



Formwork Order Catalogue

 **meva**

Wall Formwork

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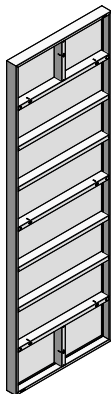


Wall formwork

EcoAs

EcoAs panels

Galvanized and post-treated. Frame profile height 10 cm, frame profile width 23 mm. Three tie holes per panel heights 300 cm and 240 cm, two tie holes per panel heights 160 cm and 120 cm. Heights 240 cm, 160 cm and 120 cm: centered tie hole at the top and bottom for horizontal application. The frames of EA panels are made of closed steel profiles and are torsion proof. The EcoAs is optionally covered with an alkus board or a multi-layer wood board (birch ply BP). All around grooves and EA assembly locks guarantee a tight and perfectly aligned stepless panel connection. Conical anchor sleeves are welded into the frames. Multi function profiles allow for an easy, fast and safe attachment of accessories.



| Ref.-No. | Description / Application | m ² | kg |
|-----------|---------------------------|----------------|-------|
| 21-703-11 | EcoAs AL.....300/100 | 3.00 | 97.80 |
| 21-703-21 | EcoAs AL.....300/80 | 2.40 | 84.10 |
| 21-703-46 | EcoAs AL.....300/55 | 1.65 | 68.50 |
| 21-703-61 | EcoAs AL.....300/40 | 1.20 | 54.50 |
| 21-703-76 | EcoAs AL.....300/25 | 0.75 | 40.70 |
| | | | |
| 21-700-21 | EcoAs AL.....240/80 | 1.92 | 68.00 |
| 21-700-46 | EcoAs AL.....240/55 | 1.32 | 55.00 |
| 21-700-51 | EcoAs AL.....240/50 | 1.20 | 52.00 |
| 21-700-56 | EcoAs AL.....240/45 | 1.08 | 49.00 |
| 21-700-61 | EcoAs AL.....240/40 | 0.96 | 41.50 |
| 21-700-76 | EcoAs AL.....240/25 | 0.60 | 33.00 |
| | | | |
| 21-705-21 | EcoAs AL.....160/80 | 1.28 | 47.60 |
| 21-705-46 | EcoAs AL.....160/55 | 0.88 | 37.90 |
| 21-705-51 | EcoAs AL.....160/50 | 0.80 | 36.00 |
| 21-705-56 | EcoAs AL.....160/45 | 0.72 | 34.00 |
| 21-705-61 | EcoAs AL.....160/40 | 0.64 | 27.50 |
| 21-705-76 | EcoAs AL.....160/25 | 0.40 | 21.70 |

Wall formwork

EcoAs

| | | | |
|-----------------------------|--------------|------------|-------|
| 21-710-21 ... EcoAs AL..... | 120/80 | 0.96 | 37.60 |
| 21-710-46 ... EcoAs AL..... | 120/55 | 0.66 | 30.00 |
| 21-710-51 ... EcoAs AL..... | 120/50 | 0.60 | 28.70 |
| 21-710-56 ... EcoAs AL..... | 120/45 | 0.54 | 27.20 |
| 21-710-61 ... EcoAs AL..... | 120/40 | 0.48 | 21.50 |
| 21-710-71 ... EcoAs AL..... | 120/30 | 0.36 | 18.10 |
| 21-710-76 ... EcoAs AL..... | 120/25 | 0.30 | 16.60 |
| 21-715-61 ... EcoAs AL..... | 80/40 | 0.32 | 14.50 |

EcoAs BP

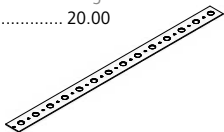
Eco As BP panels are equipped with birch ply.

| Ref.-No. | Description / Application | m ² | kg |
|---------------|----------------------------|----------------|-------|
| 21-703-10.... | EcoAs BP.....300/100 | 3.00 | 94.50 |
| 21-703-20 ... | EcoAs BP.....300/80 | 2.40 | 81.50 |
| 21-703-45 ... | EcoAs BP.....300/55 | 1.65 | 64.40 |
| 21-703-60 ... | EcoAs BP.....300/40 | 1.20 | 53.20 |
| 21-703-75 ... | EcoAs BP.....300/25 | 0.75 | 40.00 |

Foundation tape

Galvanized. Hole spacing 50 mm, hole Ø 16 mm, length 50 m. Adm. tractive force 10 kN. To be cut at hole center. Serves together with the appropriate tensioner as bottom anchoring when assembling panels in horizontal position.

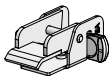
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-307-50 ... | Foundation tape 50 m..... | 20.00 |



Wall formwork

Tensioner EA for foundation tape

Galvanized. Connects the foundation tape to EcoAs or AluFix panels and serves as bottom anchoring when assembling panels in horizontal position. Two tensioners are required per anchoring position.



| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-307-75 | ... Tensioner EA for foundation tape | 1.26 |

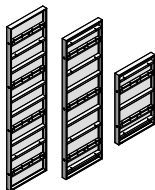
Trolley for foundation tape

Not shown. Galvanized. Is used to transport and cut the foundation tape to length. Suitable for one roll. Pneumatic wheels.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------------|-------|
| 29-307-55 | ... Trolley for foundation tape | 21.80 |

EcoAs AL Column panel

Steel, galvanized. Four tie holes per panel heights 350, three tie holes per panel heights 300 cm and two tie holes per panel heights 150 cm with unperforated alkus facing. Equipped with perforated profiles for tensioning screws M350/EA. Can be used for column formwork up to 75 cm (adjustment in 5 cm increments) and for pilasters, connections to existing walls, hinged corners, etc.



| Ref.-No. | Description / Application | m ² | kg |
|-----------|----------------------------------|----------------|------------|
| 21-704-86 | ... EcoAs AL-CP.....350/90 | 3.15 | .. 133.10 |
| 21-704-91 | ... EcoAs AL-CP.....300/90 | 2.70 | .. 115.10 |
| 21-704-96 | ... EcoAs AL-CP.....150/90 | 1.35 | 65.80 |
| 21-704-85 | ... EcoAs BP-CP.....350/90 | 3.15 | .. 129.60 |
| 21-704-90 | ... EcoAs BP-CP.....300/90 | 2.70 | .. 112.10 |
| 21-704-95 | ... EcoAs BP-CP.....150/90 | 1.35 | 64.30 |

Wall formwork

Tension screw M 350/EA

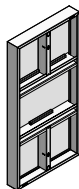
Galvanized. Connects column panels. A flange nut 100 or an articulated flange nut 15/120 is also required.



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 29-402-98 ... | Tension screw M350/EA | 0.90 |

EcoAs Multipurpose panel

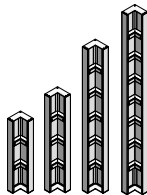
With perforated profiles to be used as column formwork or to concrete pilasters, stop ends, connections to existing walls, corner configurations, etc. Is used in connection with stop end fixture 23/40.



| Ref.-No. | Description / Application | m ² | kg |
|---------------|---------------------------------|----------------|-------|
| 21-720-51 ... | EcoAs AL-MPP 120/60 | 0.72 | 34.19 |

EcoAs inside corner

Alu(minium) frame with high-quality annealed plastic coating. All-plastic facing. Aluminium frame with tie holes. For 90° corners, side length 25 cm.



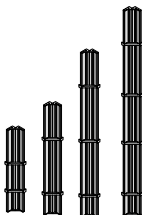
| Ref.-No. | Description / Application | m ² | kg |
|---------------|-------------------------------|----------------|-------|
| 21-724-10.... | EcoAs AL-IC..... 300/25 | 1.50 | 30.50 |
| 21-724-20 ... | EcoAs AL-IC..... 240/25 | 1.20 | 24.50 |
| 21-724-30 ... | EcoAs AL-IC..... 160/25 | 0.80 | 16.80 |
| 21-724-40 ... | EcoAs AL-IC..... 120/25 | 0.60 | 13.00 |

Wall formwork

EcoAs

EcoAs outside corner

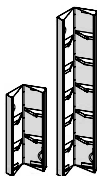
Aluminium with high-quality annealed plastic coating. Facing 5 cm wide on both sides, integrated chamfer strip. Provides together with EcoAs panels and EA assembly locks a fast and tight outside corner assembly for 90° angles.



| Ref.-No. | Description / Application | m ² | kg |
|------------------------|---------------------------|----------------|-------|
| 21-725-75 ... EcoAs OC |300..... | 0.30 | 15.80 |
| 21-725-85 ... EcoAs OC |240..... | 0.24 | 12.60 |
| 21-725-90 ... EcoAs OC |160..... | 0.16 | 8.50 |
| 21-725-95 ... EcoAs OC |120..... | 0.12 | 6.50 |

EcoAs hinged inside corner

Steel construction with steel sheeting, primed and cavity-sealed. Side length 30 cm. Adjustable angle 60° to 180°.



| Ref.-No. | Description / Application | m ² | kg |
|-------------------------|---------------------------|----------------|-------|
| 21-726-30 ... EcoAs HIC |240/30 | 1.44 | 74.30 |
| 21-726-40 ... EcoAs HIC |120/30 | 0.72 | 38.20 |

EcoAs hinged outside corner

Steel construction with steel sheeting, primed and cavity-sealed. Side length 7.5 cm. Adjustable angle 60° to 180°.



| Ref.-No. | Description / Application | m ² | kg |
|-------------------------|---------------------------|----------------|-------|
| 21-726-50 ... EcoAs HOC |240..... | 0.36 | 39.70 |
| 21-726-60 ... EcoAs HOC |120..... | 0.18 | 20.20 |

Wall formwork

EA assembly lock

Galvanized. Tightly connects and aligns EA panels.
Clamping length 4.6 cm.

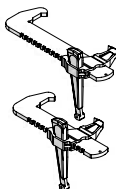
| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-205-50 | ... EA-assembly lock..... | 1.50 |



Uni-assembly lock

Galvanized. For stepless compensation.
Clamping length 22 cm or 28 cm.

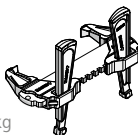
| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------|------|
| 29-400-85 | ... Uni-assembly lock 22..... | 3.60 |
| 29-400-90 | ... Uni-assembly lock 28..... | 3.90 |



RS-assembly lock

Galvanized, For stepless length compensation.
Clamping length is 11.9 to 20.5 cm for stepless compensation.

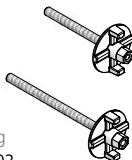
| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 23-807-70 | ... RS-assembly lock..... | 4.70 |



Flange screw

Galvanized. DW thread \varnothing 15 mm. Is used to attach accessories, e.g. alignment rails, brace frames, push-pull props, etc.
Length of thread 18 cm or 27 cm.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-401-10 | ... Flange screw 18 | 1.02 |
| 29-401-12 | ... Flange screw 28 | 1.28 |

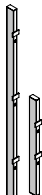


Wall formwork

EcoAs

EA steel filler

Completely made of steel, primed and cavity-sealed, with tie holes. For length adjustment of 5 cm, particularly in corners. 2 or 3 Uni-assembly locks are required for each filler.



| Ref.-No. | Description / Application | m ² | kg |
|---------------|-----------------------------|----------------|-------|
| 21-726-00 ... | EA-steel filler 240/5 | 0.12 | 13.00 |
| 21-726-10.... | EA-steel filler 120/5 | 0.06 | 6.50 |

EA compensation plate

Steel construction with steel sheeting, primed and cavity-sealed. Is used to compensate gaps of 6 to 20 cm and attached to panels with 2 EA assembly locks. Alignment rails must be used to bridge and align the panels with the compensation plate.



| Ref.-No. | Description / Application | m ² | kg |
|---------------|------------------------------------|----------------|-------|
| 21-726-20 ... | EA-compensation plate 120/20 | 0.24 | 11.80 |

Dismantling auxiliary 120

Diagonally divided timber filler, 10 cm wide, 120 cm high. Permits easy stripping in restricted areas such as shafts and staircases. Two Uni-assembly locks are required per dismantling auxiliary. Alignment rails must be used for reinforcement. Delivery and weight by pairs.

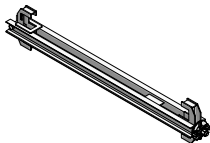


| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|------|
| 29-306-20 ... | Dismantling auxiliary 120 | 3.60 |

Wall formwork

Stop end bracket

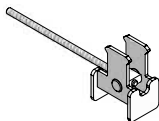
Galvanized. Is used to form stop ends. Stop end bracket 23/40 for wall thickness up to 35. Stop end bracket 60/23 for wall thickness up to 75 cm.



| Ref.-No. | Description / Application | kg |
|-----------|--|-------|
| 29-105-45 | ... Stop end bracket 23/40..... | 13.40 |
| 29-105-60 | ... Stop end bracket 2.5' - 60/23..... | 19.50 |

Stop end fixture 23/40

Yellow chromated. Is used together with the EcoAs or StarTec multi-purpose panel to form outside corners and abutments. Is suited for the frame profiles of EcoAs and AluFix (23 mm) and AluStar/StarTec (40 mm). A flange nut 100 or an articulated flange nut 15/120 is also required.



| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 79-402-85 | ... Stop end fixture 23/40 (yellow)..... | 3.00 |

Plug D20

Is used to close unused tie holes (AluFix, EcoAs, AluStar and StarTec).

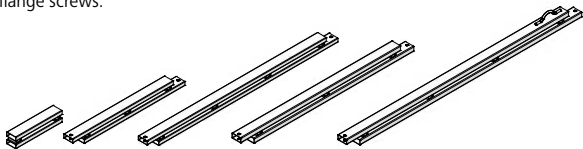
| Ref.-No. | Description / Application | kg |
|-----------|------------------------------------|------|
| 29-902-63 | ... Plug D20 red | 0.01 |
| 29-902-62 | ... Plug D20 without imprint | 0.01 |



Wall formwork

Alignment rail

Galvanized. Is used to brace panel joints for crane ganging, bridge problem areas and brace compensation areas. Is attached to the formwork with flange screws.



| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------------|-------|
| 29-201-73 | ...AS-alignment rail 50, galv..... | 5.20 |
| 29-201-75 | ...AS-alignment rail 125, galv..... | 10.50 |
| 29-201-80 | ...AS-alignment rail 200, galv..... | 19.00 |
| 29-400-92 | ...M-alignment rail 180, galv..... | 24.80 |
| 29-402-50 | ...M-alignment rail 250, galv..... | 34.50 |

Support angle for walkway brackets

Galvanized. Is used to support a walkway bracket if the DW-nut on the multi-function profile is covered by an alignment rail. In this case the mounting bracket is fixed to the panel through the alignment rail by a separate flange screw.



| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-106-95 | ... Support angle for walkway brackets..... | 2.70 |

Tie rod DW 15/90

Uncoated, not weldable. DW thread \varnothing 15 mm. Is used to tie panels of double-sided formwork. Adm. load capacity 90 kN (DIN 18216).

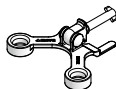


| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-900-80 | ...Tie rod DW 15/90..... | 1.25 |

Wall formwork

Tie rod fixture

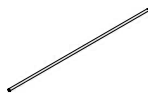
Galvanised. To hold DW tie rods with articulated flange nut, XT tie rods or XT taper ties. Can be used with horizontal or vertical MEVA wall formwork panels.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-927-05 ... | Tie rod fixture Ø35 | 1.20 |

Plastic tube

Plastic spacer tube for tie holes. Two cones are also required per tie hole. D22/200: internal Ø 22 mm, external Ø 28 mm, standard length 2.00 m.



| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|------|
| 29-902-30 ... | Plastic tube D22/200 | 0.35 |

Cone for plastic tube

Available with 10 mm or 30 mm covering.



| Ref.-No. | Description / Application | kg |
|---------------|---|------|
| 29-902-40 ... | Cone for plastic tube D22/10 (10 mm covering) | 0.01 |
| 29-902-50 ... | Cone for plastic tube D22/30 (30 mm covering) | 0.01 |

Plug

Is used to close tie holes in the wall when plastic tubes D22 are applied. Two plugs are required per tie hole.



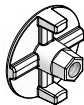
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-902-70 ... | Plug D22 | 0.01 |

Wall formwork

Flange nut 100

Forged, galvanized. For DW tie rods with 15 mm Ø. Plate Ø 100 mm, SW 27. Admissible load capacity 90 kN (DIN 18216).

| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------------|------|
| 29-900-20 ... | Flange nut 100 (SW 27, forged) | 0.70 |



Articulated flange nut 15/120

Forged, galvanized. DIN 18216. DW thread Ø 15 mm, plate Ø 120 mm, max. inclination 10°, SW 27. Max. load capacity 90 kN. Reduces wear of panel coating.

| Ref.-No. | Description / Application | kg |
|---------------|---|------|
| 29-900-10 ... | Articulated flange nut 15/120 (SW 27) | 1.81 |



Spanner SW 27

Inset yellow chromated. Spanner width (SW) 27 mm. Is used to tighten and loosen flange nut 100, articulated flange nut 15/120 and flange screw.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-800-10 ... | Spanner SW 27 | 1.80 |



Drive nut 60

Galvanized. DW thread Ø 15 mm, plate Ø 60 mm. Adm. load capacity 90 kN (DIN 18216). Is used to tie the formwork to the ground or to a wall connection.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-900-23 ... | Drive nut 60 | 0.50 |



Wall formwork

Tie claw 23

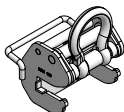
Galvanized. Permits tying (with tie rod DW 15 and flange nut 100) directly above or beside EcoAs and AluFix panels.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-901-44 ... | Tie claw 23..... | 0.17 |

EA/AF crane hook

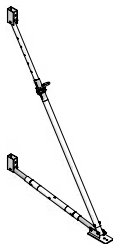
Coated. Is used to move and crane-gang AluFix and EcoAs panels. Self-locking. Load capacity 6 kN (600 kg). Always two crane hooks required per gang. Refer to the crane hook Operating Instructions for application and safety test.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-103-05 ... | EA/AF crane hook..... | 5.89 |

Brace frame 250

Galvanized. Available with formwork-prop connector. Is used to align and brace the formwork. Consists of a push-pull prop R 250 (190-320 cm), a brace SRL 120 (90-150 cm) and a double-jointed footplate. The formwork-prop connectors are attached to the formwork with flange screws 18.



| Ref.-No. | Description / Application | kg |
|---------------|--|-------|
| 29-109-20 ... | Brace frame 250 with formwork-prop connector.... | 31.50 |

Formwork-prop connector

Galvanized. Delivery includes head bolt 16/90 and cotter pin 4. Is used to connect braces, brace frames and push-pull props (max. Ø 48 mm) to the multi-function profile with a flange screw 18.

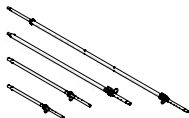


| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------|------|
| 29-804-85 ... | Formwork-prop connector | 1.65 |

Wall formwork

Push-pull prop R

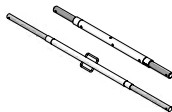
Galvanized. Guarantee tensile and compression strength. Align and brace wall formwork. Length of thread 20.6 cm. Foot plates and formwork-prop-connectors to be ordered separately.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------------|-------|
| 29-109-40 ... | Push-pull prop R 160..(135-200) | 12.60 |
| 29-109-60 ... | Push-pull prop R 250..(190-320) | 17.20 |
| 29-109-80 ... | Push-pull prop R 460 .(340-520) | 34.00 |
| 29-109-85 ... | Push-pull prop R 630..(510-760) | 57.00 |

Braces SRL

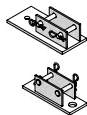
Galvanized. Guarantee tensile and compression strength. With right-hand and left-hand spindle and revolving centre part. Align and brace wall formwork. Foot plates and formwork-prop-connectors to be ordered separately.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------------|-------|
| 29-108-80 ... | Brace SRL 120(90-150)..... | 8.79 |
| 29-108-90 ... | Brace SRL 170(120-220) | 11.50 |

Foot plate

Galvanized. With head bolt 16/90 and cotter pin 4. Serves as foot plate for brace frames 250 and as connector for braces and push-pull props up to \varnothing 57 mm.



| Ref.-No. | Description / Application | kg |
|----------------|---|------|
| 29-402-32..... | Double-jointed foot plate (prop diam. up to 57 mm)..... | 4.00 |
| 79-427-50..... | Foot plate 60 (prop diam. up to 57 mm)..... | 3.00 |

Wall formwork

Articulated foot plate

Galvanized. With head bolt 16/90 and cotter pin 4. For push-pull props and braces of up to Ø 57 mm.



| Ref.-No. | Description / Application | kg |
|---------------|---|------|
| 29-802-48 ... | Articulated foot plate (prop diam. up to 57 mm) | 2.30 |

Head bolt 16/90

Galvanized. Is used to attach push-pull props and braces to foot plates and formwork-prop connectors.



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 42-413-50 ... | Head bolt 16/90, galv. | 0.17 |

Cotter pin 4

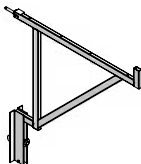
Galvanized. Locks the head bolt.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 62-010-04 ... | Cotter pin 4..... | 0.02 |

Walkway bracket

Galvanized, yellow, pluggable. Is used as working and safety scaffold. Is attached to the multi-function profile and secured to the multi-function profile below with a flange screw 18. The planking can be mounted to the brackets. Working width approx. 90 cm. MEVA Guardrailing post is also required. Bracket spacing depends on type of planking (DIN 4420).

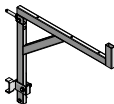


| Ref.-No. | Description / Application | kg |
|---------------|--|-------|
| 29-106-00 ... | Walkway bracket 90 (yellow), galv..... | 10.30 |

Wall formwork

Walkway bracket 65

Galvanized, pluggable. Adapted in particular to AluFix and EcoAs. Is used as working and safety scaffold. Is plugged into the multi-function profile while the sliding part rests on the cross stiffener – no flange screw needed. The planking can be mounted to the brackets. Working width approx. 65 cm. A MEVA guard-railing post is required in addition. Bracket spacing depends on type of planking (DIN 4420).

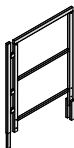


| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-106-15.... | Walkway bracket 65..... | 4.80 |

Side railing

Galvanized. Is plugged into the walkway bracket.

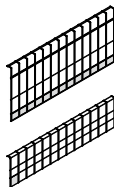
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|-------|
| 29-108-20 ... | Side railing 90/100, galv. | 12.30 |
| 29-108-15.... | Side railing 65/100, galv. | 10.50 |



Safety mesh

Painted steel. Robust steel mesh with reinforced edges and closed steel sheet to prevent small items from falling down. The mesh replaces railings, toe board and net in one single part. DIN EN 13374 Class A.

| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|-------|
| 29-920-00 ... | Safety mesh 1100/2490 | 15.00 |
| 29-920-05 ... | Safety mesh 600/2490 | 9.80 |



Wall formwork

EcoAs

Guardrailing post

Galvanized. Is plugged into the walkway bracket.

| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-106-75 ... | Guard-railing post 100 | 3.70 |
| 29-106-85 ... | Guard-railing post 140 | 4.70 |



Guardrailing post 48

Galvanized. With manifold to be plugged into the walkway bracket and with 48 mm Ø tube to attach scaffold couplers.

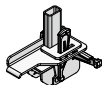
| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------------|------|
| 29-106-80 ... | Guard-railing post 48/120 (UK) | 5.50 |



Tilting bracket 23

Galvanised. Used to attach MEVA guardrailing posts to create a fall protection system. It can be set up vertically to facilitate the installation of safety meshes or railing boards or inclined by 15° to create a larger working area. Secured with a wedge to the frame profile of 23 mm.

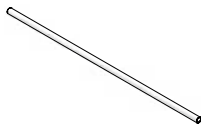
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-920-84 ... | Tilting bracket 23 | 4.90 |



Wall formwork

Scaffold tube

Galvanized. Is used as handrail in combination with guardrailing post 48.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-412-23 ... | Scaffold tube 48/200..... | 9.40 |
| 29-412-26 ... | Scaffold tube 48/300..... | 14.10 |
| 29-412-27 ... | Scaffold tube 48/400..... | 18.80 |
| 29-412-25 ... | Scaffold tube 48/500..... | 23.50 |
| 29-412-28 ... | Scaffold tube 48/600..... | 28.20 |

Swivel-joint coupler 48/48

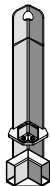
Galvanized. Connects 2 scaffold tubes with 48.3 mm Ø at any angle.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|------|
| 29-412-52 ... | Swivel-joint coupler 48/48..... | 1.20 |

Stacking angle 60/40/23

Steel, galvanized. Used to stack and transport two to five wall formwork panels of the same size with frame profile widths of 60 mm, 40 mm or 23 mm. Four stacking angles 60/40/23 are required for each panel stack. The permissible load capacity per stacking angle is 15 kN (1.5 t). Refer to the stacking angle Operating Instructions for application and safety test.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-305-45 ... | Stacking angle 60/40/23..... | 9.60 |

Safety plug stacks

Plastic, black. Secures stacked AluFix, EcoAs, AluStar and StarTec panels.

| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------------|------|
| 40-131-10.... | Safety plug AS/ST stacks, black..... | 0.04 |





Wall formwork

AluFix

AluFix AL panels

Construction height 10 cm, frame profile width 23 mm. Four tie holes per panel height 350 cm, three tie holes per panel height 300, 270 and 250 cm, two tie holes per panel height 150 and 135 cm. The frames of the AF panels are made of closed 3-chamber aluminium profiles and hence torsion-proof. They are easy to clean thanks to their high-quality annealed powder coating. AluFix AL panels can be ordered with alkus face or plywood (birch ply). All-around grooves and EA assembly locks guarantee a tight and perfectly aligned panel connection. Anchor sleeves are welded into the frames. Multi-function profiles allow for an easy, fast and safe attachment of accessories. For use on foundations AF-panels 90 cm and 75 cm wide have an additional recessed tie hole.

| Ref.-No. | Description / Application | m ² | kg |
|---------------|----------------------------|----------------|-------|
| 22-133-10... | AluFix AL.....350/90 | 3.15 | 62.50 |
| 22-133-25 ... | AluFix AL.....350/75 | 2.63 | 52.70 |
| 22-133-45 ... | AluFix AL.....350/55 | 1.93 | 41.30 |
| 22-133-55 ... | AluFix AL.....350/45 | 1.58 | 35.40 |
| 22-133-60 ... | AluFix AL.....350/40 | 1.40 | 32.60 |
| 22-133-75 ... | AluFix AL.....350/25 | 0.88 | 24.10 |
| 22-134-10... | AluFix AL.....300/90 | 2.70 | 53.00 |
| 22-134-25 ... | AluFix AL.....300/75 | 2.25 | 46.00 |
| 22-134-45 ... | AluFix AL.....300/55 | 1.65 | 35.50 |
| 22-134-55 ... | AluFix AL.....300/45 | 1.35 | 30.70 |
| 22-134-60 ... | AluFix AL.....300/40 | 1.20 | 28.40 |
| 22-134-75 ... | AluFix AL.....300/25 | 0.75 | 20.20 |
| 22-137-10... | AluFix AL.....270/90 | 2.43 | 47.80 |
| 22-137-25 ... | AluFix AL.....270/75 | 2.03 | 41.30 |
| 22-137-45 ... | AluFix AL.....270/55 | 1.49 | 31.60 |
| 22-137-55 ... | AluFix AL.....270/45 | 1.22 | 27.10 |
| 22-137-60 ... | AluFix AL.....270/40 | 1.08 | 24.90 |
| 22-137-75... | AluFix AL.....270/25 | 0.68 | 18.50 |
| 22-138-10... | AluFix AL.....250/90 | 2.25 | 45.20 |
| 22-138-25 ... | AluFix AL.....250/75 | 1.88 | 38.10 |



Wall formwork

AluFix

| | | | |
|------------------------------|--------------|------------|-------|
| 22-138-45 ... AluFix AL..... | 250/55 | 1.38 | 29.80 |
| 22-138-55 ... AluFix AL..... | 250/45 | 1.13 | 25.50 |
| 22-138-60 ... AluFix AL..... | 250/40 | 1.00 | 23.50 |
| 22-138-75 ... AluFix AL..... | 250/25 | 0.63 | 17.40 |



| | | | |
|------------------------------|--------------|------------|-------|
| 22-135-10.... AluFix AL..... | 150/90 | 1.35 | 27.70 |
| 22-135-25 ... AluFix AL..... | 150/75 | 1.13 | 23.60 |
| 22-135-45 ... AluFix AL..... | 150/55 | 0.83 | 18.80 |
| 22-135-55 ... AluFix AL..... | 150/45 | 0.68 | 16.30 |
| 22-135-60 ... AluFix AL..... | 150/40 | 0.60 | 15.10 |
| 22-135-75 ... AluFix AL..... | 150/25 | 0.38 | 10.30 |

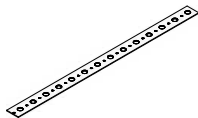


| | | | |
|------------------------------|--------------|------------|-------|
| 22-139-10.... AluFix AL..... | 135/90 | 1.22 | 24.10 |
| 22-139-25 ... AluFix AL..... | 135/75 | 1.01 | 20.70 |
| 22-139-45 ... AluFix AL..... | 135/55 | 0.74 | 16.30 |
| 22-139-55 ... AluFix AL..... | 135/45 | 0.61 | 13.90 |
| 22-139-60 ... AluFix AL..... | 135/40 | 0.54 | 12.80 |
| 22-139-75 ... AluFix AL..... | 135/25 | 0.34 | 9.50 |



Foundation tape

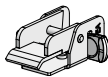
Galvanized. Hole spacing 50 mm, hole Ø 16 mm, length 50 m. Adm. tractive force 10 kN. To be cut at hole center. Together with the appropriate tensioner it serves as bottom tie when panels are assembled in horizontal position.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-307-50 ... | Foundation tape 50 m..... | 20.00 |

Tensioner EA for foundation tape

Galvanized. Connects the foundation tape to EcoAs or AluFix panels and serves as bottom tie when panels are assembled in horizontal position. Two tensioners are required per tying position.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------------|------|
| 29-307-75 ... | Tensioner EA for foundation tape..... | 1.26 |

Wall formwork

AluFix

Trolley for foundation tape

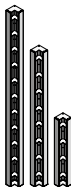
Not shown. Galvanized. Is used to transport and cut foundation tape to length. Suitable for one roll. Pneumatic wheels.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------|-------|
| 29-307-55 | ... Trolley for foundation tape | 21.80 |

AluFix inside corner

Aluminium. With annealed power coating. For 90° corners, side length 20 cm.

| Ref.-No. | Description / Application | m ² | kg |
|-----------|-----------------------------|----------------|-------|
| 22-154-05 | ... AluFix AL-IC.....350/20 | 1.40 | 32.30 |
| 22-154-10 | ... AluFix AL-IC.....300/20 | 1.20 | 27.40 |
| 22-154-15 | ... AluFix AL-IC.....270/20 | 1.08 | 25.00 |
| 22-154-25 | ... AluFix AL-IC.....250/20 | 1.00 | 23.20 |
| 22-154-30 | ... AluFix AL-IC.....150/20 | 0.60 | 14.20 |
| 22-154-35 | ... AluFix AL-IC.....135/20 | 0.54 | 13.00 |



AluFix outside corner

Aluminium. With annealed powder coating. Provides a tight outside corner assembly for 90° angles when used together with AluFix panels and EA assembly locks.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|-------|
| 22-150-01 | ... AluFix OC.....350 | 10.61 |
| 22-150-02 | ... AluFix OC.....300 | 9.05 |
| 22-150-03 | ... AluFix OC.....270 | 8.21 |
| 22-150-06 | ... AluFix OC.....250 | 7.65 |
| 22-150-12 | ... AluFix OC.....150 | 4.70 |
| 22-150-14 | ... AluFix OC.....135 | 4.28 |



Wall formwork

AluFix

AluFix hinged inside corner

Steel construction with steel sheeting. Primed and cavity-sealed.
Side length 20 cm. Adjustable angle 80° - 180° when used as inside corner, or 95° - 180° when used as outside corner.



| Ref.-No. | Description / Application | m ² | kg |
|-----------|-------------------------------|----------------|-------|
| 22-151-90 | ... AluFix HIC 150..... | 0.60 | 35.00 |
| 22-151-92 | ... AluFix HIC 135..... | 0.54 | 31.30 |

AluFix hinged outside corner

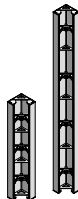
Steel construction with steel sheeting. Primed and cavity-sealed. Side length 1.5 cm. Adjustable angle 0° - 120°.



| Ref.-No. | Description / Application | kg |
|-----------|------------------------------|-------|
| 22-151-70 | ... AluFix HOC..... 150..... | 20.50 |
| 22-151-72 | ... AluFix HOC..... 135..... | 18.30 |

AluFix stripping corner

Steel construction with steel sheeting. Primed and cavity-sealed.
3 parts. With annealed powder coating and tie holes. When assembling and stripping the formwork, the AF stripping corners are pressed against and removed from the concrete by using the integrated spanner.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------|--------|
| 22-151-00 | ... AluFix SC..... 350/25 | 125.46 |
| 22-151-10 | ... AluFix SC..... 300/25 | 106.80 |
| 22-151-12 | ... AluFix SC..... 270/25 | 97.70 |
| 22-151-15 | ... AluFix SC..... 250/25 | 91.60 |
| 22-151-20 | ... AluFix SC..... 150/25 | 57.70 |
| 22-151-25 | ... AluFix SC..... 135/25 | 49.69 |

Wall formwork

AluFix

Adhesive tape, red

Not shown. Reinforced adhesive tape, red, 50 mm wide, 50 running metres.

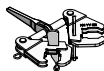
Total thickness: 270 µm. Natural rubber adhesive on one side. PE-coated.

| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------|------|
| 41-912-10 | ... Adhesive tape 50 m, red | 0.83 |

AluFix SC Tools

Complete tool for activating/operating the AluFix ASE, adjustment range 232 - 322 mm. Consists of Formwork-prop connector for stripping corner left, Formwork-prop connector for stripping corner right, Ratchet load tensioner 232-322.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-306-15 | ... AluFix SC Tools | 5.49 |



AluFix BP panels

The AluFix BP panels are equipped with birch-ply facing.

| Ref.-No. | Description / Application | m ² | kg |
|-----------|----------------------------|----------------|-------|
| 22-133-09 | ... AluFix BP 350/90 | 3.15 | 58.10 |
| 22-133-24 | ... AluFix BP 350/75 | 2.63 | 49.00 |
| 22-133-44 | ... AluFix BP 350/55 | 1.93 | 38.60 |
| 22-133-54 | ... AluFix BP 350/45 | 1.58 | 33.20 |
| 22-133-59 | ... AluFix BP 350/40 | 1.40 | 30.60 |
| 22-133-74 | ... AluFix BP 350/25 | 0.88 | 22.90 |
| 22-134-24 | ... AluFix BP 300/75 | 2.25 | 42.90 |
| 22-134-44 | ... AluFix BP 300/55 | 1.65 | 33.20 |
| 22-134-54 | ... AluFix BP 300/45 | 1.35 | 28.80 |
| 22-134-59 | ... AluFix BP 300/40 | 1.20 | 26.70 |
| 22-134-74 | ... AluFix BP 300/25 | 0.75 | 19.20 |



Wall formwork

AluFix

| | | | |
|-------------------------------|--------------|------------|-------|
| 22-137-09 ... AluFix BP | 270/90 | 2.43 | 44.30 |
| 22-137-24 ... AluFix BP | 270/75 | 2.03 | 38.50 |
| 22-137-44 ... AluFix BP | 270/55 | 1.49 | 29.50 |
| 22-137-54 ... AluFix BP | 270/45 | 1.22 | 25.40 |
| 22-137-59 ... AluFix BP | 270/40 | 1.08 | 23.40 |
| 22-137-74 ... AluFix BP | 270/25 | 0.68 | 17.60 |



| | | | |
|-------------------------------|--------------|------------|-------|
| 22-138-09 ... AluFix BP | 250/90 | 2.25 | 42.10 |
| 22-138-24 ... AluFix BP | 250/75 | 1.88 | 35.50 |
| 22-138-44 ... AluFix BP | 250/55 | 1.38 | 27.90 |
| 22-138-54 ... AluFix BP | 250/45 | 1.13 | 24.00 |
| 22-138-59 ... AluFix BP | 250/40 | 1.00 | 22.10 |
| 22-138-74 ... AluFix BP | 250/25 | 0.63 | 16.50 |



| | | | |
|-------------------------------|--------------|------------|-------|
| 22-135-09 ... AluFix BP | 150/90 | 1.35 | 25.80 |
| 22-135-24 ... AluFix BP | 150/75 | 1.13 | 22.00 |
| 22-135-44 ... AluFix BP | 150/55 | 0.83 | 17.60 |
| 22-135-54 ... AluFix BP | 150/45 | 0.68 | 15.30 |
| 22-135-59 ... AluFix BP | 150/40 | 0.60 | 14.20 |
| 22-135-74 ... AluFix BP | 150/25 | 0.38 | 9.80 |



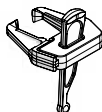
| | | | |
|-------------------------------|--------------|------------|-------|
| 22-139-09 ... AluFix BP | 135/90 | 1.22 | 22.40 |
| 22-139-24 ... AluFix BP | 135/75 | 1.01 | 19.30 |
| 22-139-44 ... AluFix BP | 135/55 | 0.74 | 15.20 |
| 22-139-54 ... AluFix BP | 135/45 | 0.61 | 13.00 |
| 22-139-59 ... AluFix BP | 135/40 | 0.54 | 12.00 |
| 22-139-74 ... AluFix BP | 135/25 | 0.34 | 9.00 |



EA assembly lock

Galvanized. Tightly connects and aligns AluFix and EcoAs panels.
Clamping length 4.6 cm.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-205-50 ... | EA-assembly lock | 1.50 |

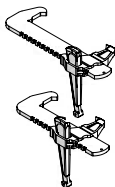


Wall formwork

Uni-assembly lock

Galvanized. For stepless compensation.
Clamping length 22 cm or 28 cm.

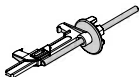
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-400-85 ... | Uni-assembly lock 22..... | 3.60 |
| 29-400-90 ... | Uni-assembly lock 28..... | 3.90 |



E-Uni-assembly lock

Galvanized. For stepless compensation.
Clamping length max. 22 cm.

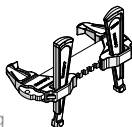
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-103-60 ... | E-Uni-assembly lock..... | 2.00 |



RS-assembly lock

Galvanized, For stepless length compensation.
Clamping length is 11.9 to 20.5 cm for stepless compensation.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 23-807-70 ... | RS-assembly lock..... | 4.70 |



Transition lock AF-ST/AS

Is used as a connecting assembly lock at the joint of AF panels with ST or AS panels. Can be used on the right or left side of inside corner areas by turning the sliding part.

| Ref.-No. | Description / Application | kg |
|---------------|----------------------------------|------|
| 29-103-30 ... | Transition lock AF - ST/AS | 3.20 |

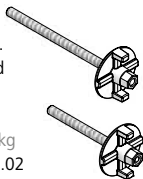


Wall formwork

AluFix

Flange screw

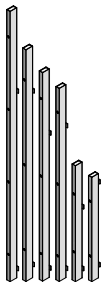
Galvanized. DW thread Ø 15 mm. Is used to attach accessories, e.g. alignment rails, brace frames, push-pull props, etc. Length of thread 18 cm or 27 cm.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-401-10 ... | Flange screw 18 | 1.02 |
| 29-401-12 ... | Flange screw 28 | 1.28 |

AluFix aluminium filler

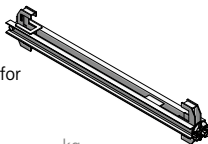
Aluminium with high-quality powder coating. With tie holes. For length compensation of 5 cm, especially in corners. 2 or 3 Uni-assembly locks are required for each filler.



| Ref.-No. | Description / Application | m ² | kg |
|---------------|-------------------------------------|----------------|------|
| 22-155-10... | AluFix aluminium filler 350/5 | 0.18 | 8.63 |
| 22-155-15... | AluFix aluminium filler 300/5 | 0.15 | 7.42 |
| 22-155-20 ... | AluFix aluminium filler 270/5 | 0.14 | 6.71 |
| 22-155-30 ... | AluFix aluminium filler 250/5 | 0.13 | 6.24 |
| 22-155-35 ... | AluFix aluminium filler 150/5 | 0.08 | 3.85 |
| 22-155-40 ... | AluFix aluminium filler 135/5 | 0.07 | 3.50 |

Stop end bracket

Galvanized. Is used to form stop ends. Stop end bracket 23/40 for wall thickness up to 35. Stop end bracket 60/23 for wall thickness up to 75 cm.

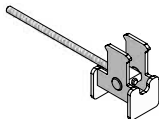


| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------------|-------|
| 29-105-45 ... | Stop end bracket 23/40 | 13.40 |
| 29-105-60 ... | Stop end bracket 2.5' - 60/23 | 19.50 |

Wall formwork

Stop end fixture 23/40

Yellow chromated. Another method of forming a stop end is to use flange nut 100 and alignment rail. In addition, the panels are to be tied on the outside.



| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 79-402-85 | ... Stop end fixture 23/40 (yellow)..... | 3.00 |

Plug D20

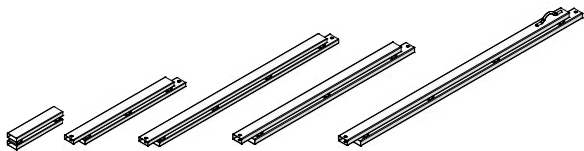
Is used to close unused tie holes (AluFix, EcoAs, AluStar and StarTec).



| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------------|------|
| 29-902-63 | ... Plug D20 red | 0.01 |
| 29-902-62 | ... Plug D20 without imprint..... | 0.01 |

Alignment rail

Galvanized. Is used to brace panel joints for crane ganging, bridge problem areas, brace compensation areas and build stop ends with stop end fixtures. Is attached to the formwork with flange screws.



| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------------|-------|
| 29-201-73 | ... AS-alignment rail 50, galv..... | 5.20 |
| 29-201-75 | ... AS-alignment rail 125, galv..... | 10.50 |
| 29-201-80 | ... AS-alignment rail 200, galv..... | 19.00 |
| 29-400-92 | ... M-alignment rail 180, galv..... | 24.80 |
| 29-402-50 | ... M-alignment rail 250, galv..... | 34.50 |

Wall formwork

Support angle for walkway brackets

Galvanized. Is used to support a walkway bracket if the DW-nut on the multi-function profile is covered by an alignment rail. In this case the mounting bracket is fixed to the panel through the alignment rail by a separate flange screw.



| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-106-95 | ... Support angle for walkway brackets..... | 2.70 |

Tie rod DW 15/90

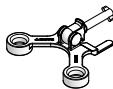
Uncoated, not weldable. DW thread \varnothing 15 mm. Adm. load capacity 90 kN (DIN 18216). Is used to tie panels of a double-sided formwork.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-900-80 | ... Tie rod DW 15/90..... | 1.25 |

Tie rod fixture

Galvanized. To hold DW tie rods with articulated flange nut, XT tie rods or XT taper ties. Can be used with horizontal or vertical MEVA wall formwork panels.



| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-927-05 | ... Tie rod fixture \varnothing 35 | 1.20 |

Plastic tube

Plastic spacer tube for tie holes. Two cones are also required per tie hole. Internal \varnothing 22 mm, external \varnothing 28 mm, standard length 2.00 m.



| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------|------|
| 29-902-30 | ... Plastic tube D22/200 | 0.35 |

Wall formwork

Cone for plastic tube

Available with 10 mm or 30 mm covering.



| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-902-40 | ... Cone for plastic tube D22/10 (10 mm covering) | 0.01 |
| 29-902-50 | ... Cone for plastic tube D22/30 (30 mm covering) | 0.01 |

Plug

Is used to close tie holes in the wall when plastic tubes D22 are applied. Two plugs are required per tie hole.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-902-70 | ... Plug D22 | 0.01 |

Articulated flange nut 15/120

Forged, galvanized. DIN 18218. DW thread \varnothing 15 mm, plate \varnothing 120 mm, max. inclination 10° , SW 27. Max. load capacity 90 kN. Reduces wear of panel coating.



| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-900-10 | ... Articulated flange nut 15/120 (SW 27) | 1.81 |
| 29-900-18 | ... Articulated flange nut AF - ST/AS | 2.32 |

Flange nut 100

Forged, galvanized. For DW tie rods with 15 mm \varnothing . Plate \varnothing 100 mm, SW 27. Admissible load capacity 90 kN (DIN 18216).



| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-900-20 | ... Flange nut 100 (SW 27, forged) | 0.70 |

Wall formwork

Spanner SW 27

Inset yellow chromated. Spanner width (SW) 27 mm. Is used to tighten and loosen flange nuts 100, articulated flange nuts 15/120 and flange screws.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-800-10 | ... Spanner SW 27 | 1.80 |

Drive nut 60

Galvanized. DW thread Ø 15 mm, plate Ø 60 mm. Adm. load capacity 90 kN (DIN 18216). Is used to tie the formwork to the ground or to a wall connection.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-900-23 | ... Drive nut 60 | 0.50 |

Tie claw 23

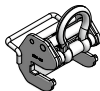
Galvanized. Permits tying (with tie rod DW 15 and flange nut 100) directly above or beside EcoAs and AluFix panels.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-901-44 | ... Tie claw 23..... | 0.17 |

EA/AF crane hook

Coated. Is used to move and crane-gang AluFix and EcoAs panels. Self-locking. Load capacity 6 kN (600 kg). Always two crane hooks required per gang. Refer to the crane hook Operating Instructions for application and safety test.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-103-05 | ... EA/AF crane hook..... | 5.89 |

Wall formwork

Brace frame 250

Galvanized. Available with formwork-prop connector. Is used to align and brace the formwork. Consists of a push-pull prop R 250 (190 - 320 cm), a brace SRL 120 (90 - 150 cm) and a double-jointed footplate. The formwork-prop connectors are attached to the formwork with flange screws 18.



| Ref.-No. | Description / Application | kg |
|---------------|--|-------|
| 29-109-20 ... | Brace frame 250 with formwork-prop connector.... | 31.50 |

Formwork-prop connector

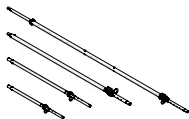
Galvanized. Connects braces, brace frames and push-pull props (max. Ø 48 mm) to the multi-function profile with a flange screw 18. Delivery includes head bolt 16/90 and cotter pin 4.



| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------|------|
| 29-804-85 ... | Formwork-prop connector | 1.65 |

Push-pull prop R

Galvanized. Guarantee tensile and compression strength. Align and brace wall formwork. Length of thread 20.6 cm. Foot plates and formwork-prop-connectors to be ordered separately.

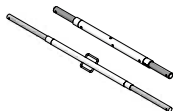


| Ref.-No. | Description / Application | kg |
|---------------|--|-------|
| 29-109-40 ... | Push-pull prop R 160 ..(135-200) | 12.60 |
| 29-109-60 ... | Push-pull prop R 250 ..(190-320) | 17.20 |
| 29-109-80 ... | Push-pull prop R 460 ..(340-520) | 34.00 |
| 29-109-85 ... | Push-pull prop R 630 ..(510-760) | 57.00 |

Wall formwork

Braces SRL

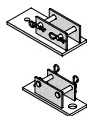
Galvanized. Guarantee tensile and compression strength. With right-hand and left-hand spindle and revolving centre part. Align and brace wall formwork. Foot plates and formwork-prop-connectors to be ordered separately.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------------|-------|
| 29-108-80 ... | Brace SRL 120(90-150)..... | 8.79 |
| 29-108-90 ... | Brace SRL 170(120-220) | 11.50 |

Foot plate

Galvanized. With head bolt 16/90 and cotter pin 4. Serves as foot plate for brace frames 250 and as connector for braces and push-pull props up to Ø 57 mm.



| Ref.-No. | Description / Application | kg |
|----------------|--|------|
| 29-402-32..... | Double-jointed foot plate (prop diam. up to 57 mm) | 4.00 |
| 79-427-50..... | Foot plate 60 (prop diam. up to 57 mm) | 3.00 |

Articulated foot plate

Galvanized. With head bolt 16/90 and cotter pin 4. For push-pull props and braces of up to Ø 57 mm.



| Ref.-No. | Description / Application | kg |
|---------------|---|------|
| 29-802-48 ... | Articulated foot plate (prop diam. up to 57 mm) | 2.30 |

Wall formwork

Head bolt 16/90

Galvanized. Is used to attach push-pull props and braces to foot plates and formwork-prop connectors.



| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------|------|
| 42-413-50 | ... Head bolt 16/90, galv..... | 0.17 |

Cotter pin 4

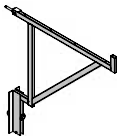
Galvanized. Locks the head bolt.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 62-010-04 | ... Cotter pin 4..... | 0.02 |

Walkway bracket

Galvanized, yellow, pluggable. Is used as working and safety scaffold. Is attached to the multi-function profile and secured to the multi-function profile below with a flange screw 18. The planking can be mounted to the brackets. Working width approx. 90 cm. MEVA Guardrailing post is also required. Bracket spacing depends on type of planking (DIN 4420).

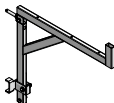


| Ref.-No. | Description / Application | kg |
|-----------|--|-------|
| 29-106-00 | ... Walkway bracket 90 (yellow), galv..... | 10.30 |

Wall formwork

Walkway bracket 65

Galvanized, pluggable. Adapted in particular to AluFix and EcoAs. Is used as working and safety scaffold. Is plugged into the multi-function profile while the sliding part rests on the cross stiffener – no flange screw needed. The planking can be mounted to the brackets. Working width approx. 65 cm. A MEVA guard-railing post is required in addition. Bracket spacing depends on type of planking (DIN 4420).

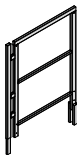


| Ref.-No. | Description / Application | kg |
|--------------|---------------------------|------|
| 29-106-15... | Walkway bracket 65..... | 4.80 |

Side railing

Galvanized. Is plugged into the walkway bracket.

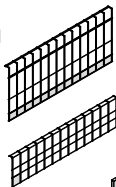
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|-------|
| 29-108-20 ... | Side railing 90/100, galv. | 12.30 |
| 29-108-15.... | Side railing 65/100, galv. | 10.50 |



Safety mesh

Painted steel. Robust steel mesh with reinforced edges and closed steel sheet to prevent small items from falling down. The mesh replaces railings, toe board and net in one single part. DIN EN 13374 Class A.

| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|-------|
| 29-920-00 ... | Safety mesh 1100/2490 | 15.00 |
| 29-920-05 ... | Safety mesh 600/2490 | 9.80 |



Guardrailing post

Galvanized. Is plugged into the walkway bracket.

| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-106-75 ... | Guard-railing post 100 | 3.70 |
| 29-106-85 ... | Guard-railing post 140 | 4.70 |



Wall formwork

AluFix

Guardrailing post 48

Galvanized. With manifold to be plugged into the walkway bracket and with 48 mm Ø tube to attach scaffold couplers.

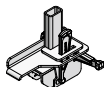
| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------------|------|
| 29-106-80 ... | Guard-railing post 48/120 (UK)..... | 5.50 |



Tilting bracket 23

Galvanised. Used to attach MEVA guardrailing posts to create a fall protection system. It can be set up vertically to facilitate the installation of safety meshes or railing boards or inclined by 15° to create a larger working area. Secured with a wedge to the frame profile of 23 mm.

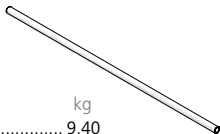
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-920-84 ... | Tilting bracket 23 | 4.90 |



Scaffold tube

Galvanized. Is used as hand-rail / mid-rail in combination with guardrailing post 48.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-412-23 ... | Scaffold tube 48/200..... | 9.40 |
| 29-412-26 ... | Scaffold tube 48/300..... | 14.10 |
| 29-412-27 ... | Scaffold tube 48/400..... | 18.80 |
| 29-412-25 ... | Scaffold tube 48/500..... | 23.50 |
| 29-412-28 ... | Scaffold tube 48/600..... | 28.20 |



Swivel-joint coupler 48/48

Galvanized. Connects 2 scaffold tubes with Ø 48.3 mm at any angle required.

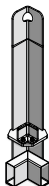
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|------|
| 29-412-52 ... | Swivel-joint coupler 48/48..... | 1.20 |



Wall formwork

Stacking angle 60/40/23

Steel, galvanized. Used to stack and transport two to five wall formwork panels of the same size with frame profile widths of 60 mm, 40 mm or 23 mm. Four stacking angles 60/40/23 are required for each panel stack. The permissible load capacity per stacking angle is 15 kN (1.5 t). Refer to the stacking angle Operating Instructions for application and safety test.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-305-45 ... | Stacking angle 60/40/23..... | 9.60 |

Safety plug stacks

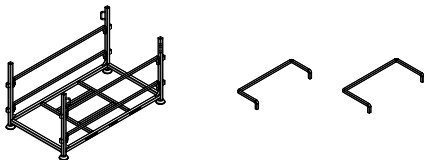
Plastic, black. Secures stacked AluFix, EcoAs, AluStar and StarTec panels.

| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------------|------|
| 40-131-10.... | Safety plug AS/ST stacks, black..... | 0.04 |



Eco stacking rack for panels

Made of steel, galvanized. The rack is used to stack formwork panels (placed vertically, side by side) and is provided with crane eyes. For 10 panels with a profile height of 10 cm or 8 panels with a profile height of 12 cm.
 4 retaining brackets 270/405 are used for panel height 270 cm.
 4 retaining brackets 300/555 are used for panel height 300 cm



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------------|-------|
| 29-132-70 ... | Eco stacking rack for panels | 85.00 |
| 29-132-72 ... | Eco retaining bracket 270/405..... | 2.00 |
| 29-132-74 ... | Eco retaining bracket 300/555..... | 3.00 |

Wall formwork

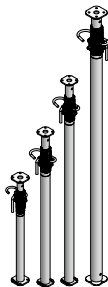
AluFix slab formwork

AluFix used as slab formwork

EuMax 30

Galvanized. According to European Standard EN 1065, class E. Admissible load capacity 30 kN. Higher load capacities are permitted when used with MEVA formwork (see the MevaDec Technical Instruction Manual).

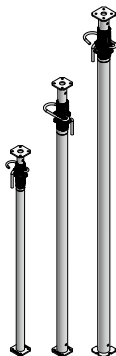
| Ref.-No. | Description / Application | kg |
|---------------|----------------------------------|-------|
| 29-907-46 ... | EuMax 30/150.....(98-150)..... | 10.40 |
| 29-907-51 ... | EuMax 30/250.....(152-250) | 18.10 |
| 29-907-61 ... | EuMax 30/350.....(202-350) | 23.00 |
| 29-907-62 ... | EuMax 30/450.....(252-450) | 32.40 |



EuMax 20

Galvanized. According to the European Standard EN 1065, class D. The admissible load capacity is 20 kN at any extension. Higher load capacities are permitted when used with MEVA formwork (see the MevaDec Technical Instruction Manual).

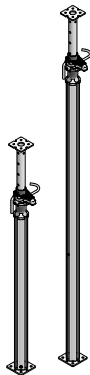
| Ref.-No. | Description / Application | kg |
|---------------|----------------------------------|-------|
| 29-907-36 ... | EuMax 20/300.....(177-300) | 16.90 |
| 29-907-41 ... | EuMax 20/400.....(232-400) | 23.80 |
| 29-907-45 ... | EuMax 20/550.....(302-550) | 37.00 |



Wall formwork

MEP prop with SAS

The MEP prop has a steel inner tube and an aluminium outer tube with a T-groove to attach reinforcing frames. The SAS quick-lowering system allows the stress in the prop to be released with one strike of a hammer. After stripping the prop automatically resets and locks in the original position. According to European standard EN 1065 class E, the MEP 300 props with SAS have a load capacity of 40 kN at all extensions. The MEP 450 props with SAS have a load capacity of 20 kN; if assembled with the inner tube downwards, the load capacity increases to 30 kN.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------------|-------|
| 29-907-70 ... | MEP-prop 450 with SAS (300-450) | 34.30 |
| 29-907-65 ... | MEP-prop 300 with SAS (185-300) | 26.70 |

AluFix prop head

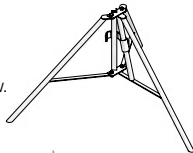
Painted. Supports AluFix panels for slabs up to 46 cm thick. The prop head is plugged to the prop's head or foot plate and secured with pin 14/90e (or with pin 14/135 to the outer tube of the MEP prop).



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-202-80 ... | AF-prop head | 1.53 |

Tripod

Galvanized auxiliary to stabilize props with \varnothing 48 to 80 mm. The turnable legs allow the tripod to be used in rooms, along walls or in corners. The tripod can be attached to the aluminium profile of the MEP props with the MD safety claw.



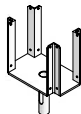
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-905-50 ... | Tripod | 8.00 |
| 29-905-52 ... | Tripod 120 | 17.70 |

Wall formwork

AluFix

Forked prop head

Galvanized. Supports H20 formwork girders. Is attached to EuMax props with pin 14/90e or to MEP props with pin 14/135.



| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|------|
| 29-206-40 ... | Forked prop head H20 | 3.00 |

Pin

Galvanized. Is used to attach AF prop heads to the props. Pin 14/90e is used for steel tube props up to Ø 63 mm. Pin 14/135 is used with the aluminium profile of MEP props and MEP extension pieces.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-803-55 ... | Pin 14/90e..... | 0.15 |
| 29-909-90 ... | Pin 14/135 | 0.18 |

Formwork girder H20

Robust multi-purpose girder for the most different tasks. While the girder itself does not weigh much, it has a high load-bearing capacity (approved by building authorities).

Admissible load: $Q = 11 \text{ kN}$, $M = 5 \text{ kNm}$.

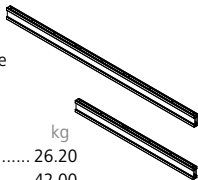


| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------|-------|
| 29-206-02 ... | Formwork girder H20/245 | 12.30 |
| 29-206-05 ... | Formwork girder H20/290 | 14.50 |
| 29-206-10 ... | Formwork girder H20/330 | 16.50 |
| 29-206-20 ... | Formwork girder H20/390 | 19.50 |
| 29-206-30 ... | Formwork girder H20/450 | 22.50 |
| 29-206-45 ... | Formwork girder H20/490 | 24.50 |
| 29-206-48 ... | Formwork girder H20/590 | 29.50 |

Wall formwork

MEVA alu-beam 20/245

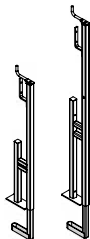
Robust aluminium girder with integrated plastic bar. Usable for different applications. High load capacity thanks to stable form. Load: Q (cross force) = 39.73 kN, adm. M = 25.96 kN.



| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|-------|
| 29-216-15 ... | MEVA alu-beam 20/245 | 26.20 |
| 29-216-45 ... | MEVA alu-beam 20/390 | 42.00 |

Railing clamp

Coated. Can be clamped to all types of beams and to free slab edges.
 Railing clamp 100: 100 cm high, clamping length 45 cm.
 Railing clamp 140: 140 cm high, clamping length 50 cm.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-107-20 ... | Railing clamp 100..... | 7.90 |
| 29-107-25 ... | Railing clamp 140..... | 10.10 |

Ladder access

see Mammut XT page 127

 **meva**

StarTec XT

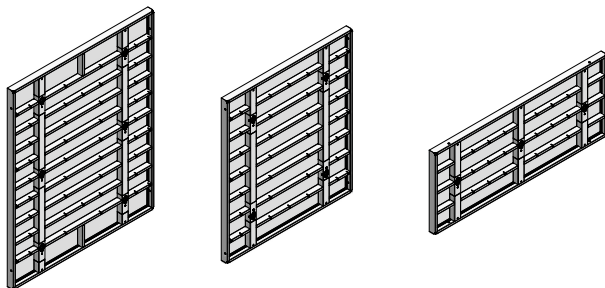
Wall formwork



Wall formwork

StarTec XT panels

Galvanized and post-treated. Frame profile height 12 cm, frame profile depth 60 mm. The frames of the StarTec XT panels consist of closed, torsionally rigid steel profiles. All-around grooves guarantee a stepless, tight and perfectly aligned panel connection using AS assembly locks. The permanently installed, internal and recessed XT tie holes with rotating body enable both single-sided as well as conventional, two-sided tying. All cross stiffeners are equipped with DW threaded nuts and serve as multi-function profiles, allowing easy, fast and safe attachment of accessories. The StarTec XT panels are equipped with alkus facing.



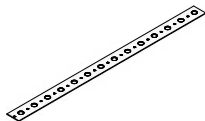
| Ref.-No. | Description / Application | m ² | kg |
|---------------|-------------------------------------|----------------|--------|
| 21-201-01 ... | StarTec XT AL 20330/270 | 8.91 .. | 540.00 |
| 21-201-06 ... | StarTec XT AL 20330/135 | 4.46 .. | 303.00 |
| 21-201-11 ... | StarTec XT AL 17330/90 | 2.97 .. | 172.00 |
| 21-201-41 ... | StarTec XT AL 17330/60 | 1.98 .. | 114.50 |
| 21-201-53 ... | StarTec XT AL 17330/49 | 1.62 .. | 102.50 |
| 21-201-56 ... | StarTec XT AL 17330/45 | 1.49 | 98.30 |
| 21-201-71 ... | StarTec XT AL 17330/30 | 0.99 | 77.00 |

Wall formwork

| | | | |
|--------------------------------------|---------------|-----------|--------|
| 21-202-03 ... StarTec XT AL 20 | 270/240 | 6.48 .. | 401.40 |
| 21-202-06 ... StarTec XT AL 20 | 270/135 | 3.65 .. | 242.45 |
| 21-202-11 ... StarTec XT AL 17 | 270/90 | 2.43 .. | 119.00 |
| 21-202-41 ... StarTec XT AL 17 | 270/60 | 1.62 | 86.55 |
| 21-202-53 ... StarTec XT AL 17 | 270/49 | 1.32 | 78.25 |
| 21-202-56 ... StarTec XT AL 17 | 270/45 | 1.22 | 76.00 |
| 21-202-71 ... StarTec XT AL 17 | 270/30 | 0.81 | 61.30 |
| | | | |
| 21-203-01 ... StarTec XT AL 20 | 135/330 | 4.46 .. | 294.00 |
| 21-203-03 ... StarTec XT AL 20 | 135/240 | 3.24 .. | 214.65 |
| 21-203-06 ... StarTec XT AL 20 | 135/135 | 1.82 .. | 129.00 |
| 21-203-11 ... StarTec XT AL 17 | 135/90 | 1.22 | 62.85 |
| 21-203-41 ... StarTec XT AL 17 | 135/60 | 0.81 | 45.85 |
| 21-203-53 ... StarTec XT AL 17 | 135/49 | 0.66 | 41.85 |
| 21-203-56 ... StarTec XT AL 17 | 135/45 | 0.61 | 41.10 |
| 21-203-71 ... StarTec XT AL 17 | 135/30 | 0.41 | 31.50 |

Foundation tape

Galvanized, hole spacing 50 mm, hole Ø 16 mm, length 50 m, to be cut at hole centre, permissible tensile force 10 kN. Serves together with the appropriate tensioner as the lower anchor of horizontal panels.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-307-50 ... | Foundation tape 50 m..... | 20.00 |

Tensioner AS/ST for foundation tape

Galvanized. Connects the foundation tape to AluStar or StarTec panels and serves as bottom anchoring when panels are assembled in horizontal position. Two tensioners are required per anchoring position.



| Ref.-No. | Description / Application | kg |
|---------------|---|------|
| 29-307-70 ... | Tensioner AS/ST for foundation tape | 1.35 |

Wall formwork

Trolley for foundation tape

Not shown. Galvanized. Is used to transport and cut foundation tape to length. Suitable for one roll. Pneumatic wheels.

| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------------|-------|
| 29-307-55 ... | Trolley for foundation tape | 21.80 |

AS/ST aluminium filler

Aluminium with high-quality annealed powder coating. With tie holes. For length compensation of 5 cm, especially in corners. 2 or 3 Uni-assembly locks are required for each filler.

| Ref.-No. | Description / Application | m ² | kg |
|---------------|-----------------------------------|----------------|-------|
| 21-270-57 ... | AS/ST aluminium filler 330/8..... | 0.26 | 11.00 |
| 21-270-56 ... | AS/ST aluminium filler 330/6..... | 0.20 | 9.90 |
| 21-270-58 ... | AS/ST aluminium filler 330/5..... | 0.17 | 9.41 |
| 21-270-54 ... | AS/ST aluminium filler 330/4..... | 0.13 | 8.70 |
| 21-270-62 ... | AS/ST aluminium filler 270/8..... | 0.22 | 9.10 |
| 21-270-61 ... | AS/ST aluminium filler 270/6..... | 0.16 | 8.10 |
| 21-270-60 ... | AS/ST aluminium filler 270/5..... | 0.14 | 7.73 |
| 21-270-59 ... | AS/ST aluminium filler 270/4..... | 0.11 | 7.20 |
| 21-270-67 ... | AS/ST aluminium filler 135/8..... | 0.11 | 4.80 |
| 21-270-66 ... | AS/ST aluminium filler 135/6..... | 0.08 | 4.20 |
| 21-270-65 ... | AS/ST aluminium filler 135/5..... | 0.07 | 4.00 |
| 21-270-64 ... | AS/ST aluminium filler 135/4..... | 0.05 | 3.70 |



Wall formwork

AS/ST timber profile

Timber profile with groove. Is used for job-built fillers of 14 cm or more or to connect job-built formwork with 21 mm forming face. 2 or 3 AS assembly locks are required for each timber profile. Delivery and weight by pairs.

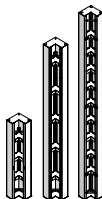
| Ref.-No. | Description / Application | kg |
|---------------|----------------------------------|------|
| 29-200-07 ... | AS/ST-timber profile 330/21..... | 6.40 |
| 29-200-03 ... | AS/ST-timber profile 270/21..... | 5.50 |
| 29-200-05 ... | AS/ST-timber profile 135/21..... | 2.70 |



StarTec inside corner

For 90° corners. Side length 25 cm. Steel frame with tie holes and alkus facing or exchangeable steel sheet.

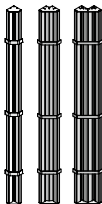
| Ref.-No. | Description / Application | m ² | kg |
|---------------|---------------------------------|----------------|-------|
| 21-251-00 ... | StarTec AL-IC330/25 | 1.65 | 88.50 |
| 21-251-05 ... | StarTec AL-IC270/25 | 1.35 | 68.00 |
| 21-251-35 ... | StarTec AL-IC135/25 | 0.68 | 38.00 |



AS/ST outside corner

Aluminium. Facing 0 cm, 5 cm or 10 cm wide on both sides, integrated chamfer strip. Provides together with StarTec XT panels and AS assembly locks a fast and tight outside corner assembly for 90° angles.

| Ref.-No. | Description / Application | m ² | kg |
|---------------|--------------------------------------|----------------|-------|
| 22-140-48 ... | AS/ST outside corner alu 330/10..... | 0.66 | 31.93 |
| 22-140-15.... | AS/ST outside corner alu 330/5..... | 0.33 | 19.71 |
| 22-140-10.... | AS/ST outside corner alu 330..... | | 15.60 |
| 22-140-50 ... | AS/ST outside corner alu 270/10..... | 0.54 | 26.30 |
| 22-140-25 ... | AS/ST outside corner alu 270/5..... | 0.27 | 16.20 |
| 22-140-20 ... | AS/ST outside corner alu 270..... | | 13.00 |
| 22-140-52 ... | AS/ST outside corner alu 135/10..... | 0.27 | 13.60 |
| 22-140-35 ... | AS/ST outside corner alu 135/5..... | 0.14 | 8.50 |
| 22-140-30 ... | AS/ST outside corner alu 135..... | | 6.80 |

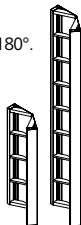


Wall formwork

AS hinged inside corner

Steel construction with steel sheeting. Side length 30 cm. Adjustable angle 60° - 180°.

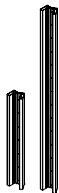
| Ref.-No. | Description / Application | m ² | kg |
|--------------------------------|---------------------------|----------------|--------|
| 21-270-20 ... StarTec HIC..... | 330/30 | 1.98 .. | 118.70 |
| 21-270-00 ... AluStar HIC..... | 270/30 | 1.62 | 75.00 |
| 21-270-10 ... AluStar HIC..... | 135/30 | 0.81 | 38.20 |



AS hinged outside corner

Steel construction with steel sheeting. Side length 7.5 cm. Adjustable angle 60° - 180°.

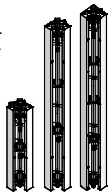
| Ref.-No. | Description / Application | m ² | kg |
|--------------------------------|---------------------------|----------------|-------|
| 21-280-20 ... StarTec HOC..... | 330/7.5 | 0.50 | 60.30 |
| 21-280-00 ... AluStar HOC..... | 270/7.5 | 0.41 | 47.70 |
| 21-280-10 ... AluStar HOC..... | 135/7.5 | 0.20 | 23.80 |



StarTec stripping corner

Steel construction with steel sheeting. Side length 25 cm. With tie holes. When the bell-crank lever is pushed upwards with a crowbar, the corner is removed 17.5 mm away from the concrete and the formwork 35 mm away from the concrete on both sides.

| Ref.-No. | Description / Application | m ² | kg |
|--------------------------------|---------------------------|----------------|--------|
| 21-262-05 ... StarTec SC | 330/25 | 1.65 .. | 172.00 |
| 21-262-10 ... StarTec SC | 270/25 | 1.35 .. | 146.00 |
| 21-262-30 ... StarTec SC | 135/25 | 0.68 | 82.00 |



Adhesive tape, red

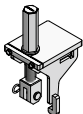
Not shown. Reinforced adhesive tape, red, 50 mm wide, 50 running metres. Total thickness: 270 µm. Natural rubber adhesive on one side. PE-coated.

| Ref.-No. | Description / Application | kg |
|---|---------------------------|------|
| 41-912-10 ... Adhesive tape 50 m, red | | 0.83 |

Wall formwork

Stripping corner tool

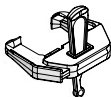
Is used to easily activate the stripping corner from above. It can be activated and returned to its original position. It is operated with a power screwdriver, a ratchet wrench or a spanner (SW 36).



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 29-306-32 ... | Stripping corner tool | 6.60 |

AS assembly lock

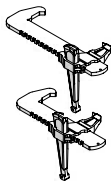
Galvanized. Tightly connects and aligns AluStar and StarTec panels. Clamping length 8 cm.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-205-00 ... | AS assembly lock | 2.00 |

Uni-assembly lock

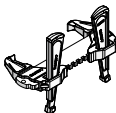
Galvanized. For stepless compensation. Clamping length 22 cm or 28 cm.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-400-85 ... | Uni-assembly lock 22..... | 3.60 |
| 29-400-90 ... | Uni-assembly lock 28..... | 3.90 |

RS assembly lock

Galvanized, For stepless length compensation. Clamping length is 11.9 to 20.5 cm for stepless compensation.

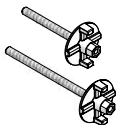


| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 23-807-70 ... | RS assembly lock | 4.70 |

Wall formwork

Flange screw

Galvanized. Is used to attach accessories, e.g. alignment rails, brace frames, push-pull props, etc. Length of thread 18 cm or 27 cm.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-401-10 | ... Flange screw 18 | 1.02 |
| 29-401-12 | ... Flange screw 28 | 1.28 |

M cross stiffener 44

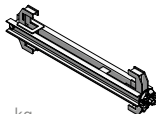
Galvanized. Short alignment rail used to brace panel joints for crane ganging and to reinforce length compensations.



| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------|------|
| 29-401-02 | ... M cross stiffener 44..... | 6.30 |

Stop end bracket

Galvanized. Is used to form stop ends. Stop end bracket 23/40 for wall thickness up to 30 cm. Stop end bracket 40/60 for wall thickness up to 40 cm.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------|-------|
| 29-105-50 | ... Stop end bracket 40/60..... | 15.10 |
| 29-105-45 | ... Stop end bracket 23/40..... | 13.40 |

Plug D20

Is used to close unused tie holes.

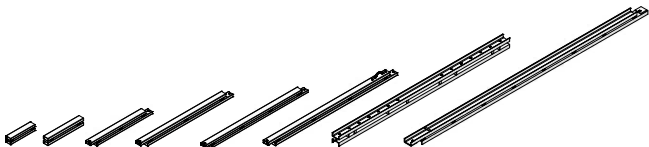
| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------------|------|
| 29-902-63 | ... Plug D20 red | 0.01 |
| 29-902-71 | ... Plug D35/38..... | 0.01 |
| 29-902-72 | ... Plug D35/38 without imprint..... | 0.01 |
| 29-902-62 | ... Plug D20 without imprint..... | 0.01 |



Wall formwork

Alignment rail

Galvanized. Is used to brace panel joints for crane ganging, bridge problem areas, brace compensation areas and build stop ends with stop end fixtures. Is attached to the formwork with flange screws.



| Ref.-No. | Description / Application | kg |
|-----------|---|--------|
| 29-201-73 | ... AS-alignment rail 50, galv..... | 5.20 |
| 29-400-95 | ... M-alignment rail 75, galv..... | 11.00 |
| 29-201-75 | ... AS-alignment rail 125, galv..... | 10.50 |
| 29-400-92 | ... M-alignment rail 180, galv..... | 24.80 |
| 29-201-80 | ... AS-alignment rail 200, galv..... | 19.00 |
| 29-402-50 | ... M-alignment rail 250, galv..... | 34.50 |
| 29-402-45 | ... M-alignment rail 350, reinforced..... | 124.00 |
| 29-402-38 | ... M-alignment rail 450, reinforced..... | 159.00 |

Support angle for walkway brackets

Galvanized. Is used to support a walkway bracket if the DW-nut on the multi-function profile is covered by an alignment rail. In this case the mounting bracket is fixed to the panel through the alignment rail by a separate flange screw.



| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-106-95 | ... Support angle for walkway brackets..... | 2.70 |

Wall formwork

Spacer

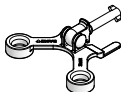
aluminum-sheet to maintain the distance between the wall thickness. Is inserted between the formwork at the top. For wall thickness 25 cm and 30 cm or 20 cm and 24 cm.



| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|------|
| 29-901-62 ... | Spacer 25/30 AL20/17 | 0.72 |
| 29-901-52 ... | Spacer 20/24 AL20/17 | 0.60 |

Tie rod fixture

Galvanised. To hold DW tie rods with articulated flange nut, XT tie rods or XT taper ties. Can be used with horizontal or vertical MEVA wall formwork panels.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-927-05 ... | Tie rod fixture Ø35 | 1.20 |

XT tie rod DW 20

Uncoated, with DW 20 thread. DIN 18216, not weldable. Used for single-sided and conventional tying of panels on double-sided formwork. Permissible load 160 kN. With integrated articulated flange nut. Length = 75 cm for wall thickness up to 40 cm, Length = 120 cm for wall thickness up to 85 cm.



| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|------|
| 23-154-35 ... | XT tie rod DW 20/75 | 4.75 |
| 23-154-40 ... | XT tie rod DW 20/120 | 5.89 |

Wall formwork

XT cone DW 20

PE; used on the initial formwork of StarTec XT when using the XT tie rod DW 20 in order to set the distance. Replaces XT sleeve (29-902-36).



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-902-37 | ...XT cone DW 20..... | 0.02 |

Plastic tube

Plastic tube for use as an anchor sleeve for a XT tie rod DW 20.

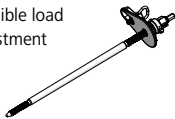
| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------|------|
| 29-902-31 | ... Plastic tube D22/200 | 0.44 |
| 29-902-03 | ... Plastic tube D23/18 | 0.04 |
| 29-902-04 | ... Plastic tube D23/23 | 0.05 |
| 29-902-05 | ... Plastic tube D23/28 | 0.06 |
| 29-902-06 | ... Plastic tube D23/33 | 0.08 |



XT taper tie 23/...

Coated, with DW thread and conical, smooth middle section. Used for single-sided tying of panels on double-sided formwork. Permissible load 160 kN. With Adjustment screw for precise wall thickness adjustment between 15 - 25 cm, 20 - 30 cm, 35 - 45 cm, 45 - 55 cm and 60 - 70 cm.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------|------|
| 23-154-60 | ... XT taper tie 23/15-25 | 5.71 |
| 23-154-65 | ... XT taper tie 23/20-30 | 5.94 |
| 23-154-70 | ... XT taper tie 23/35-45 | 6.63 |
| 23-154-75 | ... XT taper tie 23/45-55 | 7.10 |
| 23-154-80 | ... XT taper tie 23/60-70 | 7.90 |



Wall formwork

XT taper tie Ratchet spanner Set

Not shown, tool set used to tighten and loose XT taper ties. It consists of: Ratchet spanner, chrome-plated and polished, length 53 cm. Spanner socket AF17, black-oxidized for XT taper ties 20. Spanner socket AF19, black-oxidized for XT taper ties 23.

| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-800-25 | ...XT taper tie Ratchet spanner Set | 3.00 |

Divinol Wax

Not shown. Paste-like solvent-based wax suitable for all formwork (wood, steel, plastic-coated). Rain resistant. Recommended for use on the XT taper ties.

| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------|------|
| 29-203-30 | ... Divinol pasty wax | 1.10 |

FB-Aktivstop XT 20 SET

Plug made of fibre concrete with an integrated expansion seal to close tapered openings in the wall incl. hammering aid. Only suitable for XT taper tie 20/...

| Ref.-No. | Description / Application | kg |
|-----------|----------------------------------|------|
| 29-902-41 | ... FB-Aktivstop XT 20 SET | 3.50 |

XT taper tie seal kit

Cylindric jacking ring with EPDM sealing washer and aluminium thread bolt M8, diam. 23 or 24 mm, length 80 mm. Used for subsequent sealing of XT taper tie anchor points in the wall (watertight).

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------------|------|
| 29-902-38 | ... XT taper tie seal kit 23x80 | 0.08 |

Wall formwork

XT wrench for seal kit

Not shown. Wrench with depth stop incl. socket 13x65 mm for the installation of XT-Taper tie seal kits, for wall thickness up to 50 cm. Wrench size 13 mm. In order to accomplish the correct tightening of 14 Nm we recommend the application of a torque wrench.

| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------|------|
| 23-154-97 | ...XT wrench for seal kit..... | 0.22 |

XT sealing cone

Plastic. Used to seal the tie holes when using the XT tie rod and the XT taper tie.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------|------|
| 29-902-35 | ...XT sealing cone 10 AL20..... | 0.01 |
| 29-902-34 | ...XT sealing cone 5 AL20..... | 0.01 |
| 29-902-42 | ...XT sealing cone 10 AL17..... | 0.01 |
| 29-902-33 | ...XT sealing cone 5 AL17..... | 0.01 |



XT fibre concrete plug 47 x 8,5

Nor shown. Made of fibre concrete, to close anchor points on the walls when using XT-seal cones 10 (29-902-35), the plugs are glued in place by concrete glue A + B (53-210-70)

| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-902-82 | ...XT fibre concrete plug 47 x 8,5 | 0.03 |

Concrete glue A + B

Not shown. 2-component concrete glue for fair-faced concrete plugs. Quantity is sufficient for 150 plugs.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------|------|
| 53-210-70 | ... Concrete glue (A + B) | 1.00 |

Wall formwork

XT plug D46

Grey plastic. Used to close the tie holes in the concrete when using XT DW tie rods with plastic tubes or when using XT taper ties. The XT plug D46 is recessed in the shadow gap. Two sealing plugs are required per anchor point.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-902-81 | ...XT plug D46..... | 0.01 |

XT combi-Lever

Galvanized. Used to rotate and adjust the XT tie hole.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 23-154-90 | ...XT combi lever | 0.30 |

Tie rod DW

Uncoated, not weldable; DIN 18216; with DW thread; admissible load capacity 160 kN (Ø 20 mm); is used to tie panels of a double-sided formwork.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-900-97 | ...Tie rod DW 20/120..... | 3.00 |

Articulated flange nut

Forged, galvanized. DIN 18216, with DW thread Ø 20 mm, plate Ø 140 mm, max. inclination 10°, WAF 36 mm. Permissible load 160 kN.



| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-900-05 | ...Articulated flange nut 20/140 | 2.40 |

Wall formwork

Cone for plastic tube

Available with 10 mm covering.



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------------|------|
| 29-902-55 ... | Cone for plastic tube D32/10..... | 0.01 |

Plastic tube D32

Plastic tube for use as an anchor sleeve for a tie rod DW20.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-902-28 ... | Plastic tube D32200 | 0.40 |

Plug

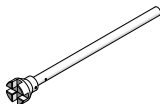
Is used to close tie holes in the wall when plastic tubes D32 are applied.
Two plugs are required per tie hole.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-902-58 ... | Plug D32 | 0.01 |

Tie wrench DW15/DW20

Made of steel, galvanized. Used to screw in, screw out and hold tie rods DW15 and DW20; length 400 mm.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-901-39 ... | Tie wrench DW15/DW20..... | 3.10 |

Wall formwork

Spanner

Yellow chromatised bit. WAF 36 mm. Used to tighten and loosen XT tie rod DW 20 and articulated flange nuts 20/140.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-800-15 ... | Spanner SW 36 | 3.30 |

Uni-tie claw

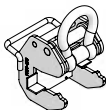
Galvanized. Permits tying directly above or beside the panels. Is suited for panels with profile widths of 40 and 60 mm.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-901-41 ... | Uni-tie claw | 1.52 |

AS crane hook

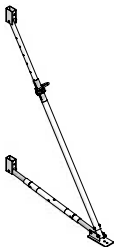
Is used to move panels. Self-locking. Load capacity: 15 kN (1.5 tons). Always 2 crane hooks required per gang. For use and safety check see the Operating Instructions.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-203-89 ... | AS crane hook | 5.95 |

Brace frame 250

Galvanized. Available with formwork-prop connector. Is used to align and brace the formwork. Consists of a push-pull prop R 250 (190 - 320 cm), a brace SRL 120 (90 - 150 cm) and a double-jointed footplate. The formwork-prop connectors are attached to the formwork with flange screws 18.



| Ref.-No. | Description / Application | kg |
|---------------|--|-------|
| 29-109-20 ... | Brace frame 250 with formwork-prop connector.... | 31.50 |

Wall formwork

Formwork-prop connector

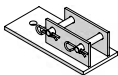
Galvanized. Including head bolt 16/90 and cotter pin 4. Used to connect brace frames, braces and push-pull props to the multi-function profile with flange screw 18. Maximum tube diameter of the braces and push-pull props is 48 mm.



| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------|------|
| 29-804-85 ... | Formwork-prop connector | 1.65 |

Double-jointed foot plate

Galvanized. Delivery includes head bolt 16/90 and cotter pin 4. Serves as foot plate for brace frames 250 and as connector for braces and push-pull props up to Ø 57 mm.



| Ref.-No. | Description / Application | kg |
|----------------|--|------|
| 29-402-32..... | Double-jointed foot plate (prop diam. up to 57 mm) | 4.00 |

Head bolt 16/90

Galvanized. Is used to attach push-pull props and braces to foot plates and formwork-prop connectors.



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 42-413-50 ... | Head bolt 16/90, galv. | 0.17 |

Cotter pin 4

Galvanized. Locks the head bolt.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 62-010-04 ... | Cotter pin 4..... | 0.02 |

Wall formwork

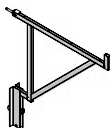
Linchpin clip 4.5

Not shown. Galvanized. Locks the head bolt.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 62-010-03 ... | Linchpin clip 4.5 | 0.01 |

Walkway bracket

Galvanized, yellow, pluggable. Is used as working and safety scaffold. Is attached to the multi-function profile and secured to the multi-function profile below with a flange screw 18. The planking can be mounted to the brackets. Working width approx. 90 cm. MEVA Guard-railing post is also required. Bracket spacing depends on type of planking (DIN 4420).



| Ref.-No. | Description / Application | kg |
|---------------|--|-------|
| 29-106-00 ... | Walkway bracket 90 (yellow), galv..... | 10.30 |

Guard-railing post

Galvanized. Is plugged into the walkway bracket.

| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-106-75 ... | Guard-railing post 100 | 3.70 |
| 29-106-85 ... | Guard-railing post 140 | 4.70 |



Guard-railing post 48

Galvanized. With manifold to attach it to the walkway bracket, designed with tube Ø 48 mm to attach tube couplers.

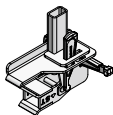
| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------------|------|
| 29-106-80 ... | Guard-railing post 48/120 (UK) | 5.50 |



Wall formwork

Tilting bracket 40/60

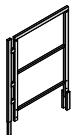
Galvanised. Used to attach MEVA guardrailing posts to create a fall protection system. It can be set up vertically to facilitate the installation of safety meshes or railing boards or inclined by 15° to create a larger working area. Secured with a wedge to the frame profile of 40 and 60 mm.



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 29-920-82 ... | Tilting bracket 40/60 | 4.90 |

Side railing

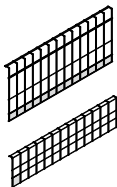
Galvanized. Is plugged into the walkway bracket.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|-------|
| 29-108-20 ... | Side railing 90/100, galv. | 12.30 |

Safety mesh

Painted steel. Robust steel mesh with reinforced edges and closed steel sheet to prevent small items from falling down. The mesh replaces railings, toe board and net in one single part.
DIN EN 13374 Class A.



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|-------|
| 29-920-00 ... | Safety mesh 1100/2490 | 15.00 |
| 29-920-05 ... | Safety mesh 600/2490 | 9.80 |

Universal shoe MFS

Galvanised; forms a fall protection device in conjunction with the MEVA guardrailing post and the safety mesh MFS. Can be used to provide lateral protection on horizontal and vertical components.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-921-72 ... | Universal shoe MFS | 2.10 |

Wall formwork

Scaffold tube

Galvanized. Is used as hand-rail / mid-rail in combination with guard-railing post 48.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-412-23 ... | Scaffold tube 48/200..... | 9.40 |
| 29-412-26 ... | Scaffold tube 48/300..... | 14.10 |
| 29-412-27 ... | Scaffold tube 48/400..... | 18.80 |
| 29-412-25 ... | Scaffold tube 48/500..... | 23.50 |
| 29-412-28 ... | Scaffold tube 48/600..... | 28.20 |



Swivel-joint coupler 48/48

Galvanized. Connects 2 scaffold tubes with Ø 48.3 mm at any angle required.

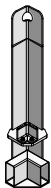
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|------|
| 29-412-52 ... | Swivel-joint coupler 48/48..... | 1.20 |



Stacking angle 60/40/23

Steel, galvanized. Used to stack and transport two to five wall formwork panels of the same size with frame profile widths of 60 mm, 40 mm or 23 mm. Four stacking angles 60/40/23 are required for each panel stack. The permissible load capacity per stacking angle is 15 kN (1.5 t). Refer to the stacking angle Operating Instructions for application and safety test.

| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-305-45 ... | Stacking angle 60/40/23..... | 9.60 |



Wall formwork

Lifting hook 40

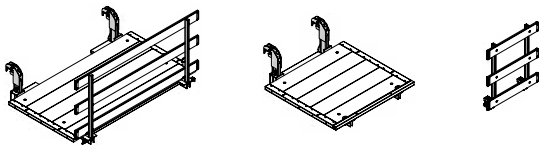
Galvanized. Allows any 4-rope crane slings available on site to be used to move the panel stacks. Always use 4 hooks at a time. Max. load capacity 10 kN (1 ton) per lifting hook. Max. weight of a panel stack 2 tons. Refer to the lifting hook Operating Instructions for application and safety test.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-401-42 ... | Lifting hook 40..... | 1.54 |

Folding access platform BKB 125

Self-locking; ready-made platform with a foldable guard-railing and an overall width of 125 cm; it is suspended onto the frame profile of the panels. The 48 mm thick planking is protected at the front ends. Stacking height 17cm; load capacity 2 kN/m².



| Ref.-No. | Description / Application | kg |
|---------------|--|--------|
| 29-417-10 ... | Folding access platform BKB 125/235..... | 196.00 |
| 29-417-20 ... | Folding access platform BKB 125/300..... | 216.00 |
| 29-417-00 ... | Folding access platform BKB 125/140..... | 114.00 |
| 29-417-30 ... | Side railing BKB 125 | 16.30 |

Ladder access

see Mammut XT page 127

Wall formwork

 **meva**

AluStar



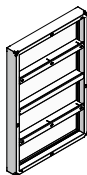
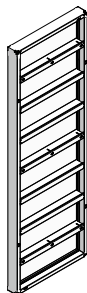
Wall formwork

AluStar

AluStar panels

Construction height 12 cm, frame profile width 40 mm. Two tie holes per panel height 270 cm, one tie holes per panel height 135 cm and 90 cm. Absolutely compatible with StarTec panels. The frames of AS panels are made of closed 2-chamber aluminium profiles and are torsion-proof. Thanks to their high-quality annealed powder coating they are easy to clean. AS panels are equipped with alkus facing and ergonomic grip profiles. All-around grooves and AS assembly locks guarantee a tight and perfectly aligned stepless panel connection. Conical anchor sleeves are welded into the frames. Multi-function profiles allow for an easy, fast and safe attachment of accessories.

| Ref.-No. | Description / Application | m ² | kg |
|---------------|------------------------------|----------------|-------|
| 22-083-01 ... | AluStar AL270/90 | 2.43 | 65.05 |
| 22-084-01 ... | AluStar AL270/75 | 2.03 | 60.20 |
| 22-084-31 ... | AluStar AL270/55 | 1.49 | 48.60 |
| 22-084-34 ... | AluStar AL270/50 | 1.35 | 39.10 |
| 22-084-37 ... | AluStar AL270/49 | 1.32 | 39.00 |
| 22-084-46 ... | AluStar AL270/45 | 1.22 | 36.30 |
| 22-084-56 ... | AluStar AL270/40 | 1.08 | 33.50 |
| 22-084-71 ... | AluStar AL270/30 | 0.81 | 27.80 |
| 22-084-76 ... | AluStar AL270/25 | 0.68 | 25.00 |
| 22-084-81 ... | AluStar AL270/24 | 0.65 | 24.50 |
| 22-084-86 ... | AluStar AL270/20 | 0.54 | 22.20 |
| | | | |
| 22-085-01 ... | AluStar AL135/90 | 1.22 | 35.50 |
| 22-086-01 ... | AluStar AL135/75 | 1.01 | 31.20 |
| 22-086-31 ... | AluStar AL135/55 | 0.74 | 25.50 |
| 22-086-34 ... | AluStar AL135/50 | 0.68 | 20.40 |
| 22-086-37 ... | AluStar AL135/49 | 0.66 | 20.00 |
| 22-086-46 ... | AluStar AL135/45 | 0.61 | 18.90 |
| 22-086-56 ... | AluStar AL135/40 | 0.54 | 17.40 |
| 22-086-71 ... | AluStar AL135/30 | 0.41 | 14.50 |
| 22-086-76 ... | AluStar AL135/25 | 0.34 | 12.90 |
| 22-086-81 ... | AluStar AL135/24 | 0.32 | 12.60 |
| 22-086-86 ... | AluStar AL135/20 | 0.27 | 11.40 |

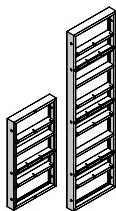


Wall formwork

| | | | |
|--------------------------|-------|------|-------|
| 22-087-01 ... AluStar AL | 90/90 | 0.81 | 21.60 |
| 22-087-26 ... AluStar AL | 90/75 | 0.68 | 18.60 |
| 22-087-46 ... AluStar AL | 90/55 | 0.50 | 14.60 |
| 22-087-51 ... AluStar AL | 90/50 | 0.45 | 13.60 |
| 22-087-53 ... AluStar AL | 90/49 | 0.44 | 13.40 |
| 22-087-56 ... AluStar AL | 90/45 | 0.41 | 12.50 |
| 22-087-61 ... AluStar AL | 90/40 | 0.36 | 11.50 |
| 22-087-71 ... AluStar AL | 90/30 | 0.27 | 9.50 |
| 22-087-76 ... AluStar AL | 90/25 | 0.23 | 8.60 |
| 22-087-81 ... AluStar AL | 90/24 | 0.22 | 8.40 |
| 22-087-86 ... AluStar AL | 90/20 | 0.18 | 7.60 |

StarTec Multi-purpose panel

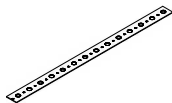
StarTec panel with perforated profiles to be used as column formwork or to concrete pilasters, stop ends, connections to existing walls, corner configurations, etc. Is used in connection with stop end fixture 23/40.



| Ref.-No. | Description / Application | m ² | kg |
|------------------------------|---------------------------|----------------|--------|
| 21-212-26 ... StarTec AL-MPP | 270/75 | 2.03 | 103.50 |
| 21-212-46 ... StarTec AL-MPP | 135/75 | 1.01 | 52.20 |

Foundation tape

Galvanized. Hole spacing 50 mm; hole Ø 16 mm, 50 m.
Adm. tractive force 10 kN. To be cut at hole center. Serves together with the appropriate tensioners as bottom anchoring when panels are assembled in horizontal position.

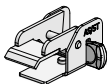


| Ref.-No. | Description / Application | kg |
|------------------------------------|---------------------------|-------|
| 29-307-50 ... Foundation tape 50 m | | 20.00 |

Wall formwork

Tensioner AS/ST for foundation tape

Galvanized. Connects the foundation tape to AluStar or StarTec panels and serves as bottom anchoring when panels are assembled in horizontal position. Two tensioners are required per anchoring position.



| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-307-70 | ... Tensioner AS/ST for foundation tape | 1.35 |

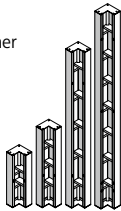
Trolley for foundation tape

Not shown. Galvanized. Is used to transport and cut foundation tape to length. Suitable for one roll. Pneumatic wheels.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------------|-------|
| 29-307-55 | ... Trolley for foundation tape | 21.80 |

AluStar inside corner AL

Aluminium with high-quality annealed powder coating. For 90° corner configurations. Side length 25 cm. With tie holes.

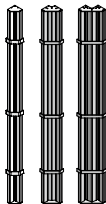


| Ref.-No. | Description / Application | m ² | kg |
|-----------|------------------------------------|----------------|-------|
| 22-150-22 | ... AluStar AL-IC.....330/25 | 1.65 | 42.00 |
| 22-150-24 | ... AluStar AL-IC.....270/25 | 1.35 | 34.10 |
| 22-150-34 | ... AluStar AL-IC.....135/25 | 0.68 | 18.10 |
| 22-150-44 | ... AluStar AL-IC.....90/25 | 0.45 | 12.60 |

Wall formwork

AS/ST outside corner

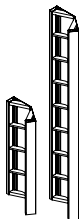
Aluminium. Facing 0 cm, 5 cm or 10 cm wide on both sides, integrated chamfer strip. Provides together with AluStar or StarTec panels and AS assembly locks a fast and tight outside corner assembly for 90° angles.



| Ref.-No. | Description / Application | m ² | kg |
|-----------|---|----------------|-------|
| 22-140-50 | ...AS/ST outside corner alu 270/10..... | 0.54 | 26.30 |
| 22-140-25 | ...AS/ST outside corner alu 270/5..... | 0.27 | 16.20 |
| 22-140-20 | ...AS/ST outside corner alu 270..... | | 13.00 |
| 22-140-52 | ...AS/ST outside corner alu 135/10..... | 0.27 | 13.60 |
| 22-140-35 | ...AS/ST outside corner alu 135/5..... | 0.14 | 8.50 |
| 22-140-30 | ...AS/ST outside corner alu 135..... | | 6.80 |
| 22-140-40 | ...AS/ST outside corner alu 90..... | | 4.80 |

AluStar hinged inside corner

Steel construction with steel sheeting. Primed and cavity-sealed. Side length 30 cm. Adjustable angle 60° - 180°.



| Ref.-No. | Description / Application | m ² | kg |
|-----------|---------------------------------|----------------|-------|
| 21-270-00 | ...AluStar HIC.....270/30 | 1.62 | 75.00 |
| 21-270-10 | ...AluStar HIC.....135/30 | 0.81 | 38.20 |

AluStar hinged outside corner

Steel construction with steel sheeting. Primed and cavity-sealed. Side length 7.5 cm. Adjustable angle 60° - 180°.

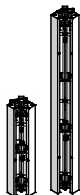


| Ref.-No. | Description / Application | m ² | kg |
|-----------|----------------------------------|----------------|-------|
| 21-280-00 | ...AluStar HOC.....270/7.5 | 0.41 | 47.70 |
| 21-280-10 | ...AluStar HOC.....135/7.5 | 0.20 | 23.80 |

Wall formwork

StarTec stripping corner

Steel construction with steel sheeting. Primed and cavity-sealed. Side length 25 cm. With tie holes. When the bell-crank lever is pushed upwards with a crowbar, the corner is removed 17.5 mm away from the concrete and the formwork 35 mm away from the concrete on both sides.



| Ref.-No. | Description / Application | m ² | kg |
|-----------|----------------------------------|----------------|--------|
| 21-262-10 | ... StarTec SC270/25 | 1.35 | 146.00 |
| 21-262-30 | ... StarTec SC135/25 | 0.68 | 82.00 |

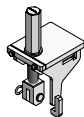
Adhesive tape, red

Not shown. Reinforced adhesive tape, red, 50 mm wide, 50 running metres. Total thickness: 270 µm. Natural rubber adhesive on one side. PE-coated.

| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------------|------|
| 41-912-10 | ... Adhesive tape 50 m, red | 0.83 |

Stripping corner tool

Is used to easily activate the stripping corner from above. It can be activated and returned to its original position. It is operated with a power screwdriver, a ratchet wrench or a spanner (SW 36).

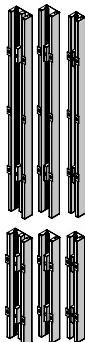


| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------|------|
| 29-306-32 | ... Stripping corner tool | 6.60 |

Wall formwork

AluStar radius panel

Steel construction with steel sheeting. Primed and cavity-sealed. Allows the AluStar and StarTec formwork to be used as polygonal formwork.

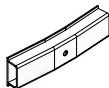


| Ref.-No. | Description / Application | m ² | kg |
|---------------|------------------------------|----------------|-------|
| 71-500-00 ... | AluStar RP270/15 | 0.41 | 38.90 |
| 71-500-10 ... | AluStar RP270/20 | 0.54 | 42.70 |
| 71-500-20 ... | AluStar RP270/25 | 0.68 | 50.00 |
| 71-500-40 ... | AluStar RP135/15 | 0.20 | 21.10 |
| 71-500-50 ... | AluStar RP135/20 | 0.27 | 23.00 |
| 71-500-60 ... | AluStar RP135/25 | 0.34 | 26.40 |

AS tensioning bow

Takes up the anchor load when forming polygonal constructions with radius panels.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 21-500-95 ... | AS tensioning bow | 5.40 |



AS assembly lock

Galvanized. Tightly connects and aligns AluStar and StarTec panels. Clamping length 8 cm.

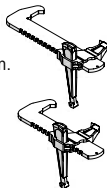
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-205-00 ... | AS assembly lock | 2.00 |



Uni-assembly lock

Galvanized. For stepless compensation. Clamping length 22 cm or 28 cm.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-400-85 ... | Uni-assembly lock 22..... | 3.60 |
| 29-400-90 ... | Uni-assembly lock 28..... | 3.90 |



Wall formwork

RS-assembly lock

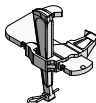
Galvanized, For stepless length compensation. Clamping length is 11.9 to 20.5 cm for stepless compensation.



| Ref.-No. | Description / Application | kg |
|-----------|----------------------------|------|
| 23-807-70 | ... RS-assembly lock | 4.70 |

Transition lock AF-ST/AS

Is used as a connecting assembly lock at the joint of AF panels with ST or AS panels. Can be used on the right or left side of inside corner areas by turning the sliding part.



| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------------|------|
| 29-103-30 | ... Transition lock AF - ST/AS | 3.20 |

MEVA chamfer strip 35/10

Not shown. PVC. For column formwork and corner configurations. With rubber lip and strip. Standard length: 3,00 m.

| Ref.-No. | Description / Application | kg |
|-----------|------------------------------------|------|
| 29-902-85 | ... MEVA chamfer strip 35/10 | 0.20 |

Chamfer strip 270

PVC. 15 mm chamfer strip with 12 cm clip to enclose a 12 cm profile. Suited for column formwork built with Mammut, StarTec or AluStar panels. 2,70 m long.

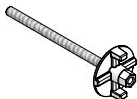
| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------|------|
| 29-902-95 | ... Chamfer strip 270 | 2.00 |



Wall formwork

Flange screw

Galvanized. DW thread Ø 15 mm. Is used to attach accessories, e.g. alignment rails, brace frames, push-pull props, etc. Length of thread 18 cm or 27 cm.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-401-10 ... | Flange screw 18 | 1.02 |
| 29-401-12 ... | Flange screw 28 | 1.28 |

AS/ST aluminium filler

Aluminium with high-quality powder coating. With tie holes. For length compensation of 5 cm, especially in corners. 2 or 3 Uni-assembly locks are required for each filler.



| Ref.-No. | Description / Application | m ² | kg |
|---------------|------------------------------------|----------------|------|
| 21-270-62 ... | AS/ST aluminium filler 270/8..... | 0.22 | 9.10 |
| 21-270-61 ... | AS/ST aluminium filler 270/6..... | 0.16 | 8.10 |
| 21-270-60 ... | AS/ST aluminium filler 270/5..... | 0.14 | 7.73 |
| 21-270-59 ... | AS/ST aluminium filler 270/4..... | 0.11 | 7.20 |
| 21-270-67 ... | AS/ST aluminium filler 135/8..... | 0.11 | 4.80 |
| 21-270-66 ... | AS/ST aluminium filler 135/6 | 0.08 | 4.20 |
| 21-270-65 ... | AS/ST aluminium filler 135/5..... | 0.07 | 4.00 |
| 21-270-64 ... | AS/ST aluminium filler 135/4..... | 0.05 | 3.70 |

AS/ST timber profile

Timber profile with groove. Is used for job-built fillers of 14 cm or more or to connect job-built formwork with 21 mm forming face. 2 AS assembly locks are required for each timber profile. Delivery and weight by pairs.



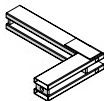
| Ref.-No. | Description / Application | kg |
|---------------|----------------------------------|------|
| 29-200-03 ... | AS/ST timber profile 270/21..... | 5.50 |
| 29-200-05 ... | AS/ST timber profile 135/21..... | 2.70 |

Wall formwork

Corner angle 40/60

Galvanized. Side lengths 40 and 60 cm. For inside and outside corners.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-402-25 ... | Corner angle 40/60 | 9.40 |



Stop end fixture 23/40

Yellow chromated. Is used to attach alignment rails to the panels when forming stop ends are formed. Or is used in connection with multi-purpose panels (EcoAs, StarTec) to form outer corners or abutments. Suited for the frame profiles of EcoAs and AluFix (23 mm) and AluStar/StarTec (40 mm). A flange nut 100 or an articulated flange nut 15/120 are required in addition.

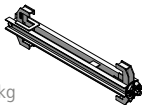
| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------------|------|
| 79-402-85 ... | Stop end fixture 23/40 (yellow)..... | 3.00 |



Stop end bracket

Galvanized. Is used to form stop ends. Stop end bracket 23/40 for wall thickness up to 30 cm. Stop end bracket 40/60 for wall thickness up to 40 cm.

| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|-------|
| 29-105-50 ... | Stop end bracket 40/60 | 15.10 |
| 29-105-45 ... | Stop end bracket 23/40 | 13.40 |



Plug D20

Is used to close unused tie holes (AluFix, EcoAs, AluFix, AluStar and StarTec).

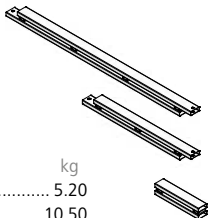
| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------|------|
| 29-902-63 ... | Plug D20 red | 0.01 |
| 29-902-62 ... | Plug D20 without imprint | 0.01 |



Wall formwork

Alignment rail

Galvanized. Is used to brace panel joints for crane ganging, bridge problem areas, brace compensation areas and build stop ends with stop end fixtures. Is attached to the formwork with flange screws.



| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------------|-------|
| 29-201-73 | ...AS-alignment rail 50, galv..... | 5.20 |
| 29-201-75 | ...AS-alignment rail 125, galv..... | 10.50 |
| 29-201-80 | ...AS-alignment rail 200, galv..... | 19.00 |

Support angle for walkway brackets

Galvanized. Is used to support a walkway bracket if the DW-nut on the multi-function profile is covered by an alignment rail. In this case the mounting bracket is fixed to the panel through the alignment rail by a separate flange screw.



| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-106-95 | ...Support angle for walkway brackets..... | 2.70 |

Tie rod DW 15/90

Uncoated, not weldable. DIN 18216. DW thread \varnothing 15 mm. Is used to tie panels of double-sided formwork. Adm. load 90 kN.

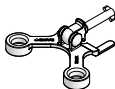


| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-900-80 | ...Tie rod DW 15/90..... | 1.25 |

Wall formwork

Tie rod fixture

Galvanised. To hold DW tie rods with articulated flange nut, XT tie rods or XT taper ties. Can be used with horizontal or vertical MEVA wall formwork panels.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-927-05 ... | Tie rod fixture Ø35 | 1.20 |

Plastic tube

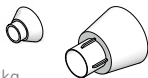
Plastic spacer tube for tie holes. Two cones are also required per tie hole. D22/200: internal Ø 22 mm, external Ø 28 mm, standard length 2.00 m.



| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|------|
| 29-902-30 ... | Plastic tube D22/200 | 0.35 |

Cone for plastic tube

Available with 10 mm or 30 mm covering.



| Ref.-No. | Description / Application | kg |
|---------------|---|------|
| 29-902-40 ... | Cone for plastic tube D22/10 (10 mm covering) | 0.01 |
| 29-902-50 ... | Cone for plastic tube D22/30 (30 mm covering) | 0.01 |

Plug

Is used to close tie holes in the wall when plastic tubes D22 are applied. Two plugs are required per tie hole.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-902-70 ... | Plug D22 | 0.01 |

Wall formwork

Articulated flange nut 15/120

Forged, galvanized. DIN 18216. DW thread Ø 15 mm, plate Ø 120 mm, max. inclination 10°, SW 27.
Max. load capacity 90 kN. Reduces wear of panel coating.



| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-900-10 | ... Articulated flange nut 15/120 (SW 27) | 1.81 |
| 29-900-18 | ... Articulated flange nut AF - ST/AS..... | 2.32 |

Spanner SW 27

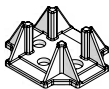
Inset yellow chromated. Spanner width (SW) 27 mm. Is used to tighten and loosen flange nuts 100, articulated flange nuts 15/120 and flange screws.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-800-10 | ... Spanner SW 27 | 1.80 |

Uni-tie claw

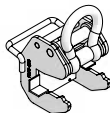
Galvanized. Permits tying directly above or beside the panels.
Is suited for panels with profile widths of 40 and 60 mm.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-901-41 | ... Uni-tie claw..... | 1.52 |

AS crane hook

Is used to move panels. Self-locking.
Load capacity: 15 kN (1.5 tons). Always 2 crane hooks required per gang. For use and safety check see the Operating Instructions.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-203-89 | ... AS-crane hook..... | 5.95 |

Wall formwork

Brace frame 250

Galvanized. Available with formwork-prop connector. Is used to align and brace the formwork. Consists of a push-pull prop R 250 (190 - 320 cm), a brace SRL 120 (90 - 150 cm) and a double-jointed footplate. The formwork-prop connectors are attached to the formwork with flange screws 18.



| Ref.-No. | Description / Application | kg |
|---------------|--|-------|
| 29-109-20 ... | Brace frame 250 with formwork-prop connector.... | 31.50 |

Formwork-prop connector

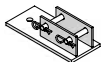
Galvanized. Connects braces, brace frames and push-pull props (max. Ø 48 mm) to the multi-function profile with a flange screw 18. Delivery includes head bolt 16/90 and cotter pin 4.



| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------|------|
| 29-804-85 ... | Formwork-prop connector | 1.65 |

Double-jointed foot plate

Galvanized. Delivery includes head bolt 16/90 and cotter pin 4. Serves as foot plate for brace frames 250 and as connector for braces and push-pull props up to Ø 57 mm.

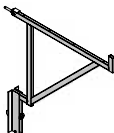


| Ref.-No. | Description / Application | kg |
|----------------|---|------|
| 29-402-32..... | Double-jointed foot plate (prop diam. up to 57 mm)..... | 4.00 |

Wall formwork

Walkway bracket

Galvanized, yellow, pluggable. Is used as working and safety scaffold. Is attached to the multi-function profile and secured to the multi-function profile below with a flange screw 18. The planking can be mounted to the brackets. Working width approx. 90 cm. MEVA Guardrailing post is also required. Bracket spacing depends on type of planking (DIN 4420).

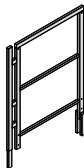


| Ref.-No. | Description / Application | kg |
|---------------|--|-------|
| 29-106-00 ... | Walkway bracket 90 (yellow), galv..... | 10.30 |

Side railing

Galvanized. Is plugged into the walkway bracket.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|-------|
| 29-108-20 ... | Side railing 90/100, galv. | 12.30 |



Guardrailing post

Galvanized. Is plugged into the walkway bracket.

| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-106-75 ... | Guard-railing post 100 | 3.70 |
| 29-106-85 ... | Guard-railing post 140 | 4.70 |



Guardrailing post 48

Galvanized. With manifold to be plugged into the walkway bracket and with 48 mm Ø tube to attach scaffold couplers.

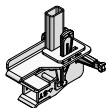
| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------------|------|
| 29-106-80 ... | Guard-railing post 48/120 (UK) | 5.50 |



Wall formwork

Tilting bracket 40/60

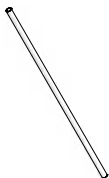
Galvanised. Used to attach MEVA guardrailing posts to create a fall protection system. It can be set up vertically to facilitate the installation of safety meshes or railing boards or inclined by 15° to create a larger working area. Secured with a wedge to the frame profile of 40 and 60 mm.



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 29-920-82 ... | Tilting bracket 40/60 | 4.90 |

Scaffold tube

Galvanized. Is used as hand-rail in combination with guardrailing post 48.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-412-23 ... | Scaffold tube 48/200..... | 9.40 |
| 29-412-26 ... | Scaffold tube 48/300..... | 14.10 |
| 29-412-27 ... | Scaffold tube 48/400..... | 18.80 |
| 29-412-25 ... | Scaffold tube 48/500..... | 23.50 |
| 29-412-28 ... | Scaffold tube 48/600..... | 28.20 |

Swivel-joint coupler 48/48

Galvanized. Connects 2 scaffold tubes with Ø 48.3 mm at any angle required.

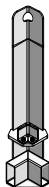


| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|------|
| 29-412-52 ... | Swivel-joint coupler 48/48..... | 1.20 |

Wall formwork

Stacking angle 60/40/23

Steel, galvanized. Used to stack and transport two to five wall formwork panels of the same size with frame profile widths of 60 mm, 40 mm or 23 mm. Four stacking angles 60/40/23 are required for each panel stack. The permissible load capacity per stacking angle is 15 kN (1.5 t). Refer to the stacking angle Operating Instructions for application and safety test.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-305-45 ... | Stacking angle 60/40/23..... | 9.60 |

Safety plug stacks

Plastic, black. Secures stacked AluStar and StarTec panels.

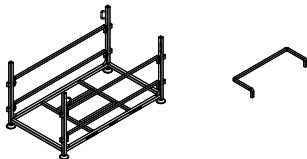


| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------------|------|
| 40-131-10.... | Safety plug AS/ST stacks, black..... | 0.04 |

Eco stacking rack for panels

Made of steel, galvanized. The rack is used to stack formwork panels (placed vertically, side by side) and is provided with crane eyes. For 10 panels with a profile height of 10 cm or 8 panels with a profile height of 12 cm.

4 retaining brackets 270/405 are used for panel height 270 cm.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------------|-------|
| 29-132-70 ... | Eco stacking rack for panels | 85.00 |
| 29-132-72 ... | Eco retaining bracket 270/405..... | 2.00 |

Ladder access see Mammut XT page 127

Wall formwork

 **meva**

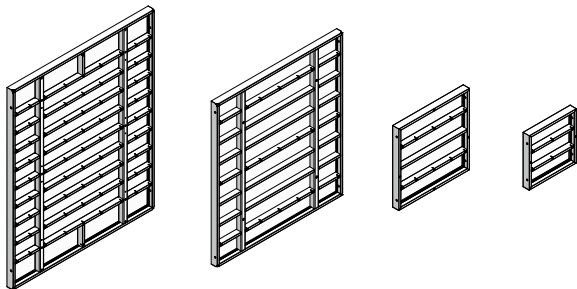
StarTec



Wall formwork

StarTec panels

Construction height 12 cm, frame profile width 40 mm. Three tie holes per panel height 330 cm, two tie holes per panel height 270 cm, one tie hole per panel height 135 cm and 90 cm. Absolutely compatible with AluStar panels. The frames of StarTec panel frames are made of closed steel profiles and are torsion-proof. StarTec panels are equipped with alkus facing. All-around grooves and AS assembly locks guarantee a tight and perfectly aligned stepless panel connection. Conical anchor sleeves are welded into the frames. Multi-function profiles permit an easy, fast and safe attachment of accessories.



| Ref.-No. | Description / Application | m ² | kg |
|---------------|----------------------------------|----------------|--------|
| 21-217-01 ... | StarTec AL 20330/270 | 8.91 .. | 543.00 |
| 21-217-06 ... | StarTec AL 20330/135 | 4.46 .. | 253.00 |
| 21-217-11.... | StarTec AL 17330/90 | 2.97 .. | 125.50 |
| 21-217-26 ... | StarTec AL 17330/75 | 2.48 .. | 112.00 |
| 21-217-46 ... | StarTec AL 17330/55 | 1.82 .. | 93.50 |
| 21-217-49 ... | StarTec AL 17330/50 | 1.65 .. | 88.00 |
| 21-217-51 ... | StarTec AL 17330/49 | 1.62 .. | 88.00 |
| 21-217-71 ... | StarTec AL 17330/30 | 0.99 .. | 62.00 |
| 21-217-76 ... | StarTec AL 17330/25 | 0.83 .. | 58.00 |

Wall formwork

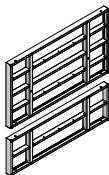
| | | | |
|-----------------------------------|---------------|------------|--------|
| 21-200-03 ... StarTec AL 20 | 270/240 | 6.48 .. | 388.00 |
| 21-200-06 ... StarTec AL 20 | 270/135 | 3.65 .. | 206.50 |
| 21-200-11 ... StarTec AL 17 | 270/90 | 2.43 .. | 103.40 |
| 21-200-26 ... StarTec AL 17 | 270/75 | 2.03 | 90.90 |
| 21-200-46 ... StarTec AL 17 | 270/55 | 1.49 | 72.80 |
| 21-200-49 ... StarTec AL 17 | 270/50 | 1.35 | 67.90 |
| 21-200-52 ... StarTec AL 17 | 270/49 | 1.32 | 67.10 |
| 21-200-56 ... StarTec AL 17 | 270/45 | 1.22 | 64.00 |
| 21-200-61 ... StarTec AL 17 | 270/40 | 1.08 | 60.20 |
| 21-200-71 ... StarTec AL 17 | 270/30 | 0.81 | 48.40 |
| 21-200-76 ... StarTec AL 17 | 270/25 | 0.68 | 45.70 |
| 21-200-78 ... StarTec AL 17 | 270/24 | 0.65 | 44.90 |
| 21-200-81 ... StarTec AL 17 | 270/20 | 0.54 | 41.40 |
| | | | |
| 21-210-06 ... StarTec AL 17 | 135/135 | 1.82 | 74.70 |
| 21-210-11 ... StarTec AL 17 | 135/90 | 1.22 | 53.60 |
| 21-210-26 ... StarTec AL 17 | 135/75 | 1.01 | 47.30 |
| 21-210-46 ... StarTec AL 17 | 135/55 | 0.74 | 38.60 |
| 21-210-49 ... StarTec AL 17 | 135/50 | 0.68 | 36.00 |
| 21-210-52 ... StarTec AL 17 | 135/49 | 0.66 | 35.80 |
| 21-210-56 ... StarTec AL 17 | 135/45 | 0.61 | 33.90 |
| 21-210-61 ... StarTec AL 17 | 135/40 | 0.54 | 31.00 |
| 21-210-71 ... StarTec AL 17 | 135/30 | 0.41 | 26.70 |
| 21-210-76 ... StarTec AL 17 | 135/25 | 0.34 | 25.00 |
| 21-210-78 ... StarTec AL 17 | 135/24 | 0.32 | 24.40 |
| 21-210-81 ... StarTec AL 17 | 135/20 | 0.27 | 21.10 |
| | | | |
| 21-211-11 ... StarTec AL 17 | 90/90 | 0.81 | 39.30 |
| 21-211-26 ... StarTec AL 17 | 90/75 | 0.68 | 34.60 |
| 21-211-46 ... StarTec AL 17 | 90/55 | 0.50 | 28.30 |
| 21-211-49 ... StarTec AL 17 | 90/50 | 0.45 | 26.00 |
| 21-211-76 ... StarTec AL 17 | 90/25 | 0.23 | 18.10 |

Wall formwork

StarTec panel ... /240 AL20

Suited to stack StarTec panels 270/240 at top or at bottom.

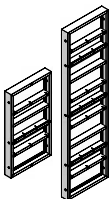
| Ref.-No. | Description / Application | m ² | kg |
|---------------|----------------------------------|----------------|--------|
| 21-215-00 ... | StarTec AL 20135/240 | 3.24 .. | 221.00 |
| 21-215-65 ... | StarTec AL 2090/240 | 2.16 .. | 153.10 |
| 21-215-60 ... | StarTec AL 2075/240 | 1.80 .. | 129.10 |



StarTec multi-purpose panel

StarTec panel with multi-adjustment profiles. Usable as column formwork or to concrete pilasters, stop ends, connections to existing walls, corner configurations, etc. Is used with stop end fixture 23/40.

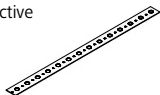
| Ref.-No. | Description / Application | m ² | kg |
|---------------|----------------------------------|----------------|--------|
| 21-212-26 ... | StarTec AL-MPP270/75 | 2.03 .. | 103.50 |
| 21-212-46 ... | StarTec AL-MPP135/75 | 1.01 | 52.20 |



Foundation tape

Galvanized. Hole spacing 50 mm; hole Ø 16 mm, 50 m. Adm. tractive force 10 kN. To be cut at hole center. Serves together with the appropriate tensioners as bottom anchoring when panels are assembled in horizontal position.

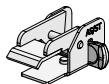
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-307-50 ... | Foundation tape 50 m..... | 20.00 |



Tensioner AS/ST for foundation tape

Galvanized. Connects the foundation tape to AluStar or StarTec panels and serves as bottom anchoring when panels are assembled in horizontal position. Two tensioners are required per anchoring position.

| Ref.-No. | Description / Application | kg |
|---------------|---|------|
| 29-307-70 ... | Tensioner AS/ST for foundation tape | 1.35 |

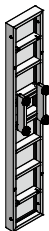


Wall formwork

Trolley for foundation tape

Not shown. Galvanized. Is used to transport and cut foundation tape to length. Suitable for one roll. Pneumatic wheels.

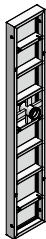
| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------|-------|
| 29-307-55 | Trolley for foundation tape | 21.80 |



StarTec panel 270/45 with concreting window

Is used to control the pouring process when control is not possible from above.

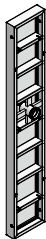
| Ref.-No. | Description / Application | m ² | kg |
|-----------|-------------------------------------|----------------|-------|
| 21-213-60 | StarTec AL | | |
| | with concreting window 270/45 | 1.22 | 75.00 |



StarTec panel AL 17, 270/45 with filling nozzle

Is used when concrete cannot be poured from above, e.g. tunnel formwork. Connection with a manual gate valve. Operating pressure: 20 bar.

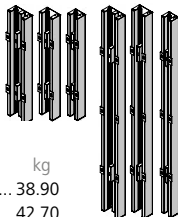
| Ref.-No. | Description / Application | m ² | kg |
|-----------|---------------------------------------|----------------|-------|
| 21-213-55 | StarTec AL with filling nozzle 270/45 | 1.22 | 73.00 |
| 29-914-50 | Manual gate valve SK 100 - 4½ | | 19.00 |
| 29-207-60 | Lever coupling SK-H DN 100 - 4½ | | 3.80 |
| 29-207-50 | Filling nozzle cleaner SK 100/800 | | 7.20 |
| 62-031-55 | Sealing washer A SK 100 - 4½ | | 0.10 |
| 29-914-45 | Manual gate valve SK 125 - 5½ | | 15.60 |
| 29-207-65 | Lever coupling SK-H DN 125 - 5½ | | 5.10 |
| 29-207-55 | Filling nozzle cleaner SK 125/800 | | 9.60 |
| 62-031-56 | Sealing washer A SK 125 - 5½ | | 0.20 |



Wall formwork

AluStar radius panel

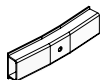
Steel construction with steel sheeting. Primed and cavity-sealed. Allows the AluStar and StarTec formwork to be used as polygonal formwork.



| Ref.-No. | Description / Application | m ² | kg |
|---------------|------------------------------|----------------|-------|
| 71-500-00 ... | AluStar RP270/15 | 0.41 | 38.90 |
| 71-500-10 ... | AluStar RP270/20 | 0.54 | 42.70 |
| 71-500-20 ... | AluStar RP270/25 | 0.68 | 50.00 |
| 71-500-40 ... | AluStar RP135/15 | 0.20 | 21.10 |
| 71-500-50 ... | AluStar RP135/20 | 0.27 | 23.00 |
| 71-500-60 ... | AluStar RP135/25 | 0.34 | 26.40 |

AS tensioning bow

Takes up the anchor load when forming polygonal constructions with radius panels.

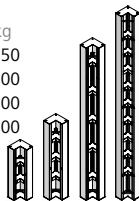


| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 21-500-95 ... | AS-tensioning bow | 5.40 |

StarTec inside corner

For 90° corners. Side length 25 cm. Steel frame with tie holes and alkus facing or exchangeable steel sheet.

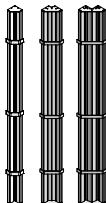
| Ref.-No. | Description / Application | m ² | kg |
|---------------|---------------------------------|----------------|-------|
| 21-251-00 ... | StarTec AL-IC330/25 | 1.65 | 88.50 |
| 21-251-05 ... | StarTec AL-IC270/25 | 1.35 | 68.00 |
| 21-251-35 ... | StarTec AL-IC135/25 | 0.68 | 38.00 |
| 21-251-65 ... | StarTec AL-IC90/25 | 0.45 | 27.00 |



Wall formwork

AS/ST outside corner

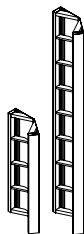
Aluminium. Facing 0 cm, 5 cm or 10 cm wide on both sides, integrated chamfer strip. Provides together with AluStar or StarTec panels and AS assembly locks a fast and tight outside corner assembly for 90° angles.



| Ref.-No. | Description / Application | m ² | kg |
|-----------|---|----------------|-------|
| 22-140-48 | ...AS/ST outside corner alu 330/10..... | 0.66 | 31.93 |
| 22-140-15 | ...AS/ST outside corner alu 330/5..... | 0.33 | 19.71 |
| 22-140-10 | ...AS/ST outside corner alu 330..... | | 15.60 |
| 22-140-50 | ...AS/ST outside corner alu 270/10..... | 0.54 | 26.30 |
| 22-140-25 | ...AS/ST outside corner alu 270/5..... | 0.27 | 16.20 |
| 22-140-20 | ...AS/ST outside corner alu 270..... | | 13.00 |
| 22-140-52 | ...AS/ST outside corner alu 135/10..... | 0.27 | 13.60 |
| 22-140-35 | ...AS/ST outside corner alu 135/5..... | 0.14 | 8.50 |
| 22-140-30 | ...AS/ST outside corner alu 135..... | | 6.80 |
| 22-140-40 | ...AS/ST outside corner alu 90..... | | 4.80 |

AS hinged inside corner

Steel construction with steel sheeting. Side length 30 cm.
Adjustable angle 60° - 180°.



| Ref.-No. | Description / Application | m ² | kg |
|-----------|----------------------------------|----------------|--------|
| 21-270-20 | ... StarTec HIC.....330/30 | 1.98 | 118.70 |
| 21-270-00 | ... AluStar HIC.....270/30 | 1.62 | 75.00 |
| 21-270-10 | ... AluStar HIC.....135/30 | 0.81 | 38.20 |

Wall formwork

AS hinged outside corner

Steel construction with steel sheeting. Side length 7.5 cm.

Adjustable angle 60° - 180°.

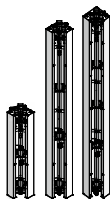
| Ref.-No. | Description / Application | m ² | kg |
|---------------|--------------------------------|----------------|-------|
| 21-280-20 ... | StarTec HOC330/7.5 | 0.50 | 60.30 |
| 21-280-00 ... | AluStar HOC270/7.5 | 0.41 | 47.70 |
| 21-280-10 ... | AluStar HOC135/7.5 | 0.20 | 23.80 |



StarTec stripping corner

Steel construction with steel sheeting. Side length 25 cm. With tie holes. When the bell-crank lever is pushed upwards with a crowbar, the corner is removed 17.5 mm away from the concrete and the formwork 35 mm away from the concrete on both sides.

| Ref.-No. | Description / Application | m ² | kg |
|---------------|------------------------------|----------------|--------|
| 21-262-05 ... | StarTec SC330/25 | 1.65 | 172.00 |
| 21-262-10 ... | StarTec SC270/25 | 1.35 | 146.00 |
| 21-262-30 ... | StarTec SC135/25 | 0.68 | 82.00 |



Adhesive tape, red

Not shown. Reinforced adhesive tape, red, 50 mm wide, 50 running metres.

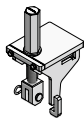
Total thickness: 270 µm. Natural rubber adhesive on one side. PE-coated.

| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------|------|
| 41-912-10 ... | Adhesive tape 50 m, red | 0.83 |

Stripping corner tool

Is used to easily activate the stripping corner from above. It can be activated and returned to its original position. It is operated with a power screwdriver, a ratchet wrench or a spanner (SW 36).

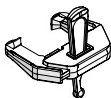
| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 29-306-32 ... | Stripping corner tool | 6.60 |



Wall formwork

AS assembly lock

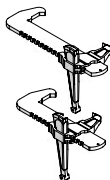
Galvanized. Tightly connects and aligns AluStar and StarTec panels.
Clamping length 8 cm.



| Ref.-No. | Description / Application | kg |
|-----------|----------------------------|------|
| 29-205-00 | ... AS assembly lock | 2.00 |

Uni-assembly lock

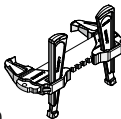
Galvanized. For stepless compensation.
Clamping length 22 cm or 28 cm.



| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------|------|
| 29-400-85 | ... Uni-assembly lock 22 | 3.60 |
| 29-400-90 | ... Uni-assembly lock 28 | 3.90 |

RS-assembly lock

Galvanized, For stepless length compensation.
Clamping length is 11.9 to 20.5 cm for stepless compensation.



| Ref.-No. | Description / Application | kg |
|-----------|----------------------------|------|
| 23-807-70 | ... RS-assembly lock | 4.70 |

MEVA chamfer strip 35/10

Not shown. PVC. For column formwork and corner configurations.
With rubber lip and strip. Standard length: 3,00 m.

| Ref.-No. | Description / Application | kg |
|-----------|------------------------------------|------|
| 29-902-85 | ... MEVA chamfer strip 35/10 | 0.20 |

Wall formwork

Chamfer strip 270

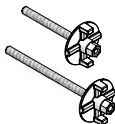
PVC. 15 mm chamfer strip with 12 cm clip to enclose a 12 cm profile. Suited for column formwork built with Mammut, StarTec or AluStar panels. 2,70 m long.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-902-95 ... | Chamfer strip 270 | 2.00 |

Flange screw

Galvanized. DW thread Ø 15 mm. Is used to attach accessories, e.g. alignment rails, brace frames, push-pull props, etc. Length of thread 18 cm or 27 cm.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-401-10 ... | Flange screw 18 | 1.02 |
| 29-401-12 ... | Flange screw 28 | 1.28 |

AS/ST aluminium filler

Aluminium with high-quality annealed powder coating. With tie holes. For length compensation of 5 cm, especially in corners. 2 or 3 Uni-assembly locks are required for each filler.



| Ref.-No. | Description / Application | m ² | kg |
|---------------|-----------------------------------|----------------|-------|
| 21-270-57 ... | AS/ST aluminum filler 330/8 | 0.26 | 11.00 |
| 21-270-56 ... | AS/ST aluminum filler 330/6 | 0.20 | 9.90 |
| 21-270-58 ... | AS/ST aluminium filler 330/5..... | 0.17 | 9.41 |
| 21-270-54 ... | AS/ST aluminum filler 330/4 | 0.13 | 8.70 |
| 21-270-62 ... | AS/ST aluminum filler 270/8 | 0.22 | 9.10 |
| 21-270-61 ... | AS/ST aluminum filler 270/6 | 0.16 | 8.10 |
| 21-270-60 ... | AS/ST aluminium filler 270/5..... | 0.14 | 7.73 |
| 21-270-59 ... | AS/ST aluminum filler 270/4 | 0.11 | 7.20 |
| 21-270-67 ... | AS/ST aluminum filler 135/8 | 0.11 | 4.80 |
| 21-270-66 ... | AS/ST aluminum filler 135/6 | 0.08 | 4.20 |
| 21-270-65 ... | AS/ST aluminium filler 135/5..... | 0.07 | 4.00 |
| 21-270-64 ... | AS/ST aluminum filler 135/4 | 0.05 | 3.70 |

Wall formwork

AS/ST timber profile

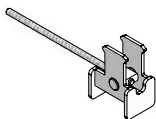
Timber profile with groove. Is used for job-built fillers of 14 cm or more or to connect job-built formwork with 21 mm forming face. 2 or 3 AS assembly locks are required for each timber profile. Delivery and weight by pairs.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------|------|
| 29-200-07 | ... AS/ST timber profile 330/21 | 6.40 |
| 29-200-03 | ... AS/ST timber profile 270/21 | 5.50 |
| 29-200-05 | ... AS/ST timber profile 135/21 | 2.70 |

Stop end fixture 23/40

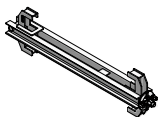
Yellow chromated. To attach alignment rails to the panels when stop ends are formed; or it is used in connection with multi-purpose panels (EcoAs, StarTec) to form outer corners or abutments. It is suited for the frame profiles of EcoAs and AluFix (23 mm) and AluStar/StarTec (40 mm). A flange nut 100 or an articulated flange nut 15/120 are required in addition.



| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------------|------|
| 79-402-85 | ... Stop end fixture 23/40 (yellow) | 3.00 |

Stop end bracket

Galvanized. Is used to form stop ends. Stop end bracket 23/40 for wall thickness up to 30 cm. Stop end bracket 40/60 for wall thickness up to 40 cm.



| Ref.-No. | Description / Application | kg |
|-----------|----------------------------|-------|
| 29-105-50 | ... Stop end bracket 40/60 | 15.10 |
| 29-105-45 | ... Stop end bracket 23/40 | 13.40 |

Wall formwork

Plug D20

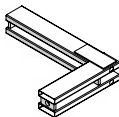
Is used to close unused tie holes (AluFix, EcoAs, AluFix, AluStar and StarTec).



| Ref.-No. | Description / Application | kg |
|-----------|------------------------------------|------|
| 29-902-63 | ... Plug D20 red | 0.01 |
| 29-902-62 | ... Plug D20 without imprint | 0.01 |

Corner angle 40/60

Galvanized. Side lengths 40 and 60 cm.
For inside and outside corners.



| Ref.-No. | Description / Application | kg |
|-----------|------------------------------|------|
| 29-402-25 | ... Corner angle 40/60 | 9.40 |

M cross stiffener 44

Galvanized. Short alignment rail that braces panel joints for crane ganging and to reinforces filler areas.

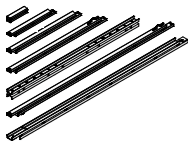


| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------|------|
| 29-401-02 | ... M cross stiffener 44..... | 6.30 |

Wall formwork

Alignment rail

Galvanized. Is used to brace panel joints for crane ganging, bridge problem areas, brace compensation areas and build stop ends with stop end fixtures. Is attached to the formwork with flange screws.



| Ref.-No. | Description / Application | kg |
|-----------|---|--------|
| 29-201-73 | ...AS-alignment rail 50, galv..... | 5.20 |
| 29-201-75 | ...AS-alignment rail 125, galv..... | 10.50 |
| 29-400-92 | ...M-alignment rail 180, galv..... | 24.80 |
| 29-402-50 | ...M-alignment rail 250, galv..... | 34.50 |
| 29-402-45 | ...M-alignment rail 350, reinforced | 124.00 |
| 29-402-38 | ...M-alignment rail 450, reinforced | 159.00 |

Support angle for walkway brackets

Galvanized. Is used to support a walkway bracket if the DW-nut on the multi-function profile is covered by an alignment rail. In this case the mounting bracket is fixed to the panel through the alignment rail by a separate flange screw.



| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-106-95 | ...Support angle for walkway brackets..... | 2.70 |

Tie rod DW 15/90

Uncoated, not weldable. DW thread \varnothing 15 mm; adm. load capacity 90 kN (DIN 18216); is used to tie panels of a double-sided formwork.

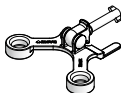


| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-900-80 | ...Tie rod DW 15/90..... | 1.25 |

Wall formwork

Tie rod fixture

Galvanised. To hold DW tie rods with articulated flange nut, XT tie rods or XT taper ties. Can be used with horizontal or vertical MEVA wall formwork panels.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-927-05 ... | Tie rod fixture Ø35 | 1.20 |

Plastic tube

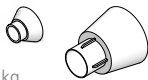
Plastic spacer tube for tie holes. Two cones are also required per tie hole. D22/200: internal Ø 22 mm, external Ø 28 mm, standard length 2.00 m.



| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|------|
| 29-902-30 ... | Plastic tube D22/200 | 0.35 |

Cone for plastic tube

Available with 10 mm or 30 mm covering.



| Ref.-No. | Description / Application | kg |
|---------------|---|------|
| 29-902-40 ... | Cone for plastic tube D22/10 (10 mm covering) | 0.01 |
| 29-902-50 ... | Cone for plastic tube D22/30 (30 mm covering) | 0.01 |

Plug

Is used to close tie holes in the wall when plastic tubes D22 are applied. Two plugs are required per tie hole.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-902-70 ... | Plug D22 | 0.01 |

Wall formwork

Flange nut 100

Forged, galvanized. DIN 18216. DW thread Ø 15 mm, plate Ø 100 mm, SW 27. Admissible load 90 kN.

| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-900-20 | ... Flange nut 100 (SW 27, forged) | 0.70 |



Articulated flange nut 15/120

Forged, galvanized. DIN 18216. DW thread Ø 15 mm, plate Ø 120 mm, max. inclination 10°, SW 27. Max. load capacity 90 kN. Reduces wear of panel coating.

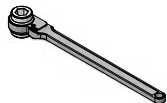
| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-900-10 | ... Articulated flange nut 15/120 (SW 27) | 1.81 |



Spanner SW 27

Inset yellow chromated. Spanner width (SW) 27 mm. Is used to tighten and loosen flange nuts 100, articulated flange nuts 15/120 and flange screws.

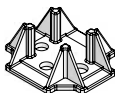
| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-800-10 | ... Spanner SW 27 | 1.80 |



Uni-tie claw

Galvanized. Permits tying directly above or beside the panels. Is suited for panels with profile widths of 40 and 60 mm.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-901-41 | ... Uni-tie claw | 1.52 |

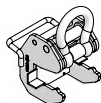


Wall formwork

AS crane hook

Is used to move panels. Self-locking. Load capacity: 15 kN (1.5 tons). Always 2 crane hooks required per gang. For use and safety check see the Operating Instructions.

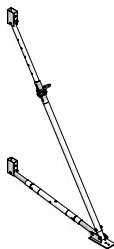
| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-203-89 | ...AS-crane hook..... | 5.95 |



Brace frame 250

Galvanized. Available with formwork-prop connector. Is used to align and brace the formwork. Consists of a push-pull prop R 250 (190 - 320 cm), a brace SRL 120 (90 - 150 cm) and a double-jointed footplate. The formwork-prop connectors are attached to the formwork with flange screws 18.

| Ref.-No. | Description / Application | kg |
|-----------|---|-------|
| 29-109-20 | ...Brace frame 250 with formwork-prop connector.... | 31.50 |



Formwork-prop connector

Galvanized. Connects braces, brace frames and push-pull props (max. Ø 48 mm) to the multi-function profile with a flange screw 18. Delivery includes head bolt 16/90 and cotter pin 4.

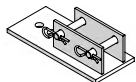
| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------------|------|
| 29-804-85 | ... Formwork-prop connector | 1.65 |



Double-jointed foot plate

Galvanized. Delivery includes head bolt 16/90 and cotter pin 4. Serves as foot plate for brace frames 250 and as connector for braces and push-pull props up to Ø 57 mm.

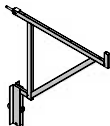
| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-402-32 | ... Double-jointed foot plate (prop diam. up to 57 mm).... | 4.00 |



Wall formwork

Walkway bracket

Galvanized, yellow, pluggable. Is used as working and safety scaffold. Is attached to the multi-function profile and secured to the multi-function profile below with a flange screw 18. The planking can be mounted to the brackets. Working width approx. 90 cm. MEVA Guardrailing post is also required. Bracket spacing depends on type of planking (DIN 4420).



| Ref.-No. | Description / Application | kg |
|-----------|--|-------|
| 29-106-00 | ... Walkway bracket 90 (yellow), galv..... | 10.30 |

Side railing

Galvanized. Is plugged into the walkway bracket.

| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------------|-------|
| 29-108-20 | ... Side railing 90/100, galv. | 12.30 |



Guardrailing post

Galvanized. Is plugged into the walkway bracket.

| Ref.-No. | Description / Application | kg |
|-----------|----------------------------------|------|
| 29-106-75 | ... Guard-railing post 100 | 3.70 |
| 29-106-85 | ... Guard-railing post 140 | 4.70 |



Guardrailing post 48

Galvanized. With manifold to attach it to the walkway bracket, designed with tube Ø 48 mm to attach tube couplers.

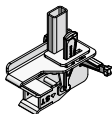
| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-106-80 | ... Guard-railing post 48/120 (UK)..... | 5.50 |



Wall formwork

Tilting bracket 40/60

Galvanised. Used to attach MEVA guardrailing posts to create a fall protection system. It can be set up vertically to facilitate the installation of safety meshes or railing boards or inclined by 15° to create a larger working area. Secured with a wedge to the frame profile of 40 and 60 mm.



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 29-920-82 ... | Tilting bracket 40/60 | 4.90 |

Scaffold tube

Galvanized . Is used as hand-rail / mid-rail in combination with guardrailing post 48.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-412-27 ... | Scaffold tube 48/400..... | 18.80 |
| 29-412-25 ... | Scaffold tube 48/500..... | 23.50 |
| 29-412-28 ... | Scaffold tube 48/600..... | 28.20 |

Swivel-joint coupler 48/48

Galvanized. Connects 2 scaffold tubes with Ø 48.3 mm at any angle required.

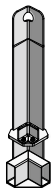


| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|------|
| 29-412-52 ... | Swivel-joint coupler 48/48..... | 1.20 |

Wall formwork

Stacking angle 60/40/23

Steel, galvanized. Used to stack and transport two to five wall formwork panels of the same size with frame profile widths of 60 mm, 40 mm or 23 mm. Four stacking angles 60/40/23 are required for each panel stack. The permissible load capacity per stacking angle is 15 kN (1.5 t). Refer to the stacking angle Operating Instructions for application and safety test.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-305-45 ... | Stacking angle 60/40/23..... | 9.60 |

Safety plug stacks

Secures stacked AluStar and StarTec panels. Black bolt for AluStar, grey one for StarTec 270/240.



| Ref.-No. | Description / Application | kg |
|---------------|---|------|
| 40-131-10.... | Safety plug AS/ST stacks, black..... | 0.04 |
| 40-131-15.... | Safety plug ST 270/240 stacks, grey | 0.04 |

Lifting hook 40

Galvanized. Allows any 4-rope crane slings available on site to be used to move the panel stacks. Always use 4 hooks at a time. Max. load capacity 10 kN (1 ton) per lifting hook. Max. weight of a panel stack 2 tons. Refer to the lifting hook Operating Instructions for application and safety test.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-401-42 ... | Lifting hook 40..... | 1.54 |

Ladder access

see Mammut XT page 127

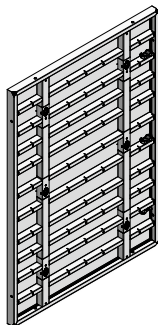


Wall formwork

Mammut XT

Mammut XT panels

Galvanized and post-treated. Frame profile height 12 cm, frame profile depth 60 mm. The frames of the Mammut XT panels consist of closed, torsionally rigid steel profiles. All-around grooves guarantee a stepless, tight and perfectly aligned panel connection using M assembly locks. The permanently installed, internal and recessed XT tie holes with rotating body enable both single-sided as well as conventional, two-sided tying. All cross stiffeners are equipped with DW threaded nuts and serve as multi-function profiles, allowing easy, fast and safe attachment of accessories. The Mammut XT panels are equipped with alkus facing.



| Ref.-No. | Description / Application | m ² | kg |
|-------------------------|---------------------------|----------------|--------|
| 23-001-05 ... Mammut XT | AL.....350/250 | 8.75 .. | 537.35 |
| 23-001-20 ... Mammut XT | AL.....350/125 | 4.38 .. | 295.20 |
| 23-001-30 ... Mammut XT | AL.....350/100 | 3.50 .. | 256.30 |
| 23-001-35 ... Mammut XT | AL.....350/75 | 2.63 .. | 188.10 |
| 23-001-50 ... Mammut XT | AL.....350/50 | 1.75 .. | 150.35 |
| 23-001-75 ... Mammut XT | AL.....350/25 | 0.88 .. | 104.55 |
| 23-002-05 ... Mammut XT | AL.....300/250 | 7.50 .. | 459.25 |
| 23-002-20 ... Mammut XT | AL.....300/125 | 3.75 .. | 252.20 |
| 23-002-30 ... Mammut XT | AL.....300/100 | 3.00 .. | 219.85 |
| 23-002-35 ... Mammut XT | AL.....300/75 | 2.25 .. | 161.95 |
| 23-002-50 ... Mammut XT | AL.....300/50 | 1.50 .. | 130.85 |
| 23-002-75 ... Mammut XT | AL.....300/25 | 0.75 .. | 91.10 |
| 23-003-20 ... Mammut XT | AL.....250/125 | 3.13 .. | 213.95 |
| 23-003-30 ... Mammut XT | AL.....250/100 | 2.50 .. | 185.25 |
| 23-003-35 ... Mammut XT | AL.....250/75 | 1.88 .. | 135.45 |
| 23-003-50 ... Mammut XT | AL.....250/50 | 1.25 .. | 107.40 |
| 23-003-75 ... Mammut XT | AL.....250/25 | 0.63 .. | 74.30 |

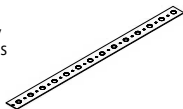
Wall formwork

Mammut XT

| | | |
|--|------------|--------|
| 23-004-20 ... Mammut XT AL.....125/125 | 1.56 .. | 113.00 |
| 23-004-30 ... Mammut XT AL.....125/100 | 1.25 | 95.90 |
| 23-004-35 ... Mammut XT AL.....125/75 | 0.94 | 73.35 |
| 23-004-50 ... Mammut XT AL.....125/50 | 0.63 | 58.50 |
| 23-004-75 ... Mammut XT AL.....125/25 | 0.31 | 36.80 |

Foundation tape

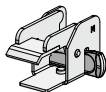
Galvanized, hole spacing 50 mm, hole Ø 16 mm, length 50 m, to be cut at hole centre, permissible tensile force 10 kN. Serves together with the appropriate tensioner as the lower anchor of horizontal panels.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-307-50 ... | Foundation tape 50 m..... | 20.00 |

Tensioner M for foundation tape

Galvanized. Used to connect the foundation tape to the Mammut panels. Two tensioners required per anchoring position.



| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------------|------|
| 29-307-60 ... | Tensioner M for foundation tape..... | 1.50 |

Trolley for foundation tape

Not shown. Galvanized. Used to transport and to cut foundation tape to length. Suitable for one roll. With pneumatic tyres.

| Ref.-No. | Description / Application | kg |
|---------------|----------------------------------|-------|
| 29-307-55 ... | Trolley for foundation tape..... | 21.80 |

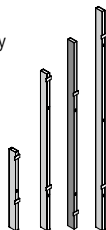
Wall formwork

Mammut XT

M filler

Aluminium, with cured powder coating and tie holes. For length compensation of 5 cm, particularly in corners. Two or three Uni-assembly locks are required for each filler.

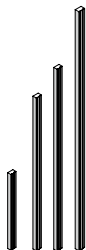
| Ref.-No. | Description / Application | m ² | kg |
|-----------------|---------------------------------|----------------|-------|
| 29-300-27 ... M | 350-aluminium filler 350/8..... | 0.44 | 11.83 |
| 29-300-28 ... M | 350-aluminium filler 350/6..... | 0.31 | 10.61 |
| 29-300-30 ... M | 350-aluminium filler 350/5..... | 0.18 | 10.30 |
| 29-300-31 ... M | 350-aluminium filler 350/4..... | 0.14 | 9.20 |
| 29-300-43 ... M | XT aluminium filler 300/8..... | 0.24 | 10.14 |
| 29-300-44 ... M | XT aluminium filler 300/6..... | 0.18 | 9.07 |
| 29-300-45 ... M | XT aluminium filler 300/5..... | 0.15 | 8.70 |
| 29-300-46 ... M | XT aluminium filler 300/4..... | 0.12 | 7.89 |
| 29-300-33 ... M | 350-aluminium filler 250/8..... | 0.20 | 8.55 |
| 29-300-34 ... M | 350-aluminium filler 250/6..... | 0.15 | 7.65 |
| 29-300-35 ... M | 350-aluminium filler 250/5..... | 0.13 | 7.40 |
| 29-300-36 ... M | 350-aluminium filler 250/4..... | 0.10 | 6.63 |
| 29-300-38 ... M | 350-aluminium filler 125/8..... | 0.10 | 4.47 |
| 29-300-39 ... M | 350-aluminium filler 125/6..... | 0.07 | 3.98 |
| 29-300-40 ... M | 350-aluminium filler 125/5..... | 0.06 | 3.90 |
| 29-300-41 ... M | 350-aluminium filler 125/4..... | 0.05 | 3.43 |



M-timber profile

Timber profile with groove. Used to support job-built length compensations of 17 cm or more or to connect job-built formwork with a 21 mm shuttering panels. Attached to Mammut XT panels with two or three assembly locks. Delivery in and weight for pairs.

| Ref.-No. | Description / Application | kg |
|-----------------|--------------------------------|-------|
| 29-400-02 ... M | 350-timber profile 350/21..... | 10.10 |
| 29-400-05 ... M | timber profile 300/21..... | 8.70 |
| 29-400-15 ... M | timber profile 250/21..... | 7.30 |
| 29-400-17 ... M | timber profile 125/21..... | 3.60 |



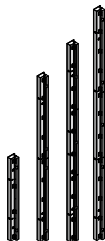
Wall formwork

Mammut XT

XT compensation panel

Galvanized. Used to create length compensations between 20 and 50 cm. With integrated plastic nailing strip to attach the facing (20 mm). Delivery in and weight for pairs.

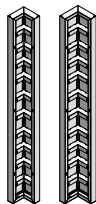
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|-------|
| 23-153-00 ... | XT compensation panel 350 | 75.10 |
| 23-153-05 ... | XT compensation panel 300 | 65.00 |
| 23-153-10.... | XT compensation panel 250 | 53.80 |
| 23-153-15.... | XT compensation panel 125 | 27.60 |



Mammut XT inside corner 350

Galvanized. For 90° corners, side lengths 35 and 40 cm. Steel frame with conical anchor sleeves for tying, equipped with with struts for crane movement and alkus facing. Cross stiffeners equipped with welded-in DW-threaded nuts.

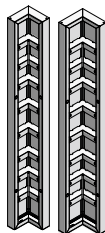
| Ref.-No. | Description / Application | m ² | kg |
|---------------|-------------------------------|----------------|--------|
| 23-152-00 ... | Mammut XT IC.....350/35 | 2.45 .. | 149.00 |
| 23-152-20 ... | Mammut XT IC.....350/40 | 2.80 .. | 164.00 |



Mammut XT inside corner 300

Galvanized. For 90° corners, side lengths 35 and 40 cm. Steel frame with conical anchor sleeves for tying, equipped with with struts for crane movement and alkus facing. Cross stiffeners equipped with welded-in DW-threaded nuts.

| Ref.-No. | Description / Application | m ² | kg |
|---------------|-------------------------------|----------------|--------|
| 23-152-05 ... | Mammut XT IC.....300/35 | 2.10 .. | 126.50 |
| 23-152-25 ... | Mammut XT IC.....300/40 | 2.40 .. | 140.00 |

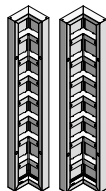


Wall formwork

Mammut XT

Mammut XT inside corner 250

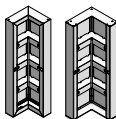
Galvanized. For 90° corners, side lengths 35 and 40 cm. Steel frame with conical anchor sleeves for tying, equipped with with struts for crane movement and alkus facing. Cross stiffeners equipped with welded-in DW-threaded nuts.



| Ref.-No. | Description / Application | m ² | kg |
|---------------|-------------------------------|----------------|--------|
| 23-152-10... | Mammut XT IC.....250/35 | 1.75 .. | 108.50 |
| 23-152-30 ... | Mammut XT IC.....250/40 | 2.00 .. | 119.50 |

Mammut XT inside corner 125

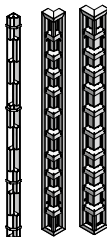
Galvanized. For 90° corners, side lengths 35 and 40 cm. Steel frame with conical anchor sleeves for tying, equipped with with struts for crane movement and alkus facing. Cross stiffeners equipped with welded-in DW-threaded nuts.



| Ref.-No. | Description / Application | m ² | kg |
|---------------|-------------------------------|----------------|-------|
| 23-152-15... | Mammut XT IC.....125/35 | 0.88 | 56.30 |
| 23-152-35 ... | Mammut XT IC.....125/40 | 1.00 | 62.50 |

Mammut outside corner 350

Galvanized. For 90° corners. Side lengths 0, 10 and 15 cm. Steel frame with alkus facing. Cross stiffeners with welded-in DW-threaded nuts; corners with side lengths 10 and 15 cm equipped with with struts for crane movement.



| Ref.-No. | Description / Application | m ² | kg |
|---------------|--------------------------------|----------------|--------|
| 23-140-30 ... | Mammut 350 OC350..... | | 78.00 |
| 23-152-50 ... | Mammut XT OC350/10 | 0.70 .. | 101.30 |
| 23-152-70 ... | Mammut XT OC350/15 | 1.05 .. | 120.70 |

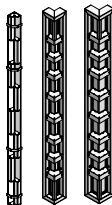
Wall formwork

Mammut XT

Mammut outside corner 300

Galvanized. For 90° corners. Side lengths 0, 10 and 15 cm.
Steel frame with alkus facing. Cross stiffeners with welded-in DW-threaded nuts; corners with side lengths 10 and 15 cm equipped with with struts for crane movement.

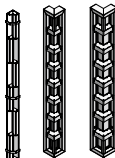
| Ref.-No. | Description / Application | m ² | kg |
|---------------|--------------------------------|----------------|--------|
| 23-140-00 ... | Mammut OC300..... | | 66.60 |
| 23-152-55 ... | Mammut XT OC300/10 | 0.60 | 86.60 |
| 23-152-75 ... | Mammut XT OC300/15 | 0.90 | 103.00 |



Mammut outside corner 250

Galvanized. For 90° corners. Side lengths 0, 10 and 15 cm.
Steel frame with alkus facing. Cross stiffeners with welded-in DW-threaded nuts; corners with side lengths 10 and 15 cm equipped with with struts for crane movement.

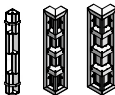
| Ref.-No. | Description / Application | m ² | kg |
|---------------|--------------------------------|----------------|-------|
| 23-140-10.... | Mammut OC250..... | | 55.20 |
| 23-152-60 ... | Mammut XT OC250/10 | 0.50 | 73.60 |
| 23-152-80 ... | Mammut XT OC250/15 | 0.75 | 88.00 |



Mammut outside corner 125

Galvanized. For 90° corners. Side lengths 0, 10 and 15 cm.
Steel frame with alkus facing. Cross stiffeners with welded-in DW-threaded nuts; corners with side lengths 10 and 15 cm equipped with with struts for crane movement.

| Ref.-No. | Description / Application | m ² | kg |
|---------------|--------------------------------|----------------|-------|
| 23-140-20 ... | Mammut OC125..... | | 28.50 |
| 23-152-65 ... | Mammut XT OC125/10 | 0.25 | 38.20 |
| 23-152-85 ... | Mammut XT OC125/15 | 0.38 | 45.50 |



Wall formwork

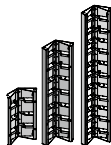
Mammut XT

Mammut hinged inside corner

Steel construction with steel sheeting. Primed and cavity-sealed.

Side length 40 cm. Adjustable angle 60° - 180°.

| Ref.-No. | Description / Application | m ² | kg |
|---------------|----------------------------------|----------------|--------|
| 23-137-30 ... | Mammut 350 HIC350/40 | 2.80 .. | 235.00 |
| 23-137-53 ... | Mammut XT HIC300/40 | 2.40 .. | 194.00 |
| 23-137-41 ... | Mammut HIC250/40 | 2.00 .. | 166.00 |
| 23-137-51 ... | Mammut HIC125/40 | 1.00 | 85.50 |

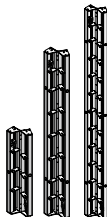


Mammut hinged outside corner

Steel construction with steel sheeting. Primed and cavity-sealed.

Side length 12.5 cm. Adjustable angle 60° - 180°.

| Ref.-No. | Description / Application | m ² | kg |
|---------------|-----------------------------------|----------------|--------|
| 23-137-70.... | Mammut 350 HOC.....350/12,5 | 0.88 .. | 114.60 |
| 23-137-93 ... | Mammut XT HOC300/12,5 | 0.75 | 96.20 |
| 23-137-81 ... | Mammut HOC.....250/12,5 | 0.63 | 81.60 |
| 23-137-91 ... | Mammut HOC.....125/12,5 | 0.31 | 42.00 |

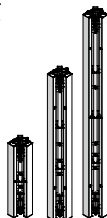


Mammut stripping corner

Steel construction with steel sheeting. Side length 25 cm. With tie holes.

When the bell-crank lever is pushed upwards with a crowbar, the corner is removed 17.5 mm away from the concrete and the formwork 35 mm away from the concrete on both sides.

| Ref.-No. | Description / Application | m ² | kg |
|---------------|--------------------------------|----------------|--------|
| 23-151-00 ... | Mammut 350 SC.....350/25 | 1.75 .. | 189.71 |
| 23-151-20 ... | Mammut 350 SC.....250/25 | 1.25 .. | 141.06 |
| 23-151-30 ... | Mammut 350 SC.....125/25 | 0.63 | 80.30 |



Wall formwork

Mammut XT

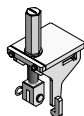
Adhesive tape, red

Not shown. Reinforced adhesive tape, red, 50 mm wide, 50 running metres. Total thickness: 270 µm. Natural rubber adhesive on one side. PE-coated.

| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------------|------|
| 41-912-10 | ... Adhesive tape 50 m, red | 0.83 |

Stripping corner tool

Is used to easily activate the stripping corner from above. It can be activated and returned to its original position. It is operated with a power screwdriver, a ratchet wrench or a spanner (SW 36).



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------|------|
| 29-306-32 | ... Stripping corner tool | 6.60 |

M assembly lock

Galvanized. Tightly connects and aligns Mammut panels. Clamping length 12 cm.

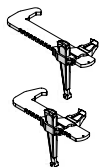
| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-400-71 | ... M assembly lock..... | 3.00 |



Uni-assembly lock

Galvanized. For stepless compensation. Clamping length 22 cm or 28 cm.

| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------|------|
| 29-400-85 | ... Uni-assembly lock 22..... | 3.60 |
| 29-400-90 | ... Uni-assembly lock 28..... | 3.90 |



Wall formwork

RS-assembly lock

Galvanized, For stepless length compensation.

Clamping length is 11.9 to 20.5 cm for stepless compensation.

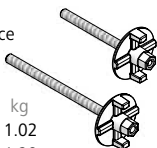
| Ref.-No. | Description / Application | kg |
|-----------|----------------------------|------|
| 23-807-70 | ... RS-assembly lock | 4.70 |



Flange screw

Galvanized. Is used to attach accessories, e.g. alignment rails, brace frames, push-pull props, etc. Length of thread 18 cm or 27 cm.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-401-10 | ... Flange screw 18 | 1.02 |
| 29-401-12 | ... Flange screw 28 | 1.28 |



M cross stiffener 44

Galvanized. Short alignment rail used to brace panel joints for crane ganging and to reinforce length compensations.

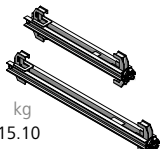
| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------|------|
| 29-401-02 | ... M cross stiffener 44..... | 6.30 |



Stop end bracket

Galvanized. Is used to form stop ends. Stop end bracket 40/60 for wall thickness up to 40 cm. Stop end bracket 2.5' - 60/23 for wall thickness up to 75 cm.

| Ref.-No. | Description / Application | kg |
|-----------|--|-------|
| 29-105-50 | ... Stop end bracket 40/60..... | 15.10 |
| 29-105-60 | ... Stop end bracket 2.5' - 60/23..... | 19.50 |

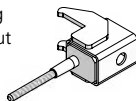


Wall formwork

Mammut XT

Column clamp

Galvanized. Is used to attach alignment rails to panels when forming stop ends. Suited for 60 mm frame profiles of Mammut and Mammut 350 panels. A flange nut 100 or an articulated flange nut 15/120 is also required. The column clamp is attached to the multi-function profile with a flange screw 18.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------|------|
| 29-402-70 | ... Column clamp 21, galv. | 4.00 |

Plug

PVC. Used to seal unused Mammut XT tie holes. D35/... for XT tie hole, D27/... for frame tie hole.



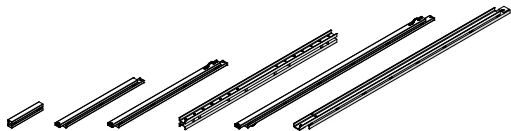
| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-902-71 | ... Plug D35/38 | 0.01 |
| 29-902-72 | ... Plug D35/38 without imprint | 0.01 |
| 29-902-61 | ... Plug D27/30 | 0.01 |
| 29-902-68 | ... Plug D27 without imprint, flat | 0.01 |
| 29-902-62 | ... Plug D20 without imprint | 0.01 |
| 29-902-63 | ... Plug D20 red | 0.01 |

Wall formwork

Mammut XT

Alignment rail

Galvanized. Used to brace panel joints for crane ganging, to bridge problem areas, to brace compensation areas and to create stop ends with column clamps. Attached to the formwork by means of flange screws.



| Ref.-No. | Description / Application | kg |
|---------------|--|--------|
| 29-400-95 ... | M-alignment rail 75, galv..... | 11.00 |
| 29-201-75 ... | AS-alignment rail 125, galv..... | 10.50 |
| 29-400-92 ... | M-alignment rail 180, galv..... | 24.80 |
| 29-402-50 ... | M-alignment rail 250, galv..... | 34.50 |
| 29-403-05 ... | Cross beam 300 | 60.00 |
| 29-402-45 ... | M-alignment rail 350, reinforced | 124.00 |
| 29-402-38 ... | M-alignment rail 450, reinforced | 159.00 |

Support angle for walkway brackets

Galvanized. Is used to support a walkway bracket if the DW-nut on the multi-function profile is covered by an alignment rail. In this case the mounting bracket is fixed to the panel through the alignment rail by a separate flange screw.



| Ref.-No. | Description / Application | kg |
|---------------|---|------|
| 29-106-95 ... | Support angle for walkway brackets..... | 2.70 |

Spacer

alkus-sheet to maintain the distance between the wall thickness. Is inserted between the formwork at the top. For wall thickness 25 cm and 30 cm or 20 cm and 24 cm.

| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|------|
| 29-901-62 ... | Spacer 25/30 AL20/17 | 0.72 |
| 29-901-52 ... | Spacer 20/24 AL20/17 | 0.60 |

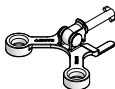


Wall formwork

Mammut XT

Tie rod fixture

Galvanized. Used to hold DW tie rods with articulated flange nut, XT tie rods or XT taper ties. Can be used with horizontal or vertical MEVA wall formwork panels.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-927-05 ... | Tie rod fixture Ø35 | 1.20 |

XT tie rod DW 20

Uncoated, with DW 20 thread. DIN 18216, not weldable. Used for single-sided and conventional tying of panels on double-sided formwork. Permissible load 160 kN. With integrated articulated flange nut. Length = 75 cm for wall thickness up to 40 cm, Length = 120 cm for wall thickness up to 85 cm.



| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|------|
| 23-154-35 ... | XT tie rod DW 20/75 | 4.75 |
| 23-154-40 ... | XT tie rod DW 20/120 | 5.89 |

XT cone DW 20

PE; used on the initial formwork of Mammut XT when using the XT tie rod DW 20 in order to set the distance. Replaces XT sleeve (29-902-36).



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-902-37 ... | XT cone DW 20 | 0.02 |

Wall formwork

Mammut XT

Plastic tube D23

Plastic tube for use as an anchor sleeve for a XT tie rod DW 20.

| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|------|
| 29-902-31 ... | Plastic tube D23/200 | 0.44 |
| 29-902-03 ... | Plastic tube D23/18 | 0.04 |
| 29-902-04 ... | Plastic tube D23/23 | 0.05 |
| 29-902-05 ... | Plastic tube D23/28 | 0.06 |
| 29-902-06 ... | Plastic tube D23/33 | 0.08 |



XT taper tie 23/...

Coated, with DW thread and conical, smooth middle section. Used for single-sided tying of panels on double-sided formwork. Permissible load 160 kN. With Adjustment screw for precise wall thickness adjustment between 15 - 25 cm, 20 - 30 cm, 35 - 45 cm, 45 - 55 cm and 60 - 70 cm.



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 23-154-60 ... | XT taper tie 23/15-25 | 5.71 |
| 23-154-65 ... | XT taper tie 23/20-30 | 5.94 |
| 23-154-70 ... | XT taper tie 23/35-45 | 6.63 |
| 23-154-75 ... | XT taper tie 23/45-55 | 7.10 |
| 23-154-80 ... | XT taper tie 23/60-70 | 7.90 |

XT taper tie Ratchet spanner Set

Not shown, tool set used to tighten and loose XT taper ties. It consists of: Ratchet spanner, chrome-plated and polished, length 53 cm. Spanner socket AF17, black-oxidized for XT taper ties 20. Spanner socket AF19, black-oxidized for XT taper ties 23.

| Ref.-No. | Description / Application | kg |
|---------------|--|------|
| 29-800-25 ... | XT taper tie Ratchet spanner Set | 3.00 |

Wall formwork

Divinol Wax

Not shown. Paste-like solvent-based wax suitable for all formwork (wood, steel, plastic-coated). Rain resistant. Recommended for use on the XT taper ties.

| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------|------|
| 29-203-30 | ... Divinol pasty wax | 1.10 |

FB-Aktivstop XT 20 SET

Plug made of fibre concrete with an integrated expansion seal to close tapered openings in the wall incl. hammering aid. Only suitable for XT taper tie 20/...

| Ref.-No. | Description / Application | kg |
|-----------|----------------------------------|------|
| 29-902-41 | ... FB-Aktivstop XT 20 SET | 3.50 |

XT taper tie seal kit

Cylindric jacking ring with EPDM sealing washer and aluminium thread bolt M8, diam. 23 or 24 mm, length 80 mm. Used for subsequent sealing of XT taper tie anchor points in the wall (watertight).

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------------|------|
| 29-902-38 | ... XT taper tie seal kit 23x80 | 0.08 |

XT wrench for seal kit

Not shown. Wrench with depth stop incl. socket 13x65 mm for the installation of XT-Taper tie seal kits, for wall thickness up to 50 cm. Wrench size 13 mm. In order to accomplish the correct tightening of 14 Nm we recommend the application of a torque wrench.

| Ref.-No. | Description / Application | kg |
|-----------|----------------------------------|------|
| 23-154-97 | ... XT wrench for seal kit | 0.22 |

Wall formwork

Mammut XT

XT sealing cone

Plastic. Used to seal the tie holes when using the XT tie rod and the XT taper tie.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------|------|
| 29-902-34 | ...XT sealing cone 5 AL20..... | 0.01 |
| 29-902-35 | ...XT sealing cone 10 AL20..... | 0.01 |

XT Fibre concrete plug 47 x 8,5

Nor shown. Made of fibre concrete, to close anchor points on the walls when using XT-seal cones 10 (29-902-35), the plugs are glued in place by concrete glue A + B (53-210-70)

| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-902-82 | ...XT Fibre concrete plug 47 x 8,5..... | 0.03 |

Concrete glue A + B

Not shown. 2-component concrete glue for fair-faced concrete plugs. Quantity is sufficient for 150 plugs.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------|------|
| 53-210-70 | ... Concrete glue (A + B) | 1.00 |

XT plug D46

Grey plastic. Used to close the tie holes in the concrete when using XT DW tie rods with plastic tubes or when using XT taper ties. The XT plug D46 is recessed in the shadow gap. Two sealing plugs are required per anchor point.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-902-81 | ...XT plug D46..... | 0.01 |

Wall formwork

XT combi-lever

Galvanized. Used to rotate and adjust the XT tie hole.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 23-154-90 | ...XT combi lever | 0.30 |

Tie rod DW

Uncoated, not weldable; DIN 18216; with DW thread; admissible load capacity 160 kN (Ø 20 mm); is used to tie panels of a double-sided formwork.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-900-97 | ...Tie rod DW 20/120..... | 3.00 |

Articulated flange nut

Forged, galvanized. DIN 18216, with DW thread Ø 20 mm, plate Ø 140 mm, max. inclination 10°, WAF 36 mm. Permissible load 160 kN.



| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-900-05 | ...Articulated flange nut 20/140 | 2.40 |

Cone for plastic tube

Available with 10 mm covering.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------------|------|
| 29-902-55 | ... Cone for plastic tube D32/10..... | 0.01 |

Plastic tube D32

Plastic tube for use as an anchor sleeve for a tie rod DW20.



| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------|------|
| 29-902-28 | ... Plastic tube D32/200 | 0.40 |

Wall formwork

Mammut XT

Plug D32

For closing the anchor points in the wall when using grooved Plastic tubes D32. Two plugs are required per anchor point.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-902-58 ... | Plug D32 | 0.01 |



Tie hole plug

Polypropylene, for closing anchor points Ø 27 mm or 35 mm in alkus AL 20 sheets.

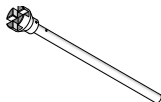
| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-902-78 ... | Tie hole plug D27 x 20 | 0.01 |
| 29-902-79 ... | Tie hole plug D35 x 20 | 0.02 |
| 29-902-80 ... | Tie hole plug D35 x 27 | 0.02 |



Tie wrench DW15/DW20

Made of steel, galvanized. Used to screw in, screw out and hold tie rods DW15 and DW20; length 400 mm.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-901-39 ... | Tie wrench DW15/DW20..... | 3.10 |



Spanner

Yellow chromatised bit. WAF 36 mm. Used to tighten and loosen XT tie rod DW 20 and articulated flange nuts 20/140.

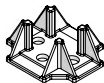
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-800-15 ... | Spanner SW 36 | 3.30 |



Wall formwork

Uni-tie claw

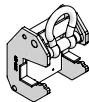
Galvanized. Permits tying directly above or beside the panels. Is suited for panels with profile widths of 40 and 60 mm.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-901-41 ... | Uni-tie claw..... | 1.52 |

M crane hook

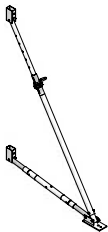
Used to move panels. Self-locking; load capacity 15 kN (1.5 tons). Each gang requires two crane hooks. Refer to the operating instructions for the application and safety inspection.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-401-21 ... | M crane hook..... | 9.63 |

Brace frame 250

Galvanized. Available with formwork-prop connector. Is used to align and brace the formwork. Consists of a push-pull prop R 250 (190 - 320 cm), a brace SRL 120 (90 - 150 cm) and a double-jointed footplate. The formwork-prop connectors are attached to the formwork with flange screws 18.



| Ref.-No. | Description / Application | kg |
|---------------|--|-------|
| 29-109-20 ... | Brace frame 250 with formwork-prop connector.... | 31.50 |

Formwork-prop connector

Galvanized. Including head bolt 16/90 and cotter pin 4. Used to connect brace frames, braces and push-pull props to the multi-function profile with flange screw 18. Maximum tube diameter of the braces and push-pull props is 48 mm.



| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------|------|
| 29-804-85 ... | Formwork-prop connector | 1.65 |

Wall formwork

Push-pull prop R

Galvanized. Guarantee tensile and compression strength. Align and brace wall formwork. Length of thread 20.6 cm. Foot plates and formwork-prop-connectors to be ordered separately.



| Ref.-No. | Description / Application | kg |
|---------------|--|-------|
| 29-109-40 ... | Push-pull prop R 160..(135-200) | 12.60 |
| 29-109-60 ... | Push-pull prop R 250..(190-320) | 17.20 |
| 29-109-80 ... | Push-pull prop R 460 ..(340-520) | 34.00 |
| 29-109-85 ... | Push-pull prop R 630..(510-760) | 57.00 |

Brace SRL

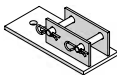
Galvanized. Guarantees tensile and compression strength. Consists of a right and left-hand spindle as well as a revolving central part. Aligns and supports wall and column formwork. The footplate and connectors must be ordered separately.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------------|-------|
| 29-108-80 ... | Brace SRL 120(90-150)..... | 8.79 |
| 29-108-90 ... | Brace SRL 170(120-220) | 11.50 |

Foot plate

Galvanized. With head bolt 16/90 and cotter pin 4. Serves as foot plate for brace frames 250 and as connector for braces and push-pull props up to Ø 57 mm.



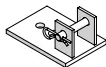
| Ref.-No. | Description / Application | kg |
|----------------|---|------|
| 29-402-32..... | Double-jointed foot plate (prop diam. up to 57 mm)..... | 4.00 |
| 79-427-50 ... | Foot plate 60 (prop diam. up to 57 mm)..... | 3.00 |



Wall formwork

Articulated foot plate

Galvanized. With head bolt 16/90 and cotter pin 4.
For push-pull props and braces of up to Ø 57 mm.



| Ref.-No. | Description / Application | kg |
|---------------|---|------|
| 29-802-48 ... | Articulated foot plate (prop diam. up to 57 mm) | 2.30 |

Head bolt 16/90

Galvanized. Is used to attach push-pull props and braces to foot plates and formwork-prop connectors.



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 42-413-50 ... | Head bolt 16/90, galv. | 0.17 |

Cotter pin 4

Galvanized. Locks the head bolt.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 62-010-04 ... | Cotter pin 4..... | 0.02 |

Linchpin 4.5

Not shown. Galvanized. Locks the head bolt.

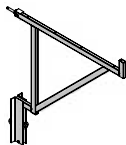
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 62-010-03 ... | Linchpin 4.5 | 0.01 |

Wall formwork

Mammut XT

Walkway bracket

Galvanized, yellow, pluggable. Is used as working and safety scaffold. Is attached to the multi-function profile and secured to the multi-function profile below with a flange screw 18. The planking can be mounted to the brackets. Working width approx. 90 cm. MEVA Guardrailing post is also required. Bracket spacing depends on type of planking (DIN 4420).



| Ref.-No. | Description / Application | kg |
|-----------|--|-------|
| 29-106-00 | ... Walkway bracket 90 (yellow), galv..... | 10.30 |

Guardrailing post

Galvanized. Is plugged into the walkway bracket.

| Ref.-No. | Description / Application | kg |
|-----------|----------------------------------|------|
| 29-106-75 | ... Guard-railing post 100 | 3.70 |
| 29-106-85 | ... Guard-railing post 140 | 4.70 |



Guardrailing post 48

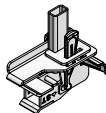
Galvanized. With manifold to be plugged into the walkway bracket and with 48 mm Ø tube to attach scaffold couplers.

| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-106-80 | ... Guard-railing post 48/120 (UK)..... | 5.50 |



Tilting bracket 40/60

Galvanized. Used to attach MEVA guardrailing posts to create a fall protection system. It can be set up vertically to facilitate the installation of safety meshes or railing boards or inclined by 15° to create a larger working area. Secured with a wedge to the frame profile of 40 and 60 mm.



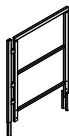
| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------|------|
| 29-920-82 | ... Tilting bracket 40/60 | 4.90 |

Wall formwork

Side railing

Galvanized. Is plugged into the walkway bracket.

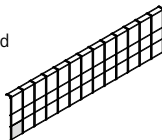
| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------------|-------|
| 29-108-20 | ... Side railing 90/100, galv. | 12.30 |



Safety mesh

Painted steel. Robust steel mesh with reinforced edges and closed steel sheet to prevent small items from falling down. The mesh replaces railings, toe board and net in one single part. DIN EN 13374 Class A.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------|-------|
| 29-920-00 | ... Safety mesh 1100/2490 | 15.00 |
| 29-920-05 | ... Safety mesh 600/2490 | 9.80 |



Universal shoe MFS

Galvanized; forms a fall protection device in conjunction with the MEVA guardrailing post and the safety mesh MFS. Can be used to provide lateral protection on horizontal and vertical components.

| Ref.-No. | Description / Application | kg |
|-----------|------------------------------|------|
| 29-921-72 | ... Universal shoe MFS | 2.10 |



Scaffold tube

Galvanized. Is used as hand-rail / mid-rail in combination with guardrailing post 48.

| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------|-------|
| 29-412-23 | ... Scaffold tube 48/200..... | 9.40 |
| 29-412-26 | ... Scaffold tube 48/300..... | 14.10 |
| 29-412-27 | ... Scaffold tube 48/400..... | 18.80 |



Wall formwork

Mammut XT

Swivel-joint coupler 48/48

Galvanized. Connects 2 scaffold tubes with Ø 48.3 mm at any angle required.

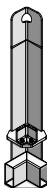
| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------------|------|
| 29-412-52 | ... Swivel-joint coupler 48/48..... | 1.20 |



Stacking angle 60/40/23

Steel, galvanized. Used to stack and transport two to five wall formwork panels of the same size with frame profile widths of 60 mm, 40 mm or 23 mm. Four stacking angles 60/40/23 are required for each panel stack. The permissible load capacity per stacking angle is 15 kN (1.5 t). Refer to the stacking angle Operating Instructions for application and safety test.

| Ref.-No. | Description / Application | kg |
|-----------|----------------------------------|------|
| 29-305-45 | ... Stacking angle 60/40/23..... | 9.60 |



Lifting hook 60

Galvanized. Allows any 4-rope crane slings available on site to be used to move panel stacks. Always use 4 hooks at a time. Max. load capacity 10 kN (1 ton) per lifting hook. Max. weight of a panel stack 2 tons. Refer to the lifting hook Operating Instructions for application and safety test.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-401-40 | ... Lifting hook 60..... | 1.70 |

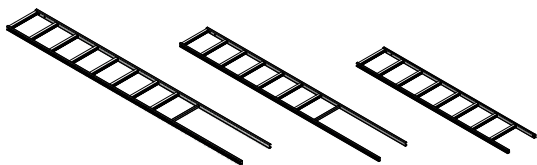


Wall formwork

Mammut XT

Ladder

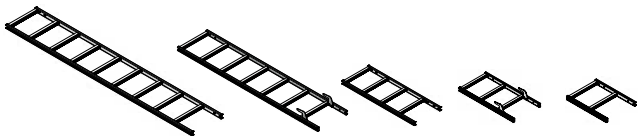
Galvanized. Can be extended with extension ladders. Safety cages are required for operational safety.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-414-50 ... | Ladder 348..... | 23.20 |
| 29-414-55 ... | Ladder 318..... | 21.10 |
| 29-416-50 ... | Ladder 243..... | 17.20 |

Extension ladder

Galvanized. Depending on the required height, the extension ladder is either hooked into the steps of the ladder or bolted to the ladder with the ladder connector.

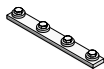


| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-416-52 ... | Extension ladder 270..... | 19.20 |
| 29-414-60 ... | Extension ladder 210..... | 15.80 |
| 29-416-55 ... | Extension ladder 120..... | 8.50 |
| 29-416-60 ... | Extension ladder 90..... | 7.40 |
| 29-416-62 ... | Extension ladder 60..... | 4.40 |

Wall formwork

Ladder connector

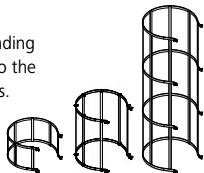
Galvanized. Connects the joint of two extension ladders without the need to hook one ladder into a step of the other.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-414-70 ... | Ladder connector | 1.03 |

Safety cage

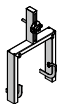
Galvanized. Internal Ø 70 cm. Protects workers when ascending and descending the ladder. The safety cages are attached to the (extension) ladders with the integrated hammerhead screws.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-414-85 ... | Safety cage 210 | 27.60 |
| 29-414-90 ... | Safety cage 85 | 12.10 |
| 29-416-90 ... | Safety cage 40 | 8.20 |

Ladder fixture, upper wall formwork

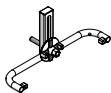
Galvanized. Attached to the multi-function profile at the top of the horizontal or vertical panel to hold the ladder or extension ladder.



| Ref.-No. | Description / Application | kg |
|---------------|---|------|
| 29-416-82 ... | Ladder fixture, upper wall formwork - top | 7.90 |

Ladder fixture, lower wall formwork

Galvanized. Attached to the multi-function profile at the bottom of the horizontal or vertical panel to hold the ladder or extension ladder.



| Ref.-No. | Description / Application | kg |
|---------------|--|------|
| 29-416-84 ... | Ladder fixture, lower wall formwork - bottom | 2.40 |



MEVA Integrated Safety

MIS platform 250

Galvanized with aluminium flooring. Foldable platform for secure attachment to the Mammut XT panel with a width of 250 cm. With formwork-prop connectors for push-pull props and brace frames as well as integrated assembly lock holders and tie rod holders. Working width 90 cm. Permissible loading 150 kg/m².



| Ref.-No. | Description / Application | kg |
|----------|-----------------------------|--------|
| X22-0029 | MIS platform 250 | 195.00 |

MIS platform 250 with hatch

Galvanized with aluminium flooring. Foldable platform with hatch and integrated ladder for secure attachment to the Mammut XT panel with a width of 250 cm. With formwork-prop connectors for push-pull props and brace frames as well as integrated assembly lock holders and tie rod holders. Working width 90 cm. Permissible loading 150 kg/m².



| Ref.-No. | Description / Application | kg |
|----------|--|--------|
| X22-0030 | MIS platform 250 with hatch | 230.00 |

MIS platform 125

Galvanized with aluminium flooring. Foldable platform for secure attachment to the Mammut XT panel with a width of 125 cm. With formwork-prop connectors for push-pull props and brace frames as well as integrated assembly lock holders and tie rod holders. Working width 90 cm. Permissible loading 150 kg/m².



| Ref.-No. | Description / Application | kg |
|----------|-----------------------------|--------|
| X22-0031 | MIS platform 125 | 153.03 |

MEVA Integrated Safety

MIS linkage

Galvanized. Connects the MIS platform to the Mammut XT panel with two integrated DW15 x 100 bolts (WAF 30). The position of the platform can be defined by selecting the attachment points. The MIS linkage is already installed on the MIS platform upon delivery.



| Ref.-No. | Description / Application | kg |
|----------|---------------------------|-------|
| X22-0041 | MIS linkage | 27.25 |

MIS linkage extension

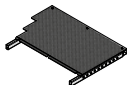
Galvanized. Serves as an extension of the linkage with connecting coupling. Always use two linkage extensions. Two DW15 x 100 bolts (WAF 30) must be ordered separately for each linkage extension..



| Ref.-No. | Description / Application | kg |
|-----------|----------------------------------|-------|
| X22-0042 | MIS linkage extension | 27.60 |
| 31-312-05 | ... Bolt 15 x 100 WAF 30 | 0.28 |

MIS platform extension 500 right

Galvanized with aluminium flooring. Inserted in the platform from the right-hand side and overlaps the platform flooring. It extends the MIS platform by 5 cm to 50 cm and can be locked in place in 2.5 cm steps. For length compensation the MIS side railing can be used as a rear railing.

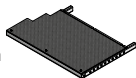


| Ref.-No. | Description / Application | kg |
|----------|---|-------|
| X22-0034 | MIS platform extension 500 right | 16.30 |

MEVA Integrated Safety

MIS platform extension 500 left

Galvanized with aluminium flooring. Inserted in the platform from the left-hand side and overlaps the platform flooring. It extends the MIS platform by 5 cm to 50 cm and can be locked in place in 2.5 cm steps. For length compensation the MIS side railing can be used as a rear railing.



| Ref.-No. | Description / Application | kg |
|----------|--|-------|
| X22-0036 | MIS platform extension 500 left | 16.30 |

MIS platform extension 300 right

Galvanized with aluminium flooring. Inserted in the platform from the right-hand side and overlaps the platform flooring. It extends the MIS platform by 5 cm to 30 cm and can be locked in place in 2.5 cm steps. For length compensation the MIS side railing can be used as a rear railing.



| Ref.-No. | Description / Application | kg |
|----------|---|-------|
| X22-0037 | MIS platform extension 300 right | 12.10 |

MIS platform extension 300 left

Galvanized with aluminium flooring. Inserted in the platform from the left-hand side and overlaps the platform flooring. It extends the MIS platform by 5 cm to 30 cm and can be locked in place in 2.5 cm steps. For length compensation the MIS side railing can be used as a rear railing.



| Ref.-No. | Description / Application | kg |
|----------|--|-------|
| X22-0038 | MIS platform extension 300 left | 12.10 |

MEVA Integrated Safety

MIS side railing

Galvanized. Foldable. Can be locked in three positions and extended by 44 cm. Attached to the cross stiffener of the rear railing frame using the wedge connection. Serves as lateral fall protection on the MIS platform or as rear protection for the platform extension.



| Ref.-No. | Description / Application | kg |
|----------|----------------------------|-------|
| X22-0032 | MIS side railing..... | 14.50 |

MIS front railing post

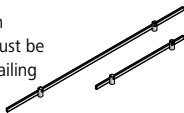
Galvanized. In connection with the MIS handrail, it serves as fall protection on the formwork side. The front railing must be configured to suit the formwork panel width. Two MIS front railing posts and two MIS handrails are always required.



| Ref.-No. | Description / Application | kg |
|----------|----------------------------------|------|
| X22-0033 | MIS front railing post..... | 6.73 |

MIS handrail

Galvanized. It serves as fall protection on the formwork side in connection with the MIS front railing post. The front railing must be configured to suit the formwork panel width. Two MIS front railing posts and two MIS handrails are always required.



| Ref.-No. | Description / Application | kg |
|----------|----------------------------|------|
| X22-0046 | MIS handrail 250..... | 4.83 |
| X22-0047 | MIS handrail 125..... | 2.67 |

MEVA Integrated Safety

Ladder fixture railing SB

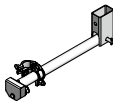
Galvanized. Used to attach the telescopic ladder to the uppermost handrail when a formwork unit is height-extended.



| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------|------|
| 79-603-75 ... | Ladder fixture railing SB..... | 1.05 |

Ladder fixture panel SB

Galvanized. Used to attach the integrated ladder to the formwork panel. One flange screw 18 must be ordered separately.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-603-80 ... | Ladder fixture panel SB..... | 5.30 |

Brace frame 250

Galvanized. Used to align and brace the formwork and MIS platform. Consists of a push-pull prop R 250 (190 – 320), a brace SRL 120 (90 – 150) and a double-jointed foot plate. It is attached to the rails of the MIS platform using the head bolt 16/90 and the linchpin.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-109-25 ... | Brace frame 250..... | 27.50 |

Formwork-prop connector

Galvanized. Including head bolt 16/90 and cotter pin 4. Used to connect brace frames, braces and push-pull props to the multi-function profile with flange screw 18. The maximum tube diameter of the braces and push-pull props is 48 mm.



| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------|------|
| 29-804-85 ... | Formwork-prop connector | 1.65 |

MEVA Integrated Safety

Flange screw 18

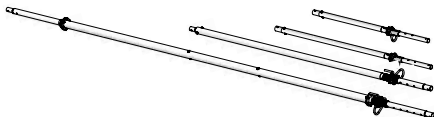
Galvanized. Used to attach accessories such as brace frames, push-pull props, alignment rails, etc. Thread length 18 cm.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-401-10 | ... Flange screw 18 | 1.02 |

Push-pull prop R

Galvanized; guarantees tensile and compression strength. Used to align and support wall formwork. Length of thread 20.6 cm. The foot plate and formwork-prop connectors must be ordered separately.



| Ref.-No. | Description / Application | kg |
|-----------|---|-------|
| 29-109-40 | ... Push-pull prop R 160 ..(135–200)..... | 12.60 |
| 29-109-60 | ... Push-pull prop R 250 ..(190–320)..... | 17.20 |
| 29-109-80 | ... Push-pull prop R 460 ..(340–520)..... | 34.00 |
| 29-109-85 | ... Push-pull prop R 630 ..(510–760)..... | 57.00 |

Brace SRL

Galvanized; guarantees tensile and compression strength. Consists of a right- and left-hand threaded spindle as well as a rotating central section. Serves to additionally brace MIS platforms diagonally above a formwork height of 9.0 m. The foot plate and formwork-prop-connectors must be ordered separately.

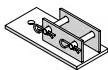


| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------------|------|
| 29-108-80 | ... Brace SRL 120(90–150)..... | 8.79 |

MEVA Integrated Safety

Double-jointed foot plate

Galvanized. Including head bolt 16/90 and cotter pin 4. Foot plate for the brace frame 250. The maximum tube diameter of the braces and push-pull props is 57 mm.



| Ref.-No. | Description / Application | kg |
|----------------|--|------|
| 29-402-32..... | Double-jointed foot plate (prop diam. up to 57 mm) | 4.00 |
| 79-427-50 ... | Foot plate 60 (prop diam. up to 57 mm)..... | 3.00 |



Head bolt 16/90 galv.

Galvanized. Used to attach push-pull props and braces to foot plates and formwork-prop connectors.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 42-413-50 ... | Head bolt 16/90 galv..... | 0.17 |



Cotter pin 4

Galvanized. Secures the head bolt.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 62-010-04 ... | Cotter pin 4..... | 0.02 |



Linchpin 4.5

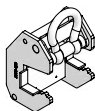
Not shown. Galvanized. Secures the head bolt.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 62-010-03 ... | Linchpin 4.5 | 0.01 |

MEVA Integrated Safety

M crane hook

Used to move panels. Self-locking; load capacity 15 kN (1.5 tons). Each gang requires two crane hooks. Refer to the operating instructions for use and safety inspection.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-401-21 ... | M crane hook..... | 9.63 |

MIS lifting arm M 1750

Galvanized. Use to erect, position and relocate the formwork with the MIS platform installed. The load capacity of each lifting arm is 17.5 kN (1.75 t). Two lifting arms are always required per transport unit.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|-------|
| X22-0040 | MIS lifting arm M 1750 | 25.20 |

Lifting hook 60

Galvanized. Allows any 4-rope crane sling available on-site to be used to move panel stacks (always use four hooks at a time). Load capacity 10 kN (1 ton) per lifting hook, max. weight of a panel stack 2 tons. Refer to the operating instructions for use and safety inspection.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-401-40 ... | Lifting hook 60..... | 1.70 |

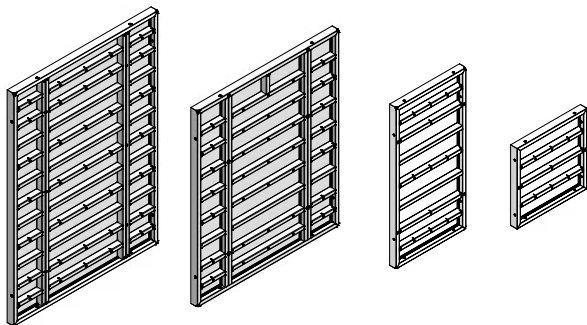


Wall formwork

Mammut 350

Mammut 350-panel

Construction height 12 cm, frame profile width 60 mm. Three tie holes per panel height 350 cm and 300 cm, two tie holes per panel height 250 cm. The frames of Mammut 350 panels are made of closed steel profiles and are torsion-proof. Mammut 350 panels are equipped with alkus facing. All-around grooves and M assembly locks guarantee a stepless, tight and perfectly aligned panel connection. Conical anchor sleeves are welded into the frames. Multi-function profiles allow for an easy, fast and safe attachment of accessories.



| Ref.-No. | Description / Application | m ² | kg |
|---------------|---------------------------------|----------------|--------|
| 23-005-05 ... | Mammut 350 AL.....350/250 | 8.75 .. | 581.50 |
| 23-005-20 ... | Mammut 350 AL.....350/125 | 4.38 .. | 260.00 |
| 23-005-30 ... | Mammut 350 AL.....350/100 | 3.50 .. | 215.50 |
| 23-005-35 ... | Mammut 350 AL.....350/75 | 2.63 .. | 174.00 |
| 23-005-45 ... | Mammut 350 AL.....350/55 | 1.93 .. | 139.00 |
| 23-005-50 ... | Mammut 350 AL.....350/50 | 1.75 .. | 131.00 |
| 23-005-55 ... | Mammut 350 AL.....350/45 | 1.58 .. | 121.00 |
| 23-005-70 ... | Mammut 350 AL.....350/30 | 1.05 .. | 93.20 |
| 23-005-75 ... | Mammut 350 AL.....350/25 | 0.88 .. | 86.00 |

Wall formwork

Mammut 350

| | | |
|---|---------|--------|
| 23-006-05 ... Mammut 350 AL.....300/250 | 7.50 .. | 464.00 |
| 23-006-20 ... Mammut 350 AL.....300/125 | 3.75 .. | 205.00 |
| 23-006-30 ... Mammut 350 AL.....300/100 | 3.00 .. | 170.50 |
| 23-006-35 ... Mammut 350 AL.....300/75 | 2.25 .. | 138.50 |
| 23-006-45 ... Mammut 350 AL.....300/55 | 1.65 .. | 113.00 |
| 23-006-50 ... Mammut 350 AL.....300/50 | 1.50 .. | 106.50 |
| 23-006-55 ... Mammut 350 AL.....300/45 | 1.35 .. | 100.50 |
| 23-006-70 ... Mammut 350 AL.....300/30 | 0.90 .. | 81.50 |
| 23-006-75 ... Mammut 350 AL.....300/25 | 0.75 .. | 75.00 |

| | | |
|---|---------|--------|
| 23-007-20 ... Mammut 350 AL.....250/125 | 3.13 .. | 184.00 |
| 23-007-30 ... Mammut 350 AL.....250/100 | 2.50 .. | 152.00 |
| 23-007-35 ... Mammut 350 AL.....250/75 | 1.88 .. | 123.00 |
| 23-007-45 ... Mammut 350 AL.....250/55 | 1.38 .. | 99.00 |
| 23-007-50 ... Mammut 350 AL.....250/50 | 1.25 .. | 93.00 |
| 23-007-55 ... Mammut 350 AL.....250/45 | 1.13 .. | 87.50 |
| 23-007-70 ... Mammut 350 AL.....250/30 | 0.75 .. | 67.50 |
| 23-007-75 ... Mammut 350 AL.....250/25 | 0.63 .. | 63.00 |

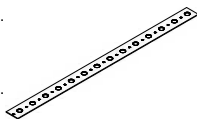
| | | |
|---|---------|-------|
| 23-008-20 ... Mammut 350 AL.....125/125 | 1.56 .. | 98.00 |
| 23-008-30 ... Mammut 350 AL.....125/100 | 1.25 .. | 81.00 |
| 23-008-35 ... Mammut 350 AL.....125/75 | 0.94 .. | 65.00 |
| 23-008-45 ... Mammut 350 AL.....125/55 | 0.69 .. | 52.00 |
| 23-008-50 ... Mammut 350 AL.....125/50 | 0.63 .. | 49.00 |
| 23-008-55 ... Mammut 350 AL.....125/45 | 0.56 .. | 45.50 |
| 23-008-70 ... Mammut 350 AL.....125/30 | 0.38 .. | 36.50 |
| 23-008-75 ... Mammut 350 AL.....125/25 | 0.31 .. | 33.50 |

Foundation tape

Galvanized. Hole spacing 50 mm, hole Ø 16 mm, 50 m long.

Admissible tractive force 10 kN. To be cut at hole center.

Serves together with the appropriate tensioner as a bottom anchoring when panels are assembled in horizontal position.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-307-50 ... | Foundation tape 50 m..... | 20.00 |

Wall formwork

Mammut 350

Tensioner M for foundation tape

Galvanized. Used to connect the foundation tape to the Mammut panels. Two tensioners required per anchoring position.



| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------------|------|
| 29-307-60 | ... Tensioner M for foundation tape | 1.50 |

Trolley for foundation tape

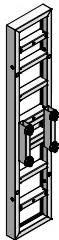
Not shown. Galvanized. Is used to transport and cut foundation tape to length. Suitable for one roll. Pneumatic wheels.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------|-------|
| 29-307-55 | ... Trolley for foundation tape | 21.80 |

Mammut panel 250/50 AL 20 with concreting window

Is used to control the con-cret-ing process when pouring and control is not possible from above.

| Ref.-No. | Description / Application | m ² | kg |
|-----------|-------------------------------|----------------|--------|
| 23-121-10 | ... Mammut AL | | |
| | with concreting window 250/50 | 1.25 | 106.50 |



Mammut panel 250/50 AL 20 with filling nozzle

Is used when concrete can-not be poured from above, e.g. tunnel formwork. Connection with a manual gate valve. Operating pressure: 20 bar.

| Ref.-No. | Description / Application | m ² | kg |
|-----------|---------------------------------------|----------------|-------|
| 73-121-05 | ... Mammut AL | | |
| | with filling nozzle250/50 | 1.25 | 98.50 |
| 29-914-50 | ... Manual gate valve SK 100 - 4½ | | 19.00 |
| 29-207-60 | ... Lever coupling SK-H DN 100 - 4½ | | 3.80 |
| 29-207-50 | ... Filling nozzle cleaner SK 100/800 | | 7.20 |
| 62-031-55 | ... Sealing washer A SK 100 - 4½ | | 0.10 |

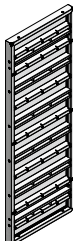


Wall formwork

Mammut 350

Mammut 350-column panel 350

With perforated profile for tensioning screws M350/EA. Can be used to pour columns up to 100 cm wide, pilasters and connections to existing walls. Also usable with hinged corners etc.



| Ref.-No. | Description / Application | m ² | kg |
|---------------|----------------------------------|----------------|--------|
| 23-005-96 ... | Mammut 350 AL-CP...350/125 | 4.38 .. | 325.50 |
| 23-006-96 ... | Mammut 350 AL-CP...300/125 | 3.75 .. | 270.00 |
| 23-007-96 ... | Mammut 350 AL-CP...250/125 | 3.13 .. | 227.00 |
| 23-008-96 ... | Mammut 350 AL-CP...125/125 | 1.56 .. | 120.20 |

Tension screw M350/EA

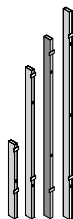
Galvanized. Connects Mammut 350 column panels. A flange nut 100 or an articulated flange nut 15/120 is also required.



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 29-402-98 ... | Tension screw M350/EA | 0.90 |

M 350 aluminium filler

Aluminium with high-quality annealed powder coating. Tie holes. For length adjustments of 5 cm, particularly in corners. 2 or 3 Uni-assembly locks are required for each filler.



| Ref.-No. | Description / Application | m ² | kg |
|---------------|------------------------------------|----------------|-------|
| 29-300-27 ... | M 350-aluminium filler 350/8 | 0.44 | 11.83 |
| 29-300-28 ... | M 350-aluminium filler 350/6 | 0.31 | 10.61 |
| 29-300-30 ... | M 350-aluminium filler 350/5 | 0.18 | 10.30 |
| 29-300-31 ... | M 350-aluminium filler 350/4 | 0.14 | 9.20 |
| 29-300-43 ... | M XT aluminium filler 300/8 | 0.24 | 10.14 |
| 29-300-44 ... | M XT aluminium filler 300/6 | 0.18 | 9.07 |
| 29-300-45 ... | M XT aluminium filler 300/5 | 0.15 | 8.70 |
| 29-300-46 ... | M XT aluminium filler 300/4 | 0.12 | 7.89 |

Wall formwork

Mammut 350

| | | |
|---|------|------|
| 29-300-33 ... M 350-aluminium filler 250/8..... | 0.20 | 8.55 |
| 29-300-34 ... M 350-aluminium filler 250/6..... | 0.15 | 7.65 |
| 29-300-35 ... M 350-aluminium filler 250/5..... | 0.13 | 7.40 |
| 29-300-36 ... M 350-aluminium filler 250/4..... | 0.10 | 6.63 |

| | | |
|---|------|------|
| 29-300-38 ... M 350-aluminium filler 125/8..... | 0.10 | 4.47 |
| 29-300-39 ... M 350-aluminium filler 125/6..... | 0.07 | 3.98 |
| 29-300-40 ... M 350-aluminium filler 125/5..... | 0.06 | 3.90 |
| 29-300-41 ... M 350-aluminium filler 125/4..... | 0.05 | 3.43 |

M-timber profile

Timber profile with groove. To support job-built fillers of 17 cm or more, or to connect job-built formwork with a 21 mm facing; is attached to standard M 350-panels with 2 or 3 M-assembly locks. Delivery and weight by pairs.

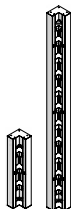
| Ref.-No. | Description / Application | kg |
|---|---------------------------|-------|
| 29-400-02 ... M 350-timber profile 350/21 | | 10.10 |
| 29-400-05 ... M-timber profile 300/21 | | 8.70 |
| 29-400-15 ... M-timber profile 250/21 | | 7.30 |
| 29-400-17 ... M-timber profile 125/21 | | 3.60 |



Mammut inside corner

For 90° corners. Side length 25 cm. Steel frame with tie holes and alklus facing or replaceable steel face.

| Ref.-No. | Description / Application | m ² | kg |
|--|---------------------------|----------------|--------|
| 23-136-40 ... Mammut 350 AL-IC....350/25 | | 1.75 | 119.00 |
| 23-136-50 ... Mammut 350 AL-IC....300/25 | | 1.50 | 99.90 |
| 23-136-60 ... Mammut 350 AL-IC....250/25 | | 1.25 | 85.00 |
| 23-136-70 ... Mammut 350 AL-IC....125/25 | | 0.63 | 44.00 |



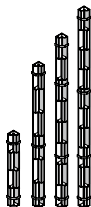
Wall formwork

Mammut 350

Mammut outside corner

Steel construction, galvanized. Provides together with Mammut 350 panels and M assembly locks a tight and fast outside corner solution for 90° corners.

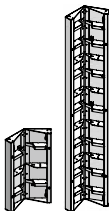
| Ref.-No. | Description / Application | kg |
|---|---------------------------|-------|
| 23-140-30 ... Mammut 350 OC350..... | | 78.00 |
| 23-140-00 ... Mammut OC300..... | | 66.60 |
| 23-140-10 ... Mammut OC250..... | | 55.20 |
| 23-140-20 ... Mammut OC125..... | | 28.50 |



Mammut hinged inside corner

Steel construction with steel sheeting. Primed and cavity-sealed. Side length 40 cm. Adjustable angle 60° - 180°.

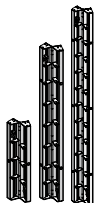
| Ref.-No. | Description / Application | m ² | kg |
|--|---------------------------|----------------|--------|
| 23-137-30 ... Mammut 350 HIC350/40 | | 2.80 | 235.00 |
| 23-137-31 ... Mammut HIC300/40 | | 2.40 | 197.70 |
| 23-137-41 ... Mammut HIC250/40 | | 2.00 | 166.00 |
| 23-137-51 ... Mammut HIC125/40 | | 1.00 | 85.50 |



Mammut hinged outside corner

Steel construction with steel sheeting. Primed and cavity-sealed. Side length 12.5 cm. Adjustable angle 60° - 180°.

| Ref.-No. | Description / Application | m ² | kg |
|--|---------------------------|----------------|--------|
| 23-137-70 ... Mammut 350 HOC350/12,5 | | 0.88 | 114.60 |
| 23-137-71 ... Mammut HOC300/12,5 | | 0.75 | 97.30 |
| 23-137-81 ... Mammut HOC250/12,5 | | 0.63 | 81.60 |
| 23-137-91 ... Mammut HOC125/12,5 | | 0.31 | 42.00 |



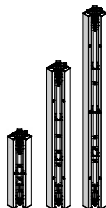
Wall formwork

Mammut 350

Mammut stripping corner

Steel construction with steel sheeting. Side length 25 cm. With tie holes. When the bell-crank lever is pushed upwards with a crowbar, the corner is removed 17.5 mm away from the concrete and the formwork 35 mm away from the concrete on both sides.

| Ref.-No. | Description / Application | m ² | kg |
|---------------|--------------------------------|----------------|--------|
| 23-151-00 ... | Mammut 350 SC.....350/25 | 1.75 .. | 189.71 |
| 23-151-10.... | Mammut 350 SC.....300/25 | 1.50 .. | 162.82 |
| 23-151-20 ... | Mammut 350 SC.....250/25 | 1.25 .. | 141.06 |
| 23-151-30 ... | Mammut 350 SC.....125/25 | 0.63 .. | 80.30 |



Adhesive tape, red

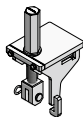
Not shown. Reinforced adhesive tape, red, 50 mm wide, 50 running metres. Total thickness: 270 µm. Natural rubber adhesive on one side. PE-coated.

| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------|------|
| 41-912-10 ... | Adhesive tape 50 m, red | 0.83 |

Stripping corner tool

Is used to easily activate the stripping corner from above. It can be activated and returned to its original position. It is operated with a power screwdriver, a ratchet wrench or a spanner (SW 36).

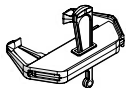
| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 29-306-32 ... | Stripping corner tool | 6.60 |



M assembly lock

Galvanized. Tightly connects and aligns Mammut panels. Clamping length 12 cm.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-400-71 ... | M-assembly lock..... | 3.00 |



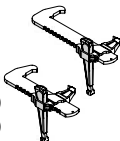
Wall formwork

Mammut 350

Uni-assembly lock

Galvanized. For stepless compensation. Clamping length 22 or 28 cm.

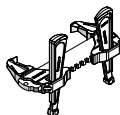
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-400-85 ... | Uni-assembly lock 22..... | 3.60 |
| 29-400-90 ... | Uni-assembly lock 28..... | 3.90 |



RS-assembly lock

Galvanized, For stepless length compensation.
Clamping length is 11.9 to 20.5 cm for stepless compensation.

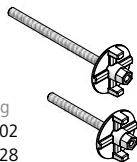
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 23-807-70 ... | RS-assembly lock..... | 4.70 |



Flange screw

Galvanized. Is used to attach accessories, e.g. alignment rails, brace frames, push-pull props, etc. Length of thread 18 cm or 27 cm.

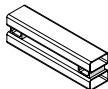
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-401-10 ... | Flange screw 18..... | 1.02 |
| 29-401-12 ... | Flange screw 28..... | 1.28 |



M cross stiffener 44

Galvanized. Short alignment rail that braces panel joints for crane ganging and to reinforces filler areas.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-401-02 ... | M cross stiffener 44..... | 6.30 |



Wall formwork

Mammut 350

Corner angle 40/60

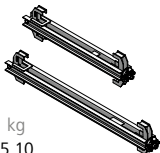
Galvanized. Side lengths 40 and 60 cm. For inside and outside corner.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-402-25 ... | Corner angle 40/60 | 9.40 |

Stop end bracket

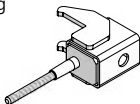
Galvanized. Is used to form stop ends. Stop end bracket 40/60 for wall thickness up to 40 cm. Stop end bracket 2.5' - 60/23 for wall thickness up to 75 cm.



| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------------|-------|
| 29-105-50 ... | Stop end bracket 40/60 | 15.10 |
| 29-105-60 ... | Stop end bracket 2.5' - 60/23 | 19.50 |

M column clamp

Galvanized. Is used to attach alignment rails to panels when forming stop ends. Suited for 60 mm frame profiles. A flange nut 100 or an articulated flange nut 15/120 is also required. The column clamp is attached to the multi-function profile with a flange screw 18.



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 29-402-70 ... | Column clamp 21, galv. | 4.00 |

Plug D27/30

Closes unused Mammut/Mammut 350/Mammut XT-tie holes.

| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------------|------|
| 29-902-61 ... | Plug D27/30 | 0.01 |
| 29-902-68 ... | Plug D27 without imprint, flat | 0.01 |

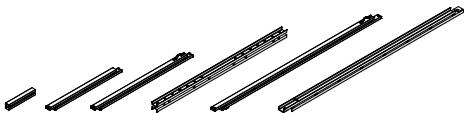


Wall formwork

Mammut 350

M alignment rail

Galvanized. Are used to brace panel joints for crane ganging, bridge problem areas, brace compensation areas and build stop ends with stop end fixtures. Are attached to the formwork with flange screws.



| Ref.-No. | Description / Application | kg |
|---------------|--|--------|
| 29-400-95 ... | M-alignment rail 75, galv..... | 11.00 |
| 29-400-92 ... | M-alignment rail 180, galv..... | 24.80 |
| 29-402-50 ... | M-alignment rail 250, galv..... | 34.50 |
| 29-403-05 ... | Cross beam 300 | 60.00 |
| 29-402-45 ... | M-alignment rail 350, reinforced | 124.00 |
| 29-402-38 ... | M-alignment rail 450, reinforced | 159.00 |

Support angle for walkway brackets

Galvanized. Is used to support a walkway bracket if the DW-nut on the multi-function profile is covered by an alignment rail. In this case the mounting bracket is fixed to the panel through the alignment rail by a separate flange screw.



| Ref.-No. | Description / Application | kg |
|---------------|---|------|
| 29-106-95 ... | Support angle for walkway brackets..... | 2.70 |

Tie rod DW

Uncoated, not weldable; DIN 18216; with DW thread; admissible load capacity 90 kN (Ø 15 mm) or 160 kN (Ø 20 mm); is used to tie panels of a double-sided formwork.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-900-80 ... | Tie rod DW 15/90..... | 1.25 |
| 29-900-97 ... | Tie rod DW 20/120..... | 3.00 |

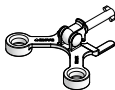


Wall formwork

Mammut 350

Tie rod fixture

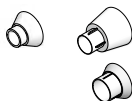
Galvanised. To hold DW tie rods with articulated flange nut, XT tie rods or XT taper ties. Can be used with horizontal or vertical MEVA wall formwork panels.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-927-05 ... | Tie rod fixture Ø35 | 1.20 |

Cone for plastic tube

Available with 10 mm or 30 mm covering.



| Ref.-No. | Description / Application | kg |
|---------------|---|------|
| 29-902-40 ... | Cone for plastic tube D22/10 (10 mm covering) | 0.01 |
| 29-902-50 ... | Cone for plastic tube D22/30 (30 mm covering) | 0.01 |
| 29-902-55 ... | Cone for plastic tube D32/10..... | 0.01 |

Plastic tube

Plastic tube for use as an anchor sleeve for a tie rod DW 15 or DW20. 2 m long.



| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|------|
| 29-902-28 ... | Plastic tube D32/200 | 0.40 |
| 29-902-30 ... | Plastic tube D22/200 | 0.35 |

Plug

Is used to close tie holes in the wall when plastic tubes D22 or D32 are applied. Two plugs are required per tie hole.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-902-70 ... | Plug D22 | 0.01 |
| 29-902-58 ... | Plug D32 | 0.01 |

Wall formwork

Mammut 350

Flange nut 100

Forged, galvanized. DIN 18216. DW thread \varnothing 15 mm, plate \varnothing 100 mm, SW 27 mm. Admissible load capacity 90 kN.

| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-900-20 | ... Flange nut 100 (SW 27, forged) | 0.70 |



Articulated flange nut

Forged, galvanized. DIN 18216. DW thread \varnothing 15 or 20 mm, plate \varnothing 120 or 140 mm, max. inclination 10°, SW 27 or 36 mm. Adm. load capacity 90 or 160 kN.

| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-900-10 | ... Articulated flange nut 15/120 (SW 27) | 1.81 |
| 29-900-05 | ... Articulated flange nut 20/140 | 2.40 |



Spanner

Inset yellow chromated. Spanner width (SW) 27 or 36 mm. To tighten and loosen flange nuts 100, articulated flange nuts 15/120 (or 20/140 with SW 36) and flange screws.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-800-10 | ... Spanner SW 27 | 1.80 |
| 29-800-15 | ... Spanner SW 36 | 3.30 |



Coupling nut 20

With DW thread, DIN 18216. Is used to connect tie rods to the anchor loop when length extension is necessary. \varnothing 20 mm, SW 36. Adm. load capacity 160 kN.

| Ref.-No. | Description / Application | kg |
|-----------|------------------------------|------|
| 29-900-50 | ... Coupling nut DW 20 | 0.70 |



Wall formwork

Mammut 350

Drive nut 60

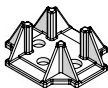
Galvanized. DW thread Ø 15 mm, plate Ø 60 mm. Adm. load capacity 90 kN (DIN 18216). Is used to tie the formwork to the ground or to a wall connection.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-900-23 | ... Drive nut 60 | 0.50 |

Uni-tie claw

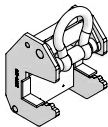
Galvanized. Permits tying directly above or beside the panels. Is suited for panels with profile widths of 40 and 60 mm.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-901-41 | ... Uni-tie claw | 1.52 |

M crane hook

To move panels. Self-locking; load capacity 15 kN (1.5 tons). Always 2 crane hooks required per gang. Please refer to the crane hook Operating Instructions for application and safety test.



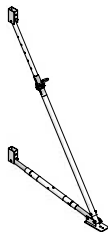
| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-401-21 | ... M crane hook | 9.63 |

Wall formwork

Mammut 350

Brace frame 250

Galvanized. Available with formwork-prop connector. Is used to align and brace the formwork. Consists of a push-pull prop R 250 (190 - 320 cm), a brace SRL 120 (90 - 150 cm) and a double-jointed footplate. The formwork-prop connectors are attached to the formwork with flange screws 18.



| Ref.-No. | Description / Application | kg |
|-----------|--|-------|
| 29-109-20 | ... Brace frame 250 with formwork-prop connector.... | 31.50 |

Formwork-prop connector

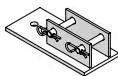
Galvanized. Connects braces, brace frames and push-pull props (max. Ø 48 mm) to the multi-function profile with flange screw 18. Delivery includes head bolt 16/90 and cotter pin 4.



| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------------|------|
| 29-804-85 | ... Formwork-prop connector | 1.65 |

Double-jointed foot plate

Galvanized. Delivery includes head bolt 16/90 and cotter pin 4. Serves as foot plate for brace frames 250 and as connector for braces and push-pull props up to Ø 57 mm.



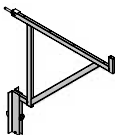
| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-402-32 | ... Double-jointed foot plate (prop diam. up to 57 mm) | 4.00 |

Wall formwork

Mammut 350

Walkway bracket

Galvanized, yellow, pluggable. Is used as working and safety scaffold. Is attached to the multi-function profile and secured to the multi-function profile below with a flange screw 18. The planking can be mounted to the brackets. Working width approx. 90 cm. MEVA Guardrailing post is also required. Bracket spacing depends on type of planking (DIN 4420).



| Ref.-No. | Description / Application | kg |
|---------------|--|-------|
| 29-106-00 ... | Walkway bracket 90 (yellow), galv..... | 10.30 |

Guardrailing post

Galvanized. Is plugged into the walkway bracket.

| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-106-75 ... | Guard-railing post 100 | 3.70 |
| 29-106-85 ... | Guard-railing post 140 | 4.70 |



Guardrailing post 48

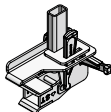
Galvanized. With manifold to attach it to the walkway bracket and with tube Ø 48 mm to attach tube couplers.

| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------------|------|
| 29-106-80 ... | Guard-railing post 48/120 (UK)..... | 5.50 |



Tilting bracket 40/60

Galvanized. Used to attach MEVA guardrailing posts to create a fall protection system. It can be set up vertically to facilitate the installation of safety meshes or railing boards or inclined by 15° to create a larger working area. Secured with a wedge to the frame profile of 40 and 60 mm.



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 29-920-82 ... | Tilting bracket 40/60 | 4.90 |

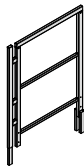
Wall formwork

Mammut 350

Side railing

Galvanized. Is plugged into the walkway bracket.

| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------------|-------|
| 29-108-20 | ... Side railing 90/100, galv. | 12.30 |



Scaffold tube

Galvanized. Is used as hand-rail / mid-rail in combination with guardrailing post 48.

| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------|-------|
| 29-412-23 | ... Scaffold tube 48/200..... | 9.40 |
| 29-412-26 | ... Scaffold tube 48/300..... | 14.10 |
| 29-412-27 | ... Scaffold tube 48/400..... | 18.80 |
| 29-412-25 | ... Scaffold tube 48/500..... | 23.50 |
| 29-412-28 | ... Scaffold tube 48/600..... | 28.20 |



Swivel-joint coupler 48/48

Galvanized. Connects 2 scaffold tubes with Ø 48.3 mm at any angle required.

| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------------|------|
| 29-412-52 | ... Swivel-joint coupler 48/48..... | 1.20 |



Cantilever angle 100/125

Galvanized. Is attached to the M 350 column panel with 2 transport devices M 24/160 through the transport hole. The CF access platform is secured with the integrated hammer head screw.

| Ref.-No. | Description / Application | kg |
|-----------|------------------------------------|-------|
| 29-404-25 | ... Cantilever angle 100/125 | 32.80 |



Wall formwork

Mammut 350

Transport device M 24/160

Is used for the vertical transport of M 350 column panels and screwed through the transport holes.



| Ref.-No. | Description / Application | kg |
|-----------|------------------------------------|------|
| 29-404-30 | ... Transport device M 24/160..... | 2.80 |

Safety plug stacks

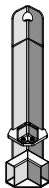
Secures stacked Mammut and Mammut 350 panels. Black bolt for panels for widths less than 250 cm, grey bolt for panels 250 cm wide or wider.



| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 40-131-20 | ... Safety plug M stacks, black | 0.06 |
| 40-131-25 | ... Safety plug M 350/250 stacks, grey..... | 0.06 |

Stacking angle 60/40/23

Steel, galvanized. Used to stack and transport two to five wall formwork panels of the same size with frame profile widths of 60 mm, 40 mm or 23 mm. Four stacking angles 60/40/23 are required for each panel stack. The permissible load capacity per stacking angle is 15 kN (1.5 t). Refer to the stacking angle Operating Instructions for application and safety test.



| Ref.-No. | Description / Application | kg |
|-----------|----------------------------------|------|
| 29-305-45 | ... Stacking angle 60/40/23..... | 9.60 |

Lifting hook 60

Galvanized. Allows any 4-rope crane slings available on site to be used to move panel stacks. Always use 4 hooks at a time. Max. load capacity 10 kN (1 ton) per lifting hook. Max. weight of a panel stack 2 tons. Refer to the lifting hook Operating Instructions for application and safety test.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-401-40 | ... Lifting hook 60..... | 1.70 |

Safety System

 meva
SecuritBasic

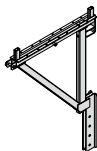


Safety System

SecuritBasic

Walkway bracket SB

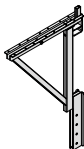
Galvanized. Is attached with 1 flange screw 28 and 1 flange screw 18 to the DW-threaded nuts of the panel's multi-function profile. The aluminium platform is placed onto the scaffolding bracket and secured with the integrated bolt. Front railing and rear railing posts can be plugged into the scaffolding bracket. The flange screws 28 and 18 must be ordered separately.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 79-603-10 ... | Walkway bracket SB..... | 28.90 |

Walkway bracket 880 SB

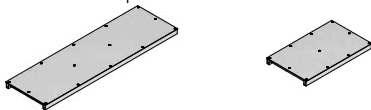
Galvanized. Is attached with 1 flange screw 28 and 1 flange screw 18 to the DW-threaded nuts of the panel's multi-function profile. Is used in inside corner areas only. The aluminium platform is placed onto the scaffolding bracket and secured with the integrated bolt. A front railing post can be plugged into the scaffolding bracket. The flange screws 28 and 18 must be ordered separately.



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|-------|
| 79-603-20 ... | Walkway bracket 880 SB..... | 24.60 |

Alu(minium) platform M SB

Aluminium support construction with slip-free corrugated aluminium sheet. Working width 75 cm. Admissible load 200 kg/m². Usable for Mammut 350 and Mammut panels that are 250 cm and 125 cm wide.

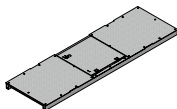


| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|-------|
| 79-600-10 ... | Alu platform M 2470 SB..... | 34.50 |
| 79-600-25 ... | Alu platform M 1220 SB..... | 17.80 |

Safety System

Alu(minium) platform M 2470 SB with hatch

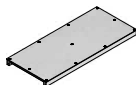
Aluminium support construction with slip-free corrugated aluminium sheet. Working width 75 cm. Admissible load 200 kg/m². Usable for Mammut 350 and Mammut panels that are 250 cm wide.



| Ref.-No. | Description / Application | kg |
|-----------|--|-------|
| 29-600-15 | ...Alu platform M 2470 SB with hatch | 35.70 |

Alu(minium) platform M 1690 SB

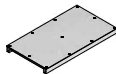
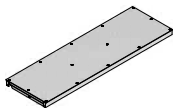
Inside corner platform. Usable for Mammut 350 and Mammut panels that are 250 cm wide. Aluminium support construction with slip-free corrugated aluminium sheet. Working width 75 cm. Admissible load 200 kg/m².



| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------|-------|
| 79-600-20 | ...Alu platform M 1690 SB..... | 24.90 |

Alu(minium) platform ST SB

Aluminium support construction with slip-free corrugated aluminium sheet. Working width 75 cm. Admissible load 200 kg/m². Usable for StarTec panels that are 240 cm and 135 cm wide.

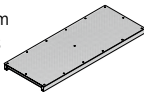


| Ref.-No. | Description / Application | kg |
|-----------|----------------------------------|-------|
| 79-600-40 | ...Alu platform ST 2370 SB | 31.70 |
| 79-600-55 | ...Alu platform ST 1320 SB | 18.90 |

Safety System

Alu(minium) platform ST 1890 SB

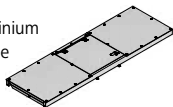
Aluminium support construction with slip-free corrugated aluminium sheet. Working width 75 cm. Admissible load 200 kg/m². Is used as inside corner platform with 2 StarTec panels that are 135 cm wide.



| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------------|-------|
| 79-600-47 | ... Alu platform ST 1890 SB | 25.30 |

Alu(minium) platform ST 2370 SB with hatch

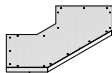
Aluminium support construction with slip-free corrugated aluminium sheet. Working width 75 cm. Admissible load 200 kg/m². Usable for StarTec panels that are 240 cm wide.



| Ref.-No. | Description / Application | kg |
|-----------|--|-------|
| 79-600-45 | ... Alu platform ST 2370 SB with hatch | 32.60 |
| 29-600-35 | ... Alu-platform ST 2670 SB with hatch | 42.60 |

Alu platform outside corners SB

Aluminium support construction with slip-free corrugated aluminium sheet. Is placed onto 2 Walkway brackets SB and on the support for guardrailing post OC SB, and locked into place with the integrated safety pin.



| Ref.-No. | Description / Application | kg |
|-----------|---|-------|
| 79-600-60 | ... Alu platform outside corners SB | 25.30 |

Protection bracket SB

The protection bracket SB is plugged into the aluminium platform and attached to the wooden compensation platform with two or more wooden screws, dia = 6 mm. Each compensation bracket requires a minimum of two protection brackets SB. They must be arranged in diagonal order.

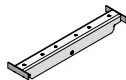


| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------|------|
| 79-602-95 | ... Protection bracket SB | 0.60 |

Safety System

Support for wooden platform

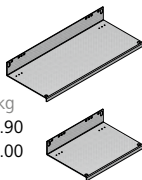
Galvanized. Is used to attach a wooden platform to the walkway bracket SB. The support is screwed to the wooden platform and then secured to the walkway bracket SB with the integrated pin.



| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------------|------|
| 79-600-95 | ... Support for wooden platform..... | 6.70 |

Compensation sheet

Bridges gaps up to 135 cm of 75 cm wide.



| Ref.-No. | Description / Application | kg |
|-----------|----------------------------------|-------|
| 79-600-90 | ... Compensation sheet 1800..... | 25.90 |
| 79-600-92 | ... Compensation sheet 1050..... | 15.00 |

Compensation covering 570 pluggable

Pluggable. Bridges gaps up to 40 cm wide.

| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 79-600-85 | ... Compensation covering 570 pluggable | 7.20 |



Front guardrailing post SB 10

Galvanized. Is used together with a scaffold tube to create a handrail. The front guardrailing post SB 10 is plugged into a transport hole of a MEVA wall formwork panel and secured with a cotter pin.

| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 79-601-80 | ... Front guard-railing post SB 10 | 1.20 |



Safety System

Front railing post SB retractable

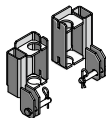
Galvanized, dia. 48.3 mm. Is used to install a retractable front railing SB made of scaffold tubes. On the facing side of the platform, one retractable front railing post is attached with the left retractable support to walkway bracket and the other retractable front railing post is attached using the right retractable support.



| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 79-601-87 | ... Front railing post SB retractable..... | 6.20 |

Support railing post SB, retractable

Galvanized. Is used for the retractable front railing SB made of scaffold tubes. The support is attached to the walkway bracket with a bolt and a cotter pin.



| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 79-601-95 | ... Support railing post SB LH, retractable | 2.70 |
| 79-601-96 | ... Support railing post SB RH, retractable | 2.70 |

Support for guardrailing post IC SB

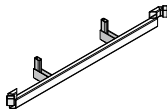
Galvanized. Is used for the attachment of a front guardrailing post. Is attached to the multi-function profile of the wall formwork panel in the inside corner area using a flange screw 18 and a flange screw 28.



| Ref.-No. | Description / Application | kg |
|-----------|--|-------|
| 29-601-92 | ... Support for guard-railing post IC SB | 15.40 |

Support for guardrailing post OC SB

Galvanized. Is placed onto 2 Walkway brackets SB and secured to the Alu platform outside corners SB with the integrated pin.



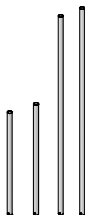
| Ref.-No. | Description / Application | kg |
|-----------|---|-------|
| 79-601-93 | ... Support for guard-railing post OC SB..... | 13.20 |

Safety System

Scaffold tube SB

Galvanized. Is used to assemble front railings for SecuritBasic aluminium platforms.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|------|
| 29-603-55 ... | Scaffold tube 48.3/2470 SB..... | 9.10 |
| 29-603-60 ... | Scaffold tube 48.3/2370 SB..... | 8.68 |
| 29-603-65 ... | Scaffold tube 48.3/1320 SB..... | 4.63 |
| 29-603-70 ... | Scaffold tube 48.3/1220 SB..... | 4.47 |



Swivel-joint coupler 48/48

Galvanized. Connects 2 scaffold tubes with 48.3 mm Ø at any angle.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|------|
| 29-412-52 ... | Swivel-joint coupler 48/48..... | 1.20 |



Rear railing post SB

Galvanized. Dia. 48.3 mm. Is plugged into the walkway bracket and usable for all rear railing frames.

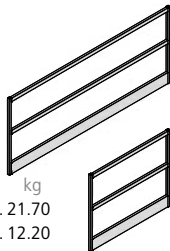
| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|------|
| 79-601-90 ... | Rear railing post SB | 4.60 |



Rear railing frame M SB

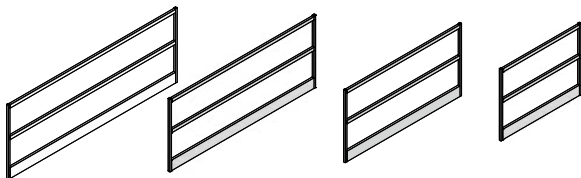
Galvanized. Is suspended into the rear railing posts SB. With handrail, mid rail and toe board. Usable for aluminium platforms M 2470 SB and M 1220 SB.

| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------------|-------|
| 79-602-10 ... | Rear railing frame M 2470 SB..... | 21.70 |
| 79-602-25 ... | Rear railing frame M1220 SB..... | 12.20 |



Rear railing frame ST SB

Galvanized. Is suspended into the rear railing posts SB. With handrail, mid rail and toe board. Usable for aluminium platforms ST 2670 SB, ST 2370 SB, ST 1890 SB and ST 1320 SB.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------------|-------|
| 29-602-35 ... | Rear railing frame ST 2670 SB..... | 22.50 |
| 79-602-40 ... | Rear railing frame ST 2370 SB..... | 20.90 |
| 79-602-45 ... | Rear railing frame ST 1890 SB..... | 17.30 |
| 79-602-55 ... | Rear railing frame ST 1320 SB..... | 13.00 |

Rear railing frame 1650 SB

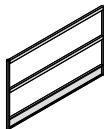
Galvanized. Is suspended into the rear railing posts. With handrail, mid rail and toe board. Usable for aluminium platform M 1690 SB when used to bridge gaps.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|-------|
| 79-602-60 ... | Rear railing frame 1650 SB..... | 16.60 |

Rear railing frame IE 1650 SB

Galvanized. With toeboard, mid rail and hand rail. Is suspended at the rear railing posts and above all used in inside corner areas.

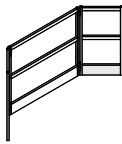


| Ref.-No. | Description / Application | kg |
|---------------|------------------------------------|-------|
| 79-602-65 ... | Rear railing frame IC 1650 SB..... | 15.50 |

Safety System

Rear railing frame OC SB

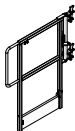
Galvanized. With toeboard midrail and handrail. Is attached to the rear guard railing post and above all used in outside corner areas.



| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------|-------|
| 79-602-70 ... | Rear railing frame OC SB | 27.40 |

Side railing hinged SB wedge

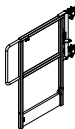
Galvanized. Is used for lateral fall-down protection and also secures the compensation sheets. The side railing is attached at the rear railing frame and secured with a wedge. It can be opened towards the rear railing frame when walking from one platform to another.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------------|-------|
| 79-601-77 ... | Side railing hinged SB wedge | 13.00 |

Side railing hinged SB tube coupling

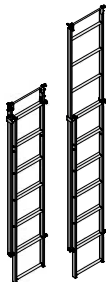
Galvanized. Is used for lateral fall-down protection and also secures the compensation sheets. Is used for railings made of Ø 48 tubes and opened towards the rear railing frame when walking from one platform to another.



| Ref.-No. | Description / Application | kg |
|---------------|---|-------|
| 29-601-78 ... | Side railing hinged SB tube coupler | 13.20 |

Telescopic ladder SB

Galvanized. For all aluminium platforms with hatch.

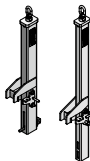


| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------------|-------|
| 79-603-40 ... | Telescopic ladder 2600-4100 SB | 27.20 |
| 29-603-45 ... | Telescopic ladder 1700-3180 SB | 22.40 |

Safety System

Lifting arm SB

Galvanized. Is required to save the platform railing from damages when erecting or laying down the formwork (horizontal lift). Can also be used for crane ganging once the formwork is erected (vertical lift). Load capacity per lifting arm: Lifting arm 1700 SB = 1700 kg and Lifting arm 900 SB = 900 kg and. Always two lifting arms per transport unit required. For use and safety check see the Operating Instructions.



| Ref.-No. | Description / Application | kg |
|------------------|---------------------------|-------|
| 79-603-30 ... M | lifting arm 1750 SB | 28.00 |
| 79-603-35 ... ST | lifting arm 900 SB | 25.70 |

Ladder fixture railing SB

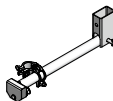
Galvanized. Is required and used to attach the ladder to the handrail of the platform when a formwork unit is height-extended and equipped with platforms on at least two levels.



| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------|------|
| 79-603-75 ... | Ladder fixture railing SB..... | 1.05 |

Ladder fixture panel SB

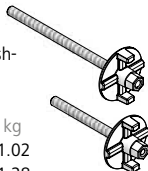
Galvanized. Is used to attach the ladder to the bottom of the bottom panel. One Flange screw 18 must be ordered separately.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-603-80 ... | Ladder fixture panel SB..... | 5.30 |

Flange screw

Galvanized. Is used to attach accessories such as brace frames, push-pull props and alignment rails. Length of thread is 18 and 27 cm.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-401-10 ... | Flange screw 18 | 1.02 |
| 29-401-12 ... | Flange screw 28 | 1.28 |

Safety System

Crane eye outside corner SB

Is used to lift and transport the Alu platform outside corners SB. Is attached to the walkway bracket. One crane eye is required for each bracket.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------------|------|
| 79-602-97 | ... Crane eye outside corner SB | 1.10 |



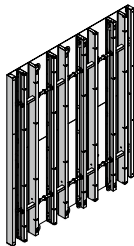


Circular Formwork

Radius

Radius panels

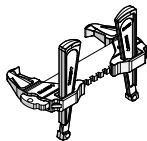
Support profiles made of steel, galvanized, with steel facing. The integrated spindle-system of the pre-assembled panels allows for a stepless adjustment of the radii, starting with 2.50 m. The Radius panels have a Mammut edge profile for panel connection (12 cm high, 6 cm wide). Amount of tie points per panel height: 3 x at panel height 350, 2 x at panel height 300, 1 x at panel height 150. M-assembly locks and Uni-assembly locks as well as the continuous groove guarantee for a stepless, tight and aligned panel connection. The welded-in DW threaded nuts allow for an easy, quick and safe attachment of accessory parts.



| Ref.-No. | Description / Application | m ² | kg |
|---------------|-------------------------------------|----------------|--------|
| 23-805-05 ... | RS-outside panel350/250 | 8.75 .. | 789.56 |
| 23-805-30 ... | RS-outside panel300/250 | 7.50 .. | 687.36 |
| 23-805-70 ... | RS-outside panel150/250 | 3.75 .. | 376.79 |
| 23-805-20 ... | RS-outside panel350/125 | 4.38 .. | 423.64 |
| 23-805-40 ... | RS-outside panel300/125 | 3.75 .. | 368.19 |
| 23-805-80 ... | RS-outside panel150/125 | 1.88 .. | 201.30 |
| 23-806-05 ... | RS-inside panel350/240 | 8.40 .. | 771.43 |
| 23-806-30 ... | RS-inside panel300/240 | 7.20 .. | 671.60 |
| 23-806-70 ... | RS-inside panel150/240 | 3.60 .. | 368.70 |
| 23-806-20 ... | RS-inside panel350/120 | 4.20 .. | 414.82 |
| 23-806-40 ... | RS-inside panel300/120 | 3.60 .. | 361.20 |
| 23-806-80 ... | RS-inside panel150/120 | 1.80 .. | 196.80 |

RS-assembly lock

Galvanized, For stepless length compensation.
Clamping length is 11.9 to 20.5 cm for stepless compensation.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 23-807-70 ... | RS-assembly lock | 4.70 |

Circular Formwork

M-assembly lock

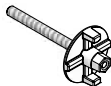
Galvanized. Tightly connects and aligns Mammut panels.
Clamping length 12 cm.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-400-71 | ... M-assembly lock..... | 3.00 |

Flange screw

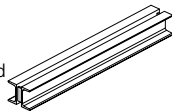
Galvanized. DW thread \varnothing 15 mm. Is used to attach accessories, e.g. alignment rails, brace frames, push-pull props, etc.
Length of thread 18 cm.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-401-10 | ... Flange screw 18 | 1.02 |

Anchor rail RS

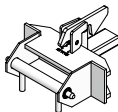
The rail serves to tie the Radius formwork. Together with the shoe the rail is the support for the tying. The rail can be moved sideways on the shoes. The rail transfers the concrete load equally into the panel profiles.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|-------|
| 23-807-30 | ... Anchor rail RS..... | 20.50 |

Shoe for anchor rail RS

Galvanized. The shoe serves to hold the anchor rail and is plugged into two openings of the panel frame by using two pins which have to be pushed together. The pins stay in place due to a spring. They need to be pushed together until they snap into the openings.

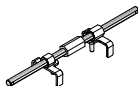


| Ref.-No. | Description / Application | kg |
|-----------|----------------------------------|------|
| 23-807-25 | ... Shoe for anchor rail RS..... | 5.86 |

Circular Formwork

Top tie claw RS

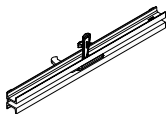
Galvanized. Is pressure-resistant and guarantees tensile strength. Is used to tie above the panels and suspended over the panels between their double profiles. Adjustment range: 150-500 mm.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 23-807-50 | ... Top tie claw RS..... | 3.27 |

Alignment rail RS

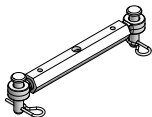
Galvanized. The alignment rail RS is only used when Radius panels are extended with each other. The amount of rails needed, is given by the openings in the steel profiles of the panels (4 at panel width 240 and 250; 2 at panel width 125 and 120). The claw of the integrated assembly locks reaches in into the openings of the frame profile and connects the panels. Additionally a flange screw 18 is used on each side of the joint to support the alignment.



| Ref.-No. | Description / Application | kg |
|-----------|----------------------------|-------|
| 23-807-15 | ... Alignment rail RS..... | 12.72 |

Additional spindle 270-390 RS

With a radius greater than 5 m a additional spindle 270 - 390 RS is required at the panel joint. The additional spindle is attached at the standard spindle elevation at the plate of the last spindle of the panel with a bolt and a cotter pin.



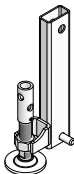
| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 23-807-60 | ... Additional spindle 270-390 RS | 1.75 |

Circular Formwork

Foot spindle RS

Is attached to a DW threaded nut of the panel frame by using a flange screw 18. It serves to adjust the Radius panels in height.

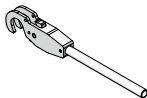
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 23-807-35 ... | Foot spindle RS..... | 2.40 |



Ratchet removable RS

The detachable ratchet is used in combination with the spindles of the Radius panels to adjust the different radii. The ratchet fits all spindles of the Radius panels.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 23-807-40 ... | Ratchet removable | 1.42 |



Stop-end clamp RS

Galvanized. To form stop-ends of pouring cycles together with tie rods, stop-end fixtures, alignment rails and flange nuts/articulated flange nuts.

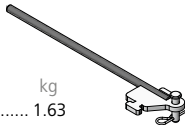
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 23-807-10 ... | Stop end clamp RS | 3.05 |



Stop-end fixture RS

The stop-end fixture RS is used to form a stop end. It is either attached to the openings of the edge profile of the Radius panel or inserted into the stop-end claw.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 23-807-55 ... | Stop end fixture RS..... | 1.63 |

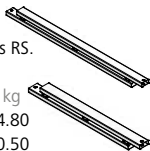


Circular Formwork

Alignment rails

Galvanized, for stop ends in combination with the stop-end fixtures RS.

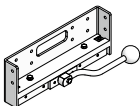
| Ref.-No. | Description / Application | kg |
|-----------|----------------------------------|-------|
| 29-400-92 | M-alignment rail 180, galv..... | 24.80 |
| 29-201-75 | AS-alignment rail 125, galv..... | 10.50 |



Magnet RS 360 x 60 mm

The magnets are used to position the boxouts and are designed in a way that the boxouts can be firmly attached to them. Note that magnets only position the boxouts and make sure the boxouts are so stable that they withstand the fresh concrete pressure without deforming or moving along the facing.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 23-807-65 | Magnet RS 360 x 60..... | 5.40 |



Magnet RS d = 60/80

Used to position small box-outs or electrical sockets. Several magnets are used for box-outs up to 40 cm. The full clamping force is only transmitted when pressed against the facing.
Adjustment range 60 - 80 mm

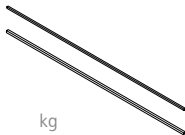
| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 23-807-67 | Magnet RS d=60/80 | 1.00 |



Chamfer strip magnet RS

Is used on steel facing, e.g. on the facing of the Radius circular system.

| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-903-07 | Chamfer strip magnet RS 20/20 L=2.00 m..... | 3.20 |
| 29-903-02 | Chamfer strip magnet RS 15/15 L=2.00 m..... | 2.24 |



Circular Formwork

Tie rod DW 20/120

Uncoated, with DW-thread \varnothing 20, DIN 18216, not weldable, to tie panels of a double sided formwork; admissible load capacity 160 kN.



| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------|------|
| 29-900-97 | ... Tie rod DW 20/120 | 3.00 |

Articulated flange nut 20/140

Forged, galvanized. DIN 18216. DW thread \varnothing 20 mm, plate \varnothing 140 mm, max. inclination 10° , SW 36 mm. Max. load capacity 160 kN. Reduces wear of panel coating.



| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-900-05 | ... Articulated flange nut 20/140 | 2.40 |

Spanner SW 36

Inset yellow chromated; spanner width 36 mm. To tighten and loosen articulated flange nuts 20/140.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-800-15 | ... Spanner SW 36 | 3.30 |

Water stop

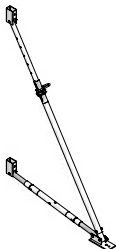
Not shown. Uncoated, lost part; is used with tie rods DW 20 to produce watertight tie points. Max load capacity: 160 kN.

| Ref.-No. | Description / Application | kg |
|-----------|----------------------------|------|
| 29-903-30 | ... Water stop DW 20 | 1.35 |

Circular Formwork

Brace frame 250

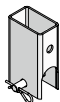
Galvanized. Available with formwork-prop connector. Is used to align and brace the formwork. Consists of a push-pull prop R 250 (190 - 320 cm), a brace SRL 120 (90 - 150 cm) and a double-jointed footplate. The formwork-prop connectors are attached to the formwork with flange screws 18.



| Ref.-No. | Description / Application | kg |
|---------------|--|-------|
| 29-109-20 ... | Brace frame 250 with formwork-prop connector.... | 31.50 |

Formwork-prop connector

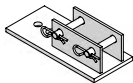
Galvanized; to connect braces, brace frames and push-pull props (maximum Ø 48 mm) to the DW threaded nuts of the Radius profile by means of a flange screw 18. Delivery includes head bolt 16/90 and cotter pin 4.



| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------|------|
| 29-804-85 ... | Formwork-prop connector | 1.65 |

Double-jointed foot plate

Galvanized. Delivery includes head bolt 16/90 and cotter pin 4. Serves as foot plate for brace frames 250 and as connector for braces and push-pull props up to Ø 57 mm.

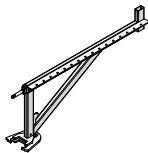


| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|------|
| 29-402-32 ... | Double-jointed foot plate | 4.00 |

Circular Formwork

Walkway bracket RS

Galvanized, pluggable, is used as working and safety scaffold. On the top end the bracket is attached to a DW threaded nut of the frame profile. At the bottom it is secured with the clamps. The planking can be mounted to the brackets. The working width is approx. 90cm. In addition to the bracket a guardrailing post is required.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 23-807-20 | ... Walkway bracket RS | 6.82 |

Guardrailing post

Galvanized. Is plugged into the walkway bracket.

| Ref.-No. | Description / Application | kg |
|-----------|----------------------------|------|
| 29-106-75 | ... Guard-railing post 100 | 3.70 |
| 29-106-85 | ... Guard-railing post 140 | 4.70 |



Guardrailing post 48

Galvanized. With manifold to attach it to the walkway bracket and with tube Ø 48 mm to attach tube couplers.

| Ref.-No. | Description / Application | kg |
|-----------|------------------------------------|------|
| 29-106-80 | ... Guard-railing post 48/120 (UK) | 5.50 |



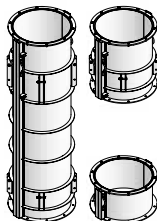
Circular Column Formwork



Circular Column Formwork

Circular column formwork Circo

Steel construction with steel sheeting. Primed and cavity-sealed. Consists of 2 semi-circular halves; inside sealed with clear varnish. Accurate height extension owing to special connecting flanges. Can be combined with Mammut panels, e.g. for stop ends; up to Ø 60 cm with M assembly locks; from Ø 65 cm with Circo-Mammut transition assembly locks. Standard height 300 cm, height extensions 50 cm and 100 cm.



| Ref.-No. | Description / Application | m ² | kg |
|---------------|---------------------------|----------------|--------|
| 23-600-85 ... | Circo 300/25 | 2.36 .. | 246.00 |
| 23-600-80 ... | Circo 300/30 | 2.83 .. | 264.00 |
| 23-600-75 ... | Circo 300/35 | 3.30 .. | 281.00 |
| 23-600-70 ... | Circo 300/40 | 3.77 .. | 299.00 |
| 23-600-65 ... | Circo 300/45 | 4.24 .. | 318.00 |
| 23-600-60 ... | Circo 300/50 | 4.74 .. | 335.00 |
| 23-600-55 ... | Circo 300/55 | 5.18 .. | 354.00 |
| 23-600-50 ... | Circo 300/60 | 5.66 .. | 370.00 |
| 23-600-45 ... | Circo 300/65 | 6.13 .. | 394.00 |
| 23-600-40 ... | Circo 300/70 | 6.60 .. | 413.00 |
| 23-600-35 ... | Circo 300/75 | 7.07 .. | 432.00 |
| 23-600-30 ... | Circo 300/80 | 7.54 .. | 451.00 |
| 23-600-87 ... | Circo 100/25 | 0.77 ... | 99.00 |
| 23-600-82 ... | Circo 100/30 | 0.94 .. | 106.00 |
| 23-600-77 ... | Circo 100/35 | 1.10 .. | 113.00 |
| 23-600-72 ... | Circo 100/40 | 1.26 .. | 120.00 |
| 23-600-67 ... | Circo 100/45 | 1.41 .. | 128.00 |
| 23-600-62 ... | Circo 100/50 | 1.58 .. | 135.00 |
| 23-600-57 ... | Circo 100/55 | 1.73 .. | 143.00 |
| 23-600-52 ... | Circo 100/60 | 1.88 .. | 150.00 |
| 23-600-47 ... | Circo 100/65 | 2.04 .. | 159.00 |
| 23-600-42 ... | Circo 100/70 | 2.20 .. | 167.00 |
| 23-600-37 ... | Circo 100/75 | 2.36 .. | 174.00 |
| 23-600-32 ... | Circo 100/80 | 2.51 .. | 182.00 |

Circular Column Formwork

| | | |
|---------------------------------|------|-------|
| 23-600-88 ... Circo 50/25 | 0.39 | 47.00 |
| 23-600-83 ... Circo 50/30 | 0.47 | 52.00 |
| 23-600-78 ... Circo 50/35 | 0.55 | 56.00 |
| 23-600-73 ... Circo 50/40 | 0.63 | 72.00 |
| 23-600-68 ... Circo 50/45 | 0.71 | 65.00 |
| 23-600-63 ... Circo 50/50 | 0.79 | 60.00 |
| 23-600-58 ... Circo 50/55 | 0.86 | 74.00 |
| 23-600-53 ... Circo 50/60 | 0.94 | 78.00 |
| 23-600-48 ... Circo 50/65 | 1.02 | 83.00 |
| 23-600-43 ... Circo 50/70 | 1.10 | 87.00 |
| 23-600-38 ... Circo 50/75 | 1.18 | 92.00 |
| 23-600-33 ... Circo 50/80 | 1.26 | 96.00 |

| | |
|--|------|
| 63-120-49 ... Hexagonal screw M16 x 40, galv., DIN 933 | 0.09 |
| 63-130-00 ... Hexagonal locking nut M16, galv., DIN 985..... | 0.03 |
| 42-413-50 ... Head bolt 16/90, galv. | 0.17 |
| 62-010-04 ... Cotter pin 4..... | 0.02 |

Please note

4 assembly locks are required per linear meter to close the formwork. 6 bolts M16x40 and 6 nuts M16 are required to mount the extension pieces up to Ø 60 cm; for diameters exceeding 65 cm 10 of each are necessary. Extension panels of 50 cm and 100 cm are delivered with the required number of screws. The head bolts 16/90 and cotter pins 4 required for the attachment of the bracing are delivered with the column formwork. Assembly locks and the bracing must be ordered separately.

M assembly lock

Galvanized. Tightly connects and aligns Circo panels.
Clamping length 12 cm. 4 M assembly locks are required per linear meter.

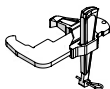


| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-400-71 ... | M assembly lock..... | 3.00 |

Circular Column Formwork

Transition lock Circo-Mammut

Galvanized. Connects Mammut panels to Circo panels with \varnothing 65 cm or more to form stop-ends.



| Ref.-No. | Description / Application | kg |
|---------------|--|------|
| 29-400-80 ... | Transition lock Circo-Mammut from \varnothing 65cm | 3.40 |

Brace frame 250

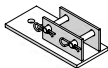
Galvanized. Is used to align and brace the formwork. Consists of a push-pull prop R 250 (190 - 320 cm), a brace SRL 120 (90 - 150 cm) and a double-jointed footplate. Is attached with head bolt 16/90 and cotter pin 4 to the Circo semi-circular half (included in the Circo delivery).



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-109-25 ... | Brace frame 250 | 27.50 |

Double-jointed foot plate

Galvanized. Delivery includes head bolt 16/90 and cotter pin 4. Serves as foot plate for brace frames 250 and as connector for braces and push-pull props up to \varnothing 57 mm.

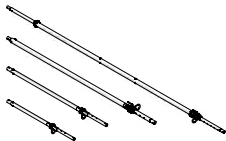


| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|------|
| 29-402-32 ... | Double-jointed foot plate | 4.00 |

Circular Column Formwork

Push-pull prop R

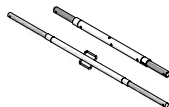
Galvanized. Guarantee tensile and compression strength. Align and brace wall formwork. Length of thread 20.6 cm. Foot plates and formwork-prop-connectors to be ordered separately.



| Ref.-No. | Description / Application | kg |
|---------------|----------------------------------|-------|
| 29-109-40 ... | Push-pull prop R 160..(135-200) | 12.60 |
| 29-109-60 ... | Push-pull prop R 250..(190-320) | 17.20 |
| 29-109-80 ... | Push-pull prop R 460 ..(340-520) | 34.00 |
| 29-109-85 ... | Push-pull prop R 630..(510-760) | 57.00 |

Brace SRL

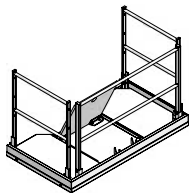
Galvanized. Guarantees tensile and compression strength. Consists of a right and left-hand spindle as well as a revolving central part. Aligns and supports wall and column formwork. The footplate and connectors must be ordered separately.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|-------|
| 29-108-80 ... | Brace SRL 120(90-150) | 8.79 |
| 29-108-90 ... | Brace SRL 170(120-220) | 11.50 |

Circo platform

Access platform with foldable guard-railing; galvanized steel frame covered with non-slipping aluminium. Load capacity 2 kN/m². Is attached to a semi-circular half of the Circo column formwork with 2 Circo scaffolding brackets. Material required for a complete platform: 1 Circo platform, 2 Circo scaffolding brackets, 4 flange screws, 2 Circo railings.

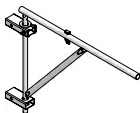


| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-415-10 ... | Circo platform | 87.00 |

Circular Column Formwork

Circo scaffolding bracket

Galvanized. Is attached to the Circo circular column formwork with 2 flange screws and with an integrated hammerhead screw to the Circo platform. The flange screws must be ordered separately. 2 Circo scaffolding brackets are required per platform.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|-------|
| 29-415-20 ... | Circo scaffolding bracket | 17.00 |

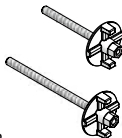
Circo railing tube

Not shown. Galvanized. is attached with 2 integrated bolts to the guard-railing of the Circo platform when used as front railing. 2 tubes are required per platform.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-415-25 ... | Circo railing tube | 4.50 |

Flange screw

Galvanized. DW thread \varnothing 15 mm. Is used to attach the Circo scaffolding brackets to a semi-circular column half. Length of thread 18 cm or 27 cm.

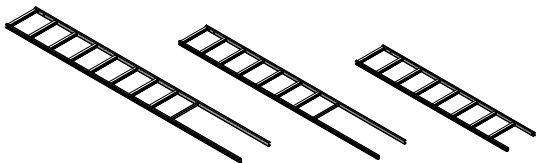


| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-401-10 ... | Flange screw 18 | 1.02 |
| 29-401-12 ... | Flange screw 28 | 1.28 |

Circular Column Formwork

Ladder

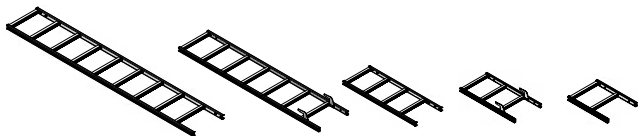
Galvanized. Is hooked into the Circo access platform and automatically secured. Can be extended with extension ladders. Safety cages are required for operational safety.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-414-50 ... | Ladder 348..... | 23.20 |
| 29-414-55 ... | Ladder 318..... | 21.10 |
| 29-416-50 ... | Ladder 243..... | 17.20 |

Extension ladder

Galvanized. Depending on the required height, the extension ladder is either hooked into the steps of the ladder or bolted to the ladder with the ladder connector. The extension ladder must be secured with the Ladder fixture. An additional extension in increments of 30 cm is achieved by hooking an extension ladder into the appropriate step.

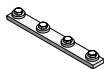


| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-416-52 ... | Extension ladder 270..... | 19.20 |
| 29-414-60 ... | Extension ladder 210..... | 15.80 |
| 29-416-55 ... | Extension ladder 120..... | 8.50 |
| 29-416-60 ... | Extension ladder 90..... | 7.40 |
| 29-416-62 ... | Extension ladder 60..... | 4.40 |

Circular Column Formwork

Ladder connector

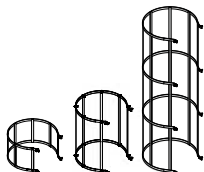
Galvanized. Connects the joint of two extension ladders without the need to hook one ladder into a step of the other.



| Ref.-No. | Description / Application | kg |
|-----------|----------------------------|------|
| 29-414-70 | ... Ladder connector | 1.03 |

Safety cage

Galvanized. Internal Ø 70 cm. Protects workers when ascending and descending the ladder. The safety cages are attached to the (extension) ladders with the integrated hammerhead screws.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|-------|
| 29-414-85 | ... Safety cage 210 | 27.60 |
| 29-414-90 | ... Safety cage 85 | 12.10 |
| 29-416-90 | ... Safety cage 40 | 8.20 |

Ladder fixture

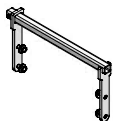
Galvanized. Use the two provided screws to attach the ladder fixture to the push-pull prop connector. Adjustment range 59.7 - 81.2 cm.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|-------|
| 29-415-45 | ... Ladder fixture | 16.00 |

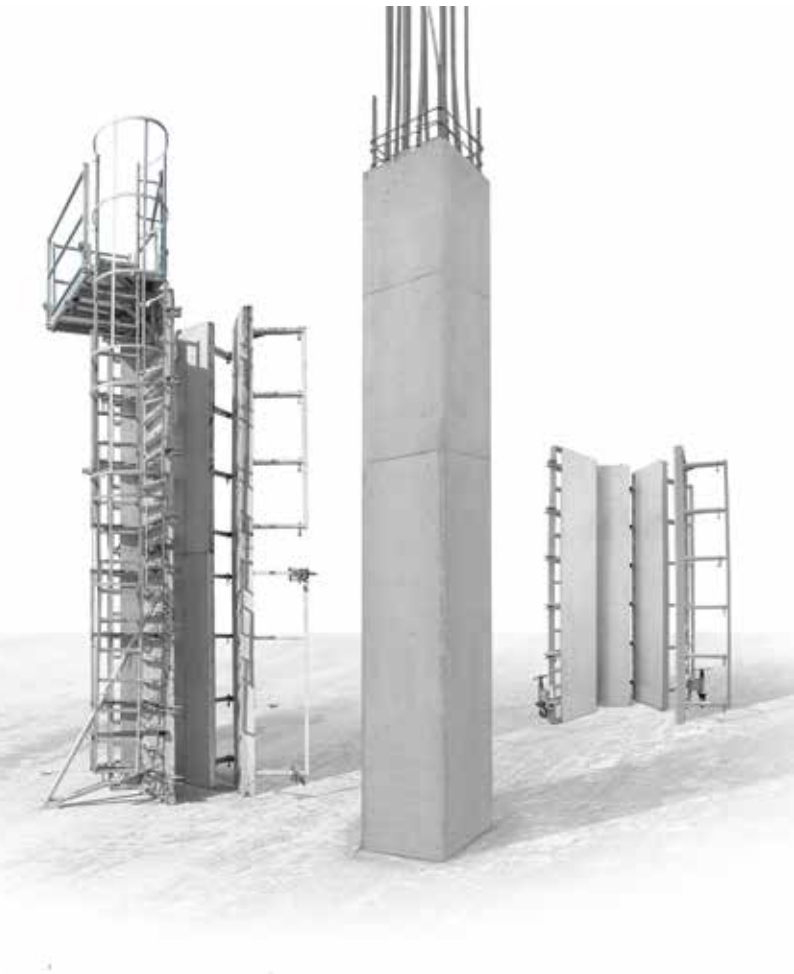
Suspension bracket for extension ladders

Galvanized. The suspension bracket is connected to the platform planking and the extension ladder 270 is screwed to the suspension bracket on both sides of the suspension bracket. Screws are provided.



| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-415-50 | ... Suspension bracket for extension ladders | 2.60 |

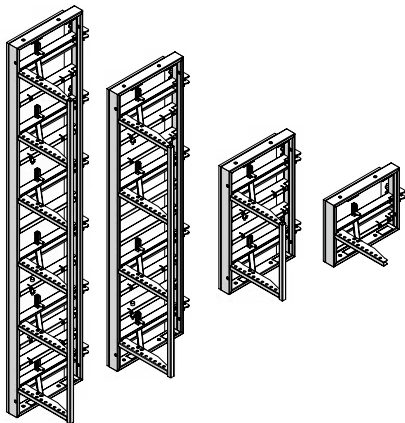
Column Formwork



Column Formwork

CF column formwork

Construction height 12 cm, frame profile width 30 mm. The panels frames are made of closed steel profiles and are torsion-proof, corrosion-resistant. The panels are equipped with alkus facing. AS assembly locks guarantee a stepless, tight and perfectly aligned connection of stacked panels. Multi-function profiles allow for an easy, fast and safe attachment of accessories. Column cross sections are possible from 20 cm to 60 cm in increments of 5 cm. The panels are assembled like a windmill and tied with CF spanners across the corners.

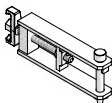


| Ref.-No. | Description / Application | m ² | kg |
|---------------|---------------------------------|----------------|--------|
| 23-603-10 ... | CF column panel AL 20 360 | 2.16 .. | 200.00 |
| 23-603-20 ... | CF column panel AL 20 270 | 1.62 .. | 150.50 |
| 23-603-30 ... | CF column panel AL 20 120 | 0.72 | 72.20 |
| 23-603-40 ... | CF column panel AL 20 60 | 0.36 | 39.30 |

Column Formwork

CF spanner

Galvanized. Is used to open and close the CaroFalt. The required quantity depends on the panel height (h):
6 for h 360 cm, 4 for h 270 cm, 2 for h 120 cm, 1 for h 60 cm.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-413-65 | ... CF spanner | 4.63 |

Flange screw 18

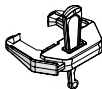
Galvanized. DW thread Ø 15 mm. Is used to attach accessories such as brace frames, push-pull props, CF brackets, CF-ladder fixtures, etc. Length of thread 18 cm.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-401-10 | ... Flange screw 18 | 1.02 |

AS assembly lock

Galvanized. Tightly connects and aligns CaroFalt panels. Clamping length 8 cm. 2 AS assembly locks are required per panel joint.



| Ref.-No. | Description / Application | kg |
|-----------|----------------------------|------|
| 29-205-00 | ... AS assembly lock | 2.00 |

Chamfer strip 15/15

PVC; with perforated strip. Length 2.50 m.

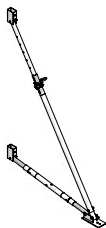


| Ref.-No. | Description / Application | kg |
|-----------|------------------------------------|------|
| 29-902-90 | ... Chamfer strip 15/15, PVC | 0.50 |

Column Formwork

Brace frame 250

Galvanized. Available with formwork-prop connector. Is used to align and brace the formwork. Consists of a push-pull prop R 250 (190 - 320 cm), a brace SRL 120 (90 - 150 cm) and a double-jointed footplate. The formwork-prop connectors are attached to the formwork with flange screws 18.



| Ref.-No. | Description / Application | kg |
|---------------|--|-------|
| 29-109-20 ... | Brace frame 250 with formwork-prop connector.... | 31.50 |

Formwork-prop connector

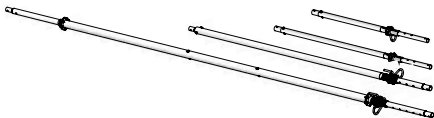
Galvanized. Connects braces, brace frames and push-pull props (max. Ø 48 mm) to the multi-function profile with a flange screw 18. Delivery includes head bolt 16/90 and cotter pin 4.



| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------|------|
| 29-804-85 ... | Formwork-prop connector | 1.65 |

Push-pull prop R

Galvanized. Guarantee tensile and compression strength. Align and brace wall formwork. Length of thread 20.6 cm. Foot plates and formwork-prop-connectors to be ordered separately.

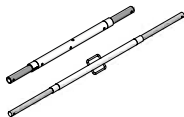


| Ref.-No. | Description / Application | kg |
|---------------|--|-------|
| 29-109-40 ... | Push-pull prop R 160 ..(135-200) | 12.60 |
| 29-109-60 ... | Push-pull prop R 250 ..(190-320) | 17.20 |
| 29-109-80 ... | Push-pull prop R 460 ..(340-520) | 34.00 |
| 29-109-85 ... | Push-pull prop R 630 ..(510-760) | 57.00 |

Column Formwork

Brace SRL

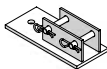
Galvanized. Guarantees tensile and compression strength. Consists of a right and left-hand spindle as well as a revolving central part. Is used to align and support wall formwork. The footplate and the formwork-prop connector must be ordered separately.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------------|-------|
| 29-108-80 ... | Brace SRL 120(90-150)..... | 8.79 |
| 29-108-90 ... | Brace SRL 170(120-220) | 11.50 |

Double-jointed foot plate

Galvanized. Delivery includes head bolt 16/90 and cotter pin 4. Serves as foot plate for brace frames 250 and as connector for braces and push-pull props up to Ø 57 mm.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|------|
| 29-402-32 ... | Double-jointed foot plate | 4.00 |

Head bolt 16/90

Galvanized. Is used to attach push-pull props and braces to foot plates and formwork-prop connectors.



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 42-413-50 ... | Head bolt 16/90, galv. | 0.17 |

Cotter pin 4

Galvanized. Locks the head bolt.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 62-010-04 ... | Cotter pin 4..... | 0.02 |

Column Formwork

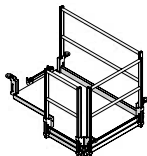
Linchpin 4.5

Not shown. Galvanized. Locks the head bolt.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 62-010-03 ... | Linchpin 4.5 | 0.01 |

CF access platform

With pluggable guard-railing; galvanized steel frame covered with non-slipping aluminium. Load capacity 2 kN/m². Is attached to the CF column panels with a CF scaffold bracket and a CF cantilever angle.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|--------|
| 29-414-10 ... | CF access platform | 106.50 |

CF scaffold bracket

Galvanized. Connects the CaroFalt and the CF access platform. Is attached to the CF column panel with a flange screw 18 and a CF transport device 130 through the transport hole. The CF access platform is attached with the integrated hammerhead screw.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-414-15 ... | CF scaffold bracket..... | 9.50 |

CF cantilever angle

Galvanized. Is attached to the CF column panel with CF transport device 130 through the transport hole. The CF access platform is secured with the integrated hammerhead screw.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-414-20 ... | CF cantilever angle | 14.70 |

Column Formwork

CF front railing

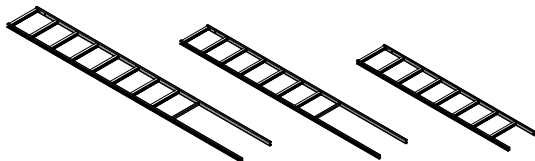
Galvanized. Is plugged into the CF-access platform.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-414-25 ... | CF front railing | 11.00 |

Ladder

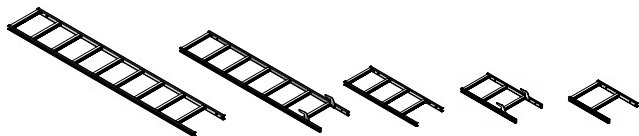
Galvanized. Is hooked into the CF-access platform and automatically secured. Can be extended with extension ladders. Safety cages are required for operational safety.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-414-50 ... | Ladder 348..... | 23.20 |
| 29-414-55 ... | Ladder 318..... | 21.10 |
| 29-416-50 ... | Ladder 243..... | 17.20 |

Extension ladder

Galvanized. Depending on the required height, the extension ladder is either hooked into the steps of the ladder or bolted to the ladder with the ladder connector. The extension ladder must be secured with the CF-ladder fixture. An additional extension in increments of 30 cm is achieved by hooking an extension ladder into the appropriate step.

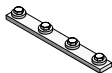


Column Formwork

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-416-52 ... | Extension ladder 270..... | 19.20 |
| 29-414-60 ... | Extension ladder 210..... | 15.80 |
| 29-416-55 ... | Extension ladder 120..... | 8.50 |
| 29-416-60 ... | Extension ladder 90..... | 7.40 |
| 29-416-62 ... | Extension ladder 60..... | 4.40 |

Ladder connector

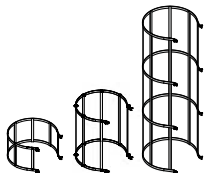
Galvanized. Connects the joint of two extension ladders without the need to hook one ladder into a step of the other.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-414-70 ... | Ladder connector..... | 1.03 |

Safety cage

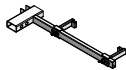
Galvanized. Internal Ø 70 cm. Protects workers when ascending and descending the ladder. The safety cages are attached to the (extension) ladders with the integrated hammerhead screws.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-414-85 ... | Safety cage 210 | 27.60 |
| 29-414-90 ... | Safety cage 85 | 12.10 |
| 29-416-90 ... | Safety cage 40 | 8.20 |

CF ladder fixture

Galvanized. Is attached to a multi-function profile of the CaroFalt with a flange screw 18. Two CF-ladder fixtures are required for heights from 3.60 m, three for heights from 4.80 m.

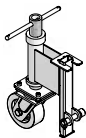


| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-414-65 ... | CF ladder fixture..... | 5.00 |

Column Formwork

CF transport wheel

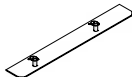
Galvanized. Hard rubber wheels with little rolling friction. For the horizontal transport of closed column formwork. Load capacity 600 kg per wheel. Spindle range 7.5 cm. Always 4 wheels are required for a formwork unit. May be used up to a formwork height of 3.60 m.



| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------|-------|
| 29-413-50 | ... CF transport wheel..... | 14.50 |

CF steel sheet for sliding

Galvanized. Protects the alkus facing and the panel frames from damage when opening and closing the formwork. Is attached to transport holes and secured with clip pins. Four steel sheets are required per column form. Delivery includes clip pins.



| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------------|------|
| 29-413-60 | ... CF steel sheet for sliding..... | 3.15 |

CF transport device 130

For the vertical transport of the CF-column formwork. Is bolted. Load capacity 12 kN (1.2 tons). Always 3 CF transport devices are required per column unit. For use and safety test of the CF transport device refer to its Operating Instructions.



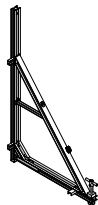
| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------------|------|
| 29-413-70 | ... CF transport device 130 | 1.65 |



Support Frame STB

Support frame STB 300

Sturdy steel construction, coated: Height 3.00 m. Is used to brace single-sided wall formwork up to a pouring heights of 330 cm. A spindle allows for the precise plumb-vertical positioning of the formwork. Spindle stroke 19,5 cm. Lifting eye max. 1.0 t.



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|--------|
| 29-402-62 ... | Support frame STB 300 | 169.00 |

Base extension 300/200

Coated. Supplements the support frame STB 300 for special applications, which require a detailed planning and static calculation by MEVA engineers.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|-------|
| 29-402-64 ... | Base extension STB 300/200..... | 53.20 |

Cross beam 300

Coated. Links formwork in vertical position and support frames with flange screws. Allows to build transport units. Welded-in nuts guarantee a support frame spacing adapted to MEVA wall formwork systems.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-403-05 ... | Cross beam 300 | 60.00 |

M cross stiffener 44

Galvanized. In connection with support frames STB 300 it is used as a tie-beam to transfer the load from the support frame into the anchoring loops.



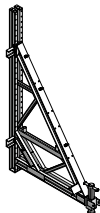
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-401-02 ... | M cross stiffener 44..... | 6.30 |

Support Frame STB

Support frame 300 Plus

Painted steel; for single-sided walls up to 3.30 m. A spindle allows the formwork to be exactly aligned vertically. In conjunction with STB height extension 50 and STB base extension 57, a pouring height of 4.50 m is possible. Spindle stroke 25.5 cm.

| Ref.-No. | Description / Application | kg |
|-----------|----------------------------------|--------|
| 29-402-60 | ... Support frame 300 Plus | 283.70 |



STB fixing screw

Painted steel; connects the STB compensation rail to the STB height extension 50 or the support frame 300 Plus.

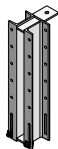
| Ref.-No. | Description / Application | kg |
|-----------|----------------------------|------|
| 29-401-19 | ... STB fixing screw | 1.75 |



STB compensation rail

Painted steel; bolted to the STB height extension 50 or support frame 300 Plus with the STB fixing screw so that this can be attached to the slab with anchor dowels.

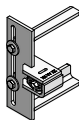
| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------|-------|
| 29-402-66 | ... STB compensation rail | 19.50 |



STB panel support

Painted steel; attached below a cross stiffener of the formwork panels. To attach and support a walkway bracket on the support frame 300 plus.

| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------|------|
| 29-402-68 | ... STB panel support | 3.92 |



Support Frame STB

STB base extension 57

Painted steel; used for the single or multiple backward extension of the support frame 300 Plus and for the attachment of push-pull prop or Triplex.



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|-------|
| 29-402-69 ... | STB base extension 57 | 28.50 |

STB height extension 50

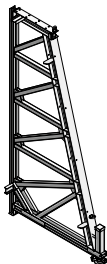
Painted steel; used to increase the height of the support frame 300 Plus; only in connection with push-pull prop or Triplex and STB base extension 57.



| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------|-------|
| 29-402-63 ... | STB height extension 50 | 23.20 |

Support frame STB 450

Sturdy steel construction, coated, height 4.50 m. To brace single-sided wall formwork up to a pouring height of 5.00 m. A spindle allows to set the formwork plumb. Spindle stroke 59 cm.



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|--------|
| 29-406-00 ... | Support frame STB 450 | 624.00 |

Support frame STB 450 for mobile unit

Not shown. The support frame STB 450 for mobile unit is equipped with an additional steel plate so it can be distinguished from other support frames. The steel plate is in signal colour.

| Ref.-No. | Description / Application | kg |
|---------------|--|--------|
| 29-406-02 ... | Support frame STB 450 for mobile unit..... | 828.00 |

Support Frame STB

STB Special connector

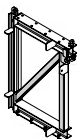
Steel. Used to connect the support frame STB 450 to the STB extension 150 and also to connect the STB extensions 150 to each other when the aluminium platform M 2470 SB with access hatch (29-600-15) is used.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------|-------|
| 29-406-87 | ... STB Special connector | 21.30 |

Height extension STB 150

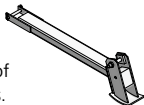
Coated. Height 1.50 m. Extends support frame STB 450 by 1.50 m (one or several times). Pouring heights of 7.50 m (or higher) also require Triplex SB braces and base extensions. The required connecting devices are included in the delivery. Pouring heights exceeding 7.50 m also require Triplex SB braces and base extensions – all necessary connectors are included in the delivery. The height extension is attached to the support frame or to another height extension by 8 screws M20 which are part of the delivery. The crane eye has an admissible load bearing capacity of 3.2 tonnes.



| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------------|--------|
| 29-406-10 | ... Height extension STB 150..... | 119.00 |

Base extension STB

Coated. Is used for the one-time or -multiple backward extension of support frame STB 450 and for the attachment of Triplex SB braces.

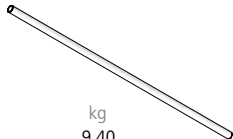


| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------|-------|
| 29-406-20 | ... Base extension STB 450..... | 40.00 |

Support Frame STB

Scaffold tube

Galvanized. Is used to reinforce large-size units of support frames or climbing systems for transport.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-412-23 ... | Scaffold tube 48/200..... | 9.40 |
| 29-412-26 ... | Scaffold tube 48/300..... | 14.10 |
| 29-412-27 ... | Scaffold tube 48/400..... | 18.80 |
| 29-412-25 ... | Scaffold tube 48/500..... | 23.50 |
| 29-412-28 ... | Scaffold tube 48/600..... | 28.20 |

Rigid coupler 48/48

Galvanized. Connects 2 scaffold tubes with Ø 48.3 mm at an angle of 90°. SW 22.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-412-50 ... | Rigid coupler 48/48 | 1.10 |

Swivel-joint coupler 48/48

Galvanized. Connect 2 scaffold tubes with Ø 48.3 mm at any angle required.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|------|
| 29-412-52 ... | Swivel-joint coupler 48/48..... | 1.20 |

Bolt-on coupler 48/M14

Galvanized. Permits the attachment of scaffold tubes with Ø 48.3 mm to support frames, climbing brackets, etc.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 40-080-70 ... | Bolt-on coupler 48/M14 | 0.60 |

Support Frame STB

Joint coupler 48/48 SW 22

Galvanized. Is used together with a tube connector 48 to attach scaffold tubes with \varnothing 48.3 mm at tube joints.



| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------------|------|
| 29-412-55 | ...Joint coupler 48/48 (SW 22) | 1.40 |

Tube connector 48

Galvanized. Is required for joint coupler 48/48 and used to reinforce the joint of 2 tubes.



| Ref.-No. | Description / Application | kg |
|-----------|----------------------------|------|
| 29-412-57 | ...Tube connector 48 | 1.10 |

Triplex SB

Galvanized. Provides together with the base extension the required additional support for concreting heights of 7.50 m (or higher). For details see the Triplex Technical Instruction Manual.

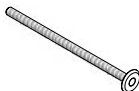


| Ref.-No. | Description / Application | kg |
|-----------|---|-------|
| 29-407-15 | ... Triplex SB 300 (right-hand thread) | 71.00 |
| 29-407-17 | ... Triplex SB 300 (left-hand thread) | 71.00 |
| 29-407-30 | ... Triplex intermediate piece SB 50 | 15.21 |
| 29-407-35 | ... Triplex intermediate piece SB 100 | 22.14 |
| 29-407-40 | ... Triplex intermediate piece SB 200 | 37.72 |
| 29-407-45 | ... Triplex intermediate piece SB 300 | 53.30 |
| 29-407-25 | ... Top unit 73 (left-hand thread) black, w/o screws | 18.60 |
| 29-407-20 | ... Top unit 73 (right-hand thread) silver, with screws.. | 19.00 |

Support Frame STB

Fixing screw 35/DW15

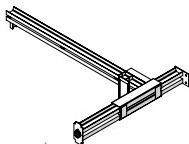
Galvanized. Is used to attach a support frame to the tie holes of panels in horizontal position. A flange nut 100 or an articulated flange nut 15/120 is required.



| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------|------|
| 29-401-20 | ... Fixing screw 35/DW15 | 0.60 |

Stop end bracket SB 110

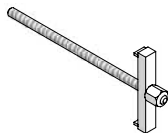
Coated. Is used to form stop ends when the pouring height exceeds 4.00 m. For max. wall thickness 1.10 m. A clamping device for stop end brackets SB 110 (or a tie rod DW 15 with a length of 45 cm) is required to attach the stop end bracket SB 110 to the support frame.



| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------------|--------|
| 29-406-40 | ... Stop end bracket SB 110 | 198.00 |

Clamping device for stop end bracket SB 110

Coated. Is used to connect the stop end bracket SB 110 to the support frame. A flange nut 100 or an articulated flange nut 15/120 is also required.

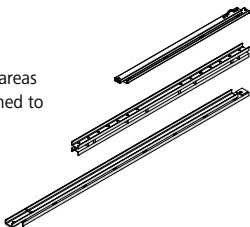


| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-406-60 | ... Clamping device for stop end bracket SB 110..... | 1.40 |

Support Frame STB

M alignment rail

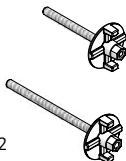
Galvanized. Are used to brace panel joints for crane ganging, bridge problem areas, brace compensation areas and build stop ends with stop end fixtures. Are attached to the formwork with flange screws.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------------|--------|
| 29-402-50 ... | M-alignment rail 250, galv..... | 34.50 |
| 29-402-45 ... | M-alignment rail 350, reinforced..... | 124.00 |
| 29-402-38 ... | M-alignment rail 450, reinforced..... | 159.00 |

Flange screw

Galvanized. DW thread Ø 15 mm. Is used to attach accessories to the multi-function profiles of the panels, e.g. alignment rails, cross braces, cross beams 300, formwork-prop connectors, etc.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-401-10 ... | Flange screw 18..... | 1.02 |
| 29-401-12 ... | Flange screw 28..... | 1.28 |

Corner bracket STB

Coated. Supports the inside corner area of single-sided wall formwork. Dimensions 137 x 137 cm. Welded-in DW-threaded nuts to attach 2 or 3 support frames STB 300 or STB 450. Flange screws are required to attach the cross brace to the formwork and the support frame to the cross brace.

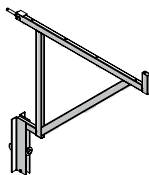


| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-406-70 ... | Corner bracket STB..... | 92.00 |

Support Frame STB

Walkway bracket

Galvanized, yellow, pluggable. Is used as working and safety scaffold. Is attached to the multi-function profile and secured to the multi-function profile below with a flange screw 18. The planking can be mounted to the brackets. Working width approx. 90 cm. MEVA Guardrailing post is also required. Bracket spacing depends on type of planking (DIN 4420).

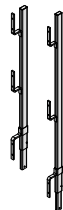


| Ref.-No. | Description / Application | kg |
|---------------|--|-------|
| 29-106-00 ... | Walkway bracket 90 (yellow), galv..... | 10.30 |

Guardrailing post

Galvanized. Is plugged into the walkway bracket.

| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-106-75 ... | Guard-railing post 100 | 3.70 |
| 29-106-85 ... | Guard-railing post 140 | 4.70 |



Guardrailing post 48

Galvanized. Equipped with an adapter to allow it to be plugged into the walkway bracket and with Ø48 mm tube to allow scaffold couplers to be attached.

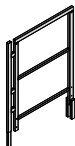
| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------------|------|
| 29-106-80 ... | Guard-railing post 48/120 (UK)..... | 5.50 |



Side railing

Galvanized. Is plugged into the walkway bracket.

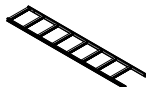
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|-------|
| 29-108-20 ... | Side railing 90/100, galv. | 12.30 |



Support Frame STB

Ladder

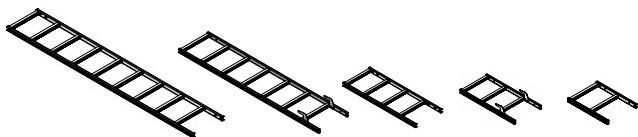
Galvanized. Can be extended with extension ladders. Safety cages are required for operational safety.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-416-50 ... | Ladder 243..... | 17.20 |

Extension ladder

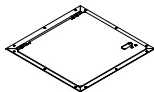
Galvanized. Depending on the required height, the extension ladder is either hooked into the steps of the ladder or bolted to the ladder with the ladder connector. The extension ladder must be secured with the Ladder fixture 33/45. An additional extension in increments of 30 cm is achieved by hooking an extension ladder into the appropriate step.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-416-52 ... | Extension ladder 270..... | 19.20 |
| 29-414-60 ... | Extension ladder 210..... | 15.80 |
| 29-416-55 ... | Extension ladder 120..... | 8.50 |
| 29-416-60 ... | Extension ladder 90..... | 7.40 |
| 29-416-62 ... | Extension ladder 60..... | 4.40 |

Access hatch KLK

Galvanized steel frame. Hatch made from checker plate. Cathaphoretic coating; max. opening 88°, self-closing.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-416-05 ... | Access hatch KLK | 22.30 |

Support Frame STB

Telescopic ladder SB

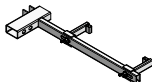
Galvanized. For all aluminium platforms with hatch.

| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------------|-------|
| 29-603-40 ... | Telescopic ladder 2600-4100 SB | 27.20 |
| 29-603-45 ... | Telescopic ladder 1700-3180 SB | 22.40 |



Ladder fixture 33/45

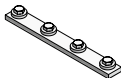
Galvanized. Is attached to the multi-function profile of the wall formwork panel with a flange screw 18. When used for formwork heights from 350 cm to 450 cm, the STB 450 support frame requires three ladders fixtures 33/45. For formwork heights exceeding 450 cm, contact the MEVA application engineering.



| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|------|
| 29-404-35 ... | Ladder fixture 33/45 | 6.40 |

Ladder connector

Galvanized. Connects the joint of two extension ladders without the need to hook one ladder into a step of the other.

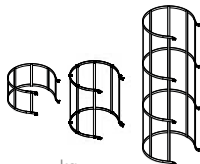


| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-414-70 ... | Ladder connector | 1.03 |

Support Frame STB

Safety cage

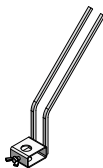
Galvanized. Internal Ø 70 cm. Protects workers when ascending and descending the ladder. The safety cages are attached to the (extension) ladders with the integrated hammerhead screws.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-414-85 ... | Safety cage 210 | 27.60 |
| 29-414-90 ... | Safety cage 85 | 12.10 |
| 29-416-90 ... | Safety cage 40 | 8.20 |

Anchor support DW 15 - DW 26.5

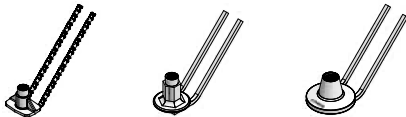
Steel, uncoated. Bottom bent by 45°. Supports DW 15, DW 20 and DW 26.5 tie rods. The tie rods are re-usable if PVC sleeves are used. The anchor support is always attached with the integrated adjusting screw.



| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------------|------|
| 29-925-80 ... | Anchor support DW 15 - DW 26.5 | 0.96 |

Single anchor DW

Steel, uncoated. Admissible load: DW 15 = 90 kN, DW 20 = 160 kN, DW 26.5 = 250 kN. Is used for 45° anchoring in the bottom slab when using support frames. Attachment at bottom rebar.

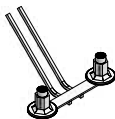


| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 29-925-40 ... | Single anchor DW15 | 0.80 |
| 29-925-45 ... | Single anchor DW 20 | 1.30 |
| 29-925-50 ... | Single anchor DW 26.5 | 2.40 |

Support Frame STB

Double anchor DW

Steel, uncoated. Admissible load: DW 15 = 180 kN, DW 20 = 320 kN. Is used for 45° anchoring in the bottom slab when using support frames. Attachment at bottom rebar.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-925-60 ... | Double anchor DW 15..... | 1.90 |
| 29-925-65 ... | Double anchor DW 20..... | 2.70 |

Tie rod DW

Uncoated; not weldable; with DW thread; DIN 18216. To transfer the load from the support frame into the floor slab or foundation Ø in mm. Ø 15: admissible load capacity 90 kN, Ø 20: admissible load capacity 160 kN, Ø 26.5: admissible load capacity 250 kN.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-900-76 ... | Tie rod DW 15/45..... | 0.63 |
| 29-900-80 ... | Tie rod DW 15/90..... | 1.25 |
| 29-900-97 ... | Tie rod DW 20/120..... | 3.00 |
| 29-900-75 ... | Tie rod DW 26.5/80..... | 3.60 |

Wobble anchor DW 26.5/80

Raw, weldable, length 80 cm, for rear anchoring in the concrete, adm. load capacity: 240 kN



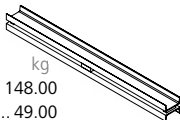
| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------|------|
| 29-900-72 ... | Wobble anchor DW 26.5/80..... | 3.64 |

Support Frame STB

Twin channel

Coated. Is used with support frame STB 450 and transfers the load from the support frame into the anchor bars.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|--------|
| 29-406-30 ... | Twin channel 245/22 | 148.00 |
| 29-406-35 ... | Twin channel 80/22 | 49.00 |
| 29-406-38 ... | Twin channel 80/12 | 22.50 |



Anchor loop

Uncoated, not weldable. With DW thread. DIN 18216. Transfers the load from the support frame into the floor slab or foundation.

Adm. load depends on loop diameter.

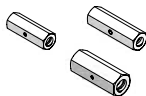
Ø 15 mm: 2 x 90 kN = 180 kN. Ø 20 mm: 2 x 160 kN = 320 kN.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-001-20 ... | Anchor loop 15 | 2.40 |
| 29-001-25 ... | Anchor loop 20 | 4.50 |

Coupling nut

With DW thread; DIN 18216. Connects tie rods to the anchor loop when length extension is necessary. Admissible load in kN and SW in mm: Ø 15 mm (90 kN, SW 30), Ø 20 mm (160 kN, SW 36), Ø 26.5 mm (250 kN, SW 46).



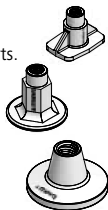
| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|------|
| 29-900-55 ... | Coupling nut DW 15 | 0.43 |
| 29-900-50 ... | Coupling nut DW 20 | 0.70 |
| 29-900-56 ... | Coupling nut DW 26.5 | 1.40 |

Support Frame STB

Fix anchor

Uncoated. Is used to anchor tie rods in the concrete with anchor supports.

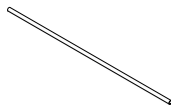
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-926-60 ... | Fix anchor DW 15..... | 0.52 |
| 29-926-65 ... | Fix anchor DW 20..... | 0.85 |
| 29-926-70 ... | Fix anchor DW 26.5..... | 1.90 |



Plastic tube

Is used as a plastic sleeve for a tie rod that is to be recovered and re-used. 2 m long.

| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|------|
| 29-902-30 ... | Plastic tube D22/200 | 0.35 |
| 29-902-29 ... | Plastic tube D26/200 | 0.40 |
| 29-902-28 ... | Plastic tube D32/200 | 0.40 |



Planing cap DW

Hard foam, 13 cm long, 45° end piece. For DW 15 and DW 20 (or 26.5). Is plugged onto the DW tie rod or on a plastic sleeve for one-sided anchoring of support frames STB. Hole depth 5 cm.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-917-75 ... | Planing cap DW 15..... | 0.01 |
| 29-917-80 ... | Planing cap DW 20..... | 0.01 |
| 29-917-85 ... | Planing cap DW 26.5..... | 0.02 |



Support Frame STB

Spiral anchor DW 15/100

Steel spiral bead, 10 cm long, with styropore core. Is used to attach formwork equipment with tie rods DW 15, e.g. when adjusting the equipment when using push-pull props or the like. Remove the styropore with a 14 mm drill.



| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------------|------|
| 29-921-10 | ... Spiral anchor DW 15/100 | 0.06 |

Adjustable spanner

Not shown. For DW 15, DW 20 and DW 26.5. Is used to loosen and unscrew recoverable tie rods.

| Ref.-No. | Description / Application | kg |
|-----------|------------------------------|------|
| 29-926-95 | ... Adjustable spanner | 1.60 |

Quick anchor

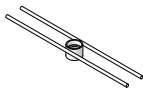
Including anchor plate and spiral spring. Is pressed into the fresh concrete. The thickness of the upper concrete layer is set by adjusting the anchor plate. Secured in the rebar with the quick anchor holder. Extraction force at 24 N/mm²; concrete strength 49.9 kN.



| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------------|------|
| 29-922-70 | ... Quick anchor | 0.30 |
| 29-922-73 | ... Quick anchor anchor plate | 0.05 |

Quick-anchor fixture

To secure the spiral anchor or the quick anchor in the rebar.



| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------|------|
| 29-922-75 | ... Quick-anchor fixture | 0.18 |

Support Frame STB

Spiral spring

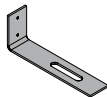
Spare part, remains in concrete.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-922-72 | Spiral spring | 0.04 |

Upstand bracket

Adjustment range 100 mm. Is used to brace upstand formwork.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-925-10 | Upstand bracket..... | 1.00 |

Articulated flange nut

Forged, galvanized. DIN 18216. DW thread \varnothing 15 mm (20 mm).
Plate \varnothing 120 mm (140 mm), max. inclination 10° , SW 27 (36).
Max. load capacity 90 kN (160 kN).



| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------------|------|
| 29-900-10 | Articulated flange nut 15/120 | 1.81 |
| 29-900-05 | Articulated flange nut 20/140 | 2.40 |

Flange nut 100

Forged; galvanized. DIN 18216. DW thread \varnothing 15 mm, plate \varnothing 100 mm,
SW 27. Max. load capacity 90 kN.



| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------------|------|
| 29-900-20 | Flange nut 100 (SW 27, forged) | 0.70 |

Support Frame STB

Spanner

Inset yellow chromated. Spanner width (SW) 27 mm. Is used to tighten and loosen flange nuts 100, articulated flange nuts 15/120 and flange screws. Is also used for articulated flange nuts 20/140 with SW 36 mm.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-800-10 ... | Spanner SW 27 | 1.80 |
| 29-800-15 ... | Spanner SW 36 | 3.30 |

Hexagonal nut

Forged; with DW thread; DIN 18216. To tie the anchors in the bottom slab and at the support frame; is used with a counter plate to increase the pull-out resistance. Admissible load in kN and SW in mm. Ø 15 mm (90 kN, SW 30), Ø 20 mm (160 kN, SW 36), Ø 26.5 mm (250 kN, SW 46).

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-900-60 ... | Hexagonal nut 15..... | 0.20 |
| 29-900-61 ... | Hexagonal nut 20..... | 0.50 |
| 29-900-58 ... | Hexagonal nut 26.5..... | 0.50 |



Counter plate

Galvanized. is used to anchor the support frame together with the hexagonal nut. Hole Ø 25 mm or 38 mm.

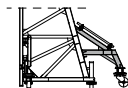
| Ref.-No. | Description / Application | kg |
|---------------|--|------|
| 29-900-35 ... | Counter plate 120 x 120 x 20/25, galv..... | 2.10 |
| 29-900-30 ... | Counter plate 120 x 120 x 20/38, galv..... | 2.10 |



Support Frame STB

Trolley bracket STB 450

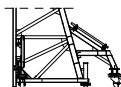
Coated. For swivel-type castors with different load capacities. Is required for mobile formwork units with support frame STB 450 for mobile unit.



| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------|-------|
| 29-406-75 ... | Trolley bracket STB 450 | 95.00 |

Support bracket STB 450

Coated. For swivel-type castors with different load capacities. Is required for mobile formwork units with support frame STB 450 for mobile unit.



| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------|-------|
| 29-406-80 ... | Support bracket STB 450 | 59.50 |

Adapter for swivel-type castor STB 450

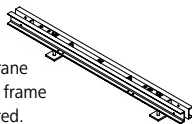
Coated. For swivel-type castors with different load capacities. Is required for mobile formwork units with support frame STB 450 if height exceeds 6 m.



| Ref.-No. | Description / Application | kg |
|---------------|--|-------|
| 29-406-85 ... | Adapter for swivel-type castor STB 450 | 19.00 |

Trolley waler

Coated. Is used for a fast support frame transport when a crane cannot be used. The trolley waler is attached to the support frame units. Wheel adapters, trolley spindles and castors are required. Please observe the trolley waler instructions (refer to the STB Technical Instruction Manual).



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-403-70 ... | Trolley waler | 76.00 |

Support Frame STB

Wheel adapter for trolley waler

Galvanized. Is used to install swivel-type castors for 2 or 6 tons.

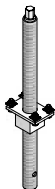
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------------|-------|
| 29-403-75 ... | Wheel adapter for trolley waler | 12.00 |



Trolley spindle 48/70

Galvanized. Is used to raise or lower the support frame units when attaching the swivel-type castors.

| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 29-403-80 ... | Trolley spindle 48/70 | 7.40 |



Swivel-type castor 2 tons

Suited for the wheel adapter for the trolley waler. Load capacity 2 tons; with slide bearing; total height 305 mm; plate size 175 x 140 mm; screw hole spacing 140 x 105 mm; drill hole \varnothing 14 mm; cantilever 75 mm. Mounting with M12x35. Lanyards must be ordered separately.

| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-306-50 ... | Swivel-type castor 2 t | 8.30 |



Swivel-type castor 6 tons

Load capacity 6 tons; with ball bearing; total height 330 mm; plate size 225 x 200 mm, screw hole spacing 210 x 200 mm, drill hole \varnothing 18 mm, cantilever 85 mm. Mounting with M16x50. Lanyards must be ordered separately.

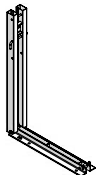
| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|-------|
| 29-306-75 ... | Swivel-type castor 6 t | 22.10 |



Support Frame STB

Brace bracket SK 150

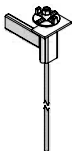
Coated. Is used to form stop ends for foundation slabs with a max. thickness of 1.50 m. Incl. accessories for attachment.
Braces SRL 120 or SRL 170 must be ordered separately.



| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|-------|
| 29-403-50 ... | Brace bracket SK 150 | 38.00 |

Positioning support SK

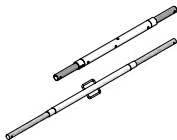
Coated. Permits the exact levelling and positioning of stop ends when used with the brace bracket SK 150, even on a sloped surface.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-403-55 ... | Positioning support SK | 4.10 |

Brace SRL

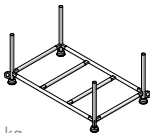
Galvanized. Consists of a right and a left-hand spindle as well as a revolving centre part. Foot plates and formwork-prop-connectors to be ordered separately.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------------|-------|
| 29-108-80 ... | Brace SRL 120(90-150)..... | 8.79 |
| 29-108-90 ... | Brace SRL 170(120-220) | 11.50 |

Stacking rack

Coated. Is used to store and transport brace bracket, props, wooden girders, etc.



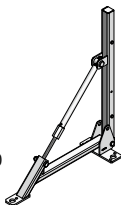
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 27-000-20 ... | Stacking rack..... | 34.56 |

Support Frame STB

Brace bracket 80

Galvanized. Can be used for floor slabs and slab ends up to 80 cm high. Can be inclined by up to +/- 15°. With plastic nail bar. Can be folded for transport.

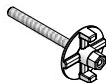
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-921-35 ... | Brace bracket 80 | 11.50 |



Flange screw 12

Galvanized. DW thread Ø 15 mm. Is used to attach accessories, e.g. alignment rails, brace frames, push-pull props, etc. Length of thread 12 cm.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-900-70 ... | Flange screw 12 | 0.95 |



Double-headed ground nail 25/480

Is used to attach brace bracket 80. Double-headed. Is removed from the earth with the extractor (to be ordered separately).

| Ref.-No. | Description / Application | kg |
|---------------|--|------|
| 29-800-45 ... | Double-headed ground nail 25/480 | 2.00 |



Remover for soil nail

Is used to remove the ground nail from the earth together with a lever rod (not supplied).

| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 29-800-50 ... | Remover for soil nail | 0.80 |



Support Frame STB

STB & SecuritBasic

STB Special connector

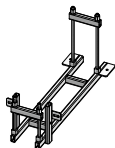
Steel. Used to connect the support frame STB 450 to the STB extension 150 and also to connect the STB extensions 150 to each other when the aluminium platform M 2470 SB with access hatch (29-600-15) is used.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------|-------|
| 29-406-87 | ... STB Special connector | 21.30 |

Horizontal girder STB 450 SB

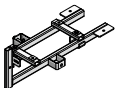
Steel, painted. Used in STB 450 to support the aluminium platform M 2470 SB with access hatch (29-600-15). Two horizontal girders STB are required for each platform.



| Ref.-No. | Description / Application | kg |
|-----------|--|-------|
| 29-406-25 | ... Horizontal girder STB 450 SB | 16.90 |

Horizontal girder STB-Extension 150 SB

Steel, painted. Used in the STB extension 150 to support the aluminium platform M 2470 SB with access hatch (29-600-15). Two horizontal girders STB are required for each platform.



| Ref.-No. | Description / Application | kg |
|-----------|--|-------|
| 29-406-27 | ... Horizontal girder STB-Extension 150 SB | 12.16 |

Front railing post retractable STB 450

Steel, painted. Used to create a retractable front railing STB with scaffold tubes. It is attached to the facing side of SecuritBasic as part of the fall protection equipment together with the support for guardrailing post IC. Two front railing posts are required for each platform.



| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-406-29 | ... Front railing post retractable STB 450 | 6.20 |

Support Frame STB

Toe board holder STB SB

Steel, galvanized. Used to secure the toe board STB 480 SB to the aluminium platform M 2470 SB with access hatch (29-600-15) when the platform is used in the STB 450. Two toe board supports STB SB are required for each platform.



| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------|------|
| 29-406-62 ... | Toe board holder STB SB | 1.00 |

Toe board STB 480 SB

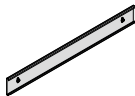
Steel, painted. Length = 480 mm. Used to prevent tools and material falling off the working platform. This toe board is required when the platform is used in the support frame STB 450 (not in the STB extension 150). It is secured to the platform at the outer ends outside the support frames using toe board holder STB SB. Two toe boards STB 480 are required for each platform. An additional toe board STB 1290 SB must be ordered for this application to secure the area between the support frames STB 450.

| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|------|
| 29-406-64 ... | Toe board STB 480 SB | 2.50 |



Toe board STB 1290 SB

Steel, painted. Length = 1290 mm. Used to prevent tools and material falling off the working platform. This toe board is required when the platform is used in the support frame STB 450 (not in the STB extension 150). It is attached to the horizontal girder STB 450 SB. One toe board STB 1290 is required for each platform. Two additional toe boards STB 480 SB must be ordered for this application to secure the area beyond the support frames STB 450.

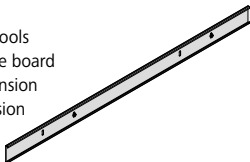


| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 29-406-66 ... | Toe board STB 1290 SB | 6.30 |

Support Frame STB

Toe board STB 2470 SB

Steel, painted. Length = 2470 mm. Used to prevent tools and material falling off the working platform. This toe board is required when the platform is used in the STB extension 150. It is attached to the horizontal girder STB extension 150 SB. One toe board STB 2470 SB is required for each platform.



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|-------|
| 29-406-68 ... | Toe board STB 2470 SB | 11.90 |

Slab Formwork

 **meva**

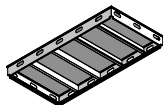
MevaDec



Slab Formwork

MevaDec-e

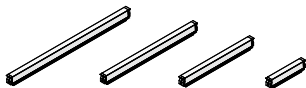
Aluminium with AL 10 facing or with 10 mm birch plywood facing (BP = birch ply). Easy to clean due to a high-quality cured powder-coating.



| Ref.-No. | Description / Application | m ² | kg |
|---------------|--------------------------------|----------------|-------|
| 22-305-05 ... | MevaDec-e AL.....160/160 | 2.56 | 46.70 |
| 22-305-10 ... | MevaDec-e AL.....160/80 | 1.28 | 20.70 |
| 22-305-15 ... | MevaDec-e AL.....160/60 | 0.96 | 16.80 |
| 22-305-20 ... | MevaDec-e AL.....160/40 | 0.64 | 12.80 |
| 22-305-30 ... | MevaDec-e AL.....80/80 | 0.64 | 11.50 |
| 22-305-35 ... | MevaDec-e AL.....80/60 | 0.48 | 9.20 |
| 22-305-40 ... | MevaDec-e AL.....80/40 | 0.32 | 6.90 |
| 22-305-09 ... | MevaDec-e BP.....160/80 | 1.28 | 18.30 |
| 22-305-14 ... | MevaDec-e BP.....160/60 | 0.96 | 15.00 |
| 22-305-19 ... | MevaDec-e BP.....160/40 | 0.64 | 11.60 |
| 22-305-29 ... | MevaDec-e BP.....80/80 | 0.64 | 10.30 |
| 22-305-34 ... | MevaDec-e BP.....80/60 | 0.64 | 8.30 |
| 22-305-39 ... | MevaDec-e BP.....80/40 | 0.32 | 6.30 |

MevaDec-e primary beam

Aluminium with high-quality cured powder coating. In conjunction with the MevaDec-e drop head, it forms the load-bearing system of MevaDec-e. Punched support grooves reduce the cleaning effort.



| Ref.-No. | Description / Application | m ² | kg |
|---------------|----------------------------------|----------------|-------|
| 22-305-50 ... | MevaDec-e primary beam 270 | 0.27 | 22.00 |
| 22-305-55 ... | MevaDec-e primary beam 210 | 0.21 | 17.20 |
| 22-305-60 ... | MevaDec-e primary beam 160 | 0.16 | 13.10 |
| 22-305-65 ... | MevaDec-e primary beam 80 | 0.08 | 6.66 |

Slab Formwork

MevaDec-e secondary beam

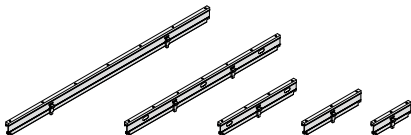
Aluminium profile with nailing strip. If used with the drop-head-beam-panel method, it is used for length compensation purposes.



| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------------|------|
| 72-305-80 ... | MevaDec-e secondary beam 160/21..... | 5.60 |
| 72-305-85 ... | MevaDec-e secondary beam 80/21..... | 3.00 |

MevaDec-e compensation beam

Aluminium with high-quality cured powder coating. Equipped with a nailing strip for job-built length compensation. For facing thickness of 21 mm.



| Ref.-No. | Description / Application | kg |
|---------------|--|------|
| 22-306-10 ... | MevaDec-e compensation beam 210/21 | 5.90 |
| 22-306-20 ... | MevaDec-e compensation beam 160/21 | 5.00 |
| 22-306-30 ... | MevaDec-e compensation beam 80/21 | 2.25 |
| 22-306-40 ... | MevaDec-e compensation beam 60/21 | 1.70 |
| 22-306-50 ... | MevaDec-e compensation beam 40/21 | 1.15 |

Slab Formwork

MevaDec-e drop head

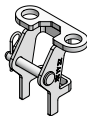
Galvanized, partially with high-quality cured powder coating. A safety latch prevents disengagement. Enables the MevaDec-e primary beam as well as the panels to be lowered. These can then be removed and are available for use during the next cycle. The drop head still supports the concrete slab ("early stripping"). It is attached to the prop with four M12 x 35 screws and M12 locking nut (EuMax) or with four M16 x 40 screws and M16 locking nut (to the aluminium profile of the MEP prop) or it is secured with pin 14/90e (EuMax) or pin 14/135 (to the aluminium profile of the MEP prop).



| Ref.-No. | Description / Application | m ² | kg |
|-----------|---------------------------------------|----------------|------|
| 29-301-05 | MevaDec-e drop head (plug-in version) | 0.01 | 7.33 |

MevaDec-e ASV for inclined slabs

Steel, galvanized. Anchoring device (ASV) for inclined slabs. For installation on the MevaDec-e drop head (plug-in version). Allows anchoring using two eyelets.



| Ref.-No. | Description / Application | kg |
|-----------|----------------------------|------|
| 29-303-30 | MevaDec-e GB sloping slabs | 1.20 |

MevaDec-e panel connector

Galvanized. Used to connect MevaDec-e panels to each other.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-303-00 | MevaDec-e panel connector | 0.42 |



MevaDec-e restraint mechanism panel connector

With tube coupler to enable it to be screwed on the MevaDec-e panel connector. Used to anchor the slab formwork.

| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-303-20 | MevaDec-e upliftprotec panel connector | 0.81 |



Slab Formwork

MevaDec-e prop connector lowerable panel

Steel. Allows the slab formwork to be lowered by approx. 19 cm and thus facilitates early stripping of the directly supported MevaDec-e panels. For use where MevaDec-e panels directly abut the wall.



| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-301-30 | ... MevaDec-e prop connector lowerable panel..... | 8.40 |

MevaDec-e prop connector lowerable beam

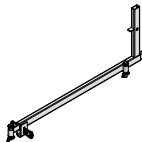
Steel. Allows the slab formwork to be lowered by approx. 19 cm and facilitates early stripping of the MevaDec-e primary beam. For use where MevaDec-e primary beams directly abut the wall.



| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-301-20 | ... MevaDec-e prop connector lowerable beam | 7.60 |

MevaDec-e support GRP pr. beam adjust.

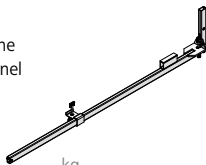
Steel, galvanized, telescopic. Used to attach the guardrailing post to the MevaDec-e primary beam.



| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-303-05 | ... MevaDec-e support GRP pr. beam adjust..... | 5.80 |

MevaDec-e support GRP panel 160

Steel, galvanized. Used to attach the guardrailing post to the MevaDec-e panel, including sliding part with integrated panel connector.



| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-303-10 | ... MevaDec-e support GRP panel 160 | 6.80 |

Slab Formwork

MevaDec-e support GRP panel adjust.

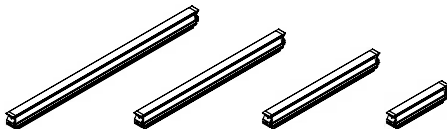
Steel, galvanized, telescopic. Used to attach the guardrailing post to the MevaDec-e panel in corner areas. Attached to the support for guardrailing post / panel 160.



| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-303-15 | ... MevaDec-e support GRP panel adjust | 3.30 |

MD primary beam

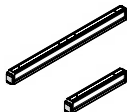
Aluminium with high-quality annealed powder coating. Primary beams and MD drop heads are the load-bearing system of MevaDec. The grooves are punched to reduce the cleaning effort.



| Ref.-No. | Description / Application | m ² | kg |
|-----------|---------------------------|----------------|-------|
| 72-300-98 | ... MD primary beam 270 | 0.27 | 24.00 |
| 72-301-00 | ... MD primary beam 210 | 0.21 | 18.00 |
| 72-301-10 | ... MD primary beam 160 | 0.16 | 14.00 |
| 72-301-20 | ... MD primary beam 80 | 0.08 | 7.40 |

MD secondary beam

Aluminium profile with plastic nailing strip on both sides. If used with the primary-and-secondary-beam method, it supports the facing; if used with the drop-head-beam-panel method, it is used for length compensation purposes.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 22-301-50 | ... MD secondary beam 160 | 9.00 |
| 22-301-60 | ... MD secondary beam 80 | 4.00 |

Slab Formwork

MD drop head

Galvanized, partially with cured powder coating. A safety latch prevents disengagement. Enables the MD primary and secondary beams as well as the panels to be lowered by 19 cm. These can then be removed and are available for use during the next cycle. The drop head still supports the concrete slab ("early stripping"). The MD drop head (plug-in version) is attached to the prop with four M12 x 35 screws and M12 locking nut (EuMax) or with four M16 x 40 screws and M16 locking nut (to the aluminium profile of the MEP props) or secured with pin 14/90e (EuMax) or pin 14/135 (to the aluminium profile of the MEP prop).



| Ref.-No. | Description / Application | m ² | kg |
|---------------|--------------------------------------|----------------|------|
| 79-301-45 ... | MD drop head (plug-in version) | 0.01 | 8.30 |

MD prop head

Galvanized, with cured powder coating. Supports the MD panels and secures them automatically to prevent them lifting out. The panels can be inserted both from below and from above. The MevaDec-e prop head (plug-in version) is attached with four M12 x 35 screws and M12 locking nut (EuMax) or with four M16 x 40 screws and M16 locking nut (to the aluminium profile of the MEP props) or secured with pin 14/90e (EuMax) or pin 14/135 (MEP props with aluminium profile).

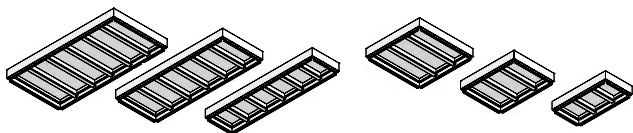


| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------------|------|
| 79-301-85 ... | MD prop head (plug-in version) | 2.70 |

Slab Formwork

MD panel

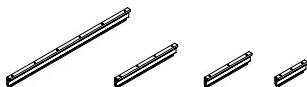
The frames of the MD panels consist of closed two-chamber aluminium profiles and are thus torsionally rigid. They are easy to clean due to a high-quality cured powder coating. The panels have a height of 14 cm and the frame profiles have a width of 22 mm. The MD panels are equipped with alkus all-plastic facings as standard.



| Ref.-No. | Description / Application | m ² | kg |
|---------------|----------------------------|----------------|-------|
| 72-300-51 ... | MD panel160/80 | 1.28 | 23.37 |
| 72-300-56 ... | MD panel160/60 | 0.96 | 18.83 |
| 72-300-61 ... | MD panel160/40 | 0.64 | 13.96 |
| 72-300-71 ... | MD panel80/80 | 0.64 | 12.30 |
| 72-300-76 ... | MD panel80/60 | 0.48 | 9.90 |
| 72-300-81 ... | MD panel80/40 | 0.32 | 7.40 |

MD compensation beam

Aluminium with cured powder coating. Equipped with a nailing strip for job-built length compensation. For facing thickness 21 mm, also available with 27 mm.



| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------|------|
| 72-302-50 ... | MD compensation beam 160 | 5.00 |
| 72-302-60 ... | MD compensation beam 80 | 3.00 |
| 72-302-80 ... | MD compensation beam 60 | 1.65 |
| 72-302-70 ... | MD compensation beam 40 | 1.00 |

Slab Formwork

MD assembly lock

Galvanized. Tightly connects and aligns MD panels with each other as well as the MD compensation beam with the MD panels. Clamping length 4.4 cm.

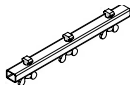
| Ref.-No. | Description / Application | kg |
|-----------|----------------------------|------|
| 29-302-25 | ... MD assembly lock | 1.40 |



MD beam stiffener

Galvanized. Used to secure overhanging primary beams to prevent them lifting out (e.g. at slab edges). It is attached to the underside of the primary beam with integrated hammerhead screws.

| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------|------|
| 29-301-90 | ... MD beam stiffener | 1.80 |



MD prop connector

Galvanized. Used to directly support the primary beam in areas where a drop head cannot be used, e.g. for intermediate supports or overhanging primary beams. It is attached to the underside of the primary beam using the integrated hammer-head screw. The prop connector is equipped with an eyelet to attach a tensioning chain to anchor the slab formwork to the ground, e.g. at slab edges.

| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------|------|
| 29-302-30 | ... MD prop connector | 2.00 |



MD safety claw

Galvanized. Used to clamp planks to the underside of the primary beam. When using MEP props, the safety claw can be used to attach a tripod to the aluminium profile.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-302-10 | ... MD safety claw | 0.50 |



Slab Formwork

MD assembly stick 340

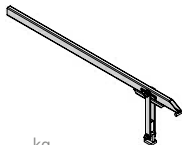
Galvanized. Simplifies assembly when using the panel method. The panels are simply swung up and temporarily supported by the MD assembly stick. Adjustable height = clear room height minus 12 cm. We recommend using two sticks for smooth assembly. The stick has an adjustment range from 1.95 to 3.40 m.



| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------|------|
| 29-302-35 | ... MD assembly stick 340..... | 4.10 |

MD stripping support

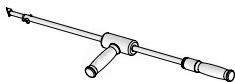
Galvanized. Used to strip primary beams if these stick to the slab due to a high level of concrete adhesion or significantly inclined props. Transport position: 112.5 cm



| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------|------|
| 29-302-40 | ... MD stripping support | 2.90 |

Cleaning scraper

Galvanized. With chisel. Is used to clean the groove of the MD primary beam.



| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-905-90 | ... MD cleaning scraper..... | 2.75 |
| 40-092-55 | ... Spare blade for cleaning scraper..... | 0.05 |

MD cover profile 10

Plastic cover. Used to close the gap between two panels when using the drop-head-beam-panel method. Length 1.50 m.



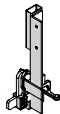
| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-302-60 | ... MD-cover profile 10, l=1,5 m | 1.10 |

Slab Formwork

MevaDec-e support for guard-railing post /panel

Galvanized. Enables a guard-railing post to be attached to the panels and is used to form a stop end at the edge of the slab.

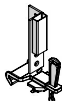
| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 79-301-60 | ... MD support for guard-railing post /panel | 2.85 |



MevaDec-e support for guard-railing post /beam

Galvanized. Enables a guard-railing post to be attached to primary and secondary beams and is used to form a stop end at the edge of the slab with primary and secondary beams. Clamping length 8 - 10 cm.

| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 79-301-70 | ... MD support for guard-railing post /beam | 2.00 |



Guard-railing post

Galvanized. Is plugged into the MD support for guard-railing post (panel or beam).

| Ref.-No. | Description / Application | kg |
|-----------|----------------------------------|------|
| 29-106-75 | ... Guard-railing post 100 | 3.70 |
| 29-106-85 | ... Guard-railing post 140 | 4.70 |



Guardrailing post 48

Galvanized. Equipped with an adapter to allow it to be plugged into the walkway bracket and with Ø48 mm tube to allow scaffold couplers to be attached.

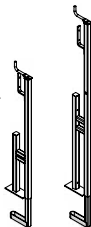
| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-106-80 | ... Guard-railing post 48/120 (UK) | 5.50 |



Slab Formwork

Railing clamp

Painted. Can be clamped to all kind of beams or at slab edges as side protection. Railing clamp 100 with height 100 cm and clamping length 45 cm. Railing clamp 140 with height 140 cm and clamping length 50 cm.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-107-20 ... | Railing clamp 100..... | 6.60 |
| 29-107-25 ... | Railing clamp 140..... | 9.40 |

Scaffold tube

Galvanized. Used as a handrail in combination with guardrailing post 48.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-412-23 ... | Scaffold tube 48/200..... | 9.40 |
| 29-412-26 ... | Scaffold tube 48/300..... | 14.10 |
| 29-412-27 ... | Scaffold tube 48/400..... | 18.80 |
| 29-412-25 ... | Scaffold tube 48/500..... | 23.50 |
| 29-412-28 ... | Scaffold tube 48/600..... | 28.20 |



Swivel-joint coupler 48/48

Galvanized. Connects two scaffold tubes with Ø48.3 mm at any angle.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|------|
| 29-412-52 ... | Swivel-joint coupler 48/48..... | 1.20 |



MD laser support

Aluminium. Mounted on the underside of the primary beam to allows a single person to level the slab formwork. Adjustment range: 122 - 230 cm.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-302-50 ... | MD-laser support | 2.00 |



Slab Formwork

Transport angle 14

Used to stack and transport MevaDec panels. Distance between holes 14 cm. The transport angle allows 5 to 12 panels to be moved at one time. We recommend using two foldable angles and two rigid angles per stack. Max. load capacity is 10 kN per transport angle. For safety reasons the maximum capacity of the entire stack is 20 kN.

| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------------|-------|
| 79-305-30 ... | Transport angle 14 | 17.00 |
| 79-305-35 ... | Transport angle 14, rigid type..... | 12.90 |



Swivel-type castor 100

Four swivel-type castors 100 allow panel stacks to be transported in the transport angle 14 as well as in the MD transport rack. The load capacity per castor is 1 kN. The overall height of the stack including castors is 2.10 m with transport angle 14 and 2.45 m with the MD transport rack.

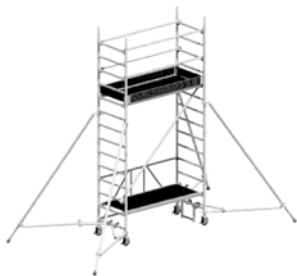
| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-305-95 ... | Swivel-type castor 100 | 1.20 |



Slab Formwork

MAB MEVA working platform

For work at low heights. Basic scaffold made of aluminium for alternating (first one side then the other) plug-in assembly; aluminium railings and diagonal braces can be easily and securely installed. Working floors made up of an aluminium frame and plywood inserts, also as an access bridge for safe internal access. Sturdy swivel-type castors (permanently mounted) for a high level of stability. Equipped with scaffold props. Working height 4.61 m, scaffold height 3.83 m, platform height 2.61 m. The permissible loading is 2.0 kN/m² on a maximum of one working level (scaffold group 3 according to DIN EN 1004:2005)

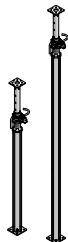


| Ref.-No. | Description / Application | kg |
|-----------|------------------------------------|--------|
| 29-919-00 | ... MAB-MEVA-Working platform..... | 145.50 |

Slab Formwork

MEP prop with SAS

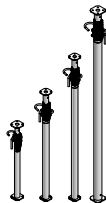
Prop in accordance with EN 1065 class E. Steel inner tube and aluminium outer tube with T groove to attach reinforcing frames. The SAS quick-lowering system enables the load on the prop to be released with one strike of a hammer. When stripping, it returns automatically to its original position. Load capacity according to EN 1065 when used as a single prop: MEP 300 with SAS: 40 kN at all extension lengths. MEP 450 with SAS: 30 kN when installed with the inner tube at the bottom and 20 kN for all other installation positions. When used together with MEVA formwork systems, higher loads are permitted (refer to the MevaDec Technical Instruction Manual).



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------------|-------|
| 29-907-65 ... | MEP prop 300 with SAS (185-300) | 26.70 |
| 29-907-70 ... | MEP prop 450 with SAS (300-450) | 34.30 |

EuMax 30

Galvanized. Prop in accordance with EN 1065, class E. Permissible load capacity at all extension lengths is 30 kN. When used together with MEVA formwork systems, higher loads are permitted (refer to the MevaDec Technical Instruction Manual).



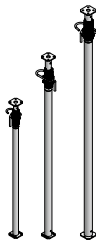
| Ref.-No. | Description / Application | kg |
|---------------|----------------------------------|-------|
| 29-907-46 ... | EuMax 30/150.....(98-150)..... | 10.40 |
| 29-907-51 ... | EuMax 30/250.....(152-250) | 18.10 |
| 29-907-61 ... | EuMax 30/350.....(202-350) | 23.00 |
| 29-907-62 ... | EuMax 30/450.....(252-450) | 32.40 |

Slab Formwork

EuMax 20

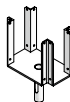
Galvanized. Prop in accordance with EN 1065, class D. Permissible load capacity at all extension lengths is 20 kN. When used together with MEVA formwork systems, higher loads are permitted (refer to the MevaDec Technical Instruction Manual).

| Ref.-No. | Description / Application | kg |
|-----------|---|-------|
| 29-907-36 | ... EuMax 20/300.....(177-300) | 16.90 |
| 29-908-17 | ... EuMax 20/300 with MD-prop head, (187-310) | 20.00 |
| 29-907-41 | ... EuMax 20/400.....(232-400) | 23.80 |
| 29-908-27 | ... EuMax 20/400 with MD-prop head, (235-410) | 27.00 |
| 29-907-45 | ... EuMax 20/550.....(302-550) | 37.00 |
| 29-908-29 | ... EuMax 20/550 with MD-prop head, (312-560) | 40.20 |



Forked prop head

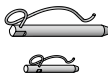
Galvanized. Used to directly support the MevaDec primary beam in areas where a drop head cannot be used. The forked prop head 20 is used in conjunction with formwork girder H20.



| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------|------|
| 29-206-40 | ... Forked prop head H20 | 3.00 |

Pin

Galvanized. Used to secure the MevaDec drop head, the forked prop heads, etc. on the corresponding props. Pin 14/90e is used for steel tube props up to Ø63 mm. Pin 14/135 is used with the aluminium profile of MEP props and MEP extensions.

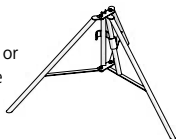


| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-909-90 | ... Pin 14/135 | 0.18 |
| 29-803-55 | ... Pin 14/90e..... | 0.15 |

Slab Formwork

Tripod

Galvanized. Used to stabilize props with Ø48 to Ø80 mm. The rotating legs allow the tripod to be used in rooms, along walls or in corners. The tripod can be attached to the aluminium profile of the MEP props with the MD safety claw.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-905-50 ... | Tripod | 8.00 |
| 29-905-52 ... | Tripod 120 | 17.70 |

Accessories for attachment

Used to attach the drop head to the MEP props.



| Ref.-No. | Description / Application | kg |
|---------------|--|------|
| 63-120-60 ... | Hexagonal screw M12 x 35, galv., DIN 933 | 0.04 |
| 63-130-10... | Hexagonal locking nut M12, galv., DIN 985..... | 0.01 |
| 63-120-49 ... | Hexagonal screw M16 x 40, galv., DIN 933 | 0.09 |
| 63-130-00 ... | Hexagonal locking nut M16, galv., DIN 985..... | 0.03 |
| 62-030-42 ... | Washer M16, galv., DIN 125 | 0.01 |



Slab Formwork

Shuttering panel 3S

Three-layer plywood forming face, 21 mm thick, with resistant coating on both sides. Good pore structure of the concrete due to absorbent surface. Alternative: alkus all-plastic facing.



| Ref.-No. | Description / Application | m ² | kg |
|---------------|--------------------------------------|----------------|-------|
| 29-324-30 ... | Shuttering panel 3S250/50 | 1.25 | 11.81 |
| 29-324-20 ... | Shuttering panel 3S200/50 | 1.00 | 9.45 |

Formwork girder H20

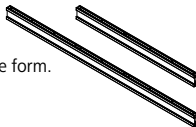
Robust multi-purpose girder for the most different tasks. While the girder itself does not weigh much, it has a high load-bearing capacity (approved by building authorities). Admissible load: Q = 11 kN, M = 5 kNm.



| Ref.-No. | Description / Application | m ² | kg |
|---------------|-------------------------------|----------------|-------|
| 29-206-02 ... | Formwork girder H20/245 | | 12.30 |
| 29-206-05 ... | Formwork girder H20/290 | | 14.50 |
| 29-206-10 ... | Formwork girder H20/330 | | 16.50 |
| 29-206-20 ... | Formwork girder H20/390 | | 19.50 |
| 29-206-30 ... | Formwork girder H20/450 | | 22.50 |
| 29-206-45 ... | Formwork girder H20/490 | | 24.50 |
| 29-206-48 ... | Formwork girder H20/590 | | 29.50 |

MEVA alu-beam 20/245

Robust aluminium girder with integrated plastic bar. Usable for different applications. High load capacity thanks to stable form. Load: Q (cross force) = 39.73 kN, adm. M = 25.96 kNm

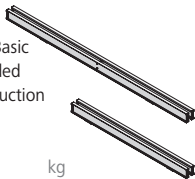


| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|-------|
| 29-216-15 ... | MEVA alu-beam 20/245 | 26.20 |
| 29-216-45 ... | MEVA alu-beam 20/390 | 42.00 |

Slab Formwork

VarioMax Double Beam

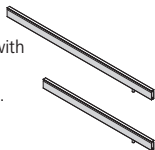
Made of aluminium, powder-coated RAL 3020 (traffic red). Basic girder used with thicker and higher slabs. The beam is provided with 2 spikes for props (refer to the VarioMax Technical Instruction Manual).



| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------|-------|
| 29-217-10 ... | VarioMax Double Beam 375..... | 28.29 |
| 29-217-20 ... | VarioMax Double Beam 240..... | 17.80 |

VarioMax Slide-in Beam

Made of aluminium, powder-coated RAL 9010 (white), provided with a spike for props. The slide-in beam is inserted into the VarioMax double beam and permits adjustment of the formwork to any size.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|-------|
| 29-217-60 ... | VarioMax Slide-in Beam 300..... | 14.91 |
| 29-217-70 ... | VarioMax Slide-in Beam 225..... | 11.24 |

VarioMax bracing rail

Made of aluminium, length 2.48 m. Used for bracing the beams. All items are safely connected to each other. Therefore no parts can be lost. Is fixed to the slide-in beam by the hammerhead bolt.



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 29-217-90 ... | VarioMax bracing rail | 2.64 |

VarioMax Clamping piece

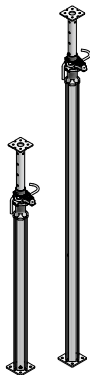
For bracing the beams with an additional batten, The clamping piece is attached to the beams by hammer-head bolts.

| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-217-95 ... | VarioMax Clamping piece..... | 0.25 |

Slab Formwork

MEP prop with SAS

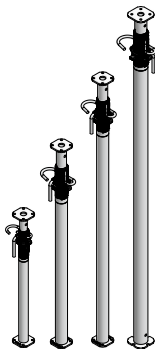
The MEP prop has a steel inner tube and an aluminium outer tube with a T-groove to attach reinforcing frames. The SAS quick-lowering system allows the stress in the prop to be released with one strike of a hammer. After stripping the prop automatically resets and locks in the original position. According to European standard EN 1065 class E, the MEP 300 props with SAS have a load capacity of 40 kN at all extensions. The MEP 450 props with SAS have a load capacity of 20 kN; if assembled with the inner tube downwards, the load capacity increases to 30 kN. When used with MEVA formwork systems, higher loads may be admitted (see the MevaDec Technical Instruction Manual).



| Ref.-No. | Description / Application | kg |
|---------------|---|-------|
| 29-907-65 ... | MEP prop 300 with SAS , (185-300) | 26.70 |
| 29-907-70 ... | MEP prop 450 with SAS, (300-450) | 34.30 |

EuMax 30

Galvanized. Complies with European standard EN 1065, class E. The admissible load is 30 kN at all extensions. When used with MEVA formwork systems, higher loads may be admitted (see the MevaDec Technical Instruction Manual).



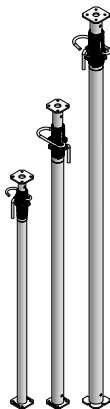
| Ref.-No. | Description / Application | kg |
|---------------|----------------------------------|-------|
| 29-907-46 ... | EuMax 30/150.....(98-150)..... | 10.40 |
| 29-907-51 ... | EuMax 30/250.....(152-250) | 18.10 |
| 29-907-61 ... | EuMax 30/350.....(202-350) | 23.00 |
| 29-907-62 ... | EuMax 30/450.....(252-450) | 32.40 |

Slab Formwork

EuMax 20

Galvanized. Complies with European standard EN 1065, class D. The admissible load is 20 kN at all extensions. When used with MEVA formwork systems, higher loads may be admitted (see the MevaDec Technical Instruction Manual).

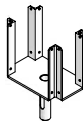
| Ref.-No. | Description / Application | kg |
|---------------|----------------------------------|-------|
| 29-907-36 ... | EuMax 20/300.....(177-300) | 16.90 |
| 29-907-41 ... | EuMax 20/400.....(232-400) | 23.80 |
| 29-907-45 ... | EuMax 20/550.....(302-550) | 37.00 |



Forked prop head

Galvanized. Supports H20 formwork girders. Is attached to EuMax props with pin 14/90e or to MEP props with pin 14/135.

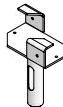
| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|------|
| 29-206-40 ... | Forked prop head H20 | 3.00 |



Beam clamp H20

Galvanized. Is used to position intermediate props below H20 girders. Is attached to Eumax props with pin 14/90e or to MEP props with pin 14/135.

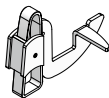
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-907-00 ... | Beam clamp H20 | 0.80 |



Slab Formwork

Connector Clip H20

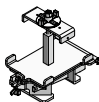
Galvanized. Is used to connect wooden H20 girders to each other. The wedge locks the girdes into place and releases them.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-930-85 ... | Connector Clip H20 | 0.70 |

Folding head with wedge

Galvanized. Replaces the folding prop head SKK (29-107-50) and the wedge head (29-107-45).



| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------|-------|
| 29-107-40 ... | Folding head with wedge | 17.20 |

Pin

Galvanized. Is used to secure forked prop heads, beam clamps etc. to props. Pin 14/90e is used for connection to steel tubes up to Ø 63 mm and pin 14/135 for connection to the aluminium outer tube of MEP props or extensions.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-803-55 ... | Pin 14/90e | 0.15 |
| 29-909-90 ... | Pin 14/135 | 0.18 |

Beam clamp H20/H20

Galvanized. Is used to attach planks or cross beams to H20 beams when using slab tables.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-411-64 ... | Beam clamp H20/H20 | 0.90 |

Slab Formwork

Beam clamp 8

Not shown. Clamps stringers to joists and is suited for wooden formwork girders H20.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-207-40 | ... Beam clamp 8 | 2.70 |

Forked assembly stick H20

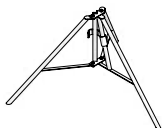
Aluminium tube and galvanized fork. Is used to assemble and strip stringers and joists of the MevaFlex slab formwork.



| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------------|------|
| 29-206-90 | ... Forked assembly stick H20 | 2.20 |

Tripod

Galvanized auxiliary to stabilize props with Ø 48 to 80 mm. The tripod's revolving legs allow it to be used in the middle of a room, along walls or in corners. Is attached to the aluminium profile of MEP props with the MD safety claw.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|-------|
| 29-905-50 | ... Tripod | 8.00 |
| 29-905-52 | ... Tripod 120 | 17.70 |

MD safety claw

Galvanized. Is used to clamp a tripod to the aluminium profile of MEP props.

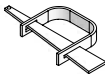


| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-302-10 | ... MD-safety claw | 0.50 |

Slab Formwork

Cross-bracing clamp

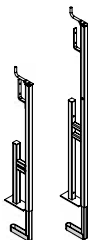
Galvanized. Is used to brace steel props with boards when the forming height exceeds 3.00 m. Usable for all prop Øs from 48 to 76 mm.



| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-907-10 | ... Cross-bracing clamp | 1.00 |
| 29-907-11 | ... Cross-bracing clamp Eumax D88.9 | 1.50 |

Railing clamp

Coated. Can be clamped to all types of beams and to free slab edges. Railing clamp 100: 100 cm high, clamping length 45 cm. Railing clamp 140: 140 cm high, clamping length 50 cm.



| Ref.-No. | Description / Application | kg |
|-----------|----------------------------|------|
| 29-107-20 | ... Railing clamp 100..... | 6.60 |
| 29-107-25 | ... Railing clamp 140..... | 9.40 |

Tension belt with hook

Not shown. For safety against wind load. 50 mm wide, reinforced loop 200 mm, cranked snap hook with safety flap, DIN EN 12195. Adm. load: 25 kN (straight), 50 kN (strapped). Is attached to climbing bracket KLK or bracket extension and with safety eye to concrete wall. This can be done at the cone from the previous pour.

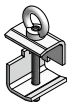
| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-930-10 | ... Tension belt with hook and loop | 3.80 |
| 29-930-15 | ... Tension belt with hook on both ends | 3.90 |

Slab Formwork

Tension belt clamp H20

Galvanized. Is attached to two wooden girders H20.

With eyes to attach the tension belt.



| Ref.-No. | Description / Application | kg |
|-----------|----------------------------------|------|
| 29-930-90 | ... Tension belt clamp H20 | 1.00 |

MAB MEVA working platform

For work at low heights. Basic scaffold made of aluminium for alternating (first one side then the other) plug-in assembly; aluminium railings and diagonal braces can be easily and securely installed. Working floors made up of an aluminium frame and plywood inserts, also as an access bridge for safe internal access. Sturdy swivel-type castors (permanently mounted) for a high level of stability. Equipped with scaffold props. Working height 4.61 m, scaffold height 3.83 m, platform height 2.61 m.

The permissible loading is 2.0 kN/m² on a maximum of one working level (scaffold group 3 according to DIN EN 1004:2005)



| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------------|--------|
| 29-919-00 | ... MAB-MEVA-Working platform | 145.50 |



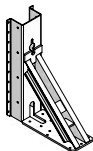
Formwork for Concrete Beams

Formwork for concrete beams

System-independent application. Either squared timber, wooden girders and plywood or panels from the wall formwork systems can be used as superstructure. For precast or integrated concrete beams up to 75 cm. Possible applications: Trestle 40/30 nailed to H20-girders, Trestle 40/30 with wedge clamp H20 or beam clamp 24 and height extension, Trestle 40/30 with tensioning device, retaining rail and height extension.

Trestle for beams 40/30

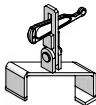
Galvanized. Is used as formwork for concrete beams or for stop ends at slab edges.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-500-10 ... | Trestle for beams 40/30..... | 5.10 |

Wedge clamp H20

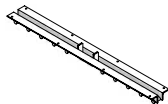
Galvanized. Is used to attach the trestle for beams 40/30 at the top chord of the cross beam H20.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-500-45 ... | Wedge clamp H20 | 1.90 |

Retaining rail

Galvanized. Secures the trestle for beams 40/30. Is attached together with the tensioning device beneath the cross beam (2 x H20).

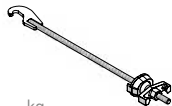


| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-500-20 ... | Retaining rail | 6.50 |

Formwork for Concrete Beams

Tensioning device

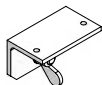
Galvanized. Optimize the distance between trestles and tightly connects the trestle for beams 40/30 and the retaining rail.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-500-35 ... | Tensioning device | 2.20 |

Beam support

Galvanized. Is attached to the height extension with the integrated hammerhead screw and supports a wooden H20 girder or squared timber.



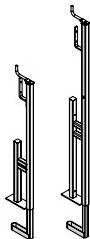
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-500-25 ... | Beam support | 0.60 |

Railing clamp

Coated. Can be clamped to all kind of beams or free slab edges.

Railing clamp 100 with height 100 cm and clamping length 45 cm.

Railing clamp 140 with height 140 cm and clamping length 50 cm.

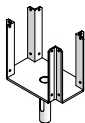


| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-107-20 ... | Railing clamp 100 | 6.60 |
| 29-107-25 ... | Railing clamp 140 | 9.40 |

Forked prop head

Galvanized. Supports wooden formwork girders. Is attached to EuMax props with pin 14/90 or to MEP props with pin 14/135.

The forked prop head 20 is used with H20 formwork girders.

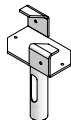


| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|------|
| 29-206-40 ... | Forked prop head H20 | 3.00 |

Formwork for Concrete Beams

Beam clamp H20

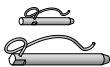
Galvanized. Is used to position intermediate props below H20 girders. Is attached to Eumax props with pin 14/90 or to MEP props with pin 14/135.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-907-00 ... | Beam clamp H20 | 0.80 |

Pin

Galvanized. Secures MDdrop heads, MD prop heads, forked prop heads etc. to props. The pin 14/90e is used if for steel tubes up to Ø 63 mm and pin 14/135 for the outer tube of MEP props or extensions.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-803-55 ... | Pin 14/90e..... | 0.15 |
| 29-909-90 ... | Pin 14/135 | 0.18 |

Beam clamp H20/H20

Galvanized. Is used to attach planks or cross beams to H20 beams when using slab tables.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-411-64 ... | Beam clamp H20/H20 | 0.90 |

Beam clamp 8

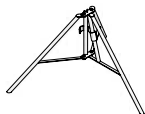
Not shown. Is used to clamp stringers to joists and suited for wooden girders H20.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-207-40 ... | Beam clamp 8 | 2.70 |

Formwork for Concrete Beams

Tripod

Galvanized. Auxiliary that is used to place and install props of \varnothing 48 - 80 mm. The revolving legs of the tripod allow using it right in the middle of a room as well as along the wall or in a corner. Is attached to the aluminium profile of MEP props with a MD safety claw.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-905-50 ... | Tripod | 12.20 |
| 29-905-52 ... | Tripod 120 | 17.70 |

MD safety claw

Galvanized. Clamps a tripod to the aluminium outer tube of a MEP prop.



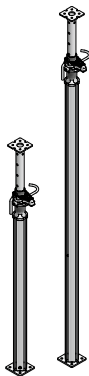
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-302-10 ... | MD-safety claw | 0.50 |

MEP prop with SAS

The MEP prop is a combination of steel inner tube and aluminium outer tube with T-groove to attach reinforcing frames. The SAS quick-lowering system allows the stress in the prop to be released with one strike of a hammer. After stripping the prop automatically resets and locks in the original position. According to the European Standard EN 1065 (class E) the props have a load capacity of:

MEP 300 with SAS: 40 kN independent from the assembly position.

MEP 450 with SAS: 20 kN independent from the assembly position; if assembled with the inner tube downwards the load capacity increases to 30 kN. Depending on their application the load capacity varies (refer to Technical Instruction Manual for MevaDec).

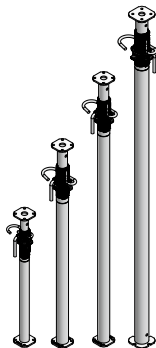


| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------------|-------|
| 29-907-65 ... | MEP-prop 300 with SAS (185-300) | 26.70 |
| 29-907-70 ... | MEP-prop 450 with SAS (300-450) | 34.30 |

Formwork for Concrete Beams

EuMax 30

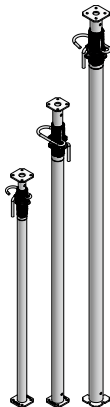
Galvanized. Complies with European standard EN 1065, class E. The admissible load is 30 kN at all extensions. When used with MEVA formwork systems, higher loads may be admitted (see the MevaDec Technical Instruction Manual).



| Ref.-No. | Description / Application | kg |
|---------------|----------------------------------|-------|
| 29-907-46 ... | EuMax 30/150.....(98-150)..... | 10.40 |
| 29-907-51 ... | EuMax 30/250.....(152-250) | 18.10 |
| 29-907-61 ... | EuMax 30/350.....(202-350) | 23.00 |
| 29-907-62 ... | EuMax 30/450.....(252-450) | 32.40 |

EuMax 20

Galvanized. Complies with European standard EN 1065, class D. The adm. load capacity is 20 kN at all extensions. When used with MEVA formwork system, higher load capacities are admitted (see Technical Instruction Manual for MevaDec).

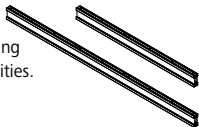


| Ref.-No. | Description / Application | kg |
|---------------|----------------------------------|-------|
| 29-907-36 ... | EuMax 20/300.....(177-300) | 16.90 |
| 29-907-41 ... | EuMax 20/400.....(232-400) | 23.80 |
| 29-907-45 ... | EuMax 20/550.....(302-550) | 37.00 |

Formwork for Concrete Beams

Formwork girder H20

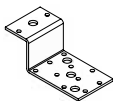
Robust all-purpose girder for different tasks. High load-bearing capacity with only low weight. Approved by building authorities. Admissible load: $Q = 11 \text{ kN}$, $M = 5 \text{ kNm}$.



| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------|-------|
| 29-206-02 ... | Formwork girder H20/245 | 12.30 |
| 29-206-05 ... | Formwork girder H20/290 | 14.50 |
| 29-206-10 ... | Formwork girder H20/330 | 16.50 |
| 29-206-20 ... | Formwork girder H20/390 | 19.50 |
| 29-206-30 ... | Formwork girder H20/450 | 22.50 |
| 29-206-45 ... | Formwork girder H20/490 | 24.50 |
| 29-206-48 ... | Formwork girder H20/590 | 29.50 |

Z-connector 40

Galvanized. Connects H20 stringers to H20 joists (flange height 40 mm). We recommend using double-headed nails for attachment.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-207-30 ... | Z-connector 40 | 0.19 |

Connector Clip H20

Galvanized. Is used to connect wooden H20 girders to each other. The wedge locks the girdes into place and releases them.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-930-85 ... | Connector Clip H20 | 0.70 |

 **meva**

Shoring System

MT 60

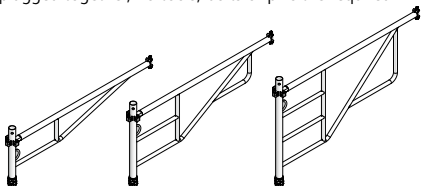


Shoring System

MT 60

Basic frame MT

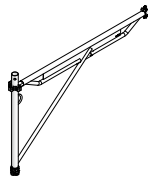
Galvanized. Is used to assemble and brace the MT 60 tower. The frames are simply plugged together, no tools, bolts or pins are required.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-120-10.... | Basic frame 100 MT | 15.60 |
| 29-120-15.... | Basic frame 75 MT | 13.00 |
| 29-120-20 ... | Basic frame 50 MT | 10.20 |

Access frame 100 MT

Galvanized. Is used to assemble and brace the MT 60 tower. The access frame is required in the tower's bottom level to allow for an access to the tower. The frames are simply plugged together, no tools, bolts or pins are required. Frame height: 100 cm.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-121-10.... | Access frame 100 MT | 15.00 |

Base spindle MT

Galvanized. The basic frames are screwed in the base spindles. Max. adjustment range: 38.5 cm. With lock mechanism against tilting during crane lift.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-129-50 ... | Base spindle MT | 10.40 |



Shoring System

MT 60

Head spindle MT

Galvanized. Is plugged into the base frame MT.
Adjustment range: 60 cm. A forked prop head or an adaptor for the MD drop head can be attached.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-129-55 ... | Head spindle MT | 9.70 |

High-tensile head spindle MT

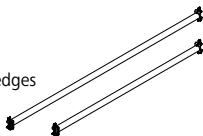
Galvanized; is inserted and secured in the MT frame.
Adjustment range 57.5 cm. Forked prop head MEP or MD drop head is screwed on to it.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------------|-------|
| 29-129-58 ... | High-tensile head spindle MT | 11.40 |

Ledger MT

Galvanized. Connects the MT 60 towers. The integrated wedges are used to connect both ends to base frames MT.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-122-15.... | Ledger 220 MT..... | 7.20 |
| 29-122-10.... | Ledger 170 MT..... | 5.70 |

Ledger 38 MT

Galvanized. Is attached to the connector of the basic frame and only required when using standard posts MF for high load transfer.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-122-20 ... | Ledger 38 MT..... | 1.50 |

Shoring System

Horizontal brace MT

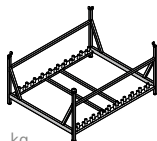
Galvanized. Is used to assemble level 0.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-127-10.... | Horizontal brace MT..... | 8.00 |

Transport rack MT R

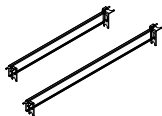
Galvanized. Is used for vertical storage and transport of 40 frames MT with identical height (100 cm or 75 cm or 50 cm).



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|--------|
| 29-132-50 ... | Transport rack MT R100-40 | 142.70 |
| 29-132-55 ... | Transport rack MT R75-40 | 138.10 |
| 29-132-60 ... | Transport rack MT R50-40 | 124.00 |

Toe board MT

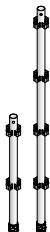
Galvanized. Is attached to the frames MT with integrated spring. Cannot be lost.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-126-15.... | Toe board 170 MT..... | 9.30 |
| 29-126-10.... | Toe board 220 MT..... | 11.70 |

Guardrail post MT

Galvanized. Is used together with ledger MT for fall-down protection on the top platform.



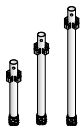
| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|-------|
| 29-124-10.... | Guard-rail post 200 MT | 10.00 |
| 29-124-15.... | Guard-rail post 100 MT | 5.20 |

Shoring System

MT 60

Standard post MT

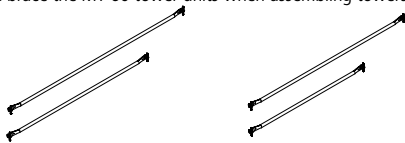
Galvanized. Is plugged into ledger MT 38 and only required to transfer high loads. The height of the standard post MT must match the height of the basic frame MT.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-123-10.... | Standard post 100 MT..... | 4.60 |
| 29-123-15.... | Standard post 75 MT..... | 3.70 |
| 29-123-20 ... | Standard post 50 MT..... | 2.80 |

Diagonal brace MT

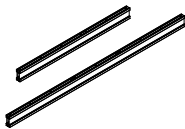
Galvanized. With integrated wedges on both ends. Is required to connect and brace the MT 60 tower units when assembling towers side by side.



| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------|------|
| 29-125-10.... | Diagonal brace 220/200 MT..... | 7.70 |
| 29-125-15.... | Diagonal brace 220/100 MT..... | 6.30 |
| 29-125-20 ... | Diagonal brace 170/200 MT..... | 6.90 |
| 29-125-25 ... | Diagonal brace 170/100 MT..... | 5.30 |

MEVA alu-beam 20/245

Robust aluminium girder with integrated plastic bar. Usable for different applications. High load capacity thanks to stable form. Load: Q (cross force) = 39.73 kN, adm. M = 25.96 kN.



| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|-------|
| 29-216-15 ... | MEVA alu-beam 20/245 | 26.20 |
| 29-216-45 ... | MEVA alu-beam 20/390 | 42.00 |

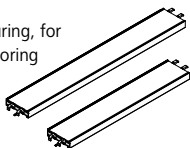
Shoring System

MT 60

Scaffold platform

Aluminium frame with integrated wooden planking, self-securing, for vertical or horizontal assembly. Usable for MT 60 and MEP shoring systems to assemble working platforms.

The maximum load is 200 kg/m².

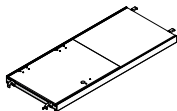


| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------------|-------|
| 29-131-15.... | Scaffold platform 220/30 MT | 10.20 |
| 29-131-40 ... | Scaffold platform 170/30 MT | 8.20 |

Scaffold platform 170/68 w/ access hatch

Aluminium frame with integrated wooden planking and access hatch, self-securing, for vertical or horizontal assembly. Usable for MT 60 and MEP shoring systems to assemble working platforms.

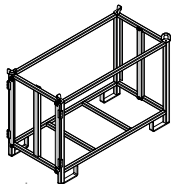
The maximum load is 200 kg/m².



| Ref.-No. | Description / Application | kg |
|---------------|---|-------|
| 29-131-30 ... | Scaffold platform 170/68 w/ access hatch MT | 14.40 |

Transport rack .../30 MT

Galvanized. For horizontal storage and transport of 20 scaffold platforms 220/30 MT or 170/30 MT.



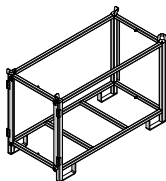
| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------|-------|
| 29-132-15.... | Transport rack 220/30 MT | 87.30 |
| 29-132-30 ... | Transport rack 170/30 MT | 80.50 |

Shoring System

MT 60

Transport rack 170/68 MT

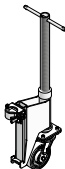
Galvanized. For horizontal storage and transport of 10 scaffolding platforms.



| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------|-------|
| 29-132-20 ... | Transport rack 170/68 MT | 73.90 |

Transport wheel MT

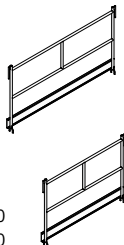
Galvanized. Is used to wheel the entire, i.e. fully assembled MT 60 tower to another position. Always use 4 transport wheels MT for transport.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-129-60 ... | Transport wheel MT | 20.00 |

Platform railing MT

Galvanized. Is required and used for lateral protection when installing walking or working platforms between two towers. Is suspended with both ends to frames MT.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|-------|
| 29-128-10.... | Platform railing 220 MT..... | 19.40 |
| 29-128-15.... | Platform railing 170 MT..... | 15.70 |

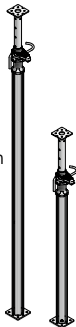
Shoring System



Shoring System

MEP prop with SAS

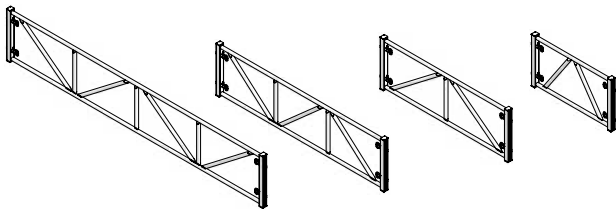
Prop according to standard EN 1065 class E. Steel inner tube and aluminium outer tube with T-groove to attach reinforcing MEP frames. The SAS quick-lowering system allows the stress in the prop to be released with one strike of a hammer. After stripping the SAS automatically resets and locks in the original position. Load capacity according to EN 1065 when used as a single shore: MEP 300 with SAS – 40 kN with any adjustment range. MEP 450 with SAS: 20 kN when used as a single prop or 30 kN when assembled with the inner tube downwards. When used together with MEVA systems, higher loads are permitted (see the MevaDec Technical Instruction Manual).



| Ref.-No. | Description / Application | kg |
|---------------|--|-------|
| 29-907-70 ... | MEP-prop 450 with SAS(300-450) | 34.30 |
| 29-907-65 ... | MEP-prop 300 with SAS(185-300) | 26.70 |

MEP frames

Aluminium. Reinforcing frame that is required when building towers with MEP props. The frames are attached to the aluminium outer tube of the MEP props or extension pieces using the integrated quick connector.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-909-30 ... | MEP-frame 330 | 15.50 |
| 29-909-25 ... | MEP-frame 220 | 11.74 |
| 29-909-20 ... | MEP-frame 170 | 9.76 |
| 29-909-15 ... | MEP-frame 110 | 7.62 |
| 29-909-10 ... | MEP-frame 55 | 5.93 |

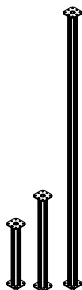
Shoring System

MEP

Extension pieces MEP

Aluminium profile (same as outer tube of MEP prop) with 2 foot plates. Is used to extend shoring towers. A plug connector MEP and 2 pins 14/135 are required.

| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------|-------|
| 29-907-95 ... | Extension piece 360 MEP | 20.23 |
| 29-907-90 ... | Extension piece 120 MEP | 7.46 |
| 29-907-85 ... | Extension piece 80 MEP | 5.33 |



Plug connector MEP

Galvanized. Is used to connect MEP props and extensions. Together with 2 pins 14/135 the plug connectors provide a rigid connection.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-909-85 ... | Plug connector MEP | 1.80 |



Spindle MEP

Galvanized steel spindle. Coarse adjustment with the G-hook, precise adjustment with the robust adjusting nut on the outside thread. The spindle can be bolted to the outer tubes of all MEP props and extension pieces by using four M16x40 screws and 4 nuts (screws must be ordered separately). The adjustment range is as follows: 28 - 80 cm, 68 - 120 cm with MD drop head, 36 - 81 cm with forked drop head plus the height of the selected stringer, 37.5 - 82.5 cm with calotte support MEP.

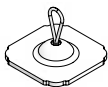
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-909-70 ... | Spindle MEP | 8.00 |



Shoring System

Calotte support MEP

Galvanized. Is used as foot plate for MEP props and extension pieces on sloped surface for perpendicular load transfer. Max. inclination on all sides is 5° or 9 %.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-909-75 ... | Calotte support MEP | 1.25 |

Folding part MEP

Galvanized. Allows props beneath slab tables to be folded so that with a transport spreader the slab tables including props can be moved out of the building and for example over parapets without detaching and re-attaching the props.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-910-10 ... | Folding part MEP | 5.80 |

Beam clamp MEP

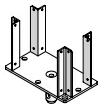
Is used to attach the MD beam to the prop or prop extension.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 79-909-80 ... | Beam clamp MEP | 0.50 |

Forked prop head MEP

Galvanized. With DW thread to clamp stringers to the prop head. Is safely attached to the inner tube of MEP props with pins 14/90e or to the aluminium outer tube with pins 14/135.



| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|------|
| 29-910-00 ... | Forked prop head MEP | 4.70 |

Shoring System

Diagonal cross-brace MEP

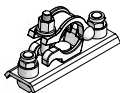
Galvanized. Adjustable cross-brace made of steel tubes. Is used for bracing when prop spacing varies. The two figures 170/90 and 300/180 indicate the maximum and minimum prop spacing.



| Ref.-No. | Description / Application | kg |
|-----------|--|-------|
| 29-909-60 | ... Diagonal cross-brace 170/90 MEP | 9.30 |
| 29-909-55 | ... Diagonal cross-brace 300/180 MEP | 15.30 |

Tube coupler DK 48 MEP

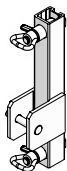
Galvanized. Is used to attach scaffold tubes Ø 48 mm to the aluminium outer tubes of MEP props or extension pieces. Can be turned by 360°. Ø 48 mm. with lock screw M14 and nut (SW 22 mm). 2 hammer-head screws (DIN 188. M16x50. galv.) with nut (DIN 934. M16 SW 24 mm).



| Ref.-No. | Description / Application | kg |
|-----------|----------------------------------|------|
| 29-909-65 | ... Tube coupler DK 48 MEP | 1.70 |

MEP connector for push-pull props

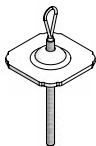
Galvanized. Is used to attach push-pull props to the aluminium outer tube of the MEP props or extension pieces incl. Head bolt 16/80 and Cotter pin 4.



| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-910-60 | ... MEP-connector for push-pull props | 2.60 |

Prop connector

Galvanized. DW thread Ø 15 mm. Is used to attach props for horizontal bracing, e.g. in case of single-sided formwork. Length of thread approx. 20 cm.

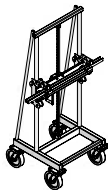


| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-910-62 | ... Prop connector | 1.70 |

Shoring System

Lift truck MEP

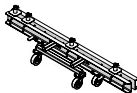
Galvanized. Is used to lift and move shoring towers and slab tables. Height 2.12 m; load capacity 500 kg. Adjustment range from 62 - 196 cm. The lift truck is positioned below the MEP frames. Always 2 lift trucks are required.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|--------|
| 29-909-50 | ... Lift truck MEP | 130.00 |

Transport waler MEP

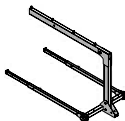
Galvanized. Is used to move large shoring tower units. Length 2.4 m; load capacity 30 kN (3 tons); 4 wheels. The pre-assembled plug connectors can be adjusted to MEP frames 55, 110, 170 and 220. The number of required walers is determined by the size of the shoring tower unit to be moved.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|--------|
| 29-910-80 | ... Transport waler MEP | 150.00 |

Transport spreader 250/540

Galvanized, foldable. Max. load capacity 10 kN (1 ton). Is used to move slab tables with a crane. Length can be adjusted from 325 m to 500 cm and width from 50 m to 200 cm. When using the transport spreader, observe its Operating Instructions.



| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------|--------|
| 29-910-90 | ... Transport spreader 250/540 | 733.00 |

Flange nut 100

Forged, galvanized. DIN 18216. DW thread \varnothing 15 mm, plate \varnothing 100 mm, SW 27. Admissible load capacity 90 kN.



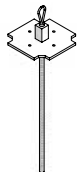
| Ref.-No. | Description / Application | kg |
|-----------|------------------------------------|------|
| 29-900-20 | ... Flange nut 100 (SW 27, forged) | 0.70 |

Shoring System

MEP

Crane hanger MEP

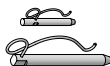
Galvanized. DW thread \varnothing 15 mm. Is used to move slab tables. Load capacity 10 kN (1 ton). Always 4 crane hangers are required for transport. A flange nut 100 must be ordered separately. Length of thread 52 cm.



| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-910-05 | ... Crane hanger MEP (load capacity: 10 kN) | 3.50 |

Pin

Galvanized. Is used to safely lock the plug connectors MEP at the profile of the MEP props and extension pieces, forked prop heads, MD drop heads etc. Pin 14/90e is used for the steel inner tube (with max. 63 mm \varnothing), pin 14/135 for the aluminium profile of the MEP props and extension pieces.

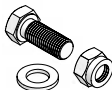


| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-909-90 | ... Pin 14/135 | 0.18 |
| 29-803-55 | ... Pin 14/90e..... | 0.15 |

Accessories for attachment M16

Is used to attach MD drop heads or MEP spindles to the MEP props or extension pieces.

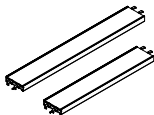
| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 63-120-49 | ... Hexagonal screw M16 x 40, galv., DIN 933 | 0.09 |
| 63-130-00 | ... Hexagonal locking nut M16, galv., DIN 985..... | 0.03 |
| 62-030-42 | ... Washer M16, galv., DIN 125 | 0.01 |



Shoring System

Scaffold platform

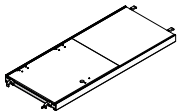
Aluminium frame with integrated wooden planking, self-securing, for vertical or horizontal assembly. Usable for MT 60 and MEP shoring systems to assemble working platforms. The maximum load is 200 kg/m².



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------------|-------|
| 29-131-15.... | Scaffold platform 220/30 MT | 10.20 |
| 29-131-40 ... | Scaffold platform 170/30 MT | 8.20 |

Scaffold platform 170/68 w/ access hatch

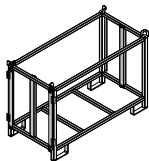
Aluminium frame with integrated wooden planking and access hatch, self-securing, for vertical or horizontal assembly. Usable for MT 60 and MEP shoring systems to assemble working platforms. The maximum load is 200 kg/m².



| Ref.-No. | Description / Application | kg |
|---------------|---|-------|
| 29-131-30 ... | Scaffold platform 170/68 w/ access hatch MT | 14.40 |

Transport rack .../30 MT

Galvanized. For horizontal storage and transport of 20 scaffold platforms 220/30 MT or 170/30 MT.

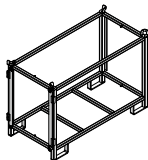


| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------|-------|
| 29-132-15.... | Transport rack 220/30 MT | 87.30 |
| 29-132-30 ... | Transport rack 170/30 MT | 80.50 |

Shoring System

Transport rack 170/68 MT

Galvanized. For horizontal storage and transport of 10 scaffolding platforms.



| Ref.-No. | Description / Application | kg |
|-----------|------------------------------------|-------|
| 29-132-20 | ... Transport rack 170/68 MT | 73.90 |

Telescopic ladder SB

Galvanized. For all platforms with hatch.



| Ref.-No. | Description / Application | kg |
|-----------|--|-------|
| 29-603-45 | ... Telescopic ladder 1700-3180 SB | 22.40 |
| 29-603-40 | ... Telescopic ladder 2600-4100 SB | 27.20 |

Working Scaffold



Working Scaffold

Folding working platform KAB 190

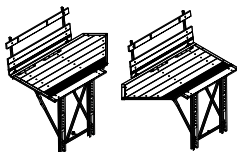
190 cm wide working and safety scaffold with fold-up guard-railing and galvanized brackets for a fast assembly. The planks are 48 mm thick and protected at the ends. A platform with access hatch is available. 2 adaptors and 2 spacers are required per platform unit. Load capacity up to 3 kN/m² (300 kg/m²) depending on the type of suspension. When formwork (max. height 425 cm) is put up, the platform must be suspended with climbing cones and suspension shoes. Please observe the Technical Instruction Manual.



| Ref.-No. | Description / Application | kg |
|-----------|---|--------|
| 29-418-00 | ...Folding working platform KAB 190/350 | 558.00 |
| 29-418-10 | ...Folding working platform KAB 190/225 | 442.00 |
| 79-418-20 | ...Folding working platform KAB 190/350 | |
| |with access hatch | 581.00 |

Corner platform KAB 190

Galvanized. For safe work and walking in corner configurations (90° or 135°). Each corner platform is connected to the next KAB platform with an alignment rail.

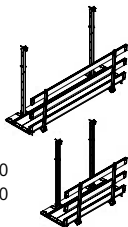


| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------------|--------|
| 29-418-35 | ... Corner platform KAB 190 left | 508.00 |
| 29-418-40 | ... Corner platform KAB 190 right | 508.00 |

Working Scaffold

Secondary platform KAB

Galvanized, foldable. With planking (platform width 85 cm) and guard-railing. Allows for safe concrete cosmetics when formwork is located on the KAB platform.



| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------------|--------|
| 79-418-50 | ... Secondary platform 85/350 KAB | 267.00 |
| 79-418-55 | ... Secondary platform 85/225 KAB | 210.50 |

Loop adapter KAB

Galvanized. Is used to suspend a platform into suspension loops 10. Two loop adapters are required per platform. They are attached to the KAB brackets with integrated pins 20/12.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|-------|
| 79-419-20 | ... Loop adapter KAB | 12.00 |

Shoe adapter KAB

Galvanized. Suspends a platform with suspension shoes KAB and climbing cones, e.g. when formwork is placed on the platform. 2 shoe adapters are required per platform and attached to KAB brackets with integrated pins 20/12.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|-------|
| 79-419-25 | ... Shoe adapter KAB | 13.00 |

Spacer KAB

Galvanized. Holds the necessary distance between platform and wall at the bottom of the brackets. H20-girders can be attached to bridge wall openings. Each platform requires 2 spacers, They are attached to the KAB brackets with integrated pins 20/12.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 79-419-30 | ... Spacer KAB | 7.60 |

Working Scaffold

Bracket extension 200 KAB

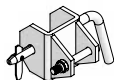
Galvanized. Extends the bracket downwards by 2.00 m to bridge large wall openings up to a floor height of 3.65 m. In skeleton construction, connection is possible with the slab below. A flange screw is also required.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|-------|
| 79-419-05 ... | Bracket extension 200 KAB | 28.20 |

Brace connector KAB

Galvanized. Attaches a push-pull prop R 460 as compression strut when applied with bracket extension 200 KAB or secondary platform KAB. Is attached to the bracket extension KAB with an integrated pin 20/12. A bolt M16x120 with nut is required For the upper connection of the push-pull prop.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 79-419-60 ... | Brace connector KAB..... | 4.50 |

63-120-40 ... Hexagonal screw M16 x 120, galv., DIN 931 0.21

63-130-00 ... Hexagonal locking nut M16, galv., DIN 985..... 0.03

Push-pull prop R

Galvanized; guarantees tensile and compression strength and serves as compression strut when applied with the bracket extension 200 KAB or the secondary platform KAB; is attached to the brace connector KAB with an integrated bolt (M16x100 and locking nut). For the upper connection of the brace a bolt M16x120 with nut is required.



| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------------|-------|
| 29-109-80 ... | Push-pull prop R 460 (340-520) | 34.00 |

Working Scaffold

Height adjustment 100 KAB

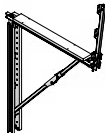
Galvanized. Permits lowering of KAB platforms by up to 1.00 m when used as a safety-catch scaffold beneath the eaves. 2 height adjustments are required per platform and attached to the KAB brackets with an integrated pin 20/12 before flying the platforms. The required loop or shoe adapters are attached to the height adjustment.



| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------------|-------|
| 79-419-15 | ... Height adjustment 100 KAB | 13.00 |

Folding bracket KAB 190

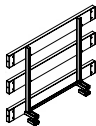
Galvanized. With nailable strip to mount job-built planking. Single bracket for special applications and length adjustments.



| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------------|--------|
| 79-419-10 | ... Folding bracket KAB 190 | 111.50 |

Side railing KAB

Galvanized. Is attached to the platform with 2 flange screws 18. Side railing 85 KAB is suited for secondary platforms.



| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------|-------|
| 79-419-40 | ... Side railing 190 KAB | 40.00 |
| 79-419-45 | ... Side railing 85 KAB | 22.00 |

Guardrailing post 100 KAB

Galvanized. Is used for KAB corner platforms and as a single post for side railings. A flange screw 18 is also required.



| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------------|------|
| 79-419-75 | ... Guard-railing post 100 KAB | 9.60 |

Working Scaffold

Extension for guard-railing KAB

Galvanized. Extends the guard-railing of the KAB platform when used as safety-catch scaffold.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------------|-------|
| 79-419-85 ... | Extension for guard-railing KAB | 10.00 |

Pin 20/12

Galvanized, Ø 20 mm. Self-locking through tilting end. Is used to secure various accessories (pin is integrated) of the working platform KAB.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-419-65 ... | Pin 20/120 | 1.05 |

M alignment rail 180

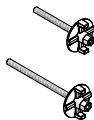
Galvanized. Connects a corner platform to the adjacent platform with 2 flange screws.



| Ref.-No. | Description / Application | kg |
|---------------|----------------------------------|-------|
| 29-400-92 ... | M-alignment rail 180, galv. | 24.80 |

Flange screw

Galvanized. DW thread Ø 15 mm. Is used to attach accessories, e.g. alignment rails, brace frames, push-pull props, etc. Length of thread 18 cm or 27 cm.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-401-10 ... | Flange screw 18 | 1.02 |
| 29-401-12 ... | Flange screw 28 | 1.28 |

Working Scaffold

KAB

Brace frame 250

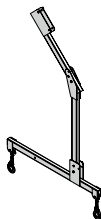
Galvanized. Available with formwork-prop connector. Is used to align and brace the formwork on the KAB 190. Consists of a push-pull prop R 250 (190 - 320 cm), a brace SRL 120 (90 - 150 cm) and a double-jointed footplate. The formwork-prop connectors are attached to the formwork with flange screws 18.



| Ref.-No. | Description / Application | kg |
|---------------|--|-------|
| 29-109-20 ... | Brace frame 250 with formwork-prop connector.... | 31.50 |

Transport spreader KAB

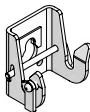
Galvanized, foldable. Max. load capacity 10 kN (1 ton). Is used to move KAB working platforms beneath the eaves. Always 2 spreaders are required for transport. Please observe the transport spreader Operating Instructions.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|-------|
| 29-419-90 ... | Transport spreader KAB | 79.00 |

Suspension shoe KAB

Galvanized. With safety pin and uplift protection. Is connected to the climbing cone with suspension screw M24 and used to suspend the climbing bracket.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 79-419-55 ... | Suspension shoe KAB | 5.10 |

Working Scaffold

Climbing cone 15/M24

Silver chromated. Provides a suspension point for the climbing scaffold. Serves as positioning and climbing cone. Load capacity depends on ties and concrete quality. Suited for anchor plates 15/120 and 15/170.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-412-70 ... | Climbing cone 15/M24..... | 1.02 |

Conical sleeve

Suited for climbing cone 15/M24. Is slipped over climbing cone before pouring. Eases removal of the climbing cone from set concrete.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-412-95 ... | Conical sleeve..... | 0.01 |

Suspension screw M24

Black, SW36, with yellow chromated thrust ring. Is used to fix the suspension shoe to the climbing cone.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-412-80 ... | Suspension screw M24..... | 0.75 |

Positioning disc M24

Galvanized. Is used to attach the climbing cone to the facing (4 drill holes Ø 5 mm). The anchor plate has to be secured separately, e.g. by wiring it to the rebars.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-412-85 ... | Positioning disc M24..... | 0.33 |

Working Scaffold

Hexagonal screw M24 x 80, 10.9, black, DIN 931

Black. SW 36. Attaches climbing cones to the facing and is used instead of positioning disc M24 when the facing can be drilled. A washer M24 is also required.



| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 63-119-53 | Hexagonal screw M24 x 80, 10.9 black DIN 931 | 0.36 |

Washer M24, DIN 7349-25

Galvanized. Is required when using the hexagonal screw M24 x 80 (M24 x 50) to attach climbing cones (safety eyes).
Thickness of washer: 10 mm.



| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------|------|
| 62-030-50 | Washer M24, galv., DIN 7349-25 | 0.10 |

Safety eye

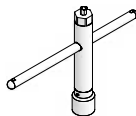
Is used to attach the tensioning chain for bracing against for wind load. Is attached to the cone from the previous pour with a screw M24 x 50 or with a tie rod and flange nuts to an existing tie hole in the concrete wall.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-412-40 | Safety eye | 1.30 |

Combination spanner

Is used to remove the climbing cones (SW 36) and positioning discs (SW 12) as well as to operate suspension screws M24 (SW 36)

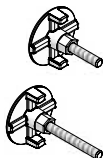


| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-411-85 | Combination spanner | 4.10 |

Working Scaffold

Anchor plate

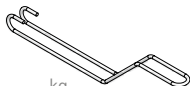
Uncoated. Is used to anchor climbing cones in the concrete. The admissible load capacity depends on the installation depth of the anchor plate and the concrete strength at the time of loading.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-412-30 ... | Anchor plate 15/120 | 0.80 |
| 29-412-35 ... | Anchor plate 15/170 | 0.90 |

Suspension loop 10

Uncoated. Is used to suspend a platform.
Loop Ø is 10 mm.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-419-70 ... | Suspension loop 10 | 1.10 |

Concrete cone 56 x 40

Closes the holes in the concrete when climbing cones have been removed ; used with concrete glue (A + B).
Quantity is sufficient for 150 plugs.



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 29-412-67 ... | Concrete cone 56 x 40 | 0.25 |
| 53-210-70 ... | Concrete glue (A + B) | 1.00 |



Shoring Tower

SP prop 300

Coated. A tower unit (4.80 x 4.80 m) consists of 4 props (height 3.00 m) and 4 frames. Height extensions always require 4 bolts M18x70, washers M18 and locking nuts M18.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|--------|
| 29-911-45 ... | SP prop 300 | 102.00 |

SP frame

Coated. Height 2.46 m, length 4.64 m. SP frames serve to brace SP props. 4 frames are required per tower unit. They are attached to the props with bolts M14x40, washers M14 and locking nuts M14, which have to be ordered separately.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|--------|
| 29-911-40 ... | SP frame | 283.00 |

SP diagonal brace

Coated. 4 diagonal braces are required for the horizontal bracing of a tower unit. Is attached to SP frames by using bolts M14x40, washers M14 and locking nuts M14; these have to be ordered separately.



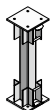
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-911-50 ... | SP diagonal brace..... | 64.00 |

Shoring Tower

Space

SP extension

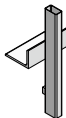
Coated. Extends the tower units. Is attached to a SP prop with always 4 bolts M18x70, washers M18 and locking nuts M18, which have to be ordered separately.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|-------|
| 29-911-55 | ... SP extension 100..... | 57.00 |
| 29-911-60 | ... SP extension 50..... | 50.00 |

SP guardrailing post adapter

Galvanized. Is used to attach a guardrailing post and attached to SP frames by using bolts M12x35, washers M12 and locking nuts M12. Guardrailing posts 100 or 140 are also required.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------------|------|
| 29-911-70 | ... SP guardrailing post adapter..... | 2.00 |

Guardrailing post

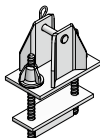
Galvanized. Is attached to the SP guardrailing post adapter.



| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------|------|
| 29-106-75 | ... Guardrailing post 100..... | 3.70 |
| 29-106-85 | ... Guardrailing post 140..... | 4.70 |

SP connector for push-pull props

Galvanized. Is used to connect push-pull props or Triplex braces. Brace the formwork against the shoring tower or the shoring tower itself.



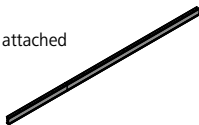
| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-911-75 | ... SP connector for push-pull props..... | 5.80 |

Shoring Tower

Space

MD beams 520

Are placed onto the SP diagonal brames and SP frames and attached on both sides with an MD safety claw.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-911-65 ... | MD beam 520..... | 24.00 |

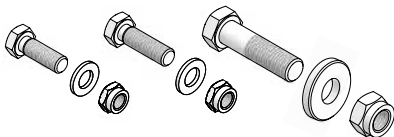
MD safety claw

Galvanized. Clamps planks to the bottom of MD primary beams. When using MEP props, the safety claw can be used to attach a tripod to the aluminium profile.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-302-10 ... | MD safety claw | 0.50 |

Accessories for attachment



| Ref.-No. | Description / Application | kg |
|---------------|---|------|
| 63-120-60 ... | Hexagonal screw M12 x 35, galv., DIN 933 | 0.04 |
| 63-130-10.... | Hexagonal locking nut M12, galv., DIN 985..... | 0.01 |
| 62-030-41 ... | Washer M12, galv., DIN 125 | 0.01 |
| 63-120-60 ... | Hexagonal screw M14 x 40, galv., DIN 933 | 0.07 |
| 63-120-57 ... | Hexagonal locking nut M14, galv., DIN 985..... | 0.01 |
| 63-130-10.... | Washer M14, galv., DIN 125 | 0.01 |
| 62-030-41 ... | Hexagonal screw M18 x 70, galv., DIN 931 | 0.18 |
| 63-120-46 ... | Hexagonal locking nut M 18, galv., DIN 934..... | 0.04 |
| 63-125-50 ... | Washer M18, galv., DIN 125 | 0.01 |



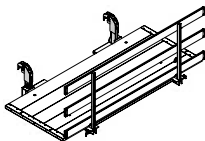
Working Platform

Access and working scaffolds

Access and working scaffolds guarantee safe working. They can either consist of pre-assembled units or be assembled on-site. One distinguishes between scaffolds which are mounted to the formwork, mobile scaffolds and those attached to the building. They serve to assemble formwork, install reinforcement or pour concrete. It may become necessary to assemble scaffolds on the formwork on different elevations. Always observe the federal, state and local regulations of your country when using access and working scaffolds.

Folding access platform BKB 125

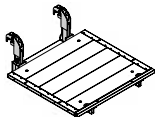
Self-locking; ready-made platform with a foldable guard-railing and an overall width of 125 cm; it is suspended onto the frame profile of the panels. The 48 mm thick planking is protected at the front ends. Stacking height 17cm; load capacity 2 kN/m². This platform is used with the formwork systems AluStar/StarTec and Mammut/Mammut 350/Mammut XT.



| Ref.-No. | Description / Application | kg |
|-----------|--|--------|
| 29-417-10 | ... Folding access platform BKB 125/235..... | 196.00 |
| 29-417-20 | ... Folding access platform BKB 125/300..... | 216.00 |

Folding access platform BKB 125/140

It is used for inside corner configurations and length adjustments. In the latter case a side railing BKB 125 and 2 flange screws 18 are required as guard-railing.

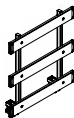


| Ref.-No. | Description / Application | kg |
|-----------|--|--------|
| 29-417-00 | ... Folding access platform BKB 125/140..... | 114.00 |

Working Platform

Side railing BKB 125

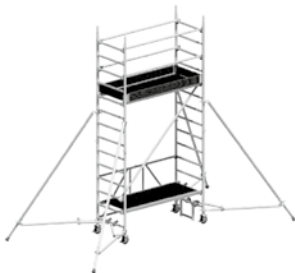
Galvanized. Suited as side railing for all folding access platforms or as guard-railing for platform BKB 125/140. Is attached to the BKB with 2 flange screws 18 (to be ordered separately).



| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------|-------|
| 29-417-30 | ... Side railing BKB 125 | 16.30 |

MAB MEVA working platform

For work at low heights. Basic scaffold made of aluminium for alternating (first one side then the other) plug-in assembly; aluminium railings and diagonal braces can be easily and securely installed. Working floors made up of an aluminium frame and plywood inserts, also as an access bridge for safe internal access. Sturdy swivel-type castors (permanently mounted) for a high level of stability. Equipped with scaffold props. Working height 4.61 m, scaffold height 3.83 m, platform height 2.61 m. The permissible loading is 2.0 kN/m² on a maximum of one working level (scaffold group 3 according to DIN EN 1004:2005)

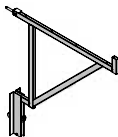


| Ref.-No. | Description / Application | kg |
|-----------|------------------------------------|--------|
| 29-919-00 | ... MAB-MEVA-Working platform..... | 145.50 |

Working Platform

Walkway bracket

Galvanized, yellow, pluggable. Is used as a working and safety scaffold. Is attached to the multi-function profile and secured to the multi-function profile below with a flange screw 18. The planking can be mounted to the brackets. Working width approx. 90 cm. Guardrailing post 100 or 140 is required in addition. Bracket spacing depends on the type of planking (according to DIN 4420).



| Ref.-No. | Description / Application | kg |
|---------------|--|-------|
| 29-106-00 ... | Walkway bracket 90 (yellow), galv..... | 10.30 |

Guardrailing post

Galvanized. Is plugged into the walkway bracket.

| Ref.-No. | Description / Application | kg |
|---------------|----------------------------|------|
| 29-106-75 ... | Guardrailing post 100..... | 3.70 |
| 29-106-85 ... | Guardrailing post 140..... | 4.70 |



Guardrailing post 48

Galvanized. With manifold to be plugged into the walkway bracket and with 48 mm Ø tube to attach scaffold couplers.

| Ref.-No. | Description / Application | kg |
|---------------|------------------------------------|------|
| 29-106-80 ... | Guardrailing post 48/120 (UK)..... | 5.50 |

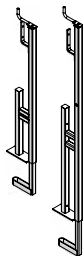


Working Platform

Railing clamp

Coated. Can be clamped to all kind of beams or free slab edges.
 Railing clamp 100 with height 100 cm and clamping length 45 cm.
 Railing clamp 140 with height 140 cm and clamping length 50 cm.

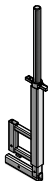
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-107-20 ... | Railing clamp 100..... | 7.90 |
| 29-107-25 ... | Railing clamp 140..... | 10.10 |



Clamp for Guardrailing post

Galvanized. Sliding part with spindle, suited for all common MEVA guardrailing posts (round and square). Adjustment range 0 - 45 cm.
 Usable for stop ends at slab edges and parapets.

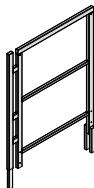
| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------|------|
| 29-107-35 ... | Clamp for guard rail post..... | 9.80 |



Side railing

Galvanized. Is plugged into the walkway bracket.

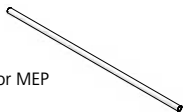
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|-------|
| 29-108-20 ... | Side railing 90/100, galv. | 12.30 |



Working Platform

Scaffold tube

Galvanized. They serve to reinforce large-size units of support frames or climbing scaffolds for crane ganging, as guardrail in connection with the various guardrailing posts or as bracing for MEP shoring towers.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-412-23 ... | Scaffold tube 48/200..... | 9.40 |
| 29-412-26 ... | Scaffold tube 48/300..... | 14.10 |
| 29-412-27 ... | Scaffold tube 48/400..... | 18.80 |
| 29-412-25 ... | Scaffold tube 48/500..... | 23.50 |
| 29-412-28 ... | Scaffold tube 48/600..... | 28.20 |

Rigid coupler 48/48

Galvanized. Connects 2 scaffold tubes with Ø 48.3 mm at an angle of 90° (SW 22).



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-412-50 ... | Rigid coupler 48/48..... | 1.10 |

Swivel-joint coupler 48/48

Galvanized. Connects 2 scaffold tubes with Ø 48.3 mm at any angle required.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|------|
| 29-412-52 ... | Swivel-joint coupler 48/48..... | 1.20 |

Swivel-joint coupler 48/63

Not shown. Galvanized. Connects a scaffold tube with Ø 48.3 mm and one with Ø63 mm at any angle required.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|------|
| 29-412-54 ... | Swivel-joint coupler 48/63..... | 1.80 |

Working Platform

Bolt-on coupler 48/M14

Galvanized. Allows scaffold tubes \varnothing 48.3 mm to be attached to support frames, climbing brackets etc.

| Ref.-No. | Description / Application | kg |
|-----------|----------------------------------|------|
| 40-080-70 | ... Bolt-on coupler 48/M14 | 0.60 |



Tube connector 48

Galvanized. Supplement to rigid coupler 48/48. Is used to reinforce the joint of two tubes.

| Ref.-No. | Description / Application | kg |
|-----------|-----------------------------|------|
| 29-412-57 | ... Tube connector 48 | 1.10 |



Joint coupler 48/48 (SW 22)

Galvanized. Allows scaffold tubes \varnothing 48.3 mm to be attached at tube joints. Is used together with a tube connector 48.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------------|------|
| 29-412-55 | ... Joint coupler 48/48 (SW 22) | 1.40 |



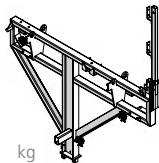
Climbing Formwork



Climbing Formwork

Climbing bracket KLK 230

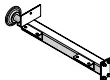
Solid steel construction, coated, with folding guardrailing post. Is used to build climbing scaffolds. Working width: 2.30 m.



| Ref.-No. | Description / Application | kg |
|---------------|--------------------------------|--------|
| 79-411-00 ... | Climbing bracket KLK 230 | 176.50 |

Wall strut

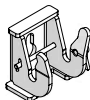
Coated. Is attached to the climbing bracket or bracket extension and used to transfer the load to the wall. Delivery includes 4 bolts M12x35.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 79-411-30 ... | Wall strut | 17.30 |

Suspension shoe KLK

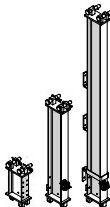
Galvanized. With safety pin and uplift protection for the climbing bracket. Is used to suspend the climbing bracket and connected to the wall with suspension screw M24.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 79-411-05 ... | Suspension shoe KLK..... | 13.70 |

Bracket extension

Coated. Is used together with a wall strut to transfer high loads and to build a secondary platform (with 94 cm working width), which allows the necessary finishing work to be safely done.

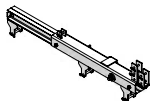


| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|-------|
| 79-411-20 ... | Bracket extension 220 | 57.00 |
| 79-411-22 ... | Bracket extension 120 | 33.00 |
| 79-416-40 ... | Bracket extension 40 | 18.10 |

Climbing Formwork

Slide carriage

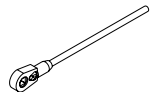
Coated. Is used to move the formwork back and forth by 70 cm. The range of 70 cm provides sufficient working space to install blockouts, rebars, etc. A square spanner is used to slide the carriage. When supplemented with a formwork clamping fixture KLK, the slide carriage allows building a transport unit consisting of formwork and climbing scaffold.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|--------|
| 79-411-50 ... | Slide carriage..... | 132.00 |

Square spanner

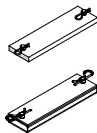
Galvanized. Is used to operate the slide carriage. At least 2 spanners should be available on a construction site that uses a slide carriage on climbing formwork.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------------|------|
| 79-411-45 ... | Square spanner (for carriage)..... | 2.70 |

Formwork adaptor

Coated. Is used to connect AluStar, StarTec, AluFix, EcoAs or Mevalite panels to the formwork clamping fixture KLK or to the formwork support KLK.

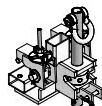


| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 79-411-65 ... | Formwork adaptor AS/ST..... | 5.00 |
| 79-411-92 ... | Formwork adaptor AF/ML | 3.80 |

Climbing Formwork

Formwork clamping fixture KLK

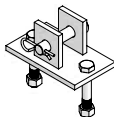
Coated. Height-adjustable, provided with a tilting hinge. Is used to attach wall formwork and allows building a transport unit with formwork and climbing scaffold. Usable with or without slide carriage. In the latter case, a bearing for formwork clamping fixture KLK, a holding device for push-pull props and a brace SRL 120 are also required.



| Ref.-No. | Description / Application | kg |
|-----------|--|-------|
| 79-411-60 | ... Formwork clamping fixture KLK..... | 40.80 |

Bearing for formwork clamping fixture KLK

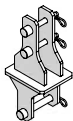
Coated. Connects the formwork clamping fixture KLK to the climbing bracket KLK. Is required when the formwork clamping fixture KLK is used without slide carriage.



| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 79-411-70 | ... Bearing for formwork clamping fixture KLK..... | 2.70 |

Holding device for push-pull props

Galvanized. Is used to attach push-pull props to brace the formwork when using either the formwork support KLK or the formwork clamping fixture KLK without the slide carriage.



| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 79-411-25 | ... Holding device for push-pull props | 7.30 |

Formwork support KLK

Galvanized. Is used to place the (separate) formwork onto the bracket, is required when neither a slide carriage nor a formwork clamping fixture KLK are used the formwork is attached to the formwork support with M assembly lock or Uni-assembly lock.



| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------|-------|
| 79-411-90 | ... Formwork support KLK..... | 12.00 |

Climbing Formwork

Brace SRL 120

Galvanized. Is used to press the formwork against the previous pour and required when the formwork clamping fixture KLK is used.



| Ref.-No. | Description / Application | kg |
|---------------|------------------------------------|-------|
| 29-108-80 ... | Brace SRL 120(90-150)..... | 8.79 |
| 29-108-90 ... | Brace SRL 170(120-220) | 11.50 |

Tension belt

Not shown. For safety against wind load. 50 mm wide, reinforced loop 200 mm, cranked snap hook with safety flap, DIN EN 12195. Adm. load: 25 kN (straight), 50 kN (strapped). Is attached to climbing bracket KLK or bracket extension and with safety eye to concrete wall. This can be done at the cone from the previous pour.

| Ref.-No. | Description / Application | kg |
|---------------|---|------|
| 29-930-10 ... | Tension belt with hook and loop | 3.80 |
| 29-930-15 ... | Tension belt with hook on both ends | 3.90 |

Tension belt clamp H20

Galvanized. Is attached to two wooden girders H20. With eyes to attach the tension belt.

| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-930-90 ... | Tension belt clamp H20 | 1.00 |



Side protection net 200/1000

Not shown. Size 2.00 m x 10.00 m, mesh width 100 mm, red colour. Integrated quick-release belt fasteners allow for a quick assembly of the protection net. Complies with German DIN 4420 standard and is approved by building authorities.

| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------------|------|
| 29-108-60 ... | Side protection net 200/1000..... | 6.50 |

Climbing Formwork

Quick-release belt fastener

Not shown. Allows for a quick assembly of side protection nets.
Length 55 cm, belt width 25 mm, red colour. Approved by building authorities.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------------|------|
| 29-108-65 | ... Quick-release belt fastener | 0.01 |

Safety eye

Is used to attach the 20 kN tensioning chain for wind bracing. Is attached to the cone from the previous pour with a screw M24 x 50 (SW 36). A washer M24 is required.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-412-40 | ... Safety eye | 1.30 |



Beam clamp 295

Galvanized. Is used to clamp girders such H20 girders to the climbing bracket KLK when assembling the KLK climbing scaffold.

| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 79-412-60 | ... Beam clamp 295 | 1.65 |



Extension for guard-railing KLK 230

Coated. Inclination 20°. Extends the guard-railing of the KLK 230 climbing scaffold by approx. 1.00 m.

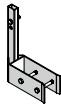
| Ref.-No. | Description / Application | kg |
|-----------|---|-------|
| 79-411-75 | ... Extension for guard-railing KLK 230 | 10.90 |



Climbing Formwork

Support for guardrailing post KLK

Galvanized. With screws. Is attached to platform timber (width 10 cm) and used as additional guardrailing post between climbing scaffolds KLK 230 and/or as side railing according to standard DIN 4420. The guardrailing post KLK is also required.



| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 79-411-77 | ... Support for guard-railing post KLK 230, galv. | 6.90 |

Support for guardrailing post SDT

Galvanized. With screws. Is attached to the web of H20 girders and used for the construction of a (side) railing. Guardrailing post 100 or 140 is also required.



| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-106-90 | ... Support for guard-railing post SDT, galv. | 5.40 |

Guardrailing post KLK 230

Galvanized. Can be attached to the support for guardrailing post KLK 230 and be used as a replacement part for the climbing scaffold KLK 230.

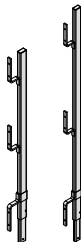


| Ref.-No. | Description / Application | kg |
|-----------|--------------------------------------|------|
| 79-411-78 | ... Guard-railing post KLK 230 | 8.10 |

Guardrailing post

Galvanized. Is plugged into the walkway bracket.

| Ref.-No. | Description / Application | kg |
|-----------|----------------------------------|------|
| 29-106-75 | ... Guard-railing post 100 | 3.70 |
| 29-106-85 | ... Guard-railing post 140 | 4.70 |



Climbing Formwork

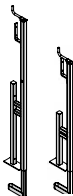
Railing clamp

Coated. Is used as side railing at free slab edges and can be clamped to all kinds of beams.

Railing clamp 100: height 100 cm, clamping length 45 cm.

Railing clamp 140: height 140 cm, clamping length 50 cm.

| Ref.-No. | Description / Application | kg |
|-----------|----------------------------|-------|
| 29-107-20 | ... Railing clamp 100..... | 7.90 |
| 29-107-25 | ... Railing clamp 140..... | 10.10 |



Clamp for guard railing post

Galvanized. Sliding part with spindle is suited for all common MEVA guardrailing posts (round and square). Adjustment range 0 - 45 cm.

Application: stop ends at slab edges and parapets.

| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-107-35 | ... Universal clamp for guard rail post | 9.80 |

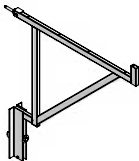


Walkway bracket

Galvanized, yellow, pluggable. Is used as a working and safety scaffold. Is attached to the multi-function profile and secured to the multi-function profile below with a flange screw 18.

The planking can be mounted to the brackets. Working width approx. 90 cm. Guardrailing post 100 or 140 is required in addition. Bracket spacing depends on the type of planking (according to DIN 4420).

| Ref.-No. | Description / Application | kg |
|-----------|--|-------|
| 29-106-00 | ... Walkway bracket 90 (yellow), galv..... | 10.30 |



Climbing Formwork

Climbing cone 15/M24

Provides a suspension point for the climbing scaffold. Serves as a positioning and climbing cone. Load capacity depends on ties and concrete quality. Suited for anchor plates 15/120 and 15/170.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-412-70 ... | Climbing cone 15/M24..... | 1.02 |



Climbing cone 20/M24

Yellow chromated. Provides a suspension point for the climbing scaffold. Serves as a positioning and climbing cone. Load capacity depends on ties and concrete quality. Suited for anchor plate 20/170.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-412-75 ... | Climbing cone 20/M24..... | 1.30 |



Conical sleeve

Suited for climbing cone 15/M24. Is slipped over the climbing cone before pouring and this way eases removing the climbing cone from the set concrete.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-412-95 ... | Conical sleeve..... | 0.01 |



Positioning disc M24

Galvanized. Is used to attach the climbing cone to the facing (4 drill holes with Ø 5 mm). The anchor plate must be secured additionally, e.g. by wiring it to the rebars.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-412-85 ... | Positioning disc M24..... | 0.33 |



Climbing Formwork

Suspension screw M24

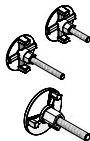
Black, SW 36, with yellow chromated thrust ring. Is used to screw the suspension shoe to the climbing cone.



| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------|------|
| 29-412-80 | ... Suspension screw M24..... | 0.75 |

Anchor plate

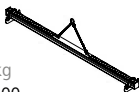
Uncoated. Is used to anchor climbing cones in the concrete. The admissible load capacity depends on the installation depth of the anchor plate and concrete strength at the time of loading (see approval No. by the DIBt [German Institute for Construction Technology]).



| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------|------|
| 29-412-30 | ... Anchor plate 15/120 | 0.80 |
| 29-412-35 | ... Anchor plate 15/170 | 0.90 |
| 29-412-37 | ... Anchor plate 20/170 | 1.85 |

Transport spreader KLK

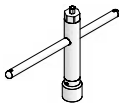
Coated. Is used to move complete climbing scaffold units (width 2,35 - 6,00 m). Max. load capacity is 5 tons. Also required: 4 lifting chains which can be cut to length.



| Ref.-No. | Description / Application | kg |
|-----------|---|--------|
| 79-412-45 | ... Transport spreader KLK | 520.00 |
| 79-412-42 | ... Chain for transport spreader KLK..... | 21.50 |

Combination spanner

Is used to remove the climbing cones (internal hexagonal, SW 36) and positioning discs (internal hexagonal, SW 12) as well as to operate suspension screws M24 (SW 36).



| Ref.-No. | Description / Application | kg |
|-----------|-------------------------------|------|
| 29-411-85 | ... Combination spanner | 4.10 |

Climbing Formwork

Concrete cone 56 x 40

Closes the holes in the concrete when climbing cones have been removed. Is used with concrete glue A + B (Quantity is sufficient for 150 plugs).



| Ref.-No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 29-412-67 ... | Concrete cone 56 x 40 | 0.25 |
| 53-210-70 ... | Concrete glue (A + B) | 1.00 |

Hexagonal screw M24 x 80, 10.9

Black, SW 36. Is used to attach climbing cones to the facing. Is used instead of positioning disc M24 if facing can be drilled. A washer M24 is also required.



| Ref.-No. | Description / Application | kg |
|---------------|--|------|
| 63-119-53 ... | Hexagonal screw M24 x 80, 10.9 black DIN 931 | 0.36 |

Washer M24, DIN 7349-25

Galvanized. Is required when attaching climbing cones with hexagonal screws M24 x 80 or safety eyes with hexagonal screws M24 x 50. Washer is 10 mm thick.

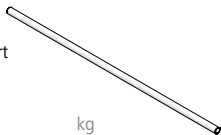


| Ref.-No. | Description / Application | kg |
|---------------|--|------|
| 62-030-50 ... | Washer M24, galv., DIN 7349-25 | 0.10 |
| 29-412-78 ... | Washer D40 x D26, galv., DIN 1440-26 | 0.02 |

Climbing Formwork

Scaffold tube

Galvanized. Is used to reinforce large-size units of support frames or climbing scaffolds for crane ganging.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-412-23 ... | Scaffold tube 48/200..... | 9.40 |
| 29-412-26 ... | Scaffold tube 48/300..... | 14.10 |
| 29-412-27 ... | Scaffold tube 48/400..... | 18.80 |
| 29-412-25 ... | Scaffold tube 48/500..... | 23.50 |
| 29-412-28 ... | Scaffold tube 48/600..... | 28.20 |

Swivel-tube coupler 48

Galvanized. Is used to mount scaffold tubes Ø 48.3 mm in order to fasten protective nets.

| Ref.-No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-412-48 ... | Swivel tube coupler 48 | 1.62 |



Rigid coupler 48/48

Galvanized. Connects 2 scaffold tubes with Ø 48.3 mm at an angle of 90° (SW 22).

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-412-50 ... | Rigid coupler 48/48 | 1.10 |



Swivel-joint coupler 48/48

Galvanized. Connects two scaffold tubes with Ø 48.3 mm at any angle.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------------|------|
| 29-412-52 ... | Swivel-joint coupler 48/48..... | 1.20 |



Climbing Formwork

Bolt-on coupler 48/M14

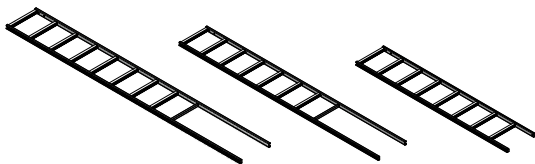
Galvanized. Connects scaffold tubes with \varnothing 48.3 mm to the support frame, scaffolding bracket, etc.

| Ref.-No. | Description / Application | kg |
|-----------|----------------------------------|------|
| 40-080-70 | ... Bolt-on coupler 48/M14 | 0.60 |



Ladder

Galvanized. Provides access to the secondary platforms. Is attached to the access hatch KLK. Attachment to the climbing bracket is achieved with ladder fixtures. Can be extended with extension ladders. Safety cages are required for operational safety.



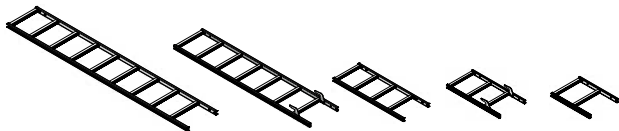
| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|-------|
| 29-414-50 | ... Ladder 348..... | 23.20 |
| 29-414-55 | ... Ladder 318..... | 21.10 |
| 29-416-50 | ... Ladder 243..... | 17.20 |

Climbing Formwork

Extension ladder

Galvanized. For height extension. Is attached to the ladder by using the ladder link set KLK. The extension ladder must be secured with ladder fixture KLK.

Additional extension in increments of 30 cm by hooking an extension ladder into the appropriate step.

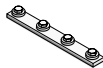


| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-416-52 ... | Extension ladder 270..... | 19.20 |
| 29-414-60 ... | Extension ladder 210..... | 15.80 |
| 29-416-55 ... | Extension ladder 120..... | 8.50 |
| 29-416-60 ... | Extension ladder 90..... | 7.40 |
| 29-416-62 ... | Extension ladder 60..... | 4.40 |

Ladder connector

Galvanized. Connects 2 ladders at the joint without the need to hook one ladder into a step of the other.

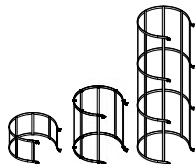
| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-414-70 ... | Ladder connector..... | 1.03 |



Climbing Formwork

Safety cage

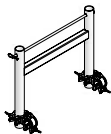
Galvanized. Internal Ø 70 cm. Protects workers when ascending and descending. The safety cages are attached to the ladders or extension ladders with the integrated hammerhead screws.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-414-85 ... | Safety cage 210 | 27.60 |
| 29-414-90 ... | Safety cage 85 | 12.10 |
| 29-416-90 ... | Safety cage 40 | 8.20 |

Ladder fixture KLK

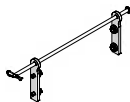
Galvanized. Is attached to the scaffold tube units of the climbing scaffold with the integrated coupler. The ladder is secured to the ladder fixture with a long pin.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 79-416-65 ... | Ladder fixture KLK..... | 7.40 |

Ladder link set KLK

Galvanized. Connects 2 ladders in the transition from straight ladder to tilted ladder.

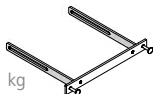


| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 79-416-72 ... | Ladder link set KLK..... | 1.76 |

Climbing Formwork

Ladder base KLK

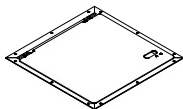
Galvanized. Is used to attach the ladder at its bottom with 2 bolts M12x80 to the planking (45 mm). Has a 24 cm long hole to allow for height adjustment.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 79-416-70 ... | Ladder base KLK..... | 4.60 |

Access hatch KLK

Galvanized steel frame. Hatch made from checker plate. Cathaphoretic coating; max. opening 88°, self-closing.



| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-416-05 ... | Access hatch KLK | 22.30 |

Climbing bracket KLK 230 UK

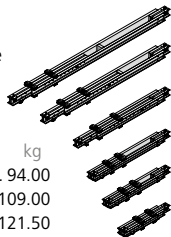
Side protection with scaffold tubes.

| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------------|-------|
| 79-411-79 ... | Guard-railing post KLK 230 UK | 7.70 |
| 79-411-18 ... | Bracket extension 220 UK | 59.50 |
| 29-106-80 ... | Guard-railing post 48/120 (UK)..... | 5.50 |

Shaft platform

Base girder

Base girder with safety pawl. An assembly plate and a crane eye replace the shaft platform girder.



| Ref.-No. | Description / Application | kg |
|---------------|-------------------------------|--------|
| 29-150-25 ... | Base girder 1410 - 1875 | 94.00 |
| 29-150-35 ... | Base girder 1880 - 2345 | 109.00 |
| 29-150-45 ... | Base girder 2340 - 2805 | 121.50 |
| 29-150-55 ... | Base girder 2800 - 3790 | 182.00 |
| 29-150-65 ... | Base girder 3795 - 4785 | 252.50 |
| 29-150-75 ... | Base girder 4790 - 5780 | 291.00 |

Shaft platform safety catch

A safety pawl, an assembly plate and a crane eye in conjunction with a base girder form a shaft platform girder.

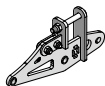
| Ref.-No. | Description / Application | kg |
|---------------|----------------------------------|-------|
| 29-150-82 ... | Shaft platform safety catch..... | 11.52 |



Shaft platform suspension plate 25

An assembly plate, a safety pawl and a crane eye in conjunction with a base girder form a shaft platform girder.

| Ref.-No. | Description / Application | kg |
|---------------|--|-------|
| 29-150-85 ... | Shaft platform suspension plate 25 | 12.55 |



Crane eye

An assembly plate, a safety pawl and a crane eye in conjunction with a base girder form a shaft platform girder.

| Ref.-No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-150-80 ... | Crane eye..... | 3.16 |

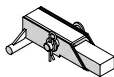


Shaft platform

Folding suspension

Coated. Is hooked into the suspension shoe.

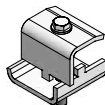
Two folding suspensions are required per steel girder of a shaft platform.



| Ref.-No. | Description / Application | kg |
|-----------|------------------------------|-------|
| 29-410-80 | ... Folding suspension | 11.80 |

Beam clamp H20

Galvanized. Is used to attach H20 girders to the shaft platform girders.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-411-62 | ... Beam clamp H20 | 0.90 |

Bearing pocket

Coated. Is used to form a pocket for the shaft platform girder.

A minimum concrete strength of 15 N/mm² is required when installing the shaft platform girder. The integrated hexagonal nut has thread size M12.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-151-80 | ... Bearing pocket | 6.50 |

Shaft folding bearing plate

Coated. Supports wooden or steel shaft girders.

Admissible load capacity is 25 kN.

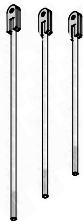


| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------------|-------|
| 29-410-20 | ... Shaft folding bearing plate | 12.60 |

Shaft platform

Threaded rod LH

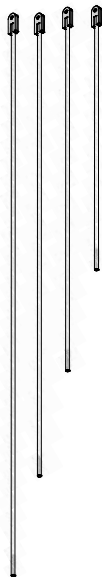
Steel. Galvanized and yellow chromated for distinction from threaded rods with right-handed thread (RH). Ø 16 mm. With a 10 cm long left-handed LH thread M16. Together with turnbuckle nuts M16 and attached to L steel angles, the threaded rods LH and RH are used to diagonally brace the platform units. Attachment with hexagonal screws M12x40 and hexagonal nuts M12.



| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 29-009-10 | ... Threaded rod 60-LH (yellow / blue head)..... | 1.02 |
| 29-009-15 | ... Threaded rod 70-LH (yellow / red head)..... | 1.30 |
| 29-009-20 | ... Threaded rod 80-LH (yellow) | 1.45 |

Threaded rod RH

Steel. Galvanized, silver colour. Ø 16 mm. With a 10 cm long right-handed LH thread M16. Together with turnbuckle nuts M16 and attached to L steel angles, the threaded rods LH and RH are used to diagonally brace the platform units. Attachment with hexagonal screws M12x40 and hexagonal nuts M12.

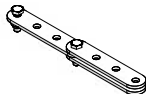


| Ref.-No. | Description / Application | kg |
|-----------|---|------|
| 29-009-40 | ... Threaded rod 130-RH (silver / red head) | 2.25 |
| 29-009-50 | ... Threaded rod 180-RH (silver / yellow head)..... | 3.05 |
| 29-009-60 | ... Threaded rod 230-RH (silver / green head)..... | 3.85 |
| 29-009-70 | ... Threaded rod 280-RH (silver) | 4.65 |

Shaft platform

Tension rod extension

Galvanized flat steel construction. Allows the tension rods to be extended by 20 to 30 cm in increments of 5 cm. Several extensions can be used for the same tension rod. The ledger contains the connecting parts.



| Ref.-No. | Description / Application | kg |
|-----------|---------------------------------|------|
| 29-009-90 | ... Threaded rod extension..... | 1.05 |

Turnbuckle nut M16

Steel, galvanized. Is screwed onto the M16 thread. Connects the threaded rods LH and LR, also tensions the tension rod built with the threaded rods. Adjustment range: 10 cm.



| Ref.-No. | Description / Application | kg |
|-----------|----------------------------------|------|
| 29-009-95 | ... Turnbuckle nut M16 MGC | 0.43 |

Accessories for attachment

Not shown. For fixing the bracing to the Shaft platform girder.

| Ref.-No. | Description / Application | kg |
|-----------|--|------|
| 62-030-43 | ... Washer M16, DIN434 galv. (wedge) 18 | 0.01 |
| 63-120-57 | ... Hexagonal screw M12 x 40, galv., DIN 933 | 0.05 |
| 63-125-60 | ... Hexagonal nut M12, galv., DIN 934..... | 0.01 |



MEVA-FormSet

Formwork girder H20

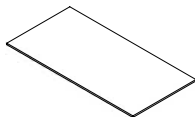
Robust, all-purpose girder for different tasks. High load-bearing capacity with only low weight, approved by building authorities; adm. Q = 11 kN; adm. M = 5 kNm.



| Ref. No. | Description / Application | kg |
|---------------|-------------------------------|-------|
| 29-206-02 ... | Formwork girder H20/245 | 12.30 |
| 29-206-05 ... | Formwork girder H20/290 | 14.50 |
| 29-206-10 ... | Formwork girder H20/330 | 16.50 |
| 29-206-20 ... | Formwork girder H20/390 | 19.50 |
| 29-206-30 ... | Formwork girder H20/450 | 22.50 |
| 29-206-45 ... | Formwork girder H20/490 | 24.50 |
| 29-206-48 ... | Formwork girder H20/590 | 29.50 |

Shuttering panel 35

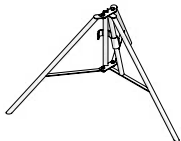
Three-layer plywood, 21 mm thick. With resistant coating on both sides. Good pore structure of the concrete due to absorbent surface.



| Ref. No. | Description / Application | m ² | kg |
|---------------|--------------------------------------|----------------|-------|
| 29-324-30 ... | Shuttering panel 35.....250/50 | 1.25 | 11.81 |
| 29-324-20 ... | Shuttering panel 35.....200/50 | 1.00 | 9.45 |

Tripod

Galvanized auxiliary to stabilize props with Ø 48 to 80 mm. The turnable legs allow the tripod in rooms, along walls or in corners. The tripod can be attached to the aluminium profile of the MEP props with the MD safety claw.

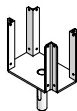


| Ref. No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-905-50 ... | Tripod | 8.00 |
| 29-905-52 ... | Tripod 120 | 17.70 |

MEVA-FormSet

Forked prop head

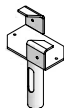
Galvanized. Supports H20 formwork girders. Is attached to EuMax props with pin 14/90e or to MEP props with pin 14/135.



| Ref. No. | Description / Application | kg |
|-----------|--------------------------------|------|
| 29-206-40 | ... Forked prop head H20 | 3.00 |

Beam clamp H20

Galvanized. Is used to position intermediate props below H20 girders. Is attached to Eumax props with pin 14/90e or to MEP props with pin 14/135.



| Ref. No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-907-00 | ... Beam clamp H20 | 0.80 |

Flange Screw H20

Galvanized. For MGC-JF (Jumpform) and for fastening the H20-beams to the HC-support main beam. 4 pieces per Jumpform (Bracket)



| Ref. No. | Description / Application | kg |
|-----------|----------------------------|------|
| 29-206-85 | ... Flange screw H20 | 3.00 |

Connector Clip H20

Galvanized. Is used to connect wooden H20 girders to each other. The wedge locks the girders into place and releases them.

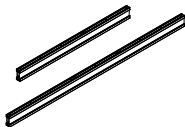


| Ref. No. | Description / Application | kg |
|-----------|------------------------------|------|
| 29-930-85 | ... Connector Clip H20 | 0.70 |

MEVA-FormSet

MEVA alu-beam 20

Robust aluminium girder with integrated plastic bar. Usable for different applications. High load capacity thanks to stable form. Load: Q (cross force) = 39.73 kN, adm. M = 25.96 kN



| Ref. No. | Description / Application | kg |
|---------------|----------------------------|-------|
| 29-216-15 ... | MEVA alu-beam 20/245 | 26.20 |
| 29-216-45 ... | MEVA alu-beam 20/390 | 42.00 |

Beam clamp H20/H20

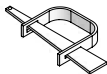
Galvanized. Is used to attach planks or cross beams to H20 beams when using slab tables.



| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-411-64 ... | Beam clamp H20/H20 | 0.90 |

Cross-bracing clamp

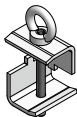
Galvanized. Is used to brace steel props with boards when the forming height exceeds 3.00 m. Usable for all prop \varnothing s from 48 to 76 mm.



| Ref. No. | Description / Application | kg |
|---------------|---------------------------------------|------|
| 29-907-10 ... | Cross-bracing clamp | 1.00 |
| 29-907-11 ... | Cross-bracing clamp Eumax D88.9 | 1.50 |

Tension belt clamp H20

Galvanized. Is attached to two wooden girders H20. With eyes to attach the tension belt.

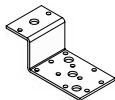


| Ref. No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-930-90 ... | Tension belt clamp H20 | 1.00 |

MEVA-FormSet

Z-connector 40

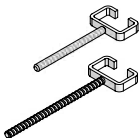
Galvanized. Connects H20 stringers to H20 joists (flange height 40 mm). We recommend using double-headed nails for attachment.



| Ref. No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-207-30 | ...Z-connector 40..... | 0.19 |

Safety clamp H20

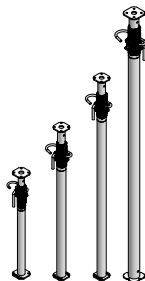
Galvanized. DW thread \varnothing 15 mm. Connects wood girders with steel profiles, e.g. alignment rails. A flange nut 100 is also required. Thread 22 cm or 30 cm long.



| Ref. No. | Description / Application | kg |
|-----------|------------------------------|------|
| 29-401-17 | ... Safety clamp H20..... | 0.70 |
| 29-401-18 | ... Safety clamp H20/30..... | 0.77 |

EuMax 30

Galvanized. Complies with European Standard EN 1065, class E. The admissible load capacity is 30 kN at all extensions. Higher load capacities are admissible when used with MEVA formwork (see the MevaDec Technical Instruction Manual).

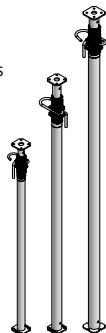


| Ref. No. | Description / Application | kg |
|-----------|-------------------------------------|-------|
| 29-907-46 | ... EuMax 30/150.....(98-150)..... | 10.40 |
| 29-907-51 | ... EuMax 30/250.....(152-250)..... | 18.10 |
| 29-907-61 | ... EuMax 30/350.....(202-350)..... | 23.00 |
| 29-907-62 | ... EuMax 30/450.....(252-450)..... | 32.40 |

MEVA-FormSet

EuMax 20

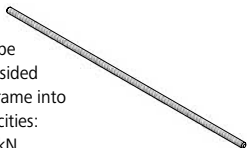
Galvanized. Complies with European Standard EN 1065, class D. The admissible load capacity is 20 kN at all extensions. Higher load capacities are admissible when used with MEVA formwork (see the MevaDec Technical Instruction Manual).



| Ref. No. | Description / Application | kg |
|---------------|----------------------------------|-------|
| 29-907-36 ... | EuMax 20/300.....(177-300) | 16.90 |
| 29-907-41 ... | EuMax 20/400.....(232-400) | 23.80 |
| 29-907-45 ... | EuMax 20/550.....(302-550) | 37.00 |

Tie rod DW

Uncoated, not weldable. With DW thread. Must not be welded or heated. DIN 18216. Ties panels of double-sided formwork and transfers the loads from the support frame into the bottom slab or foundation. Admissible load capacities: Ø 15 mm 90 kN, Ø 20 mm 160 kN, Ø 26.5 mm 250 kN.

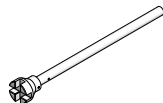


| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-900-76 ... | Tie rod DW 15/45..... | 0.63 |
| 29-900-88 ... | Tie rod DW 15/75..... | 1.10 |
| 29-900-80 ... | Tie rod DW 15/90..... | 1.25 |
| 29-900-90 ... | Tie rod DW 15/125..... | 1.80 |
| 29-901-21 ... | Tie rod DW 15/200..... | 2.90 |
| 29-901-25 ... | Tie rod DW 15/300..... | 4.30 |
| 29-901-37 ... | Tie rod DW 15/600..... | 8.40 |
| 29-900-97 ... | Tie rod DW 20/120..... | 3.00 |
| 29-900-75 ... | Tie rod DW 26.5/80..... | 3.60 |

MEVA-FormSet

Tie wrench DW15/DW20

Made of steel, galvanized. Used to screw in, screw out and hold tie rods DW15 and DW20; length 400 mm.



| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-901-39 ... | Tie wrench DW15/DW20..... | 3.10 |

Wobble anchor DW 26.5/80

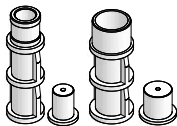
Raw, weldable, length 80 cm, for rear anchoring in the concrete, adm. load capacity: 240 kN.



| Ref. No. | Description / Application | kg |
|---------------|-------------------------------|------|
| 29-900-72 ... | Wobble anchor DW 26.5/80..... | 3.64 |

Anchor sleeve

High-density plastic. With nail holder 18. Is pressed onto the nail holder that is nailed to the formwork. Extraction force 40 kN, admissible load 6.5 kN (DW 15). Required minimum concrete strength: 15 N/mm.



| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-917-90 ... | Anchor sleeve DW 15..... | 0.05 |
| 29-917-95 ... | Anchor sleeve DW 20..... | 0.08 |

Plug

Plastic. Closes and seals stop-end sleeves and plastic tubes.

| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-922-10 ... | Plug 18 | 0.01 |
| 29-922-15 ... | Plug 22 | 0.01 |
| 29-922-20 ... | Plug 26.5 | 0.01 |



MEVA-FormSet

Nailable connector for fair-faced concrete

Plastic, red. For fair-faced concrete plugs DW 15. Is used to attach anchor sleeves DW 15 to the facing.

| Ref. No. | Description / Application | kg |
|---------------|-------------------------------|------|
| 29-921-80 ... | Nailable connector DW15 | 0.02 |



Fair-faced concrete plug

Made of concrete. Seals the nailable connector for fair-faced concrete. Is glued with concrete glue A+B.

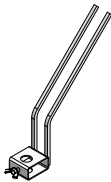
| Ref. No. | Description / Application | kg |
|---------------|--------------------------------------|------|
| 29-921-85 ... | Fair-faced concrete plug DW 15 | 0.05 |



Anchor support DW 15 - DW 26.5

Steel, uncoated. Bottom bent by 45°. Supports DW 15, DW 20 and DW 26.5 tie rods. The tie rods are re-usable if PVC sleeves are used. The anchor support is always attached with the integrated adjusting screw.

| Ref. No. | Description / Application | kg |
|---------------|--------------------------------------|------|
| 29-925-80 ... | Anchor support DW 15 - DW 26.5 | 0.96 |



MEVA-FormSet

Single anchor DW

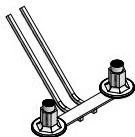
Steel, uncoated. Admissible load: DW 15 = 90 kN, DW 20 = 160 kN, DW 26.5 = 250 kN. Is used for 45° anchoring in the bottom slab when using support frames. Attachment at bottom rebar.



| Ref. No. | Description / Application | kg |
|---------------|-----------------------------|------|
| 29-925-40 ... | Single anchor DW15 | 0.80 |
| 29-925-45 ... | Single anchor DW 20 | 1.30 |
| 29-925-50 ... | Single anchor DW 26.5 | 2.40 |

Double anchor DW

Steel, uncoated. Admissible load: DW 15 = 180 kN, DW 20 = 320 kN. Is used for 45° anchoring in the bottom slab when using support frames. Attachment at bottom rebar.



| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-925-60 ... | Double anchor DW 15..... | 1.90 |
| 29-925-65 ... | Double anchor DW 20..... | 2.70 |

Anchor loop

Uncoated, not weldable. With DW thread. DIN 18216. Transfers the load from the support frame into the floor slab or foundation.

Adm. load depends on loop diameter.

Ø 15 mm: 2 x 90 kN = 180 kN. Ø 20 mm: 2 x 160 kN = 320 kN.

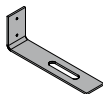


| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-001-20 ... | Anchor loop 15 | 2.40 |
| 29-001-25 ... | Anchor loop 20 | 4.50 |

MEVA-FormSet

Upstand bracket

Adjustment range 100 mm. Is used to brace upstand formwork.



| Ref. No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-925-10 | ... Upstand bracket..... | 1.00 |

Fix anchor

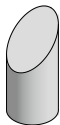
Uncoated. Is used to anchor tie rods in the concrete with anchor supports.



| Ref. No. | Description / Application | kg |
|-----------|-----------------------------|------|
| 29-926-60 | ... Fix anchor DW 15..... | 0.52 |
| 29-926-65 | ... Fix anchor DW 20..... | 0.85 |
| 29-926-70 | ... Fix anchor DW 26.5..... | 1.90 |

Planing cap DW

Hard foam, 13 cm long, 45° end piece. For DW 15 and DW 20 (or 26.5). Is plugged onto the DW tie rod or on a plastic sleeve for one-sided anchoring of support frames STB. Hole depth 5 cm.



| Ref. No. | Description / Application | kg |
|-----------|------------------------------|------|
| 29-917-75 | ... Planing cap DW 15..... | 0.01 |
| 29-917-80 | ... Planing cap DW 20..... | 0.01 |
| 29-917-85 | ... Planing cap DW 26.5..... | 0.02 |

MEVA-FormSet

Spiral anchor DW 15/100

Steel spiral bead, 10 cm long, with styropore core. Is used to attach formwork equipment with tie rods DW 15, e.g. when adjusting the equipment when using push-pull props or the like. Remove the styropore with a 14 mm drill.



| Ref. No. | Description / Application | kg |
|---------------|--|------|
| 29-921-10 ... | Spiral anchor DW 15/100 | 0.06 |
| 29-921-20 ... | Assembly bracket for Spiral anchor MFS | 0.10 |

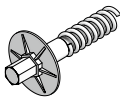
Adjustable spanner

Not shown. For DW 15, DW 20 and DW 26.5. Is used to loosen and unscrew recoverable tie rods.

| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-926-95 ... | Adjustable spanner..... | 1.60 |

Quick anchor

Including anchor plate and spiral spring. Is pressed into the fresh concrete. The thickness of the upper concrete layer is set by adjusting the anchor plate. Secured in the rebar with the quick anchor holder. Extraction force at 24 N/mm²; concrete strength 49.9 kN.

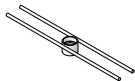


| Ref. No. | Description / Application | kg |
|---------------|---------------------------------|------|
| 29-922-70 ... | Quick anchor..... | 0.30 |
| 29-922-73 ... | Quick anchor anchor plate | 0.05 |

MEVA-FormSet

Quick-anchor fixture

To secure the spiral anchor or the quick anchor in the rebar.



| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-922-75 ... | Quick-anchor fixture..... | 0.18 |

Spiral spring

Spare part, remains in concrete.



| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-922-72 ... | Spiral spring | 0.04 |

Nail plate DW 15 MFS

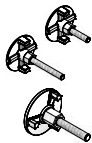
Galvanised, for fastening the box-out elements on the slab formwork panel with 4 nails d=65 mm.



| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-922-50 ... | Nail plate DW15 MFS | 0.70 |

Anchor plate

Uncoated. Is used to anchor climbing cones in the concrete. The admissible load capacity depends on the installation depth of the anchor plate and concrete strength at the time of loading (see approval No. by the DIBt [German Institute for Construction Technology]).



| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-412-30 ... | Anchor plate 15/120 | 0.80 |
| 29-412-35 ... | Anchor plate 15/170 | 0.90 |
| 29-412-37 ... | Anchor plate 20/170 | 1.85 |

MEVA-FormSet

Double-headed ground nail 25/480

Is used to attach brace bracket 80. Double-headed. Is removed from the earth with the extractor (to be ordered separately).



| Ref. No. | Description / Application | kg |
|-----------|--------------------------------------|------|
| 29-800-45 | ... Double-headed ground nail 25/480 | 2.00 |

Remover for soil nail

Is used to remove the ground nail from the earth together with a lever rod (not supplied).



| Ref. No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-800-50 | ... Remover for soil nail | 0.80 |

Articulated flange nut

Forged, galvanized. DIN 18216. DW thread \varnothing 15 mm (\varnothing 20 mm), plate \varnothing 120 mm (140 mm). Max. inclination 10° , SW 27 mm (36 mm). Max. load capacity 90 kN (160 kN). Reduces wear of panel coating.



| Ref. No. | Description / Application | kg |
|-----------|-----------------------------------|------|
| 29-900-10 | ... Articulated flange nut 15/120 | 1.81 |
| 29-900-05 | ... Articulated flange nut 20/140 | 2.40 |



Flange nut 100

Forged, galvanized. DIN 18216. DW thread \varnothing 15 mm, plate \varnothing 100 mm, SW 27. Admissible load capacity 90 kN.

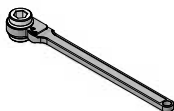


| Ref. No. | Description / Application | kg |
|-----------|------------------------------------|------|
| 29-900-20 | ... Flange nut 100 (SW 27, forged) | 0.70 |

MEVA-FormSet

Spanner

Inset yellow chromated. Spanner width (SW) 27 mm. Is used to tighten and loosen flange nuts 100, articulated flange nuts 15/120 and flange screws. Is also used for articulated flange nuts 20/140 with SW 36 mm.



| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-800-00 ... | Spanner SW 26 | 1.80 |
| 29-800-10 ... | Spanner SW 27 | 1.80 |
| 29-800-15 ... | Spanner SW 36 | 3.30 |

Drive nut 60

Galvanized. DIN 18216. DW thread \varnothing 15 mm, plate \varnothing 60 mm. Adm. load capacity 90 kN. Is used to anchor the formwork to the ground or a wall connection.



| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-900-23 ... | Drive nut 60 | 0.50 |

Hexagonal nut

Forged. With DW thread. DIN 18218. Is used to tie the anchors in the bottom slab and to the support frame with a counter plate. Adm. load capacity and SW depend on nut diameter: \varnothing 15 mm (90 kN, SW 30), \varnothing 20 mm (160 kN, SW 36), \varnothing 26.5 mm (250 kN, SW 46).



| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-900-61 ... | Hexagonal nut 20..... | 0.50 |
| 29-900-60 ... | Hexagonal nut 15..... | 0.20 |
| 29-900-58 ... | Hexagonal nut 26.5..... | 0.50 |

MEVA-FormSet

Coupling nut

With DW thread. Connect tie rods to the anchor loop when length extension is necessary. Adm. load capacity and SW depend on nut diameter: Ø 15 mm (90 kN, SW 30), Ø 20 mm (160 kN, SW 36), Ø 26.5 mm (250 kN, SW 46).



| Ref. No. | Description / Application | kg |
|---------------|----------------------------|------|
| 29-900-55 ... | Coupling nut DW 15 | 0.43 |
| 29-900-50 ... | Coupling nut DW 20 | 0.70 |
| 29-900-56 ... | Coupling nut DW 26.5 | 1.40 |

Washer plate

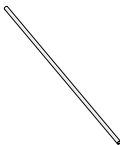
Galvanized. Is used with tie rods DW 15 and hexagonal nuts 15. Washer 40/80/8 for panels with a frame profile width of 40 mm. Washer 60/100/10 for panels with a frame profile width of 60 mm.



| Ref. No. | Description / Application | kg |
|---------------|-----------------------------------|------|
| 29-900-43 ... | Washer plate 40/80/8, galv..... | 0.20 |
| 29-900-46 ... | Washer plate 60/100/10, galv..... | 0.50 |

Plastic tube

Is used as a plastic sleeve for a tie rod that is to be recovered and re-used. 2 m long.



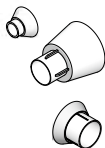
| Ref. No. | Description / Application | kg |
|---------------|----------------------------|------|
| 29-902-30 ... | Plastic tube D22/200 | 0.35 |
| 29-902-29 ... | Plastic tube D26/200 | 0.40 |
| 29-902-28 ... | Plastic tube D32/200 | 0.40 |

MEVA-FormSet

Cone for plastic tube

Available with 10 mm or 30 mm covering .

| Ref. No. | Description / Application | kg |
|---------------|---|------|
| 29-902-40 ... | Cone for plastic tube D22/10 (10 mm covering) | 0.01 |
| 29-902-50 ... | Cone for plastic tube D22/30 (30 mm covering) | 0.01 |
| 29-902-55 ... | Cone for plastic tube D32/10..... | 0.01 |



Concrete and rock anchor DW 15

Uncoated. Adm. load capacity 90 kN depending upon the strength of the concrete or the rock. Before the final load is applied, a test pull has to be made.

| Ref. No. | Description / Application | kg |
|---------------|--------------------------------------|------|
| 29-412-08 ... | Concrete and rock anchor DW 15 | 0.30 |



Water stop

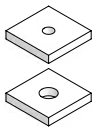
Not shown. Uncoated. Lost part for tie rods DW 15 and DW 20 to produce watertight tie holes. Adm. load capacity depends on diameter: Ø 15 mm (90 kN), Ø 20 mm (160 kN).

| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-903-20 ... | Water stop DW 15 | 0.60 |
| 29-903-30 ... | Water stop DW 20 | 1.35 |

Counter plate

Galvanized. Is used with tie rods DW 15, 20 or 26.5 and the appropriate hexagonal nuts to anchor the support frame. Hole Ø 25 mm or 38 mm.

| Ref. No. | Description / Application | kg |
|---------------|--|------|
| 29-900-35 ... | Counter plate 120 x 120 x 20/25, galv..... | 2.10 |
| 29-900-30 ... | Counter plate 120 x 120 x 20/38, galv..... | 2.10 |



MEVA-FormSet

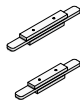
Pressure gauge

Not shown. Measures tractive force of anchors from 250 to 400 kN.
Includes compensating plate for tie rods, with 50 mm hole diameter.

| Ref. No. | Description / Application | kg |
|---------------|----------------------------|------|
| 29-915-15 ... | Pressure gauge 250 kN..... | 6.40 |
| 29-915-00 ... | Pressure gauge 400 kN..... | 6.40 |

Spacer

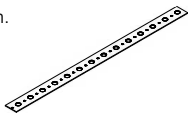
alkus-sheet to maintain the distance between the wall thickness. Is inserted between the formwork at the top. For wall thickness 25 cm and 30 cm or 20 cm and 24 cm.



| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-901-62 ... | Spacer 25/30 AL20/17..... | 0.72 |
| 29-901-52 ... | Spacer 20/24 AL20/17..... | 0.60 |

Foundation tape

Galvanized. Hole spacing 50 mm, hole Ø 16 mm, length 50 m.
Adm. tractive force 10 kN. To be cut at hole center. Serves together with the appropriate tensioner as bottom anchoring when panels are assembled in horizontal position.



| Ref. No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-307-50 ... | Foundation tape 50 m..... | 20.00 |

Trolley for foundation tape

Not shown. Is used to transport and cut foundation tapes to length.
Suitable for one roll Pneumatic wheels.

| Ref. No. | Description / Application | kg |
|---------------|----------------------------------|-------|
| 29-307-55 ... | Trolley for foundation tape..... | 21.80 |

MEVA-FormSet

Door spindle MFS

Steel, galvanized, DW 20. Adjustment range 70 - 110 cm or 55 - 90 cm. Is used to brace door and window blockouts. With nail holes. Torsion-proof and compression-proof. Integrated fail-safe device.



| Ref. No. | Description / Application | kg |
|---------------|------------------------------------|------|
| 29-921-65 ... | Door spindle MFS 700-1100 mm | 4.70 |
| 29-921-63 ... | Door spindle MFS 550-900 mm | 4.00 |

Box Out Corner WT

Painted steel. They are bolted in the corners of the shuttering panels to be boxed out. The captive wedges allow the box-out corners to be opened and closed.



| Ref. No. | Description / Application | kg |
|---------------|--|------|
| 29-924-62 ... | Box Out Corner WT 20-18 mm plate | 3.89 |
| 29-924-56 ... | Box Out Corner WT 20-21 mm plate | 4.32 |
| 29-924-50 ... | Box Out Corner WT 20-27 mm plate | 4.12 |
| 29-924-57 ... | Box Out Corner WT 24-21 mm plate | 4.68 |
| 29-924-64 ... | Box Out Corner WT 25-18 mm plate | 3.04 |
| 29-924-58 ... | Box Out Corner WT 25-21 mm plate | 4.26 |
| 29-924-52 ... | Box Out Corner WT 25-27 mm plate | 4.46 |
| 29-924-66 ... | Box Out Corner WT 30-18 mm plate | 3.60 |
| 29-924-60 ... | Box Out Corner WT 30-21 mm plate | 4.26 |
| 29-924-54 ... | Box Out Corner WT 30-27 mm plate | 5.24 |

Magnet RS d = 60/80

Used to position small box-outs or electrical sockets. Several magnets are used for box-outs up to 40 cm. The full clamping force is only transmitted when pressed against the facing. Adjustment range 60 - 80 mm.

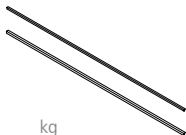


| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 23-807-67 ... | Magnet RS d=60/80 | 1.00 |

MEVA-FormSet

Chamfer strip magnet RS

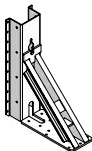
Is used on steel facing, e.g. on the facing of the Radius circular system.



| Ref. No. | Description / Application | kg |
|---------------|---|------|
| 29-903-07 ... | Chamfer strip magnet RS 20/20 L=2.00 m..... | 3.20 |
| 29-903-02 ... | Chamfer strip magnet RS 15/15 L=2.00 m..... | 2.24 |

Trestle for beams 40/30

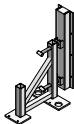
Galvanized. Is used as formwork for concrete beams or for stop ends at slab edges.



| Ref. No. | Description / Application | kg |
|---------------|------------------------------|------|
| 29-500-10 ... | Trestle for beams 40/30..... | 5.10 |

Brace bracket 50 MFS

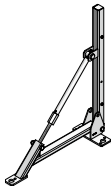
Galvanised, for base plates and slab edge formwork up to the height of 50 cm. With integrated nailing strip. Fixing in the ground with soil nail. Fixing in the base plate with anchor dowel.



| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-921-30 ... | Brace bracket 50 MFS..... | 5.80 |

Brace bracket 80

Galvanized. Can be used for floor slabs and slab ends up to 80 cm high. Can be inclined by up to +/- 15°. With plastic nail bar. Can be folded for transport.

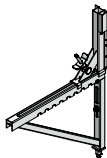


| Ref. No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-921-35 ... | Brace bracket 80 | 11.50 |

MEVA-FormSet

Stop-end bracket MFS

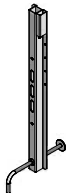
Steel, galvanized. Is used for cantilevering slabs up to 50 cm and slabs up to 40 cm thick. Delivery includes formwork support and and support for MEVA guardrailing post.



| Ref. No. | Description / Application | kg |
|-----------|--------------------------------|-------|
| 29-921-40 | ... Stop end bracket MFS | 14.50 |

Stop-end rail MFS

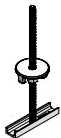
Steel, galvanized. Is used to form slab ends for slabs up to 60 cm thick.



| Ref. No. | Description / Application | kg |
|-----------|-----------------------------|------|
| 29-921-50 | ... Stop end rail MFS | 7.20 |

Stop-end spindle MFS

Steel, galvanized. DW 15. Is used as an anchor to adjust the stop-end rail and formwork.



| Ref. No. | Description / Application | kg |
|-----------|--------------------------------------|------|
| 29-921-55 | ... Stop end spindle MFS DW 15 | 1.90 |

MEVA-FormSet

MTT base standard 221

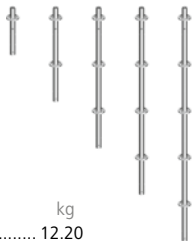
made of steel, with moulded tube connector, used at the base of the MTT without starter, it is provided with 5 punched discs



| Ref. No. | Description / Application | kg |
|---------------|-----------------------------|-------|
| 24-200-45 ... | MTT base standard 221 | 10.00 |

MTT standard

Steel tube, Ø 48.3 x 3.2 mm, hot-dip galvanised, with a punched disc every 50 cm for up to 8 connections. The 4 small recesses are for rectangular connections, the 4 large recesses are for connections at any angle.



| Ref. No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 24-200-39 ... | MTT standard 250 | 12.20 |
| 24-200-44 ... | MTT standard 221 | 11.50 |
| 24-200-40 ... | MTT standard 200 | 10.20 |
| 24-200-41 ... | MTT standard 150 | 7.80 |
| 24-200-42 ... | MTT standard 100 | 5.50 |
| 24-200-43 ... | MTT standard 50 | 3.20 |

MEVA-FormSet

MTT ledger

Steel. Is used to support the steel deck, for bracing and as a railing. The gib and cotter connections ensure the tight and solid connection and central load application between MTT standards and ledgers. The gib and cotter connections provide maximum safety from the moment tower assembly is started because they prevent the loosely inserted ledgers from unhinging. Longitudinal ledgers are not required on steel deck level if the steel deck is protected against lifting and tilting by its safety device.



| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 24-201-10 ... | MTT ledger 257..... | 9.40 |
| 24-201-20 ... | MTT ledger 140..... | 5.40 |
| 24-201-25 ... | MTT ledger 109..... | 4.00 |
| 24-201-30 ... | MTT ledger 45..... | 2.40 |

MTT ledger 190 wedge head

Is used as a guard rail on the stair tower's top level. With u-fork or rigid coupler.

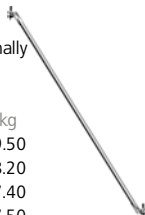


| Ref. No. | Description / Application | kg |
|---------------|--------------------------------|------|
| 24-201-40 ... | MTT ledger 190 wedge head..... | 7.80 |

MEVA-FormSet

MTT diagonal brace

Steel. The diagonal braces with gib and cotter connections additionally brace the basic tower consisting of MTT standards and ledgers.



| Ref. No. | Description / Application | kg |
|---------------|---------------------------------|------|
| 24-202-10 ... | MTT diagonal brace 257/200..... | 9.50 |
| 24-202-11 ... | MTT diagonal brace 257/150..... | 8.20 |
| 24-202-12 ... | MTT diagonal brace 257/100..... | 7.40 |
| 24-202-20 ... | MTT diagonal brace 140/200..... | 7.50 |
| 24-202-21 ... | MTT diagonal brace 140/250..... | 6.90 |
| 24-202-22 ... | MTT diagonal brace 140/100..... | 5.90 |
| 24-202-15 ... | MTT diagonal brace 109/200..... | 7.00 |

MTT base spindle 60

With robust and self-cleaning knuckle thread. Colour and groove marks protect the thread from overwinding. Make sure to place the spindle on a basis strong enough to transfer the load. Adjustment range: 41 cm.



| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 24-202-60 ... | MTT base spindle 60 | 3.60 |

MTT base collar

The base collar with punched disc and the height-adjustable base spindle 60 are the foot of the tower. When assembling the tower, the MTT standards at the tower's bottom are plugged into the base collars.



| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 24-202-80 ... | MTT base collar | 1.41 |

MEVA-FormSet

MTT spindle holder

galvanized, safely connects the MTT base standard 221 with the base spindle 60 to prevent the spindle from falling down when the tower is lifted by crane.



| Ref. No. | Description / Application | kg |
|-----------|-----------------------------|------|
| 24-202-72 | ... MTT spindle holder..... | 0.80 |

MTT spindle attachment with wedge head

Secures the base collar and the base spindle 60 against falling off when crane-lifting the stair tower.



| Ref. No. | Description / Application | kg |
|-----------|---|------|
| 24-202-70 | ... MTT spindle attachment with wedge head..... | 2.00 |

MTT spigot

Is used to connect 2 MTT standards. Attachment with 4 hinged pins, dia. 12 mm.



| Ref. No. | Description / Application | kg |
|-----------|---------------------------|------|
| 24-202-76 | ... MTT spigot..... | 1.60 |

MTT hinged pin, D=12

Connects the MTT standards with each other.



| Ref. No. | Description / Application | kg |
|-----------|------------------------------|------|
| 24-202-90 | ... MTT hinged pin D=12..... | 0.10 |

MEVA-FormSet

MTT stair with landing Alu(minium)

Steps with a rise of 20 cm. Workers can ascend safely and without fatigue even when transporting material.

Admissible load: 200 kg/m².



| Ref. No. | Description / Application | kg |
|---------------|---|-------|
| 24-200-20 ... | MTT stairs with landing Alu 257/ 64 H200..... | 23.20 |
| 24-200-21 ... | MTT stairs with landing Alu 257/ 64 H150..... | 22.80 |
| 24-200-10 ... | MTT starting stair Alu H100..... | 14.80 |
| 24-200-23 ... | MTT stairs with landing Alu 50 | 11.20 |

MTT steel deck 257/32

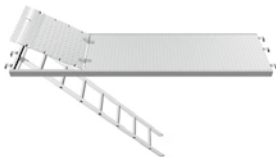
Perforated, antislip, with integrated swivelling safety device that prevents the deck from lifting and tilting. Is suspended on ledgers. The deck fulfills the requirements of the German standard DIN EN 12811.



| Ref. No. | Description / Application | kg |
|---------------|-----------------------------|-------|
| 24-200-50 ... | MTT steel deck 257/32 | 18.90 |

MTT access hatch 257

aluminium, 0,61m wide with integrated ladder.



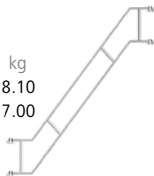
| Ref. No. | Description / Application | kg |
|---------------|----------------------------|-------|
| 24-200-60 ... | MTT access hatch 257 | 26.50 |

MEVA-FormSet

MTT stair rail

Is used as a fall-down protection.

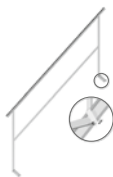
| Ref. No. | Description / Application | kg |
|---------------|------------------------------|-------|
| 24-200-70 ... | MTT stair rail 257 H200..... | 18.10 |
| 24-200-71 ... | MTT stair rail 257 H150..... | 17.00 |



MTT internal stair rail

Is used as a fall-down protection.

| Ref. No. | Description / Application | kg |
|---------------|------------------------------------|-------|
| 24-200-78 ... | MTT internal stair rail H200 | 12.50 |
| 24-200-79 ... | MTT internal stair rail H150 | 11.30 |
| 24-200-80 ... | MTT internal stair rail H100 | 10.20 |



MTT stair railings circulation MTT

Galvanized. Is used as a fall-down protection for stairs at mid-level.

| Ref. No. | Description / Application | kg |
|---------------|--------------------------------------|------|
| 24-200-95 ... | MTT stair railings circulation | 6.20 |



MTT stair rail adaptor

Is used to attach stair rails when no 1.40 m ledgers are available.

| Ref. No. | Description / Application | kg |
|---------------|------------------------------|------|
| 24-202-85 ... | MTT stair rail adaptor | 0.70 |



MEVA-FormSet

MTT stair rail post 130

Is used to attach the 1.90 m ledger, wedge head and U-fork.

| Ref. No. | Description / Application | kg |
|---------------|------------------------------|------|
| 24-200-90 ... | MTT stair rail post 130..... | 6.10 |



MTT wall tie 95

Scaffolds and stair towers must be anchored vertically and parallel to the facade of a building. Anchoring must be a pressure-proof and high-tensile. To achieve this, the wall tie 95 must be attached to the MTT standard with a coupler and its Y-sheet be supported by ledger's U-profile.

| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 24-202-50 ... | MTT wall tie 95 | 3.70 |



MTT swivel nut

Galvanized. Is used for anchoring at the building wall.

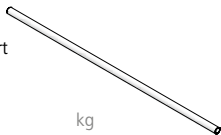
| Ref. No. | Description / Application | kg |
|---------------|-------------------------------------|------|
| 24-202-97 ... | MTT swivel nut 12 x 350, galv. | 0.38 |



Scaffold tube

Galvanized. Is used to reinforce large-size units of support frames or climbing scaffolds for crane ganging.

| Ref. No. | Description / Application | kg |
|---------------|---------------------------|-------|
| 29-412-23 ... | Scaffold tube 48/200..... | 9.40 |
| 29-412-26 ... | Scaffold tube 48/300..... | 14.10 |
| 29-412-27 ... | Scaffold tube 48/400..... | 18.80 |
| 29-412-25 ... | Scaffold tube 48/500..... | 23.50 |
| 29-412-28 ... | Scaffold tube 48/600..... | 28.20 |



MEVA-FormSet

Swivel-joint coupler 48/48

Galvanized. Connects two scaffold tubes with Ø 48.3 mm at any angle.



| Ref. No. | Description / Application | kg |
|---------------|---------------------------------|------|
| 29-412-52 ... | Swivel-joint coupler 48/48..... | 1.20 |
| 29-412-51 ... | Swivel-joint coupler 48/34..... | 1.20 |
| 29-412-53 ... | Swivel-joint coupler 48/60..... | 1.20 |

Rigid coupler 48/48

Galvanized. Connects 2 scaffold tubes with Ø 48.3 mm at an angle of 90° (SW 22).



| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-412-50 ... | Rigid coupler 48/48..... | 1.10 |

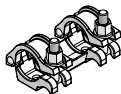
Swivel-joint coupler 48/63

Not shown. Galvanized. Connects a scaffold tube with Ø 48.3 mm and one with Ø 63 mm at any angle required.

| Ref. No. | Description / Application | kg |
|---------------|---------------------------------|------|
| 29-412-54 ... | Swivel-joint coupler 48/63..... | 1.80 |

Joint coupler 48/48 (SW 22)

Galvanized. Allows scaffold tubes Ø 48.3 mm to be attached at tube joints. Is used together with a tube connector 48.



| Ref. No. | Description / Application | kg |
|---------------|----------------------------------|------|
| 29-412-55 ... | Joint coupler 48/48 (SW 22)..... | 1.40 |

MEVA-FormSet

Tube connector 48

Galvanized. Supplement to rigid coupler 48/48. Is used to reinforce the joint of two tubes.



| Ref. No. | Description / Application | kg |
|-----------|-----------------------------|------|
| 29-412-57 | ... Tube connector 48 | 1.10 |

MTT toe board

wood, for steel decks with O-shaped suspension, used for longitudinal and front sides.



| Ref. No. | Description / Application | kg |
|-----------|-----------------------------|------|
| 24-200-88 | ... MTT toe board 109 | 2.50 |
| 24-200-86 | ... MTT toe board 257 | 5.70 |

Bolt-on coupler 48/M14

Galvanized. Connects scaffold tubes with Ø 48.3 mm to the support frame, scaffolding bracket, etc.



| Ref. No. | Description / Application | kg |
|-----------|----------------------------------|------|
| 40-080-70 | ... Bolt-on coupler 48/M14 | 0.60 |

Flange clamp 40

Galvanized. Is used to connect two steel profiles with flanges. Clamping length 0 - 40 mm. Width 57 mm.



| Ref. No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-207-35 | ... Flange clamp 40 | 1.20 |

MEVA-FormSet

MAB MEVA working platform

For work at low heights. Basic scaffold made of aluminium for alternating (first one side then the other) plug-in assembly; aluminium railings and diagonal braces can be easily and securely installed. Working floors made up of an aluminium frame and plywood inserts, also as an access bridge for safe internal access. Sturdy swivel-type castors (permanently mounted) for a high level of stability. Equipped with scaffold props. Working height 4.61 m, scaffold height 3.83 m, platform height 2.61 m. The permissible loading is 2.0 kN/m² on a maximum of one working level (scaffold group 3 according to DIN EN 1004:2005)



| Ref. No. | Description / Application | kg |
|-----------|------------------------------------|--------|
| 29-919-00 | ... MAB-MEVA-Working platform..... | 145.50 |

Formwork-prop connector

Galvanized. Is used to connect a Triplex brace to the multi-function profile with a flange screw 18. Delivery includes head bolt 16/90 and cotter pin 4.



| Ref. No. | Description / Application | kg |
|-----------|-----------------------------------|------|
| 29-804-85 | ... Formwork-prop connector | 1.65 |

MEVA-FormSet

Push-pull prop R

Galvanized. Guarantee tensile and compression strength. Align and brace wall formwork. Length of thread 20.6 cm. Foot plates and formwork-prop-connectors to be ordered separately.



| Ref. No. | Description / Application | kg |
|-----------|---------------------------------------|-------|
| 29-109-40 | ... Push-pull prop R 160..(135-200) | 12.60 |
| 29-109-60 | ... Push-pull prop R 250..(190-320) | 17.20 |
| 29-109-65 | ... Push-pull prop SST 250, (190-320) | 17.20 |
| 29-109-80 | ... Push-pull prop R 460 .(340-520) | 34.00 |
| 29-109-85 | ... Push-pull prop R 630..(510-760) | 57.00 |

Brace SRL

Galvanized. Guarantees tensile and compression strength. Consists of a right and left-hand spindle as well as a revolving central part. Is used to align and support wall formwork. The footplate and the formwork-prop connector must be ordered separately.



| Ref. No. | Description / Application | kg |
|-----------|--------------------------------------|-------|
| 29-108-80 | ... Brace SRL 120(90-150)..... | 8.79 |
| 29-108-90 | ... Brace SRL 170(120-220) | 11.50 |

Double-jointed foot plate

Galvanized. Delivery includes head bolt 16/90 and cotter pin 4. Serves as foot plate for brace frames 250 and as connector for braces and push-pull props up to Ø 57 mm.



| Ref. No. | Description / Application | kg |
|-----------|-------------------------------|------|
| 29-402-32 | ... Double-jointed foot plate | 4.00 |

MEVA-FormSet

Head bolt 16/90

Galvanized. Is used to attach push-pull props and braces to foot plates and formwork-prop connectors.



| Ref. No. | Description / Application | kg |
|-----------|---------------------------------|------|
| 42-413-50 | ... Head bolt 16/90, galv. | 0.17 |

Cotter pin 4

Galvanized. Locks the head bolt.



| Ref. No. | Description / Application | kg |
|-----------|---------------------------|------|
| 62-010-04 | ... Cotter pin 4..... | 0.02 |

End plate connector DW15

Made of steel, painted in red (RAL 3020), overall width 50 mm, with DW15 thread, for tensioning by means of DW15 tie rods, suitable for MEVA foot plates. The tie rod must be screwed completely through the nut of the end plate connector and must not be used for adjustment. The load capacity in connection with MEVA foot plates has to be calculated for each project.

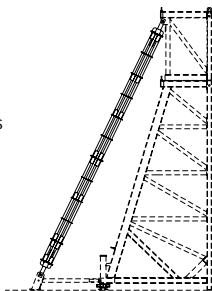


| Ref. No. | Description / Application | kg |
|-----------|------------------------------------|------|
| 29-922-80 | ... End plate connector DW15 | 1.40 |

MEVA-FormSet

Triplex SB

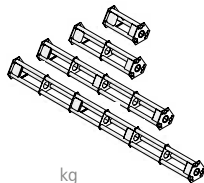
Galvanized. Triplex SB braces are primarily used for additional load transfer when forming single-sided walls of 6.00 m or higher with support frames STB 450 and extensions 150. Triplex SB braces are delivered as modules without foot plates or formwork-prop connectors and are assembled on site to the required length. The necessary connecting bolts are provided with the height and base extensions. Triplex SB 630 can be ordered pre-assembled. Each Triplex SB 780/880/980 requires one SB 300 right/left-hand thread and an intermediate piece SB 100, 200 or 300 respectively.



| Ref. No. | Description / Application | kg |
|---------------|--|--------|
| 29-407-00 ... | Triplex SB 630 | 140.00 |
| 29-407-15 ... | Triplex SB 300 (right-hand thread) | 71.00 |
| 29-407-17 ... | Triplex SB 300 (left-hand thread) | 71.00 |

Triplex intermediate pieces SB

Galvanized basic components of different lengths to build Triplex SB units. Tube Ø 48.3 mm. Delivery includes the required connecting material (hexagonal screws M16 x 40 and locking nuts M16).



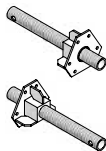
| Ref. No. | Description / Application | kg |
|---------------|---|-------|
| 29-407-30 ... | Triplex intermediate piece SB 50 | 15.21 |
| 29-407-35 ... | Triplex intermediate piece SB 100 | 22.14 |
| 29-407-40 ... | Triplex intermediate piece SB 200 | 37.72 |
| 29-407-45 ... | Triplex intermediate piece SB 300 | 53.30 |

| | | |
|---------------|---|------|
| 63-120-49 ... | Hexagonal screw M16 x 40, galv., DIN 933 | 0.09 |
| 63-130-00 ... | Hexagonal locking nut M16, galv., DIN 985 | 0.03 |

MEVA-FormSet

Top unit 73

Galvanized. With adjustable spindle (Ø 73 mm). 1 top unit 73 left and 1 top unit 48 right are required to assemble a Triplex brace. Top unit 73 right includes hexagonal screws M16 x 40 and locking nuts M16.



| Ref. No. | Description / Application | kg |
|-----------|---|-------|
| 29-407-25 | ... Top unit 73 (left-hand thread) black spindle..... | 18.60 |
| 29-407-20 | ... Top unit 73 (right-hand thread) silver spindle..... | 19.00 |

Foot plate 73

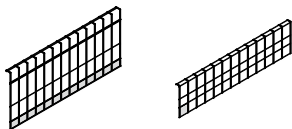
Galvanized. Particularly sturdy foot plate for Triplex SB. Delivery includes screw M30 x 150 and nut M30.



| Ref. No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-407-74 | ... Foot plate 73..... | 9.60 |

Safety mesh ... /2490

Painted steel. Robust steel mesh with reinforced edges and closed steel sheet to prevent small items from falling down. The mesh replaces railings, toe board and net in one single part. DIN EN 13374 Class A.



| Ref. No. | Description / Application | kg |
|-----------|---------------------------------|-------|
| 29-920-00 | ... Safety mesh 1100/2490 | 15.00 |
| 29-920-05 | ... Safety mesh 600/2490 | 9.80 |

MEVA-FormSet

Tension belt

Not shown. For safety against wind load. 50 mm wide, reinforced loop 200 mm, cranked snap hook with safety flap, DIN EN 12195. Adm. load: 25 kN (straight), 50 kN (strapped). Is attached to climbing bracket KLK or bracket extension and with safety eye to concrete wall. This can be done at the cone from the previous pour.

| Ref. No. | Description / Application | kg |
|-----------|---|------|
| 29-930-10 | ... Tension belt with hook and loop | 3.80 |
| 29-930-15 | ... Tension belt with hook on both ends | 3.90 |

Holding plate

Galvanised, for base plates and slab edge formwork up to the height of 50 cm. With integrated nailing strip. Fixing in the ground with soil nail. Fixing in the base plate with anchor dowel.

| Ref. No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-930-95 | ... Holding plate | 0.61 |



Side protection net 200/1000

Not shown. Size 2,00 m x 10,00 m, mesh width 100 mm, red colour. Integrated quick-release belt fasteners allow for a quick assembly of the protection net. Complies with German DIN 4420 standard and is approved by building authorities.

| Ref. No. | Description / Application | kg |
|-----------|---------------------------------------|------|
| 29-108-60 | ... Side protection net 200/1000..... | 6.50 |

Quick-release belt fastener

Not shown. Allows for a quick assembly of side protection nets. Length 55 cm, belt width 25 mm, red colour. Approved by building authorities.

| Ref. No. | Description / Application | kg |
|-----------|---------------------------------------|------|
| 29-108-65 | ... Quick-release belt fastener | 0.01 |

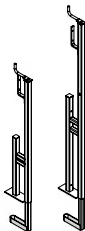
MEVA-FormSet

MFS

Railing clamp

Coated. Can be clamped to all types of beams and to free slab edges. Railing clamp 100: 100 cm high, clamping length 45 cm. Railing clamp 140: 140 cm high, clamping length 50 cm.

| Ref. No. | Description / Application | kg |
|-----------|----------------------------|------|
| 29-107-20 | ... Railing clamp 100..... | 6.60 |
| 29-107-25 | ... Railing clamp 140..... | 9.40 |



Guardrailing post

Galvanized. Is plugged into the walkway bracket.

| Ref. No. | Description / Application | kg |
|-----------|----------------------------------|------|
| 29-106-75 | ... Guard-railing post 100 | 3.70 |
| 29-106-85 | ... Guard-railing post 140 | 4.70 |



Guardrailing post 48

Galvanized. With manifold to be plugged into the walkway bracket and with 48 mm Ø tube to attach scaffold couplers.

| Ref. No. | Description / Application | kg |
|-----------|---|------|
| 29-106-80 | ... Guard-railing post 48/120 (UK)..... | 5.50 |



MEVA-FormSet

Universal shoe MFS

Galvanised; forms a fall protection device in conjunction with the MEVA guardrailing post and the safety mesh MFS. Can be used to provide lateral protection on horizontal and vertical components.



| Ref. No. | Description / Application | kg |
|-----------|------------------------------|------|
| 29-921-72 | ... Universal shoe MFS | 2.10 |

Clamp for Guardrailing post

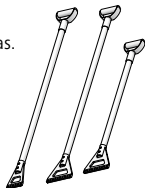
Galvanized. Sliding part with spindle. suited for all common MEVA guardrailing posts (round and square). Adjustment range 0 - 45 cm. Usable for stop ends at slab edges and parapets.



| Ref. No. | Description / Application | kg |
|-----------|---|------|
| 29-107-35 | ... Universal clamp for guard rail post | 9.80 |

Concrete scraper

To remove remnants of concrete and other deposits on larger areas. with 6 or 10 replaceable hard metal plates. a ledge made of tool steel and wooden handle.



| Ref. No. | Description / Application | kg |
|-----------|-------------------------------------|------|
| 29-905-25 | ... Concrete scraper 102/1300 | 1.50 |
| 29-905-30 | ... Concrete scraper 170/ 850 | 1.60 |
| 29-905-20 | ... Concrete scraper 170/1300 | 1.90 |

MEVA-FormSet

Concrete scraper – frame

To remove remnants of concrete on panel frames and alkus sheets, with 3 replaceable hard metal plates, a ledge made of tool steel and wooden handle.



| Ref. No. | Description / Application | kg |
|---------------|--------------------------------|------|
| 29-905-17 ... | Concrete scraper 54/1300 | 1.20 |

Concrete scraper – alkus

With convex edged blade. to scrape rough areas on alkus sheets. e.g. nail holes or scratches. It is only of limited use for removing remnants of concrete.



| Ref. No. | Description / Application | kg |
|---------------|---------------------------------------|------|
| 29-905-15 ... | Concrete scraper 110/1300 alkus | 0.80 |

Spare ledge

Not shown. Replaceable steel ledge.

| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-905-40 ... | Spare ledge 170 | 0.10 |
| 29-905-45 ... | Spare ledge 102 | 0.10 |

Hard-metal plates

Not shown. Set of 6 spare plates with bolts and nuts.

| Ref. No. | Description / Application | kg |
|---------------|---------------------------|------|
| 29-905-35 ... | Hard-metal plates..... | 0.13 |

MEVA-FormSet

Divinol Wax

Not shown. Paste-like solvent-based wax suitable for all formwork (wood, steel, plastic-coated). Rain resistant. Recommended for use on the XT taper ties.

| Ref. No. | Description / Application | kg |
|-----------|-----------------------------|------|
| 29-203-30 | ... Divinol pasty wax | 1.10 |

MevaTrenn classic

Not shown. Universal release agent that can be applied to all types of facing. Usable for civil engineering and building projects as well as in precast concrete factories. Without solvents. Fast biodegradable according to CEC-L-33-A-94. Viscosity is 17 mm²/s/20°C.

Water hazard class 1.

| Ref. No. | Description / Application | kg |
|-----------|--|------|
| 29-931-50 | ... MevaTrenn classic (20 l can) | 1.00 |
| 29-931-60 | ... MevaTrenn classic (200 l barrel)..... | 1.10 |
| 29-931-70 | ... MevaTrenn classic (1000 l barrel)..... | 1.04 |

MevaTrenn pro

Not shown. Suited for absorbent and non-absorbent forming faces. Solvent-based. Evaporates when applied, leaving a very thin film of release agent on the facing. Especially recommended for formwork with alkali facing (apply sparingly by using the stainless steel jet).

Water hazard class 1, i.e. generally not hazardous to water.

Consumption: 1 litre for approx. 50 - 90 m².

| Ref. No. | Description / Application | kg |
|-----------|---|------|
| 29-203-45 | ... MevaTrenn pro (20 l can)..... | 1.00 |
| 29-203-97 | ... MevaTrenn pro (200 l barrel) | 0.90 |
| 29-203-98 | ... MevaTrenn pro (1000 l barrel) | 1.02 |

MEVA-FormSet

MevaTrenn eco

Not shown. MevaTrenn eco carries the EU Ecolabel of RAL gGmbH and fulfils Giscode BTM 10. Release agent based on environmentally neutral ester oils that contains no mineral oils or solvents and is not water-polluting. Suitable for all formwork up to a working temperature of 70°. Can be used up to DGNB quality level 3 according to the manufacturer.

| Ref. No. | Description / Application | kg |
|-----------|------------------------------------|------|
| 29-931-75 | ... MevaTrenn eco (20 l can) | 1.00 |

Sprayer

Not shown. To allow for an even and sparing spraying of the forming surface, suited for (5 litre) MevaTrenn and wax.

| Ref. No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-903-71 | ... MevaSprayer | 5.50 |

Stainless steel jet

Not shown. For an evenly spread thin layer of MevaTrenn on alkus sheets which evaporates quickly. Sprays 0.26 l at 3 Bar.

| Ref. No. | Description / Application | kg |
|-----------|-------------------------------|------|
| 29-203-94 | ... Stainless steel jet | 0.10 |

Tap for barrel

Not shown. Suitable for a 1000 l container of MevaTrenn, it permits easy filling of smaller bins.

| Ref. No. | Description / Application | kg |
|-----------|---------------------------|------|
| 29-203-99 | ... Tap for barrel | 0.20 |

MEVA-FormSet

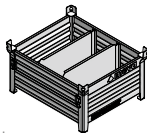
Tap for can

Not shown. Suitable for a 20 l container of MevaTrenn, it permits easy filling of smaller bins.

| Ref. No. | Description / Application | kg |
|-----------|----------------------------|------|
| 29-203-49 | ... Tap for 20 l can | 0.30 |

Storage box 120/100

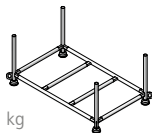
Coated. Stackable. Can be used to store assembly locks, anchoring parts and other accessories. With removable partitions and a hinged front part. Stacking height 60 cm.



| Ref. No. | Description / Application | kg |
|-----------|------------------------------------|--------|
| 27-000-10 | ... MEVA storage box 120/100 | 102.00 |

Stacking rack

Coated. Is used to store and transport props, wooden girders, etc.



| Ref. No. | Description / Application | kg |
|-----------|---------------------------|-------|
| 27-000-20 | ... Stacking rack | 34.56 |

MEVA packing crate

Not shown. Wooden packaging for MEVA accessories. Height 80 cm (50 cm). L x W 120 x 80 cm.

| Ref. No. | Description / Application | kg |
|-----------|---------------------------------|-------|
| 27-000-90 | ... Meva packing crate 80 | 48.00 |
| 27-000-92 | ... Meva packing crate 50 | 38.00 |

MEVA-FormSet

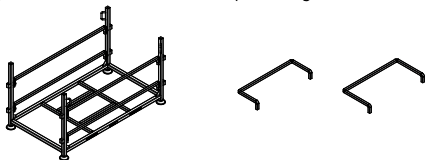
End plate connector DW15

Made of steel, galvanized. The rack is used to stack formwork panels (placed vertically, side by side) and is provided with crane eyes.

For 10 panels with a profile height of 10 cm or 8 panels with a profile height of 12 cm.

4 retaining brackets 270/405 are used for panel height 270 cm.

4 retaining brackets 300/555 are used for panel height 300 cm



| Ref. No. | Description / Application | kg |
|---------------|------------------------------------|-------|
| 29-132-70 ... | Eco stacking rack for panels | 85.00 |
| 29-132-72 ... | Eco retaining bracket 270/405..... | 2.00 |
| 29-132-74 ... | Eco retaining bracket 300/555..... | 3.00 |

Filling nozzle

Is used when concrete can-not be poured from above. e.g. tunnel formwork. Connection with a manual gate valve.

Operating pressure: 20 bar.



| Ref. No. | Description / Application | kg |
|---------------|---|-------|
| 29-914-50 ... | Manual gate valve SK 100 - 4½ | 19.00 |
| 29-207-60 ... | Lever coupling SK-H DN 100 - 4½ | 3.80 |
| 29-207-50 ... | Filling nozzle cleaner SK 100/800 | 7.20 |
| 29-914-45 ... | Manual gate valve SK 125 - 5½ | 15.60 |
| 29-207-65 ... | Lever coupling SK-H DN 125 - 5½ | 5.10 |
| 29-207-55 ... | Filling nozzle cleaner SK 125/800 | 9.60 |

MEVA-FormSet

Complete alkus-repair set

A complete set for the repair of alkus facing. All items can also be ordered separately.



| Ref. No. | Description / Application | kg |
|---------------|--|-------|
| 29-912-01 ... | Complete alkus repair kit 230 V..... | 42.80 |
| 29-912-40 ... | Munsch Mini Extruder, 230 V, 4 mm PP..... | 5.50 |
| 29-912-20 ... | Metabo paint stripper..... | 2.20 |
| 29-912-22 ... | Spare blade for Metabo paint stripper..... | 0.01 |
| 29-912-35 ... | Drill stand GDP 320 with guide..... | 3.40 |
| 29-912-30 ... | Metabo BDE 1100 230V drilling machine..... | 3.70 |
| 29-912-50 ... | Special step drill Ø 35/25..... | 0.10 |
| 29-912-55 ... | HM cylinder head drill Ø 35..... | 0.10 |
| 29-912-75 ... | Side cutting pliers..... | 0.20 |
| 29-912-80 ... | Depth gauge 6 mm..... | 0.04 |
| 29-912-90 ... | Tool to remove rivets..... | 0.39 |
| 40-092-60 ... | Head for tool to remove rivets..... | 0.01 |
| 29-912-70 ... | Scraper..... | 0.10 |
| 29-912-92 ... | alkus Alu-cone, Ø 22/20 mm, l. 70 mm..... | 0.07 |
| 45-010-16 ... | alkus AS-conical tube, Ø 29/24 mm, l. 103 mm... .. | 0.05 |
| 29-912-65 ... | Picard Claw-hammer..... | 0.80 |
| 29-912-66 ... | Forum soft-head hammer, blow-back proof..... | 1.10 |
| 29-913-10 ... | Repair plug 23..... | 0.01 |
| 29-913-15 ... | Repair plug 20..... | 0.01 |
| 29-913-20 ... | Repair plug 17..... | 0.01 |
| 29-913-25 ... | Repair patch D 35..... | 0.01 |
| 29-912-94 ... | Welding wire PP 4 mm, 500 m..... | 7.65 |
| 29-912-67 ... | Protective glasses classic..... | 0.20 |
| 29-912-68 ... | Protective gloves H+..... | 0.20 |

MEVA-FormSet

Rotation cleaner STR 702 complete set

Not shown. For cleaning alkus facing. Includes: Rotation cleaner STR 702, alkus Drive disc incl. hook-and-loop fastener, alkus Hose holder, with tap and Additional weight for rotation cleaner.

| Ref. No. | Description / Application | kg |
|-----------|---|-------|
| 28-506-05 | ... Rotation cleaner STR 702 complete set..... | 95.00 |
| 28-506-00 | ... Rotation cleaner STR 702 | 65.00 |
| 29-916-10 | ... alkus drive disc for pads | 4.25 |
| 29-916-15 | ... alkus Hose holder with tap..... | 1.00 |
| 28-506-10 | ... Additional weight for rotation cleaner..... | 24.00 |
| 28-502-35 | ... Cleaning grid D406 mm / M60 | 0.10 |
| 28-502-36 | ... Cleaning grid D406 mm / M120 | 0.10 |
| 28-502-37 | ... Cleaning grid D406 mm / M180 | 0.10 |
| 28-502-38 | ... Cleaning grid D406 mm / M220 | 0.10 |
| 28-502-39 | ... Cleaning grid D406 mm / M320 | 0.10 |
| 28-502-40 | ... Grinding disc ST40F-D410 mm-KG40-D025 | 0.41 |
| 28-506-90 | ... Cleaning brush d = 420 mm | 4.10 |
| 28-506-95 | ... Formwork paste S10 | 1.00 |
| 28-502-30 | ... Cleaning pad | 0.10 |
| 28-502-32 | ... Cleaning pad D406 blue..... | 0.10 |

Alu suitcase

Not shown. Case for MEVA sample parts.

| Ref. No. | Description / Application | kg |
|-----------|--|------|
| 28-100-10 | Alu suitcase 670 x 470 x 280..... | 6.80 |

Alu-robust-case

Not shown. Case for alkus-repair set.

| Ref. No. | Description / Application | kg |
|-----------|--|-------|
| 28-100-12 | Alu-robust-case 84 x 54 x 37 cm | 16.00 |

| | |
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| DK-Holbæk | Tel. +45 56 311855 |
| FR-Sarreguemines | Tel. +33 387 959938 |
| GB-Tamworth | Tel. +44 1827 60217 |
| HU-Budapest | Tel. +36 1 2722222 |
| IN-Mumbai | Tel. +91 22 27563430 |
| LATAM | latam@meva.net |
| LU-Rodange | Tel. +352 20 283747 |
| MA-Casablanca | Tel. +212 684-602243 |
| MY-Perak | Tel. +60 12 5209337 |
| NL-Gouda | Tel. +31 182 570770 |
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| QA-Doha | Tel. +974 4006 8485 |
| SG-Singapore | Tel. +65 67354459 |
| US-Springfield | Tel. +1 937 3280022 |



MEVA Schalungs-Systeme GmbH

Industriestrasse 5
72221 Haiterbach
Deutschland

Tel. +49 7456 692-01
Fax +49 7456 692-66
info@meva.net

www.meva.net