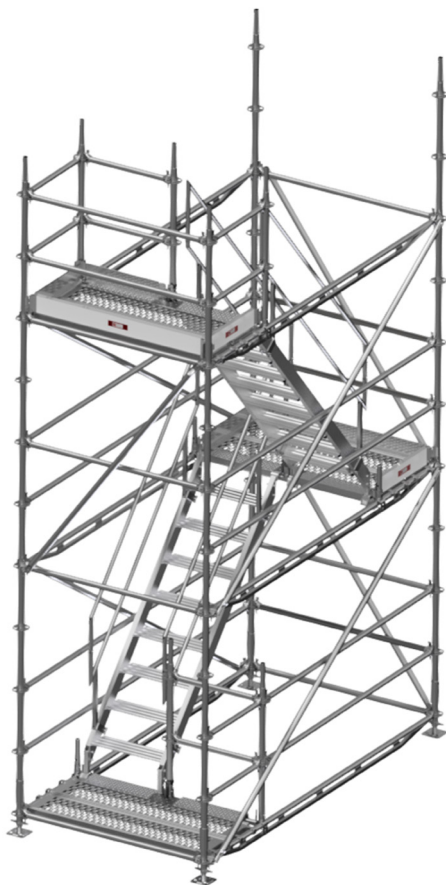




SYSTEM SCAFFOLD

PLETTAC METRIX EASYSTAIR

User Guide



HIRE & SALES

BH/08.26

Altrad Hire & Sales

Support for Construction & Industry



Altrad Hire & Sales is the UK's leading supplier of: Scaffolding, Temporary Fencing, Light Access, Edge Protection, Safety Decking and Groundworks for hire and sale.

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BEST QUALITY

We work closely with our suppliers to ensure consistent product quality every time. All our products are specified to meet or exceed statutory requirements, verified by our Quality Assurance team.



BEST AVAILABILITY

Our nationwide branch network, transport fleet and stock holding ensure we can supply your equipment needs. What, When and Where you need equipment.



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We can take care of all your equipment needs; supplemented by a full range of engineering, design, specification and business services. Our focus is to work together, supporting the growth of your business.



BEST VALUE

Our global supply chain, purchasing and lean business means we don't pass on unnecessary costs to you. We aim to provide consistently low prices and the best value when you buy or hire from us.

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GUIDANCE NOTE

Genuine PLETTAC METRIX system manufactured BY Altrad Plettac and supplied by Altrad Hire & Sales.

Altrad Hire & Sales and Altrad Plettac reserve the right to alter or amend without notice the design and / or specifications of any of the equipment forming part of the Plettac Metrix system, in the interests of improvement.

You should **read** and **ensure** you understand this manual in its entirety prior to commencing work.

Only trained and competent operatives should erect, dismantle or modify PLETTAC METRIX scaffolding at all times.

DISCLAIMER:

Whilst Altrad Hire & Sales and the author have made every reasonable effort to ensure that the information contained within this user guide is correct at the time of printing, you should be aware that Altrad Hire & Sales and the author do not accept any liability for any inconvenience, loss or damage caused by the result of any inaccuracy, or omission, within this publication.

About Plettac Metrix EasyStair

The Plettac Metrix EasyStair is an innovation in staircase solutions from Altrad Hire & Sales, designed to meet and exceed the requirements of BS EN 12810 & BS EN 12811.

With its robust design, offering load capacities of 2.0kN/m² and 4.0kN/m², and with a compact footprint of 3.0m x 1.5m, the EasyStair is perfect for diverse applications and projects.

Ideal for site access, the Plettac Metrix EasyStair delivers a convenient answer on safety, efficiency, and adaptability. Moreover, the stair tower can be used as part of the Plettac Metrix system but can also be used as a standalone tower and/or with other types of scaffolds, and is available in 1.0m, 1.5m, and 2.0m lift heights for complete project flexibility.

Key Features:

- Enhanced safety: Inner and outer guardrails provide unparalleled security.
- Lightweight durability: Aluminium stairs with steel connectors offer a strong yet manageable build, without heavy platform units.
- Flexible configurations: With front/side exits, anti-uplift protection, the EasyStair adapts to your site requirements.
- Efficient flow: Erect in any direction and utilise parallel construction for efficient personnel movement.



About Plettac Metrix

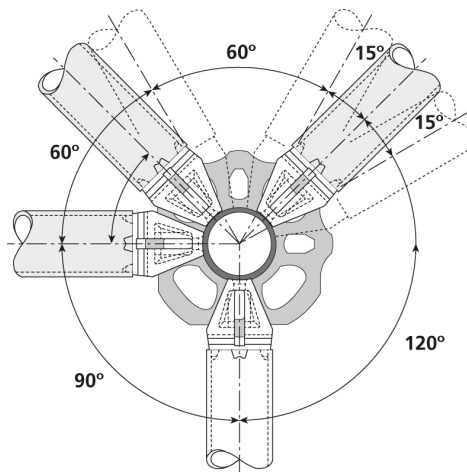
PLETTAC METRIX is a hot-dipped galvanized scaffold system which utilizes a wedge head, welded to the end of the horizontal members (such as ledgers and transoms). This head fits exactly round the perforated rosettes, which contain specially formed openings capable of taking up to eight horizontals / diagonals at any one time. These rosettes are welded to the vertical support members (standards) at 500mm intervals. Due to the way the rosette openings are formed virtually any angle can be set. The wedges are driven home with a 500g hammer, until the jarring blow, giving a rigid and secure connection by friction.

PLETTAC METRIX is a revolutionary rosette system, where the sizes of horizontal members are divisible by a combination of other sizes. This has the advantage of allowing extra verticals within the bay length or breadth, by using smaller horizontals on one side. For example a 2.5m bay may be split on the opposing side using 1.5m and 1m horizontals. This is a unique feature, no other rosette or ring system achieves this with standard tubular equipment in both horizontal directions.

PLETTAC METRIX uses base collars for setting out allowing one operative to base the scaffold out safely, and requires no further levelling once the base lift has been set out. It is generally faster to erect, adapt and dismantle than other system scaffolds, and over 60% quicker than conventional tube and fittings.

PLETTAC METRIX can be used with three types of platform, galvanized steel decks; aluminium decks; or combined aluminium & plywood decks.

PLETTAC METRIX is a true modular scaffolding system that is easily adaptable, and is particularly suitable for use in heavy duty industrial and civil engineering applications. This guide sets out the basic components of the system and how to use them. This system can be used for all types of access scaffold work, from the basic to the complex. For information on PLETTAC METRIX components and applications not shown in this guide, please contact your nearest Altrad Hire & Sales Branch (locations are detailed on the rear cover of this guide).



About Plettac Metrix

PLETTAC METRIX offers many advantages over other forms of scaffolding, including:

Divisibility

PLETTAC METRIX's unique feature allows the use of extra vertical members within the middle of a bay, with the use of smaller ledger or transom sizes.

Strength

PLETTAC METRIX's rosette and wedge head system forms a positive, frictional locking connection that makes it extremely robust with load capacities in excess of those provided by conventional tubes & fittings and other system scaffolds.

Speed

PLETTAC METRIX's rosette and wedge head fixing device makes PLETTAC METRIX system scaffold faster and simpler than most other system scaffolds.

Compatibility

PLETTAC METRIX can also be used in conjunction with traditional tubes, fittings & boards.

Cost Savings

PLETTAC METRIX's lack of loose components coupled with the galvanised finish make the system easy to use and exceptionally cost effective.

PLETTAC METRIX is tested in line with the ISO 9001 series of quality management systems and has met or exceeded the criteria to satisfy BS EN 12810, BS EN 12811 and the NASC Code of Practice.

PLETTAC METRIX and its associated products offer compliance with the current editions of the following:

BS EN 12810 Part 1	Façade Scaffolds made of prefabricated components
BS EN 12810 Part 2	Façade Scaffolds made of Prefabricated Components: Particular Methods of Structural Design
BS EN 12811 Part 1	Scaffolds - Performance Requirements & General Design
BS EN 12811 Part 2	Information on Materials
BS EN 12811 Part 3	Temporary Works Equipment - Load Testing
BS EN 39 Part 1	Metal Scaffolding, Couplers and Special Couplers in Steel
BS EN 74 Series	Couplers, Spigots and Base Plates for use in Falsework and Scaffolds
BS 2482	Timber Boards for use in Scaffolding
PLETTAC METRIX holds the following Designations under BS EN 12810-1:	
EN 12810—6N—SW09/300—H2—B—LS	
EN 12810—5N—SW09/300—H2—A—LS	
EN 12810—6N—SW09/250—H2—A—LS	
EN 12810—6N—SW06/300—H2—B—LS	
EN 12810—6N—SW06/300—H2—A—LS	

Plettac Metrix & Safety

Competence of Erectors

Competence of individuals working at height is now a direct requirement of the current "Work at Height" regulations.

Consequently, employers have a duty to ensure that all individuals involved in the erection, modification or dismantling of any scaffolding equipment have received the training necessary to enable them to carry out their work in a safe manner.

The Construction Industry Scaffolder's Record Scheme (CISRS) is currently recognised as a world-leader in providing specific system training through the System Scaffold Product Training Scheme (SSPTS), which ultimately provides the requisite level of training.

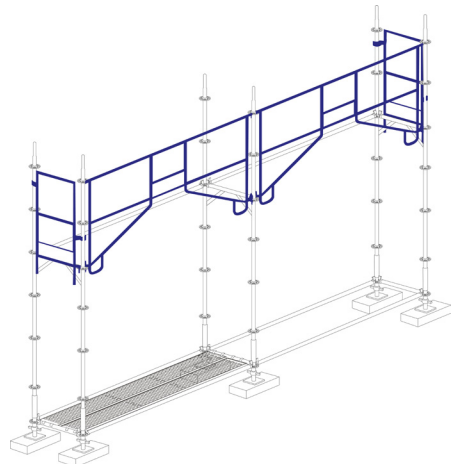
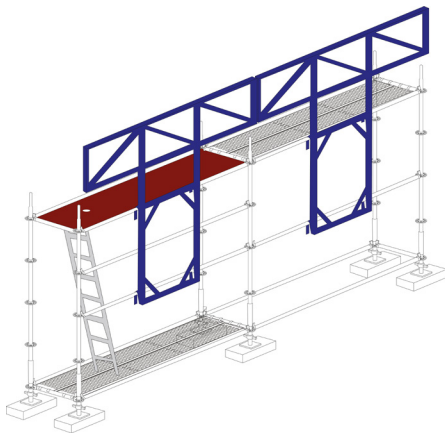
SSPTS is available through our nationally accredited training partners. For further information, please contact your local Altrad Hire & Sales depot, details of which can be found on the rear cover of this guide or visit www.altradhireandsale.co.uk.

Work at Height / Fall Prevention / Fall Mitigation

The current edition of the Work at Height Regulations places a duty on employers to protect individuals from harm. Scaffolding inevitably carries a risk of falling from height and consequently, it is of paramount importance that all activities are assessed for risk, planned and a safe system of work is adopted during any scaffold activity.

It is therefore strongly recommended that the procedures outlined in the NASC's guidance note SG4 - "Preventing Falls in Scaffolding Operations" are followed. SG4 describes several safe methods of work, including the use of collective fall protection systems such as an advanced guardrail or scaffolder's steps.

PLETTAC METRIX has a system exclusive permanent advanced guardrail system, which provides collective fall protection for scaffold operatives, and all other trades, from erection to dismantle.



Plettac Metrix & Safety

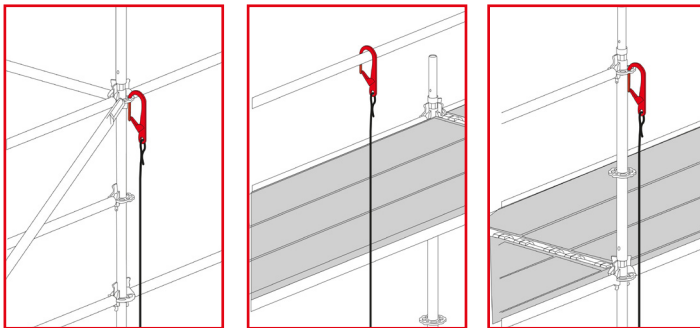
Harness & Lanyard Anchor Points

To ensure the safety of PLETTAC METRIX erectors, it is important that fall protection equipment is only attached to those components that are capable of withstanding any likely imposed loads. This section details the key components acceptable for attachment, based on all scaffolds being erected in accordance with this guide.

Rescue of Suspended Casualties

While the current Work at Height Regulations requires that work at height be carried out safely, they also require that contingency plans be made for any eventuality. This extends to making plans to rescue personnel suspended by fall arrest equipment. Personnel should be fully trained to use all relevant rescue equipment for such event.

Note: Details relating to rescue and what should be considered can be found in the latest editions of the NASC guidance notes SG4 & SG19 (SG19 - "A Guide to Formulating a Rescue Plan.") All Lanyards must conform to the parameters and standards set out in the NASC's Guidance Note SG4. The length of restraint lanyards must not exceed 800mm (1.0m Including connectors).



GUIDANCE NOTE

Attachments can only be made to the following components!

- PLETTAC METRIX rosette – 2m above the platform the erector is standing on, and secured by transom and ledger.
- PLETTAC METRIX rosette – 1m above the platform the erector is standing on, and secured by transom or ledger.
- PLETTAC METRIX tubular horizontals (only those of 48.3mm outside diameter), in order of preference: 2m above the platform the erector is standing on; at guardrail height; and then, as a last resort, at foot level. All horizontals must be secured at both ends.

Manual Handling

The following basic rules should be adhered to when manually handling the PLETTAC METRIX system and associated components.

- Plan/ lay down storage areas in advance, to reduce the distance materials have to be manually handled.
- Always check the transit route before manual handling, to ensure that it is suitable and free from obstructions and any tripping hazards.
- When handling long materials, beware of damaging property, overhead electric lines, other people and moving vehicles.
- Only tackle loads that can be reasonably handled by the individuals involved – i.e. consider personal physical capabilities.
- Manual handling operations should be eliminated where possible, by using mechanical handling equipment and manual handling aids whenever possible. These include light-lines, gin wheel, forklifts and cranes etc.
- Use the correct knots and hitches if using rope to lift equipment, as per NASC safety guidance SG9.

Note: Details relating to manual handling and what should be considered can also be found in the latest edition of the NASC guidance note SG6 – “Manual Handling in the Scaffolding Industry.”

GUIDANCE NOTE

Always use the correct kinetic handling technique:

- Make sure your feet are on a firm level base, a comfortable distance apart (Approx. 300mm).
- Use your legs and not your back to bend.
- Raise your head slightly and tuck in your chin to keep your spine straight.
- Avoid turning / twisting the trunk of the body.

Safety On Site

As is the case with any scaffold, only trained and authorised operatives should carry out the erection, dismantling or modification of a PLETTAC METRIX structure.

Consideration must always be given to those that may be affected by the works being carried out. To ensure that the highest standards of safety performance are maintained, consideration should be given to the following:

1. If the scaffold is on rough or uneven ground, ensure that it is erected on adequate timber sole boards which are properly levelled and bedded, and that the ground is capable of withstanding the proposed loadings.
2. All entrance steps, platforms and stair flights must be free from obstructions, trip hazards or projections, with all platforms and stair flights being complete with double guardrails. Where there is a risk of items falling from platforms PLETTAC METRIX toe boards must be used, and the use of brick-guards considered.
3. Do not load the EASYSTAIR Tower with materials or equipment. All material or equipment is to be stored on the main scaffold structure or loading towers, however, care must be taken to ensure that no part of the scaffold structure is overloaded. Information on the permissible safe working load capacity of the main scaffold structure and/or loading towers should be obtained from the original supplier.
4. All EASYSTAIR towers require adequate bracing and ties. Neither should be removed without giving consideration to firstly installing alternative bracing or ties, to ensure the continued safety of the scaffold (further design may be required).
5. All EASYSTAIR towers must be erected in strict accordance with this user guide. Any configurations outside the scope of this guide including sheeting, netting or other similar wind sails should be referred to a person competent in the design of PLETTAC METRIX.
6. Any unauthorised interference of temporary access structures should be immediately reported to site management, with any incomplete or unsafe parts of the structure being clearly marked and access restricted.
7. All EASYSTAIR components require visual inspection before use. No damaged equipment should be used within the structure. Any equipment found damaged should be immediately set aside in a quarantined area, clearly marked and senior management informed. Maintenance and repair procedures should only be carried out by qualified / approved personnel.
8. Prior to erection, check the access route and assembly areas are tidy, clean and safe. Ensure they are kept in this manner throughout the erection process.
9. Always wear appropriate PPE with Hi-Vis where required.



General Rules For Safety



Always

- **Always** ensure all who erect, adapt and dismantle the scaffold are trained, competent and authorised to do so.
- **Always** ensure all risk assessments and method statements have been carried out, then communicated to those concerned, and understood.
- **Always** ensure that there is adequate storage space for the materials.
- **Always** ensure that there is clear access to the work area and that the ground is level and suitable for the scaffold.
- **Always** work to current SG4 guidelines along with other relevant Health & Safety guidelines and regulations.
- **Always** ensure that there are adequate tying points.
- **Always** ensure loads are evenly distributed.
- **Always** ensure scaffold inspections are carried out and recorded as per current legal requirements.
- **Always** ensure that all defects are notified to the site management immediately.
- **Always** inform site management immediately if you see a potentially dangerous situation.



Never

- **Never** let untrained persons erect, modify or dismantle the scaffold.
- **Never** remove guardrails, toe boards or brick guards.
- **Never** remove ties without prior approval.
- **Never** create gaps in platforms by removing decks or boards.
- **Never** remove restrictions or warning signs from the scaffold structure.
- **Never** undermine the scaffold by digging trenches underneath or near the base.
- **Never** add sheeting or netting without prior approval.
- **Never** use damaged materials.
- **Never** allow unqualified / unapproved personnel to repair damaged equipment.
- **Never** load directly onto the access scaffold's working platform (always use a loading tower).
- **Never** overload the scaffold.

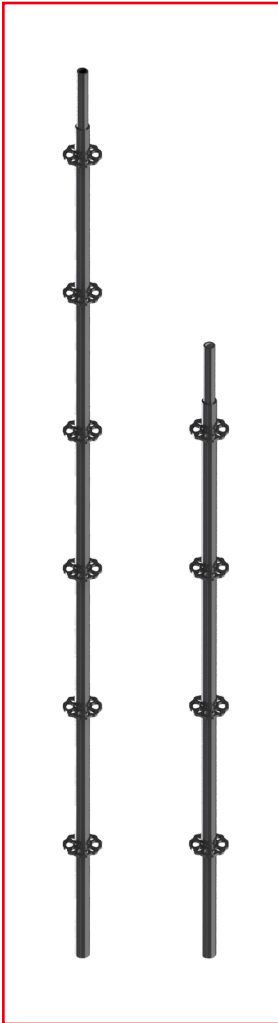
GUIDANCE NOTE

Safety is no accident. Don't risk it - if in doubt, ask!

The information given in this PLETTAC METRIX EASYSTAIR user guide relates solely to genuine PLETTAC METRIX equipment supplied by Altrad Hire & Sales.

Main Components

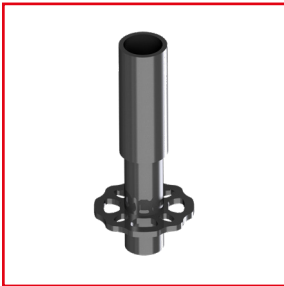
Standards



These items form the vertical members of the scaffold and are made from 48.3mm diameter x 3.2mm thick high-grade steel tube. They incorporate the distinctive rosettes which are welded at 500mm centres. The lowest rosette is located at 400mm from the bottom of the standard, to the upper surface of the rosette. The rosettes are the fixing points for up to eight further components (ledgers, transoms, diagonals, etc.). At the top of the standards, there is a 200mm crimped spigot that allows the vertical connection of further standards. Where there is a need for transmission of heavy tension loads (hung scaffolds for example) standards are available with bolted spigots. At the bottom and top of each standard, there are corresponding drilled holes to allow two standards to be bolted together.

Code	Height (m)	Overall Height (m)	Weight (kg)	Crimped/Bolted
285001	4.00	4.20	18.84	C
285005	3.00	3.20	14.37	C
285010	2.50	2.70	12.13	C
285015	2.00	2.20	9.90	C
285020	1.50	1.70	7.66	C
285025	1.00	1.20	5.43	C
285030	0.50	0.70	3.19	C
285035	4.00	4.20	19.90	B
285040	3.00	3.20	15.42	B
285045	2.50	2.70	13.19	B
285050	2.00	2.20	10.95	B
285055	1.50	1.70	8.72	B
285060	1.00	1.20	6.48	B
285065	0.50	0.70	3.86	B

Main Components



Base Collar

Used at the base of the scaffold in conjunction with the adjustable base jacks, or in the forming of cantilevered scaffolds.

Code	Height (m)	Weight (kg)
285070	0.33	2.09



Adjustable Base Jacks

The 6 tonne adjustable base and head jack comes in three sizes, and is used in conjunction with base collars, to accommodate variations in ground levels.

Code	Height (m)	Weight (kg)
285075	0.80	4.29
285080	0.61	3.58
285085	0.40	2.87



Divisible Metrix Ledgers

These components form the ledgers and the guardrails of the system.

The wedge heads welded at each end locate around the rosettes of the standards, and the wedges are driven home with a 500g hammer, until the jarring blow, giving a rigid and secure connection by friction.

Code	Standard Spacing (m)	Overall Length (m)	Weight (kg)
285101	3.00	2.951	10.11
285104	2.25	2.201	7.74
285109	1.50	1.451	5.38
285113	0.75	0.701	3.02

Main Components

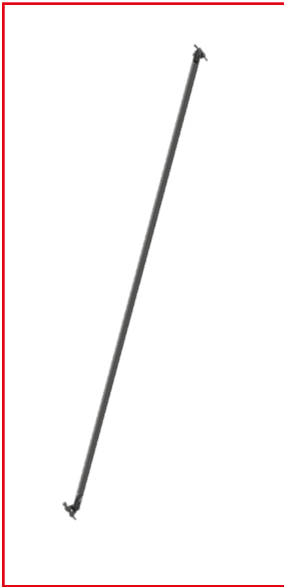


Reinforced RH Double Ledgers

Used to support the special EasyStair staircase transom and the PLETTAC METRIX decks that form the platform, the Reduced Height (RH) Double Ledgers allow for side access to be achieved.

The decks and staircase transom fit directly onto the tubular upper chord member.

Code	Standard Spacing (m)	Overall Height (m)	Weight (kg)
285131	3.00	2.951	20.26



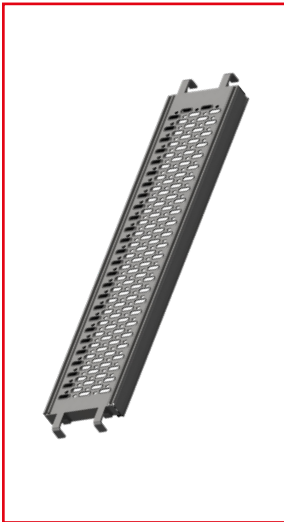
Vertical Diagonals (Brace)

This component forms all types of vertical bracing that is required for a PLETTAC METRIX scaffolding structure. Brace come in differing lengths to suit any bay length combined with either a 2.0m, 1.5m, 1.0m or 0.5m lift height.

A swivelling wedge head is positioned at each end of the brace to allow connection to the structure, both ends must be fixed.

Code	Bay Length (m)	Bay Height (m)	Weight (kg)
285201	3.00	2.00	12.44
285226	3.00	1.50	11.60
285231	3.00	1.00	11.00
285237	3.00	0.50	10.60
285215	1.50	2.00	9.16
285229	1.50	1.50	7.90
285234	1.50	1.00	6.90
285239	1.50	0.50	6.20

Main Components



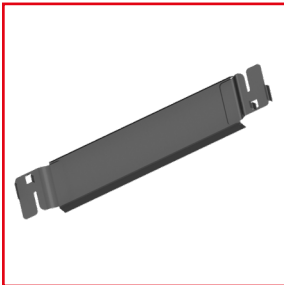
Steel Decks

Used to form the landing platform, these decks are manufactured from galvanised steel. They are laid directly onto the Reinforced RH Double Ledgers, and come complete with handles, wind clips, anti-tilting devices and slots for timber toe boards. Available in both 0.30m and 0.20m wide.

The allowable working load is 6kN/m².

Note: Integral handles are for manual handling only, they are not to be used as a fixing point for ropes, light-lines or other lifting apparatus.

Code	Length (m)	Overall Width (m)	Weight (kg)
285301	3.00	0.30	22.71
285306	1.50	0.30	11.22
285318	1.50	0.20	9.73



Steel Toe-Boards

A 150mm high electroplated steel toe board. The fitments on the end locates between the standard and the transom wedges.

Code	Length (m)	Weight (kg)
285406	2.25	6.10
285415	1.50	4.20
285423	0.75	2.20
285430	0.50	1.62



1.5m EasyStair Transom

A special transom that spans between the two 3.0m RH Reinforced Ledgers and is used to support the staircase units.

The transom comes complete with 3 spigots, which allow the connection of 1.0m Metrix Standards, for the formation of side exits and guardrails.

Code	Length (m)	Weight (kg)
285978	1.50	15.50

Main Components

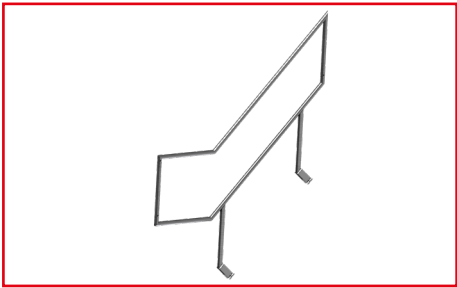
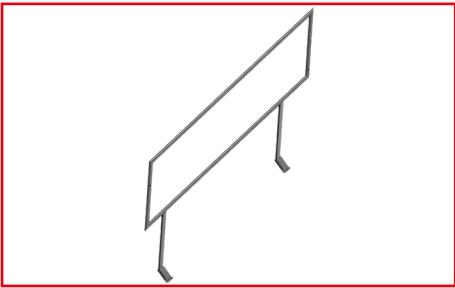
EasyStair Units



Manufactured from aluminium alloy, with steel connectors, two of these lightweight, yet strong units sit side by side within the stair tower, and provide interconnecting stair access to each subsequent level. They are fixed to the EasyStair transoms, and available in 2.0m, 1.5m and 1.0m platform height variations, giving maximum flexibility.

Code	Lift Height (m)	Steps (No.)	Weight (kg)
285980	2.00	8	21.70
285982	1.50	6	17.90
285984	1.00	4 + Landing	19.80

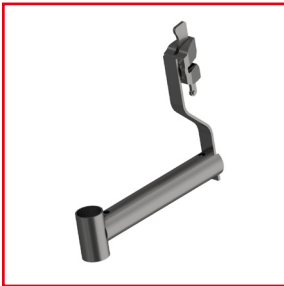
EasyStair Guardrails



These units provide external and internal edge protection to the staircase units, they are attached to the stair stringers using integral connectors.

Code	Length x Height (m)	Weight (kg)
285986	1.5 x 2.0	17.50
285988	1.5 x 1.5	12.60
285990	1.0 x 1.5	12.20

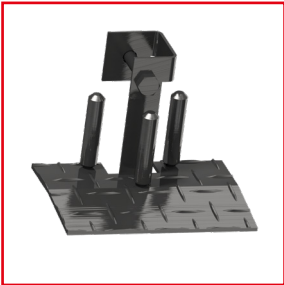
Ancillary Components



Entry Step Support

Used in pairs, this is an optional item used in conjunction with one 1.5m x 0.3m Steel Deck, which allows the formation of an entrance step to the EasyStair tower.

Code	Weight (kg)
285994	2.20



EasyStair Cover Plate

Covers the small gap in the platform at the central spigot of the EasyStair Transom. Secure using and M12 x 70mm bolt complete with lock nut, or an M10 Quick Release Pin.

Code	Weight (kg)
285996	1.20



Toe Board Clip for 1.0m Stair

This optional item is used where a toe board is required to the integrated platform of the 1.0m Stair. Secure using an M12 x 60mm bolt complete with lock nut.

Code	Weight (kg)
285992	0.6



M10 Quick Release Pin

This special squared quick release pin provides anti-uplift support to the EasyStair Transom and can be used to secure the EasyStair Cover Plate.

Code	Weight (kg)
080203	0.10

Installation Guidance

This section describes the basic erection and dismantling procedures for PLETTAC METRIX EasyStair scaffold towers.

As with all scaffolding, only trained, competent and authorised operatives should erect, dismantle or modify PLETTAC METRIX scaffolds at any time.

Altrad Hire & Sales recommends, that as a minimum, the working practices for all scaffold activities set out in the NASC's document SG4 – "Preventing Falls in Scaffolding Operations" are applied at all times.

Prior to commencing work, make sure all method statements, risk assessments and permits are in place, and that suitable tie points are available.

Ensure that the ground is level and firm and capable of taking the imposed load of the completed scaffold. Where required, use wooden sole boards of the correct size to spread the load over the ground.

Set out the scaffold according to the ground levels and the platform heights required.

It is recommended that erecting and dismantling the scaffold is carried out by a minimum of two operatives.

Reference should also be made to the current edition of the Plettac Metrix User Guide when erecting a Plettac Metrix EasyStair Structure.

Current legislation states that, when complete, a scaffold is required to be inspected:

- Before being used for the first time.
Following significant alteration.
- At least every seven days from the date of the last inspection
- Following adverse weather or any event likely to have affected its strength or stability.

Further advice on inspection and handover requirements can be found in the current edition of the NASC's publication SG35 "Guidance on the Handover of Scaffold Structures".

Note: If using temporary advanced guardrails or scaffolder's steps, information relating to the use of these products should be obtained from the original supplier.

Basic Installation Procedure

Step 1

Screw adjustable base jacks to their estimated height, and layout with wooden sole boards or plastic pads if required (dependent on the make-up of the supporting ground) (Fig.1).

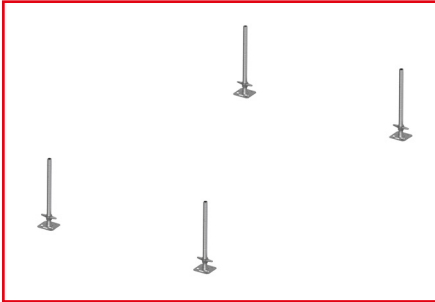


Fig. 1.

Step 2

Place a base collar over each base jack as shown (Fig.2).

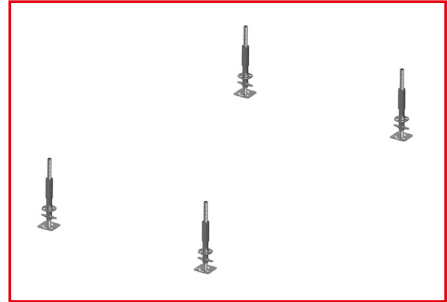


Fig. 2.

Step 3

Connect the rosettes of the base collars with the 3.0m RH Reinforced Ledgers and 1.5m Ledgers, by locating the wedges in the appropriate hole (Fig. 3).

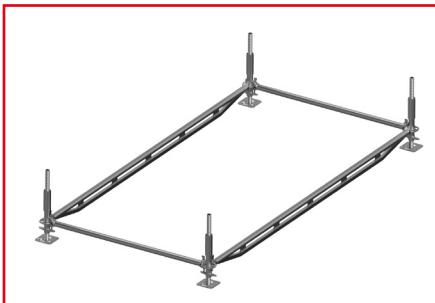


Fig. 3.

Step 4

Level the scaffold structure using the adjustable base jacks with the aid of a spirit level, making any adjustments necessary. Drive the wedges home, with a 500g hammer, until the jarring blow is identified (Fig.4).

Note: Once the scaffold is levelled and aligned for all base lifts, no further levelling of the scaffold is required.



Fig. 4.

Basic Installation Procedure

Step 5

Standards are now set in the base collars. In this example 3.0m Standards are used, this allows there to be 2 rosettes above the next lift height (which in this case will be 2.0m), allowing the next lift's guardrails to be fitted in accordance to SG4 (Fig. 5).

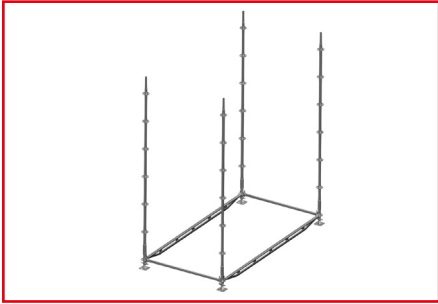


Fig. 5.

Step 6

Place the first EasyStair Transom in position, 0.75m c/c from the standard (Fig. 6).

Note: To give full anti-uplift protection, M10 Quick Release Pins are fitted through the holes in the EasyStair transoms connection devices, under the top chord of the 3.0m RH Reinforced Ledgers.

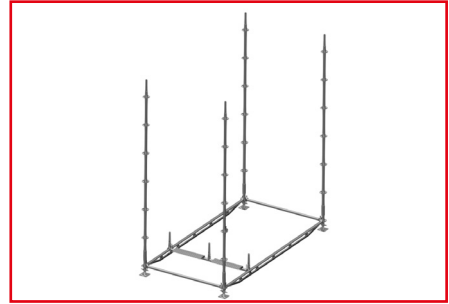


Fig. 6.

Step 7

Place a 1.0m Standard over one of the outer spigots of the EasyStair Transom (this should be the opposite side to which the first stair unit is positioned), then connect with two 0.75m Ledgers to the nearest outer Standard, driving home the wedges as previously described (Fig. 7).

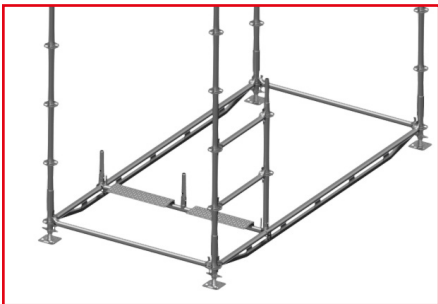


Fig. 7.

Step 8

Fit the base level's platform using two standard 1.5m x 0.3m or three 1.5m x 0.2m Metrix Steel Decks, remembering to engage the anti-uplift devices (Fig. 8).

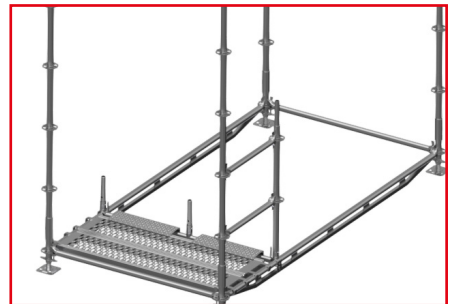


Fig. 8.

Basic Installation Procedure

Step 9

Place a second 1.0m Standard over the central spigot of the EasyStair Transom and connect to the first 1.0m Standard using two 0.75m Ledgers (Fig. 9).

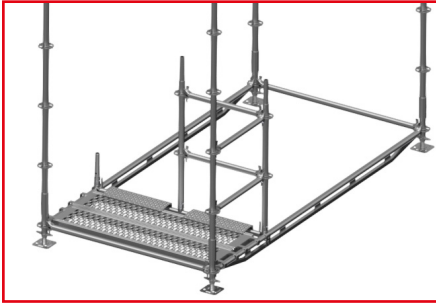


Fig. 9.

Step 10

Complete the lower guardrails as necessary, using 3.0m, 2.25m and 1.5m Ledgers as necessary. Drive the wedges home, as previously described (Fig. 10).

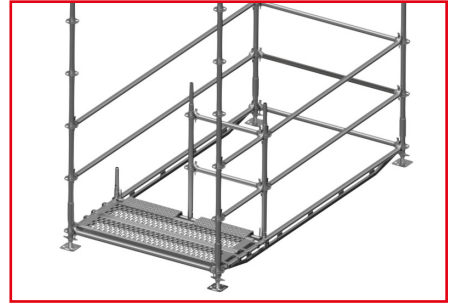


Fig. 10.

Step 11

Form the next lift at the desired height by connecting the 3.0m RH Reinforced Ledgers and 1.5m Ledgers to the rosettes in the standards, by locating the wedges in the appropriate hole. In this case the lift height is 2.0m, but can vary between 1.0m, 1.5m or 2.0m, depending on the requirement. As before, drive the wedges home as previously described (Fig. 11).



Fig. 11.

Step 12

Once the steel for the first level is complete, the face brace is fixed to the rosettes and should span from lift level to lift level, using appropriate sizes of brace for the bay size (Fig. 12).

Note: Please see page 28 for the frequency of brace required.

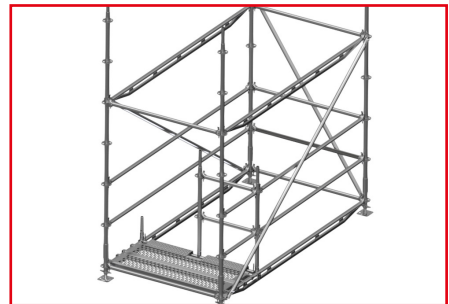


Fig. 12.

Basic Installation Procedure

Step 13

Using a Safe System of Work, form the first lift's guardrails as necessary, using 3.0m, 2.25m, 1.5m and 0.75m Ledgers as necessary. Drive the wedges home, as previously described. (Fig. 13).

Note: Where a 1.0m EasyStair unit is to be used, the top guardrail is replaced by 3.0m RH Reinforced Ledgers on the long side of the tower.

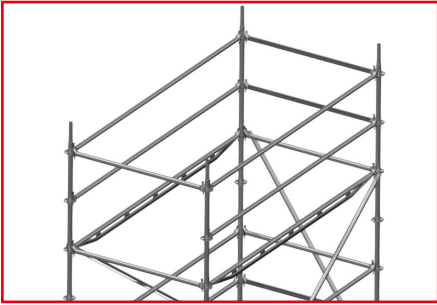


Fig. 13.

Step 14

Place a second EasyStair Transom in position on the first lift, 0.75m c/c from the standards, opposite face from the first transom (Fig. 14).

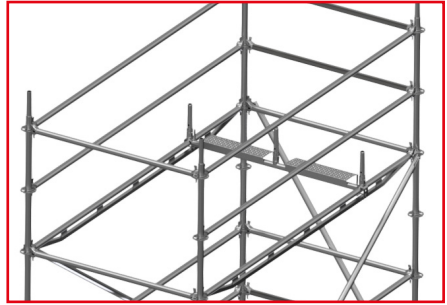


Fig. 14.

Step 15

Fix the appropriate size of EasyStair Unit to the two EasyStair Transoms, engaging the anti-uplift devices on the stairs and slot the M10 QR pins through the holes of the EasyStair transoms fixing devices, to prevent uplift as necessary (Fig. 15).



Fig. 15.

Step 16

Fix the EasyStair Cover Plate at the central spigot of the base lift's EasyStair Transom (Fig. 16).

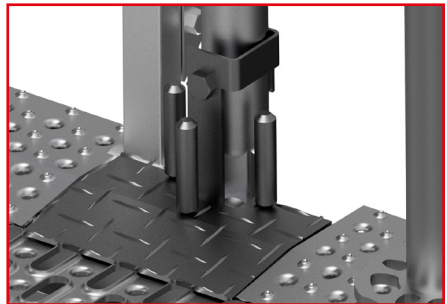


Fig. 16.

Basic Installation Procedure

Step 17

Fit the first lift's platform using two standard 1.5m x 0.3m or three 1.5m x 0.2m Metrix Steel Decks, remembering to engage the anti-uplift devices (Fig. 17).

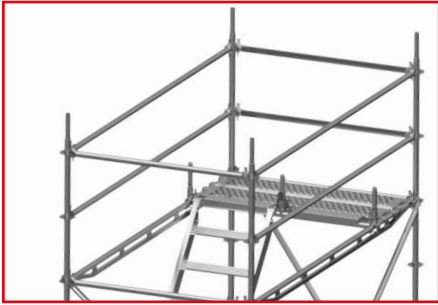


Fig. 17.

Step 18

Create a temporary platform in the remaining area of the first lift using standard 1.5m x 0.3m Metrix Steel Decks (or 1.5m x 0.2m Metrix Steel Decks) and a 1.5m x 0.6m Metrix Trap-deck (Fig. 18).

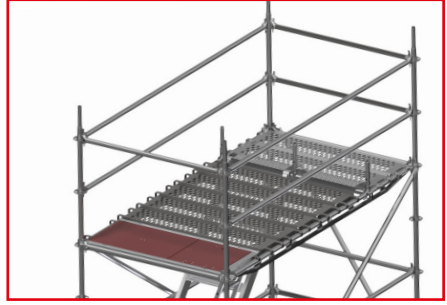


Fig. 18.

Step 19

Access the temporary platform / landing platform, then top out the standards (if necessary) with the appropriate length to give two rosettes above the next platform level, then create the second lift's structure by repeating Steps 11 to 14 (Fig. 19).

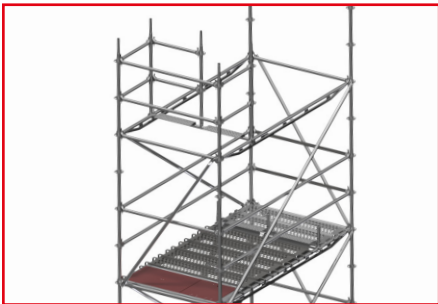


Fig. 19.

Step 20

Fix the appropriate sized toe boards to the first landing platform (Fig. 20).

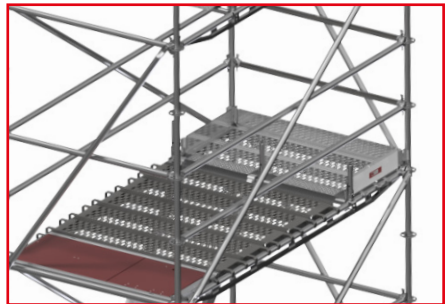


Fig. 20.

Basic Installation Procedure

Step 21

Fix the appropriate size of EasyStair Unit to the first lift and second lift EasyStair Transoms, engaging the anti-uplift devices as necessary (Fig. 19).

Note: It may be necessary to remove one of the temporary platform's decks, in order to fix the second EasyStair unit.

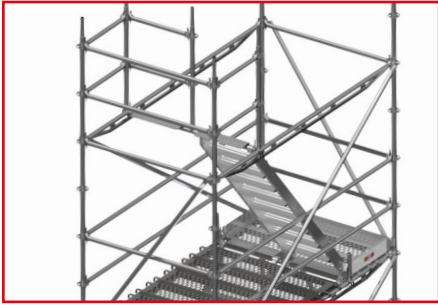


Fig. 21.

Step 22

Fit the second lift's platform using two standard 1.5m x 0.3m or three 1.5m x 0.2m Metrix Steel Decks, remembering to engage the anti-uplift devices (Fig. 17).

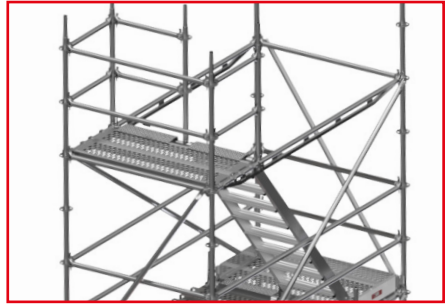


Fig. 22.

Step 23

Remove the temporary platform, then immediately fix the EasyStair guardrails to the stringers of the first EasyStair Unit, using the integrated fixing devices (Fig. 23).



Fig. 23.

Step 24

Fix the EasyStair Cover Plate at the central spigot of the first lift's EasyStair Transom (Fig. 24).



Fig. 24.

Basic Installation Procedure

Step 25

Where the tower requires further lifts, create a temporary platform in the remaining area of the second lift, then continue erecting as per the previously described processes. However, in this case, the tower is at the desired height, therefore, fix the EasyStair guardrails to the stringers of the second EasyStair Unit, using the integrated fixing devices (Fig. 25).

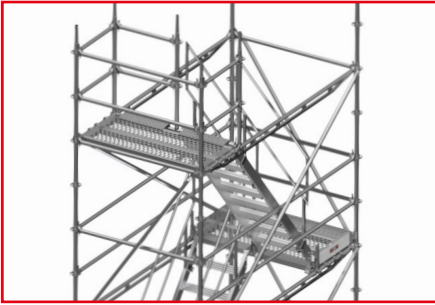


Fig. 25.

Step 26

To complete the structure, fix the EasyStair Cover Plate at the central spigot of the final lift's EasyStair Transom and fit the appropriate sized toe-boards as required (Fig. 26).

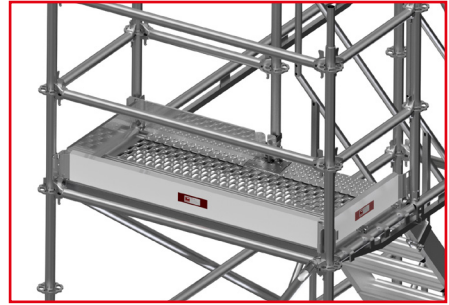


Fig. 26.

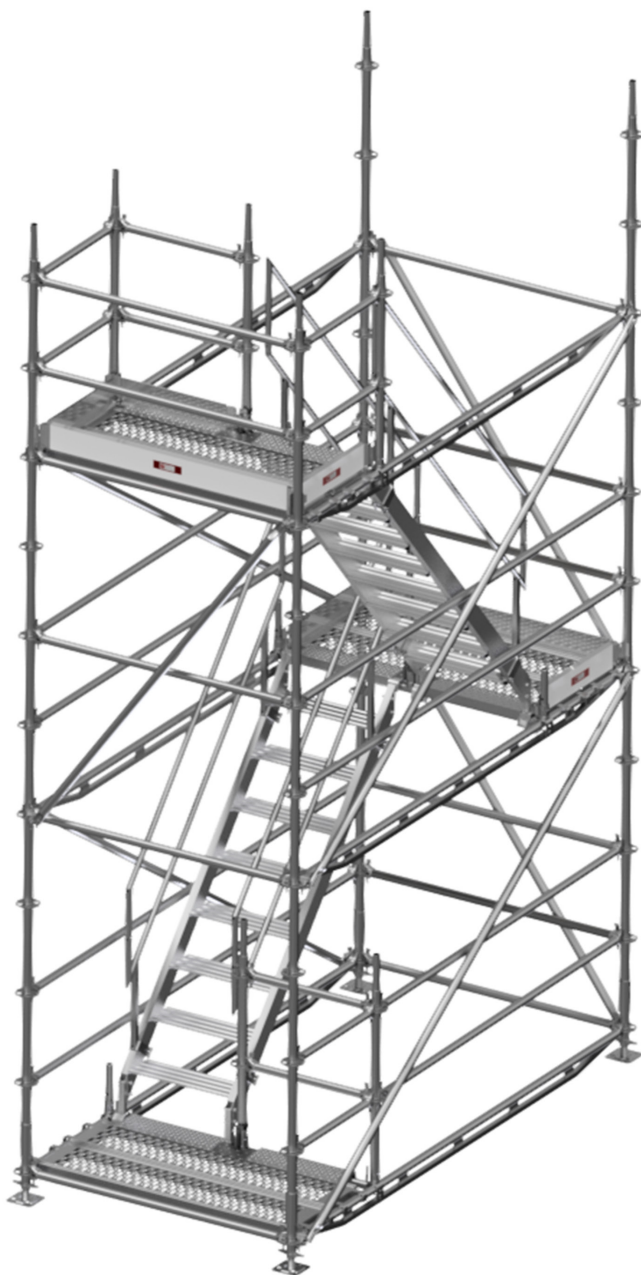


Fig. 27.

Note: Like all scaffolds, the Plettac Metrix EasyStair tower requires to be tied to a supporting structure, the frequency and further details on this requirement can be found on page 30.

Basic Dismantling Procedure

Step 1

Prior to commencing work, make sure all method statements, risk assessments and permits are in place.

Step 2

Check that the scaffold is still in the properly erected condition. Make sure that all components and ties have not been interfered with, and all platforms are clear of any loose material and debris prior to dismantling.

Step 3

Decide on the safe lowering method by which the components shall be removed to the ground, for example hand to hand, crane, hoist, forklift truck or hand-line. Under no circumstances should 'bombing' be used to lower equipment. Once the components are safely on the ground they should be stacked neatly ready for transportation.

Step 4

Remove the top lift's toe-boards and central cover plate, then transfer to the ground.

Step 5

Remove the Guardrails from the top EasyStair unit and transfer to the ground.

Step 6

Remove the second from top level's toe-boards and central cover plate, then, again, transfer to the ground.

Step 7

Remove the guardrails of the second from top EasyStair unit, then immediately create a temporary platform in the remaining area of the second from top lift, using standard 1.5m x 0.3m Metrix Steel Decks (or 1.5m x 0.2m Metrix Steel Decks) and a 1.5m x 0.6m Metrix Trap-deck.

Step 8

Access the temporary platform from directly below, then progressively remove all decks from the top lift, followed by the EasyStair unit, the top lift's guardrails, transoms, ledgers and vertical brace. These components should be lowered to the ground safely.

Note: Ties should be dismantled progressively, and only be removed when they prevent further dismantling.

Step 9

Using the temporary platform, remove any topped-out standards if required and lower to the ground.

Step 10

Remove the temporary platform then repeat the above process until the ground level is reached.

Step 11

At ground level, once the EasyStair has been removed and the first lift above has been dismantled, remove all standards from the collars, then remove all ledgers from the rosette of the collars. Once the collars are no longer connected to one another, remove them from the adjustable base jacks.

Step 12

If any element of this dismantling sequence cannot be complied with, please seek advice from your local Altrad Hire & Sales depot, details of which can be found on the rear cover of this guide.

GUIDANCE NOTE

Always make sure that any remaining scaffold is left in a safe and secure condition.

When dismantling long elevations of PLETTAC METRIX scaffolding it may be easier to dismantle the scaffold in sections (i.e. five or six bays at a time).

Bracing

Diagonal Face Bracing

PLETTAC METRIX system scaffolding requires a certain amount of diagonal face brace to eliminate any tendency for the scaffold to distort or sway, and the EasyStair is no exception.

The EasyStair tower must have suitable sized vertical diagonal bracing fixed from node point to node point (lift level to lift level) on both 3.0m sides of the structure. However, where the EasyStair is part of a larger scaffold structure, the inner brace may be dispensed with to allow for side exits, only in the case where adequate vertical diagonal bracing (face bracing) is present and positioned correctly on the main structure.

Ledger Bracing

PLETTAC METRIX EasyStair towers require ledger bracing under normal use. Ledger bracing is fixed to both 1.5m sides of the tower from node point to node point

Plan Bracing

PLETTAC METRIX EasyStair structures only require plan bracing under certain conditions, and only external to the tower (wing-ties), as, if used internally, the plan brace would impede access.

As stated below, where systemised brace is not available, the use of scaffold tube and couplers is acceptable as an alternative, in all cases, tubes of the appropriate length can be fixed to the standards with right angled couplers within 300mm of the node point, directly below the lift.

Plan bracing may also be required where ties cannot be located in their correct positions. For information relating to this, or any other situation not detailed, please refer to a competent temporary works / scaffold design engineer.

Note: Where systemised brace is not available, the use of BS EN 39 Type 4 tube, S355 48.3 x 3.2mm cold formed tube manufactured to BS EN 10219-1 or S355 48.3 x 3.2mm hot finished tube manufactured to BS EN 10210-1 are all acceptable as an alternative, used in conjunction with and BS EN 74 load-bearing couplers.

Loading

Load Data

Three methodologies have been used when analysing the EasyStair, allowing three different personnel capacity tables to be generated.

The first scenario is in accordance with BS EN 12811 whereby a service load of 1 kPa is required to be applied to a maximum of 10m of working lifts, which translates to 5 total 2.0m high working lifts. The second model utilises having all lifts as working lifts, with the same 1 kPa service load, and thirdly the EasyStair has been analysed with an increased service load of 4 kPa.

In all analyses, environmental loads were taken into account; with a working wind in accordance to BS EN 12811-1 of 0.2 kPa parallel and perpendicular to the building, while an allowance for snow and heavy rain has been applied to the structure at 0.1 kPa.

Load Imposed Upon the Foundations of a PLETTAC METRIX Scaffold

The foundations for a EasyStair structure should be adequate to carry and disperse the loads imposed, both locally at each standard and, in general, to carry the whole weight of the scaffold.

The responsibility for the adequacy of the foundations should be established and approved prior to erection.

The client for the scaffold and / or the contractor may need to be consulted. The foundation for an EasyStair structure should be maintained in an adequate condition during the life of the scaffold. Regular inspection procedures must be completed in line with current legislation and the use of the tower should be suspended if there is found to be any loss of support.



Tying

Forces Upon the Building Structure From Ties

All access scaffolds will impose forces upon the structure they are fixed to, through their ties. An assessment should be initially made regarding the ability of the structure they are fixed to, either globally, due to its own instability, or locally, as a result of defective finishes. Loadings from the ties into the supporting structure are dependent upon the live loading to the working platforms, the height of the scaffold, the wind loading imposed upon the scaffold, and the cladding status of the building. Where ties cannot be positioned in the correct pattern, qualified design input must be sought.

Tie Connections

Appropriate continuous lengths of tube, or proprietary tie tubes should be fitted to the inside and outside standards or ledgers of the EasyStair structure.

The positioning of the tie axis must be within 300mm of the node point, although within 150mm is considered good practice. Where required to satisfy the Headroom Class, H2, of BS EN 12811-1, the tie axis must be no more than 200mm from the node point.

Standard BS EN 39 Type 4 tube, S355 48.3 x 3.2mm cold formed tube manufactured to BS EN 10219-1 or S355 48.3 x 3.2mm hot finished tube manufactured to BS EN 10210-1, used in conjunction with and BS EN 74 load-bearing couplers can be used to form the tie connection in conjunction with a proprietary tie system (Figs. 35 & 36).

Note: Where ties cannot be positioned within 300mm of the node point, or where clear headroom is required, standard or light duty ties may be fixed to only the inside standards or ledgers. However, qualified design input must be sought from a competent temporary works scaffold design engineer, regarding their design and positioning.

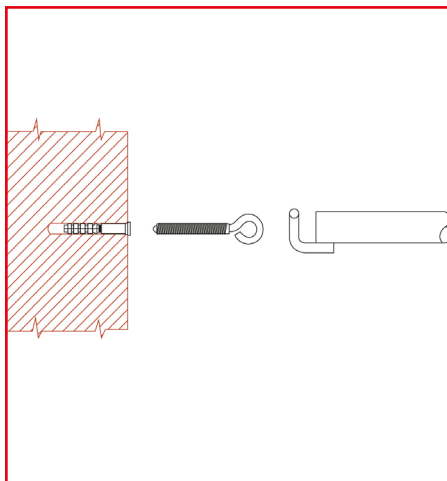


Fig. 28.

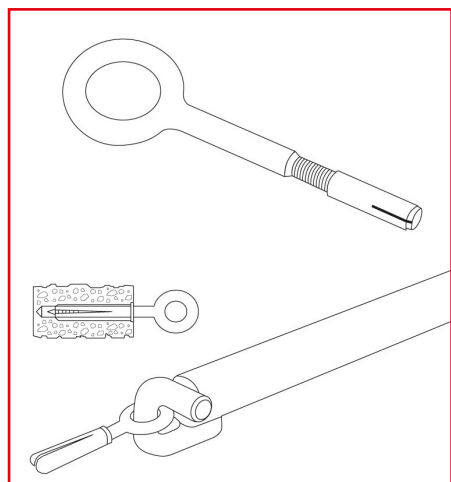


Fig. 29.

Tying

In addition to masonry anchors, the following tie assemblies (Figs. 30 - 31) may also be used to ensure the stability of the PLETTAC METRIX system. Where suggested configurations cannot be used, qualified design input must be sought. Other forms of mechanical fixing may also be employed, such as resin anchors, however, qualified design input must be sought with the suitability of such systems being determined by the manufacturer.

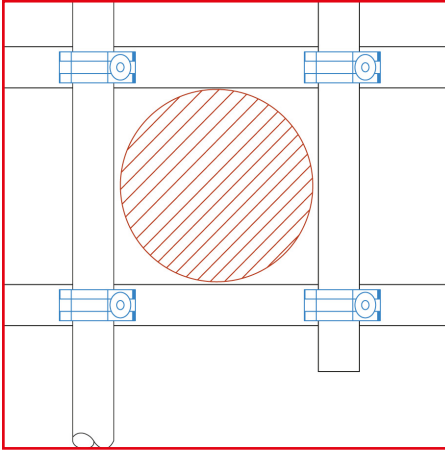


Fig. 30.

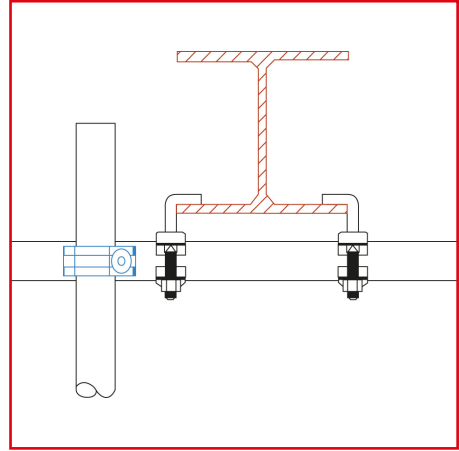


Fig. 31.

Tie Frequency

Starting at 4m high maximum, the PLETTAC METRIX EasyStair tower should be tied to the supporting structure at every second lift (i.e. 4.0m maximum vertical centres) using horizontal ties at each side, which are securely fixed to the existing structure and to both the inner and outer standards.

Where the shorter 1.5m face of the tower is constructed parallel to the existing structure, additional ties are required. These ties should be applied at each lift from the outer standards at 45 degrees back to the existing structure. These additional ties are to be securely fixed to the existing structure and this fixing is assumed to be capable of resisting horizontal forces both parallel and perpendicular to the plane of the supporting structure.

Note: Where ties cannot be positioned in the correct pattern, qualified design input must be sought.

Tie Proof Load Testing

A minimum of three ties must be tested and at least 5% (1 in 20) thereafter. These should be chosen at random and spread evenly throughout the structure.

Safe Working Heights of The Plettac Metrix EasyStair

The maximum height to which a PLETTAC METRIX EasyStair tower may be erected is dependant upon a number of factors, the most important of which are:

- The vertical and horizontal distances between tied points on a standard.
- The lift height.
- Wind loading.
- The vertical loadings in the legs due to the self-weight, and the platform / stair loading.

The EasyStair tower safe height tables are based on a maximum height of 36m, heights above this are possible but these should be referred to a competent temporary works engineer.

The Safe Working Height table is based on:

- Tie patterns being adhered to at all times.
- Maximum 2.0m lift heights.
- PLETTAC METRIX scaffold's wind loads being calculated to BS EN 12811, where the "in service" wind speed is 18.1m/s (0.2kPa), and the "out of service" wind speed varies between 20m/s and 40m/s. Localised conditions may result in " S_{WIND} " values outside of these parameters, the wind velocity pressures may either be lower than, or exceed those utilised within the calculations from which the tables are derived. Towers located to the edges of cliffs or escarpments, in coastal locations or fixed to tall structures surrounded by other tall structures (which may cause funnelling of the wind pressure), are all susceptible to significant increases in wind pressure due to local effects. In all these instances it is recommended that advice is sought from a competent temporary works / scaffold design engineer.

- For the purposes of this guide the EasyStair tower is assumed to be unclad and free from netting and sheeting, such that the only area presented to the wind is that of the components of the tower.

The safe height table and section capacities contained within this EasyStair user guide are based upon live loading from the intended use only. Although an allowance for snow and heavy rain has been applied to the structure at 0.1 kPa, an additional loading may accrue on the working platforms or components as a consequence of atmospheric precipitations such as ice, snow, sand or dust. The working processes may also cause debris such as sand, grit or demolition debris to accumulate on the platforms or components, which will also increase the live loading above that allowed for. Where this is seen to occur or is expected to occur, further guidance should be sought from a competent temporary works / scaffold design engineer, which may result in a downgrading of the Load Class of the scaffold.

The safe heights are based upon 2.0m lift heights, where 1.5m and 1.0m lifts are used the overall height of the scaffold must be reduced to accommodate the use of these shorter lifts.

The parameters detailed in this manual are based on calculations, and are the results of extensive testing by accredited independent testing facilities.

PLETTAC METRIX has achieved the status of an NASC approved system, and complies fully with the NASC's Code of Practice.

Safe Working Heights of The Plettac Metrix EasyStair

Out of Service Condition

Wind Speed V_b (ms ⁻¹) Value to be ascertained subject to site	Max Tower Height (m)	
	3.0m (Long) Face Parallel to Building	1.5m (Short) Face Parallel to Building
20	66	68
24	64	68
28	64	66
32	60	66
36	58	64
40	56	64
Derived from the Out of Service Condition - In Service acceptable height is dependent on the loading condition; with 5 x lifts at 1.0 kPa loading (to BS EN 12811), with 1.0 kPa to all lifts or 4.0 kPa to all lifts, the individual heights are detailed in the tables below.		

In-Service Condition with 1.0kPa Loading to 5 Lifts (BS EN 12811)

Wind Speed V_b (ms ⁻¹) Value to be ascertained subject to site	Max Tower Height (m)	
	3.0m (Long) Face Parallel to Building	1.5m (Short) Face Parallel to Building
18.1	54	60

In-Service Condition with 1.0kPa Loading to All Lifts

Wind Speed V_b (ms ⁻¹) Value to be ascertained subject to site	Max Tower Height (m)	
	3.0m (Long) Face Parallel to Building	1.5m (Short) Face Parallel to Building
18.1	34	34

In-Service Condition with 4.0kPa Loading to All Lifts

Wind Speed V_b (ms ⁻¹) Value to be ascertained subject to site	Max Tower Height (m)	
	3.0m (Long) Face Parallel to Building	1.5m (Short) Face Parallel to Building
18.1	12	14

Personnel Capacities

Tower Height (m)	Maximum Number of Personnel		
	1.0 kPa to 5 lifts	1.0 kPa to every lift	4.0 kPa to every lift
2	2	2	9
4	4	4	18
6	6	6	27
8	9	9	36
10	11	11	45
12	11	13	55
14	11	16	64
16	11	18	-
18	11	20	-
20	11	22	-
22	11	25	-
24	11	27	-
26	11	29	-
28	11	32	-
30	11	34	-
32	11	36	-
34	11	38	-
36	11	-	-
38	11	-	-
40	11	-	-
42	11	-	-
44	11	-	-
46	11	-	-
48	11	-	-
50	11	-	-
52	11	-	-
54	11	-	-
56	11	-	-
58	11	-	-
60	11	-	-

Note: Tower heights are based upon 2.0m lift heights, where smaller lift heights are used the height of the tower must be reduced, e.g. 30m in 2.0m lifts = 15 lifts = 15m in 1.0m lifts.

Typical Quantities

Note: Quantities include for all equipment required to erect staircase to current SG4 guidelines.

PLETTAC METRIX Typical EasyStair, Front Entrance, One Side Exit at The Top Only.

Code	Description	1.5	2.0	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
285001	4.0m Metrix Standard			4					4	4		8	4	4
285005	3.0m Metrix Standard		4			4	4			4	4			4
285010	2.5m Metrix Standard	4			4		4	4	4		4		4	
285015	2.0m Metrix Standard				4	4		4			4		4	2
285020	1.5m Metrix Standard							4						
285025	1.0m Metrix Standard	5	5	5	5	5	5	5	5	5	5	5	5	5
285030	0.5m Metrix Standard			1							1			
285070	Metrix Base Collar	4	4	4	4	4	4	4	4	4	4	4	4	4
285080	0.61m Metrix Base Jack	4	4	4	4	4	4	4	4	4	4	4	4	4
285101	3.0m Metrix Ledger	2	2	5	6	6	10	10	10	10	13	14	14	14
285104	2.25m Metrix Ledger	6	6	5	6	6	6	6	6	6	5	6	6	6
285109	1.5m Metrix Ledger	10	10	14	14	14	19	19	19	19	24	24	24	24
285113	0.75m Metrix Ledger	10	10	9	10	10	10	10	10	10	9	10	10	10
285131	3.0m Metrix RH Reinforced Ledger	4	4	6	6	6	8	8	8	8	10	10	10	10
285201	3.0m X 2.0m Metrix Diagonal Brace		2	2	2	4		2	4	6	4	4	6	8
285215	1.5m X 2.0m Metrix Diagonal Brace		2	2	2	4		2	4	6	4	4	6	8
285226	3.0m X 1.5m Metrix Diagonal Brace	2			2		6	4	2		2	4	2	
285229	1.5m X 1.5m Metrix Diagonal Brace	2			2		6	4	2		2	4	2	
285231	3.0m X 1.0m Metrix Diagonal Brace			2							2			
285234	1.5m X 1.0m Metrix Diagonal Brace			2							2			
285239	1.5m X 0.5m Metrix Diagonal Brace													
285306	1.5m X 0.3m Metrix Steel Deck	5	5	12	12	12	14	14	14	14	16	16	16	16
285380	1.5m X 0.6m Metrix Comp. Trap-deck			1	1	1	1	1	1	1	1	1	1	1
285382	2.07m Metrix Aluminium Ladder			1	1	1	1	1	1	1	1	1	1	1
285415	1.5m Metrix Steel Toe-board	1	1	2	2	2	3	3	3	3	4	4	4	4
285423	0.75m Metrix Steel Toe-board	2	2	4	4	4	6	6	6	6	8	8	8	8
285430	0.5m Metrix Steel Toe-board			1							1			
285978	1.5m Metrix EasyStair Transom	2	2	3	3	3	4	4	4	4	5	5	5	5
285980	2.0m Metrix EasyStair (8 Step)		1	1	1	2		1	2	3	2	2	3	4
285982	1.5m Metrix EasyStair (6 Step)	1			1		3	2	1		1	2	1	
285984	1.0m Metrix EasyStair (4 Step + Landing)			1							1			
285986	2.0m Metrix EasyStair Guardrail		2	2	2	4		2	4	6	4	4	6	8
285988	1.5m Metrix EasyStair Guardrail	2			2		6	4	2		2	4	2	
285990	1.0m Metrix EasyStair Guardrail			2							2			
285992	Toe-board Clip for 1.0m Metrix EasyStair			1							1			
285994	Entry Step Support for Metrix EasyStair	2	2	2	2	2	2	2	2	2	2	2	2	2
285996	Centre Cover Plate for Metrix EasyStair	2	2	3	3	3	4	4	4	4	5	5	5	5
080203	M10 Quick Release Pins	6	6	10	10	10	13	13	13	13	16	16	16	16

Typical Quantities

PLETTAC METRIX Typical EasyStair, Front Entrance, One Side Exit at The Top Only.

Code	Description	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	20.0	22.0	24.0
285001	4.0m Metrix Standard	8	8	8	8	12	12	12	12	16	16	16	20	20
285005	3.0m Metrix Standard		4		4		4		4		4	4	4	4
285010	2.5m Metrix Standard													
285015	2.0m Metrix Standard	4		8	4	4		8	4	4		4		4
285020	1.5m Metrix Standard													
285025	1.0m Metrix Standard	5	5	5	5	5	5	5	5	5	5	5	5	5
285030	0.5m Metrix Standard	1		1		1		1		1				
285070	Metrix Base Collar	4	4	4	4	4	4	4	4	4	4	4	4	4
285080	0.61m Metrix Base Jack	4	4	4	4	4	4	4	4	4	4	4	4	4
285101	3.0m Metrix Ledger	17	18	21	22	25	26	29	30	33	34	38	42	46
285104	2.25m Metrix Ledger	5	6	5	6	5	6	5	6	5	6	6	6	6
285109	1.5m Metrix Ledger	29	29	34	34	39	39	44	44	49	49	54	59	64
285113	0.75m Metrix Ledger	9	10	9	10	9	10	9	10	9	10	10	10	10
285131	3.0m Metrix RH Reinforced Ledger	12	12	14	14	16	16	18	18	20	20	22	24	26
285201	3.0m X 2.0m Metrix Diagonal Brace	8	10	10	12	12	14	14	16	16	18	20	22	24
285215	1.5m X 2.0m Metrix Diagonal Brace	8	10	10	12	12	14	14	16	16	18	20	22	24
285226	3.0m X 1.5m Metrix Diagonal Brace													
285229	1.5m X 1.5m Metrix Diagonal Brace													
285231	3.0m X 1.0m Metrix Diagonal Brace	2		2		2		2		2				
285234	1.5m X 1.0m Metrix Diagonal Brace	2		2		2		2		2				
285239	1.5m X 0.5m Metrix Diagonal Brace													
285306	1.5m X 0.3m Metrix Steel Deck	18	18	20	20	22	22	24	24	26	26	28	30	32
285380	1.5m X 0.6m Metrix Comp. Trap-deck	1	1	1	1	1	1	1	1	1	1	1	1	1
285382	2.07m Metrix Aluminium Ladder	1	1	1	1	1	1	1	1	1	1	1	1	1
285415	1.5m Metrix Steel Toe-board	5	5	6	6	7	7	8	8	9	9	10	11	12
285423	0.75m Metrix Steel Toe-board	10	10	12	12	14	14	16	16	18	18	20	22	24
285430	0.5m Metrix Steel Toe-board	1		1		1		1		1				
285978	1.5m Metrix EasyStair Transom	6	6	7	7	8	8	9	9	10	10	11	12	13
285980	2.0m Metrix EasyStair (8 Step)	4	5	5	6	6	7	7	8	8	9	10	11	12
285982	1.5m Metrix EasyStair (6 Step)													
285984	1.0m Metrix EasyStair (4 Step + Landing)	1		1		1		1		1				
285986	2.0m Metrix EasyStair Guardrail	8	10	10	12	12	14	14	16	16	18	20	22	24
285988	1.5m Metrix EasyStair Guardrail													
285990	1.0m Metrix EasyStair Guardrail	2		2		2		2		2				
285992	Toe-board Clip for 1.0m Metrix EasyStair	1		1		1		1		1				
285994	Entry Step Support for Metrix EasyStair	2	2	2	2	2	2	2	2	2	2	2	2	2
285996	Centre Cover Plate for Metrix EasyStair	6	6	7	7	8	8	9	9	10	10	11	12	13
080203	M10 Quick Release Pins	19	18	22	21	25	24	28	27	31	30	33	36	39

Typical Quantities

Typical PLETTAC METRIX EasyStair, front entrance, 2.0m lift heights with side exits every lift.

Code	Description	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0
285001	4.0m Metrix Standard			4	4	8	8	12	12	16	16	20	20	24
285005	3.0m Metrix Standard	4	4	4	4	4	4	4	4	4	4	4	4	4
285010	2.5m Metrix Standard													
285015	2.0m Metrix Standard		4		4		4		4		4		4	
285020	1.5m Metrix Standard													
285025	1.0m Metrix Standard	5	6	7	8	9	10	11	12	13	14	15	16	17
285030	0.5m Metrix Standard													
285070	Metrix Base Collar	4	4	4	4	4	4	4	4	4	4	4	4	4
285080	0.61m Metrix Base Jack	4	4	4	4	4	4	4	4	4	4	4	4	4
285101	3.0m Metrix Ledger	2	4	6	8	10	12	14	16	18	20	22	24	26
285104	2.25m Metrix Ledger	6	8	10	12	14	16	18	20	22	24	26	28	30
285109	1.5m Metrix Ledger	9	14	19	24	29	34	39	44	49	54	59	64	69
285113	0.75m Metrix Ledger	8	8	8	8	8	8	8	8	8	8	8	8	8
285131	3.0m Metrix RH Reinforced Ledger	4	6	8	10	12	14	16	18	20	22	24	26	28
285201	3.0m X 2.0m Metrix Diagonal Brace	2	4	6	8	10	12	14	16	18	20	22	24	26
285215	1.5m X 2.0m Metrix Diagonal Brace	2	4	6	8	10	12	14	16	18	20	22	24	26
285226	3.0m X 1.5m Metrix Diagonal Brace													
285229	1.5m X 1.5m Metrix Diagonal Brace													
285231	3.0m X 1.0m Metrix Diagonal Brace													
285234	1.5m X 1.0m Metrix Diagonal Brace													
285239	1.5m X 0.5m Metrix Diagonal Brace													
285306	1.5m X 0.3m Metrix Steel Deck	5	12	14	16	18	20	22	24	26	28	30	32	34
285380	1.5m X 0.6m Metrix Comp. Trap-deck		1	1	1	1	1	1	1	1	1	1	1	1
285382	2.07m Metrix Aluminium Ladder		1	1	1	1	1	1	1	1	1	1	1	1
285415	1.5m Metrix Steel Toe-board	1	2	3	4	5	6	7	8	9	10	11	12	13
285423	0.75m Metrix Steel Toe-board	2	3	4	5	6	7	8	9	10	11	12	13	14
285430	0.5m Metrix Steel Toe-board													
285978	1.5m Metrix EasyStair Transom	2	3	4	5	6	7	8	9	10	11	12	13	14
285980	2.0m Metrix EasyStair (8 Step)	1	2	3	4	5	6	7	8	9	10	11	12	13
285982	1.5m Metrix EasyStair (6 Step)													
285984	1.0m Metrix EasyStair (4 Step + Landing)													
285986	2.0m Metrix EasyStair Guardrail	2	4	6	8	10	12	14	16	18	20	22	24	26
285988	1.5m Metrix EasyStair Guardrail													
285990	1.0m Metrix EasyStair Guardrail													
285992	Toe-board Clip for 1.0m Metrix EasyStair													
285994	Entry Step Support for Metrix EasyStair	2	2	2	2	2	2	2	2	2	2	2	2	2
285996	Centre Cover Plate for Metrix EasyStair	2	3	4	5	6	7	8	9	10	11	12	13	14
080203	M10 Quick Release Pins	6	10	13	16	18	21	24	27	30	33	36	39	42

Typical Quantities

Typical PLETTAC METRIX EasyStair, rear entrance, 1.5m & 1.0m lift heights with rear exits every 2.5m.

Code	Description	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0
285001	4.0m Metrix Standard												
285005	3.0m Metrix Standard												
285010	2.5m Metrix Standard	4	8	12	16	20	24	28	32	36	40	44	48
285015	2.0m Metrix Standard												
285020	1.5m Metrix Standard												
285025	1.0m Metrix Standard	9	9	9	9	9	9	9	9	9	9	9	9
285030	0.5m Metrix Standard												
285070	Metrix Base Collar	4	4	4	4	4	4	4	4	4	4	4	4
285080	0.61m Metrix Base Jack	4	4	4	4	4	4	4	4	4	4	4	4
285101	3.0m Metrix Ledger	6	12	18	24	30	36	42	48	54	60	66	72
285104	2.25m Metrix Ledger	6	6	6	6	6	6	6	6	6	6	6	6
285109	1.5m Metrix Ledger	10	16	22	28	34	40	46	52	58	64	70	76
285113	0.75m Metrix Ledger	10	10	10	10	10	10	10	10	10	10	10	10
285131	3.0m Metrix RH Reinforced Ledger	6	10	14	18	22	26	30	34	38	42	46	50
285201	3.0m X 2.0m Metrix Diagonal Brace												
285215	1.5m X 2.0m Metrix Diagonal Brace	1	2	3	4	5	6	7	8	9	10	11	12
285226	3.0m X 1.5m Metrix Diagonal Brace	2	4	6	8	10	12	14	16	18	20	22	24
285229	1.5m X 1.5m Metrix Diagonal Brace	1	2	3	4	5	6	7	8	9	10	11	12
285231	3.0m X 1.0m Metrix Diagonal Brace	2	4	6	8	10	12	14	16	18	20	22	24
285234	1.5m X 1.0m Metrix Diagonal Brace	1	2	3	4	5	6	7	8	9	10	11	12
285239	1.5m X 0.5m Metrix Diagonal Brace	1	2	3	4	5	6	7	8	9	10	11	12
285306	1.5m X 0.3m Metrix Steel Deck	12	16	20	24	28	32	36	40	44	48	52	56
285380	1.5m X 0.6m Metrix Comp. Trap-deck	1	1	1	1	1	1	1	1	1	1	1	1
285382	2.07m Metrix Aluminium Ladder	1	1	1	1	1	1	1	1	1	1	1	1
285415	1.5m Metrix Steel Toe-board	1	2	3	4	5	6	7	8	9	10	11	12
285423	0.75m Metrix Steel Toe-board	5	9	13	17	21	25	29	33	37	41	45	49
285430	0.5m Metrix Steel Toe-board	1	2	3	4	5	6	7	8	9	10	11	12
285978	1.5m Metrix EasyStair Transom	3	5	7	9	11	13	15	17	19	21	23	25
285980	2.0m Metrix EasyStair (8 Step)												
285982	1.5m Metrix EasyStair (6 Step)	1	2	3	4	5	6	7	8	9	10	11	12
285984	1.0m Metrix EasyStair (4 Step + Landing)	1	2	3	4	5	6	7	8	9	10	11	12
285986	2.0m Metrix EasyStair Guardrail												
285988	1.5m Metrix EasyStair Guardrail	2	4	6	8	10	12	14	16	18	20	22	24
285990	1.0m Metrix EasyStair Guardrail	2	4	6	8	10	12	14	16	18	20	22	24
285992	Toe-board Clip for 1.0m Metrix EasyStair	1	2	3	4	5	6	7	8	9	10	11	12
285994	Entry Step Support for Metrix EasyStair	2	2	2	2	2	2	2	2	2	2	2	2
285996	Centre Cover Plate for Metrix EasyStair	3	5	7	9	11	13	15	17	19	21	23	25
080203	M10 Quick Release Pins	9	15	21	27	33	39	45	51	57	63	69	75

Typical Quantities

Typical PLETTAC METRIX EasyStair, rear entrance, 2.0m & 1.0m lift heights with side exits every 3.0m

Code	Description	3.0	6.0	9.0	12.0	15.0	18.0	21.0	24.0	27.0	30.0
285001	4.0m Metrix Standard	4	4	4	4	4	4	4	4	4	4
285005	3.0m Metrix Standard		4	8	12	16	20	24	28	32	36
285010	2.5m Metrix Standard										
285015	2.0m Metrix Standard										
285020	1.5m Metrix Standard										
285025	1.0m Metrix Standard	5	6	7	8	9	10	11	12	13	14
285030	0.5m Metrix Standard										
285070	Metrix Base Collar	4	4	4	4	4	4	4	4	4	4
285080	0.61m Metrix Base Jack	4	4	4	4	4	4	4	4	4	4
285101	3.0m Metrix Ledger	4	8	12	16	20	24	28	32	36	40
285104	2.25m Metrix Ledger	6	8	10	12	14	16	18	20	22	24
285109	1.5m Metrix Ledger	12	20	28	36	44	52	60	68	76	84
285113	0.75m Metrix Ledger	8	8	8	8	8	8	8	8	8	8
285131	3.0m Metrix RH Reinforced Ledger	6	10	14	18	22	26	30	34	38	42
285201	3.0m X 2.0m Metrix Diagonal Brace	2	4	6	8	10	12	14	16	18	20
285215	1.5m X 2.0m Metrix Diagonal Brace	2	4	6	8	10	12	14	16	18	20
285226	3.0m X 1.5m Metrix Diagonal Brace										
285229	1.5m X 1.5m Metrix Diagonal Brace										
285231	3.0m X 1.0m Metrix Diagonal Brace	2	4	6	8	10	12	14	16	18	20
285234	1.5m X 1.0m Metrix Diagonal Brace	2	4	6	8	10	12	14	16	18	20
285239	1.5m X 0.5m Metrix Diagonal Brace										
285306	1.5m X 0.3m Metrix Steel Deck	12	16	20	24	28	32	36	40	44	48
285380	1.5m X 0.6m Metrix Comp. Trap-deck	1	1	1	1	1	1	1	1	1	1
285382	2.07m Metrix Aluminium Ladder	1	1	1	1	1	1	1	1	1	1
285415	1.5m Metrix Steel Toe-board	2	4	6	8	10	12	14	16	18	20
285423	0.75m Metrix Steel Toe-board	3	5	7	9	11	13	15	17	19	21
285430	0.5m Metrix Steel Toe-board	1	2	3	4	5	6	7	8	9	10
285978	1.5m Metrix EasyStair Transom	3	5	7	9	11	13	15	17	19	21
285980	2.0m Metrix EasyStair (8 Step)	1	2	3	4	5	6	7	8	9	10
285982	1.5m Metrix EasyStair (6 Step)										
285984	1.0m Metrix EasyStair (4 Step + Landing)	1	2	3	4	5	6	7	8	9	10
285986	2.0m Metrix EasyStair Guardrail	2	4	6	8	10	12	14	16	18	20
285988	1.5m Metrix EasyStair Guardrail										
285990	1.0m Metrix EasyStair Guardrail	2	4	6	8	10	12	14	16	18	20
285992	Toe-board Clip for 1.0m Metrix EasyStair	1	2	3	4	5	6	7	8	9	10
285994	Entry Step Support for Metrix EasyStair	2	2	2	2	2	2	2	2	2	2
285996	Centre Cover Plate for Metrix EasyStair	3	5	7	9	11	13	15	17	19	21
080203	M10 Quick Release Pins	9	15	21	27	33	39	45	51	57	63

Typical Quantities

Typical PLETTAC METRIX EasyStair, rear entrance, 2.0 & 1.0m lift heights with rear exits every 3.0m.

Code	Description	3.0	6.0	9.0	12.0	15.0	18.0	21.0	24.0	27.0	30.0
285001	4.0m Metrix Standard	4	4	4	4	4	4	4	4	4	4
285005	3.0m Metrix Standard		4	8	12	16	20	24	28	32	36
285010	2.5m Metrix Standard										
285015	2.0m Metrix Standard										
285020	1.5m Metrix Standard										
285025	1.0m Metrix Standard	5	5	5	5	5	5	5	5	5	5
285030	0.5m Metrix Standard										
285070	Metrix Base Collar	4	4	4	4	4	4	4	4	4	4
285080	0.61m Metrix Base Jack	4	4	4	4	4	4	4	4	4	4
285101	3.0m Metrix Ledger	6	12	18	24	30	36	42	48	54	60
285104	2.25m Metrix Ledger	6	6	6	6	6	6	6	6	6	6
285109	1.5m Metrix Ledger	10	16	22	28	34	40	46	52	58	64
285113	0.75m Metrix Ledger	10	10	10	10	10	10	10	10	10	10
285131	3.0m Metrix RH Reinforced Ledger	6	10	14	18	22	26	30	34	38	42
285201	3.0m X 2.0m Metrix Diagonal Brace	2	4	6	8	10	12	14	16	18	20
285215	1.5m X 2.0m Metrix Diagonal Brace	2	4	6	8	10	12	14	16	18	20
285226	3.0m X 1.5m Metrix Diagonal Brace										
285229	1.5m X 1.5m Metrix Diagonal Brace										
285231	3.0m X 1.0m Metrix Diagonal Brace	2	4	6	8	10	12	14	16	18	20
285234	1.5m X 1.0m Metrix Diagonal Brace	2	4	6	8	10	12	14	16	18	20
285239	1.5m X 0.5m Metrix Diagonal Brace										
285306	1.5m X 0.3m Metrix Steel Deck	12	16	20	24	28	32	36	40	44	48
285380	1.5m X 0.6m Metrix Comp. Trap-deck	1	1	1	1	1	1	1	1	1	1
285382	2.07m Metrix Aluminium Ladder	1	1	1	1	1	1	1	1	1	1
285415	1.5m Metrix Steel Toe-board	1	2	3	4	5	6	7	8	9	10
285423	0.75m Metrix Steel Toe-board	5	9	13	17	21	25	29	33	37	41
285430	0.5m Metrix Steel Toe-board	1	2	3	4	5	6	7	8	9	10
285978	1.5m Metrix EasyStair Transom	3	5	7	9	11	13	15	17	19	21
285980	2.0m Metrix EasyStair (8 Step)	1	2	3	4	5	6	7	8	9	10
285982	1.5m Metrix EasyStair (6 Step)										
285984	1.0m Metrix EasyStair (4 Step + Landing)	1	2	3	4	5	6	7	8	9	10
285986	2.0m Metrix EasyStair Guardrail	2	4	6	8	10	12	14	16	18	20
285988	1.5m Metrix EasyStair Guardrail										
285990	1.0m Metrix EasyStair Guardrail	2	4	6	8	10	12	14	16	18	20
285992	Toe-board Clip for 1.0m Metrix EasyStair	1	2	3	4	5	6	7	8	9	10
285994	Entry Step Support for Metrix EasyStair	2	2	2	2	2	2	2	2	2	2
285996	Centre Cover Plate for Metrix EasyStair	3	5	7	9	11	13	15	17	19	21
080203	M10 Quick Release Pins	9	15	21	27	33	39	45	51	57	63

Other Products

ALTRIX Temporary Roof System

ALTRIX is an all aluminium modular temporary roofing and weather protection system, which utilises the slide sheet keder model.

ALTRIX is more than just a roof. The chords and vertical posts of the beams are manufactured from 48.3mm diameter alloy tube making them suitable for use in many normal scaffold applications.

With 3.0m, 2.5m, 2.0m and 1.5m bay sizes ALTRIX is designed to work particularly efficiently with PLETTAC METRIX, although it is not limited to this application. ALTRIX can be used with almost any scaffold type.

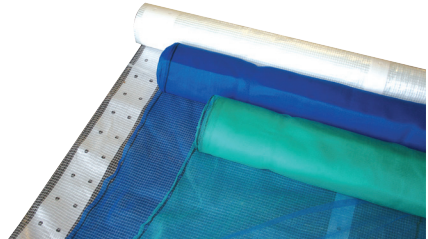


Scaffold Sheeting & Netting

Altrad Hire & Sales Sheeting and Debris Netting is a cost effective and versatile temporary containment and weather protection solution.

Altrad Hire & Sales Sheeting is manufactured from clear low-density polythene, reinforced with high-density polythene yarn.

Altrad Hire & Sales Debris Netting is manufactured from high-density polythene mono-filaments that have been UV stabilised.



Tools & Tool Holders



Harnesses & Lanyards



Other Products

Scaffold Tube



Fitting Bins



Scaffold Fittings



Post Pallets



Alloy Beams



Tags & Signs





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