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# FormKIT

**MULTIFUNCTIONAL FORMWORK SYSTEM FOR  
MAXIMUM FLEXIBILITY**

**LET'S  
BUILD**



**RINGER**  
SCAFFOLDING + FORMWORK



HEADQUARTERS IN REGAU

**Your reliable partner for  
scaffolding and formwork.  
RINGER quality since 1944:**

- Flexible and quick solutions
- Absolute reliability
- Personal consultation on site
- Fast customised solutions
- We keep our promises
- With absolute passion
- A real family-run company

**What are we waiting for?  
Let's build.**

Our head office and the heart of the company is the 111.000 m<sup>2</sup> manufacturing and logistic facility based in Regau, Austria. With worldwide distribution to over 50 countries and a centre of excellence for research and development, RINGER is a leading formwork and scaffolding manufacturer.

With subsidiaries in Slovenia, Croatia, Hungary, Czech Republic and Germany, RINGER provides first class design solutions and on-site supervision for the most complex of projects.

Supporting international customers worldwide makes RINGER the ideal partner for all construction needs.





# FormKIT - Multifunctional formwork system

FORMKIT IS THE VERSATILE ALL-ROUND FORMWORK SYSTEM FOR EFFICIENT AND COST-EFFECTIVE SOLUTIONS.

The multifunctional formwork system is highly adaptable, making it ideal for complex formwork applications in commercial, residential and infrastructure construction.

With just a few system components, FormKIT can be used to create:

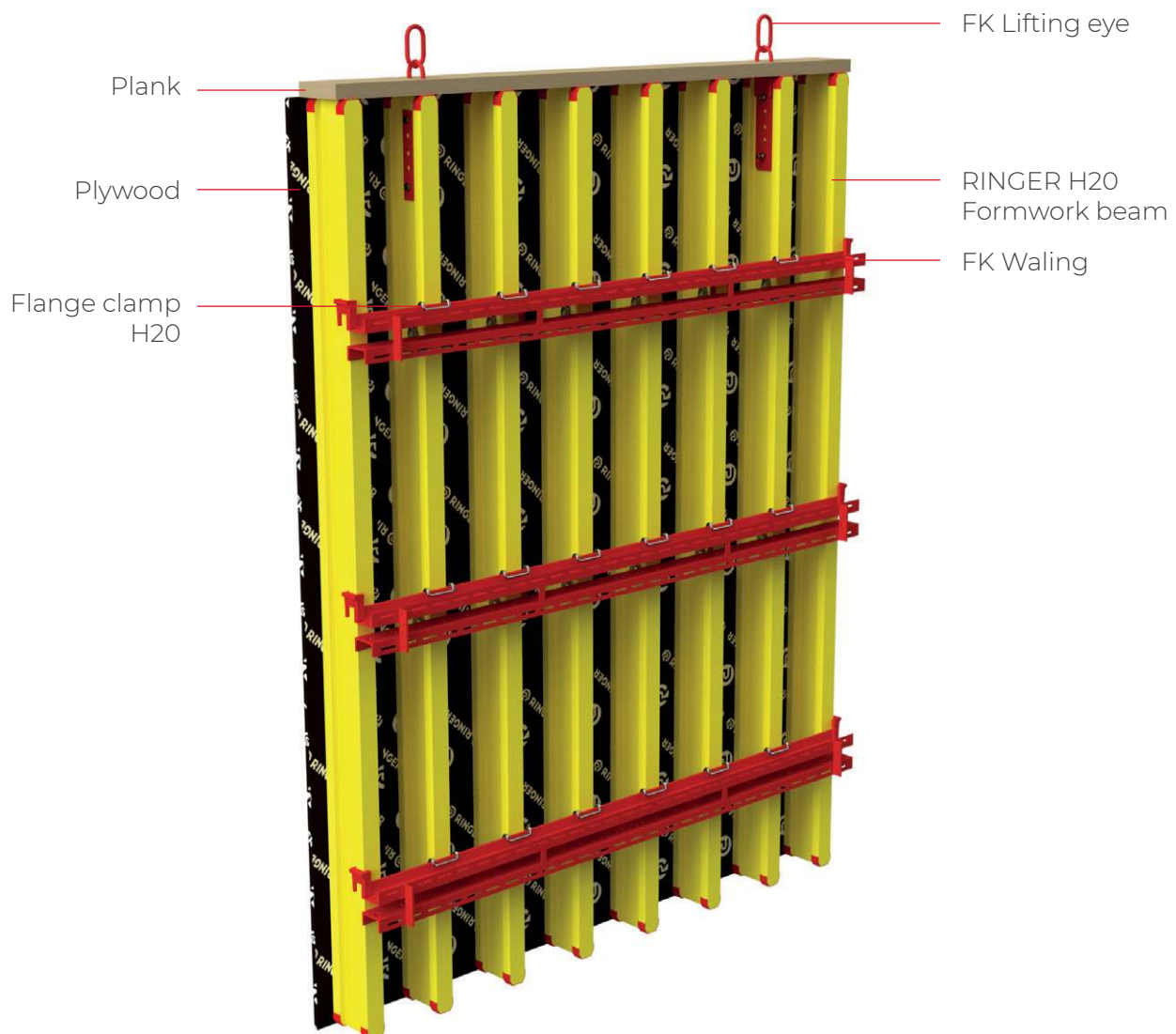
- Formwork for bridge superstructures
- Support frames for single-sided wall formwork
- Large-area wall formwork for architectural concrete and complex geometries
- Single- or double-sided climbing formwork, as well as working and formwork platforms
- Formwork for large-scale columns

# Flexible, fast and cost-effective

FormKIT enables fast project execution, outstanding flexibility for demanding architectural designs, while reducing the required space on site.

A comprehensive range of well-designed system components ensures easy handling, minimizes additional effort and increases flexibility on the jobsite.

Supported by RINGER's experienced experts, you benefit from tailored solutions that optimize time, space and costs—ensuring safe, efficient and high-quality project execution.



# Product features

## FormKIT

### > Compliant and safe

- Wide range of connection components and Safety components
- H20 formwork beams made from solid wood

### > Wide range of applications

- Bridge construction, Single-sided formwork, Large-area wall formwork, Climbing formwork, Working and formwork platforms, Column formwork

### > Time- and cost-efficient

- Optimized transport dimensions and on-site assembly reduce transportation costs.
- Fast, simple and flexible panel connections minimize the need for filler elements.

### > Versatile and adaptable to any geometry

- Different lengths of FK profiles and H20 formwork beams allow virtually any dimension.

### > Long service life

### > Optimized for architectural concrete

- Plywood with freely selectable surface finishes can be mounted on H20 formwork beams, providing maximum control over the final concrete finish.

### > Adaptable to the required concrete pressure

- Targeted structural design ensures the required load-bearing capacity, even with faster concrete placement and higher loads.

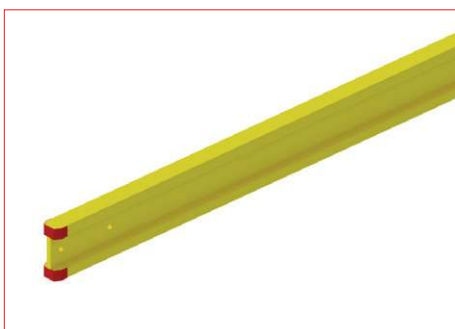
# FormKIT

## Main components



### FK Walings

FK10 Walings consist of two UPN 100 steel sections and are available in lengths from 50 to 600 cm in 25 cm increments. Continuous boreholes allow easy attachment of props and connection components. For higher load capacities, FormKIT can be upgraded with heavier double UPN steel sections featuring web heights from 120 to 160 mm.



### H20 formwork beams

RINGER H20 formwork beams feature standard dimensions of 8 × 20 cm and are equipped with end caps and pre-drilled holes for fastening and extensions.

They are available in lengths from 125 to 490 cm. Longer beams can be supplied on request or extended using H20 beam connectors.

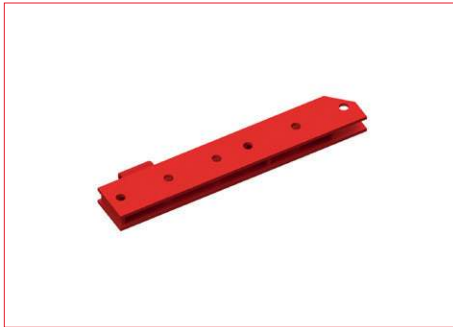


### Flange clamp H20

The FK Walings and H20 formwork beams are securely connected using H20 flange clamps.

# FormKIT

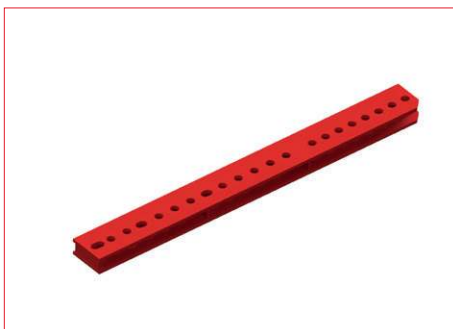
## Connection components



### FK Anchoring Plate

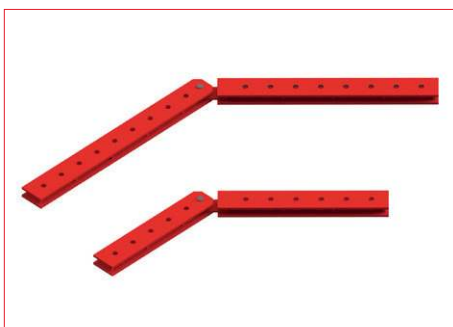
FK Walings are connected using various FK connection components. These are available in different lengths and are fastened to the profiles with FK Connecting Pins.

The FK Anchoring Plate can also be used to connect FK Walings at corners using tie rods.



### FK Adjustable Plate

For connecting FK elements.

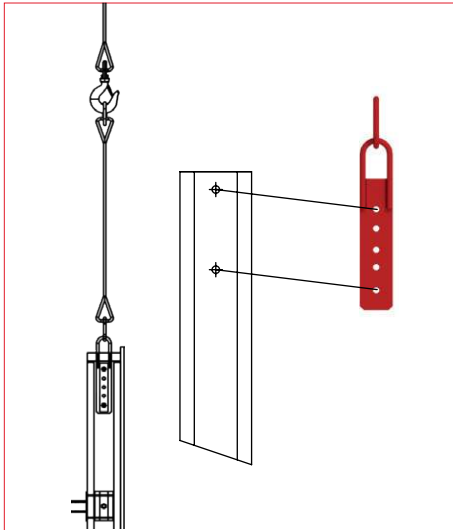


### FK Element Connector

For angled connections between FK Walings.

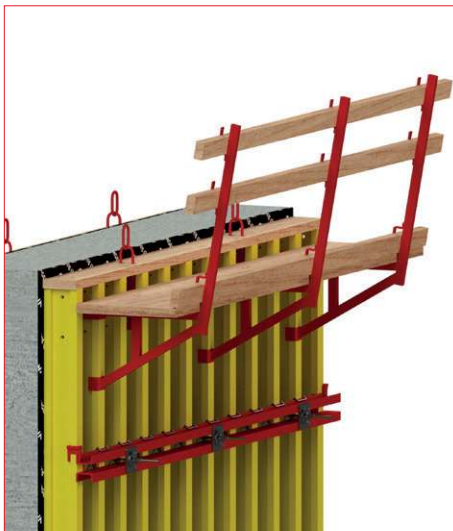
# FormKIT

## Safety



### FK Lifting Eye

FK Lifting Eyes are available for the safe lifting and transport of large-area wall formwork and climbing formwork.



### Insert guardrail

Insert guardrails, used in combination with H20 concreting brackets, provide a safe working environment on the formwork.

# FormKIT

## Stability



### Spindle struts

Precise alignment, even for inclined applications, is achieved using spindle struts. They allow the FK Walings to be adjusted to defined angles. Available in lengths from 75 to 400 cm.

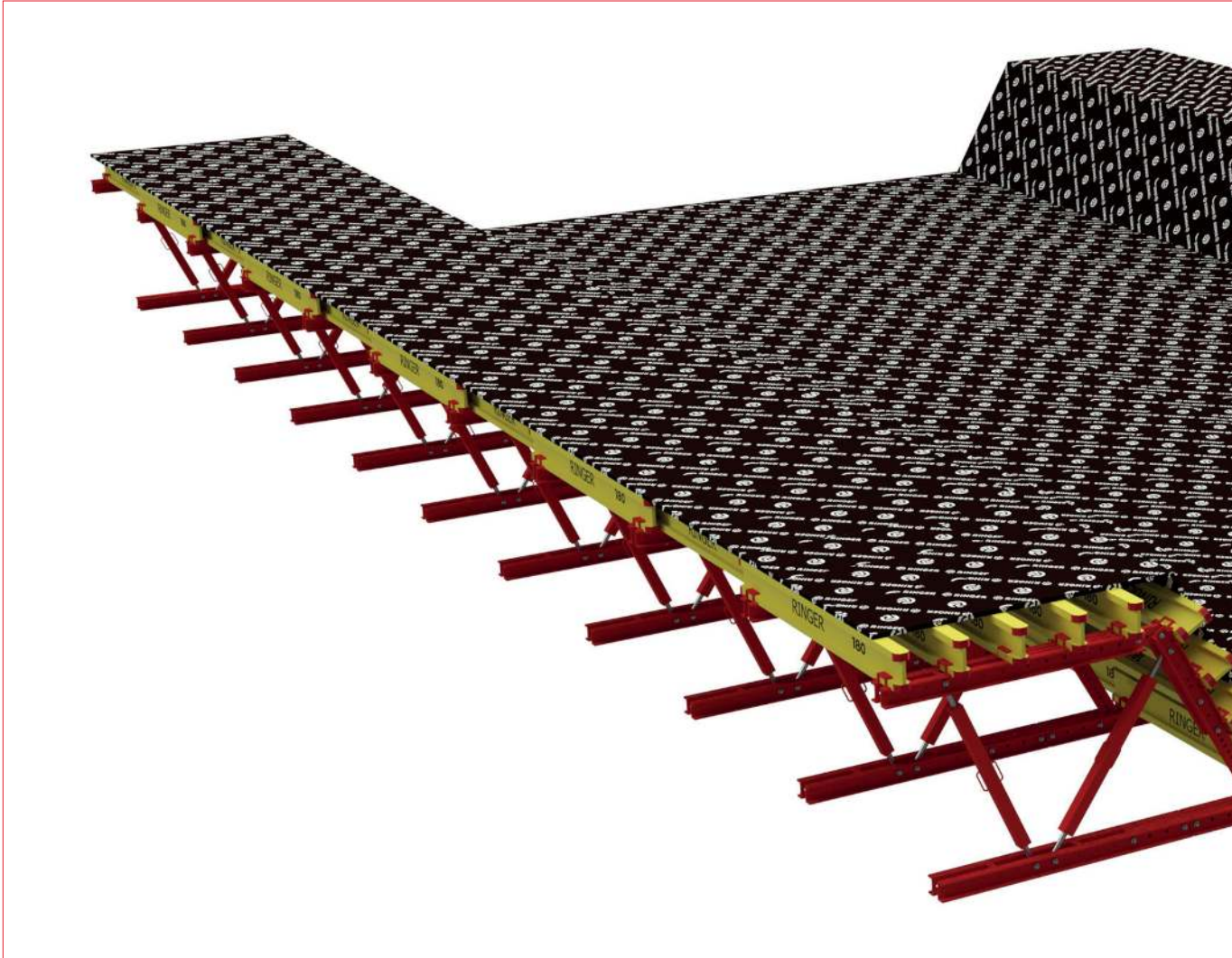


### Push-pull props

In addition to spindle struts, push-pull props can be used to ensure precise vertical alignment, particularly for large-area wall formwork and column formwork.

# Applications

## Bridge superstructures

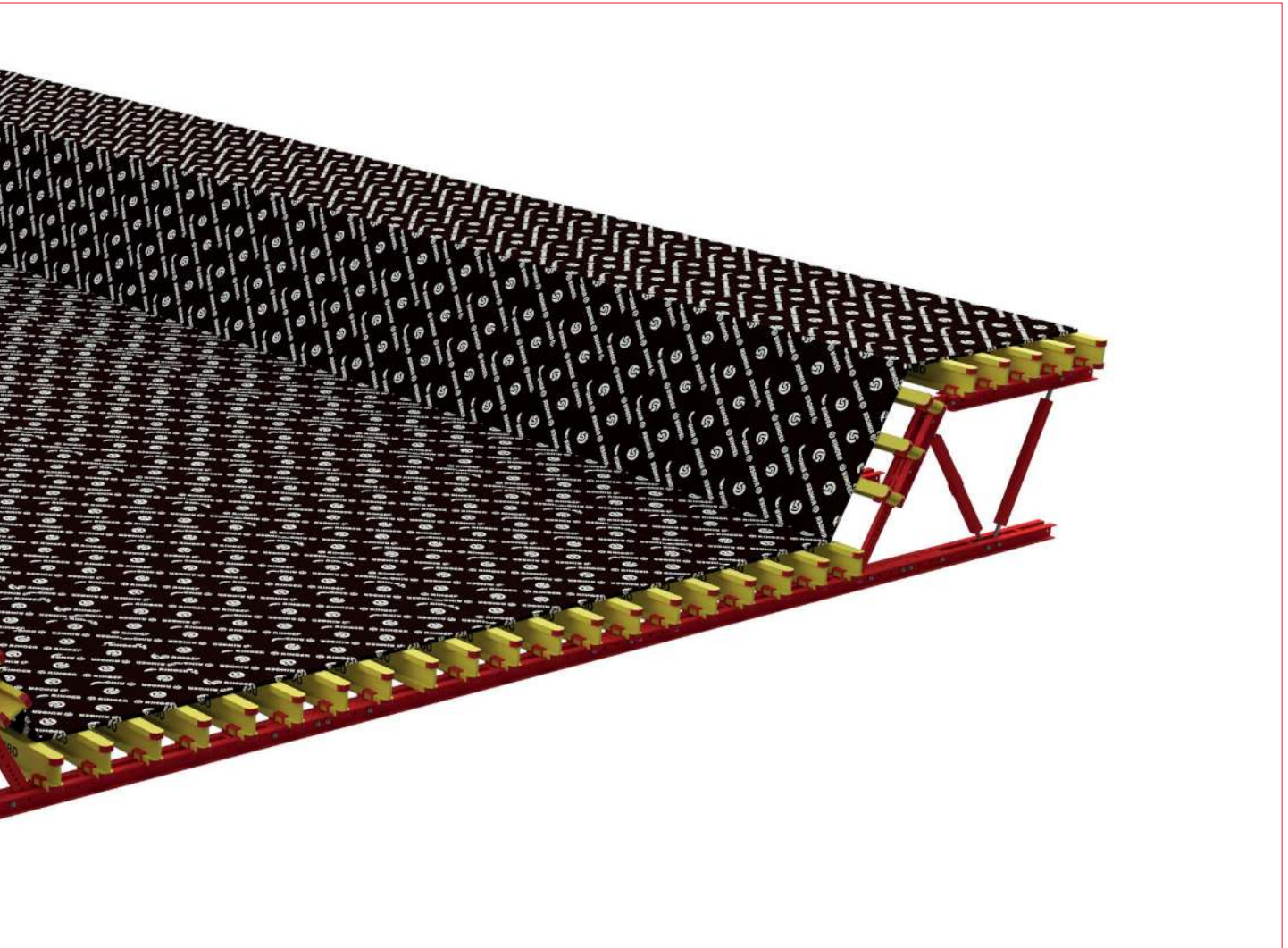


### Efficient Bridge Superstructure Construction

FormKIT is specifically designed for bridge superstructures, overpasses and similar structures.

The system offers easy handling, efficient transportation and fast striking. It can be precisely adapted to a wide range of geometries and dimensions.

Connection components allow FK Walings to be connected at virtually any angle, while spindle struts provide a stable and reliable support structure..



### **Adaptable to Different Bridge Structures**

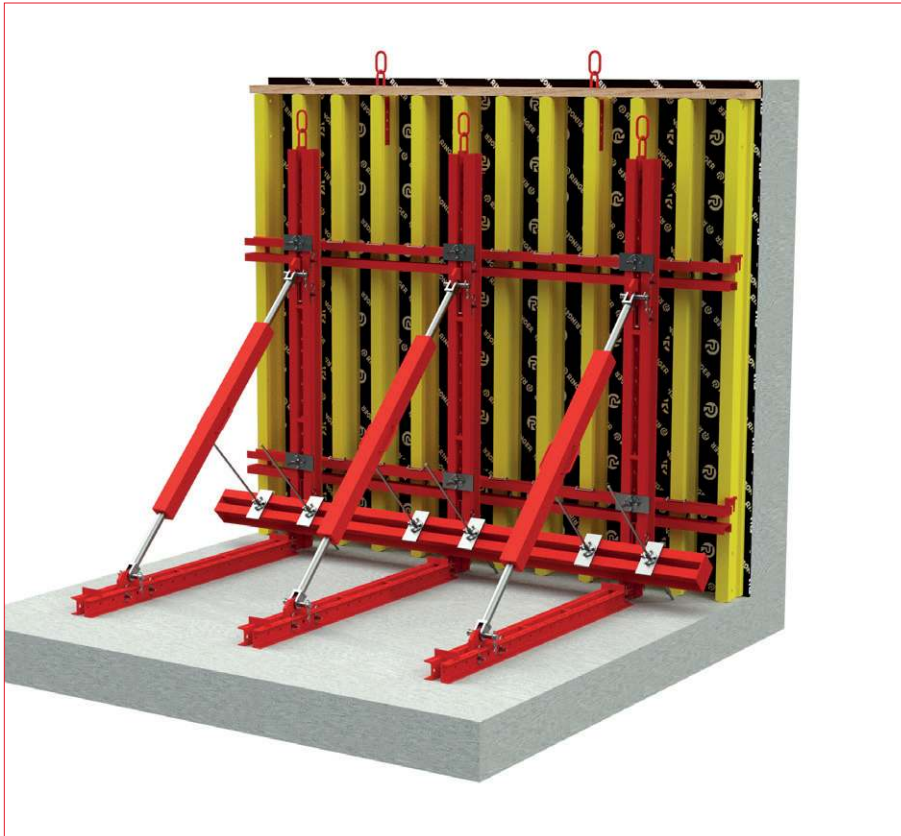
FormKIT is suitable for bridge structures with constant and variable cross-sections, as well as solid and hollow sections and variable-depth structures.

Formwork for the bridge deck and for straight or inclined walls can be assembled simultaneously.

In addition, integrated components allow suspended cantilever formwork to be attached to previously cast girders, for applications such as wing walls and parapets.

# Applications

## Single-sided Formwork



### Single-sided Formwork with Support Frames

Where double-sided formwork or tie rods cannot be used, single-sided formwork provides an effective alternative. For lower walls, the FormKIT system can be used to create single-sided support frames. The system is anchored using tie loops, anchoring plates or threaded rods installed at a 45° angle to the wall.

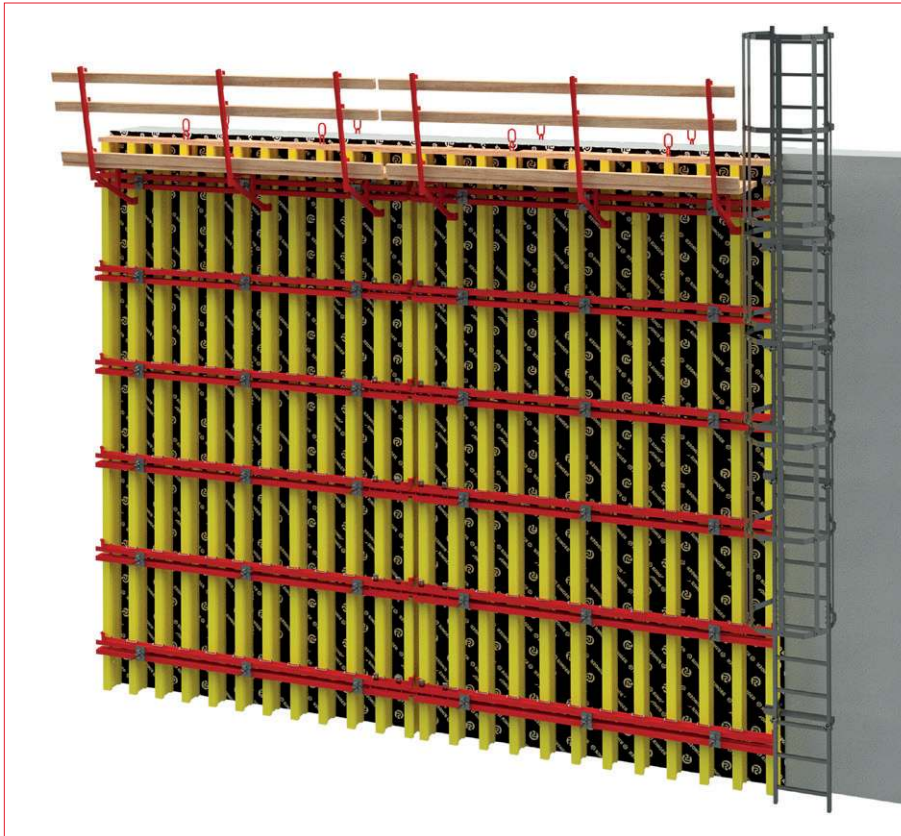
The support frames consist of FK Walings, props and an anchor shoe, and are positioned along the wall according to the required concrete pressure. Modular or large-area wall formwork can be mounted on the vertical FK Walings.

Benefits:

- Knock-down design for space-saving storage
- Easy on-site assembly
- Reusable for multiple concreting stages

# Applications

## Large-area Wall Formwork



### Flexible Large-area Wall Formwork

The FormKIT system is ideal for large-area wall formwork with high requirements for concrete surface quality and can be flexibly adapted to complex geometries. The required concrete pressure is accommodated by varying the spacing and number of H20 formwork beams and FK Walings.

Custom element sizes make it possible to create demanding architectural designs. Plywood with different surface finishes, such as phenolic resin, plastic or timber, can be used and replaced quickly and easily. The freely selectable tie positions allow for either a symmetrical or a customized tie pattern.

Precise vertical alignment is ensured by push-pull props of various lengths. Concreting brackets serve as safe working platforms during concrete placement.

Benefits:

- Adaptable to different concrete pressures
- Freely selectable surface finishes and tie patterns
- Easy realization of complex geometries
- Fast construction progress with repositionable units

# Applications

## Climbing formwork for high-rise structures



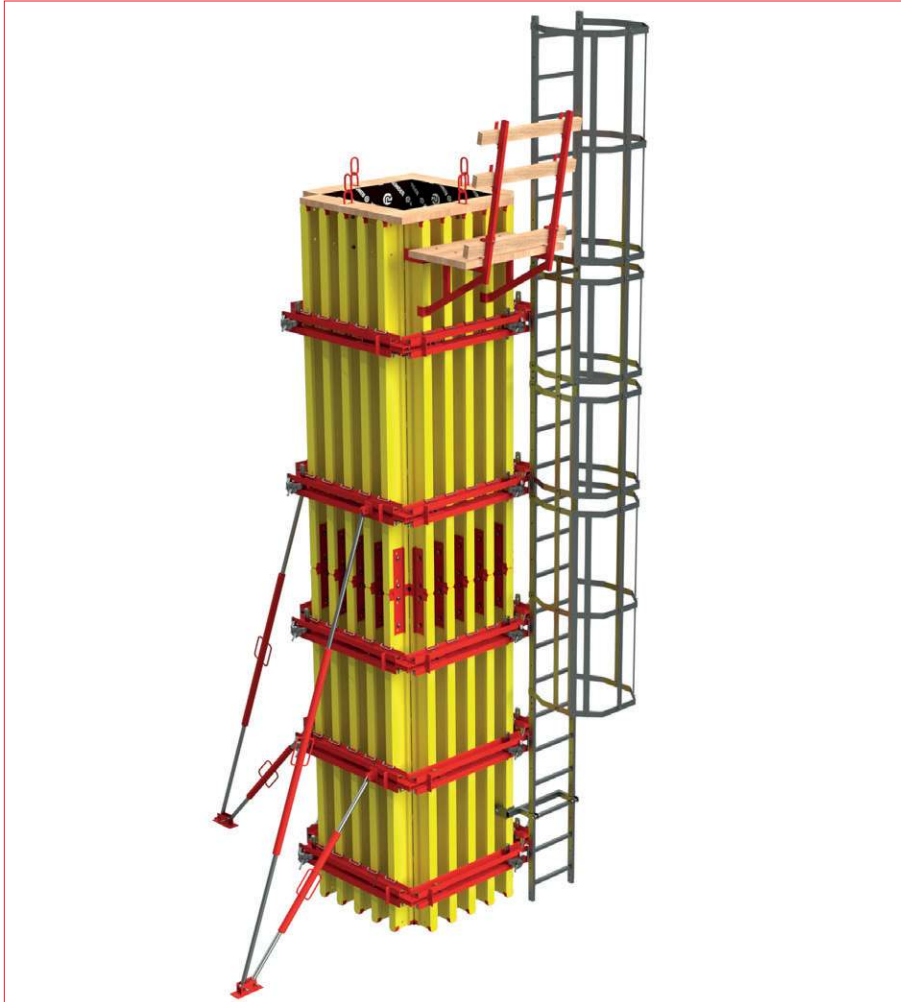
### Climbing Formwork for Tall Structures

For tall vertical structures without intermediate slabs, the formwork is suspended from the previously completed concrete section.

This provides easy access to the concrete surface for reinforcement work and finishing operations. At the same time, the climbing formwork serves as a safe working platform. Additional safety is provided by concreting brackets on top of the formwork and suspended scaffolds beneath the climbing formwork.

# Applications

## Columns and Structural Piers



### Fast and Safe Column Formwork

The FormKIT system is also ideal for constructing large and tall columns exposed to high concrete pressures. Its high load-bearing capacity allows columns to be cast in a single pour over their full height, without construction joints or tie holes. This speeds up the construction process and ensures a uniform concrete finish throughout the entire column height.

Using two perpendicular formwork elements consisting of plywood and H20 formwork beams, connected by FK angle connectors, the column formwork can be assembled quickly, safely and efficiently.

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