

ROBUSTA COMPACT

Product programme highlights





ROBUSTA-GAUKEL – A SUCCESS STORY

60 YEARS OF PLANNING, CONSTRUCTION AND DELIVERY



Your specialist for construction site safety and formwork construction – proven products, clever special solutions!

For 60 years, the name ROBUSTA has been synonymous with well-engineered products that can withstand the tough conditions of use on construction sites around the world. We focus on the development of innovative products that optimise processes and improve safety.

As a specialist in assembly, anchoring, safety technology and formwork, as well as technically sophisticated custom products, we prioritise the continuous development of new and practical solutions that are tailored to our customers' needs.

Experienced mechanical and structural engineers support us with their extensive expertise. We manufacture all of our products in-house at our state-of-the-art production facility, which allows us to respond with greater speed and flexibility to our customers' exacting requirements.

Cutting-edge production technology such as welding robots, laser cutting systems, CNC machines and a high-performance pipe laser system, combined with the know-how of our experienced team, guarantee consistently high quality.

The majority of products are also available to rent. Our Headquarters near Stuttgart serves the south of Germany and Europe. Our branch office in Berlin provides us with a local base to serve construction sites in the German capital and the east- and northern regions.

Many of our customers are well-known European construction companies and groups.

Visit www.robusta-gaukel.com for more information.





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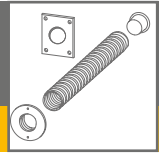
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Installation-Kits 3 diameters: Your benefits at a glance

- Inexpensive non-recoverable installation parts.
- Universal anchor system for formwork, bolts for fastening and transportation purposes.
- Suitable for the Dywidag anchoring system D&W 15.0, 20 and 26.5 mm.
- Installation in slabs and walls.
- For in-situ concrete and precast construction.
- Permissible service loads from 5.0 kN to 60.0 kN.
- Comprehensive range of transport- and hexbolts.

Further information



ROBUSTA threaded sleeves – proven and efficient!

Three diameters, flexible lengths – perfectly matched to the installation situation and load.
Save time and money. With anchoring accessories for practically unlimited applications.

Horizontal installation: The variable fastening system for all wall anchor points!

D&W 15



Examples: Clamping flanges for all diameters and additional accessories



D&W 15 mm clamping flange with double-headed nail, recoverable



Clamping flange for exposed concrete requirements and wooden shuttering, recoverable



Removing tool for recoverable clamping flanges

D&W 20



Magnetic clamping flange for steel shuttering with high-performance Neodym magnet, two versions for concrete cover of 15 and 30 mm

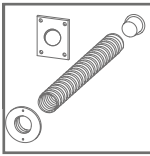


D&W 26.5



Fine-grained concrete cones for a homogeneous exposed concrete surface after removal of the recoverable clamping flanges, two versions for concrete cover of 15 and 30 mm





ANCHORING SYSTEMS

1

FOR TRANSPORTATION AND FASTENING APPLICATIONS

Application example D&W 15 mm: mounting of slab stop end bars and slab stop end brackets.



Application example D&W 26.5 mm: anchoring of foldable working platforms.

In combination with the matching hexagonal bolt and suspension shoe.



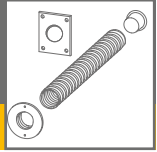
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Z-21.6-219



1

ANCHORING SYSTEMS

FOR TRANSPORTATION AND FASTENING APPLICATIONS



Installation-Kit with alignment

Easy setting of D&W 15 & 20 mm anchor points without drilling!



Alignment – fast, simple, precise!

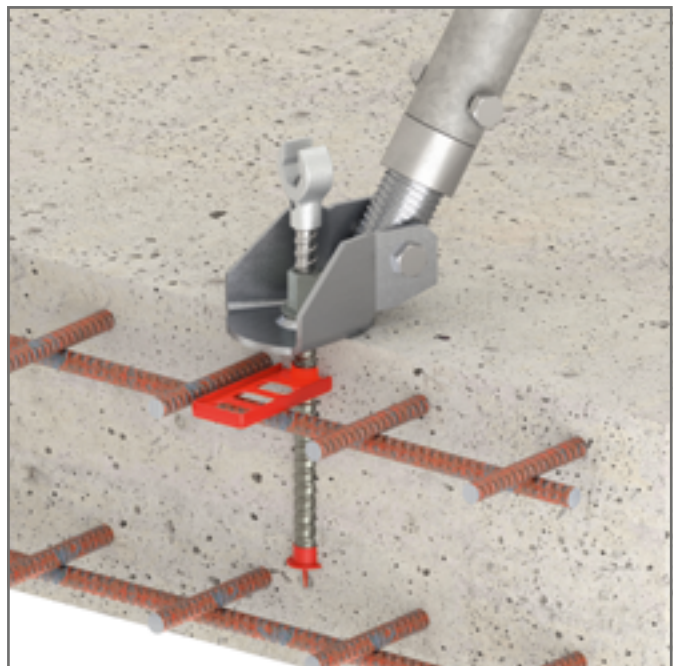
Stable mounting aid made of plastic or wire – simply fasten to the reinforcement with wire tie.

Marking plug with flexible pin – for easy-to-find anchor points after concreting.

Perfect positioning – precise alignment, adjustable height, optimal control for concrete leveling.

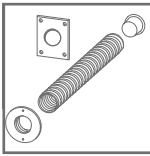


The threaded sleeve with alignment is simply fastened to the reinforcement with wire tie. Then, the height can be adjusted. No need for dangerous drilling in floor and ceiling slabs. Anchor points can be precisely placed and aligned before concreting.



Example: Push-pull prop anchoring using Installation-Kit with alignment





ANCHORING SYSTEMS

1

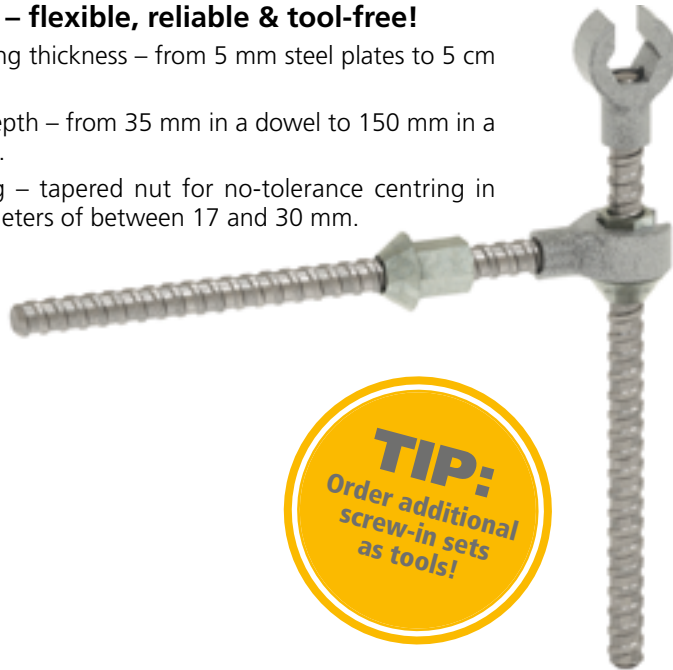
FOR TRANSPORTATION AND FASTENING APPLICATIONS

Screw-in set – flexible, reliable & tool-free!

Variable clamping thickness – from 5 mm steel plates to 5 cm wooden planks.

Any screw-in depth – from 35 mm in a dowel to 150 mm in a threaded sleeve.

Precise centring – tapered nut for no-tolerance centring in holes with diameters of between 17 and 30 mm.



*Suitable alternative hexagonal bolts
D&W 15 mm, anchoring with impact wrench
possible*

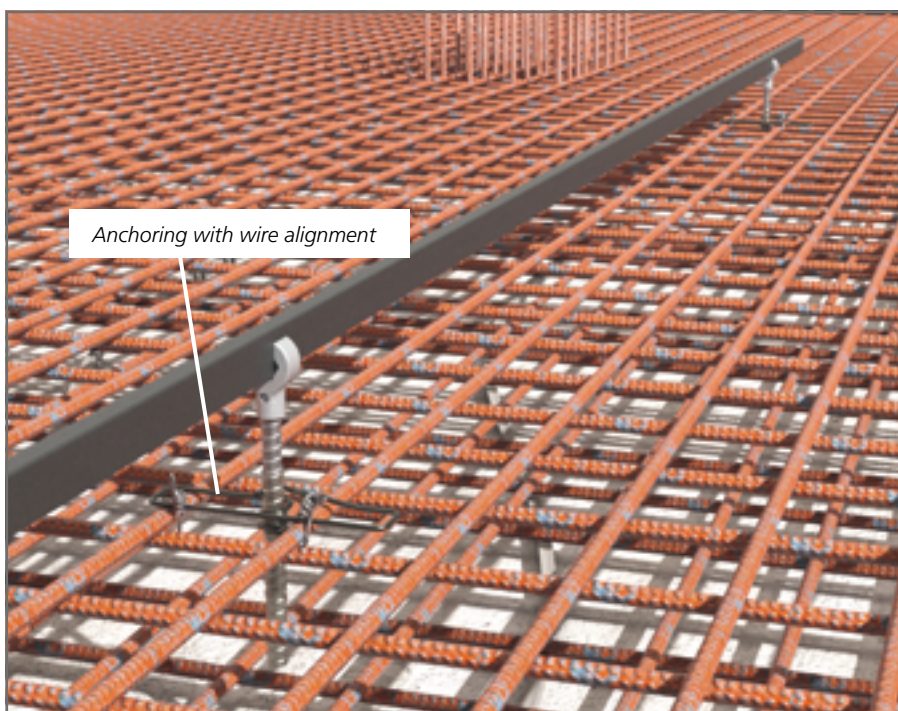
Installation-Kit with alignment and screw-in set used for slope gauging



The perfect solution for sloping concrete!

The screw-in set heads can be used for precision-made concrete surfaces with variable slopes. Ideal for underground car parks, for instance.

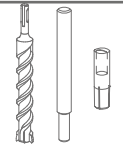
Pouring, levelling and power trowelling.



1

ANCHORING SYSTEMS

IMPACT DOWEL AND SCREW-IN SET



Your benefits at a glance:

- Use anywhere to fix anchor tie bars retrospectively.
- Freely selectable tie bar length and clamping thickness
- Holds formwork for in-situ concrete construction in place.
- Practical: screw-in set as a fastening accessory for precast components.
- Approved load ratings determined for a low concrete strength of 15 N/mm²
- Breaking forces verified by a public testing institute.
- Cost-saving solution for all applications where a large concrete or rock anchor is not needed.

Further information



Easy mounting of the impact dowel with: hard metal drill and punching pin – plus with screw-in set for anchoring

THE ORIGINAL



Precise drilling & safe punching!

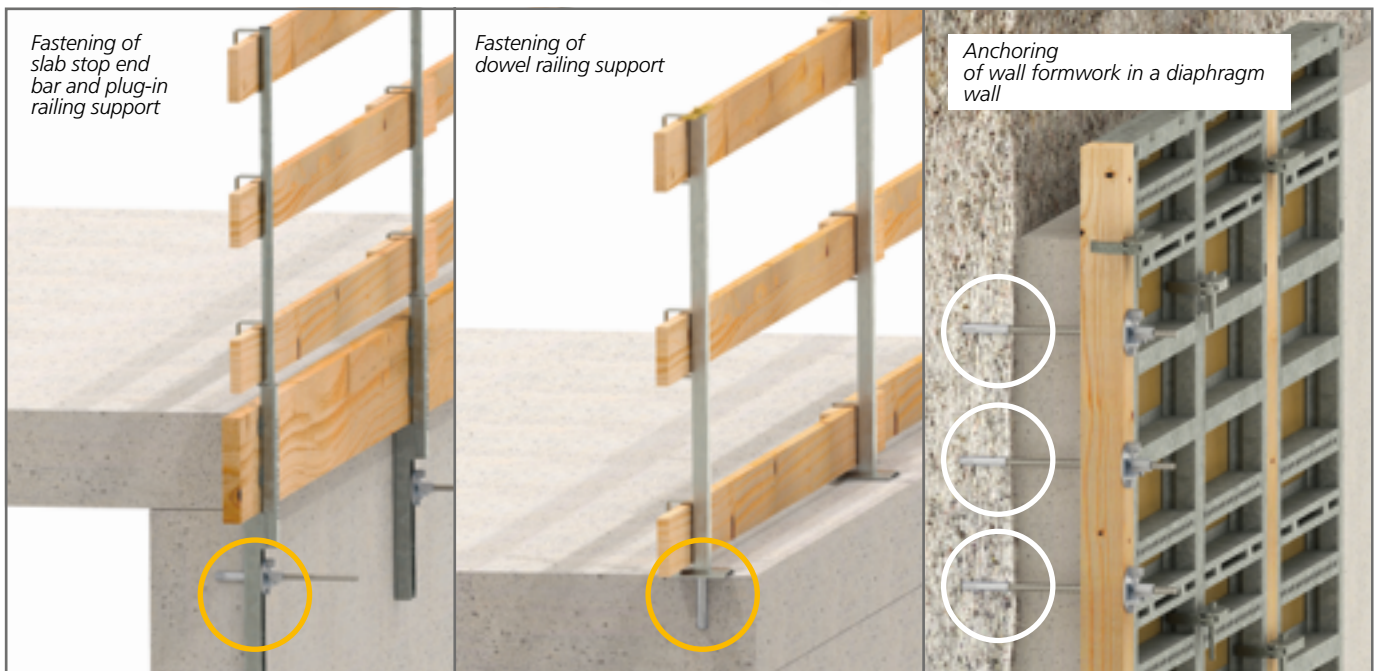
Hard metal drill with SDS chuck & cross cutter – consistent diameter, even with deep holes.

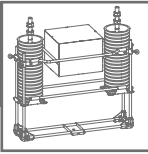
Carbon steel pin punch – for reliable dowel punching.



TIP:
Order accessories at the same time!

Application examples:





Your benefits at a glance:

- **Seismic category 2 approval granted.**
- Our service for easy calculation: the DIMENSIONS program is available to download free of charge!
- Approved system for anchoring all types of steel structures, high-rack systems, machines and precast concrete elements.
- Practical anchoring of tie rods with centimetre tolerances in concrete structures and millimetre tolerances in steel structures.
- Permissible tensile forces from 15 kN to 400 kN per anchor bar. No cost-intensive welding work.
- Fast installation as double or multiple set.
- Excellent installation safety thanks to a mounting frame and alignment template.



Further information



The perfect link between concrete and steel structures with up to 10 cm installation tolerance.



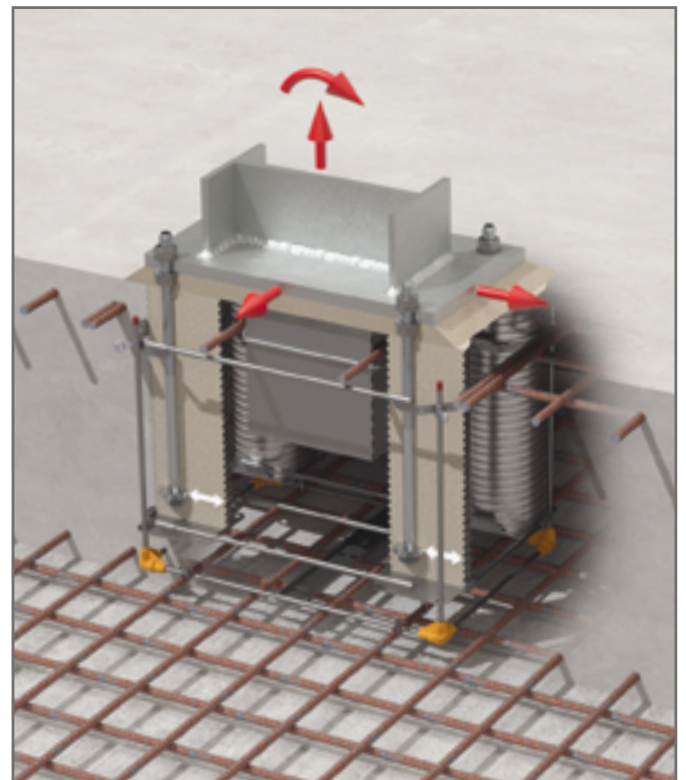
ROBUSTA anchoring sets – precise, safe and cost effective!

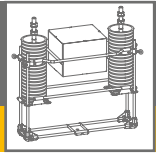
Clear & safe separation at the interface between the concrete and steel structures.

Flexible – the anchor rods are not precisely measured & cast until after the slab is completed.

Up to 10 cm tolerance for practical installation.

Complete set from one single source – no improvising necessary because installation aids, templates and grout are all included!





Installation in concrete construction:
the sets are easy to handle, height adjustable and simple to anchor.

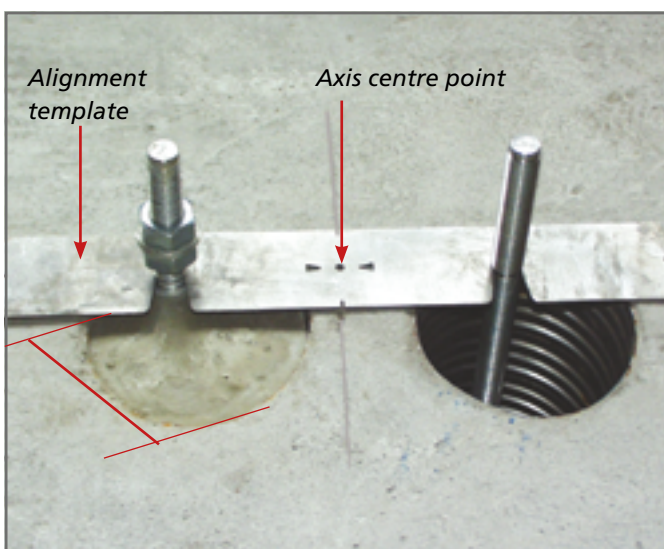


Fixing the mounting frame to the bottom reinforcement layer with wire. Complete Quad-Set with shear key and alignment plate.



Fixing of the anchoring sets on the vertical rods of the mounting frame after setting the correct height. This can be done before or after the top layer of reinforcement is laid.

Installation steel construction:
simple anchor rod positioning with installation template.



Large lateral tolerance of up to 10 cm possible.

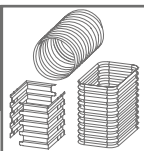
After the base plate or the foundation has been constructed, the axes of the steel structure can be conveniently marked out on the clean and even concrete surface with millimetre precision.



Grouting the anchor rods with anchor grout. Shown here: installation of a quadruple set using an installation template.

TIP:
Download
measurement program
"DIMENSIONS"





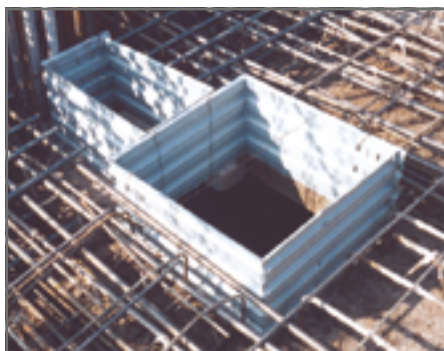
L-shaped formwork box: your benefits at a glance

- Supplied as individual L elements to reduce transport and storage capacity requirements.
- Reduction of worktime and waste.
- No more complex compromises with waste wood.
- No subsequent removal.
- The galvanised formwork box remains in the concrete.
- Profiles ensure secure bonding with the cast concrete.

Further information



Applications before and after the concreting process



Cavity tubes: your benefits at a glance

- Non-recoverable formwork as an inexpensive means of creating recesses and openings for supply lines in beams and slabs.
- Supply length 5 m (stock length) or sawed into specific ready-to-install lengths as requested by the customer – with angled cuts if required.
- Any transportable length can be produced on request.
- Round tubes with internal and external profiles for high mechanical strength against concrete pressure and a perfect shear bond.
- Low weight and easy handling.
- Matching covers and fastening elements available for steel and wooden shuttering. Also for mast foundations and machine anchoring.

Further information



Round cavity tube



Square cavity tube



Rectangular cavity tube

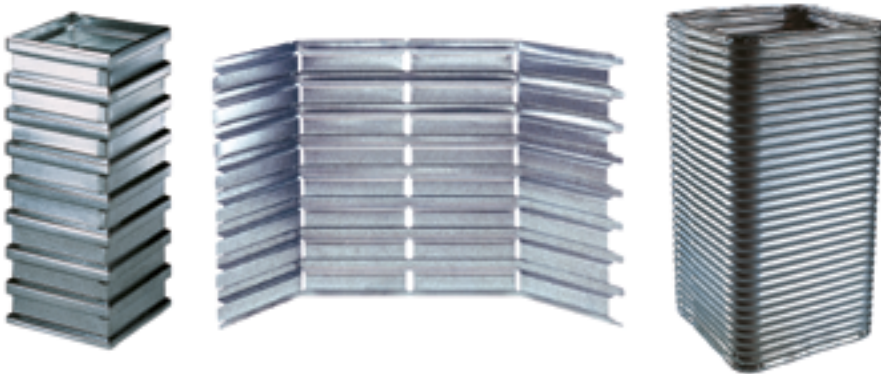




Cut-out casings: your benefits at a glance

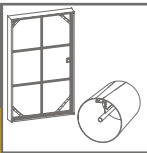
- Ready-to-install non-recoverable formwork for cost-effective cut-outs in sleeve and block foundations.
- With trapezoid profiles $t = 2 \text{ cm}$ for reliable static transmission of punching forces by way of a shear interlocking system with block foundations.
- Corrugated profile for profiled joints with sleeve foundations.
- Side length dimensions starting at $200 \times 200 \text{ mm}$; all other dimensions are manufactured to order.
- Can be supplied with a spot-welded sheet metal base.
- Foldable design for space-saving and cost-effective transportation.
- Custom designs for anchor bars and the like are available on request.

Further information



TIP:
Special
and custom
designs
by request!





Steel Frames: your benefits at a glance

- No improvisation with complex wooden shuttering necessary.
- Simple, stable and cost-effective solution for window and door recesses.
- No additional work to extend the wooden shuttering.
- Use multiple times without any quality impairment.
- Less waste and lower disposal costs.
- Simple and complex solutions tailored to your requirements on request.

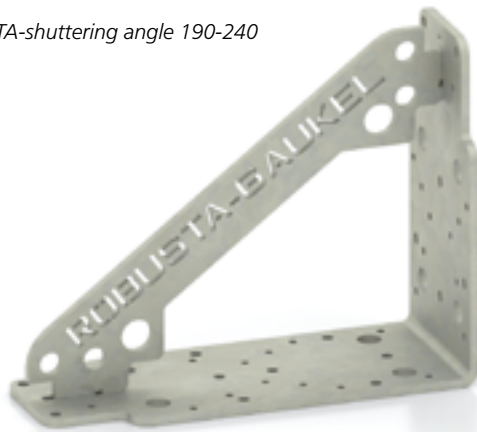
Further information



FLEXIBLE SOLUTIONS

Accessories for recoverable wooden shuttering for doors, windows, slab edges and stop ends. Universal and durable.

ROBUSTA-shuttering angle 190-240



Stripping corner



2

CASINGS FOR CUT-OUTS

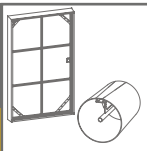
RECOVERABLE STEEL FRAME FOR WINDOWS AND DOORS



RIGID SOLUTIONS

Formwork with tapered sides – individually manufactured and cost-effective due to quick assembly, dismantling times and minimum construction waste





CASINGS FOR CUT-OUTS

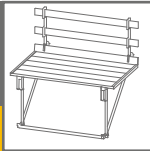
2

RECOVERABLE STEEL FRAME FOR WINDOWS AND DOORS

SHRINKABLE SOLUTIONS

Formwork with straight sides – modular system, can be doubled in width and adjusted in height





Your benefits at a glance:

- Suitable as working and safety scaffolding.
- Use as a support, including support of wall formwork.
- Standard platform lengths: 1.50 m – 2.00 m – 2.50 m – 3.00 m.
- Right and left corner platforms available.
- Universal corner platform for confined spaces.
- Tread width: 1.50 m, wooden parts made from standard commercial timber grade S10.
- The platform with long base frame can easily be raised without accessories.
- All steel components are galvanised for a long service life.
- Approved up to load class 5 according to DIN EN 12811-1 (corresponding to 450 kg/m²).

Further information



Working platform system – suitable for concrete and masonry construction!

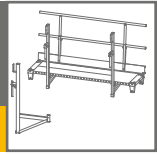
Anchored with a suspension shoe and Installation-Kit D&W 26.5 mm

Platform with long base frame: for use in masonry construction

Platform with short base frame: for use in concrete construction







Your benefits at a glance:

- Temporary concreting platform for safe working conditions that eliminates the risk of falling when pouring concrete into twin walls, including new side guard.
- No more dangerous improvisation, such as standing or walking on narrow concrete walls or on ladders.
- Can be mounted without anchors set in concrete; no advance planning required.
- Quick assembly and disassembly thanks to handy individual parts.
- Easy mounting of plug-in railing support for fall heights above 2 m.
- Various access options including anchoring available.

Further information



Twin-wall concreting bracket with plug-in railing support gap-free protection throughout the work process!

Twin wall concreting bracket– fast, safe and flexible!

Easy mounting – with mounting mandrel for secure insertion into the element wall.

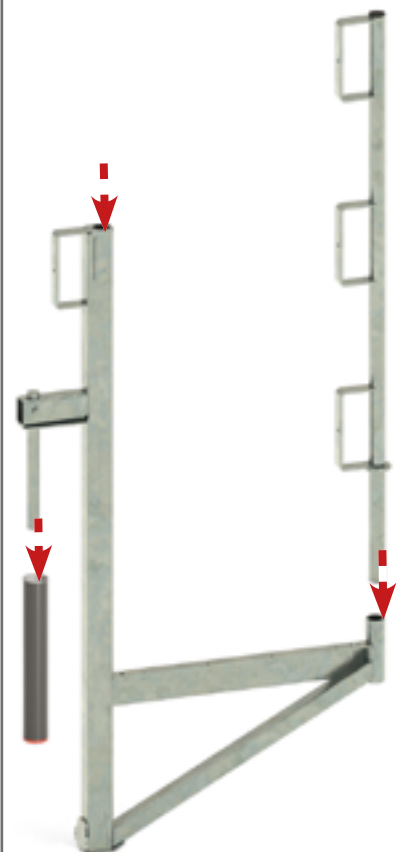
Stable walkway– quickly created with on-site planks and boards.

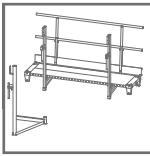
Practical installation kit – for pre-concreting protection and allowing direct insertion of the railing support after removal.

Front side guard at the end of the walkway.



3 insert options for plug-in railing support.
Safety in every construction phase.





Working platform for twin walls made entirely of steel, foldable consoles for storage and transport.



The working platform for twin walls is the logical evolution of the proven single brackets. The folding mechanism ensures simple and safe operation and prevents assembly errors.

NEW: Adaptor parts to secure STAFE steep stairs and construction stairs, telescopic back guard



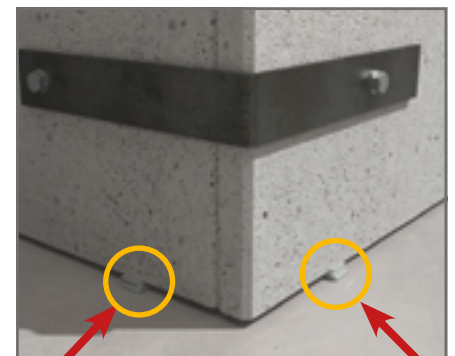
Further accessories for the installation of guard rails:

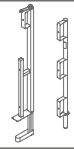
Twin wall clamp with plug-in railing support

The solution for fast mounting of guard rails on twin walls.



Twin wall angle and metal Druleg packing plates





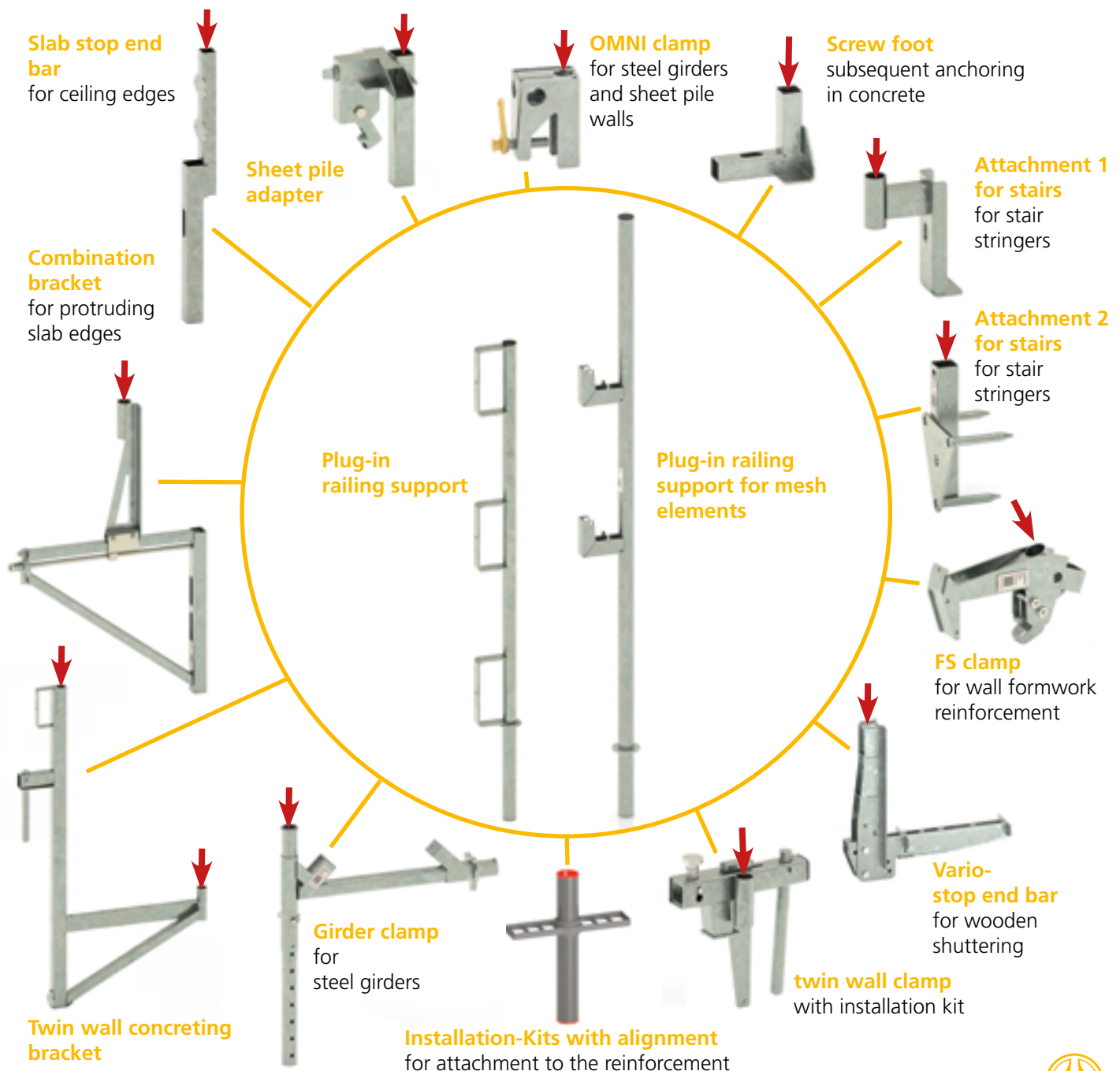
PLUG-IN – CLAMP – SCREW: your benefits at a glance

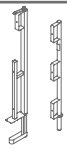
- Create a robust barrier for safety when working near open slab edges.
- All railing supports and accessories are galvanised for a long service life.
- Post spacings max. 2.00 m with side planks 15 x 3 cm.
- Sturdy, non-bending brackets, inner clearance = 65 x 165 mm for 2 overlapping side planks.
- All brackets have holes to nail on and secure the side planks.
- Multiple types for different fastening methods at the construction sites.
- Comprehensive range of accessories available.

Further information



PLUG-IN: The multi-talented plug-in railing support can be combined for many applications!





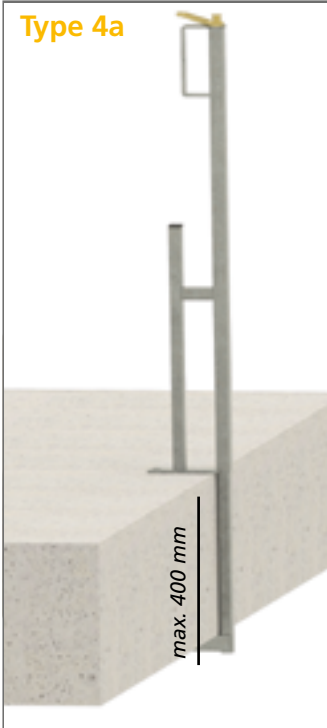
CLAMP: Railing clamp in 2 versions:
Clamping range up to 800 mm



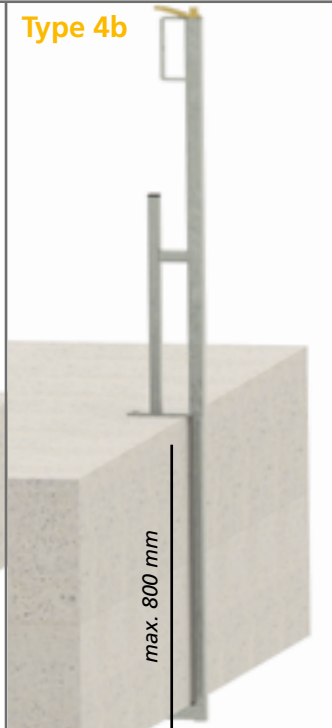
CLAMP: Combination railing clamp
vertical/horizontal clamping



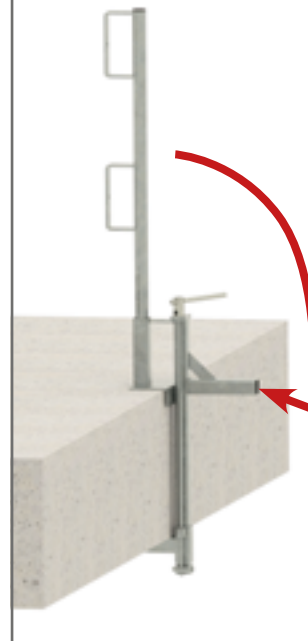
Type 4a



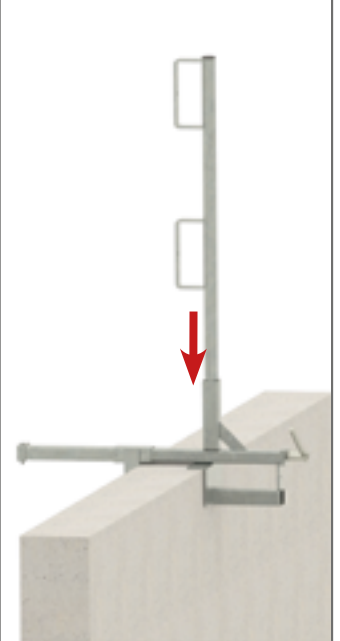
Type 4b



2-part comprising post and clamp with clamping range 80 up to 400 mm



Rotate clamp 90° inserting railing post



CLAMP: A quick solution for edge protection on precast concrete slabs:
FILI railing supports for mesh elements and wooden side planks

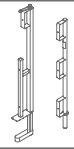


- Specially designed for clamping between the mesh girders and the concrete shell.
- Secure, universal attachment with two hooks on the inner tube that are hooked into the cross point of the diagonal rods.
- Convenient operation by turning the top-mounted crank.

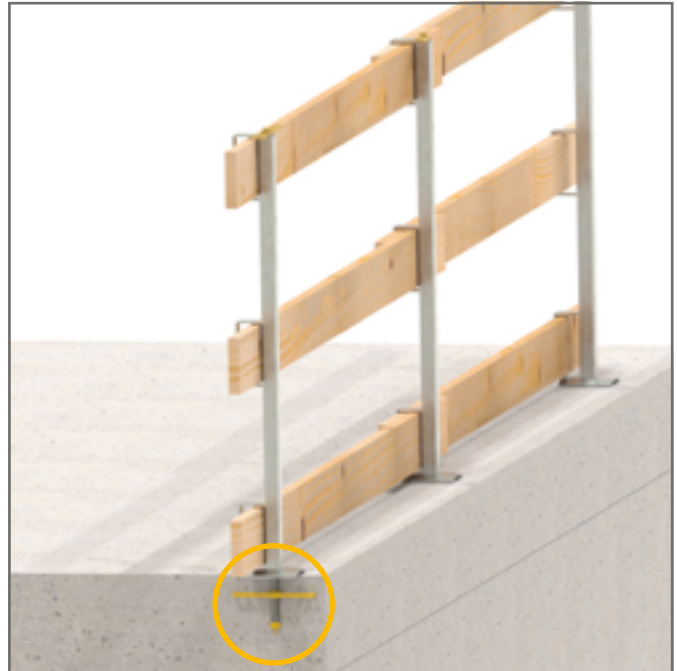


NEW
Revised
and improved
design





SCREW: Threaded railing support D&W 20 mm for fastening before concreting



Before concreting: Installation-Kit with alignment D&W 20 mm

SCREW: Universal railing support for subsequent mounting with flexible hole patterns



Fastening with the screw-in set

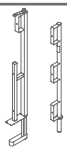


Fastening with a conventional concrete screw



Fastening with four wood screws





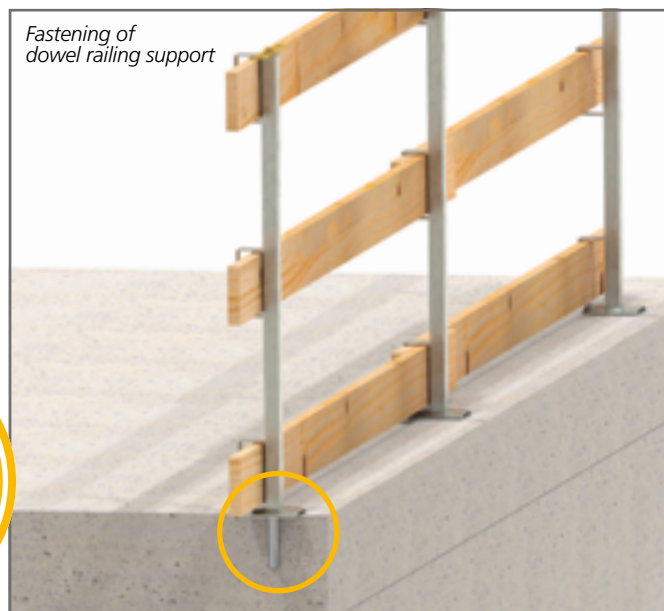
SCREW: Dowel railing support D&W 15 mm Subsequent mounting on slab edges without additional accessories



see page 8

TIP:
Order D&W 15
and accessories
on the same
time!

Fastening of
dowel railing support

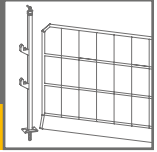


NEW: Lift shaft protection: your benefits at a glance

- Temporary protection for elevator shafts, doors and windows during construction work.
- Can be mounted in reveals or on walls.
- Use of 3 side planks (150 x 30 x max. 2000 mm).
- Open plank slot at the bottom allows the screed to be shuttered up to 150 mm (when mounted higher).
- Custom designs possible.

Further information





Your benefits at a glance:

- Mesh elements and posts with storage racks – a quick, safe and economical system for all areas.
- Meets and surpasses the requirements of DIN EN 13374.
- Verified statics for use at heights of up to 200 m.
- Mesh elements with a square tube running around the sides for safe and convenient handling.
- Low weight, can be carried by 1 person.
- Easy to use: simply hang the elements onto the posts.
- Sloping toeboard for enhanced stability and to prevent structural parts from falling.
- Post spacing 2.50 m – height 1.20 m.
- Various post mounting options available.

Further information

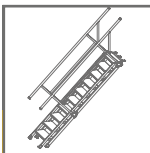


Quick-to-install safety barrier with mesh elements for slab edges available in 2 lengths and with 3 different railing supports



TIP:
All accessories
for plug-in
railing supports
see page 21





STAFE Stairways: your benefits at a glance

- Safe ascent and descent on construction sites and at workplaces.
- Cost-effective creation of temporary stairways.
- Maximum safety with steps that are always horizontal regardless of the angle of inclination (between 30 and 60 degrees to the ground.)
- Flexible adaptation up to room heights of 5.00 m.
- Lightweight aluminium design.
- Ready to use immediately – assembled in just a few minutes.
- Steps made of non-slip treadplate (serrated).

Further information



STAFE Stairways: 3 different lengths with convenient width for safe working!



Flexible & space saving!

Multipart – Store and transport the railing and steps separately.

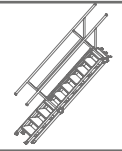
Simple assembly – railing can be inserted at any angle.

Automatic step adjustment – to any angle of inclination.



TIP:
Special sizes
and lengths
available on
request!





STAFE steep stairs: your benefits at a glance

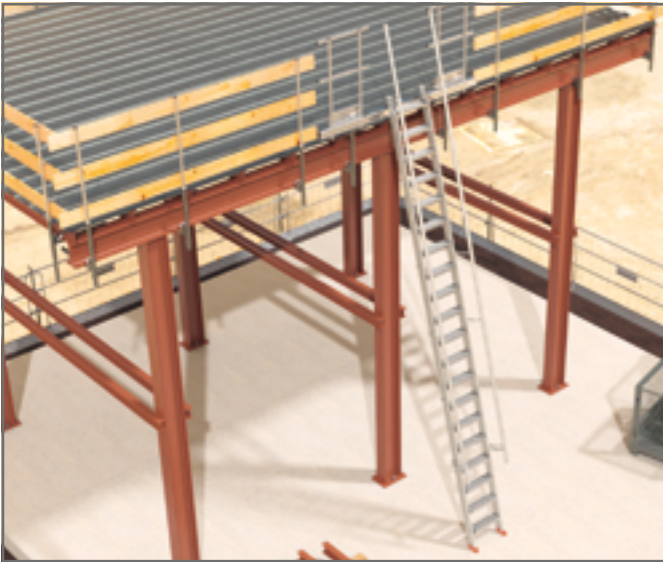
- Safe ascent and descent on construction sites and at workplaces.
- Cost-effective creation of temporary stairways.
- Maximum safety with steps that are always horizontal regardless of the angle of slope (between 60 and 75 degrees to the ground).
- Flexible height adjustment from 2.90 m up to 5.40 m.
- Lightweight aluminium design.
- Integrated handrail on both sides that extends telescopically for gap-free safety.
- Ready to use immediately – assembled in just a few minutes.
- Steps made of non-slip treadplate (serrated).

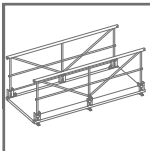
Further information



STAFE steep stairs

4 different lengths with convenient widths for safe working!





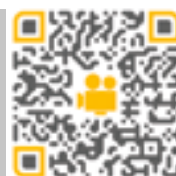
Your benefits at a glance:

- Safe crossing from embankment to building, from building to crane and even from floor to floor across a courtyard.
- Fast assembly, safe and fast implementation.
- Extremely slip-resistant and dirt-repellent galvanized steel coating.
- Permitted load capacity 1.5 kN/m² with an unsupported span of 12 m.
- Also suitable as an escape route with higher load capacity of 2 kN/m² and a permitted unsupported span of 6 m.
- Foldable guardrails and stackable bridges for space-saving transport and storage.
- Suitable for new developments and renovation projects.

Further information

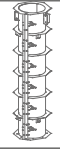


**Safe crossing of dangerous terrain with side guard rails.
Also suitable for transporting material with wheelbarrows in
conjunction with apron plates!**



TIP:
Further
accessories
can be found in
our catalogue!





Your benefits at a glance:

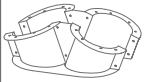
- In-situ concreting of round concrete columns in facing concrete quality.
- Rentable in diameters from 240 mm to 1200 mm.
- Length gradations in 50 cm steps.
- Max. concrete pressure 120 kN/m².
- Easy to set up, with centring pins ensuring that the two halves of the formwork fit together perfectly.
- Quick-lock mechanism with a D&W 15mm diameter screw and wing nut.
- Continuous rubber seal at the longitudinal joint to prevent concrete bleeding.
- New longitudinal profile for connection to frame formwork for oval columns without special parts.
- Galvanised concreting platform including side guard suitable for all diameters without annoying adjustment.
- Intermediate sizes can be produced as purchased parts on request.

Further information



Round columns in perfect facing concrete quality for in-situ concreting
Available in many standard sizes and connectable for larger heights





Your benefits at a glance:

- Tailor-made solutions: building faster, safer, and better – from idea to finished product.
- Structural calculation included.
- Custom Formwork can be manufactured on request for specific projects.
- Formwork design and production from a single source.

Further information



**Enormous variety – solutions for complex formwork problems.
Special-purpose solutions manufactured by us!**

Application examples:



BV Thyssen Tower: Steel construction in combination with aluminium towers



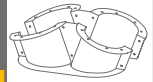
BV SKY Bietigheim: Special formwork platforms for precast elements



BV S21: Specialised Heavy-duty Falsework

TIP:
Planning
Design
Production
Made in Germany!
We look forward
to your enquiry!





Your benefits at a glance:

- Construction site-oriented special-purpose formwork with material to purchase and rent.
- Special project-specific formwork can be manufactured.
- For the concreting of concrete structures in facing concrete quality at the construction site or in the prefabrication plant.
- Available as one-off designs or in combination with standard wall and ceiling formwork.
- One-stop planning and manufacturing of the formwork structure.
- "Breathable formwork" for jointless concrete parts.

Further information



**Enormous variety – solutions for complex formwork problems.
Special-purpose solutions manufactured by us!**

Application examples:



Special-purpose formwork for mast foundations before delivery



Result after stripping work

TIP:
Planning
Design
Production
Made in Germany!
We look forward
to your enquiry!

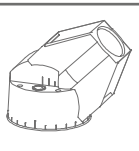


Special Y-shaped formwork combined with round column formwork



Result after stripping





Your benefits at a glance:

- For D&W 15 and D&W 20 mm.
- Infinitely variable anchoring angle from 45° to 90°.
- Vast savings of time and money.
- The cone base is easily detached with a tool after removal of the formwork.
- A circular cut-out always remains irrespective of the anchoring angle.
- It is easily closed with the ROBUSTA fine-grained concrete cone.
- This ensures a clean facing concrete surface.
- Perfect, consistently reproducible facing concrete tie points are possible even in complex installation scenarios.
- A sealing lid prevents bleeding through the base.

Further information



2-part angle cones in D&W 15 and D&W 20 mm: remaining round cut-out in the facing concrete surface after cone removal

- ① **Base cone** with sealing lid, recoverable
- ② Tiltable **head piece**, non-recoverable, with angle markings for precise installation and a flange to hold the coupling nut or spacer tube according to wall thickness

D&W 15 mm

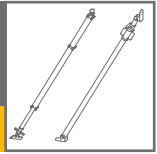


D&W 20 mm



TIP:
Order
2-component
adhesive and
fine-grained cones
at the
same time!





Your benefits at a glance:

- 4 sizes with extension lengths from 0.90 m to 20.0 m, loads up to 50 kN.
- Types M, R and S are telescopic. Type BKS is additionally composed of individual elements.
- Reducing sleeves to prevent the end hinge slipping.
- Key detail in all types: the end hinges can be twisted against each other, making it easy to assemble the supports in a diagonal arrangement.

Further information

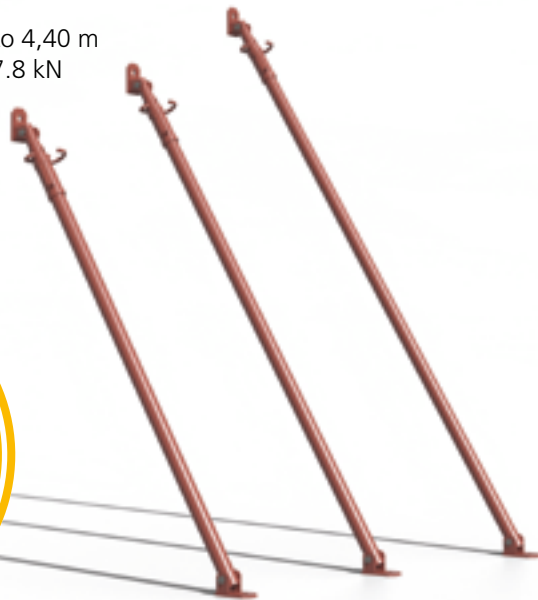


Types M and R: the lightest props variation for diverse applications

Type M

Extension length: 1.80 m up to 4,40 m

Load capacity: 1.4 kN up to 27.8 kN



TIP:

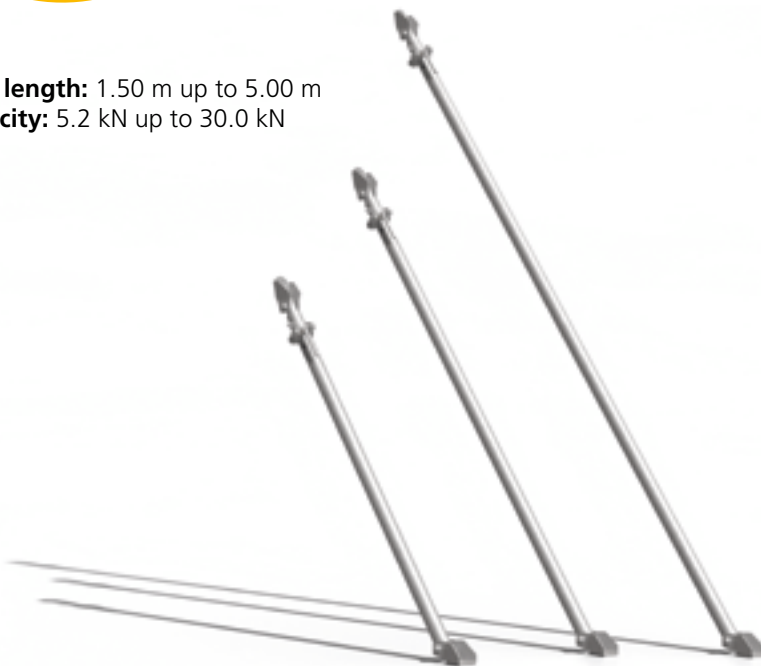
Secure with
Installation-Kit and
screw-in set
see page 7

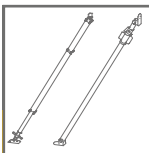
Impact dowels for
subsequent
anchoring
see page 9

Type R

Extension length: 1.50 m up to 5.00 m

Load capacity: 5.2 kN up to 30.0 kN



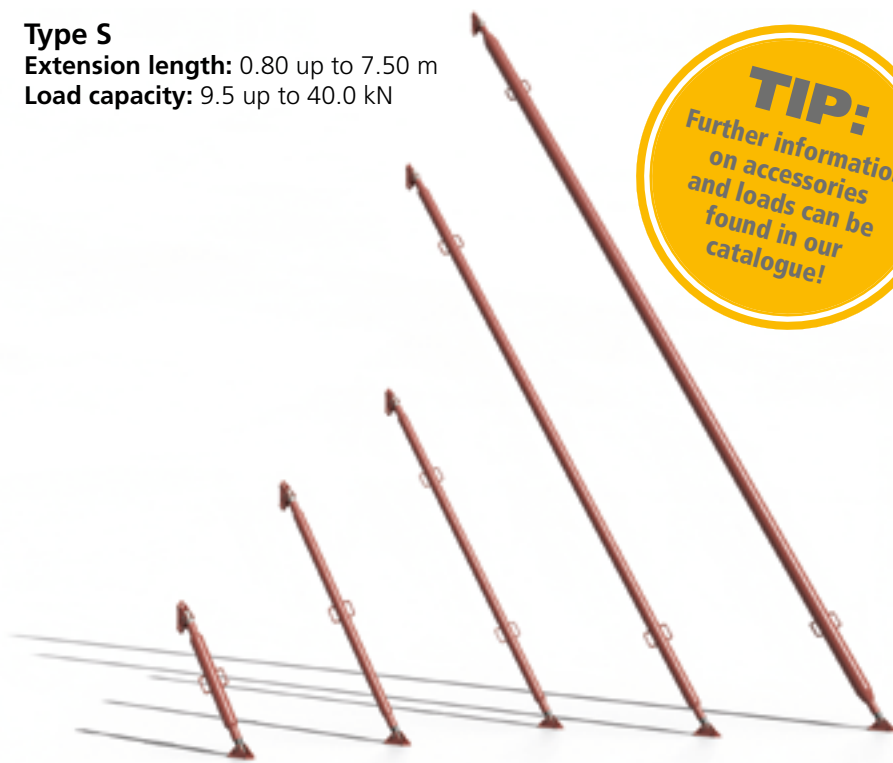


Types S: high load capacity and versatile use thanks to handy weights

Type S

Extension length: 0.80 up to 7.50 m

Load capacity: 9.5 up to 40.0 kN



Types BKS: our "modular system". Extra-high capacity and lengths up to 20 m

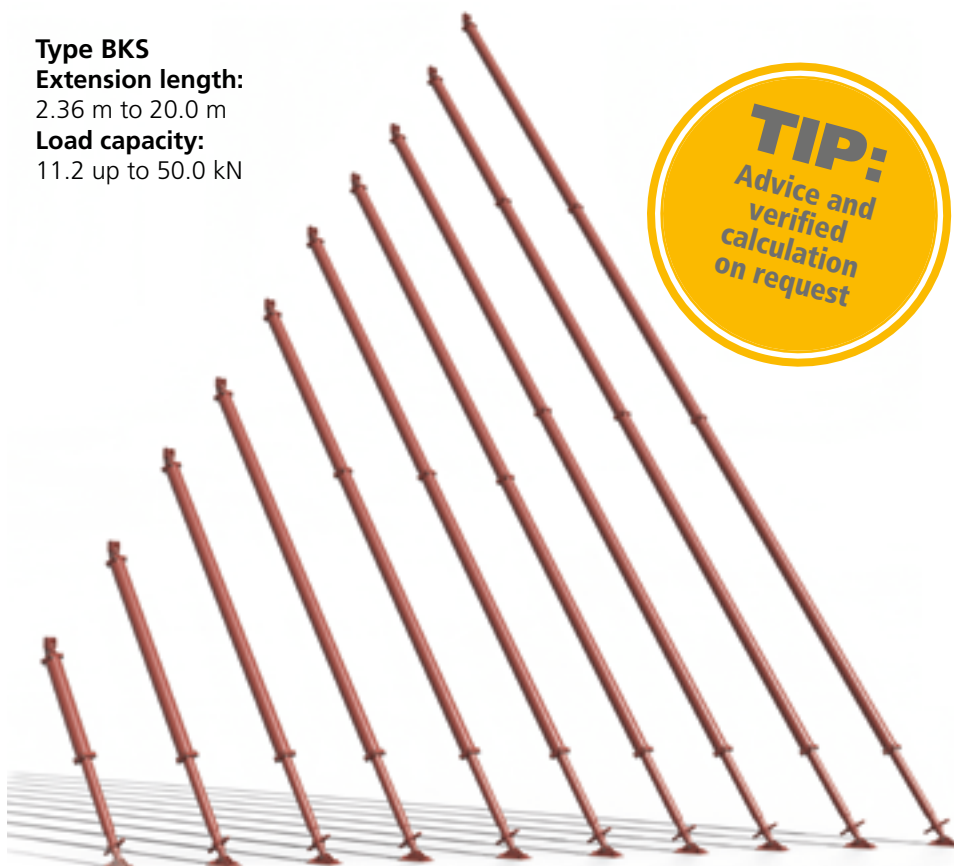
Type BKS

Extension length:

2.36 m to 20.0 m

Load capacity:

11.2 up to 50.0 kN





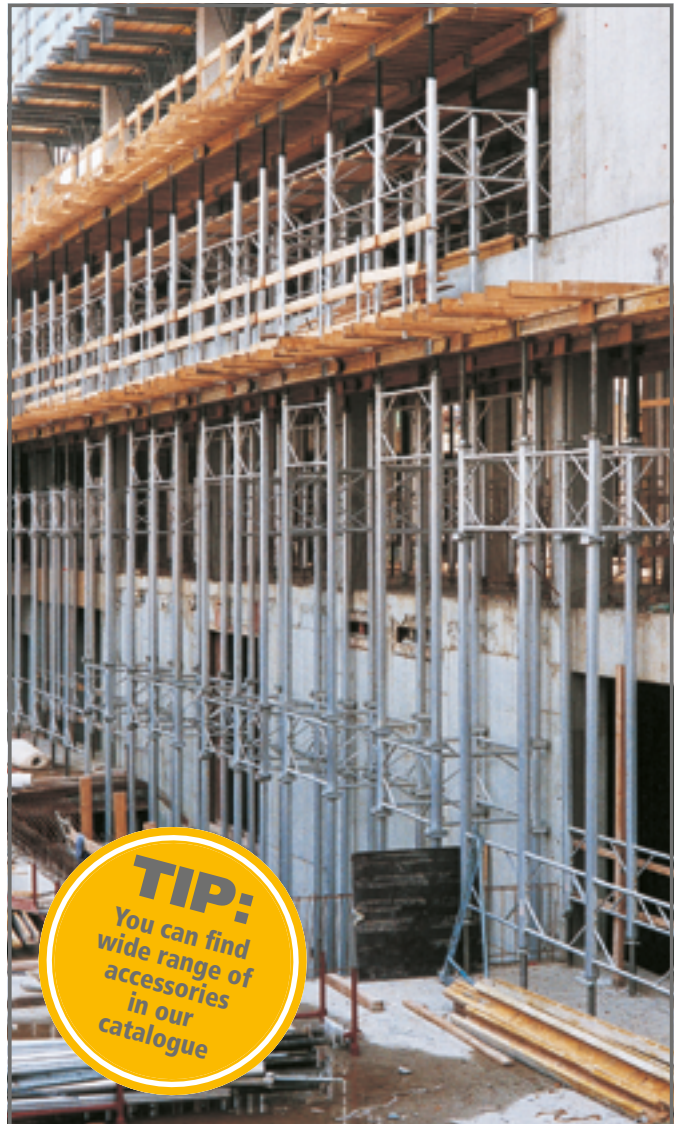
Your benefits at a glance:

- For heavy load bearing in conjunction with high room heights.
- Use as single props or shoring towers with horizontal aluminium frames.
- 3 different prop sizes and intermediate pieces for heights between 0.80 m and over 20 m and loads up to 100 kN.
- 2 stable stringer beam dimensions for larger prop intervals and higher loads.
- Static strength verification and general building approval.
- Comprehensive range of accessories.
- Excellent handling thanks to low dead weight.
- Long service life – no danger of rusting.

Further information

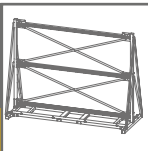


Low-weight individual props with 3 times the load-bearing capacity of steel props. Scaffolding towers can combine different beams and horizontal frames.



TIP:
You can find
wide range of
accessories
in our
catalogue





Your benefits at a glance:

- Secure intermediate storage for precast wall panels at the production facility or construction site.
- Also ideal for wall formwork - improved organisation and safety at the construction site.
- Each storage rack is a self-contained structural system.
- Dismantles to save space for compact transport and storage dimensions.
- Extendable to 4.60 m for high wall elements and precast panels.
- Set up anywhere on firm ground without the need for additional anchors or special foundations.
- With a second perforated beam for low embankment elements and to additionally secure high wall elements against tipping.
- Consists of just a few frame elements for fast assembly and dismantling.
- Perforated beams can also be supplied individually as storage rails.

Further information



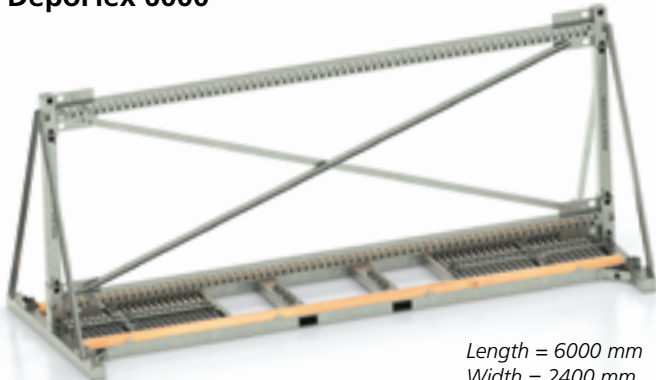
Safety and organisation at the construction site!

Convenient storage, even of large construction elements such as wall formwork

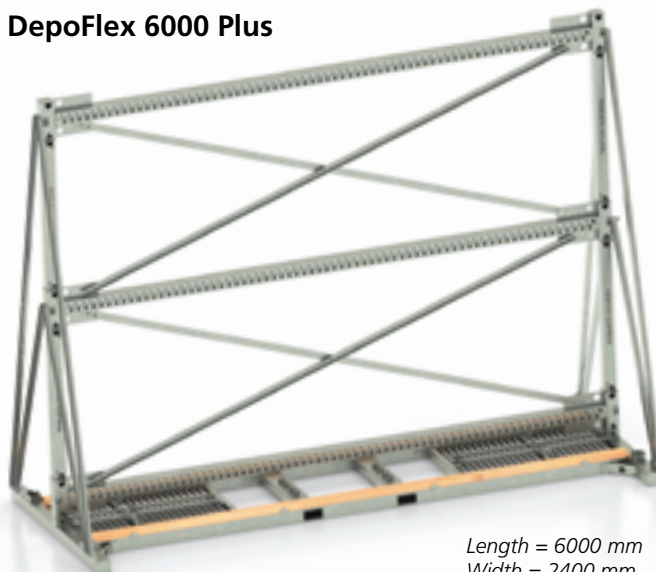


**DepoFlex 4000**

Length = 4200 mm
Width = 1490 mm
Height = 1920 mm

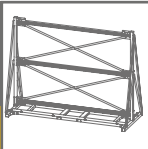
**DepoFlex 6000**

Length = 6000 mm
Width = 2400 mm
Height = 2620 mm

**DepoFlex 6000 Plus**

Length = 6000 mm
Width = 2400 mm
Height = 4620 mm





Alternative: use individual perforated beams as storage rails

Universal mounting on load-bearing columns and supports made of steel profiles or concrete.

With 3 loose mounting straps that are welded at the required points on site.

Standard length of 6 m always in stock. Other lengths available on request.

Detail:

The two offset rows of holes in the perforated beams provide a narrow-spaced grid for inserting the holding bolts, which ensures that the elements can be placed close together in an extremely space-saving manner.



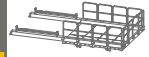
Accessory: Cotter pins

Stable cotter pins made of solid round bars with a transparent coating to protect sensitive prefabricated facing concrete elements.

Important for the proper securing function of the cotter pin:

The coatings also indicate the correct insertion depth into the perforated beams.





Your benefits at a glance:

- Safe storage area outside the building.
- For the delivery and removal of formwork and scaffolding material by crane without dangerous diagonal pull.
- Chequer plate floor with closed sides for effective protection against falling small parts.
- No height difference between the upper edge of the platform floor and the concrete slab.
- All-round side guard and all connectors are included in the scope of delivery; no additional parts or improvisation with wooden planks necessary at the construction site!
- Suitable for new developments and renovation projects.
- Annual UVV inspection by ROBUSTA-GAUKELE available as a service.

More information

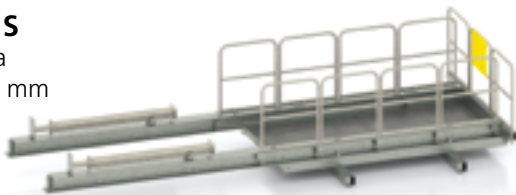


Safe lifting of materials between levels and into the building.



TrapoFlex S

Platform area
2900 x 1200 mm



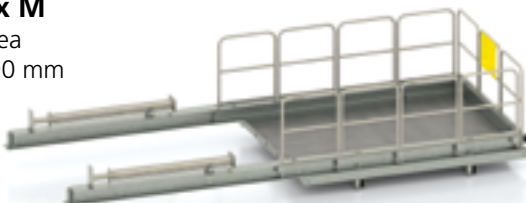
TrapoFlex L

Platform area
3210 x 2600 mm



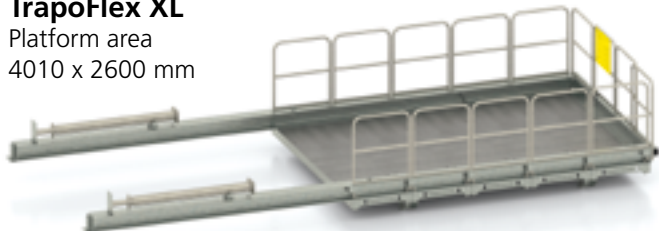
TrapoFlex M

Platform area
2900 x 2000 mm



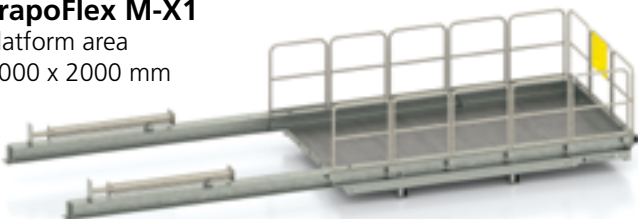
TrapoFlex XL

Platform area
4010 x 2600 mm



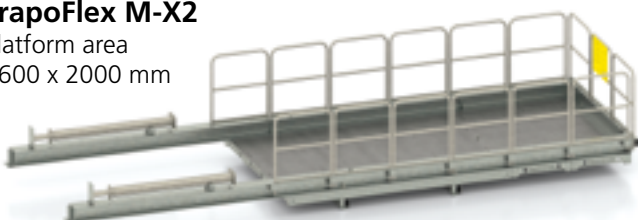
TrapoFlex M-X1

Platform area
3000 x 2000 mm



TrapoFlex M-X2

Platform area
4600 x 2000 mm



TrapoFlex – flexible and perfect fit!

6 sizes for diverse applications.

Various fastening options for maximum flexibility.

Custom manufactured to your specifications!





Variable mounting to the building



Mounting by way of tensioning with aluminium ceiling props



Mounting on balustrades

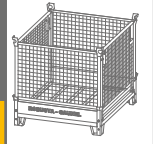


Mounting by way of anchoring in the slab



Mounting with support under the slab





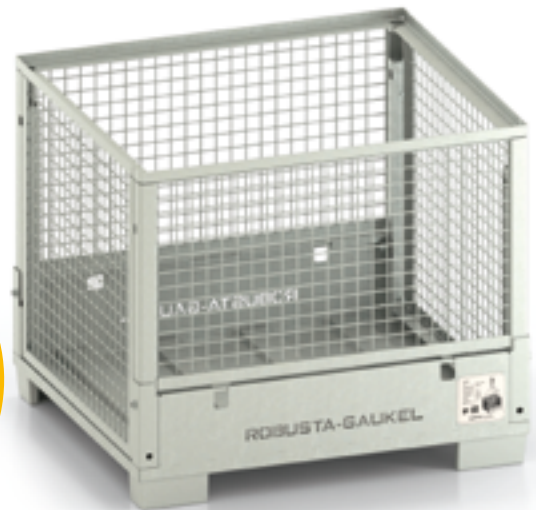
Your benefits at a glance:

- These transport and storage crates can be hoisted by crane - indispensable for the safe transportation of small materials and formwork accessories at the construction site.
- The crates can be personalised with a logo for fast on site identification
- Galvanised for a long service life.
- Robust steel base.
- MAXI crate optimised for the transport and storage of tripod prop holders and Big Bags, foldable, with folding side walls for easy loading and unloading.
- EURO crate in standard mesh crate dimensions.
- Crate trolley for easy moving on the construction site.

Further information



RoBox: perfect for every requirement – custom designs possible on request!



RoBox EURO – compatible & durable!

Identical dimensions to Euro mesh crates

Crane attachment – attachments for crane hooks are integrated into the rigid crate.

Hot dip galvanised for maximum durability.



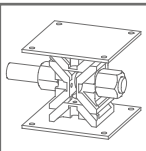
RoBox MAXI – robust & space-saving!

Suitable for **tripod prop holders & Big Bags**.

Fold in sides for compact storage & transport

Two folding walls for easy loading and unloading.





Your benefits at a glance:

- For lowering heavy loads in soffit scaffolding and steel structures.
- 2 types for permissible loads of 420 kN and 1000 kN.
- Robust and rugged design.
- Cheaper and easier to use than hydraulic systems.
- Precise height adjustment and predictable settlement.
- Test reports confirm guaranteed load-bearing capacities.

Further information



Perfect for supporting and lowering steel girders, scaffolding, prefabricated concrete girders, concrete slabs, etc.

Wedge jack – strong & versatile!

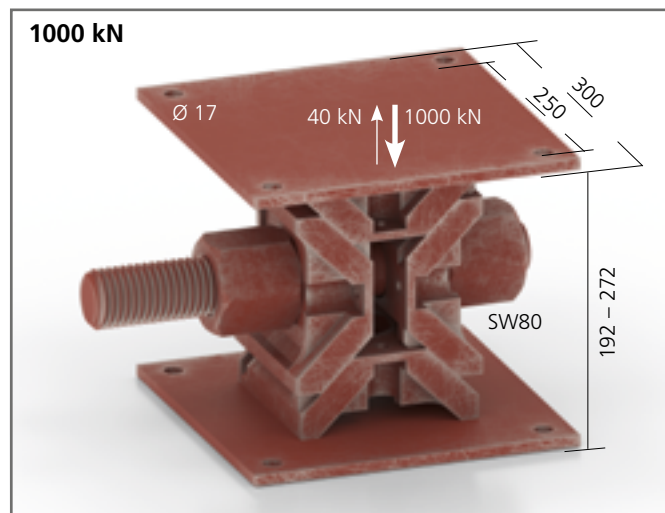
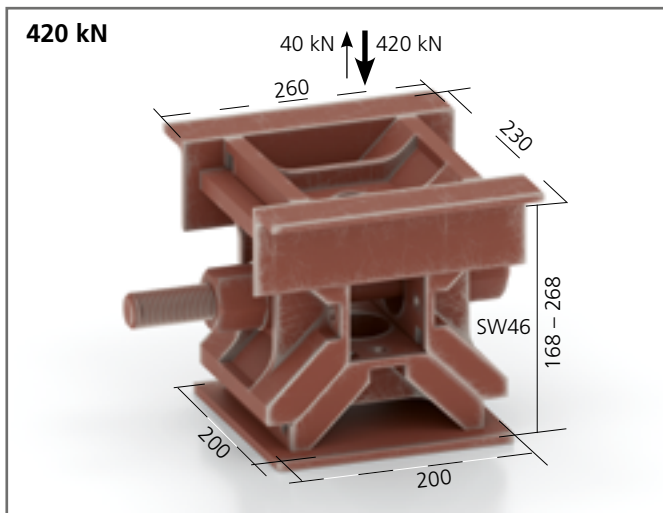
Ideal for supporting & lowering steel girders, scaffolding, prefabricated concrete parts and more.

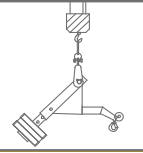
Lifting force up to 40 kN.

Matching keys available as accessories.



Free wheel ratchet





Your benefits at a glance:

- ROBUSTA-GAUKEL is the sales partner for Germany, Austria and Switzerland
- Modular solutions for the safe and efficient transport of heavy crane loads on construction sites
- For structural construction or renovation work, available for purchase or rental
- Modular standard range with a wide variety of attachments; customised solutions are also available
- Precise height adjustment and predictable settlement.
- Test reports confirm guaranteed load-bearing capacities.

Further information



Bomecon lifting technology offers solutions for lifting a wide variety of loads by crane: positioning beneath overhangs or cantilevers, balancing and orienting loads, and placing them efficiently and precisely.

Products and application examples:



Combi-Steker



Combi-Steker with accessories

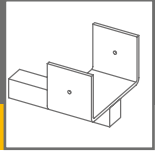


I-Boom with accessories



4D Balancer





Suspension shoes – a safe base for platforms and covers!

Ideal for lift shafts and large apertures – can be combined with stringer beams and wooden planks

Insertable:

Type "light" (3 kN) – tube profile

Type "heavy" (10 kN) – solid profile

Socket for both suspension shoe types

For Halfen rails and anchor bolts:

Halfen rail fastening (7 kN) – with T-head bolt or directly mountable

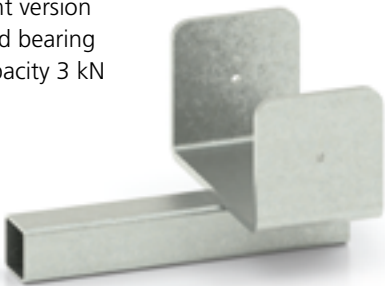
Affixed with anchor bolt (2 kN) – to a suitable anchor

Further information



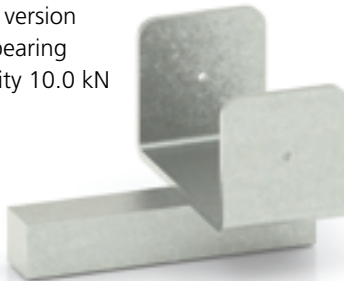
Suspension shoe

light version
load bearing
capacity 3 kN



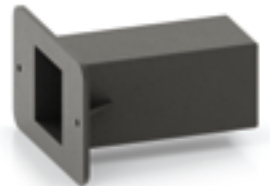
Suspension shoe

heavy version
load bearing
capacity 10.0 kN



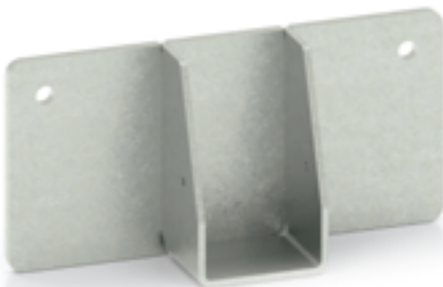
Socket

for suspension
shoes 30 x 30 x 80 mm



Suspension shoe

for Halfen rails affixed with anchor bolt,
load bearing capacity 7 kN



Suspension shoe

affixed with an anchor bolt,
load bearing capacity 2.0 kN

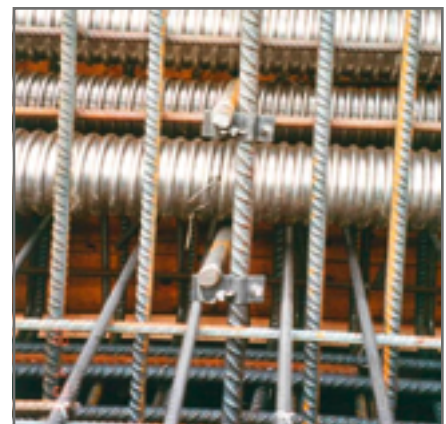


Traverse clamp left/right

Flexible support for prestressed members!

Crossbar support for corrugated sheathing.

Advantage: Can be adjusted retrospectively – no fix welding point required.



ROBUSTA-GAUKELE GMBH & CO. KG

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