

# MULTIPROP

Cost-effective for use both as a lightweight slab prop and shoring tower

Product Brochure – Issue 11/2017



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#### **Important notes**

Without exception, all relevant safety regulations and guidelines must be observed at all times in those countries where our products are used.

The photos shown in this brochure feature construction sites in progress. For this reason, safety and anchor details in particular cannot always be considered as conclusive or final. These are subject to the risk assessment carried out by the contractor.

In addition, computer graphics are used which are to be understood as system representations. For ensuring a better understanding, these and the

detailed illustrations shown have been partially reduced to certain aspects. The safety installations which have possibly not been shown in these detailed descriptions must nevertheless be available. The systems or items shown might not be available in every country.

Safety instructions and load specifications are to be strictly observed at all times. Changes and deviations always require separate static proof.

The information contained herein is subject to technical changes in the interests of progress. Errors and typographical mistakes reserved.

**PERI SKYDECK**



## MULTIPROP

Cost-effective for use both as a lightweight slab prop and shoring tower

**MULTIPROP Post Shores are used as individual props and – in combination with MULTIPROP frames – as shoring towers or load towers under tables. Compared with tubular steel slab props, the aluminium MULTIPROP weighs 100 kN and carries significantly higher loads whilst, at the same time, has a very low dead weight. With different frame sizes, square or rectangular shoring towers can be optimally adapted to suit individual construction site conditions. The frames also serve as platform beams and side protection for working levels.**

MULTIPROP Props are made of aluminium and are therefore extremely light. The low weight is a crucial factor in handling. With an extension length from 1.95 m to 3.50 m, the MP 350 covers 90% of standard operations in building construction. Weighing only 19.40 kg, the MP 350 can easily be set up and installed by one person, also when fully extended.

In addition, cleverly devised details such as the integrated measuring tape or the self-cleaning thread provide for quick and safe working operations.

The outer tubes of the MULTIPROP Slab Props are powder coated which makes the surfaces resistant to concrete adhesion. A long service life is ensured through the materials used as well as the design.

### High load-bearing capacity

Fewer individual props per m<sup>2</sup> through permissible leg loads of up to 100 kN (according to type test)

### Well thought-out details

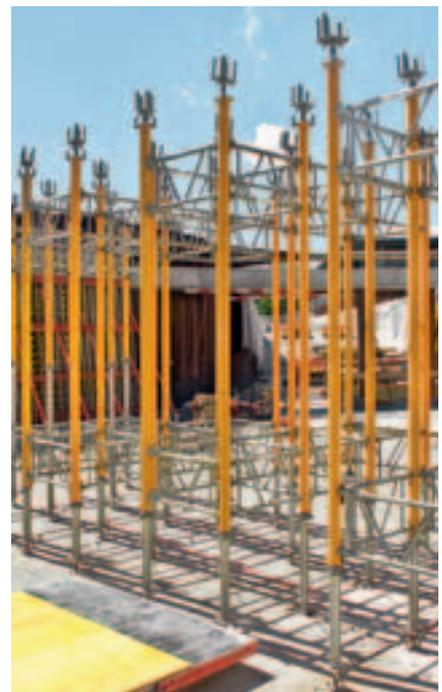
With self-cleaning thread, trendsetting Adjusting Nut and continuous adjustability

### Time-saving length adjustment

The integrated measuring tape on the inner tube shows the complete length of the prop

### Practical wedge connection

Multifunctional MRK Frame without any time-consuming bolted connections

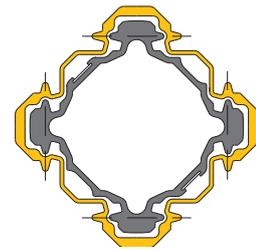


## High load-bearing capacity

Fewer individual props per m<sup>2</sup> through high leg loads



In drop tests on a transversely positioned steel tube, an extended MULTIPROP Prop remains completely undamaged – in contrast to, e.g. tubular steel props.

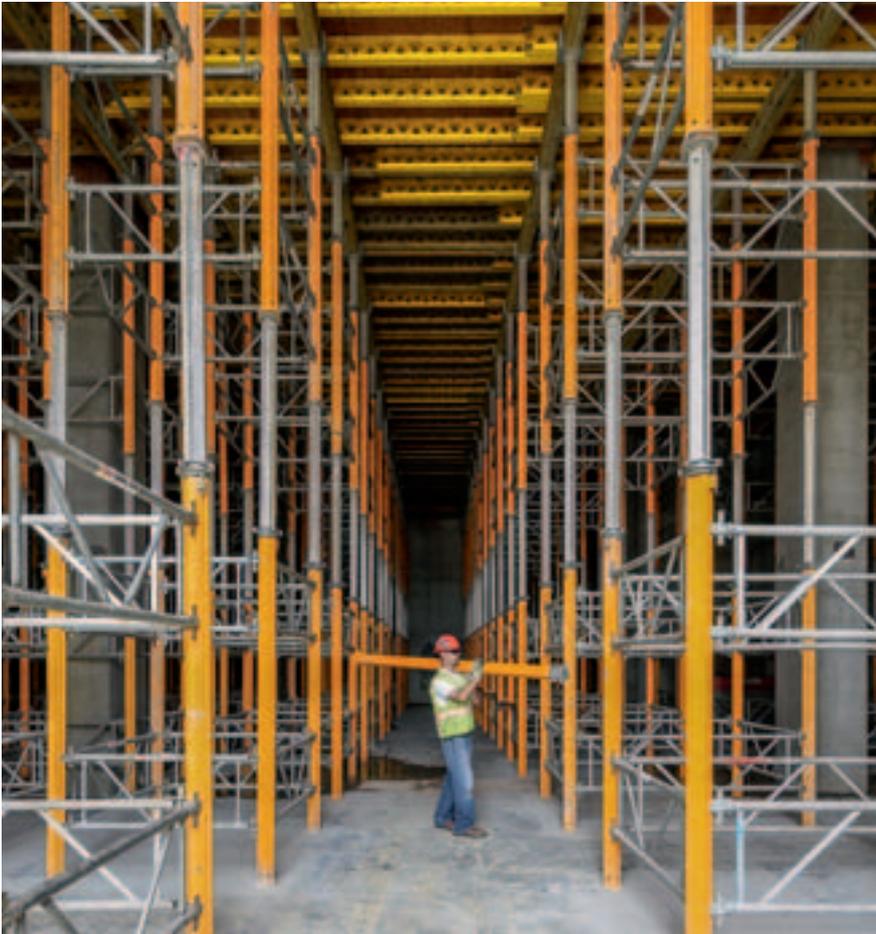


Corresponding axes in the profiles allow the frame to be connected to both the inner and outer tubes while maintaining the same prop grid arrangement.

**MULTIPROP is lightweight and, at the same time, has a very high load-bearing capacity. The props carry leg loads up to 100 kN (according to type test).**

The design of the MULTIPROP prop serves as an example for optimized material utilization. The carefully thought-out form provides the MULTIPROP prop with a high load-bearing capacity and offers the best connection possibilities for accessories. In addition, the cleverly devised aluminium alloy profile elastically absorbs all impacts. As a result, the profile remains undamaged even if the prop, for example, falls over.

	Length	Weight	Max. load-bearing capacity
<b>MP 120</b>	0.80 m – 1.20 m	10.20 kg	up to 102.0 kN
<b>MP 250</b>	1.45 m – 2.50 m	15.40 kg	up to 99.3 kN
<b>MP 350</b>	1.95 m – 3.50 m	19.40 kg	up to 96.0 kN
<b>MP 480</b>	2.60 m – 4.80 m	24.80 kg	up to 94.0 kN
<b>MP 625</b>	4.30 m – 6.25 m	34.60 kg	up to 57.9 kN



Reducing the number of props is an essential step in order to minimize the cost values for the forming of slabs. MULTIPROP Props make a significant contribution with their high load-bearing capacities.

Furthermore, fewer slab props also ensure more free movement under the slab formwork. This facilitates in particular the transverse transportation of materials.



As an individual prop, the MULTIPROP post shore braced with the MULTIPROP Frames MRK carries a load of up to 100 kN per leg. Thus, MULTIPROP is also ideal for the re-shoring of slabs.



When used with SKYDECK Slab Formwork – shown here after a successful early striking – only 1 MULTIPROP Prop per 3.45 m<sup>2</sup> of slab area is required for a slab thickness up to 43 cm.



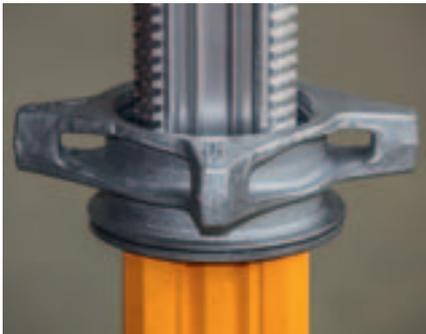
Particularly during refurbishment projects or modification work, MULTIPROP Slab Props allow working without a crane. They are easily transported and positioned by hand.

## Well thought-out details

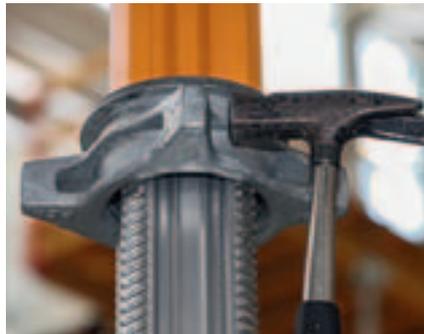
### Self-cleaning thread and continuous adjustability

**Cleverly developed detailed solutions for a very long service life. The continuous multiple thread of the MULTIPROP is self-cleaning and the free running collar does not jam even when the thread is dirty.**

The free running collar makes adjustments very simple. One turn of the free running collar equals an adjustment distance of 36 mm – and thus 3 times more than for conventional slab props. The prop itself can still be continuously re-adjusted by means of the adjusting nut even when partially loaded up to 15 kN.



The design of the impact cam on the adjusting nut provides the direction, which is hit using a hammer in order to release the load.



Also when using the prop with the inner tube positioned below, the impact direction for releasing the adjusting nut is clearly visible.



With the Wing Nut Spanner HD, loads over 60 kN can also be reliably spindled load-free.



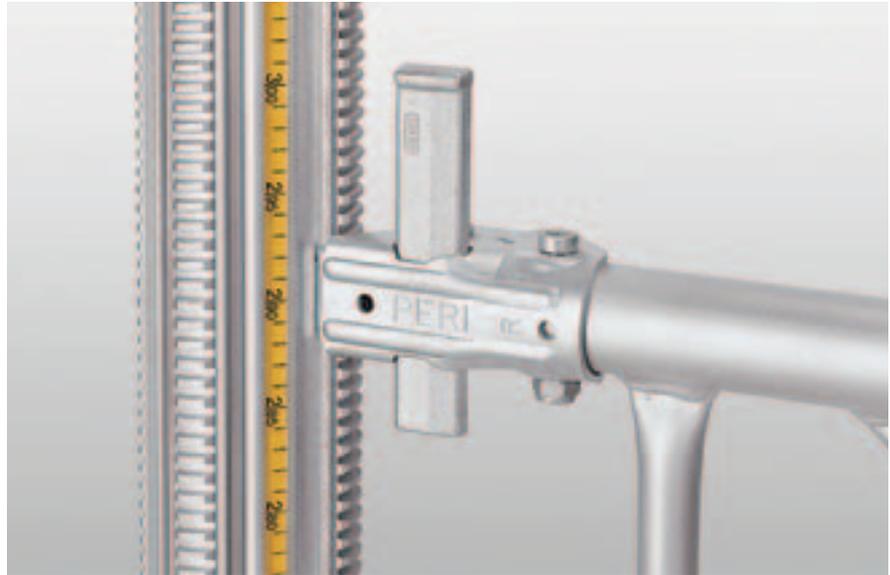
A self-cleaning thread and ECC powder coating make the MULTIPROP resistant to concrete adhesion.

## Time-saving length adjustment

With an integrated measuring tape on the inner tube

**Labour costs are a decisive factor for the economic success regarding the execution of the construction work. MULTIPROP supports fast working operations – among other things through exact height adjustments with very little time and effort.**

The integrated measuring tape on the inner tube of the MULTIPROP Prop allows precise and fast pre-adjustment of the prop without any time-consuming measuring and unnecessarily long re-adjustment procedure. This solution is self-explanatory and requires no tools.



### Safety at work

Every MULTIPROP Prop can be continuously adjusted both quickly and safely, i.e. without re-inserting any pins. An integrated stopper prevents the inner tube from being accidentally pulled beyond the maximum system length.

### Reducing costs and ensuring safety go hand in hand

The principle of the free-running collar has been compared with the pin system of conventional props in work studies.

### Result:

On average the MULTIPROP 350 can be adjusted 25% faster than the pin system. The large adjustment range of 36 mm per turn increases this effect even further.

## Practical wedge connection

Multifunctional MRK Frame without any time-consuming bolted connections



**For the erection of a shoring tower MULTIPROP Frames are connected to the MULTIPROP Props by means of the captive Wedge Coupler. The attachment of the MRK Frame is possible on both the outer as well as inner tube without having any effect on the ground plan.**

The profile of the MULTIPROP facilitates quick and easy connections of the MRK Frames. The wedge of the frame is easily secured in position with a hammer; special tools or even bolted connections are not required. MULTIPROP towers are pre-assembled preliminary flat on the ground.

The high level of cost efficiency of the MULTIPROP Shoring Towers also results from the 12 different frame sizes. These facilitate optimum site-related ground plan adjustment with high utilization of the individual components.

### **Steel MRK Frame sizes**

62.5 cm, 75 cm, 90 cm, 120 cm, 137.5 cm and 150 cm

### **Aluminium MRK Frame sizes**

201.5 cm, 225 cm, 230 cm, 237 cm, 266 cm and 296 cm



MP Shoring Towers are type-tested up to heights of 14.40 m (14.90 m with Base MP 50). Topped-up props may only be used as towers with MRK Frames as bracing.



The complete tower can be erected and moved as a complete unit with one crane lift.



MULTIPROP Shoring Towers for scaffolding a 20 m high, cantilevered structural slab.



Especially with large slab heights, MULTIPROP Shoring Towers are a cost-effective alternative to standard spatial load-bearing scaffold.

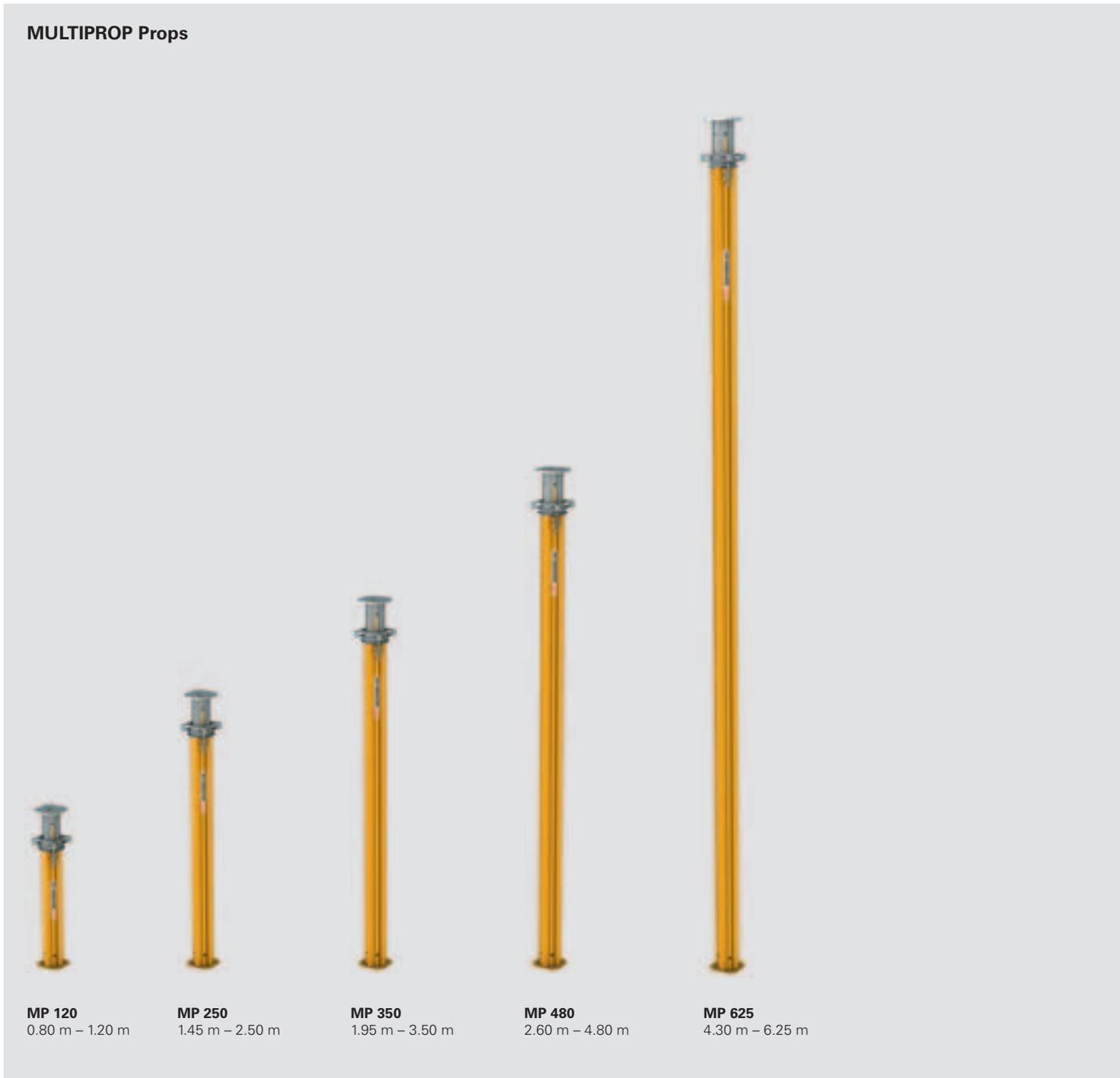


MULTIPROP Shoring Towers as sub-structures for project-specific slab tables.

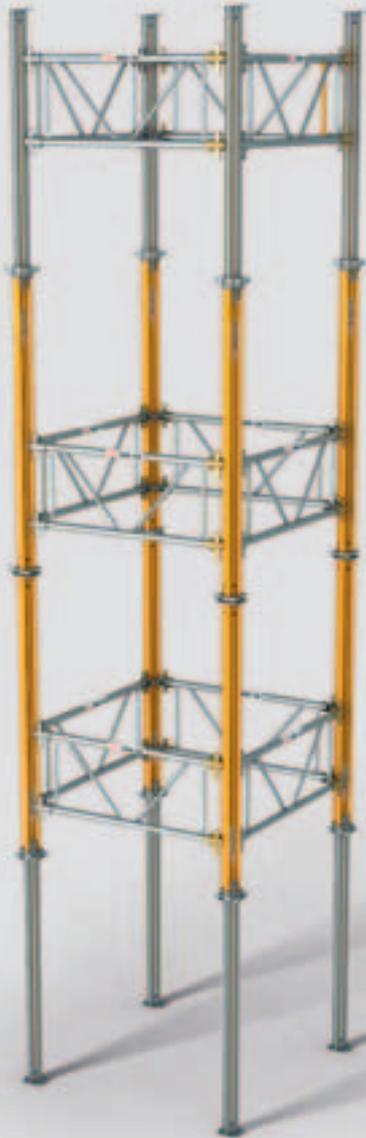


With VARIODECK Tables, the MULTIPROP Props are fixed in their designated perpendicular positions by means of MRK Frames.

# MULTIPROP at a glance



## MULTIPROP Shoring Tower



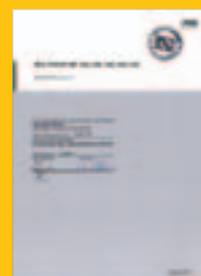
Type-tested assembly as shoring towers with Frames MRK up to heights of max. 14.40 m or 14.90 m with Base MP 50.



MULTIPROP Props MP 250, 350, 480 and 625 have general building approval from the German Institute of Building Technology in Berlin (Approval No. Z-8.312-824).



In the type test of the system, over 70 assembly variations have been tested and certified by the Bavarian State Trade Institute (LGA) regarding their stability.



MULTIPROP slab prop comply with the load requirements DIN EN 16031.

## Fast and safe working with MULTIPROP

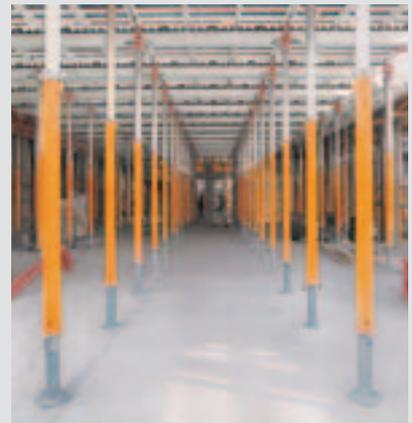
### Universal Tripod



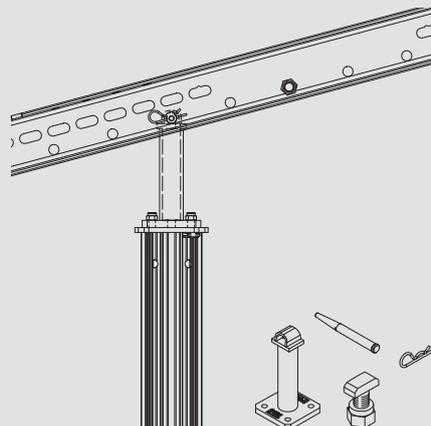
The Universal Tripod serves as a fast assembly aid and accommodates all props from Ø 48 mm to 120 mm.

### Base MP 50

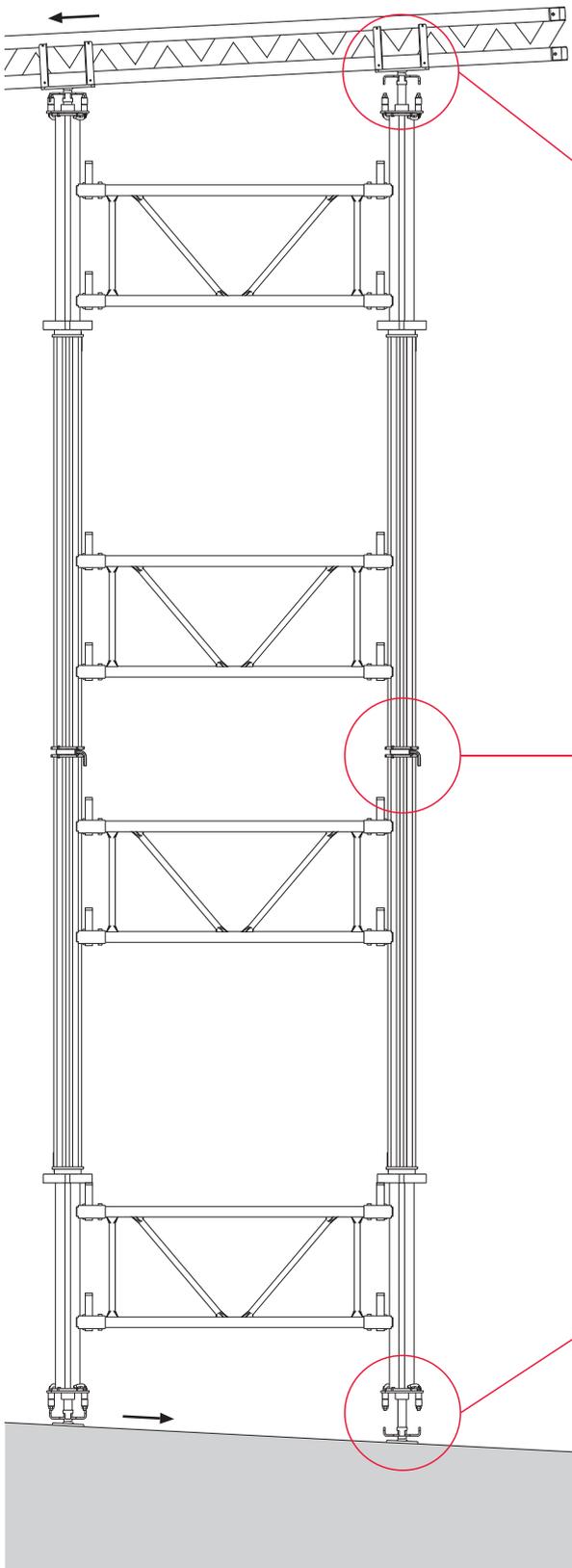
Increases prop "range of application" by 50 cm. With the clamped quick-release fastener, the Base MP 50 is mounted on the 10 mm thick end plate of the inner or outer tube with a few blows of a hammer. As a result, replacing props with longer or shorter ones when floor heights vary is often no longer required.



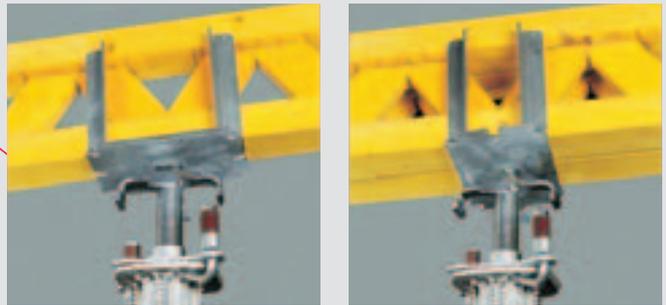
### Compression Brace Head MP/SRU



The Compression Brace Head MP/SRU is used for directly supporting SRU Main Beams. The connection of the prop and Brace Head by means of bolts and cotter pins allows any angle of inclination.

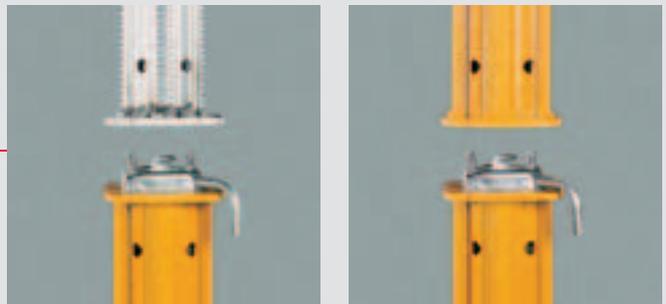


**MULTIPROP Tilting Forkhead MKK**



For stable support for single or twin GT 24 or VT 20 Girders. Tilting in any direction by 3°. For use in MULTIPROP Shoring Towers.

**MULTIPROP Connector MPV-2**



To connect 2 MULTIPROP post shores at either the outer or inner tube. For use in MULTIPROP Shoring Towers.

**MULTIPROP Tilting Base MKF**



For use on sloping support surfaces in connection with frames. Tilting in any direction by 3°. For use in MULTIPROP Shoring Towers.

# Fast and safe working with MULTIPROP

## MULTIPROP Beam MPB 24



MULTIPROP towers with aluminium MPB Beams as main beams and GT 24 as decking support. Tilting Forkheads provide secure, non-tilting support for the beams.

### Static Values

Permissible bearing load	80 kN
Permissible bending moment	15 kN
Permissible shear force*	50 kN
Bending stiffness $EI_y$	1600 kNm <sup>2</sup>

\* for end support = permissible bearing load

With the high bearing load of 80 kN, the MPB 24 is the ideal primary beam for use with highly loaded MULTIPROP Shoring Towers. The large load-bearing capacity of MULTIPROP Props ensures a reduction in the required support.

The aluminium beam with lengths of 3.00 m, 4.20 m, 4.80 m, 5.40 m and 6.00 m can also be coupled together to form longer units by means of the MPB Connector.

## Self-Locking Coupling

Various prop heads of PERI slab formwork can be very quickly and safely connected to the props with the self-locking coupling – without any time-consuming screws, bolts or wedges.

All prop heads with self-locking couplings of the PERI slab formwork systems fit to the MULTIPROP Slab Props.



## Push-Pull Prop Connection

Fast connection of push-pull props to the MULTIPROP towers for providing temporary assembly support using only locking pins and cotter pins – independent of the selected prop connections.



**MULTIPROP Decking**

Decking with lengths of 150 cm and 225 cm – with and without access hatches for ladders respectively – allow the installation of shoring with assembly levels and access by means of telescopic ladders.

The decks are designed for maximum loads of 200 kg/m<sup>2</sup>. In the process, MRK Frames not only serve as decking support for MULTIPROP Decks but also as fall protection (intermediate guardrail and handrail).



## Safer and faster transport

**With the right PERI transport containers and pallets, logistical operations are safer and faster.**

Transport of materials on construction sites and stockyards generates considerable costs. In addition, loading and unloading, moving as well as storing is not without risk for the employees.

PERI Pallets and Stacking Pallets are suitable for crane and forklift operations while clearly defined load-bearing points ensure safe transportation.

In one PERI Stacking Pallet RP 80 x 120, 25 MULTIPROP Props can be moved safely and quickly.

Through alternate positioning in the pallet, the props secure each other against slipping.



The securing hook prevents the inner tube from slipping out and must be properly engaged for correct transportation procedure.



The PERI post pallets are designed for the loading dimensions of a lorry. They can be lifted using the longitudinal as well as end sides.



For moving tables or towers, two transportation trolleys are positioned centrally on the narrow frame sides of the shoring, and lifted uniformly.

# Project examples with MULTIPROP



## Project examples with MULTIPROP



VARIOKIT and MULTIPROP system components formed the cost-effective basis for the form-shaping slab tables.



MULTIPROP Props carried the timber construction and facilitated the curved shape of the gridshell.



Inexpensive supporting structure consisting of MULTIPROP Props in combination with VARIOKIT system components.

### **Administration Building, Banco Ciudad de Buenos Aires, Argentina**

The new administration building of the Banco Ciudad de Buenos Aires is dominated by a wave-shaped, 9,000 m<sup>2</sup> roof construction. The building complex bears the signature of the London-based architect Norman Foster.

A spatially designed PERI UP Flex Scaffold Construction along with MULTIFLEX Girder Slab Formwork formed horizontal working and support levels.

Using timber formers, the precisely-shaped formwork elements – on the basis of the VARIO system – were connected to a VARIOKIT raised formwork construction and MULTIPROP Shoring Towers to form large-sized movable table units.

### **Weald & Downland Museum, West Sussex, Great Britain**

For the realization of the timber construction of this extraordinary roof support structure, the PERI scaffolding solution created optimal conditions for cost-effective and safe execution.

Over 200 MULTIPROP Props were used in a telescopic form in order to bring the “grid mat” – a network of timber profiles – into its final position and then secured in place. Due to the large adjustment range of the MULTIPROP Props, the multiple-curved shape of the gridshell was easily constructed. With PERI standard components, articulated connections on the obliquely positioned MULTIPROP Slab Props were realized.

### **Shipping and Service Centre Ganter, Furtwangen, Germany**

The 2-storey hall extension – 65 m x 32 m and 12 m high – was a major challenge. As the ongoing daily operations in the existing buildings were not allowed to be affected by the construction and demolition work in any way.

For the required enclosure of the order-picking area, PERI planned a self-supporting enclosure with system components taken from the VARIOKIT Engineering Construction Kit. The individual loads were carried by MULTIPROP Props. Wherever necessary, e.g. for supporting the pre-cast beams and slabs, the construction team used MULTIPROP Shoring Towers.



The RCS Rails of the RCS MP Landing Platform are clamped between two floor slabs by means of MULTIPROP Props.



MULTIPROP Props, used for large-sized SKYTABLE Slab Tables, facilitate faster cycles with a higher level of safety.



The PERI solution with MULTIPROP and MULTIFLEX, as well as for forming the circumferential balconies, served simultaneously as working scaffold.

### Administration Building, Sparkasse Ulm, Germany

For the construction of the two new office buildings with a total of 9 floors respectively, jobsite logistics was a great challenge due to the tight, inner-city location. The use of VARIODECK Slab tables ensured rapid construction progress for the realization of the floor slabs. A closed, 2 m high side protection on the edge tables at the north side meant that a time-consuming and elaborate roofing construction for the directly adjacent underground car park was not necessary.

The RCS MP Landing Platform was used for moving and temporary storage of the slab tables and other materials. It can be positioned at any point on the building. The platform also provides anti-slip checkered plate decking and continuous side protection on the platform through LPS Side Mesh Barriers.

### Centene Plaza, Clayton, Missouri, United States

For the construction of the 17-storey office tower in Clayton near St. Louis, 53 SKYTABLEs were used. By means of coupled truss girders, slab tables up to 24.40 m long were created. With a width of 6.10 m, approx. 150 m<sup>2</sup> could be formed with one table.

Load transfer took place via MULTIPROP Props which were mounted on the truss girders with quick lowering devices. By connecting the MULTIPROP Props with frames, the slab table was also used for larger floor heights.

### Residential and Office Building at the North Railway Station, Vienna, Austria

On the site of the former Vienna North Railway Station, around 10,000 apartments and 20,000 workplaces were realized in several stages of construction. The urban design concept for two 8-storey residential buildings with a total of 91 housing units featured well-equipped facilities including balconies and loggias, constructed using in-situ reinforced concrete.

For forming the balconies, PERI engineers selected MULTIFLEX girder slab formwork supported by MULTIPROP shoring towers. As a result, the increased architectural concrete requirements could be met and, in coordination with the site management, the cantilevered slab formwork simultaneously served as circumferential working scaffold.

Item no.	Weight kg
027288	10.100
027289	15.400
027290	19.400
027291	24.700
027305	34.500

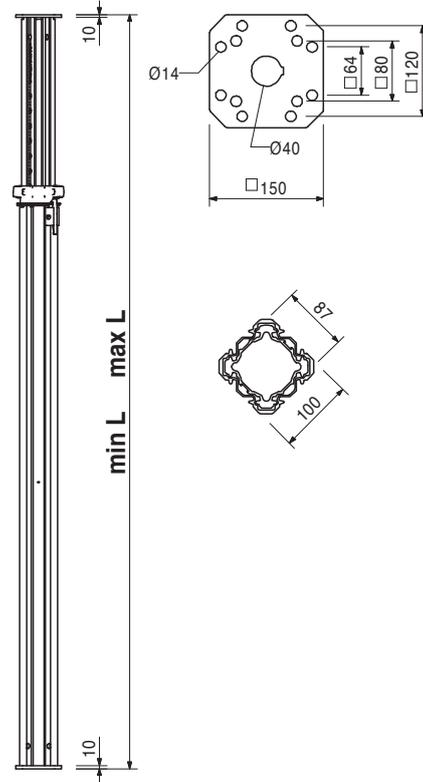
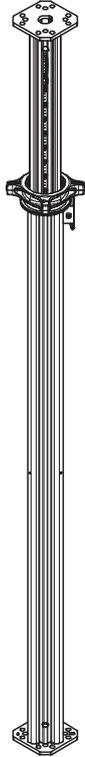
**MULTIPROP MP**  
**MULTIPROP MP 120**  
**MULTIPROP MP 250**  
**MULTIPROP MP 350**  
**MULTIPROP MP 480**  
**MULTIPROP MP 625**

Slab prop made of aluminium. Used as individual prop as well as in combination with MULTIPROP Frames MRK to form towers.

min. L	max. L
800	1200
1450	2500
1950	3500
2600	4800
4300	6250

**Technical Data**

Permissible load: see PERI Design Tables.



028390	9.860
028400	10.100
028330	11.300
028340	14.000
028380	15.400
028350	16.300

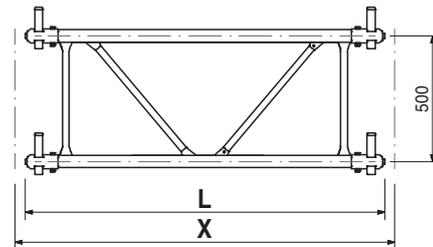
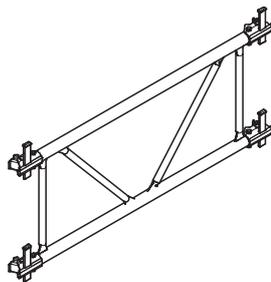
**MULTIPROP Frames MRK, Steel**  
**Frame MRK 62.5**  
**Frame MRK 75**  
**Frame MRK 90**  
**Frame MRK 120**  
**Frame MRK 137.5**  
**Frame MRK 150**

Bracing frame for MULTIPROP. For connecting to outer and inner tube. With captive wedge coupling.

L	X
545	625
670	750
820	900
1120	1200
1295	1375
1420	1500

**Note**

L = Loading Length  
X = Axis Length



# MULTIPROP Single Props and System

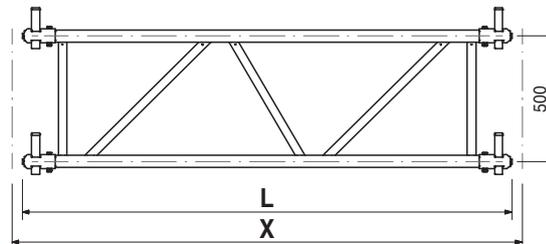
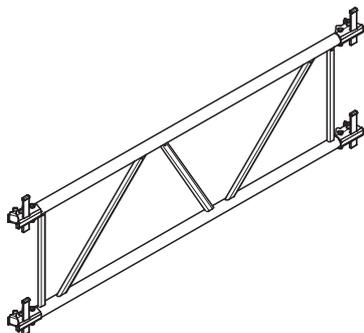
Item no.	Weight kg
028460	11.600
028360	12.400
028470	12.500
028480	12.800
028490	14.000
028370	14.900

**MULTIPROP Frames MRK, Alu**  
**Frame MRK 201.5**  
**Frame MRK 225**  
**Frame MRK 230**  
**Frame MRK 237**  
**Frame MRK 266**  
**Frame MRK 296**

Bracing frame for MULTIPROP. For connecting to outer and inner tube.  
 With captive wedge coupling.

L	X
1935	2015
2170	2250
2220	2300
2290	2370
2580	2660
2880	2960

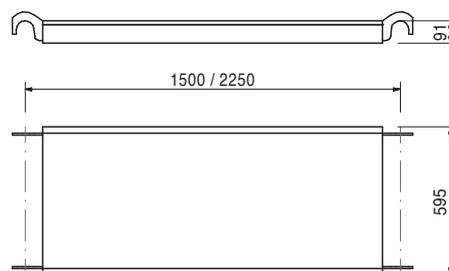
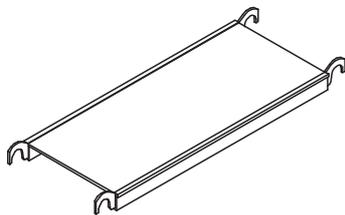
**Note**  
 L = Loading Length  
 X = Axis Length



107169	12.000
107170	18.000

**MULTIPROP Platforms**  
**MULTIPROP Platform 150 x 60**  
**MULTIPROP Platform 225 x 60**  
 For assembly of a working platform.

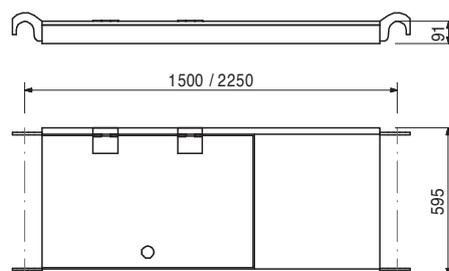
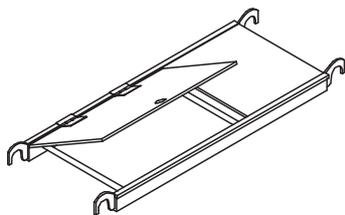
**Technical Data**  
 Permissible load up to 2.0 kN/m<sup>2</sup>.



107171	12.500
107172	18.500

**MULTIPROP Platforms with Hatch**  
**MULTIPROP Platform 150 x 60 with Hatch**  
**MULTIPROP Platform 225 x 60 with Hatch**  
 For assembly of a working platform. Self-locking hatch for access ladder.

**Technical Data**  
 Permissible load up to 2.0 kN/m<sup>2</sup>.



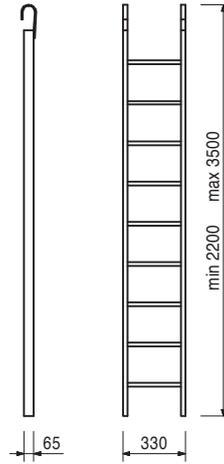
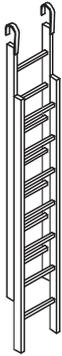
Item no.	Weight kg
107173	9.000

## Ladder 220 x 350, telescopic

As access for MULTIPROP towers. Mounted to platform with hatch.

## Technical Data

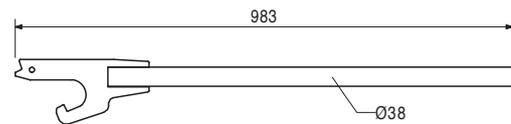
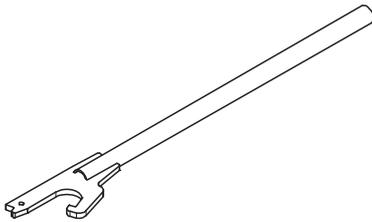
Extension length 2.20 – 3.50 m.



022027	3.600
--------	-------

## Wing Nut Spanner HD

For easy release of the Head Spindle HDK 45, the Head Spindle TR 110-80/55 and the MULTIPROP slab prop.



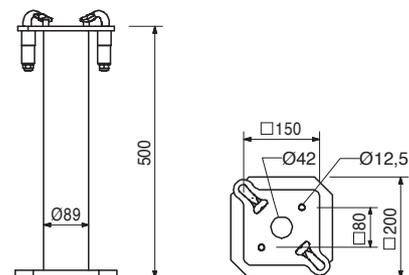
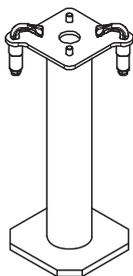
027310	8.900
--------	-------

## Base MP 50

For use with slab props with an end plate thickness of 6 – 10 mm. With clamped quick-release fastener.

## Note

Permissible load: see PERI Design Tables.



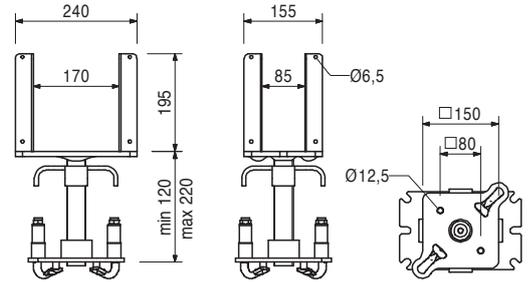
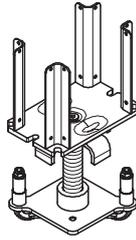
Item no.	Weight kg
027297	8.730

### Tilting Forkhead MKK

For tilt-resistant support of one or two GT 24 or VT 20 Girders. Can be pivoted by 3° in all directions. With clamped quick-release fastener.

### Technical Data

Separate design information on request.



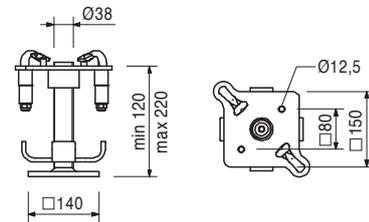
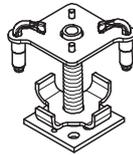
027296	6.220
--------	-------

### Tilting Base MKF

For use on inclined assembly areas. Can be pivoted by 3° in all directions. With clamped quick-release fastener.

### Technical Data

Maximum permissible load 60 kN.



027298	2.200
027299	2.200

### Scaffold Tube Couplers

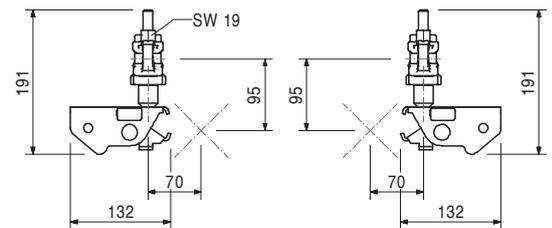
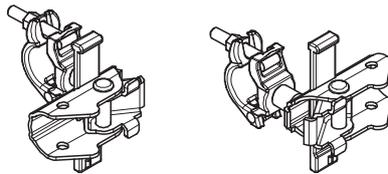
#### Scaffold Tube Coupler MG-A/C

#### Scaffold Tube Coupler MG-B/D

For connecting Scaffold Tubes Ø 48 mm to the MULTIPROP MP Slab Props.

### Note

Coupler not swivelling.



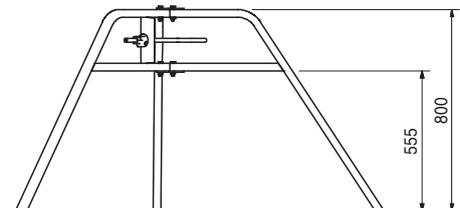
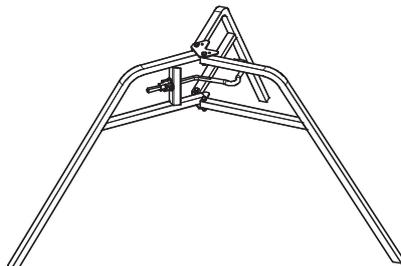
028000	9.190
--------	-------

### Universal Tripod, galv.

Erection aid for slab props with Ø 57 – 120 mm and 120 x 120 mm. Can also be used in combination with MULTIPROP MP Slab Props and all slab props with Base MP 50.

### Note

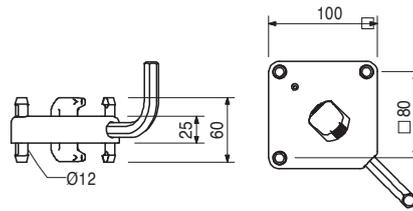
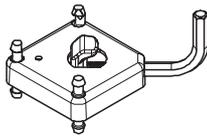
Only use as erection aid!



Item no.	Weight kg
027301	1.030

## Connector MPV-2

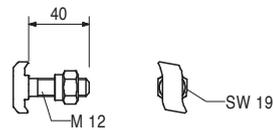
For connecting 2 MULTIPROP Slab Props.



111142	0.082
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## MULTIPROP Bolt with Nut

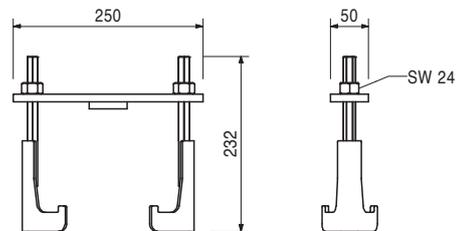
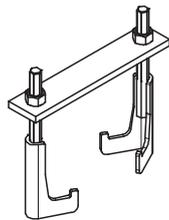
For connecting 2 MULTIPROP MP Slab Props, for connecting compression Brace Head MP/SRU and for the assembly of accessories on the Alu Beam MPB 24.



027302	2.100
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## MULTIPROP Strap SRZ U100 – U140

For fixing Steel Walers SRZ and SRU, Profile U100 to U140 on MULTIPROP Slab Props.



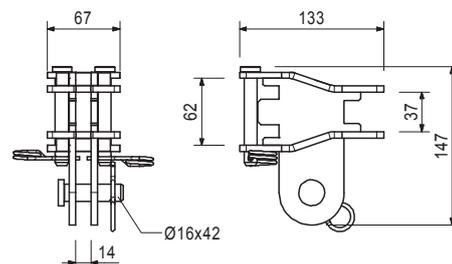
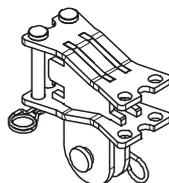
129565	1.680
--------	-------

## Brace Connector MPR

For connecting push-pull props to the MP-System.

### Complete with

- 1 pc. 027170 Pin Ø 16 x 42, galv.
- 1 pc. 018060 Cotter Pin 4/1, galv.
- 2 pc. 129560 Collar Pin Ø 12
- 2 pc. 127322 Cotter Pin 3, 2/2, galv.

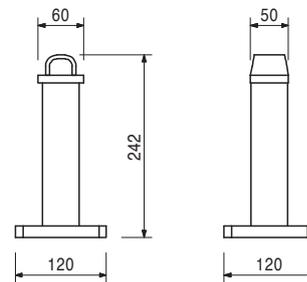
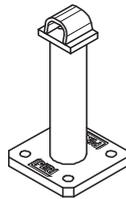


# MULTIPROP Single Props and System

Item no.	Weight kg
107161	3.050

**Compression Brace Head MP/SRU**  
As connecting element between MULTIPROP Slab Props and Steel Waler SRU/SRZ.

**Note**  
Separate design information on request.  
**Technical Data**  
Permissible load-bearing capacity 70 kN.



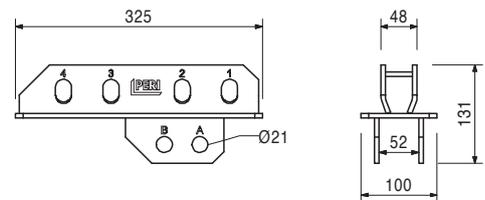
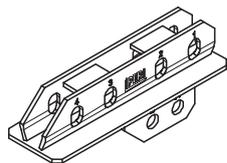
Accessories

104031	0.462
018060	0.014
111142	0.082

**Fitting Pin Ø 21 x 120**  
**Cotter Pin 4/1, galv.**  
**MULTIPROP Bolt with Nut**

107160	3.960
--------	-------

**Connector MP-SRU**  
As compensation element between the Prop Head MP/SRU and inclined positioned Steel Waler SRU.



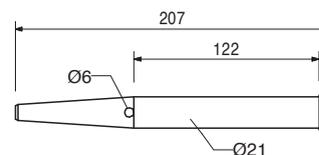
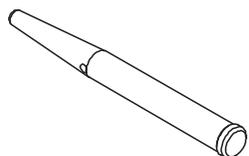
Accessories

104031	0.462
018060	0.014

**Fitting Pin Ø 21 x 120**  
**Cotter Pin 4/1, galv.**

104031	0.462
--------	-------

**Fitting Pin Ø 21 x 120**  
For different connections.



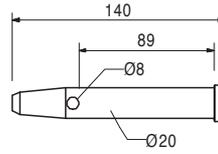
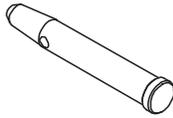
Accessories

018060	0.014
--------	-------

**Cotter Pin 4/1, galv.**

Item no.	Weight kg
105400	0.330

**Pin Ø 20 x 140, galv.**  
For different connections.



Accessories

018060	0.014
--------	-------

**Cotter Pin 4/1, galv.**

018060	0.014
--------	-------

**Cotter Pin 4/1, galv.**



019200	162.000
--------	---------

**Trolley with Winch**

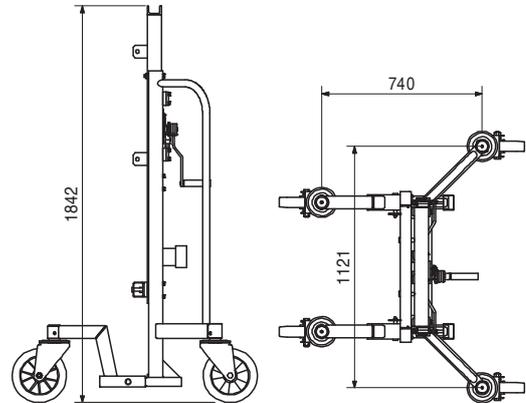
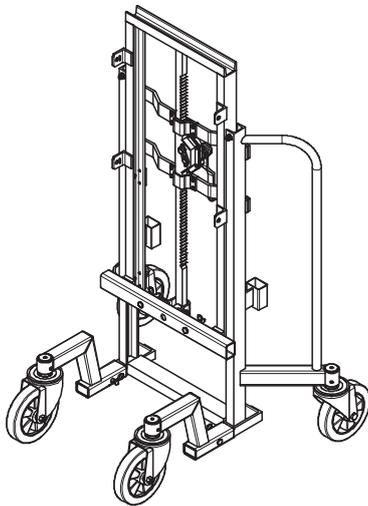
For moving towers and tables with MULTIPROP, Flex, Flex Plus and PD 8 with appropriate support for the system.

**Note**

Follow Instructions for Use!

**Technical Data**

Permissible load-bearing capacity 1.0 t.



Accessories

118114	14.200
118115	11.000
130501	27.600

**Connector MP - Trolley**

**Connector PD 8 - Trolley**

**Connector PERI UP - Trolley**

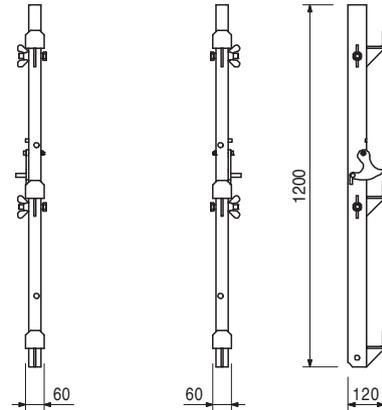
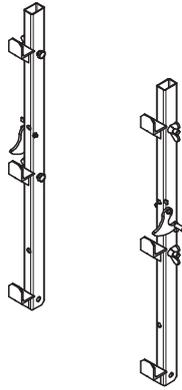
Item no.	Weight kg
118114	14.200

### Connector MP - Trolley

For moving MULTIPROP Towers with Trolley with Winch.

### Note

Consisting of 2 parts:  
Support left and right.



079300	24.000
079360	28.800
079420	33.700
079480	38.500
079540	43.300
079600	48.100

### Alu Beams MPB 24

Alu Beam MPB 24 l = 3.00 m

Alu Beam MPB 24 l = 3.60 m

Alu Beam MPB 24 l = 4.20 m

Alu Beam MPB 24 l = 4.80 m

Alu Beam MPB 24 l = 5.40 m

Alu Beam MPB 24 l = 6.00 m

Aluminium main beam for the MULTIPROP System.

### L

2998

3598

4198

4798

5398

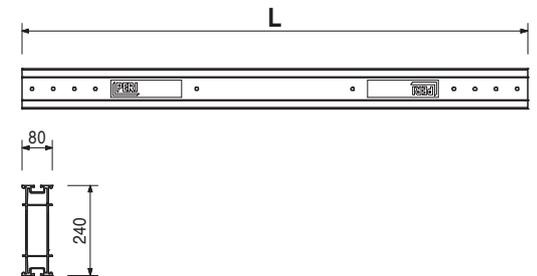
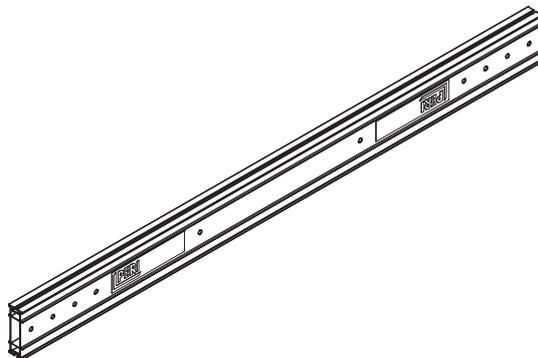
5998

### Technical Data

perm. Q = 50 kN

perm. A = 80 kN

perm. M = 15 kNm



107348	11.000
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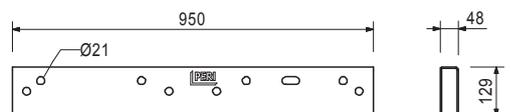
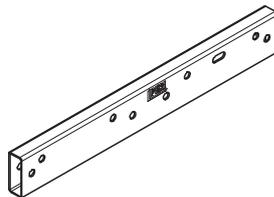
### Coupling MPB 24

For connecting the Alu Beam MPB 24.

### Note

Alternative:

104031 Fitting Pin  $\varnothing$  21 x 120



105400	0.330
018060	0.014

### Accessories

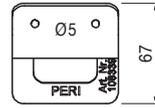
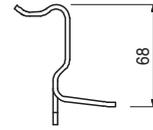
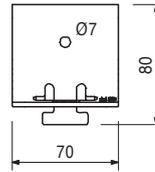
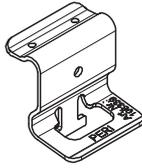
Pin  $\varnothing$  20 x 140, galv.

Cotter Pin 4/1, galv.

Item no.	Weight kg
108339	0.203

## Quick Strap MPB 24/GT 24

For assembly of GT 24 Girders on the Alu Beam MPB 24.



Accessories

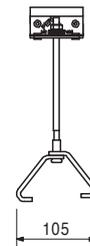
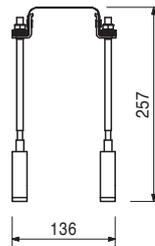
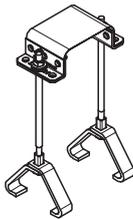
018280	1.000
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## Double Head Nail, l = 65 mm

111000	0.815
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## Tension Strap MPB 24 / GT 24

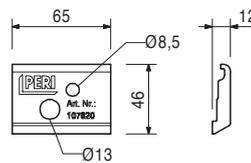
For fixing of GT 24 Girders on the Alu Beam MPB 24.



107820	0.057
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## Strap MPB 24

For fixing Alu Beam MPB 24 to the MULTIPROP Prop or mounting the GT 24 Girders on the Alu Beam MPB 24.



Accessories

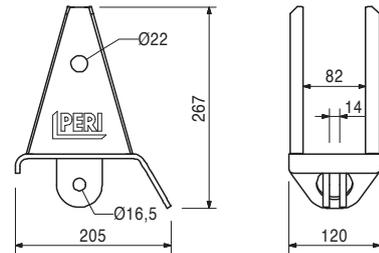
111142	0.082
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## MULTIPROP Bolt with Nut

Item no.	Weight kg
108213	2.590

## Brace Connector MPB 24

For connecting push-pull props or bracings to Aluminium Beam MPB 24.



104031	0.462
018060	0.014

Accessories

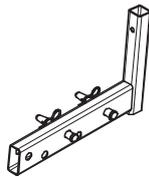
### Fitting Pin Ø 21 x 120

### Cotter Pin 4/1, galv.

104131	3.940
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## Guardrail Holder SRU/SRZ

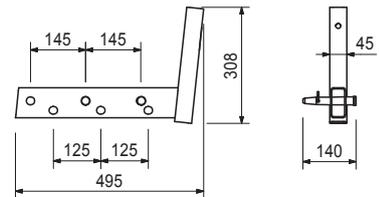
For assembling a guardrail to the Steel Walers SRU and SRZ, Profile U100 to U140.



### Complete with

2 pc. 105400 Pin Ø 20 x 140, galv.

2 pc. 018060 Cotter Pin 4/1, galv.



116292	4.720
061260	6.150

Accessories

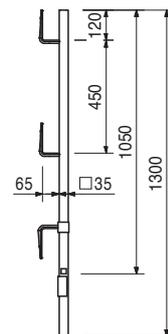
### Guardrail Post HSGP-2

### Guardrail Post SGP

116292	4.720
--------	-------

## Guardrail Post HSGP-2

As guardrail for different systems.











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**System-Independent Accessories**



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