

**MAYER**  
Schaltechnik



Quality Made in Germany

**PAX**  
Column formwork **HD**

<b>Contents</b>	<b>Page</b>
<b>Basic principles</b>	
Features	4
The system	5
Element sizes	6
<b>Usage</b>	
Extending the height	7 – 8
Setting the cross-section	9
Closing and opening	10 – 11
Attaching push-pull props	12
Attaching concreting platform	14 – 16
Attaching ladder with safety hoops	17 – 22
Concreting, cleaning, transport	23
Striking	24
Relocating	25
<b>Parts list</b>	26 – 31
<b>Safety information</b>	32



## The fastest way to build formwork for square and rectangular columns

PAX HD column formwork is a system for square and rectangular column cross-sections. The basic design is based on the concept of folding “wings”.

All formwork is supplied in preassembled units (cross-section size and height are set on site).

The formwork can be relocated completely in one lift. All attachments remain on the formwork. PAX HD 60 can be set for cross-sections from 20 x 20 cm to 60 x 60 cm in 5 cm steps. Rectangular cross-sections are also possible. PAX HD 60 and PAX HD 120 units can also be combined.

The plastic-faced formwork lining is screwed on from the back. This modern lining enables above-average reuse and produces excellent concrete finishes.

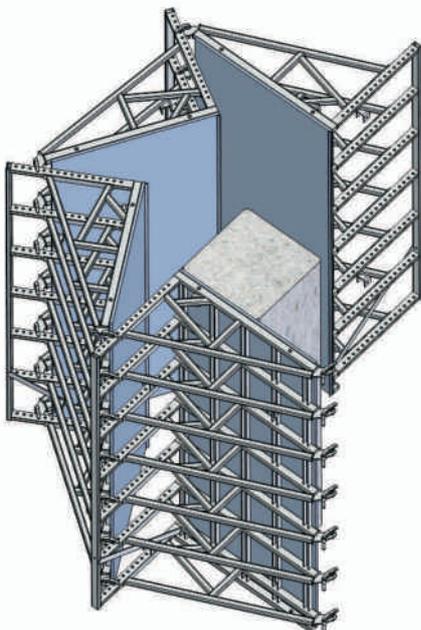
The permissible pressure of the fresh concrete is 120 kN/m<sup>2</sup> for PAX HD 60 and 80 kN/m<sup>2</sup> for PAX HD 120 (in each case according to DIN 18218, “Pressure of fresh concrete on vertical formwork”, and complying with DIN 18202, “Tolerances in building construction, Buildings”, Table 3, Line 7) when set for square cross-sections.

PAX HD column formwork is supplied in standard heights of 320 or 270 cm and consists of four identical “wings” that are joined together with special captive. The corresponding extension elements are 120 and 70 cm high. In addition, there are extension panels with a sheeting height of up to 40 cm which enable the PAX HD column formwork to be built to suit all concrete lift heights.

The formwork can be closed or opened **on any side**.

A base plate is fitted to the bottom of the formwork to prevent premature wear of both formwork and lining.

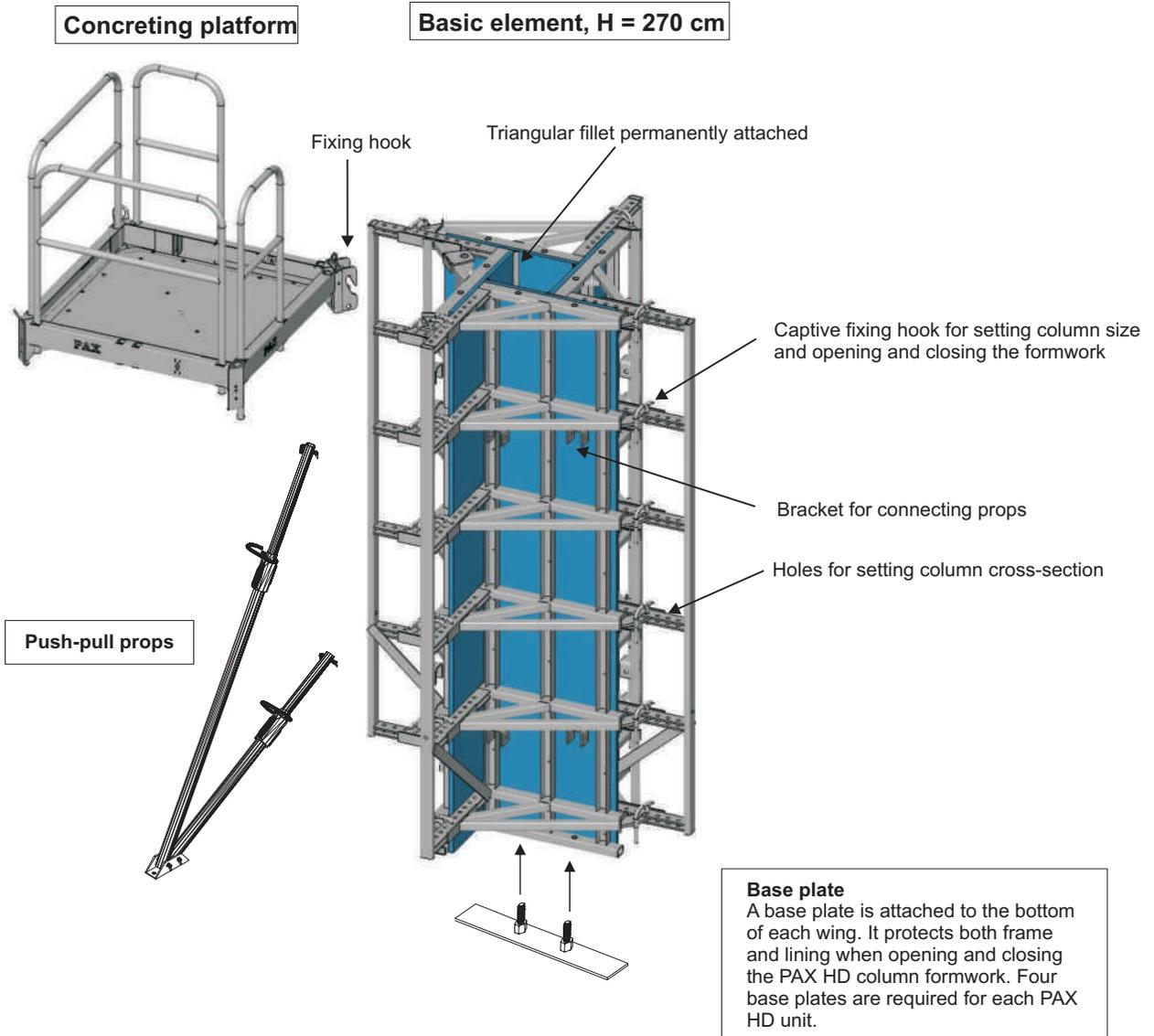
To complete the formwork and ensure safety at any height, a concreting platform plus access ladder can be added.



### Folding mechanism

The system is based on the concept of folding “wings”, i.e. four steel frames complete with lining and triangular fillets connected together with special captive fixing hooks inserted into perforated yokes. When striking the formwork, only one row of fixing hooks has to be released to enable the PAX HD formwork to be moved apart ready to be relocated by crane in one lift as a complete unit **while still open**. Alternatively, wheels can be attached and the formwork rolled to the next location.

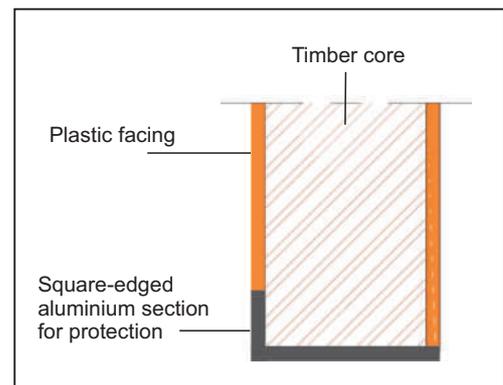
## The system



### Long-life plastic-faced column lining

PAX HD column formwork is supplied as standard with a long-life plastic-faced column lining, but can be fitted with other types of lining. The long-life lining consists of a birch wood core with a plastic facing on both sides. The great features of this are the lifetime of the lining, which is two to three times longer than that of conventional, phenolic resin-coated plywood, and the excellent (fair-face) concrete finishes that can be achieved even in the most demanding situations.

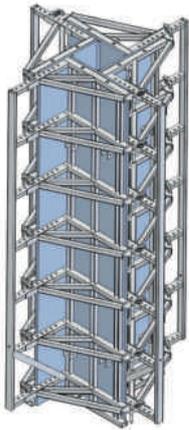
The long-life lining is fitted with square-edged protective aluminium sections top and bottom which prevent mechanical damage and moisture infiltration. The result is accurate edges so that high-quality concrete finishes are achieved even when extending the column formwork.



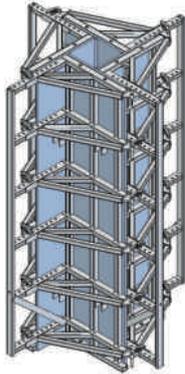
**Element sizes**

**PAX HD 60 element sizes**

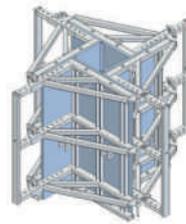
For square/rectangular columns from 20 cm to 60 cm in 5 cm steps



Element height 320



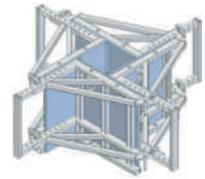
Element height 270



Element height 120



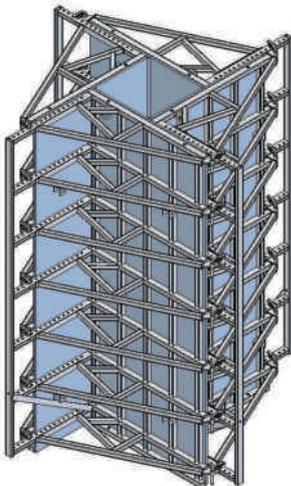
Extension panel



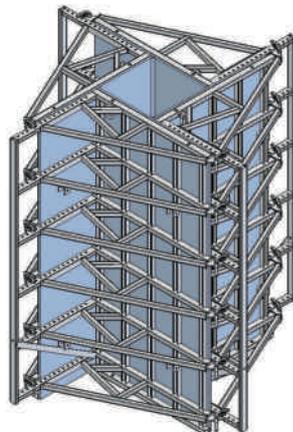
Element height 70

**PAX HD 120 element sizes**

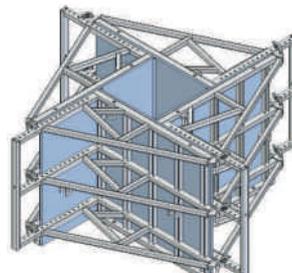
For square/rectangular columns from 50 cm to 120 cm in 5 cm steps



Element height 320



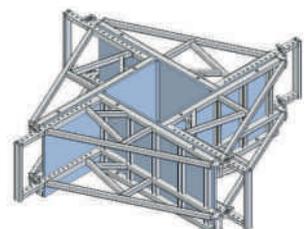
Element height 270



Element height 120



Extension panel



Element height 70

## Extending the height of PAX HD elements

### Infinite height adjustment

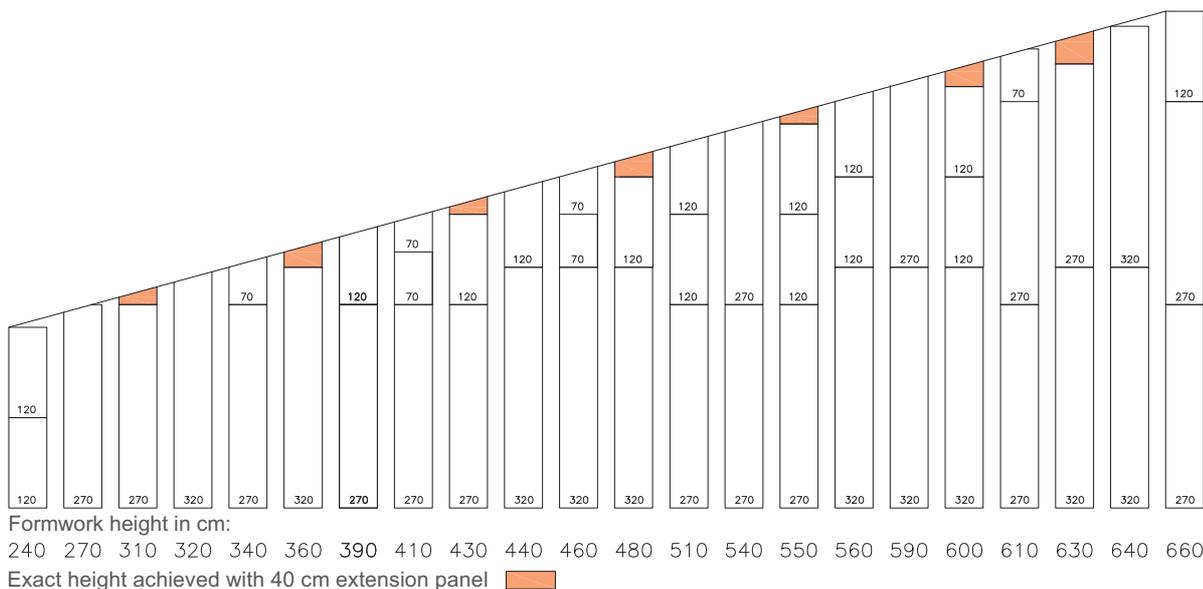
PAX HD elements plus the associated extension panels can be used to build formwork for any column height.

Make sure you do not exceed the permissible fresh concrete pressure, which is 120 kN/m<sup>2</sup> for PAX HD 60 and 80 kN/m<sup>2</sup> for PAX HD 120.

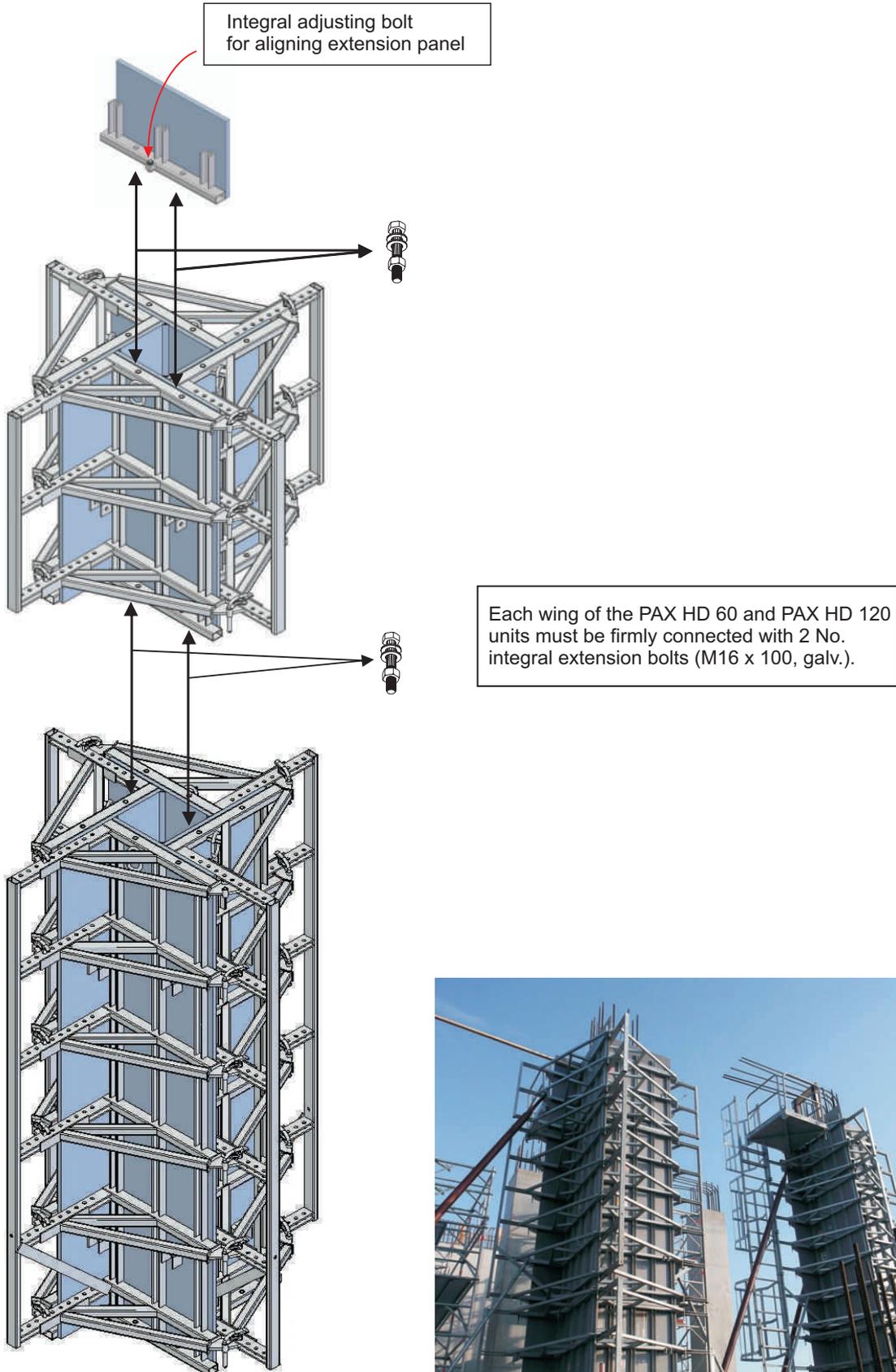
The extension procedure is identical for all PAX HD 60, PAX HD 120 and PAX HD Kombi units.

### Procedure for extending elements

- Connect the individual elements with the M16 x 100 extension bolts, which are passed through the holes in the frame.
- Extend the column formwork while it is open so that the joints between the separate elements can be aligned exactly and checked afterwards. Make sure that joints between lining sections are flush and that the edges of the lining are aligned vertically.
- Elements can be extended while they are lying horizontally on the ground (but only in the closed condition, which means it is impossible to check the joints between lining sections), but also when the elements are vertical. Extending the height with the elements vertical is recommended for higher quality requirements.
- Once the elements have been aligned, fully tighten the bolts to prevent any displacement during concreting.
- All elements are always supplied complete with the necessary bolts.
- The PAX HD extension panel can be used to extend the formwork exactly to the height required.
- **Important: Always secure vertical formwork against overturning!**



## Extending the elements



### Setting the cross-section

#### 1. PAX HD 60

The column cross-section can be set from 20 x 20 cm to 60 x 60 cm in 5 cm steps. Both square and rectangular columns are possible.

#### 2. PAX HD 120

The column cross-section can be set from 50 x 50 cm to 120 x 120 cm in 5 cm steps. Both square and rectangular columns are possible.

#### 3. PAX Kombi

PAX Kombi consists of two PAX HD 60 wings plus two PAX HD 120 wings. It is therefore possible to build column cross-sections from 15 x 75 cm to 60 x 120 cm in 5 cm steps. Square column cross-sections are not possible with PAX Kombi.

### Procedure for setting the cross-section

The procedure is identical for all PAX HD 60, PAX HD 120 and PAX HD Kombi units. Set the cross-section with the formwork vertical, also if extended.

#### Important:

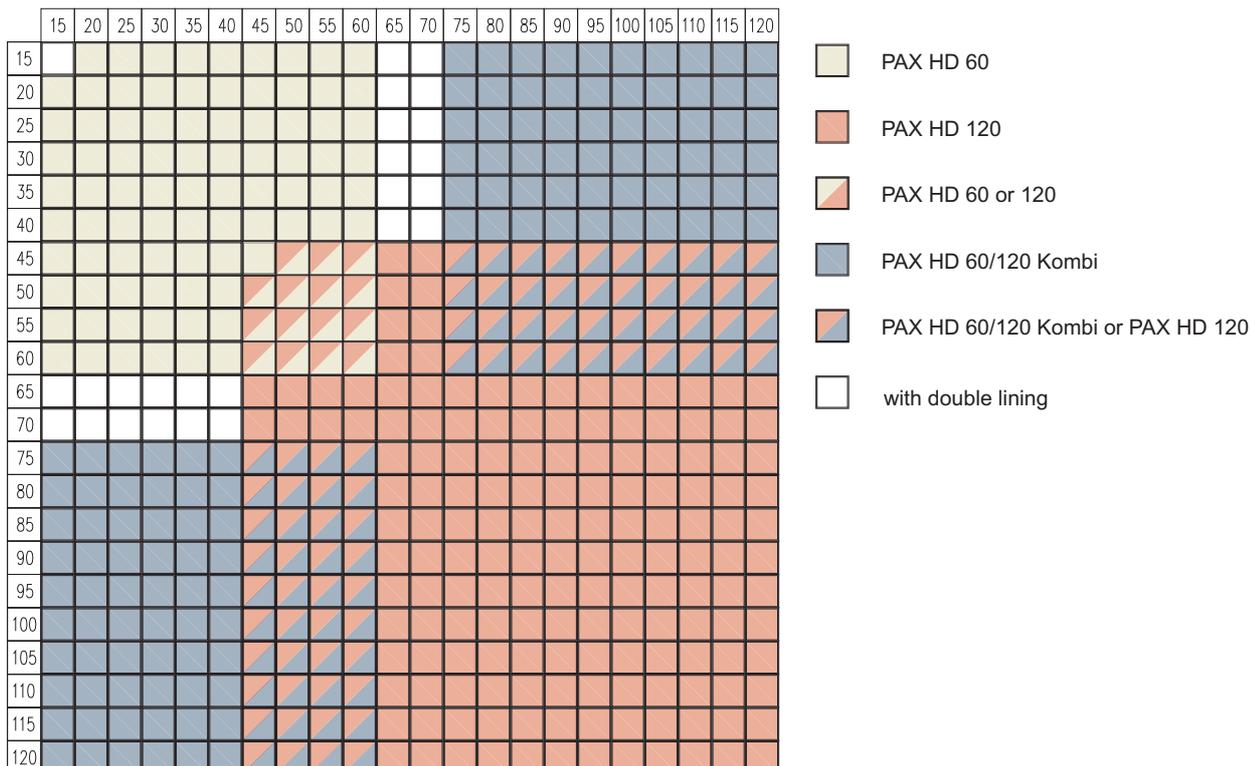
Always secure the PAX HD column formwork against overturning when carrying out this work! This can be done by, for example, suspending the formwork from a crane using a four-leg sling.

#### Procedure:

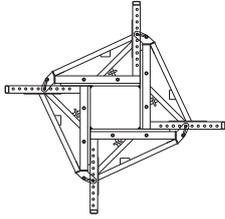
- Release all fixing hooks, starting with one wing.
- Move the wing to the size required.
- Re-insert the fixing hooks.
- Repeat the procedure for the other three wings.

### Diagram showing all cross-section options

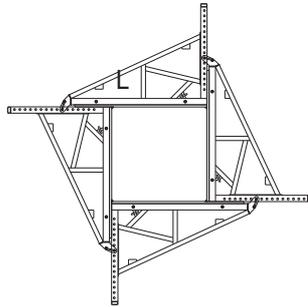
Combination options for PAX HD 60, 120 and 60/120



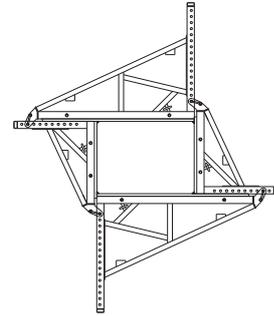
## Adjustment ranges



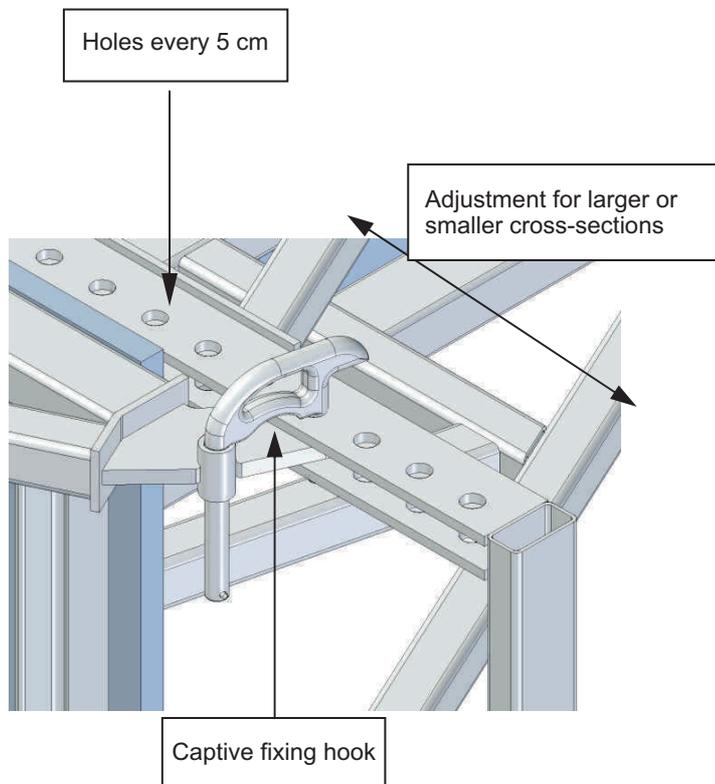
**PAX HD 60**  
adjustment range 20–60 cm



**PAX HD 120**  
adjustment range 50–120 cm combined



**PAX HD 60/120**  
adjustment range 20–120 cm



### Closing the PAX HD column formwork for concreting and opening after concreting

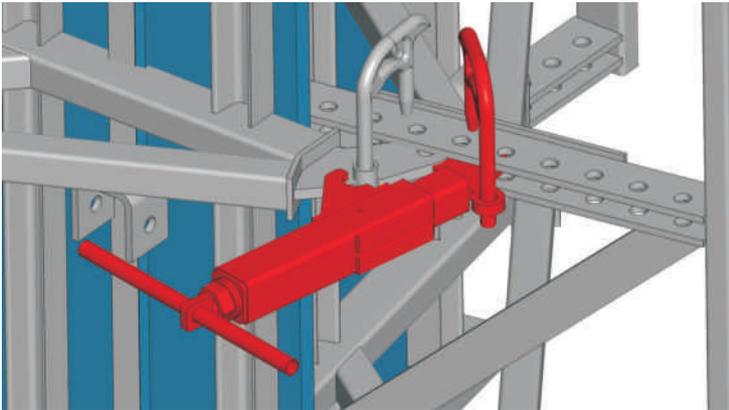
The PAX HD clamping tool is required for this.

The procedure is identical for all PAX HD 60, PAX HD 120 and PAX HD Kombi units.

Close the PAX HD column formwork around the column reinforcement as far as possible manually. Fit the PAX HD clamping tool with its integral fixing hook in the perforated yoke ① and ④. Now open the clamping tool far enough so that the lug engages with the fixing hook on the column formwork ④. Without using excessive force, tighten the clamping tool until the fixing hook on the column formwork can be inserted in the intended hole in the perforated yoke ④.

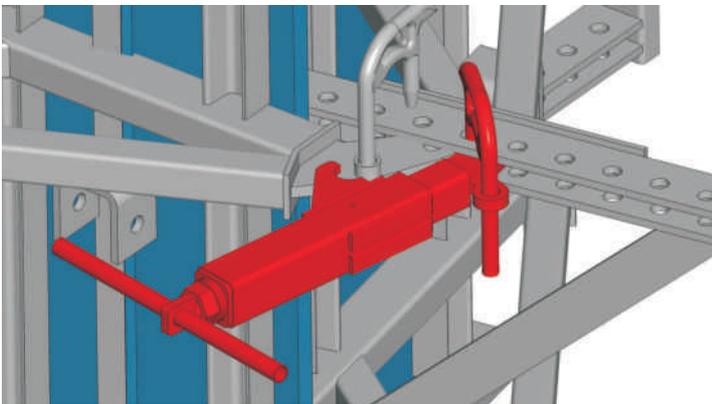
Repeat this procedure for the next higher yoke. Continue upwards until the formwork is completely closed.

**For opening the formwork after concreting, see page 24 “Striking”.**



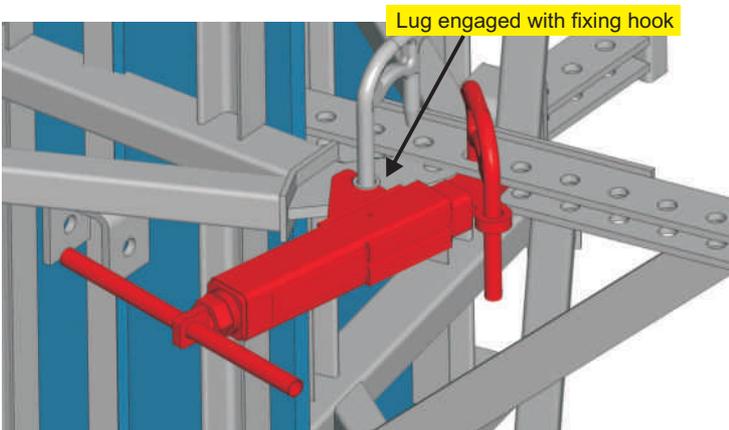
①

To close the formwork, fit the clamping tool between the perforated yokes as shown here.



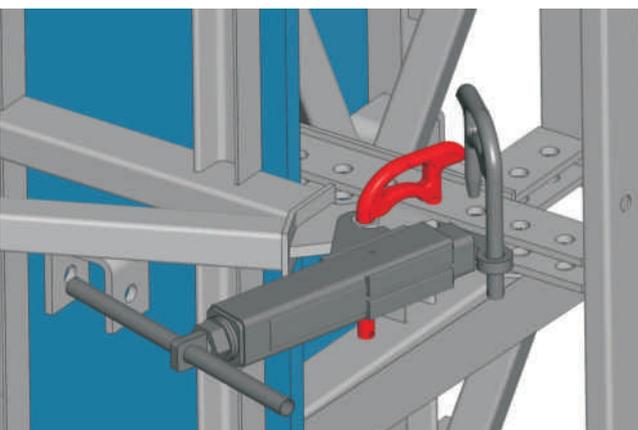
④

Insert the fixing hook on the clamping tool into the perforated yoke (column size + 5 cm, i.e. + 1 hole)



④

Tighten clamping tool until formwork closes.



④

Manually insert the fixing hook on the column formwork into the perforated yoke.

## Attaching props to the PAX HD column formwork

Push-pull props are required to align the PAX HD column formwork. The props are attached to the PAX HD basic element.

There are four prop connecting brackets on each wing of the 270 and 320 cm high elements and two on the 120 cm high element. The connecting brackets are suitable for all customary push-pull props. Each prop is fixed with one pin handle.

Vertical alignment of the PAX HD column formwork is carried out using at least two pairs of props that are attached to the formwork at 90° to each other. To prevent the column formwork from twisting during alignment, a third pair of props can be fixed to one of these two sides.

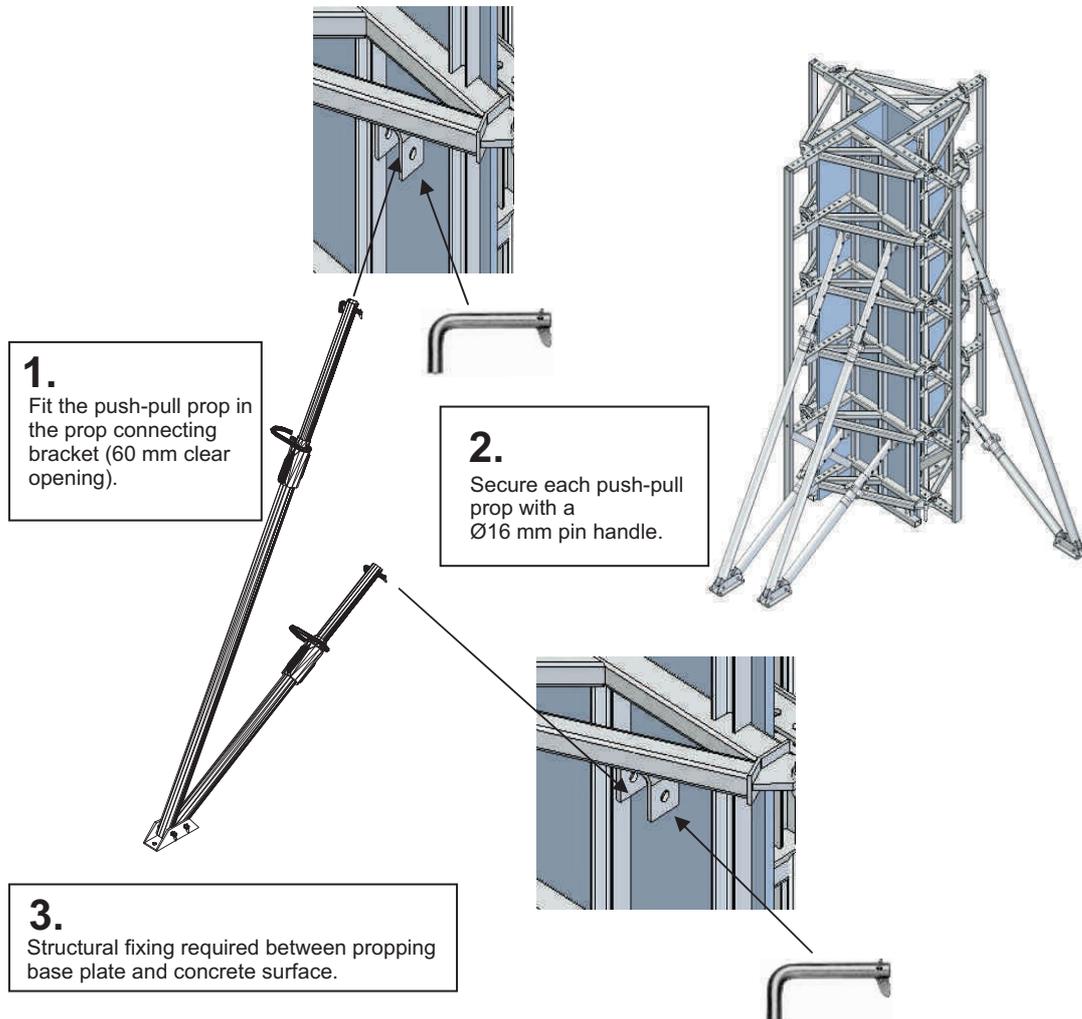
For column heights exceeding 350 cm, it is recommended to fix two more push-pull props to the upper element.

The sizes of the push-pull props should be chosen to match the height of the formwork.

This means that the extended length of additional props should at least correspond to the height of the column formwork.

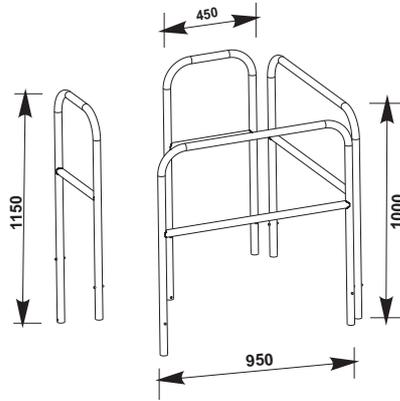
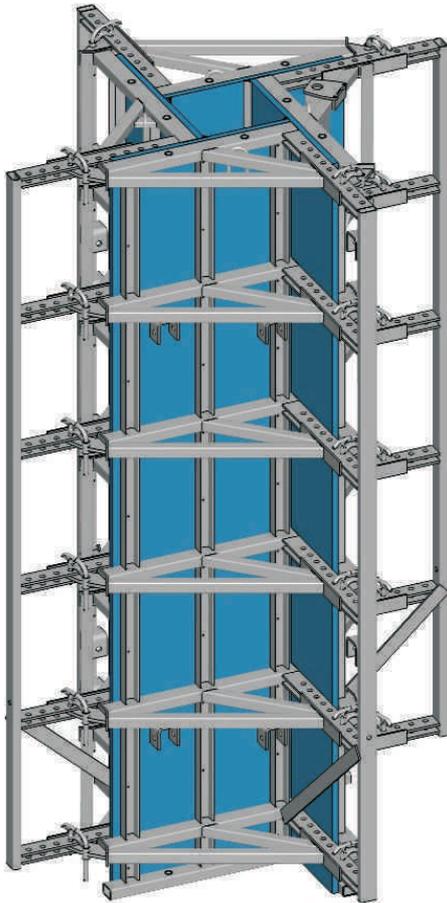
Push-pull props can be fixed to a concrete surface with, for example, Ischebeck Ø16 x 130 concrete bolts.

Example: For a formwork height of 540 cm (2 x 270 cm), the additional push-pull props must extend to at least 540 cm.

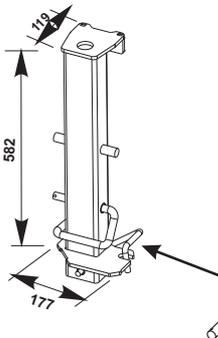




**PAX HD concreting platform**



PAX HD guardrail, wide, galvanised  
PAX HD guardrail, narrow, galvanised



**PAX HD 60 adaptor**  
for concreting platform,  
with retaining hook



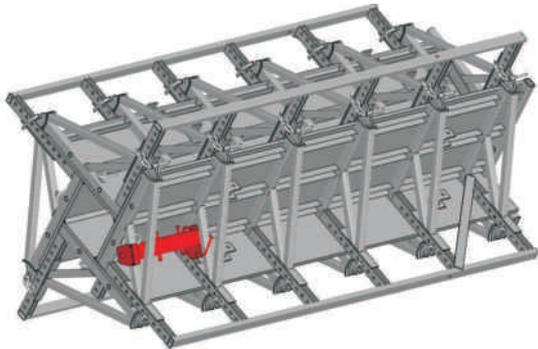
**PAX HD 120 adaptor**  
for concreting platform



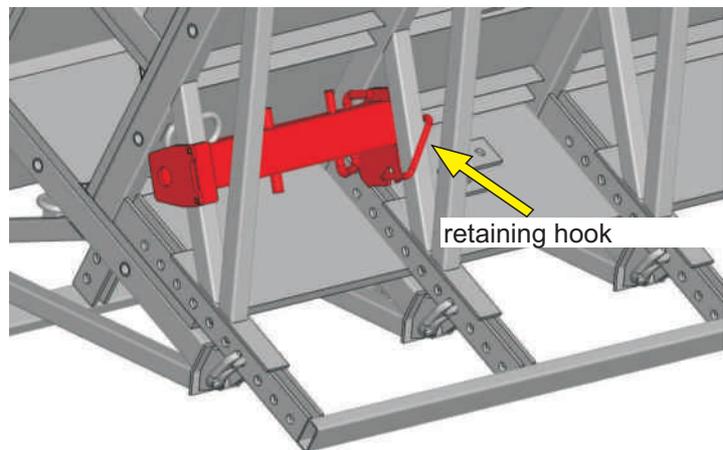
**PAX HD R-clip**

### Attaching adaptor for concreting platform

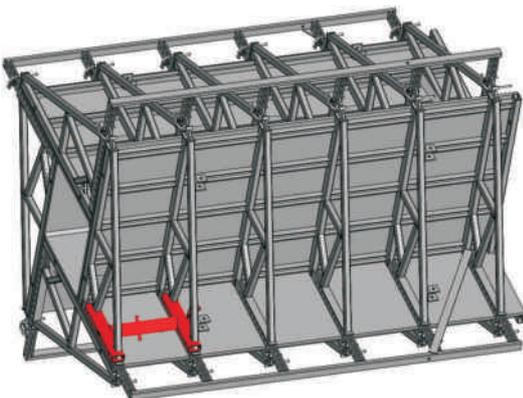
#### Attaching PAX HD 60 adaptor with formwork horizontal



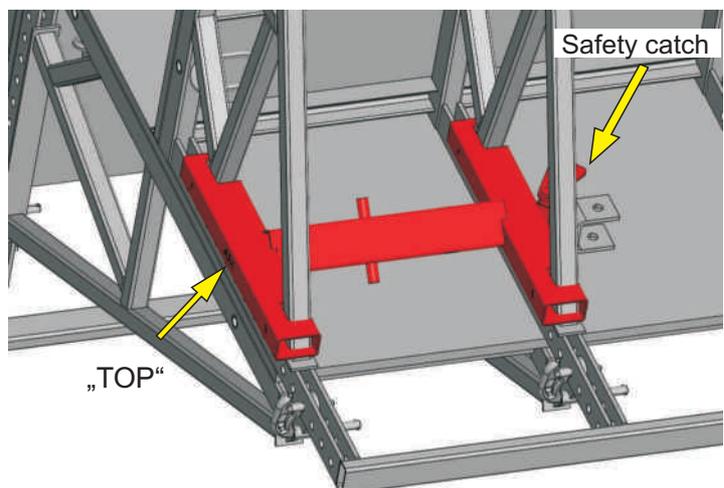
- Attach the PAX HD 60 concreting platform adaptor to a horizontal brace on any wing of the PAX HD column formwork.
- Secure the adaptor with the retaining hook, which is fitted around the brace and slipped into the cut-out in the adaptor.



#### Attaching PAX HD 120 adaptor with formwork horizontal



- Attach the adaptor as shown with the "TOP" mark facing upwards
- Close the safety catch after fitting the adaptor



## Attaching concreting platform to PAX HD column formwork

The PAX HD concreting platform can be fitted to the PAX HD 60, PAX HD 120 and PAX HD Kombi column formwork.

The platform consists of a galvanised steel frame and a chequer plate floor. The guardrails (four pieces in total – two narrow for the ladder and concreting sides and two wide for the other sides) are inserted into the pockets in the steel frame and secured with R-clips.

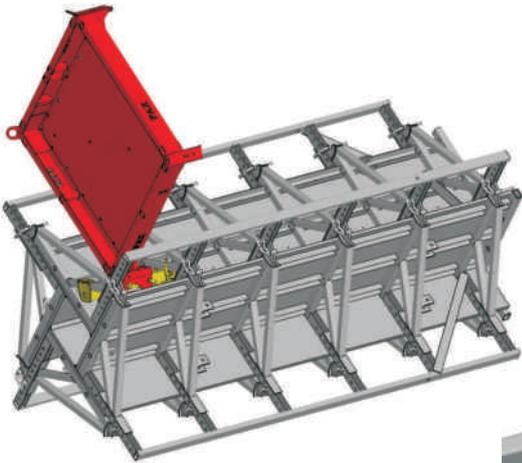
The assembly is described below for the PAX HD 60 formwork, but the principles are identical for all column formwork types.

The platform is hooked on the PAX HD concreting platform adaptor. The adaptor for the concreting platform is normally attached to the topmost brace, but can also be attached at a lower level. To protect against overturning, it is essential to attach push-pull props to PAX HD column formwork fitted with a concreting platform.

Procedure for attaching concreting platform:

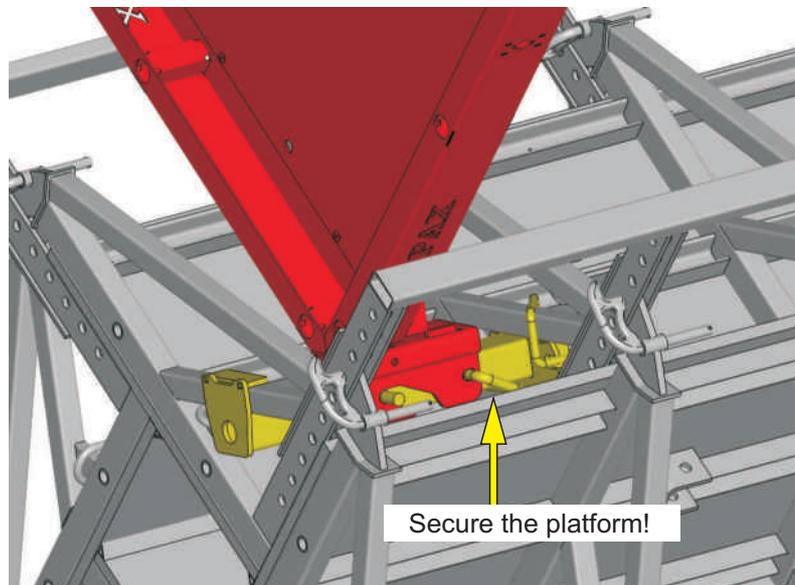
- Attach platform to crane sling.
- Slip fixing hook of concreting platform over adaptor.
- Insert second retaining hook into and around adaptor so that the concreting platform cannot be unhooked accidentally.
- Detach crane sling.
- Insert guardrails and secure with R-clips.

Up to four concreting platforms can be attached to one level of the column formwork. The concreting platform can remain attached when relocating the formwork. If for some reason it is not possible to fit guardrails on all sides of the concreting platform, it is still essential to comply with all general safety requirements.



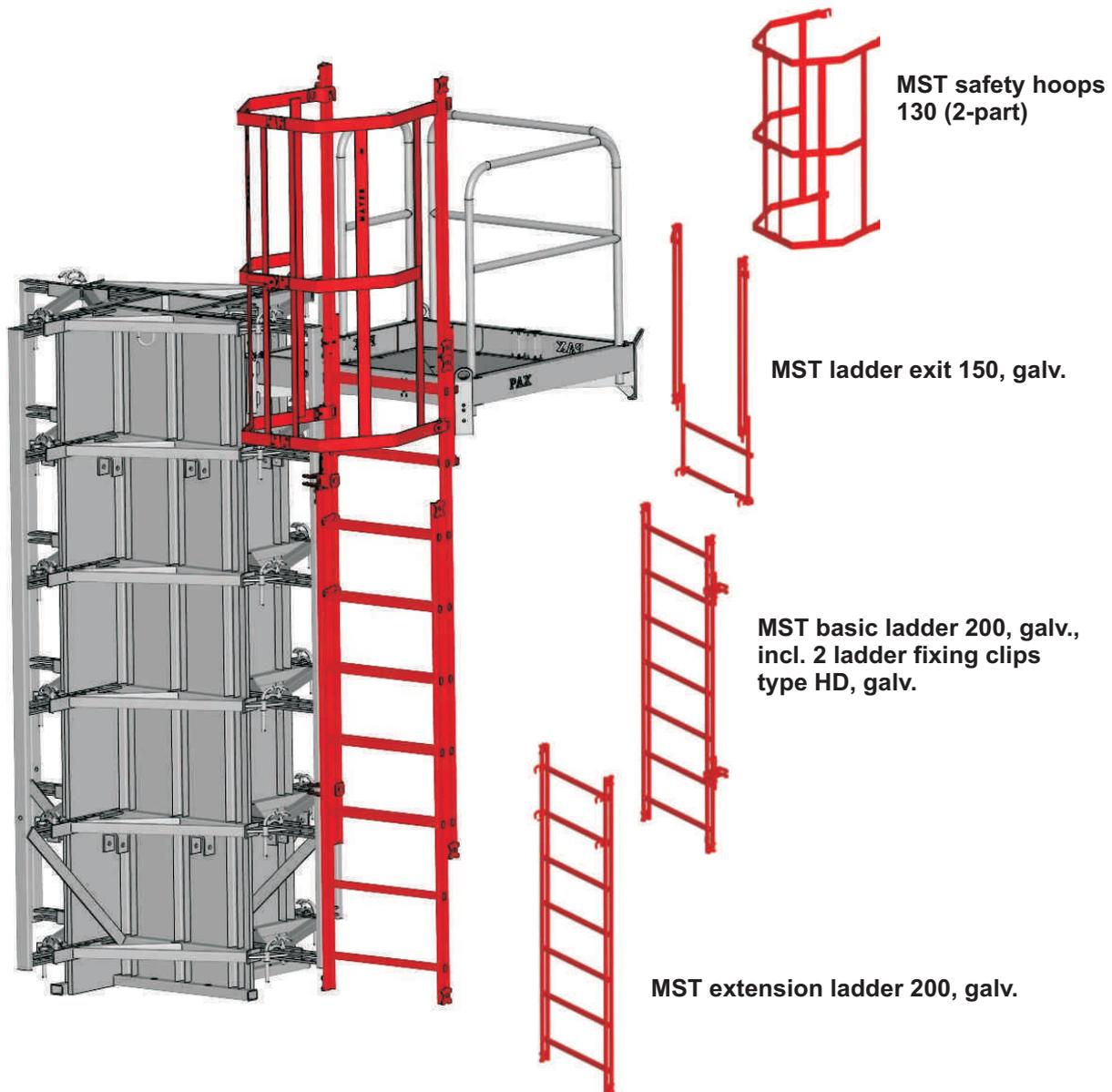
The platform can carry a load of **max. 200 kg**.

Hooking concreting platform in place and fixing to adaptor





## Attaching MST ladder 200 with safety hoops



## Mayer Schaltechnik occupational safety

The Mayer column formwork access ladder is the only system **with no loose parts** but at the same time an **optimised transport volume**. The distinctive feature of the system is the small number of separate parts.

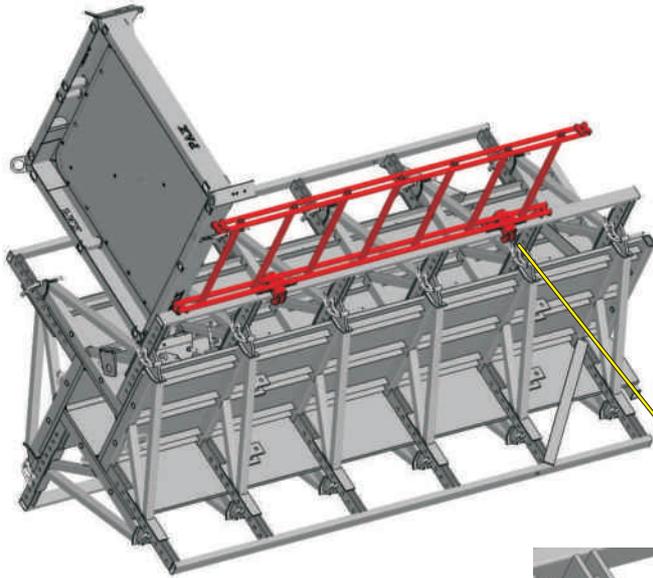
The ladder system is based on a universal design that fits diverse formwork types.

The following applications are possible:

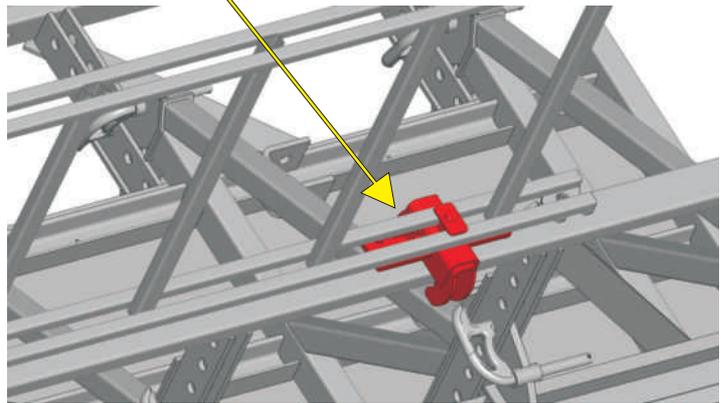
- Soldier wall formwork
- Wall panel formwork
- Column formwork
- Falsework

Bespoke adaptors can be used to attach the ladder to the formwork of other manufacturers.

### Attaching MST basic ladder 200



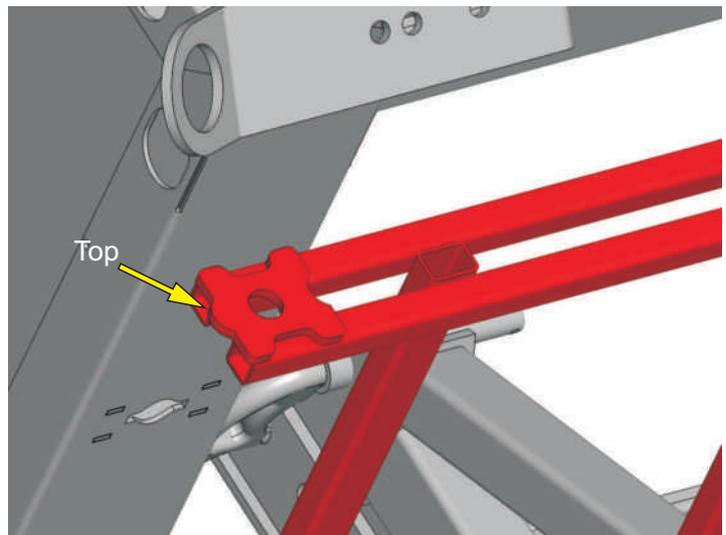
Ladder fixing clip



Detail: ladder fixing clip

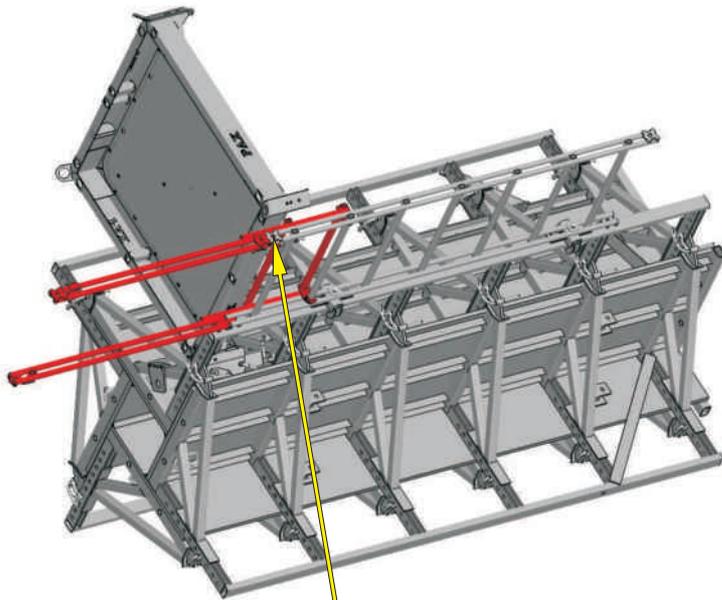
Clamp the ladder to the outer frame section of the PAX column formwork with the integral fixing clips. The topmost rung should be level with the concreting platform.

**Note:**  
Do not grease/oil the  
ladder fixing clips.



Detail: top of basic ladder 200

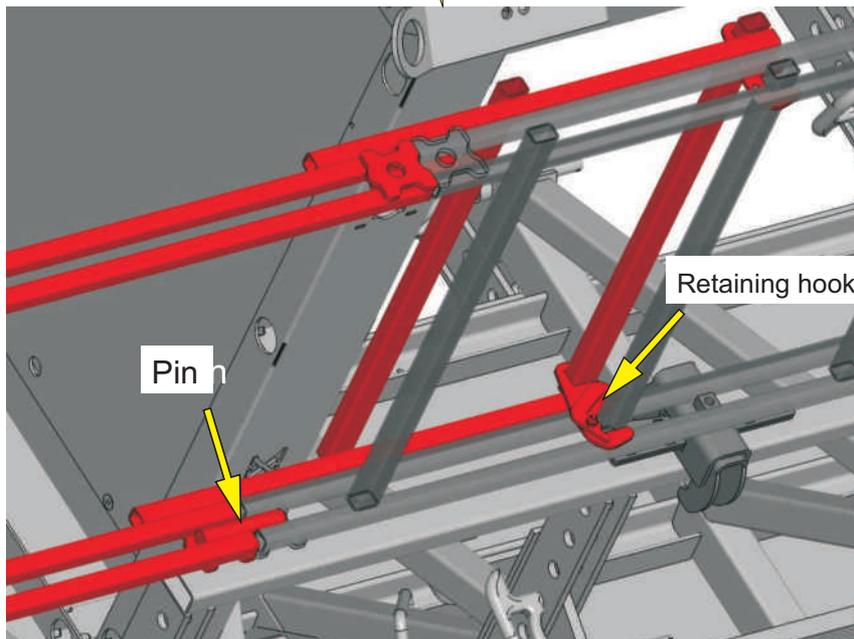
### Attaching the ladder exit



Detail

Fit the ladder exit between the platform and the ladder. Insert the pins of the ladder exit between the stringers of the ladder. Close the integral retaining hooks to ensure that the latter exit does not become accidentally detached.

Detail: attaching the ladder exit



### MST safety hoops 130 (2-part)



Join the two parts together on a flat surface.

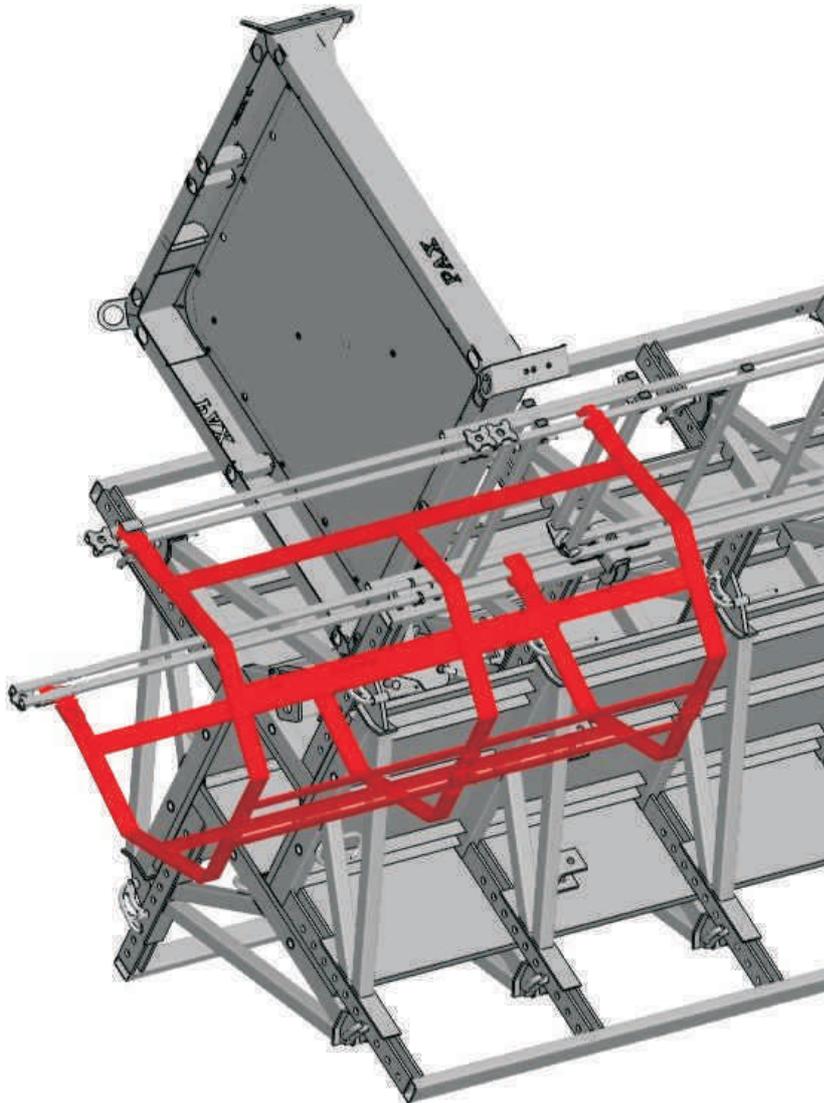
Fold the safety hoops together and secure with the safety catch.

### Logistics benefits

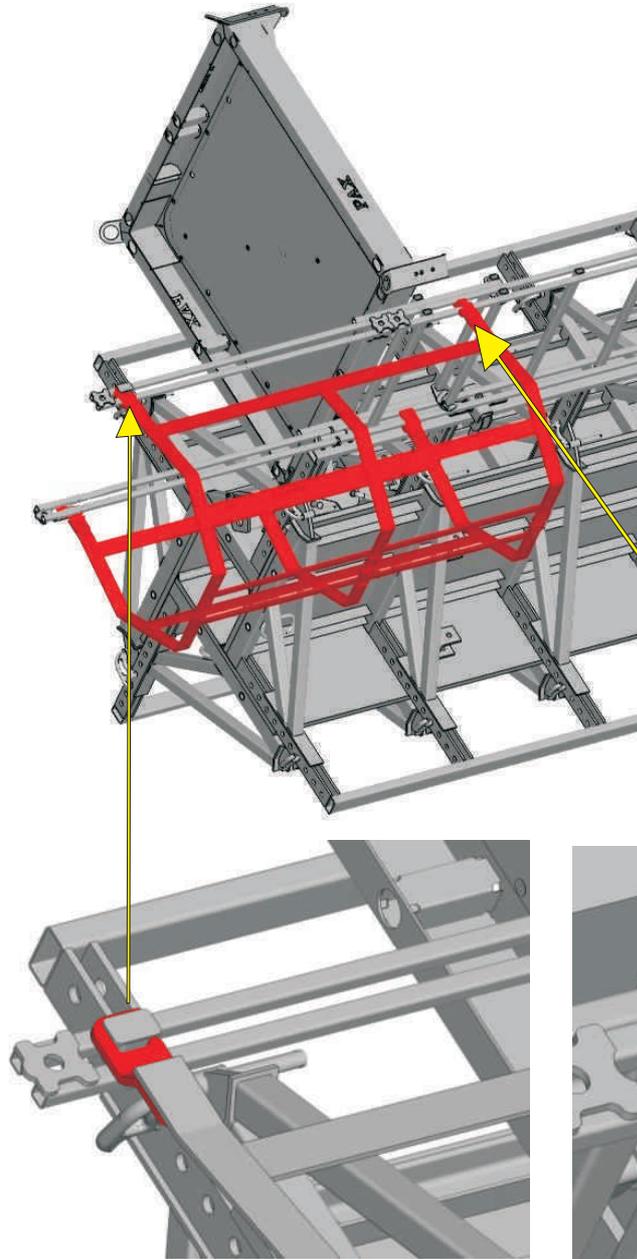


As the safety hoops are supplied in two parts, they save space when being transported.

### Attaching MST safety hoops 130

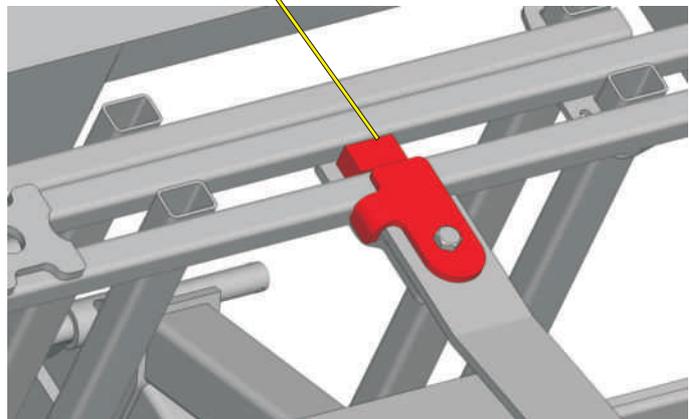


### Attaching MST safety hoops 130

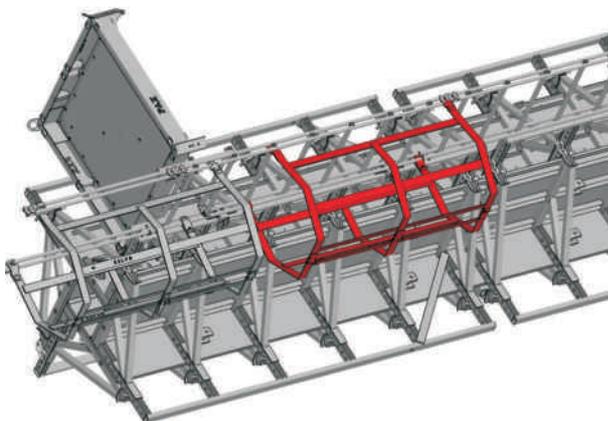


After assembling the two parts of the safety hoops, hook them on the top of the ladder exit. Then fix the safety hoops between the stringers of the ladder and secure them. For greater heights, attach further safety hoops as necessary. Hook these over a rung. Full safety hoops must be fitted to ladders providing access to platforms at working heights of 3 m or higher.

Detail: hooking safety hoops on ladder exit



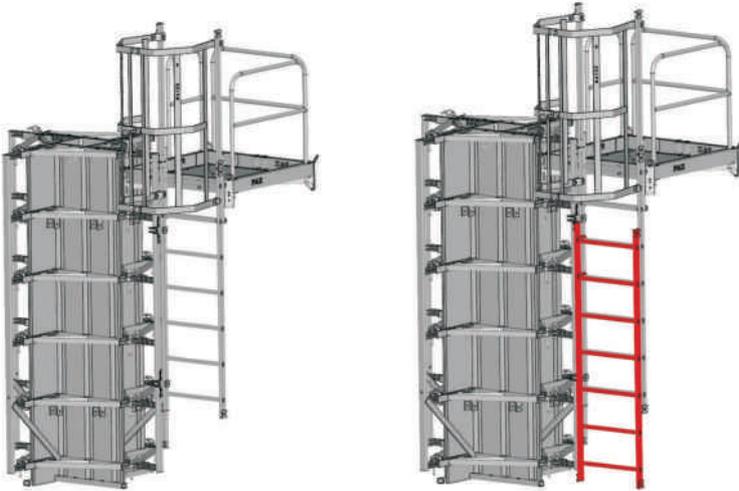
Detail: lower fixing



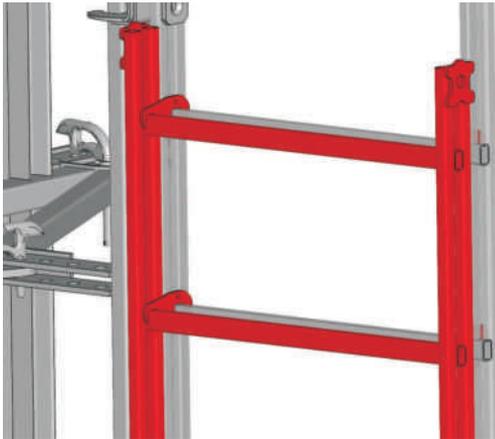
Attaching further safety hoops

## Attaching MST extension ladder 200

If necessary, attach an extension ladder once the PAX column formwork is vertical.



The formwork can be set up vertically with a crane. If the distance between the lowest rung and the ground/floor is too large, hook the MST extension ladder 200 on the basic ladder.



Detail: hooking extension ladder on basic ladder

## Number of ladder parts required depending on formwork height

Table for determining MST access ladder parts for PAX HD

Formwork height (without extension panel)		270	320	340	390	440	460	510	540	560	590	610	640	660
<b>Part No.</b>	<b>Designation</b>													
<b>Access ladder</b>														
2000000	MST basic ladder 200, galv. incl. 2 ladder fixing clips type HD, galv.	1	1	1	1	2	2	2	2	2	2	3	3	3
2000020	MST ladder exit 150, galv.	1	1	1	1	1	1	1	1	1	1	1	1	1
2000010	MST extension ladder 200, galv.	1	1	1	1	-	-	1	1	1	1	-	-	-
2000030	MST safety hoops 130 (2-part), galv.	1	1	1	2	2	2	3	3	3	3	3	3	3
<b>Concreting platform PAX</b>														
5010500	PAX concreting platform, galv.							1						
5010510	PAX guardrail, wide, galv.							2						
5010511	PAX guardrail, narrow, galv.							2						
<b>Adaptor for concreting platform PAX</b>														
5010505	Adaptor for concreting platform, galv. type HD 60							1						
5010507	Adaptor for concreting platform, galv. type HD 120							1						

## Concreting with the PAX HD column formwork

### PAX HD 60

The PAX HD 60 column formwork is designed for a fresh concrete pressure of 120 kN/m<sup>2</sup>. What this means in practice is that concreting can take place without restrictions up to a height of 480 cm. Beyond that height, it is necessary to consider the permissible rate of placing the concrete.

### PAX HD 120

The PAX HD 120 column formwork is designed for a fresh concrete pressure of 80 kN/m<sup>2</sup>. What this means in practice is that concreting can take place without restrictions up to a height of 310 cm. Beyond that height, it is necessary to consider the permissible rate of placing the concrete.

The concrete pressure figures for PAX HD 60 and PAX HD 120 are both based on a square column cross-section. For other cross-sections, please contact us.

## Cleaning the PAX HD column formwork

Clean the PAX HD column formwork with the formwork upright and open.

Secure the formwork by suspending it from a crane with a four-leg sling or with push-pull props to prevent overturning.

Clean the formwork lining with a broom.

To ease striking and to protect the formwork, apply release agent prior to every use. When doing this, make sure that the formwork lining has a plastic facing and therefore cannot absorb the release agent.

## Transporting PAX HD

PAX HD column formwork is normally transported horizontally to and from the building site. Always transport the formwork as a complete unit, i.e. with all four wings assembled. PAX HD 60 column units can be easily stacked for transport – two units side by side, two units on top of each other.



### Product features

- ▲ High concrete pressures  
up to 120 kN/m<sup>2</sup> for PAX HD 60  
up to 80 kN/m<sup>2</sup> for PAX HD 120
- ▲ Patented folding mechanism
- ▲ Column cross-sections  
from 20 cm to 120 cm
- ▲ Plastic-faced formwork lining  
with aluminium edge protectors
- ▲ Element sizes  
320 / 270 / 120 / 70 and extension panel
- ▲ No loose fittings

### Your benefits

- ▲ High concreting rates
- ▲ Good (fair-face) concrete finishes
- ▲ Relocated in one operation  
with a crane or on wheels
- ▲ Variable column cross-sections  
without changing formwork lining
- ▲ Consistent concrete finish  
even with many reuses
- ▲ Infinite height adjustment
- ▲ Simple handling
- ▲ Logistics benefits

## Striking the PAX column formwork

The PAX HD clamping tool is required for this.

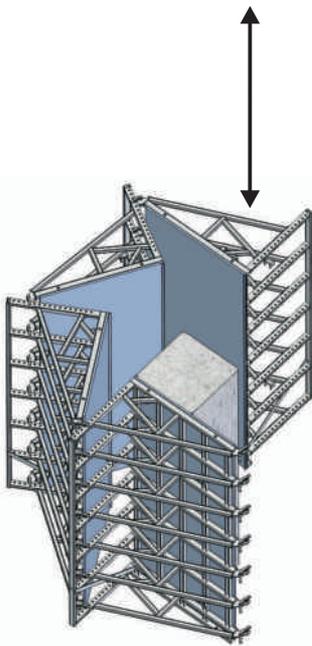
The procedure is identical for all PAX HD 60, PAX HD 120 and PAX HD Kombi units.

### Striking procedure

- Choose the row of fixing hooks best suited to site operations. Any row can be chosen.
- Only one vertical row of fixing hooks has to be released.
- Make sure the formwork cannot overturn! If necessary, secure the formwork by suspending it from a crane using a four-leg sling.
- Props, additional push-pull props and the concreting platform can all remain attached to the column formwork.
- Attach the PAX HD clamping tool to the uppermost perforated yoke with its integral fixing hook such that the lug of the tool engages with the fixing hook on the column formwork. Tighten the clamping tool until the fixing hook on the formwork can be easily removed from the perforated yoke.
- Repeat this procedure downwards until the formwork can be opened completely.
- Manually open the formwork.
- Begin by folding back the wing with the opened row of holes, then fold back the formwork in an anticlockwise direction so that the triangular fillet is not damaged.
- Once the formwork is clear of the concrete, it can be lifted by crane and relocated.

Always comply with all relevant safety regulations during this procedure!

Always remove this wing from the concrete column first. Fold back in an anticlockwise direction.



## Relocating the PAX HD column formwork

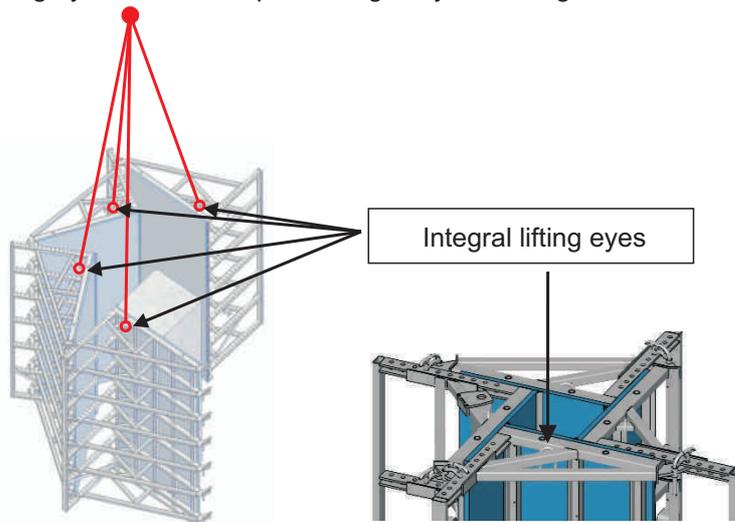
### Relocating with a crane

- Attach the column formwork to the crane using a four-leg sling.
- **Caution!** Only lift and relocate the complete, opened unit after moving the formwork clear of the concrete column.
- All parts must be secured before lifting.
- **Caution!** Maximum load per lifting eye is 15 kN (1500 kg).

### Please note:

When using a crane to erect PAX HD 60 and PAX HD 120 elements assembled horizontally on the ground, the maximum permissible total height is 660 cm.

Lifting eyes must be inspected regularly according to DIN EN 1677.

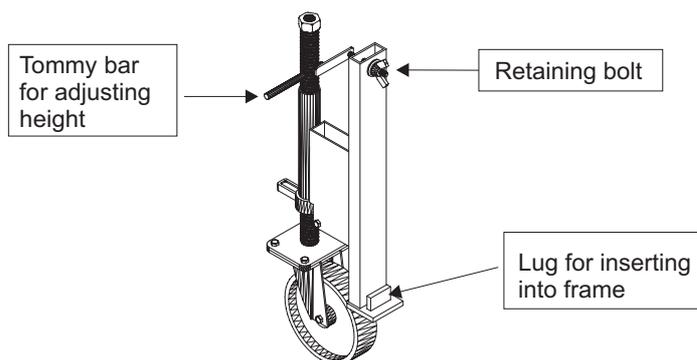


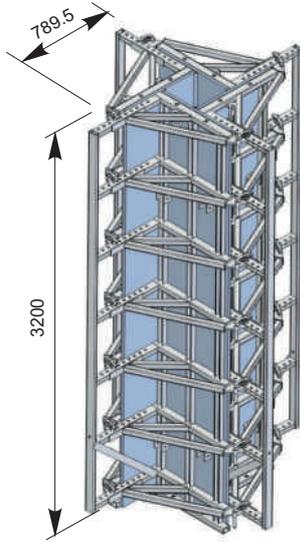
### Caution!

- Only lift the complete, opened formwork after moving it clear of the concrete column.
- Do not attach slings to the concreting platform.

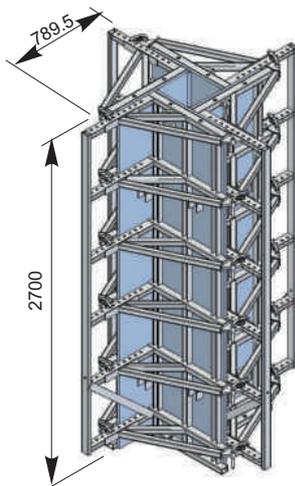
### Relocating on wheels

- The wheels are suitable for moving the PAX HD column formwork across firm, level surfaces only.
- Owing to the risk of overturning, the wheels may only be used for max. 390 cm high formwork.
- Four wheels are required for each PAX HD column formwork unit.
- PAX HD units must be closed for moving on wheels. To do this, keep the formwork closed with at least two fixing hooks.
- When moving the formwork on wheels, the formwork may be raised max. 5 cm above the ground.
- Procedure for attaching wheels to the PAX HD:
  - > Remove the retaining bolt from the wheel unit.
  - > Turn the threaded bar back so that the lug on the wheel unit can be inserted into the open end of the outermost vertical rectangular tube of the formwork.
  - > Insert the retaining bolt through the outermost vertical tube of the formwork and tighten against wheel unit.
- The PAX HD can now be raised on the wheels. All four wheels must be raised or lowered equally to prevent any uneven loading.
- If PAX HD column formwork fitted with wheels is relocated by crane, **the wheels must be fully raised so that they are not damaged when setting the unit down.**

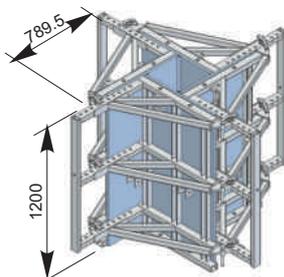




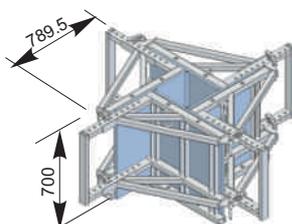
ArtikelNr./ Part No.: 5010000  
**PAX HD Stützenschalung 60 H=320, verzinkt, KS Kunststoffschalhaut**  
 PAX HD column formwork 60 H=320, galv., with lining  
 Gewicht/ Weight: 708,00 kg



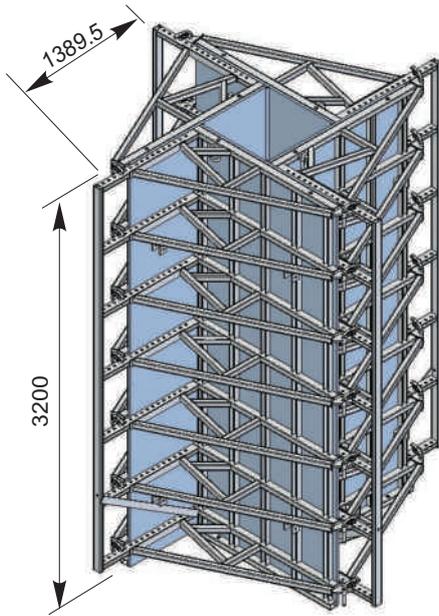
ArtikelNr./ Part No.: 5010010  
**PAX HD Stützenschalung 60 H=270, verzinkt, KS Kunststoffschalhaut**  
 PAX HD column formwork 60 H=270, galv., with lining,  
 Gewicht/ Weight: 608,00 kg



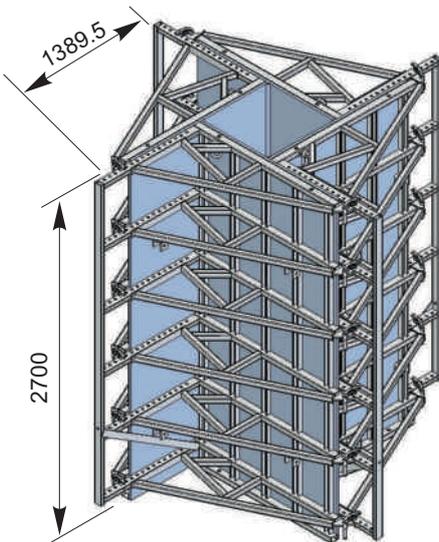
ArtikelNr./ Part No.: 5010020  
**PAX HD Stützenschalung 60 H=120, verzinkt, KS Kunststoffschalhaut**  
 PAX HD column formwork 60 H=120, galv., with lining,  
 Gewicht/ Weight: 300,00 kg



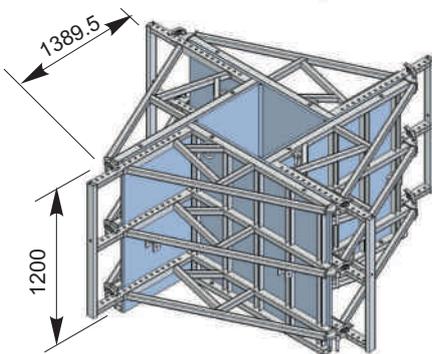
ArtikelNr./ Part No.: 5010030  
**PAX HD Stützenschalung 60 H=70, verzinkt, KS Kunststoffschalhaut**  
 PAX HD column formwork 60 H=70, galv., with lining,  
 Gewicht/ Weight: 189,00 kg



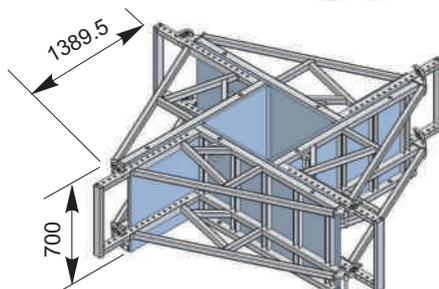
Artikelnr./ Part No.: 5010200  
**PAX HD Stützenschalung 120 H=320, verzinkt,  
 KS Kunststoffschalhaut**  
 PAX HD column formwork 120 H=320, galv.,  
 with lining,  
 Gewicht/ Weight: 1260,00 kg



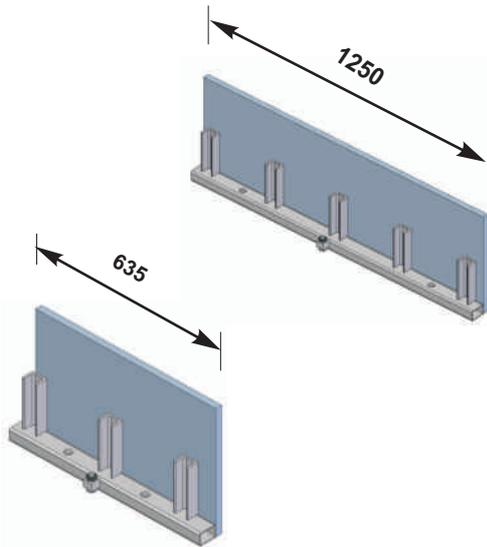
Artikelnr./ Part No.: 5010210  
**PAX HD Stützenschalung 120 H=270, verzinkt,  
 KS Kunststoffschalhaut**  
 PAX HD column formwork 120 H=270, galv.,  
 with lining,  
 Gewicht/ Weight: 1076,00 kg



Artikelnr./ Part No.: 5010220  
**PAX HD Stützenschalung 120 H=120, verzinkt,  
 KS Kunststoffschalhaut**  
 PAX HD column formwork 120 H=120, galv.,  
 with lining,  
 Gewicht/ Weight: 530,00 kg

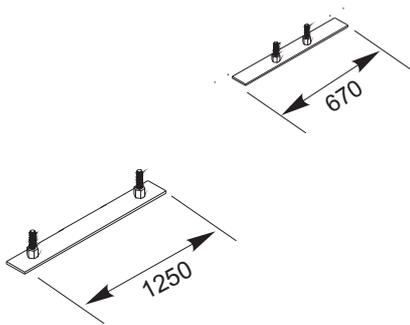


Artikelnr./ Part No.: 5010230  
**PAX HD Stützenschalung 120 H=70, verzinkt,  
 KS Kunststoffschalhaut**  
 PAX HD column formwork 120 H=70, galv.,  
 with lining,  
 Gewicht/ Weight: 334,00 kg



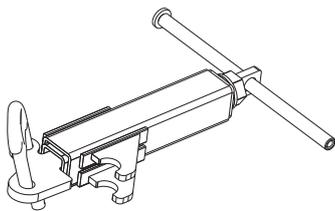
Artikelnr./ Part No.: 5010240 (Satz/set)  
**PAX HD Aufstockwinkel 120 H= 40, verzinkt**  
**KS Kunststoffschalhaut**  
**incl. PAX HD Aufstockschrauben vz.**  
**VE: 4 St. = 1 Satz/Set**  
 PAX HD extension panel 120 H= 40, galv.  
 with lining  
 Gewicht/ Weight: 56,40 kg

Artikelnr./ Part No.: 5010040 (Satz/set)  
**PAX HD Aufstockwinkel 60 H= 40, verzinkt**  
**KS Kunststoffschalhaut**  
**incl. PAX HD Aufstockschrauben vz.**  
**VE: 4 St. = 1 Satz/Set**  
 PAX HD extension panel 60 H= 20-40, galv.  
 with lining  
 Gewicht/ Weight: 30,50 kg

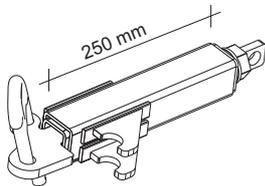


Artikelnr./ Part No.: 5010410  
**PAX HD Bodenblech 60 verzinkt mit Muttern**  
**VE: 1 St.**  
 PAX HD base plate 60 galv.  
 Gewicht/ Weight: 3,60 kg

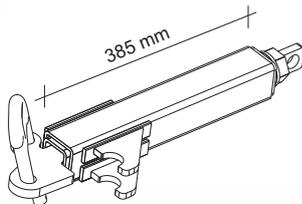
Artikelnr./ Part No.: 5010430  
**PAX HD Bodenblech 120 verzinkt mit Muttern**  
**VE: 1 St.**  
 PAX HD base plate 120 galv.  
 Gewicht/ Weight: 6,40 kg



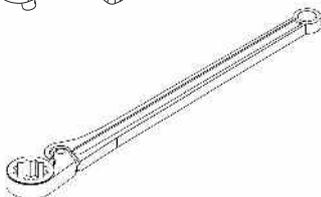
Artikelnr./ Part No: 5010405  
**PAX HD Bedienzwinge mit Knebel 43 cm**  
 PAX HD clamping tool  
 Gewicht/ Weight: 5,40 kg



Artikelnr./ Part No: 5010400  
**PAX HD Bedienzwinge SW 36**  
 PAX HD clamping tool AF 36  
 Gewicht/ Weight: 5,00 kg



Artikelnr./ Part No: 5010408  
**PAX HD 120 Bedienzwinge lang SW 36, L=55 cm**  
 PAX HD 120 clamping tool long AF 36  
 Gewicht/ Weight: 7,00 kg



Artikelnr./ Part No: 5010409  
**PAX - Durchlaufratsche SW 36, L=50 cm**  
 PAX - ratchet spanner AF 36  
 Gewicht/ Weight: 1,30 kg



Artikelnr./ Part No.: 5300187

**MST-Richtkonsole Gr. 1 + 4 ohne Pistolenstecker**

MST-push-pull prop 1 + 4, without pin handles  
Gewicht/ Weight: 31,00 kg

Artikelnr./ Part No.: 5300190

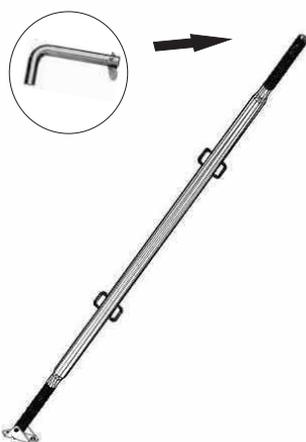
**Pistolenstecker für RS/ RSK**

pistol pin for push-pull prop, single  
Gewicht/ Weight: 0,24 kg

Artikelnr./ Part No.: 5300195

**G-Haken für Richtkonsole**

G-hook for securing push-pull props  
Gewicht/ Weight: 0,5 kg



Artikelnr./ Part No.: 5300080

**Richtstrebe RSK4 260 - 400 mit Standardgelenk**

Push-pull prop, single RSK 4 260 - 400  
with standard swivel, Gewicht/ Weight: 19,80 kg

Artikelnr./ Part No.: 5300085

**Richtstrebe RSK6 460 - 600 mit Standardgelenk**

Push pull prop, single RSK 6 460 - 600  
with standard swivel, Gewicht/ Weight: 35,00 kg

Artikelnr./ Part No.: 5300090

**Richtstrebe RSK8 620 - 760 mit Standardgelenk**

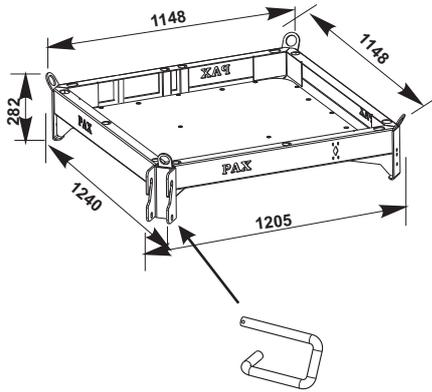
Push pull prop, single RSK 8 620 - 760  
with standard swivel, Gewicht/ Weight: 69,00 kg



Artikelnr./ Part No: 5010520

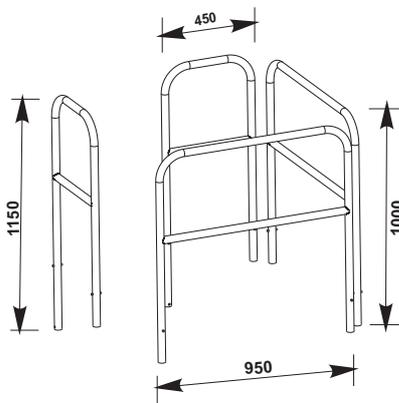
**PAX HD Rolle, bis 700 kg, 150 mm verzinkt**

PAX HD wheel, up to 700 kg, 150 mm galv.  
Gewicht/ Weight: 9,50 kg



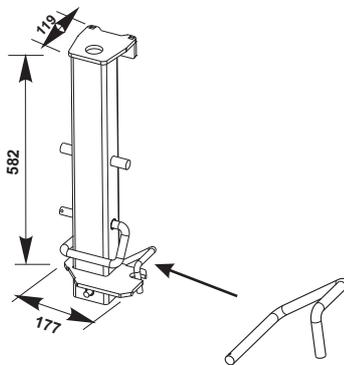
Artikelnr./ Part No.: 5010500  
**PAX HD Betonierplattform verzinkt, mit Sicherheitsbügel d=16 mm**  
 PAX HD concreting platform galv., with retaining hook D=16 mm  
 Gewicht/ Weight: 70,00 kg

Artikelnr./ Part No.: 5010610  
**PAX HD Sicherungsbügel d=16 mm für Betonierplattform vz., mit Federstecker**  
 PAX HD retaining hook D=16 mm for concreting platform galv.  
 Gewicht/ Weight: 0,70 kg



Artikelnr./ Part No.: 5010510  
**PAX HD Betoniergeländer breit verzinkt**  
 PAX HD guardrail wide, galv.  
 Gewicht/ Weight: 9,00 kg

Artikelnr./ Part No.: 5010511  
**PAX HD Betoniergeländer schmal verzinkt**  
 PAX HD guardrail narrow, galv.  
 Gewicht/ Weight: 7,00 kg



Artikelnr./ Part No.: 5010505  
**PAX HD 60 Adapter für Betonierplattform mit Sicherungsbügel d=12 mm**  
 PAX HD 60 adaptor for concreting platform with retaining hook D=12 mm  
 Gewicht/ Weight: 8,00 kg

Artikelnr./ Part No.: 5010615  
**PAX HD Sicherungsbügel d=12 mm für Adapter vz., mit Federstecker**  
 PAX HD retaining hook D=12 mm adapter galv.  
 Gewicht/ Weight: 0,40 kg

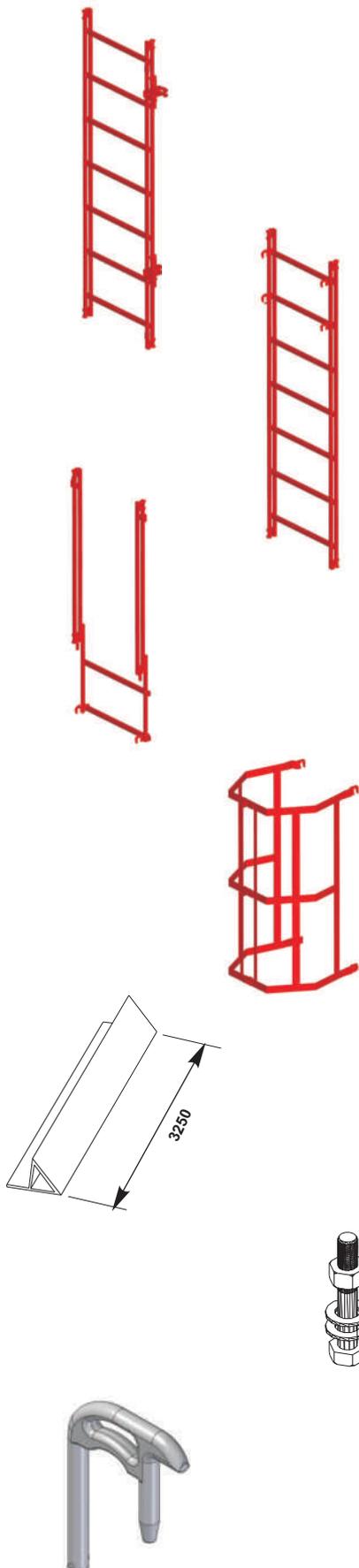
Artikelnr./ Part No.: 5000105  
**PAX HD Federstecker**  
 PAX HD R-clip  
 Gewicht/ Weight: 0,01 kg



Artikelnr./ Part No.: 5010507  
**PAX HD 120 Adapter für Betonierplattform vz. mit Sicherheitsbolzen**  
 PAX HD 120 adaptor for concreting platform with safety bolt  
 Gewicht/ Weight: 10,00 kg



Artikelnr./ Part No.: 5000720  
**PAX II 60/100 Adapter für HD-Plattfom vz. mit Sicherheitsbolzen**  
 PAX II 60/100 adaptor for concreting platform with safety bolt  
 Gewicht/ Weight: 7,80 kg



Artikelnr./ Part No.: 2000000  
**MST Basisleiter 200 vz., inkl.  
2 Leiterklammern Typ HD vz.**  
MST basic ladder 200 incl. 2 fixing clamps  
type HD galv.  
Gewicht/ Weight: 17,50 kg

Artikelnr./ Part No.: 2000010  
**MST Einhängeleiter 200 vz.**  
MST extension ladder 200 galv.  
Gewicht/ Weight: 15,00 kg

Artikelnr./ Part No.: 2000020  
**MST Leiterausstieg 150 vz.**  
MST ladder exit 150 galv.  
Gewicht/ Weight: 9,00 kg

Artikelnr./ Part No.: 2000030  
**MST Rückenschutz 130 (2-teilig) vz.**  
MST safety hoops 130 galv.  
Gewicht/ Weight: 29,00 kg

Artikelnr./ Part No.: 5010550  
**PAX Dreikantleiste 15/15/22 mm,  
L = 325 cm mit Fahne (Kunststoff)**  
PAX triangular fillet 15/15/22 mm,  
L = 325 cm (plastic)  
Gewicht/ Weight: 0,47 kg

Artikelnr./PartNo.: 5010620  
**PAX HD Aufstockschraube M 16 x 100 vz.**  
PAX HD extension bolt M 16 x 100 galv.  
Gewicht/ Weight: 0,25 kg

Artikelnr./ Part No.: 5010600  
**PAX HD Doppelbolzen, verz.**  
PAX HD captive fixing hook, galv.  
Gewicht/ Weight: 0,71 kg

## Safety information

### Information on using formwork and falsework properly and safely

The building contractor must prepare a risk assessment and erection instructions. The latter are generally not identical with the instructions for assembly and use.

### Risk assessment

The building contractor is responsible for preparing, providing documentation on, implementing and amending a risk assessment for every building site. The contractor's employees are obliged to apply the ensuing measures in accordance with legislation.

### Erection instructions

The building contractor is responsible for preparing written erection instructions. The instructions for assembly and use form one of the basic elements for preparing erection instructions.

### Instructions for assembly and use

These assembly instructions include important information for handling and using our formwork systems properly. Our formwork may only be used for the purposes for which it was intended and only by persons with sufficient knowledge who have been instructed by a specialist. The instructions for assembly and use are an integral component of the formwork design. They include safety information, details of standard arrangements and proper usage plus a description of the system and possibly further information. The functional/technical instructions (standard arrangement) in the instructions for assembly and use must be followed exactly. The applicable regulations and standards of the respective countries and regions of use must be observed at all times. Supplements, deviations or changes represent a potential risk and must be approved by Mayer Schaltechnik GmbH and might require additional structural analyses. If you have any questions, please contact the Engineering Department of Mayer Schaltechnik GmbH.

### Availability of instructions for assembly and use

The building contractor must make sure that the instructions for assembly and use provided by the formwork manufacturer or supplier are available at the place of use, that the contractor's employees are familiar with them prior to assembly and use and that the instructions are available at all times.

### Illustrations

Some illustrations in the instructions for assembly and use show erection conditions and might not be complete in terms of technical safety requirements. Any safety arrangements possibly omitted from these illustrations must nevertheless be fully available.

### Checking parts

All formwork and falsework parts must be checked for proper condition and functionality upon arrival at the building site or place of use and prior to each use. Changes to formwork parts/materials are not permitted. Defective parts may not be used and must be replaced. All formwork and falsework parts must be inspected and checked for proper functionality by a suitable person prior to use. That person must check all parts to make sure they are in a flawless condition. Damaged, deformed or weakened parts are not fit for purpose and may not be used. They must be rejected and kept separate so that they cannot be used again by mistake.

### Spare parts and repairs

Only original spare parts may be used. Repairs may only be carried out by the manufacturer or an authorised company.

### Use of other products

Mixing the formwork components of different manufacturers entails risks. Such combinations must be checked separately and might require the preparation of special instructions for assembly and use.

### Warnings, labels (ANSI Z535.4) and visual inspections

Individual warnings, labels and visual inspection requirements must be adhered to.

#### Safety symbols:

 <b>DANGER</b> DANGER indicates a hazardous situation that, if not avoided, can result in death or serious
 <b>WARNING</b> WARNING indicates a dangerous situation that, if not avoided, can result in death or serious
 <b>CAUTION</b> CAUTION is used with a warning symbol and indicates a dangerous situation that, if not avoided, can result in minor or moderate injuries.

 <b>NOTE</b> NOTE advises the user of particular features. However, it does not point out any potential risks.
--

 <b>VISUAL INSPECTION</b> VISUAL INSPECTION means that the user must carry out a visual inspection. However, it does not point out any potential risks.
---

### Miscellaneous

We reserve the right to make alterations in the course of technical developments. Compliance with the currently applicable laws, standards and other safety regulations specific to the country of use is essential in order to use the products safely. Such compliance forms one of the obligations of employers and employees with respect to occupational safety. One of the outcomes of this is the duty of the building contractor to guarantee the stability of formwork and falsework assemblies and the structure during all stages of construction. That also includes the basic assembly, disassembly and transport of formwork and falsework assemblies or parts thereof. The entire structure must be checked during and after erection.