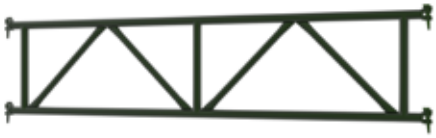
TRIANGLE BRACKET

CODE	SIZE	KGS
RL-TBRACKET1	For 1 platform	0.00
RL-TBRACKET2	For 2 platforms	0.00
RL-TBRACKET3	For 3 platforms	0.00

ANCHOR SYSTEM

CODE	SIZE	KGS
AS-ANCHORSYS40	40cm	2.54
AS-ANCHORSYS80	80cm	
AS-ANCHORSYS100	100cm	

Dip coat paint, green.

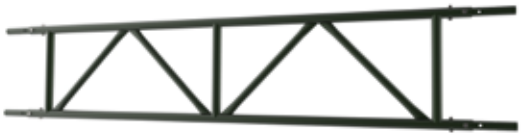


TRUSSED BEAM

CODE	KGS
RL-TBEAM	0.00

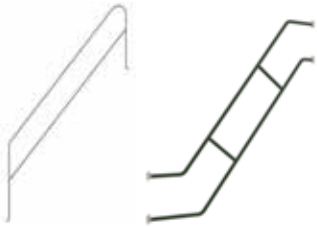
HEAVY TRUSS

CODE	KGS
RL-HTRUSS	0.00



LATTICE GIRDER

CODE	KGS
RL-LGIRDER	0.00



STAIR RAIL

CODE	KGS
RL-INNERGRAIL	0.00
RL-OUTERGRAIL	0.00

DIAGONAL BRACE

CODE	SIZE	KGS
RL150B2	For 2m height x 1.5m width	0.00
RL150B1	For 1m height x 1.5m width	0.00
RL115B2	For 2m height x 1.15m width	0.00
RL075B2	For 2m height x 0.75m width	0.00
RL075B1	For 1m height x 0.75m width	0.00
RL575B2	For 2m height x 57.5m width	0.00
RL575B1	For 1m height x 57.5m width	0.00
RL100B2	For 2m height x 1m width	0.00
RL100B1	For 1m height x 1m width	0.00
RL050B2	For 2m height x 0.5m width	0.00
RL050B1	For 1m height x 0.5m width	0.00

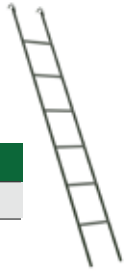
RING-LOCK TOE BOARD

CODE	KGS
AS-STB	6.40

Dip coat paint, green.

STAIRCASE

CODE	KGS
ALS-STAIRC	0.00



LADDER

CODE	KGS
RL-LADDER	0.00

PZ ALUMINIUM SCAFFOLD SYSTEM - MAIN COMPONENTS

FRAME A

CODE	KGS
ALS-FRAMEA	0.00

WHEEL & WHEEL WITH JACK

CODE	KGS
ALS-WHEEL	0.00
ALS-WHEELJ	0.00

FRAME B

CODE	KGS
LAS-FRAMEB	0.00

HORIZONTAL BRACE

CODE	KGS
ALS-HBRACE	0.00

FRAME CLAMP

CODE	KGS
ALS-FCLAMP	0.00

STAIRCASE

CODE	KGS
ALS-STAIRC	0.00

FRAME CONNECTOR

CODE	KGS
ALS-FCON	0.00

STABILIZER

CODE	KGS
ALS-STAB	0.00

OUTRIGGER PLATE

CODE	KGS
ALS-OUTPLATE	0.00

PLATFORM

CODE	KGS
ALS-PLAT	0.00

NUT COUPLER

CODE	KGS
ALS-NCOUPLER	0.00

SELF-LOCKING BRACE HOOK

CODE	KGS
ALS-BHOOK	0.00

PZ ACCESSORIES

BASE JACK

CODE	SIZE	KGS
ACC-BASEJACK70	70cm	3.46
ACC-BASEJACK100	100cm	4.42

Dip coat paint, green.

CROSS BRACES

CODE	SIZE	KGS
ACC-CB110	110cm	
ACC-CB265	265cm	0.00
ACC-CB285	285cm	0.00

Dip coat paint, green.

HALF COUPLER

CODE	SIZE	KGS
ACC-HCOUPLERP	Ø 48.3mm pressed	0.00
ACC-HCOUPLERF	Ø 48.3mm forged	0.48

RIGHT-ANGLE COUPLER

CODE	SIZE	KGS
ACC-RCOUPLERP	Ø 48.3mm pressed	0.76
ACC-RCOUPLERF	Ø 48.3mm forged	0.00

SWIVEL COUPLER

CODE	SIZE	KGS
ACC-SCOUPLERP	Ø 48.3mm pressed	1.02
ACC-SCOUPLERF	Ø 48.3mm forged	0.00

SLEEVE COUPLER

CODE	SIZE	KGS
ACC-SLCOUPLERP	Ø 48.3mm pressed	1.00
ACC-SLCOUPLERF	Ø 48.3mm forged	0.00

ROW-BOLT

CODE	KGS
ACC-RBOLT	0.01

L-BOLT

CODE	SIZE	KGS
ACC-LBOLT120	120mm	0.08
ACC-LBOLT180	180mm	

SLEEVE ANCHOR NUT

CODE	SIZE	KGS
ACC-SLANCHORN1075	10 x 75mm	0.00
ACC-SLANCHORN1275	12 x 75mm	0.00

TUBE

CODE	SIZE	KGS
ACC-TUBE3.100	1.00m Ø 48.3 x 3mm	3.33
ACC-TUBE3.180	1.80m Ø 48.3 x 3mm	5.99
ACC-TUBE3.200	2.00m Ø 48.3 x 3mm	6.66
ACC-TUBE3.220	2.20m Ø 48.3 x 3mm	7.33
ACC-TUBE3.240	2.40m Ø 48.3 x 3mm	8.00
ACC-TUBE3.300	3.00m Ø 48.3 x 3mm	10.00
ACC-TUBE3.400	4.00m Ø 48.3 x 3mm	13.33
ACC-TUBE3.440	4.40m Ø 48.3 x 3mm	14.52
ACC-TUBE3.480	4.80m Ø 48.3 x 3mm	15.85
ACC-TUBE3.540	5.40m Ø 48.3 x 3mm	17.85
ACC-TUBE3.600	6.00m Ø 48.3 x 3mm	20.00
ACC-TUBE2.50	0.50m Ø 48.3 x 2mm	
ACC-TUBE2.100	1.00m Ø 48.3 x 2mm	2.34
ACC-TUBE2.120	1.20m Ø 48.3 x 2mm	2.81
ACC-TUBE2.150	1.50m Ø 48.3 x 2mm	3.51
ACC-TUBE2.180	1.80m Ø 48.3 x 2mm	4.21
ACC-TUBE2.200	2.00m Ø 48.3 x 2mm	4.68
ACC-TUBE2.220	2.20m Ø 48.3 x 2mm	5.15
ACC-TUBE2.240	2.40m Ø 48.3 x 2mm	5.62
ACC-TUBE2.300	3.00m Ø 48.3 x 2mm	7.02
ACC-TUBE2.330	3.30m Ø 48.3 x 2mm	7.72
ACC-TUBE2.400	4.00m Ø 48.3 x 2mm	9.36
ACC-TUBE2.440	4.40m Ø 48.3 x 2mm	10.30
ACC-TUBE2.480	4.80m Ø 48.3 x 2mm	11.23
ACC-TUBE2.540	5.40m Ø 48.3 x 2mm	12.64
ACC-TUBE2.565	5.65m Ø 48.3 x 2mm	13.22
ACC-TUBE2.600	6.00m Ø 48.3 x 2mm	14.04

GALLERY

GALLERY

GALLERY

GALLERY

GALLERY