ALTRAD GENERATION
HIRE & SALE

FORMWORK & FALSEWORK

PRODUCT GUIDE

IRELAND

2025/26

Altrad Generation Hire & Sale

Support for Construction & Industry

Altrad Generation is Ireland's leading supplier of: Scaffolding, Temporary Fencing, Light Access, Edge Protection, Safety Decking, Formwork, Falsework, and Groundworks for hire and sale.

OUR **CUSTOMER COMMITMENT** IS TO DELIVER:

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.

BEST **PARTNERSHIP**

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.

Contents

Formwork & Falsework

Wall & Column Formwork

ORMA Panel Formwork

Designed **to withstand high concrete pressures (certified by GSV).**

Permissible Concrete Pressure:

Panel 3.3m: 80kN/m²

Panel 2.7m: 74kN/m²

Maximum Deflection:

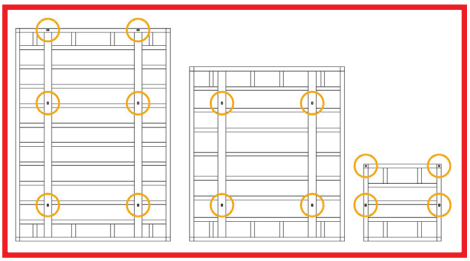
60kN/m² (Line 7, table 3 DIN 18202)

80kN/m² (Line 6, table 3 DIN 18202)

Range of Panels:

Panel Heights: 3.3m / 2.7m / 1.2m / 0.6m

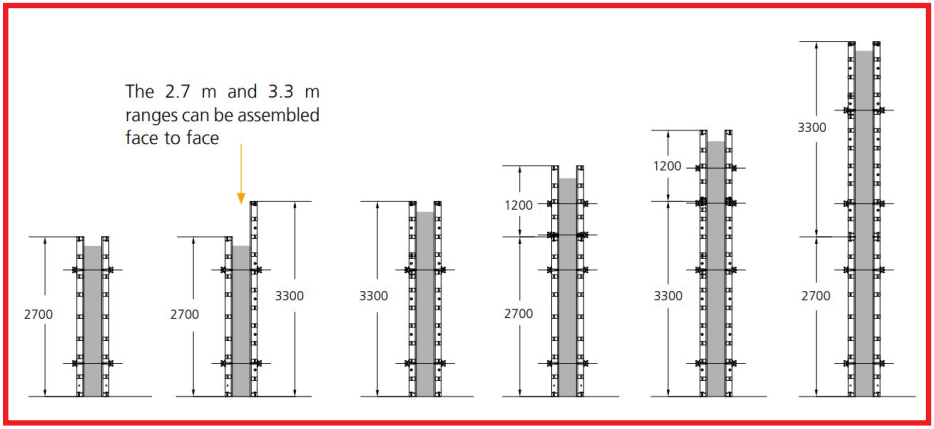
Panel Widths: 2.4m / 1.2m / 0.9m / 0.75m / 0.6m / 0.45m / 0.3m.



Concrete Pouring:

For a **concrete pouring height ≤ 3.3m**, 2 anchorages at heights are required.

For a **concrete pouring height ≥ 3.3m**, 3 anchorages at heights are required.



Wall & Column Formwork

TRIO

The focus of the universal TRIO wall formwork is on ensuring simple shuttering procedures and reduced shuttering times. Standard panels have only 6 different widths which allows easy handling and efficient logistics. With the BFD coupler for all connections as well as many other practical system solutions, TRIO has successfully proven itself in countless projects around the world.

TRIO is very versatile and efficient in its use – from residential construction and multi-storey structures through to applications in infrastructure projects. This ensures a high degree of utilisation and thus the cost-effectiveness of the system. Variants of the panel formwork, e.g. the aluminum version or for special surfaces, expands the range of applications.

The closed panel profiles of the TRIO provide high torsional stability. The excellent product quality guarantees a long service life. For all applications, TRIO fulfils the highest requirements regarding the evenness.

In addition, TRIO can be combined with the MAXIMO panel formwork system. Accessories, such as the BFD coupler or articulated corners, can be used on both systems.

GSV
geprüft
durch neutrales Prüfinstitut
Güteschutzverband
Betonschalungen

The standard TRIO panels are tested according to GSV guidelines.

Wall & Column Formwork

Maxima

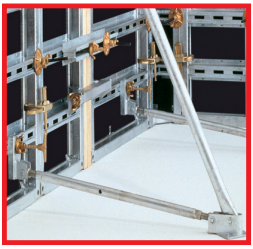
Maxima is a robust, versatile large-panel 80kN/m² wall formwork system, with column and stripping corner add-ons providing unrivalled flexibility. Its wide selection of standard panel sizes and easy-to-use clamping method combines simplicity and stability with significant reductions in costs, time and labour.

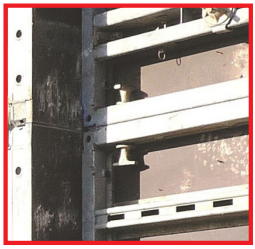
Applications:

- Walls
- Service cores
- Columns
- Basements
- Buttresses
- Culverts
- Circuar Walls (Faceted Finish)
- Foundations
- Abutments and piers

Advantages

- Supplied in 7 different widths and 3 different heights for unrivalled forming flexibility on site.
- 15mm or 20mm combination tie plates with captive wing nuts allows an 8 degree inclination of the form face.
- Integrated cast frame corners are fully welded at each corner position to the panel edge sections to facilitate the use of a crow bar for final adjustment.
- Provides protection to the 19.5mm thick Alkus composite sheet, set into the panel, riveted into position from the face side.
- All frames are hot dipped galvanised to ensure long life use of the panel without rusting.





Wall & Column Formwork

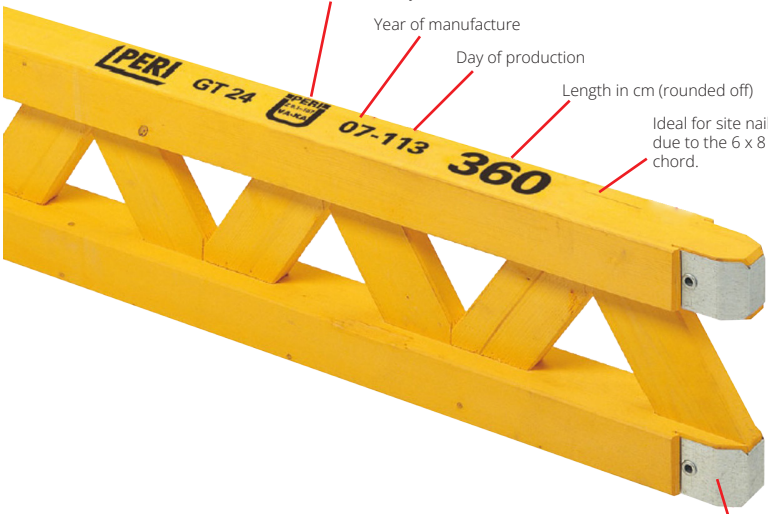
GT 24 Formwork Girder

The formwork girder as the main component of wall and slab formwork tends to determine whether your forms are cost effective. Rather than the initial loutlay, it is the service life and handling costs that are crucial.

PERI GT 24: Durability

High Load-bearing capacity

The GT 24 has been approved by the Deutsches Institut fur Bautechnik.



The struts penetrate the chords along the whole cross-section. There are practically no cavities which could trap water. The latticework design ensures that the GT 24 is well-ventilated when stacked.

Durability through the patented girder nodes with mini-dovetail jointing.

Wall & Column Formwork

VM 20 Beams

The design and the material used in the manufacture of the VM-20 Timber Beam guarantee a durable product, excellent as structural element for formwork.

The double T-section with a height of 200mm and a width of 80mm **resists strong impacts** due to protective plastic caps at the ends.

- There is a wide range of lengths available which allows of choosing the most appropriate in each case.
- Each beam is marked with the date of manufacture and length for traceability and identificaton.
- Certified Product that ensures quality.

Scope of application:

- Horizontal and Vertical Formwork
- Bridge and Tunnel Formwork
- Working Platforms.

Product Certifications:

- **Certified in accordance with European standard EN 13377** for prefabricated wooden beams for formwork.
- **PEFC:** Chain of custody

Wall & Column Formwork

SB Brace Frame

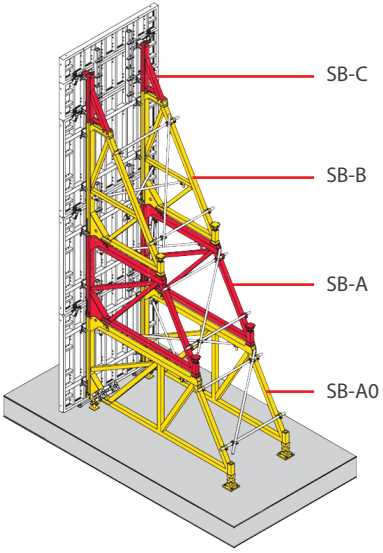
PERI Brace Frame SB for single-sided walls up to 8.75 m high

During single-sided concreting, the concrete pressure is transferred into the sub-structure by means of the SB Brace Frame.

The PERI brace frame modular system has been designed for concreting heights up to 8.75 m and a fresh concrete pressure up to a maximum of 60 kN/m².

The SB brace frames can be combined with all PERI wall formwork systems. All units can be quickly connected without any additional components. The required connecting parts are already mounted to each brace frame. All individual components are sized to conform with truck or container dimensions.

SB-B and SB-C brace frame units with PERI TRIO panel formwork, concreting height 3.50m.



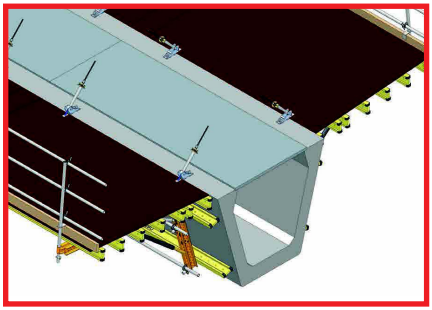
Concerting heights up to 8.75m using SB-A0, A, B and C brace frames.

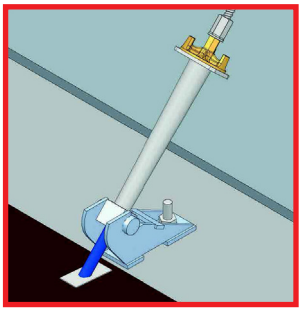
Bridge Formwork

HC Bracket for Bridges

Modular formwork used to concrete the wings of steel composite bridges, pre-cast concrete bridges or previously cast in situ bridges.

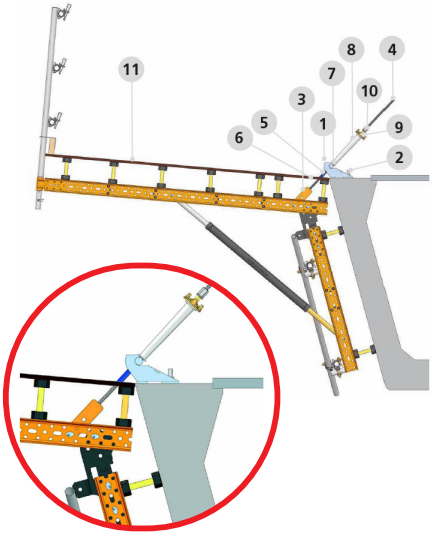
The system hangs from a number of tie rods, fixed onto a base placed on the precast beam or steel girder. Generally, this base is “lost” in the concrete, although if the project so requires, a solution may be considered to allow for its recovery.





One of the main features of the system is its safety. It allows for formwork to be assembled and dismantled from above, without the need for workers to access from below to perform any operation.

The system is formed of modular formwork and a number of auxiliary components which allow for it to be fixed to the precast beam or steel girder of the bridge.



1. HC Anchor Base (Lost Component)
2. Anchorage (Lost Component)
3. Bulkhead Head
4. Tie Rod 15
5. Spacer Tube 22/25 (Lost Component)
6. Steel Plate (Lost Component)
7. Cone Swivel Support (Lost Component)
8. Cone HC
9. Plate Nut 15
10. Hexag. Nut 15
11. Formwork

Props & Shoring

ALUPROP

Advantages:

- Lightweight: made of aluminium
- Resistant: great load capacity
- Inner tube protected against disengagement of the outer tube.
- Simple and fast length regulation
- Dual height regulation: due to aluprop screw jack.
- Self-cleaning thread: eliminate concrete sticking on the inner tube
- Fastening click between outer tube and nut
- Simple prop stripping thanks to the drive nut with holes and wings.

Flexible:

- Braceable prop with bracing frames or bracing hooks or tubes.
- Possibility of putting prop on prop. Allows the building of high-rise formwork.
- Allows intermediate working platforms.
- Falsework can be assembled at the ground level, horizontally. Favours ergonomics and workers' safety.

Props & Shoring

Adjustable Steel Props

Manufactured to BS4074:1982 and tested to BS5507-3:1982, Altrad Generation's Adjustable Steel Props are designed to support a range of formwork and falsework applications, floors, ceilings, openings and temporary beams.

Outer tube: 60.3mm Dia / Inner tube of 48.3mm Diameter. Head and Base Plates: 150x150x6mm to BS4360 with 38mm Dia. hole.

Code	Size	Height	Weight
PR0000	0	1.04m - 1.83m	12.95kg
PR0100	1	1.75m - 3.13m	18.64kg
PR0200	2	1.98m - 3.35m	19.55kg
PR0300	3	2.59m - 3.96m	22.57kg
PR0400	4	3.20m - 4.88m	26.36kg

Adjustable Steel Push-Pull Props

Adjustable Steel Push-Pull Props are designed for holding and plumbing single and double faced forms. The lower plate is fixed to a ground anchor with the top plate being fixed to the shutter The Adjustable Push-Pull Prop includes a standard Prop Collar with a additional Locking Collar to maintain rigidity as well as maximum safety. Head and Base Plates - 150 x 150 x 6mm to BS4360 with 38mm Dia. hole. Fully compliant to BS4074 and tested to BS5507.

Code	Size	Height	Weight
PR0600	0	1.140m - 1.829m	10.90kg
PR0700	1	1.850m - 3.124m	19.30kg
PR0800	2	2.080m - 3.352m	20.20kg
PR0900	3	2.690m - 3.962m	22.80kg
PR0904	4	3.300m - 4.876m	27.50kg

Props & Shoring

The Masonry Wall Support is used as an adaption to an Adjustable Steel Prop, conforming to BS4074:1982, to provide support to brickwork and other construction support structures.

Due to the Masonry Wall Supports robust dynamics, it can be fitted between courses on a double-skin, brick cavity wall from either side. Therefore providing a cost effective, efficient and safe construction component. The Masonry Wall Support is zinc plated, this ensures a long life and low maintenance product.

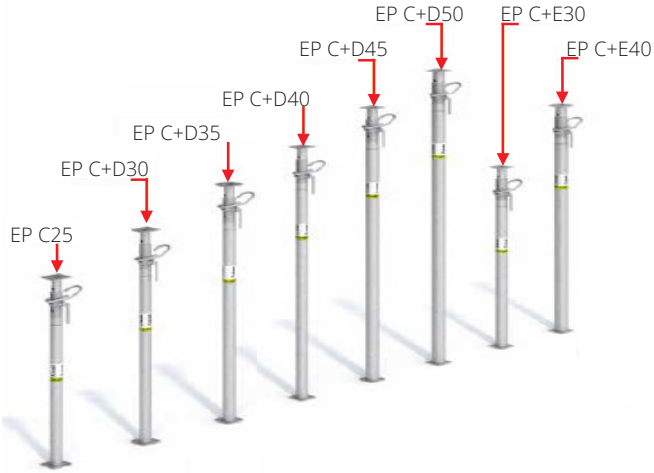
Code	Product	Weight
SBOY01	Strongboy®	5.80kg

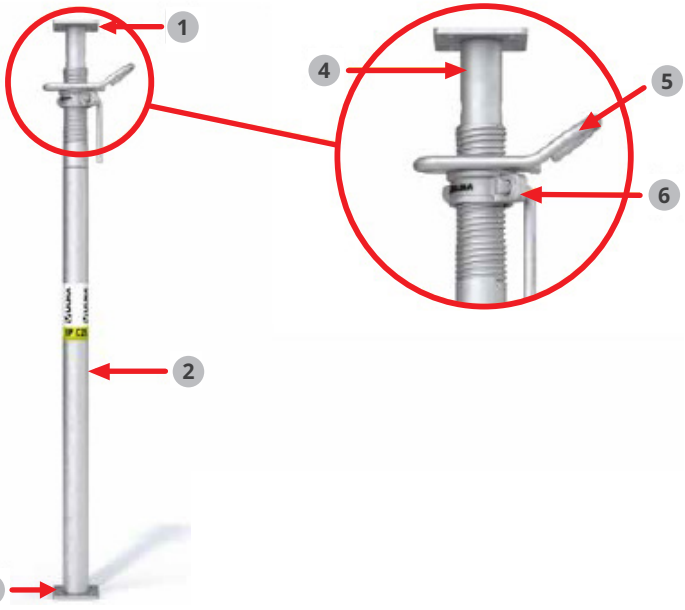
Props & Shoring

EP Props

Designed for the shoring of slab formwork and other several applications on site and ideal for jobs where **safety is the key factor.**

Our EP props have been designed based on the European Props standard.



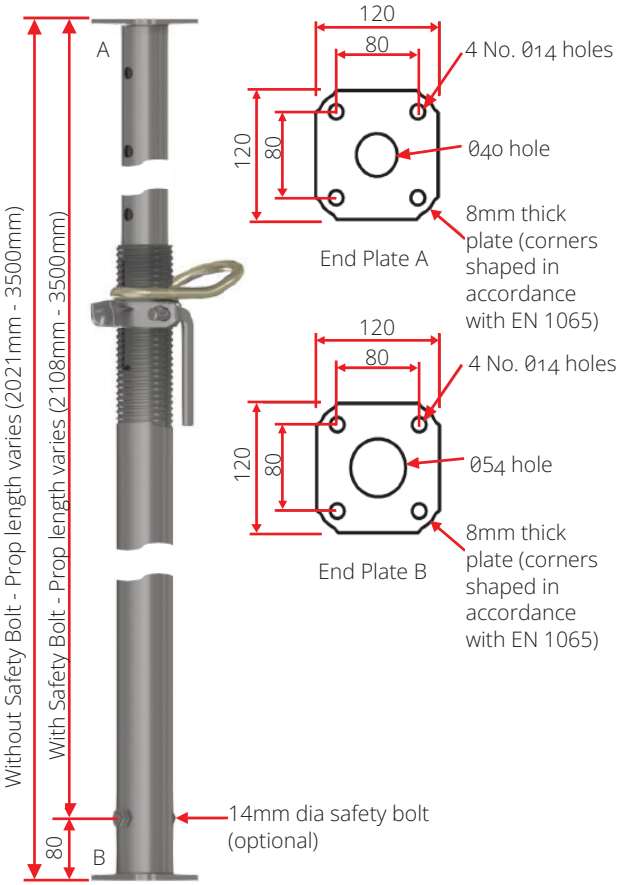


1. Plate
2. Outer Tube
3. Base Plate
4. Inner Tube
5. Cotter pin
6. Collar nut

Props & Shoring

E35 Prop

A lightweight versatile Class 'E' prop rated at 30kN AWL in accordance with EN 1065.



Extension (m)	AWL* (kN)
2.1	40
2.2	40
2.3	40
2.4	40
2.5	40
2.6	40
2.7	40
2.8	40
2.9	40
3.0	40
3.1	39
3.2	37
3.3	35
3.4	32
3.5	30

*Note: Load capacity depends upon correct installation of prop pin.

Props & Shoring

Megashor

Description:

One system with extensive applications. Megashor is an ultra high-duty modular propping system designed for axial loads of up to 1000kN. But its real strength lies in its versatility.
From heavy lifting towers to travellers for tunnel formwork, bracing for excavations, shoring and trusses, Megashor can be configured for a huge variety of applications.

Megashor is the outcome of more than 50 years experience gained on major projects throughout the world. What's more, our international network of local offices means that when you deal with Altrad Generation, you talk to people who understand the working environment, technical difficulties and the challenges you face.

Advantages:

- Nine strut sizes, ranging from 15mm to 5400mm, plus a full range of accessories means that Megashor can be assembled into props, towers and trusses of almost any length, all from standard components.
- Super Slim Soldiers provide restraint to Megashor and are available in nine lengths from 10mm to 3600mm. This gives ultimate flexibility when planning the sizes of towers and centres of props, therefore minimising the need for custom made equipment.
- A unique 1000kN axial load capacity and high axial stiffness ensures that Megashor will accommodate the rigours of heavy-duty falsework, cofferdams, bridge bearing replacement and façade retention applications.
- Megashor is approved for support of bridges open to live traffic - bridge bearing replacement work can be carried out with minimum disruption to traffic flows.
- Our quality assured manufacturing process, using close-tolerance jigs, ensures consistent and accurate fabrication, resulting in good assembly alignment on site, saving time, onsite modifications and labour costs.

Props & Shoring

Superslim

Description:

The Super Slim Soldier is the definitive formwork primary beam, with its unrivalled strength-to-weight ratio, versatility and range of accessories. Robust and easily assembled into beams of almost any length, the Super Slim Soldier can be re-used on site after site, without modification, for virtually any formwork or other temporary works.

It's the result of over 50 years experience gained on major projects throughout the world. What's more, our network of local branches means that when you deal with Altrad Generation, you talk to people who understand the working environment, technical difficulties and the challenges you face.

Advantages:

- Nine standard lengths, from 10mm to 3600mm, give almost unlimited scope for assembling beams of virtually any length.
- Huge range of standard accessories is designed to reflect the diverse applications demanded by major projects. Gantries, shoring, spanning trusses and frames, as well as formwork panels.
- Standard fixtures and clamps make it fully compatible with other Altrad Generation and RMD Kwikform product ranges and, in many cases, with customers' own equipment.
- Formwork ties and other components can be fixed virtually anywhere along the Super Slim Soldier's length, you have complete freedom to create the optimum design, whatever the application.
- Using close-tolerance jigs, the Super Slim Soldier is precisely manufactured from high-yield steel, combining maximum durability and load capacity with reduced unit weight.
- Robustness to cope with the demands of frequent re-use means easier assembly and consistently accurate fabrication on-site.

Climbing Formwork

KSP Shaft Platform

KSP shaft platform is used in internal hollows where due tospace limitations it is not possible to use climbing brackets (elevator shafts, bridge piers and any other hollow geometry to be casted or poured in place). It provides support to the wall formwork and can be used as a working platform to carry out various tasks such as formwork erection and plumbing.

One of its special features is that by using the gravity pawl bracket and the different ULMA walers it is possible to cover a wide range of spans in this kind of internal hollows.

The KSP platfrom is mainly used with the standaed climbing brackets on the opposite side of the wall. It is made up of walers (DU or MK) and the gravity pawl bracket.

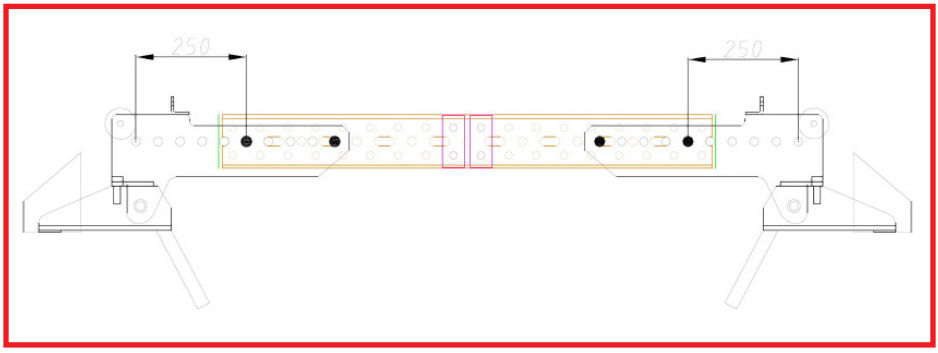
Basic system features are:

- Walers range that may be used:

- DU-100
- DU-120
- MK-120
- MK-180

140 or 160 mm section height walers could be used if the holes match with those of DU or MK.

- Maximum 250 mm regulation on each side (hole seperation: 50 mm)



- Possibility to hang cone recovery platform.
- Different anchors on the wall are possible, with GP boxes or folding brackets.

Climbing Formwork

BMK Configurable Climbing Bracket

Climbing bracket BMK-240

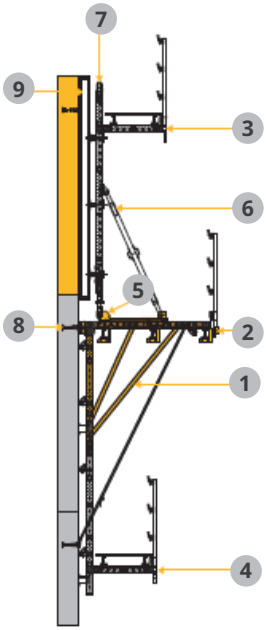
- For Building Construction and Civil Works
- Platform width: 240 cm
- 35 m2 formwork surface per pair of climbing brackets
- Anchorage to wall: DW15, DW20
- Formwork stripping distance: 80 cm with roll-back carriage, or 5 cm to 15 cm with tilt-back system
- Adaptable to inclined walls

Climbing bracket BMK-170

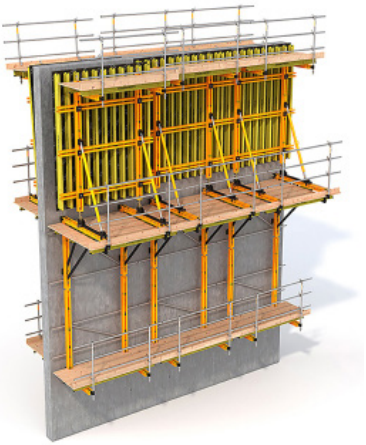
- For Building Construction and Civil Works
- Platform width: 170 cm
- 35 m2 formwork surface per pair of climbing brackets
- Anchorage to wall: DW15, DW20
- Formwork stripping distance: 5 cm to 15 cm with tilt-back system
- Adaptable to inclined walls

Climbing bracket SBMK-180

- For Civil Works
- Platform width: 180 cm
- Wall anchor: DW20
- Formwork stripping distance: 5 cm to 15 cm with tilt-back system
- Adaptable to inclined walls



1. BMK Brackets
2. Main platform
3. Pouring platform
4. Cone recovery platform
5. Roll-back system
6. Push-pull prop
7. Vertical waler
8. Anchorage
9. Formwork



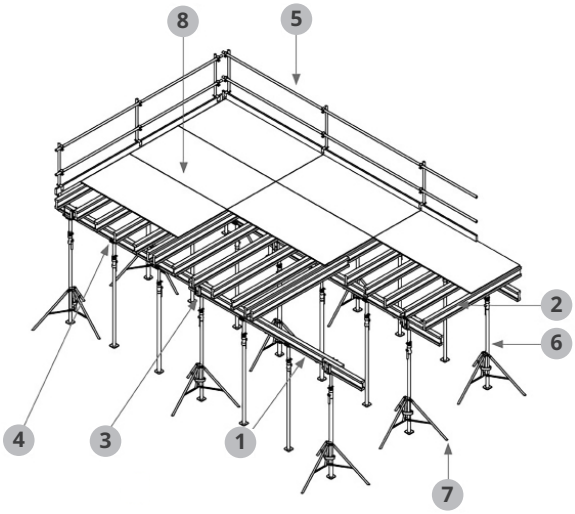
Slab Formwork

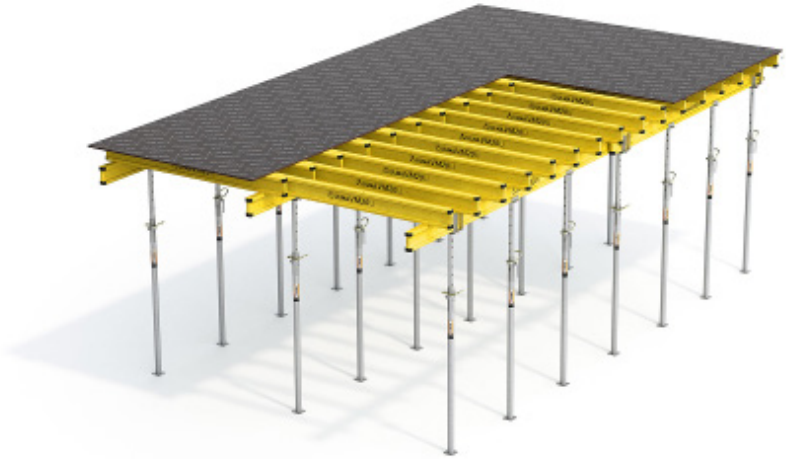
Enkoflex - Timber Beam Slab Formwork

Main Features:

- **System adaptable** to any type of slab and height. Independent beams provide **great felxibility**.
- Moldable to **irregular geometries** and to other formwork systems for easy infilling.

1. VM-20 Primary Beams
2. VM-20 Secondary Beams
3. Double Head
4. Single Head VR
5. Safety Handrail
6. Prop
7. Tripod
8. Board



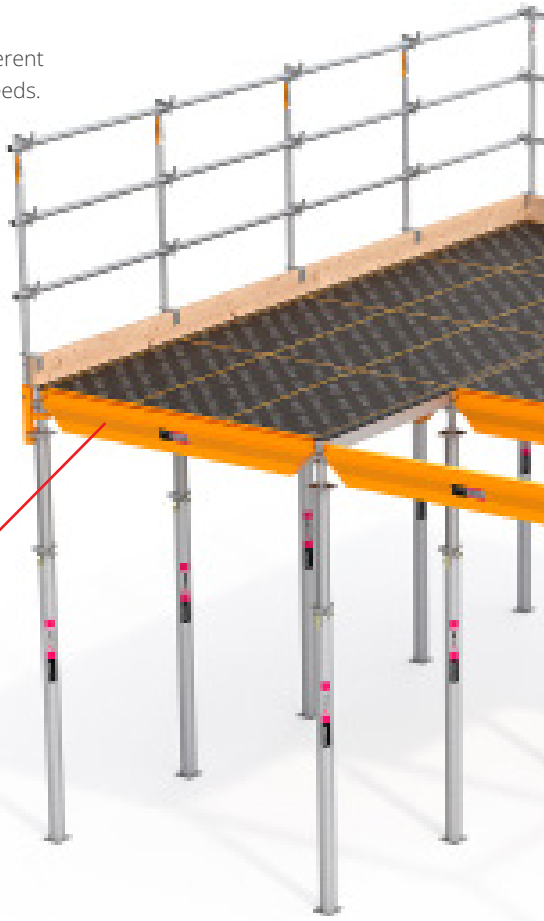


Slab Formwork

CC-4 Panel

Basic Grid 2.32m x 1.5m

Different grids can be cofigured by combining different beams and transversals according to the user's needs.



Maximum Slab Thickness: Up to 90cm. System suitable for both solid and lightened slabs.

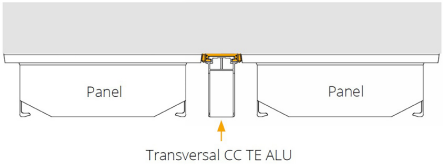
Impact of Props: 0.29 Props/m^2

The **Beam CC** is supported by the Drophead CC and then lifts up, making it possible for one worker to assemble the beam.

Determines the length of the grid:
2.32m / 1.57m

The Transversal CC TE ALU determines the width of the grid: 1.5m / 0.75m.

This is an aluminium profile with a plastic and rubber top cover that ensures the **water-tightnes** with the panel that **prevents possible concrete leaks**.



The drophead (Head CC) allows early recovery of beams, transversals and panels after 3 days, reuse on the next pour.

Striking Sequence

Simple and safe striking. The elements are lowered by 15cm due to the drophead.

Slab Formwork

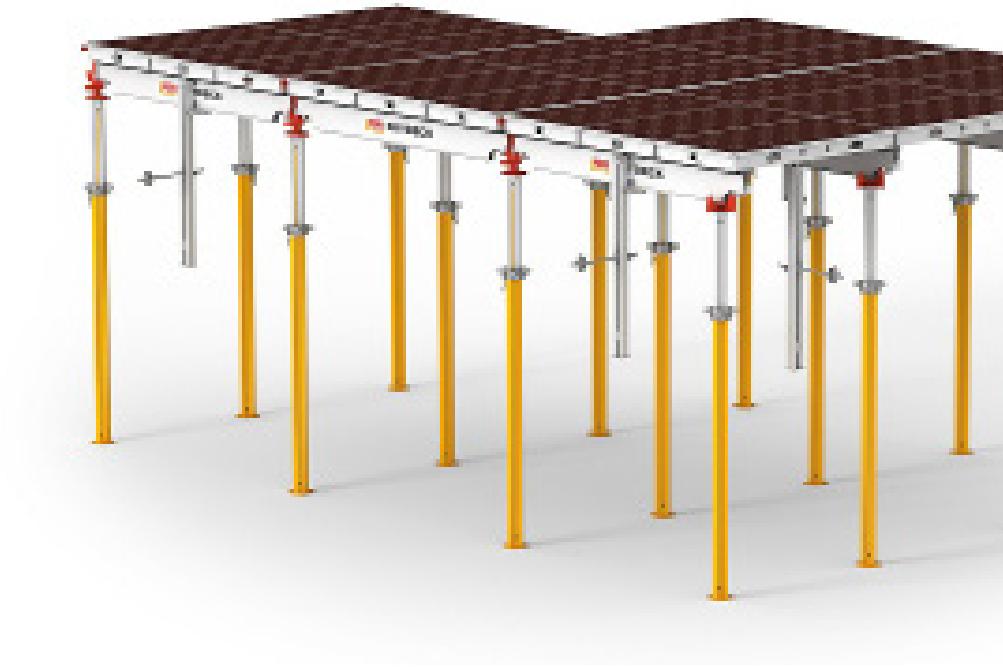
SKYDECK - Aluminium Panelized Slab Formwork

The lightweight and proven slab formwork with short forming times.

Working with SKYDECK results in fast as well as safe forming operations with a systematic assembly sequence. The low weight, compact dimensions and design of the system components facilitate non-tiring and ergonomic working operations.

SKYDECK has been designed for standard use in constructing slabs with thicknesses up to 43cm. With the 75cm panel width, slabs up to 109cm thick can be formed. The well thoughtout design with drophead allows early striking and reduces on-site material requirements.

With SKYDECK, infill areas are reduced to an absolute minimum. In addition, SKYDECK makes a convincing case with an extensive range of safety and logistics accessories. A further advantage is the easy horizontal transportation of formwork materials due to the low number of props required.

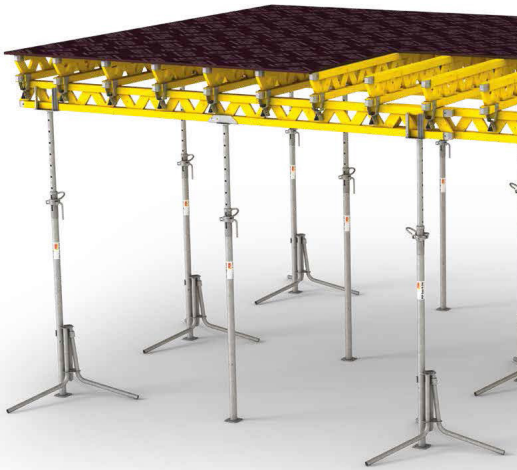


Slab Formwork

MULTIFLEX

The flexible and adaptable girder slab formwork.

MULTIFLEX, the universal girder slab formwork system for any ground plan and any floor height.



The GT 24 lattice girder or the VT 20 solid formwork girder can be used. With MULTIFLEX you always shutter cost-effectively and efficiently.

Using the universal, rigid and long-lasting GT 24 lattice girder allows large spacings for main, secondary girders and supports. The GT 24 reduces the number of components to be erected and struck.

The VT 20 girder with its high-grade web board is the cost-effective solution for thinner slabs.

Slab Formwork

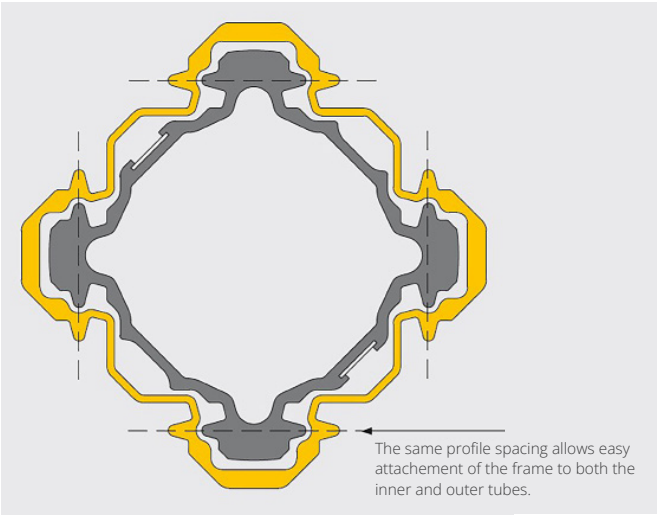
MULTIPROP

The lightweight Slab Prop with patented profile and official construction licence.

MULTIPROP MP, the aluminium slab prop for use as an individual prop, shoring towers or under tables.

The MULTIPROP post shores are made of aluminium which mean they are very light. Weighing only 19.40kg, the MP 350 can be extended from 1.95 – 3.50m and covers 90% of standard operations in building construction.

MULTIPROP post shores MP 250, 350, 480 and 625 are officially approved by the Deutsches Institut für Bautechnik in Berlin (No. Z-8.312-824).



The same profile spacing allows easy attachement of the frame to both the inner and outer tubes.

The light MULTIPROP 480 with high load bearing capacity is used for supporting a MULTIFLEX slab with VT 20K as main and secondary girders.

Notes

Find Your Nearest Branch:

Simply scan the QR code and input your postcode by clicking on 'Find your local branch', our website will then show the nearest branch to your location.

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GENERATION
HIRE & SALE

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