SUNBELT® RENTALS

FORMWORK & FALSEWORK PRODUCT DIRECTORY

WE PROVIDE A FORMWORK & FALSEWORK SOLUTION FOR PROJECTS OF ALL SIZES.

Sunbelt Rentals is a specialist provider in the rental of Formwork and Falsework solutions.

We work with contractors of all sizes to provide engineered solutions to projects, from small retaining walls to high-rise concrete frames. We also offer a specialist service in the rental of heavy-duty propping solutions.

Sunbelt Rentals are the exclusive UK rental partner of MEVA Formwork Systems, meaning we offer the most advanced Formwork and Falsework systems available. This ensures your projects are delivered on-time, within budget, and completed safely.

Our dedicated engineering and design team provide tailored solutions to meet your Formwork and Falsework requirements. At our regional depots we hold large stocks of equipment, ready to dispatch to your project.

CONTENTS

FORMWORK

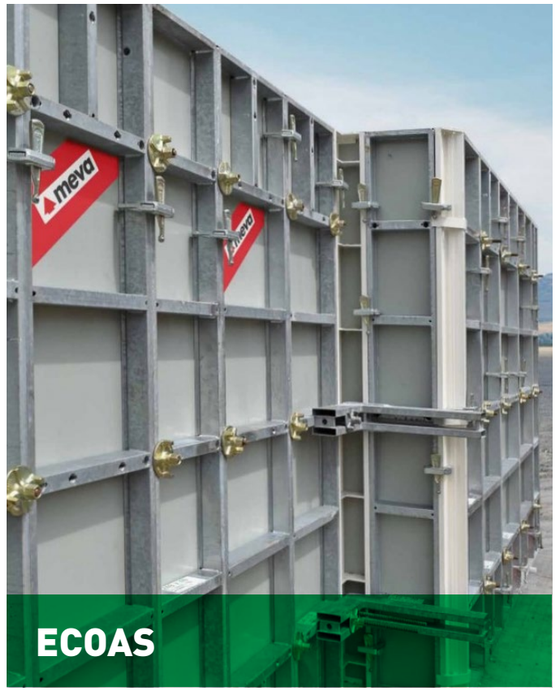
ECOAS
A light-weight modular formwork system with 50 kN capacity for the efficient forming of walls and columns and can be moved by hand. The galvanised closed-section steel frame profile and Alkus composite formface reduce concrete adhesion and thus cleaning costs

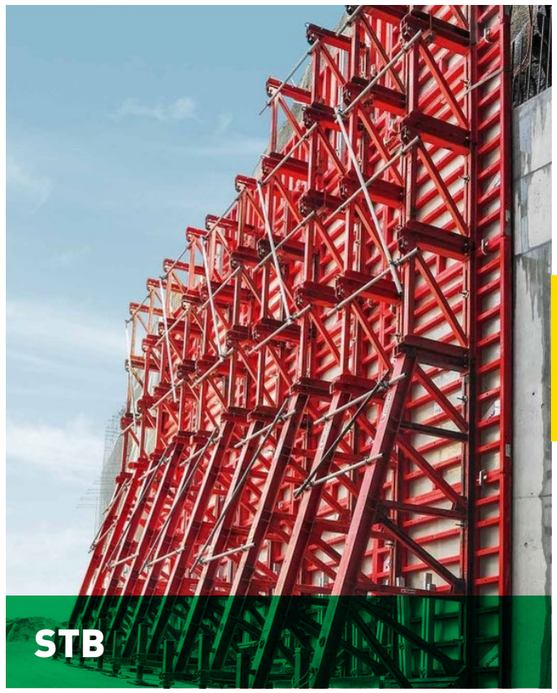
MAMMUT 350
A heavy-duty, large panel system with panel sizes up to 3.5 m x 2.5 m and a 100 kN capacity allowing one-shot casting of up to 5 m. With a wide range of applications across the build and Civil Engineering sectors, Mammut 350 delivers the ultimate combination of cost-effectiveness and flexibility. Mammut 350 has a galvanised frame and Alkus formface.

STB
STB heavy-duty single-sided formwork modular support frames are used in combination with Mammut heavy-duty formwork panels to provide market-leading capacity in single-sided wall applications up to 6 m.

RADIUS
A flexible ready-to-use steel-faced circular formwork system for structures with a radius of more than 250 cm. Radius provides ultimate flexibility for circular structures with a 60 kN capacity and compatibility with Mammut 350.

CLIMBING FORMWORK
Sunbelt Rentals offer a number of MEVA climbing formwork systems to match your project rewuirment. Crane-Lifted, Crane-Lifted Captive Rail, and Crane-Independent Hydraulic climbing are available.





FALSEWORK

MEP SHORING TOWERS

MEP is a versatile aluminium modular shoring system for supporting slab formwork, slab tables, beams and precast units for heights up to 21 m. They are used in combination with Super A-Beam or MEVADec for efficient, cost-effective slab solutions. The built-in SAS quick-lowering system releases the load from the prop with a single hammer-blow.

MEVADEC

MEVADec is an ergonomic, quick-strip panelised slab formwork system. The standard 160 x 80 cm panel size proves suitable for almost all requirements and boasts a weight of only 16 kg/m^2. Combined with either MEP shoring towers or MD/ME Steel Euro Props, it provides highly cost-effective, high-speed solutions for slabs.

MEP SHORING TOWERS

MEVADEC SLAB FORMWORK

A system perfect for multi storey use with its quick strip system.

CASE STUDY

WASTE TRANSFER STATION

CASE STUDY : CASTLE CARY, SOMERSET

SECTOR
Renewables

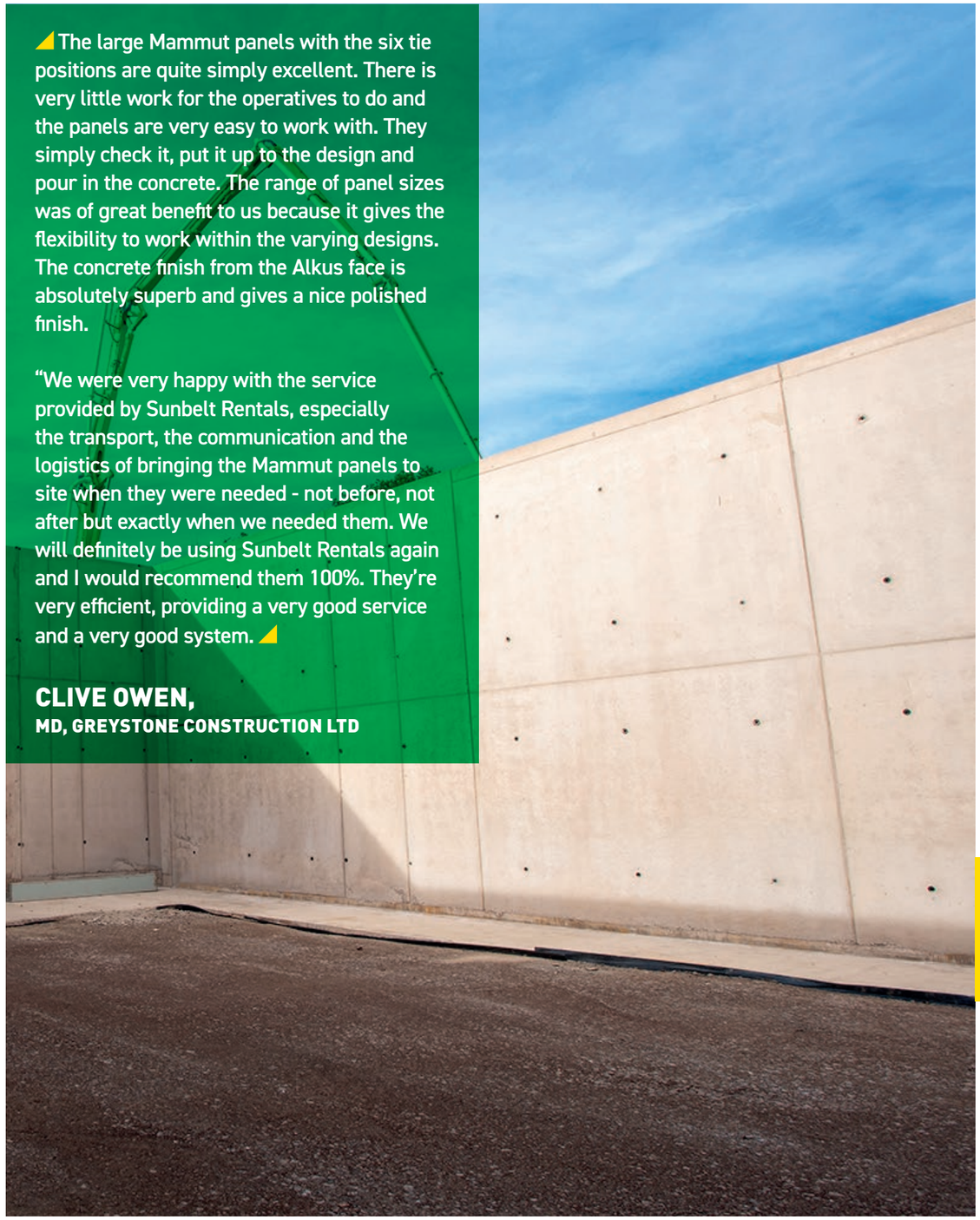
PRODUCTS
Mammut 350 High Capacity Formwork

A waste transfer station was constructed for Viridor Waste Management Ltd at a landfill site near to Castle Cary in Somerset. The work included the part demolition of existing structures, and the temporary support and extension of a steel framed building with reinforced concrete waste handling bays, together with external works improvements for the reconfigured facility. The new facility will increase Viridor's handling capacity of Somerset County waste. The construction contract has been awarded to Britannia Construction and Greystone Construction has been involved in the formwork side of the contract.

This was a challenging project involving a large concrete pour, the use of different formwork panel sizes and the requirement for an excellent concrete finish. In order to meet construction schedules, time was also of the essence.

The galvanised Mammut 350 Formwork panel system was chosen for this project as it is especially suited for use on very large and high structures, allowing rapid concrete pours with a concrete load capacity of 100kN/m² and any rate of pouring up to a height of 4m, irrespective of ambient temperature or concrete composition. Protected with a hot dip galvanized coating, the galvanizing method used provides the panels with technically the best possible coating solution and corrosion protection to the equipment.
The concrete finish was critical on this project and due to the Alkus face, the Mammut 350 Formwork system ensured an even joint pattern of the concrete surface, delivering a smooth, clean, consistent and even concrete finish. The speed with which the panels could be erected was also a distinct advantage. As an example, if the contractor has six large panels in a wall with six tie positions, it only takes 6 x 20 minutes to put them up.

Greystone Construction were absolutely delighted with the ease of using the Mammut 350 Formwork system and its speed and efficiency in use. They were also extremely pleased with the polished finish achieved on the concrete.



"The large Mammut panels with the six tie positions are quite simply excellent. There is very little work for the operatives to do and the panels are very easy to work with. They simply check it, put it up to the design and pour in the concrete. The range of panel sizes was of great benefit to us because it gives the flexibility to work within the varying designs. The concrete finish from the Alkus face is absolutely superb and gives a nice polished finish.

"We were very happy with the service provided by Sunbelt Rentals, especially the transport, the communication and the logistics of bringing the Mammut panels to site when they were needed - not before, not after but exactly when we needed them. We will definitely be using Sunbelt Rentals again and I would recommend them 100%. They're very efficient, providing a very good service and a very good system."

CLIVE OWEN,
MD, GREYSTONE CONSTRUCTION LTD

CASE STUDY

P COLOHAN & CO LTD - KING GEORGE'S GATE, SIGNAL PARK

TOLWORTH, SOUTH WEST LONDON

SECTOR
Construction

PRODUCTS
MEP Shoring System and Mammut 350 High Capacity Formwork

P Colohan & Co Ltd have started construction on the first phase of their development at Signal Park in Tolworth, South West London. Bringing this long empty site into use will provide hundreds of homes over coming years and make a huge difference to the community.

The 11-acre site of former government offices, and the famous Toby Jug pub, has been vacant for almost 20 years and is directly adjacent to Tolworth station. This new development will address housing need in the local area, with the first phase providing 211 homes and later phases providing a further 739 homes.

P Colohan's scope on this scheme includes the groundworks, RC frame packages, and the hard landscaping works.

THE CHALLENGE

P Colohan & Co Ltd required equipment to support the formation of concrete slabs in a horizontal position, along with the moulds to create the columns for the main structure. The construction site is positioned between a railway line and a hectic city centre road. When delivering equipment to the site, the impact on the local residents needed to be kept to a minimum, and any disruption to the local community avoided.

THE SOLUTION

After an initial site visit, a Sunbelt Rentals engineer provided a temporary works design and drawings to P Colohan & Co Ltd, which provided important information concerning the use of the equipment and where it should be positioned.

Sunbelt Rentals supplied an MEP shoring system for the project; this is a modular system that can support heavy loads and the construction of slabs and beams at any height. The MEP shoring system is lightweight and can be quickly dismantled with a single hammer blow; this releases the load from the prop so that it can be easily removed. Mammut 350, a large wall panel system, was also provided and was used to pour concrete to make the columns.

THE RESULTS

P Colohan & Co Ltd chose this temporary formwork and falsework solution for the project due to its ease of use for supporting slab formwork and preparing for the concrete pour. The built-in quick lowering system of the MEP Shoring towers allowed P Colohan & Co Ltd to quickly release the props and move them to the next area of the project. This was extremely beneficial to the customer from a productivity point of view.

> The equipment Sunbelt Rentals provided for P Colohan & Co Ltd was simple for them to use, and having a quick release system meant that there were no delays on the project.
>
> Stuart Warren
> Field Sales Executive/Engineer
> Sunbelt Rentals

END TO END SERVICE

TECHNICAL SALES

Our highly experienced technical sales staff are on call for on-site technical consultations to ensure you get the right formwork solution - the first time, every time. Site conditions, material handling, pour scheduling, and technical specifications will be discussed, and a workable solution will be agreed upon before the enquiry is passed to our engineering team.

ENGINEERING DEPARTMENT

Our engineering team are experts in designing solutions for all types and sizes of projects. From basic retaining walls through complicated civil engineering requirements to fast-cycle high-rise projects, we have the experience to deliver rapid solutions. Our detailed engineering drawings give you a clear guide to erecting your solution on site. We are proud to say that we process 95% of all customer enquiries within 24 hours.

LOGISTICS DEPOTS

Our depot network includes state of the art maintenance and cleaning facilities and handles on-time deliveries to sites. At Sunbelt Rentals, we pride ourselves on the quality of our rental fleet, and we are confident we lead the market when it comes to equipment maintenance standards. Intelligent scheduling and in-time deliveries mean you get the right kit at the right time to ensure the efficient progress of your project.

OUR PRIMARY FORMWORK & FALSEWORK DEPOTS

CHESTERFIELD
Carrwood Road, Sheepbridge Ind. Est, Chesterfield
S41 9AS
01246 455510

ROMFORD
King George Close, Romford
RM7 7PN
01708 730206

GLESPIN
Ayr Road, Glespin
M11 0SF
0141 445 5959

National Hire Desk
01246 455510

ECOAS

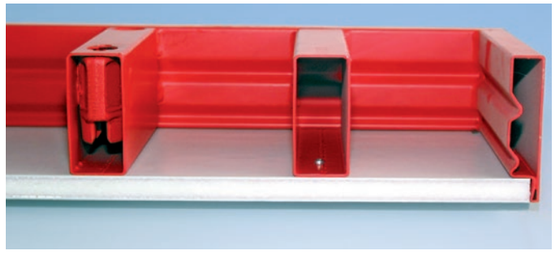
FOR FORMING SMALLER AREAS

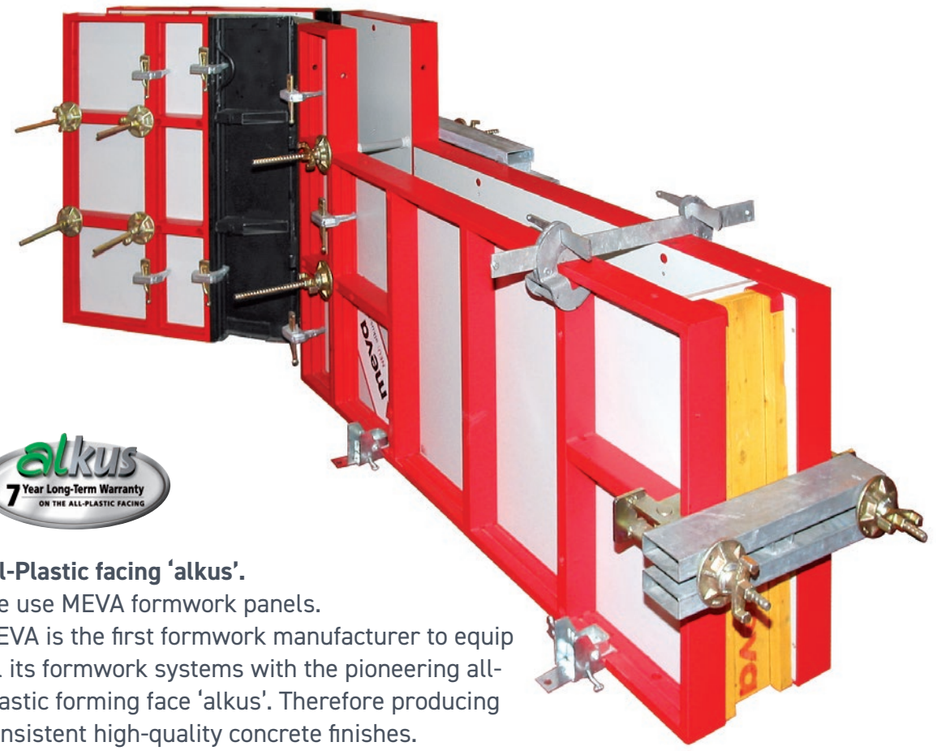
EcoAs is a versatile and compact hand-set frame formwork system for:

- Foundations
- Lift Shafts
- Concrete Beams
- Stairs
- Walls

Due to the compact construction all panels can be easily assembled by hand. The convenient tie hole positions are especially favourable when EcoAs is used to form foundations.

The frames are made of closed steel profiles; corrosion-resistant thanks to a special prime coating (KTL/ACC) and an annealed plastic coating. Multi-function profiles with Dywidag-threaded nuts allow for an easy, fast and safe attachment of accessories.





alkus 7 Year Long-Term Warranty ON THE ALL-PLASTIC FACING

All-Plastic facing ‘alkus’.
We use MEVA formwork panels.
MEVA is the first formwork manufacturer to equip all its formwork systems with the pioneering all-Plastic forming face ‘alkus’. Therefore producing consistent high-quality concrete finishes.

Features & Benefits

PANELS

FEATURES	BENEFITS
Panel heights from 800 mm to 1,600 mm, panel widths from 250 mm to 800 mm; for vertical or horizontal application	· Formwork projection always less than 400 mm · Reduction of filler areas · Fast adaptation to building layout
90° inside and outside corners and step less adjustment corners from 60°–180°	All corner configurations can be accomplished with standard corner panels
Panel 120/80 with alkus-facing weighs only 33 kg	Easily handled by hand

CONCRETE PRESSURE

FEATURES	BENEFITS
Maximum load capacity (acc. to DIN 18218): 50 kN/m² (pour pressure)	It is possible to pour the concrete up to panel height without considering the concrete mix, concrete consistency, temperature conditions or the rate of pouring

FRAME

FEATURES	BENEFITS
Frames made of closed, high-strength steel profiles	Torsion-proof, durable
Autophoretic chemical (ACC) or cataphoretic (KTL) prime coating and annealed, impact and scratch resistant plastic coating	· High corrosion protection · Less cleaning effort due to reduced concrete adhesion · Durable

MULTI-FUNCTION PROFILE

FEATURES	BENEFITS
Practical MEVA multi-function profile with weld-in nuts (Dywidag thread)	Easy attachment of accessories such as alignment rails, braces, scaffolding brackets, etc.

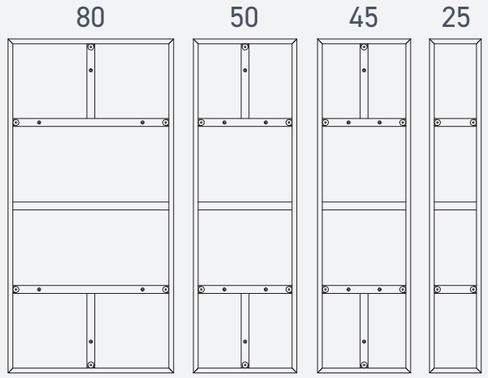
TIE HOLES, PANEL CONNECTION

FEATURES	BENEFITS
Tie hole with conical steel sleeve, welded at both sides	· Easy application of DW 15 tie rods · Durable; tying through even with inclined formwork
Tie holes: 2 per panel heights 1600mm and 1200mm	· Record forming of foundations · Convenient tie hole positions even for built-in foundation tapes
A push-pull strut can be attached above a panel joint to stabilise the panels when used to form foundations	· Top (wet) ties can be saved
Panel connection with MEVA-developed assembly lock: one-piece, only 1.5kg	· Time saving on assembly: it tightly connects and aligns panels with a few hammer blows; can be placed anywhere on the frame · No risk of losing parts; can be attached with one hand

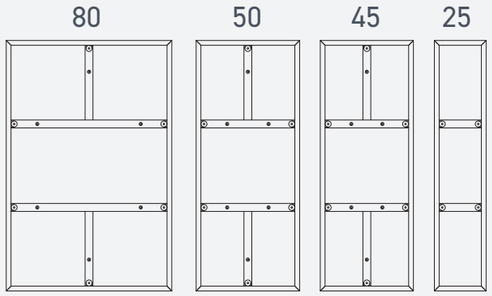
ALL-PLASTIC FACING ALKUS

FEATURES	BENEFITS
No swelling or shrinking caused by moisture penetration	· No change in dimensions due to moisture; no rotting or fungal decay; durable · Built-In flush with panel frame; improved and consistently even concrete surfaces during the whole lifespan
· Easy repair of scratches or drill holes etc. on-site with the same polypropylene material · Screw and nail fixings without chipping off the top layer	· No downtimes through repairs · Permanent availability of panels · Can be treated like plywood
Alkus is as durable as the panel frame	· No re-facing required; no disruption of construction process by downtimes

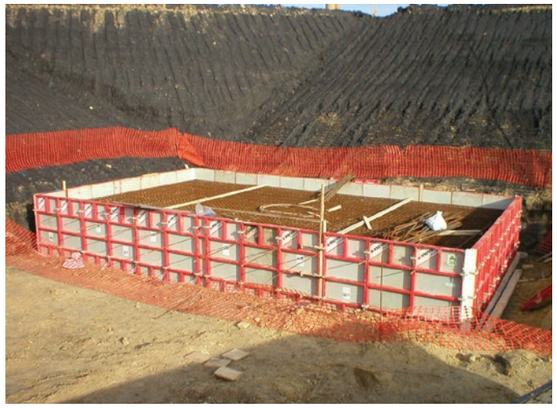
HEIGHT 160



HEIGHT 120

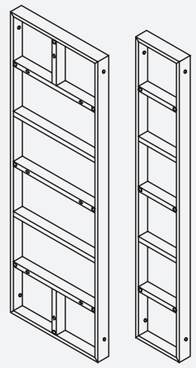


Measurements referenced in cm



EA-PANELS

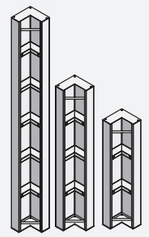
Construction height 100mm; frame profile width 23mm; two tie holes per panel heights 1,600mm and 1,200mm; centred tie hole at horizontal application. The frames of EA-Panels are made of closed steel profiles and are torsion-proof; corrosion-resistant and easy to clean thanks to a special coating (KTL/ACC) and an annealed plastic coating. EA-Panels are fitted with alkus AL17 all-plastic forming face as standard. All-around grooves and EA-assembly locks guarantee a 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.



Product Code	Description	Depth/ Width	Area	Weight
81010	EA-Panel AL17	160/80 cm	1.28 m²	43 kg
81012	EA-Panel AL17	160/50 cm	0.80 m²	33 kg
81013	EA-Panel AL17	160/45 cm	0.72 m²	32 kg
81015	EA-Panel AL17	160/25 cm	0.40 m²	20 kg
81021	EA-Panel AL17	120/80 cm	0.96 m²	33 kg
81023	EA-Panel AL17	120/50 cm	0.60 m²	26.5 kg
81024	EA-Panel AL17	120/45 cm	0.54 m²	25 kg
81027	EA-Panel AL17	120/25 cm	0.30 m²	15 kg

EA-INSIDE CORNER

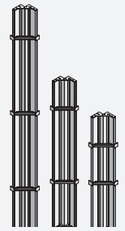
For 90° corners, side length 250mm. Steel frame with tie holes. Frame with KTL/ACC prime coating and annealed plastic coating.



81042	EA-Inside Corner	160/25 cm	0.80 m²	45 kg
81041	EA-Inside Corner	120/25 cm	0.60 m²	33 kg

EA-OUTSIDE CORNER

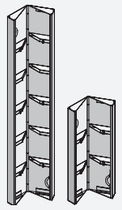
Aluminium, plastic-coated; side length 50mm on both sides, integrated chamfer strip; together with EA-Panels and EA-Assembly locks it provides a tight outside corner assembly for 90° angles.



81049	EA-Outside Corner Alu	240 cm	0.24 m²	13 kg
81047	EA-Outside Corner Alu	160 cm	0.16 m²	9 kg
81045	EA-Outside Corner Alu	120 cm	0.12 m²	6.5 kg

EA-HINGED INSIDE CORNER

Steel construction with steel sheeting, KTL/ACC coating (anti-corrosion treatment). Side length 300mm; adjustable angle 60° to 180° when used as inside corner, 110° to 180° when used as outside corner.



Product Code	Description	Depth/ Width	Area	Weight
81053	EA-Hinged Inside Corner	240/30 cm	1.44 m²	57 kg
81052	EA-Hinged Inside Corner	120/30 cm	0.72 m²	29 kg

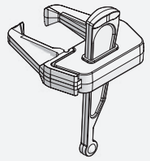
EA-HINGED OUTSIDE CORNER

Steel construction with steel sheeting, KTL/ACC coating (anti-corrosion treatment). Side length 7.50mm; adjustable angle 60° to 180°.

81055	EA-Hinged Outside Corner	240 cm	0.36 m²	37 kg
81054	EA-Hinged Outside Corner	120 cm	0.18 m²	18 kg

EA-ASSEMBLY LOCK

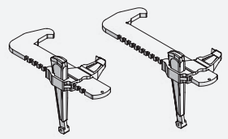
Galvanised; to tightly connect and align EcoAs-panels. Clamping length 46mm. Two EA-Assembly locks are required per panel joint.



81060	EA-Assembly Lock	1.5 kg

UNI-ASSEMBLY LOCK

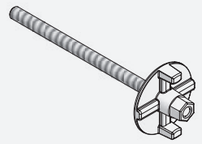
Galvanised; for stepless compensations; clamping length 220mm or 280mm.



81064	Uni-Assembly Lock 22	3.6 kg
81062	Uni-Assembly Lock 28	3.9 kg

FLANGE SCREW

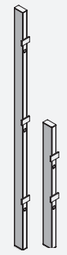
Galvanised; with Dywidag thread diameter 15mm. To attach accessories (e.g. alignment rails, brace frames, Push-pull props, etc.). Length of thread 180mm, 250mm and 280 mm.



84084	Flange Screw 18	1.1 kg
94060	Flange Screw 250	1.3 kg
384100	Flange Screw 280	1.39 kg

EA-STEEL FILLER

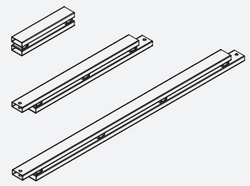
Aluminium, plastic-coated, with tie holes. For length adjustments of 50mm, particularly in corners; for each steel filler two or three Uni-Assembly locks are required.



Product Code	Description	Area	Weight
81065	EA-Steel Filler 240/5	0.12 m²	3.3 kg
81066	EA-Steel Filler 120/5	0.06 m²	4.99 kg

AS-ALIGNMENT RAIL

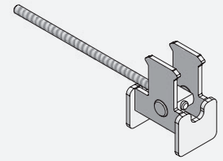
Galvanised; to brace panel joints for crane ganging, to bridge problem areas, to brace compensation areas and to build stop ends (with stop end fixtures). Is attached to the formwork with flange screws.



81069	AS-Alignment Rail 50, galvanised	4 kg
81070	AS-Alignment Rail 125, galvanised	10.5 kg
81073	AS-Alignment Rail 200, galvanised	16 kg

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 to form outer corners or abutments. A flange nut or an articulated flange nut are required in addition.



81074	Stop End Fixture 23/40 (Yellow)	3 kg

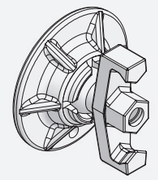
PLUG D20

Red; to close unused tie holes of EcoAs.

81077	Plug D20 (Red)	

ARTICULATED FLANGE NUT 15/120

Forged, galvanised; with Dywidag thread 15 mm diameter, plate diameter 120 mm, maximum inclination 10°, max. load capacity 90kN. Reduces wear of panel coating.

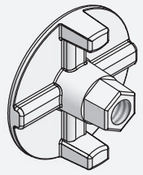


84691	Articulated Flange Nut 15/120 (SW 27)	1.8 kg

Wall Formwork - EcoAs

FLANGE NUT 100

Forged, cut thread; for Dywidag tie rods with 15mm diameter, plate diameter 100mm, admissible load capacity 90kN (DIN 18216).



Product Code	Description	Weight
89026	Flange Nut 100 (SW 27, Forged)	0.7 kg

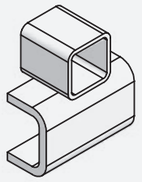
DRIVE NUT 60

Galvanised; Dywidag thread 15mm; plate diameter 60mm; admissible load capacity 90kN. It is used to anchor the formwork to the ground or a wall connection.

Product Code	Description	Weight
84090	Drive Nut 60	20.5 kg

TIE CLAW 23

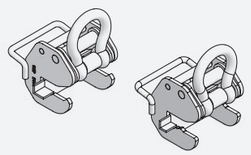
Galvanised; permits tieing (with tie rod and flange nut) directly above or beside EcoAs panels.



Product Code	Description	Weight
81078	Tie Claw 23	0.2 kg

CRANE HOOK

Coated; to move EcoAs panels. Self-locking; load capacity 6kN (600kg) Always two crane hooks required per gang. Please refer to Instruction Manual for application and safety test.



Product Code	Description	Weight
81080	EA/ML Crane Hook	5.5 kg

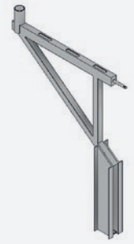
GUARD-RAILING POST

Attached to the scaffolding bracket with integral spring pins

Product Code	Description	Weight
69001	Safety Post 1150mm	5.5 kg
69002	King Sized Safety Post	7.9 kg
52074	C-P Handrail Post Standard	5.5 kg

SCAFFOLDING BRACKET

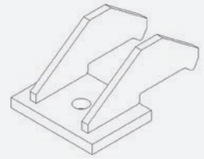
Galvanised. It is used as working and safety scaffold; is attached to the multi-function profile and secured to the multi-function profile below by means of a flange screw 18. The planking can be mounted to the brackets. Working width 900mm approx. C-P Handrail post is required, bracket spacing depends on type of planking. (See Technical Data).



Product Code	Description	Weight
84088	Scaffolding Bracket	14 kg

ECOAS HOLDING DOWN UNIT

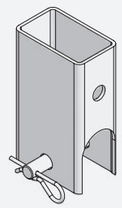
Used to fix the base of the panels down and in line when no kicker is available. Can also be used to hold down the panels in single faced base slab and wall construction. Requires one number M16 anchor bolt. Load capacity dependant on the base material the bolt is fixed in.



Product Code	Description	Weight
381200	EcoAs Holding Down Unit	2 kg

FORMWORK-PROP CONNECTOR

Galvanised; to connect braces, brace frames and push-pull props (max. diameter 48mm) to the multi-function profile by means of a 180 mm flange screw.



Product Code	Description	Weight
84087	Formwork-Prop Connector	1.7 kg

Wall Formwork - EcoAs

MAMMUT 350

HIGHER, FASTER, MORE EFFICIENT

Mammut 350 is the new wall formwork system with a standard height of 3.50m and a perfect symmetry of tie holes and panel joints. The basic panel covers two different floor heights: 3,500 mm and 2,500 mm; it can be applied in horizontal or vertical position. One panel provides a forming surface of 8.75 m². This system is ideal for:

- Industrial and Civil Engineering
- Commercial projects
- Retail

All Mammut 350 accessories are compatible with all other Mammut products.

Load capacity: 100 kN/m². Any rate of pouring admissible up to a height of 4 m.

Please note: all M350 panels are galvanised.

All-Plastic facing 'alkus'.
We use MEVA formwork panels.
MEVA is the first formwork manufacturer to equip all its formwork systems with the pioneering all-Plastic forming face 'alkus'. Therefore our formwork systems produce a consistent high-quality concrete finishes.

Wall Formwork - Mammut 350

Features & Benefits

PANELS

FEATURES	BENEFITS
Panel size 3,500mm x 2,500mm with a surface of 8.75m² for pour heights of 3,500mm or 2,500mm with one panel used in vertical or horizontal position	Economic advantages, especially for projects with varying pour heights such as residential or commercial buildings with underground car park
Panel heights 3,500mm, panel widths from 2,500mm to 250mm; for vertical or horizontal application	• Reduction of filler areas • Fast adaptation to building layout
90° and 135° inside and outside corners and fully adjustable articulated corners 60°-180°	• All corner configurations can be accomplished with standard corner panels • Fast construction progress through fast and easy assembly

CONCRETE PRESSURE

FEATURES	BENEFITS
Admissible load capacity (acc. to DIN 18218): 100kN/m² (silo pressure)	• Any rate of pouring admissible up to a height of 4m • High rate of pouring even for very high walls

FRAME

FEATURES	BENEFITS
Frames made of closed, high-strength steel profiles	Torsion-proof, durable
Autophoretic chemical (ACC) or cataphoretic (KTL) prime coating and annealed, impact and scratch resistant plastic coating. Galvanised from 2018	
2500mm and 1250mm wide panels with bump notch	

TIE HOLES, PANEL CONNECTION

FEATURES	BENEFITS
Tie hole with conical steel sleeve, welded at both sides	• Easy application of DW 15 tie rods • Durable; tying through even with inclined formwork
Tie holes: 3 per 3.5 M panel height, symmetrical arrangement	Uniform tie hole and joint pattern for horizontally or vertically arranged panels
Panel connection with MEVA-developed assembly lock: one-piece, only 3.0 kg	• Time saving on assembly: it tightly connects and aligns panels with a few hammer blows; can be placed anywhere on the frame • No risk of losing parts; can be attached with one hand, even from a ladder
Panel connection with MEVA-developed assembly lock: one-piece, only 1.5kg	• Time saving on assembly: it tightly connects and aligns panels with a few hammer blows; can be placed anywhere on the frame • No risk of losing parts; can be attached with one hand

ALL-PLASTIC FACING ALKUS

FEATURES	BENEFITS
No swelling or shrinking caused by moisture penetration	• No change in dimensions due to moisture; no rotting or fungal decay; durable • Built-In flush with panel frame; improved and consistently even concrete surfaces during the whole lifespan
• Easy repair of scratches or drill holes etc. on-site with the same polypropylene material • Screw and nail fixings without chipping off the top layer	• No downtimes through repairs • Permanent availability of panels • Can be treated like plywood
Alkus is as durable as the panel frame	• No re-facing required; no disruption of construction process by downtimes

MULTI-FUNCTION PROFILE

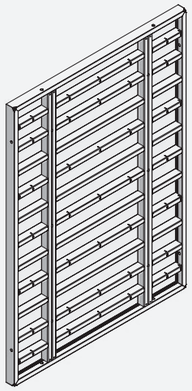
FEATURES	BENEFITS
Practical MEVA multi-function profile with weld-in nuts (Dywidag thread)	Easy attachment of accessories such as alignment rails, braces, scaffolding brackets, etc.

Wall Formwork - Mammut 350

M 350-PANELS

Construction height 120mm; frame profile width 60 mm; three tie holes per panel height 3,500mm, two tie holes per panel height 2,500mm. The frames of M 350-Panels are made of closed steel profiles and are torsion-proof; corrosion-resistant and easy to clean thanks to a special coating (KTL/ACC) and an annealed plastic coating. GM identifies fully galvanised panels.

M 350-Panels are fitted with alkus AL 20 all-plastic forming face. All-around grooves and M-Assembly locks guarantee a 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.



Product Code	Description	Area	Weight
84601	M 350-Panel AL 20 350/250	8.75 m^2	581.5 kg
84602	M 350-Panel AL 20 350/125	4.38 m^2	260 kg
84603	M 350-Panel AL 20 350/100	3.5 m^2	215.5 kg
84605	M 350-Panel AL 20 350/75	2.63 m^2	174 kg
84606	M 350-Panel AL 20 350/55	1.93 m^2	139.5 kg
84607	M 350-Panel AL 20 350/50	1.75 m^2	131.5 kg
84608	M 350-Panel AL 20 350/25	0.88 m^2	86 kg
84800	G-M Panel 3500 x 2500mm	8.75 m^2	604.8 kg
84801	G-M Panel 3500 x 1250mm	4.37 m^2	270.4 kg
84802	G-M Panel 3500 x 1000mm	3.5 m^2	224.12 kg
84803	G-M Panel 3500 x 750mm	2.63 m^2	180.96 kg
84804	G-M Panel 3500 x 550mm	1.93 m^2	145.08 kg
84805	G-M Panel 3500 x 450mm	1.58 m^2	123.76 kg
84806	G-M Panel 3500 x 250mm	0.88 m^2	89.44 kg
84807	G-M Panel 3000 x 1250mm	3.75 m^2	213.20 kg
84808	G-M Panel 3000 x 1000mm	3 m^2	172.32 kg
84809	G-M Panel 3000 x 750mm	2.25 m^2	144.04 kg
84810	G-M Panel 3000 x 550mm	1.65 m^2	117.52 kg
84811	G-M Panel 3000 x 450mm	1.35 m^2	104.52 kg
84812	G-M Panel 3000 x 250mm	0.75 m^2	78 kg
84813	G-M Panel 2500 x 1250mm	3.13 m^2	191.36 kg
84814	G-M Panel 2500 x 1000mm	2.5 m^2	158.08 kg
84815	G-M Panel 2500 x 750mm	1.88 m^2	127.92 kg
84816	G-M Panel 2500 x 550mm	1.38 m^2	102.96 kg
84817	G-M Panel 2500 x 450mm	1.13 m^2	91 kg
84818	G-M Panel 2500 x 250mm	0.63 m^2	65.52 kg
84819	G-M Panel 1250 x 1250mm	1.56 m^2	101.92 kg
84820	G-M Panel 1250 x 1000mm	1.25 m^2	84.24 kg
84821	G-M Panel 1250 x 750mm	0.94 m^2	67.60 kg
84822	G-M Panel 1250 x 550mm	0.68 m^2	54.08 kg
84823	G-M Panel 1250 x 450mm	0.56 m^2	47.32 kg
84824	G-M Panel 1250 x 250mm	3.13 m^2	34.84 kg
84825	G-M INT CORNER 3500 x 250mm	1.75 m^2	124.96 kg
84826	G-M INT CORNER 3000 x 250m	1.5 m^2	95.16 kg
84827	G-M INT CORNER 2500 x 250mm	1.25 m^2	88.92 kg
84828	G-M INT CORNER 1250 x 250mm	0.63 m^2	45.76 kg
84829	G-M FILLER 3500 x 50mm	10.3 m^2	10.3 kg
84830	G-M FILLER 3000 x 50mm	8.8 m^2	8.8 kg
84831	G-M FILLER 2500 x 50mm	7.4 m^2	7.4 kg
84832	G-M FILLER 1250 x 50mm	3.9 m^2	3.9 kg
84833	G-M Panel 3000 x 2500mm	7.5 m^2	464 kg

M 350-INSIDE CORNER 350/25

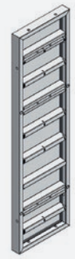
For 90° corners, side length 250mm. Steel frame with tie holes. Frame with KTL/ACC prime coating and annealed plastic coating.

M 350-OUTSIDE CORNER 350

Steel construction, galvanised; together with M 350-panels and M-assembly locks it provides a tight outside corner assembly for 90° angles.

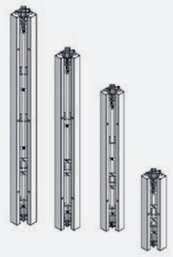
M 350 MAMMUT MULTI PURPOSE PANELS

Mammoth panel with perforated profiles to be used as column formwork or to form concrete pilasters, stop ends, connections to existing walls and corner configurations. Used with Column Clamp M 350.



STRIPPING PANEL

The stripping panel allows exact sized forms to be safely removed with a simple flange screw system. The panel is in two parts that after the pour has cured can be unbolted using the fast threaded flange screw to separate the units for striking the forms.



Product Code	Description	Area	Weight
84609	M 350-Inside Corner 350/25, two parts	1.75 m^2	167 kg
84624	M 350 inside corner 300/25	1.5 m^2	91.4 kg
84625	M350 inside corner 125/25	0.63 m^2	44 kg
84611	M 350-Outside Corner 350		78 kg
84520	Multi-Purpose Panel 350/100	3.5 m^2	250 kg
84521	Multi-Purpose Panel 300/100	3 m^2	200 kg
84522	Multi-Purpose Panel 250/100	2.5 m^2	176 kg
84623	M350 stripping panel 350/25	1.05 m^2	111 kg

Wall Formwork - Mammut 350

Filler Strips

Used to make small adjustments to form length up to three number can be used in one location giving a 50, 100 or 150 change in length. Tie holes are included to ensure that the forms can be fully restrained.

Product Code	Description	Area	Weight
84649	M350 aluminium filler 350/5		10.2kg
84650	M350 aluminium filler 300/5		8.8 kg
84651	M350 aluminium filler 250/5		7.4 kg
84652	M350 aluminium filler 125/5		3.9 kg

M 350-INSIDE CORNER 135°, 350/15

Steel construction with steel sheeting, KTL/ACC-coating (anti-corrosion treatment); for 135° corner configurations. Side length 150mm, with tie holes.

Product Code	Description	Area	Weight
84613	M 350-Inside Corner 135°, 350/15	1.05 m²	93.2 kg

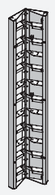
M 350-OUTSIDE CORNER 135°, 350/25

Steel construction with steel sheeting, KTL/ACC-coating (anti-corrosion treatment). Outside corner with tie holes suited for 135° corner configurations; side length 250mm.

Product Code	Description	Area	Weight
84614	M 350-Outside Corner 135°, 350/25	1.75 m²	135.80 kg

M 350-HINGED INSIDE CORNER 350/40

Steel construction with steel sheeting, KTL/ACC-coating (anti-corrosion treatment). Side length 400mm; adjustable angle 60°–180°.



Product Code	Description	Area	Weight
84610	M-350-hinged inside Corner 350/40	2.8 m²	235 kg

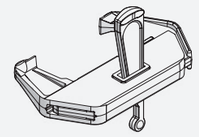
M 350-HINGED OUTSIDE CORNER 350/12.5

Steel construction with steel sheeting, KTL/ACC-coating (anti-corrosion treatment). Side length 125mm; adjustable angle 60°–180°.

Product Code	Description	Area	Weight
84612	M 350-Hinged Outside Corner 350/12.5	0.88 m²	114.60 kg

M-ASSEMBLY LOCK

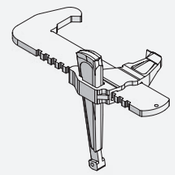
Galvanised; to tightly connect and align Mammut and Mammut 350-panels. Clamping length 120mm. For panel height up to 3,000mm two M-assembly locks are required per panel joint; for panel height 3,500mm three locks are required.



Product Code	Description	Weight
84080	M-Assembly Lock	3 kg

UNI-ASSEMBLY LOCK

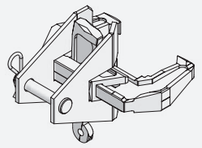
Galvanised; for stepless compensations; clamping length 220mm or 280mm.



Product Code	Description	Weight
81064	Uni-Assembly Lock 22	3.6 kg
81062	Uni-Assembly Lock 28	3.9 kg

COMBI-LOCK (WITH COUPLING)

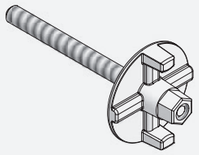
Galvanised; to attach push-pull props at the panel joints of the wall formwork systems AluStar, StarTec, Mammut and Mammut 350. Clamping length 80mm, 100mm and 120mm.



Product Code	Description	Area	Weight
84086	Combi-Lock (with Coupling)		3.7 kg

FLANGE SCREW

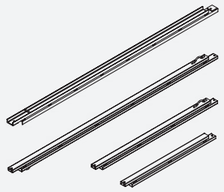
Galvanised; with Dywidag thread diameter 15mm. To attach accessories (e.g. alignment rails, brace frames, push-pull props, etc.). Length of thread 180 mm, 250mm and 280 mm.



84084	Flange Screw 18		1.1 kg
94060	Flange screw 250 mm		1.17 kg
384100	Flange screw 280 mm		1.2 kg

M-ALIGNMENT RAILS

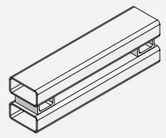
Galvanised; to brace panel joints for crane ganging, to bridge problem areas, to brace compensation areas and to build stop ends (with stop end fixtures). Is attached to the formwork with flange screws.



84091	M-Alignment Rail 250, galvanised		34.5 kg
84092	M-Alignment Rail 180, galvanised		24.8 kg

M-ALIGNMENT RAIL 44

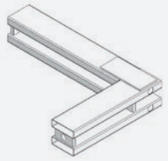
Galvanised; short alignment rail to brace panel joints for crane ganging and to reinforce filler areas.



84093	M-Alignment Rail 44, galvanised		6.3 kg

M-OUTSIDE CORNER BRACKET

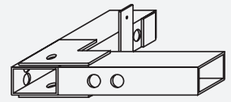
Galvanised; together with M-Panels and flange screws it provides a tight outside corner assembly for 90° angles.



84064	M-Outside Corner Bracket, galvanised		12 kg

M-COLUMN BRACKET

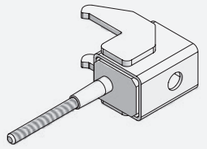
Galvanised; to build rectangular columns with M-panels or stop ends, etc. It is attached to the multi-function profile with flange screws.



Product Code	Description	Area	Weight
84094	M-Column Bracket Size 1	35/34	7 kg
84095	M-Column Bracket Size 2	46/46	9 kg

STOP END CLAMP

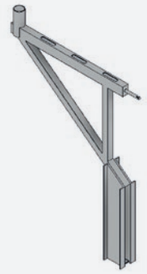
Galvanised; to attach alignment rails to M-panels when stop ends are formed. It is suited for the frame profiles of Mammut/ Mammut 350 (60mm). A flange nut or an articulated flange nut are required in addition. It is attached to the multi-function profile with a flange screw.



84082	Stop End Clamp 21, galvanised		4 kg

SCAFFOLDING BRACKET

Galvanised. It is used as working and safety scaffold; is attached to the multi-function profile and secured to the multi-function profile below by means of a flange screw 18. The planking can be mounted to the brackets. Working width 900mm approx. C-P Handrail post is required, bracket spacing depends on type of planking. (See Technical Data).



84088	Scaffolding Bracket		14 kg

Wall Formwork - Mammut 350

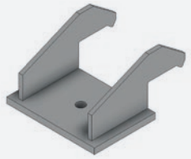
PLUG D26

Grey; to close unused tie holes of Mammut and Mammut 350.

Product Code	Description	Weight
29-902-61	Plug D26	

M HOLDING DOWN BRACKET

Used to fix the base of the panels down and in line when no kicker is available. Can also be used to hold down the panels in single faced base slab and wall construction. Requires one number M16 anchor bolt. Load capacity dependant on the base material the bolt is fixed in.



384102	M Holding Down Bracket	4.6 kg

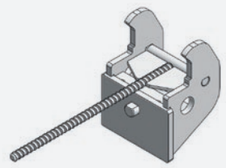
M CORNER ANGLE 40/60

Welded 90-degree alignment rail for inside and outside corners.

384103	M Corner Angle 40/60	9.5 kg

M350 COLUMN CLAMP

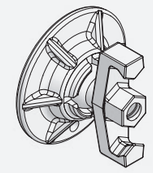
Used with multipurpose panels to form corners or columns. Requires a 100 mm Flange nut or a wing nut and washer.



84692	Column Clamp	5 kg

ARTICULATED FLANGE NUT

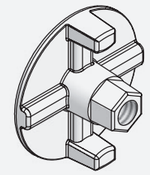
Forged, galvanised; with Dywidag thread diameter 15mm (20mm), diameter of plate 120mm (140mm), maximum inclination 10°, spanner width 27mm (36mm), max. load capacity 90kN (160kN). Reduces wear of panel coating.



Product Code	Description	Weight
84691	Articulated Flange Nut 15/120 (SW 27)	1.8 kg
84691	Articulated Flange Nut 20/140	2.4 kg

FLANGE NUT 100

Forged, cut thread; for Dywidag tie rods with 15mm diameter, plate diameter 100mm, Spanner width 27mm; admissible load capacity 90kN (DIN 18216).



84090	Flange Nut 100 (SW 27, forged)	0.7 kg

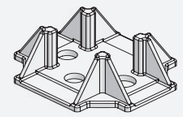
DRIVE NUT 60

Galvanised; Dywidag thread diameter 15mm; plate diameter 60mm; admissible load capacity 90kN. It is used to anchor the formwork to the ground or a wall connection.

84097	Drive Nut 60	0.5 kg

UNI-TIE CLAW

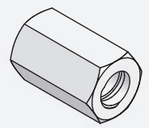
Galvanised; permits tieing directly above or beside panels. It is suited for panels with a frame profile width of 40mm (AluStar/StarTec) and 60mm (Mammut/Mammut 350).



84079	Uni-Tie Claw	1.5 kg

HEXAGONAL NUT

Galvanised, with Dywidag-thread. 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. Diameter 20mm: admissible load capacity 160kN.

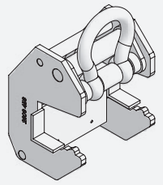


96704	Hexagonal Nut 20 (SW 36)	0.5 kg

Wall Formwork - Mammut 350

M-CRANE HOOK

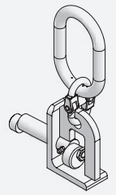
To move panels. Self-locking; load capacity 15kN (1.5t). Always two crane hooks required per gang. Please refer to Instruction Manual for application and safety test.



Product Code	Description	Weight
84083	M-Crane Hook	9.6 kg

LIFTING HOOK

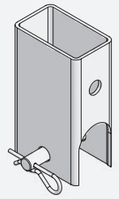
Galvanised; with these lifting hooks any 4-roped crane slings available on site can be used to move the panel stacks (always use four hooks at a time). Please refer to Instruction Manual for application and safety test.



Product Code	Description	Weight
84078	Lifting Hook 60	1.7 kg

FORMWORK-PROP CONNECTOR

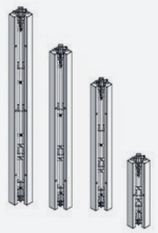
Galvanised; to connect braces, brace frames and push-pull props (max. diameter 48mm) to the multi-function profile by means of a flange screw.



Product Code	Description	Weight
84087	Formwork-Prop Connector	1.7 kg

STRIPPING CORNERS

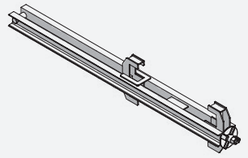
All steel construction unit with a mechanism that allows the corner to be retracted either by using the levers and a crowbar or the stripping support. Pulls the form face approximately 17mm clear of the concrete to aid removal of the forms. Generally applied to shaft or climbing formwork layout.



Product Code	Description	Weight
84615	M350 stripping corner 250/250	138 kg
84617	M350 stripping corner 300/250	159 kg
84618	M350 stripping corner 125/250	79 kg
84619	M350 stripping corner 350/250	187 kg

STOP END BRACKET 40/60

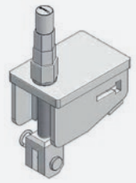
Galvanised to form stop ends, is suited for frame formwork panels with a profile width of 60mm (Mammut/Mammut 350) and a max. wall thickness 750mm.



Product Code	Description	Weight
84098	M- Stop End Bracket 40/60	15.4 kg

STRIPPING SUPPORT

The stripping support is a device that ensure easier striking of the stripping corners from the top edge of the formwork. It is operated using a power driven socket of 27, 30 or 36 mm A/F. it also possible to use a hand ratchet with the same sockets.



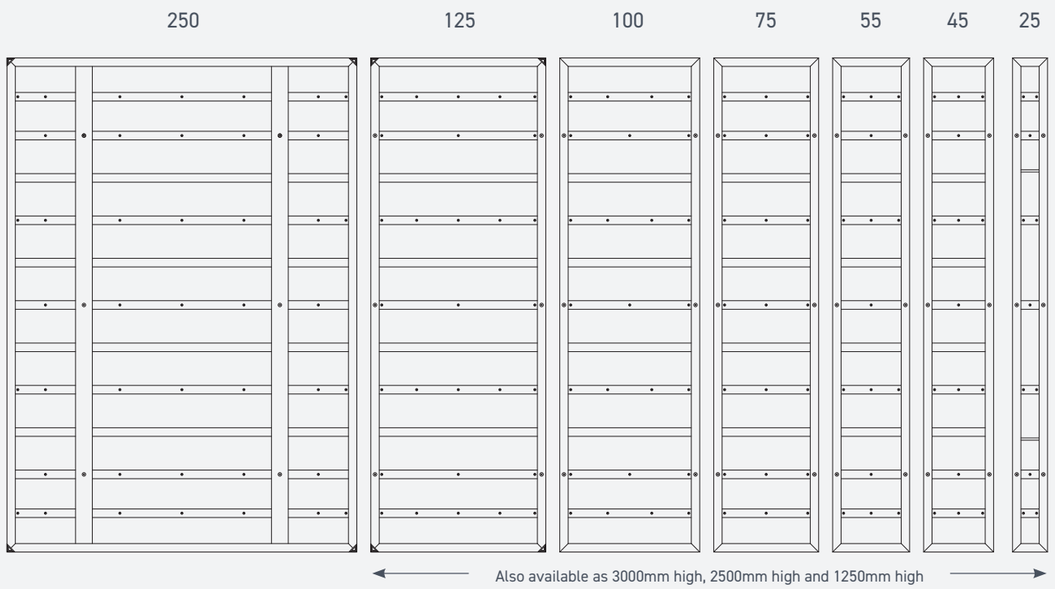
Product Code	Description	Weight
384626	Stripping Support	5 kg

BRACE FRAMES

Galvanised; to align and brace the formwork. Available with or without formwork-prop connector; it consists of a push-pull prop R 250 (190-320 cm), a brace SRL 120 (90-150 cm) and a double-jointed foot plate; the formwork prop connectors are attached to the formwork with flange screws 18.

Product Code	Description	Weight
392250	Brace frame 250 without prop connector	27.5 kg
81085	Brace frame 250 with prop connector	31.5 kg

HEIGHT 3,500 MM



Wall Formwork - Mammut 350

STB SUPPORT FRAME

GREATEST HEIGHTS, PEAK PERFORMANCE

A single-sided wall makes specific technical demands on a formwork system. The STB support frame has often proved of value in numerous sophisticated projects to the limits of what is possible – even for extraordinarily high walls.

Unlike with double-sided formwork, here the total concrete pressure has to be transferred from the formwork via a support structure into an existing structure or the foundation. STB support frames solve this task safely and economically by anchoring the system into the foundation or floor slab.

STB support frames allow single-sided forming of walls up to 12m or more for:

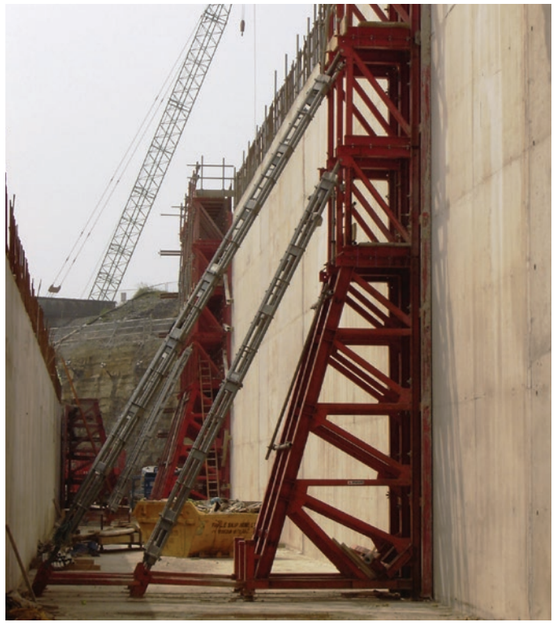
- Concreting against rock or soil
- Sheet piling
- Retaining walls
- Shafts and tunnels

Building wall heights of more than 12m while having a construction depth of only 2.45m is a unique feature of the STB 450. The support frame can also be used as truss/lattice girder for special applications.

Wall Formwork - STB Support Frame

Railway Station

New Sluice



Inlet Channel

Depending on the application three different versions are available:
For applications up to 2.00 m the brace bracket SK 150; the STB 300 for wall heights up to 3.50 m, and for higher walls the STB 450, which can be extended with height extensions 150 up to a total height of 12.00 m.

Features & Benefits

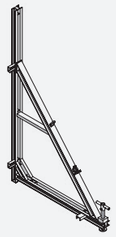
CONFIGURATION

FEATURES	BENEFITS
STB 300 (height: 3 m) for walls up to 3.0 m	Cost-effective solution for standard wall heights in underground car parks or in housing construction
STB 450 (height: 4.50 m, base width only 2.45 m) for walls up to 5.00 m, can be extended in height up to 12 m or more	Compact basic unit for easier transport (no extra wide truck required)
Modular design: extended in height with 1.50 m height extensions for up to any wall height when using additional Triplex SB heavy-duty braces	Smallest footprint and greatest height of all available systems on the market, ideal for narrow sites

DESIGN

FEATURES	BENEFITS
Solid steel construction, high load capacity, small height extension units	High static strength, perfect adaptation even to difficult site requirements, simple logistics
Anchoring with Dywidag into the floor slab or foundation	Commercially available anchoring system: load capacity depends on diameter and distance between ties, which allows for a perfect adaptation to site requirements
Used with MEVA wall formwork systems as well any other formwork system, e.g. by using the all-plastic alkus facing or plywood as a forming face with waler beams	Practical solutions for extraordinary geometries, large-size formwork providing outstanding concrete finish

SUPPORT FRAME STB 300
Sturdy steel construction, painted or Galvanised; height 3.00m. To brace single-sided wall formwork up to a pouring height of max. 3.00m. a spindle allows the formwork to be set plumb.

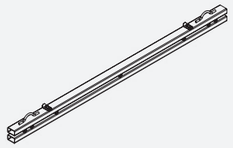


Product Code	Description	Weight
71001	Support Frame STB 300	168 kg

BASE EXTENSION STB 300/200
Painted or Galvanised; it supplements the support frame STB 300 for special applications, which require a detailed planning and calculation by our engineers.

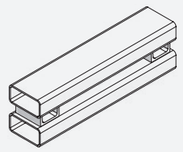
Product Code	Description	Weight
71002	Base Extension STB 300/200	53 kg

CROSS BEAM 300
Painted or Galvanised; to link formwork and support frames by means of flange screws. It allows the building of crane handled units. Weld-in nuts guarantee a spacing of support frames, which is adapted to all MEVA wall formwork systems.



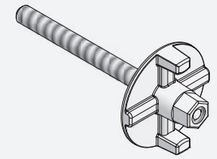
Product Code	Description	Weight
71007	Cross Beam 300	60 kg

M-ALIGNMENT RAIL 44
Galvanised; in connection with support frames STB 300 it is used as tie beam to transmit the forces from the support frame into the anchoring loops.



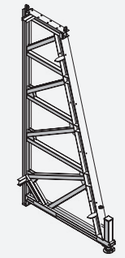
Product Code	Description	Weight
84093	M-Alignment Rail 44, galvanised	6.3 kg

FLANGE SCREW
Galvanised; with Dywidag thread diameter 15mm, to attach accessories to the multi-function profiles, e.g. alignment rails, cross braces, cross beams 300, formwork-prop connectors, etc.



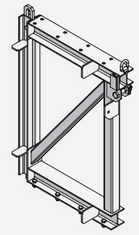
Product Code	Description	Weight
84084	Flange Screw 18	1.1 kg
94060	Flange Screw 250	1.17 kg
384100	Flange Screw 280	1.2 kg

SUPPORT FRAME STB 450
Sturdy steel construction, Painted or Galvanised; height 4.50m. To brace single-sided wall formwork up to a pouring height of max. 5.00m. a spindle allows the formwork to be set plumb.



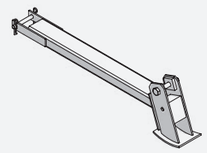
Product Code	Description	Weight
71015	Support Frame STB 450	824 kg

HEIGHT EXTENSION 150
Painted or Galvanised; height 1.50m. Serves to extend the support frame STB 450 1.50m steps, For heights exceeding 6.00m, Triplex braces SB and base extensions are additionally required.



Product Code	Description	Weight
71016	Height Extension 150	119 kg

BASE EXTENSION
Painted or Galvanised; serves to extend support frames STB 450 backwards to attach Triplex braces.



Product Code	Description	Weight
71017	Base Extension	40 kg

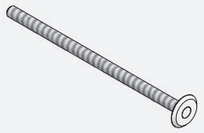
TWIN CHANNEL
Painted or Galvanised; to be used with support frame STB 450. It transfers the loads from the support frame into the anchor tie bars.

Product Code	Description	Weight
71023	Twin Channel 245	148 kg
71029	Twin Channel 80	49 kg

Wall Formwork - STB Support Frame

FIXING SCREW 35/DW15

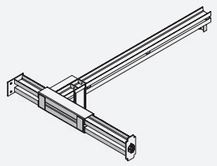
Galvanised; to attach a support frame to the tie holes of panels in horizontal position; a flange nut or an articulated flange nut are required.



Product Code	Description	Weight
71022	Fixing Screw 35/DW15	0.6 kg

STOP END BRACKET SB 110

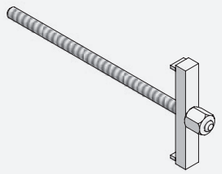
Painted or Galvanised; to form stop ends when the pouring height exceeds 4 m; maximum wall thickness 1.10 m. A clamping device for stop end brackets or, as alternative, tie rods required to fix the stop end bracket to the support frame.



Product Code	Description	Weight
71025	Stop End Bracket SB 110	198 kg

CLAMPING DEVICE FOR STOP END BRACKET SB 110

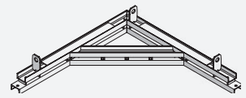
Galvanised to connect the stop end bracket to the support frame. A flange nut or an articulated flange nut are additionally required.



Product Code	Description	Weight
71026	Clamping Device for Stop End Bracket SB 110	1.4 kg

CORNER BRACE STB

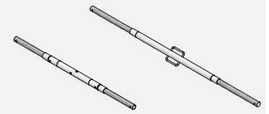
Coated; to support the inside corner area of a single-sided wall formwork. Dimensions 1,370 mm x 1,370 mm; weld-in DW-threaded nuts for attachment of two STB 300 or STB 450. Additional flange screws are required to fix the cross brace to the formwork and the support frame to the cross brace.



Product Code	Description	Weight
71032	Corner Brace STB	92 kg

BRACE SRL

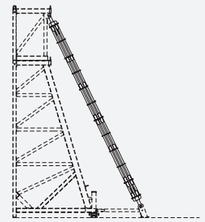
Galvanised; it consists of a right-hand and a left-hand spindle as well as a revolving centre part. It is delivered without foot plate and formwork-prop connector.



71030	Brace SRL 120 (900mm - 1500mm)	8.3 kg
71031	Brace SRL 170 (1200mm - 2200mm)	10.5 kg
71040	Triplex SB 630 (5800 mm – 6800 mm)	

TRIPLEX SB

Galvanised; together with the base extension it provides additional support when the concreting height exceeds 6 m.

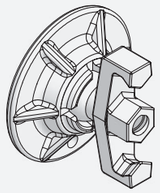


71041	Triplex SB 300 (right-hand thread)	71 kg
71042	Triplex Intermediate Piece SB 100	22 kg

Wall Formwork - STB Support Frame

ARTICULATED FLANGE NUT

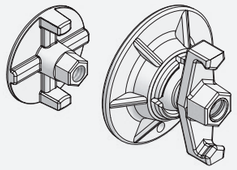
Forged, galvanised; with Dywidag thread diameter 15 mm (20 mm), diameter of plate 120 mm (140 mm), maximum inclination 10°, spanner width 27 mm (36 mm), max. load capacity 90 kN (160 kN). Reduces wear of panel coating.



Product Code	Description	Weight
71043	Triplex SB 300 (left-hand thread)	71 kg
84691	Articulated Flange Nut 15/120 (SW 27)	1.18 kg
84690	Articulated Flange Nut 20/140	2.4 kg

FLANGE NUT 100

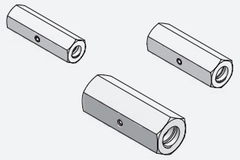
Forged, cut thread; for Dywidag tie rods with diameter 15 mm; diameter of plate 100 mm, SW 27; admissible load capacity 90 kN (DIN 18216).



Product Code	Description	Weight
84090	Flange Nut 100 (SW 27, forged)	0.7 kg

COUPLING NUT

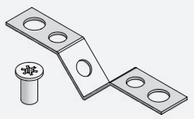
With Dywidag-thread; to connect tie rods to the anchor loop when length extension is necessary. 15 mm diameter: allowable load capacity 90 kN, SW 30 20mm diameter: allowable load capacity 160 kN, SW 36 26.5 mm diameter: allowable load capacity 250 kN, SW 46 (SW is across flats spanner size).



Product Code	Description	Weight
810660220	Coupling Nut 15 (SW 30)	0.2 kg
810660249	Coupling Nut 20	0.7 kg
810660294	Coupling Nut 26.5	1.4 kg

ANCHORING AUXILIARY

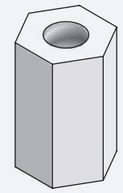
Facilitates the placing of tie rods at 45° into the supporting structure when support frames are used.



29-001-50	Anchoring Auxiliary 15 STB	1.1 kg
29-001-55	Anchoring Auxiliary 20 STB	1.17 kg
29-001-60	Anchoring Auxiliary 26.5 STB	1.2 kg

HEXAGONAL NUT

Galvanised, with Dywidag-thread. 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. 15 mm diameter: admissible: load capacity 90 kN, SW 30 20mm diameter: admissible: load capacity 160 kN, SW 36 26.5 mm diameter: admissible: load capacity 250 kN, SW 46.



Product Code	Description	Weight
96594	Hexagonal Nut 15, galvanised (SW 30)	0.2 kg
96704	Hexagonal Nut 20 (SW 36)	0.5 kg
396813	Hexagonal Nut 26.5	0.5 kg

SCAFFOLD TUBES

Galvanised; to reinforce large-size units of support frames for crane ganging.

Product Code	Description	Weight
68004	Scaffold Tube 4'	5.44 kg
68005	Scaffold Tube 5'	6.8 kg
68007	Scaffold Tube 7'	9.52 kg
68009	Scaffold Tube 9'	12.24 kg
68011	Scaffold Tube 11'	14.96 kg
68013	Scaffold Tube 13'	17.68 kg
68015	Scaffold Tube 15'	20.40 kg
68017	Scaffold Tube 17'	23.12 kg
68019	Scaffold Tube 19'	25.84 kg
68021	Scaffold Tube 21'	28.56 kg

DOUBLE COUPLER 48/48

Galvanised; to connect two scaffold tubes with 48.3 mm diameter at an angle of 90° (spanner width 22 mm).

68501	Double Coupler	0.91 kg

Wall Formwork - STB Support Frame

SWIVEL-JOINT COUPLER 48/48

Galvanised; to connect two scaffold tubes with 48.3 mm diameter at any angle required.

Product Code	Description	Weight
68502	Swivel Coupler	1.02 kg

BOLT-ON COUPLER 48/M14

Galvanised; permits the attachment of scaffold tubes 48.3 mm diameter to support frames, climbing brackets, etc.

40-080-70	Bolt-On Coupler 48/M14	1 kg

SLEEVE COUPLER 48/48 (SW 22)

Galvanised; to attach scaffold tubes of 48.3 mm diameter at tube joints; it is used together with a tube connector 48.

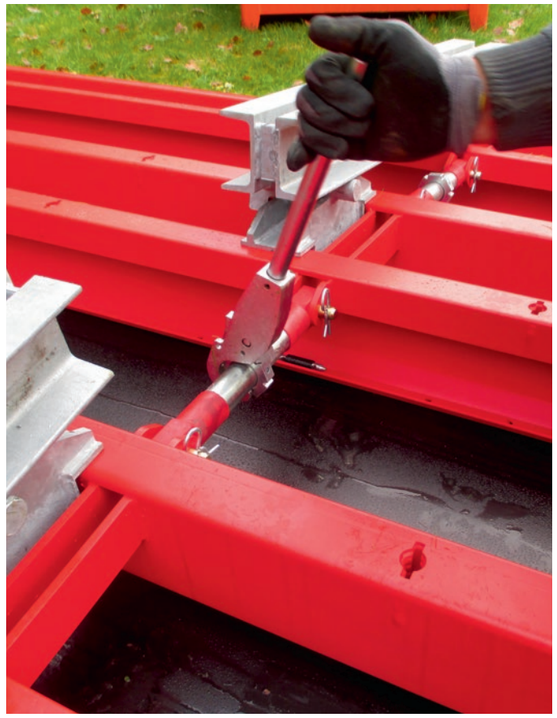
68503	Sleeve Coupler	1.13 kg

JOINT PINS

Galvanised; supplement to rigid coupler 48/48. It is used to reinforce the joint of two tubes.

68510	Joint Pin	1.84 kg

Wall Formwork - STB Support Frame



RADIUS SYSTEM

FOR FORMING CIRCULAR WALLS

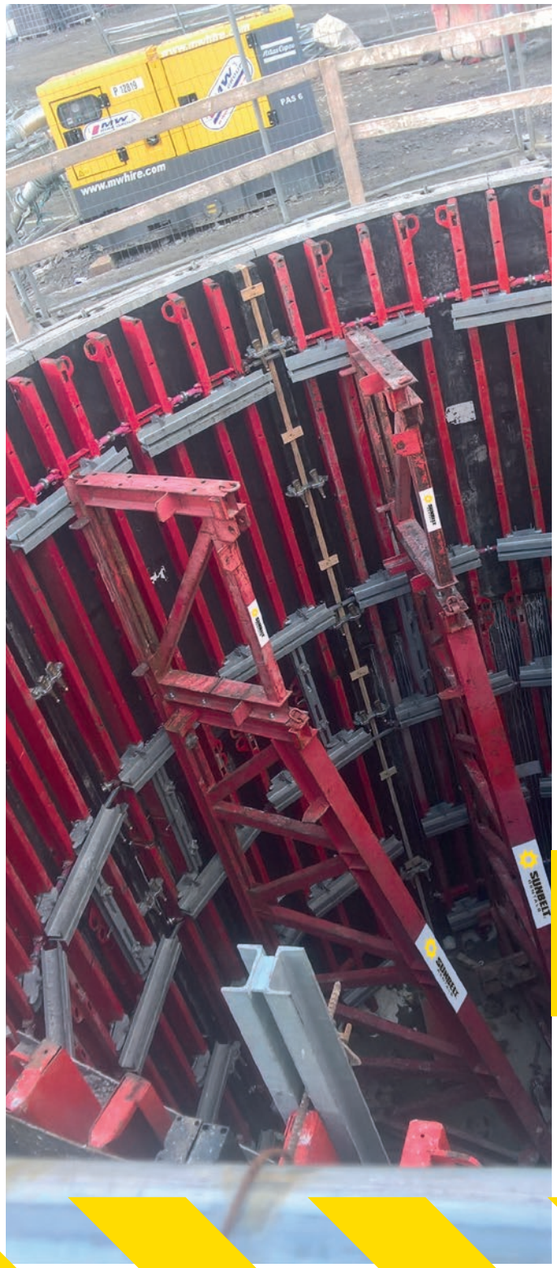
Even if a project requires the forming of round structures we offer a tailored and cost-effective solution for all kinds of applications.

Polygonal Formwork
Circular tanks can be formed polygonally by using the standard panels from our EcoAs and Mammoth Formwork range.

Circular Formwork Radius
If perfectly circular structures are required, the Radius circular formwork panels deliver perfect results. Radius is a steplessly adjustable circular formwork system for precise adjustments from 2500 mm up to 35000 mm

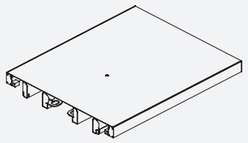
- Waste water treatment plants
- Car park entry or exit ramp walls
- High-rise building

We can offer cost-effective solutions for every task. Circular walls can be formed using any mixture of standard and/or purpose-made equipment.



RADIUS PANELS

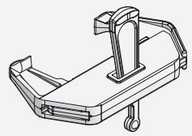
Support profiles made of steel, galvanised, with steel facing. The integrated spindle-system of the pre-assembled panels allows for a stepless adjustment of the radii, starting with 2.50 m. The Radius panels have a Mammut edge profile for panel connection (12 cm high, 6 cm wide). Amount of tie points per panel height:
3x at panel height 350,
2x at panel height 300,
1x 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.



Product Code	Description	Area	Weight
392200	RS-outside panel 350x250	8.75 m^2	712 kg
392201	RS-outside panel 300x250	7.5 m^2	618.5 kg
392202	RS-outside panel 150x250	3.75 m^2	343 kg
392203	RS-outside panel 350x125	4.38 m^2	385.5 kg
392204	RS-outside panel 300x125	3.75 m^2	335 kg
392205	RS-outside panel 150x125	1.88 m^2	185 kg
392206	RS-inside panel 350x240	8.4 m^2	696.5 kg
392207	RS-inside panel 300x240	7.2 m^2	604.5 kg
392208	RS-inside panel 150x240	3.6 m^2	334.5 kg
392209	RS-inside panel 350x120	4.2 m^2	378 kg
392210	RS-inside panel 300x120	3.6 m^2	328 kg
392211	RS-inside panel 150x120	1.8 m^2	181.5 kg

M-ASSEMBLY LOCK

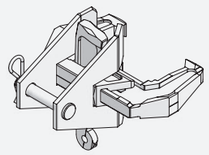
Galvanised, to tightly connect and align Radius panels. Clamping length 12 cm. 2 assembly locks are required per panel joint for a panel height up to 300 cm; 3 assembly locks are required per panel joint for a panel height up to 350 cm.



84080	M-assembly lock	3 kg

COMBI-LOCK WITH COUPLING

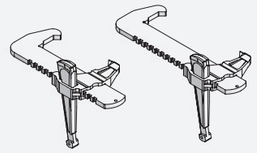
Galvanised; to attach the push-pull props at the panel joint of the wall formwork AluStar, StarTec, Mammut, Mammut 350 and Radius. Clamping length 8, 10 and 12 cm.



84086	Combi-lock with coupling	3.7 kg

UNI-ASSEMBLY LOCK

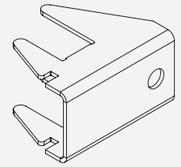
Galvanised; for stepless compensations; clamping length 22 or 28 cm.



Product Code	Description	Weight
81064	Uni-assembly lock 22	3.6 kg
81062	Uni-assembly lock 28	3.9 kg

STOP-END CLAW RS

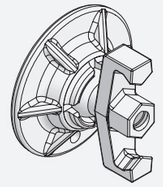
Galvanised. To form stop-ends of pouring cycles together with tie rods, stop-end fixtures, alignment rails and flange nuts/articulated flange nuts.



392231	Stop-end claw RS	2.8 kg

ARTICULATED FLANGE NUT 20/140

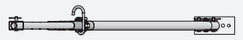
Forged, galvanised; DIN 18216; with Dywidag thread 20 mm, plate Ø 140 mm. Maximum inclination 10°; spanner width 36 mm. Maximum load capacity 160 kN. Reduces the wear of panel coating.



84690	Articulated flange nut 20/140	2.4 kg

BRACE FRAME 250

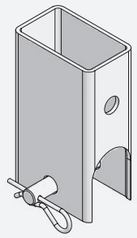
Galvanised; to align and brace the formwork. Available with or without formwork-prop connector; it consists of a push-pull prop R 250 (190-320 cm), a brace SRL 120 (90-150 cm) and a double-jointed foot plate; the formwork prop connectors are attached to the formwork with flange screws 18.



392250	Brace frame 250 without prop connector	27.5 kg
81085	Brace frame 250 with prop connector	31.5 kg

FORMWORK-PROP CONNECTOR

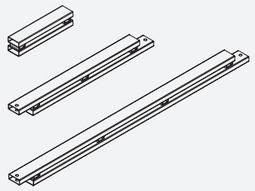
Galvanised; to connect braces, brace frames and push-pull props (max. diameter 48mm) to the multi-function profile by means of a 180 mm flange screw.



Product Code	Description	Weight
84057	Formwork-prop connector	1.7 kg

ALIGNMENT RAILS

Galvanised, for stop ends in combination with the stop-end fixtures RS.



84092	M-alignment rail 180, galv	24.8 kg
81010	AS-alignment rail 125, galv	10.5 kg

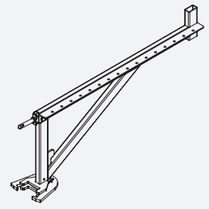
ALIGNMENT RAIL RS

Galvanised. 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.

392232	Alignment rail RS	12.2 kg

SCAFFOLDING BRACKET RS

Galvanised, 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. Theworking width is approx. 90cm. In addition to the bracket a guardrailing post is required.



Product Code	Description	Weight
392233	Scaffolding bracket RS	6.7 kg

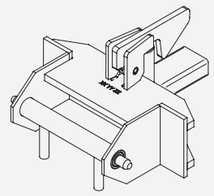
GUARD-RAILING POST

100/140: Galvanised, is plugged into the scaffolding bracket. 48/120 UK: Galvanised, with adapter to plug it into the scaffolding bracket, designed with tube Ø 48 mm to attach tube couplers.

91320	Guard-railing post 48/120 UK	5.5 kg

SHOE FOR ANCHORING RAIL RS

Galvanised. The shoe serves to hold the anchoring 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.



392234	Shoe for anchoring rail RS	5.8 kg

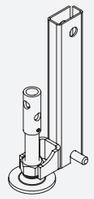
Wall Formwork - Radius System

ANCHORING RAIL RS

The rail serves to tie the Radius formwork. Together with the shoe the rail is the support for the tieing. The rail can be moved sidewards on the shoes. The rail transfers the concrete load equally into the panel profiles.

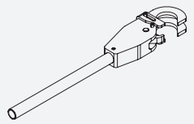
SCREW JACK FOOT RS

The screw jack foot 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.



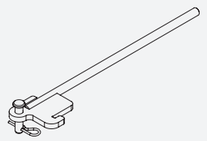
DETACHABLE RATCHET RS

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.



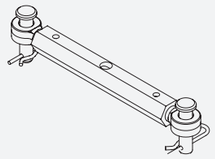
STOP-END FIXTURE RS

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 stopend claw.



TENSION SPINDLE 270-390 RS

With a radius greater than 5 m a Tension spindle RS 270 - 390 RS is required at the panel joint. The tension 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.



Product Code	Description	Weight
392235	Anchoring rail RS	20.5 kg
392236	Screw jack foot RS	2.5 kg
392237	Detachable ratchet RS	1.7 kg
392240	Stop-end fixture RS	1.7 kg
392241	Tension spindle 270-390 RS	1.8 kg

CLIMBING FORMWORK

SAFE CLIMBING, QUICK AND SIMPLE SUSPENSION

A climbing scaffold has one important task: To utilise all technical advantages of a large-size wall formwork even in windy heights - with the same safety as at ground level.

For this purpose, climbing scaffold and wall formwork are connected. Bottom extensions are used to build secondary platforms. If a slide carriage is used, the formwork can be rolled back by 700 mm which provides sufficient working space for cleaning or rebar works, etc.

KLK 230 climbing scaffold consists of climbing brackets, wall struts, platform and guard railing. It serves as support platform for wall formwork. KLK 230 is ideally suited for:

- Industrial and civil engineering
- High-rise buildings
- Bridge and infrastructure projects

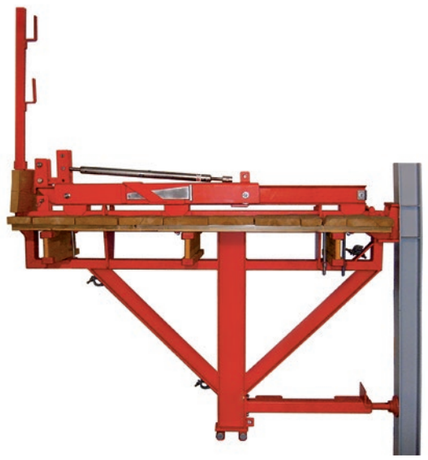
Wall Formwork - Climbing Formwork

Features & Benefits

Five-In-One
The climbing scaffold can be used as working scaffold, support platform for wall formwork, climbing formwork, tilting climbing formwork with slide carriage and as single-sided climbing formwork.

Slide carriage
The slide carriage allows sliding back the formwork by 700 mm from the wall without a crane. Platform and formwork remain connected as one unit. The overall platform width of 2300 mm provides sufficient working space even with the carriage slid back.

Thanks to clever engineering, the required number of brackets for the complete column could be limited to four. (Ödschlagtal bridge BAB 6 near Nuremberg/Germany).



APPLICATION

FEATURES	BENEFITS
Working scaffold with a platform width of 2,300 mm	Safe working even at great heights
Support platform for wall formwork: working scaffold with integrated formwork support to place the (separate) formwork on the bracket	Fast and safe mounting of the formwork with assembly locks
Climbing formwork: climbing scaffold with tightly connected, tilting formwork	Cost-effective climbing scaffold, scaffold and formwork can be moved by crane as one unit
Climbing formwork with slide carriage: the formwork is placed on the slide carriage which is tightly attached to the scaffold; sliding range 700 mm	• Simple sliding of the formwork - forward and backward • Sufficient working space for cleaning and rebar works • Complete unit can be moved in one lift
Single-sided climbing formwork: the concrete pressure is transferred through braces and the wall strut of the climbing bracket into the previous pour	Economical and safe climbing solution for single-sided formwork

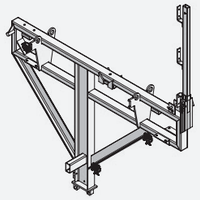
DESIGN

FEATURES	BENEFITS
• Sturdy brackets suited for a formwork height of up to 7.25 m • Suspension shoe with +/- 30 mm play	• Saves crane time by building large gangs • Practical suspension, simple and safe

Wall Formwork - Climbing Formwork

CLIMBING BRACKET KLK 230

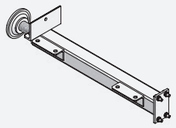
Solid steel construction; Painted. To build a climbing scaffold with folding guard-railing posts. Working width 2.30m.



Product Code	Description	Weight
388001	Climbing Bracket KLK 230	176.5 kg

WALL STRUT

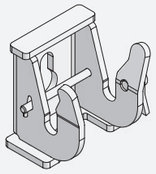
Coated, adjustable; is attached to the climbing bracket or the bracket extension to transfer the load into the wall (incl. 4 bolts M12x35).



Product Code	Description	Weight
388003	Wall Strut	17.3 kg

SUSPENSION SHOE KLK

Galvanised; with safety pin and uplift protection. It is connected to the climbing cone by using the suspension screw M24, and it serves to suspend the climbing bracket.



Product Code	Description	Weight
388004	Suspension Shoe KLK	13.7 kg

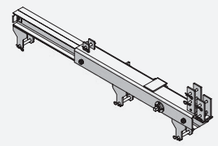
BRACKET EXTENSION

Painted; to form a secondary platform (width 900mm) together with a wall strut. Is attached at the bottom of a climbing bracket KLK.

Product Code	Description	Weight
388005	Bracket Extension 220	57 kg
388006	Bracket Extension 120	33 kg
388007	Bracket Extension 40	18.1 kg

SLIDE CARRIAGE

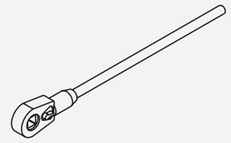
Painted; to move the formwork back and forth. The range of 700mm provides sufficient working space to install blockouts or reinforcement. A square spanner is used to slide the carriage. When supplemented with a formwork-clamping fixture, the slide carriage allows building a transport unit consisting of formwork and climbing scaffold.



Product Code	Description	Weight
388008	Slide Carriage	132 kg

SQUARE SPANNER

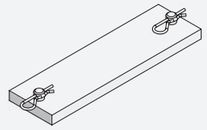
Galvanised; to operate the slide carriage. At least two spanners should be available on each construction site.



Product Code	Description	Weight
388009	Square Spanner (for carriage)	2.7 kg

FORMWORK ADAPTOR AS/ST

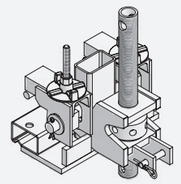
Coated; to connect AluStar or StarTec panels to the formwork clamping fixture KLK.



Product Code	Description	Weight
29-411-65	Formwork Adaptor AS/ST	5 kg

FORMWORK CLAMPING FIXTURE KLK

Painted; to fixate the wall formwork; adjustable in height, provided with a tilting hinge, can be used with or without slide carriage.

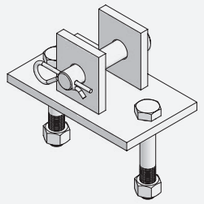


Product Code	Description	Weight
388012	Formwork Clamping Fixture KLK	40.8 kg

Wall Formwork - Climbing Formwork

BEARING FOR FORMWORK CLAMPING FIXTURE KLK

Painted; to connect the formwork clamping fixture to the climbing bracket KLK. It is required when the formwork clamping fixture is used without slide carriage.



Product Code	Description	Weight
388013	Bearing for Formwork Clamping Fixture KLK	2.7 kg

BRACE SRL 120

Galvanised; to press the formwork against the previous pour; it is always required when the formwork clamping fixture KLK is used.

71030	Brace SRL 120 (900mm–1500mm)	8.3 kg

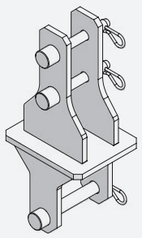
BRACE RSK

To press the formwork against the previous pour. It is used with single-sided climbing formwork (not shown).

388015	Brace RSK 1 (900mm–1500mm)	11 kg
71031	Brace RSK 170 (1200mm–2200mm)	12 kg

HOLDING DEVICE FOR PUSH-PULL PROPS

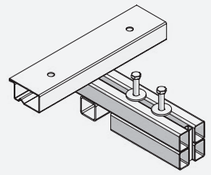
Galvanised; to attach push-pull props to brace the formwork when either the formwork support KLK or the formwork clamping fixture KLK without slide carriage are applied.



388017	Holding Device for Push-Pull Props	7.3 kg

FORMWORK SUPPORT KLK

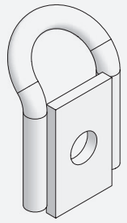
Galvanised; to place the (separate) formwork on the bracket; is used when neither a slide carriage nor a formwork clamping fixture are applied. The formwork is attached to the formwork support by Uni-assembly locks.



Product Code	Description	Weight
388018	Formwork Support KLK	12 kg

SAFETY EYE

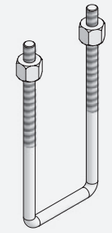
To attach the tensioning chain 20 kN as wind bracing. It is either mounted to the climbing cone by using a bolt M24x50 (SW36) (washer M24 required).



388020	Safety Eye	1.3 kg

BEAM CLAMP 295

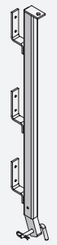
Galvanised; to clamp H20-girders or squared timber to the climbing bracket KLK when assembling the climbing scaffold.



388021	Beam Clamp 295	1.2 kg

EXTENSION FOR GUARD-RAILING KLK 230

Coated; inclination 20°: To extend the guard-railing of the KLK climbing scaffold by approx. 1.00m.

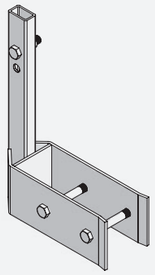


388109	Extension for Guard-Railing KLK 230	10.9 kg

Wall Formwork - Climbing Formwork

SUPPORT FOR GUARD-RAILING POST KLK

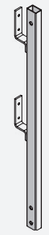
Galvanised; is attached to platform timber (width 100mm), incl. screws. It is used as an additional guard-railing post between climbing scaffolds KLK 230 and/or as side railing. The guard-railing post KLK is required in addition.



Product Code	Description	Weight
388023	Support for Guard-Railing Post KLK 230, galvanised	6.9 kg
388024	Support for Guard-Railing Post SDT, galvanised	5.4 kg

GUARD-RAILING POST KLK

Galvanised; suitable for support for guard-railing post KLK 230 and as replacement part for climbing scaffold KLK 230.



388025	Guard-Railing Post KLK 230	8.1 kg

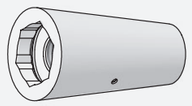
GUARD-RAILING POST

Galvanised; is attached to the support for guard-railing post SDT.

91310	Guard-Railing Post 100, galvanised	3.7 kg
91311	Guard-Railing Post 140, galvanised	4.7 kg

CLIMBING CONE 15/M24

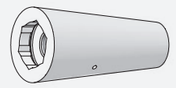
Silver chromated; to provide a suspension point for the climbing scaffold. Load capacity depends on ties and concrete quality. Suited for anchor plate 15/120 or 15/170.



388035	Climbing Cone 15/M24	1 kg

CLIMBING CONE 20/M24

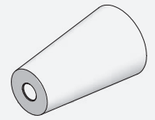
Yellow chromated; to provide a suspension point for the climbing scaffold. Load capacity depends on ties and concrete quality. Suited for anchor plate 20170.



Product Code	Description	Weight
388036	Climbing Cone 20/M24	1.3 kg

CONICAL SLEEVE

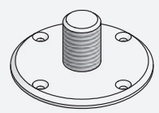
Suited for climbing cone 15/M24; to slip over climbing cone before concreting; makes it easier to remove climbing cone from set concrete.



29-412-95	Conical Sleeve	

POSITIONING DISC M24

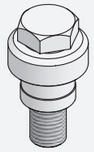
Galvanised; to attach the climbing cone to the forming face (4 drill holes of 5 mm diameter); the anchor plate has to be fixed additionally by wiring it to the rebars.



388037	Positioning Disc M24	0.3 kg

SUSPENSION SCREW M24

Black, SW36, with yellow chromate thrust ring. It serves to fix the suspension shoe to the climbing cone.

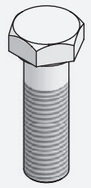


388038	Suspension Screw M24	0.7 kg

Wall Formwork - Climbing Formwork

HEXAGONAL SCREW M24X80, 10.9 BLACK DIN 931

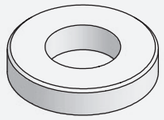
Black; spanner width 36 mm. To attach climbing cones to the forming face; is used instead of positioning disc M24 if forming face might be drilled. A washer M24 is required in addition.



Product Code	Description	Weight
388055	Hexagonal Screw M24 x 80, 10.9 Black DIN 931	0.4 kg

WASHER M24, GALVANISED, DIN 7349-25

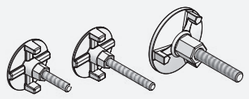
Galvanised; is required when the hexagonal screw M24x80 (M24x50) is used to attach climbing cones (safety eyes). Thickness of washer 10 mm.



Product Code	Description	Weight
62-030-50	Washer M24, galvanised DIN 7349-25	0.1 kg
29-412-78	Washer D40xD26x4, galvanised DIN 1440-26	

ANCHOR PLATE

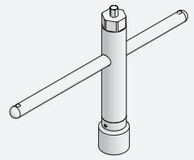
Uncoated; to anchor climbing cones in the concrete. The admissible load capacity depends on the installation depth of the anchor plate and the concrete strength at the time of loading.



Product Code	Description	Weight
29-412-30	Anchor Plate 15/12	0.8 kg
29-412-35	Anchor Plate 15/17	0.9 kg
29-412-37	Anchor Plate 20/17	1.9 kg

COMBINATION SPANNER

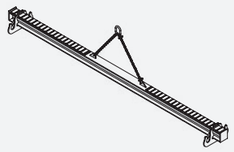
To remove the climbing cones (SW 36) and positioning discs (SW 12) as well as to operate suspension screws M24 (SW 36).



Product Code	Description	Weight
29-411-85	Combination Spanner	4.3 kg

TRANSPORT SPREADER KLK

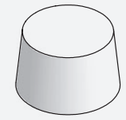
Coated; to move complete climbing scaffold units (width 2.35m–6.00m); max. load capacity 5t. Four lifting chains are additionally required (which can be cut to length). Please observe Instruction Manual.



Product Code	Description	Weight
388040	Transport Spreader KLK	520 kg
388041	Chain for Transport Spreader KLK	21.5 kg

CONCRETE CONE 56 X 40

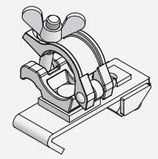
To close the holes in the concrete when climbing cones have been removed (p.u. 144 pcs.); used with concrete glue (A + B).



Product Code	Description	Weight
29-412-67	Concrete Cone 56 x 40	0.3 kg
53-210-70	Concrete Glue (A + B)	3 kg

SWIVEL TUBE COUPLER 48

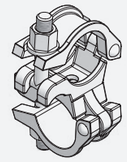
Galvanised; to mount scaffold tubes 48.3 mm diameter and to fasten the protective net.



Product Code	Description	Weight
388110	Swivel Tube Coupler 48	1.6 kg

RIGID COUPLER 48/48

Galvanised; to connect two scaffold tubes with 48.3mm diameter at an angle of 90° (spanner width 22mm).



Product Code	Description	Weight
68501	Rigid Coupler 48/48	1.1 kg

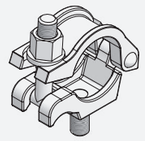
SWIVEL-JOINT COUPLER 48/48

Galvanised; to connect two scaffold tubes with 48.3 mm diameter at any angle required.

Product Code	Description	Weight
68502	Swivel-Joint Coupler 48/48	1.2 kg

BOLT-ON COUPLER 48/M14

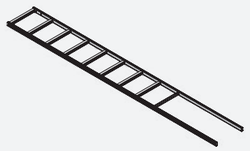
Galvanised; permits the attachment of scaffold tubes 48.3 mm diameter to support frames, climbing brackets etc.



Product Code	Description	Weight
71008	Bolt-On Coupler 48/M14	1 kg

LADDER 243

Galvanised; to provide access to KLK secondary platforms. It is attached to the access hatch KLK and fixed to the climbing bracket by means of a ladder fixture KLK. It can be extended with extension ladders. Safety cages are required for operational safety.



Product Code	Description	Weight
388042	Ladder 243	17.2 kg

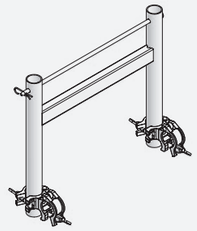
EXTENSION LADDER

Galvanised; is attached to the ladder by using the ladder link KLK to extend height. The extension ladder has to be secured with the ladder fixture KLK. Additional extension in increments of 300mm by hooking an extension ladder into the appropriate step.

93021	Extension Ladder 210	15.9 kg
388044	Extension Ladder 90	7.2 kg
388045	Extension Ladder 60	4.5 kg

LADDER FIXTURE KLK

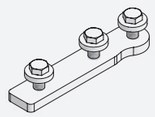
Galvanised; is attached to the scaffold tube units of the climbing scaffold by means of the integrated coupler. The ladder is secured to the ladder fixture with a long pin.



388046	Ladder Fixture KLK	7.4 kg

LADDER LINK KLK

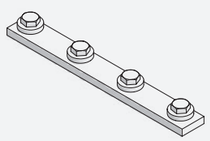
Galvanised; to connect two ladders in the transition from straight ladder to tilted ladder.



388047	Ladder Link KLK	0.7 kg

LADDER CONNECTOR

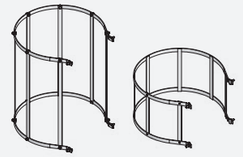
Galvanised; to connect the joint of two extension ladders without the need to hook one ladder into a step of the other.



93023	Ladder Connector	1 kg

SAFETY CAGE

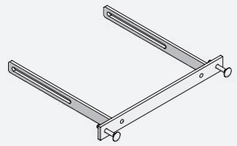
Galvanised; internal diameter 700 mm. Protects workers during ascending and descending. The safety cages are attached to the ladders or extension ladders with an integrated hammerhead screw.



Product Code	Description	Weight
93025	Safety Cage 85	12 kg
388050	Safety Cage 40	8.2 kg

LADDER BASE KLK

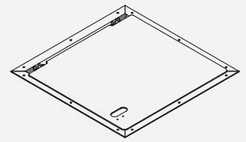
Galvanised; serves to fixate the ladder at the bottom with two bolts M12x80 to the planking (d=45 mm). It is provided with slotted holes (l=240 mm) to allow for height adjustment.



388051	Ladder Base KLK	4.6 kg

ACCESS HATCH KLK

Galvanised steel frame; checker plate as hatch; cataphoretic coating; max. opening 88°, self-closing.



388052	Access Hatch KLK	22.3 kg

Wall Formwork - Climbing Formwork

GUIDED CLIMBING MGC

MGC: CLIMBING HIGHER, CLIMBING SAFER

The MGC (MEVA Guided Climbing) System provides a significant advantage: bracket extensions, secondary platforms, ladder extensions, etc. are mounted from ground level below – under simple and safe assembly conditions.

The MGC System is a proven and cost-effective technology for buildings higher than 20 levels. The Guided Climbing System MGC ensures highest safety for high-rise construction projects, with wind velocities up to 70 km/h. The integrated screens are designed to meet the highest standards in international high-rise construction.

MEVA´s Guided Climbing System MGC comprises vertical formwork and safety platforms as a single unit. It remains securely attached to the building structure during building and lifting. Thus, wind velocities do not affect the building process. Assembly is at ground level for improved safety and speed.

The MGC system is designed to meet the highest standards in efficiency and safety:

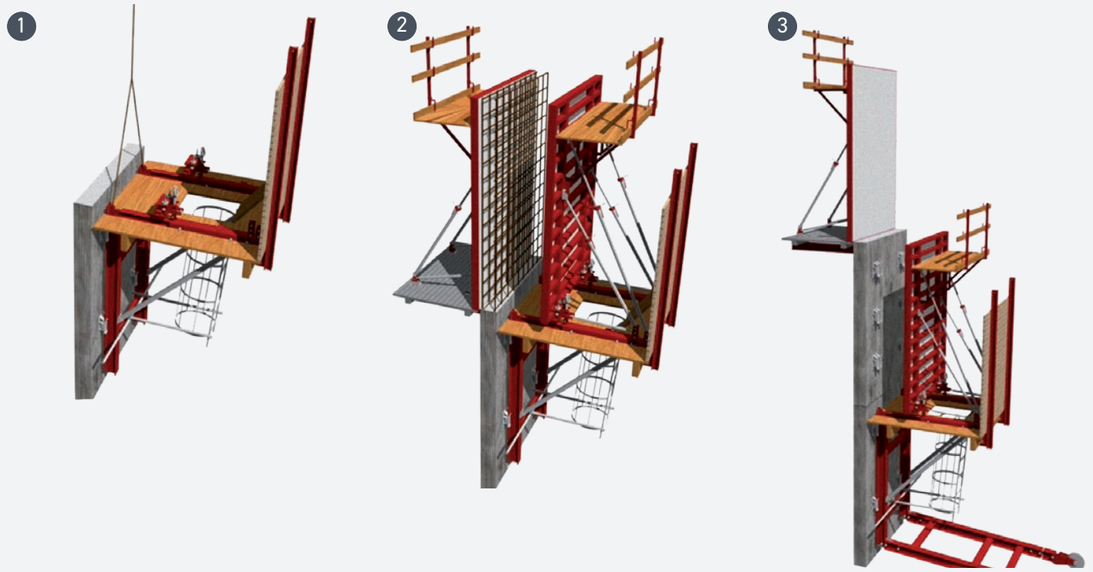
- Complementing the proven climbing scaffold MEVA KLK
- For high-rise construction above 20 levels

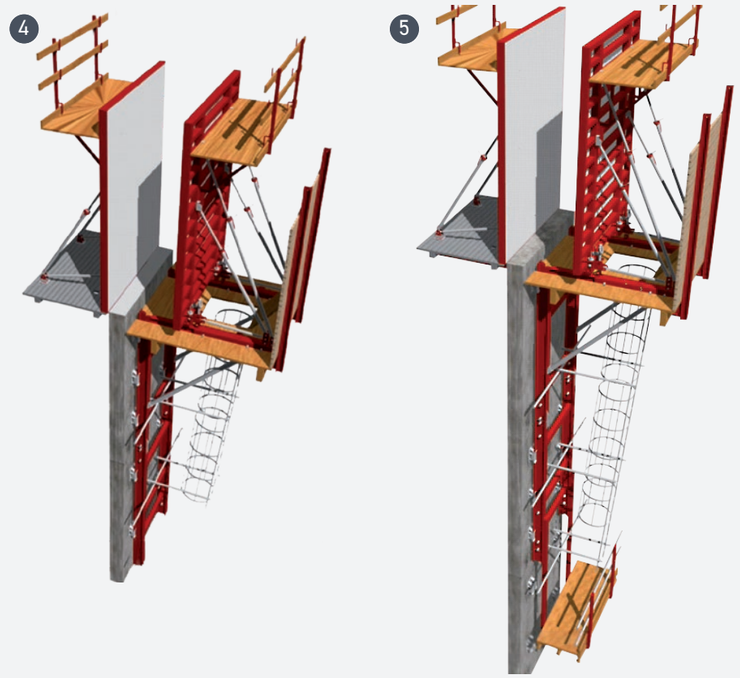
The Guided Screens System MGS is the MGC´s twin system for slabs. Highest safety is guaranteed by full side protection, enhanced by several technical advantages:

- Spacing of brackets is variable
- Level heights 3.00 m to 4.25 m
- Secondary platforms attachable to any bracket
- Integrated access system

Wall Formwork - Guided Climbing MGC

MGS is also assembled at ground level: All parts are lifted into the guide rails from below.





1. Assembling the climbing bracket on the 3.25m beginner
2. Closing the forms for pouring
3. Lifting the inner forms by crane; attaching the guide rail extensions at ground level
4. Lift cycle by crane; forms are moved away from wall by carriage; access extension is assembled
5. Another lift cycle; lifting of secondary platform

Features & Benefits

CONFIGURATION

FEATURES	BENEFITS
Modular system for climbing and screens	Simplest possible design and logistics
Always anchored to building throughout climbing process	Premium safety requirements fulfilled
Completely surrounded by screens	Optimum work safety and labour performance

DESIGN

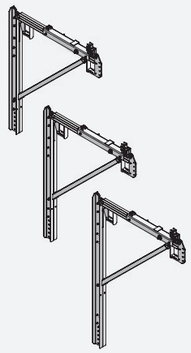
FEATURES	BENEFITS
Level heights from 3.00m to 4.25m	Flexible planning for all high-rise buildings
Working platforms attachable to rails at any point	Easiest application
Integrated ladder system	No additional access system required
Guided Climbing system assembled at ground level	Initial wall height of only 3.25m

CLIMBING PROCESS

FEATURES	BENEFITS
MGS Guided Screens crane-independent with hydraulic ram	Saves crane time
Free positioning of guide rails up to a width of 4.50m	Flexible building process
Simple, automatic climbing process	Reduces crane time
Wind velocity up to 70km/h	Reduces down-times due to wind

CLIMBING BRACKET MGC

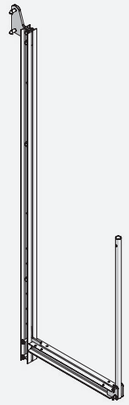
Pre-assembled and robust climbing bracket made of painted steel. It consists of a guiding profile, a safety catch, a horizontal waler with slide carriage and a brace. The guard-railing post must be ordered separately according to the planned solution (attachment of screens or trapezoidal sheets). Ledgers, threaded rods and matching stringers are required for the assembly of a complete platform. For transport reasons it can be helpful to order individual parts.



Product Code	Description	Weight
388150	Climbing bracket MGC 300	362.3 kg
388151	Climbing bracket MGC 320	371.7 kg
388152	Climbing bracket MGC 370	397.5 kg

SECONDARY PLATFORM (FOLDING BRACKET)

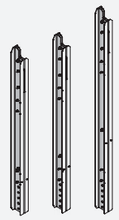
Steel construction, painted. The foldable bracket with integrated guard-railing posts is attached at the guiding profile extension by means of the integrated head bolts 25/50 and cotter pins. It is used to remove the climbing shoes and and cones, and allows the finishing work to be done. The exact position of the secondary platform depends on the position of the climbing shoes and thus also determines the position of the bottom ledgers.



388153	Secondary Platform	91 kg

GUIDING PROFILE MGC

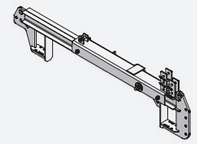
Steel, painted. Vertical profile in the bracket MGC that guides the bracket MGC in the climbing shoe. The safety catch and required spacer plates for the ledgers are integrated.



388154	Guiding profile MGC 300	167.5 kg
388155	Guiding profile MGC 320	176.9 kg
388156	Guiding profile MGC 370	202.7 kg

HORIZONTAL WALER MGC WITH SLIDE CARRIAGE

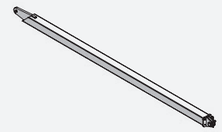
Steel, painted. Part of the bracket MGC. The slide carriage is used to slide the formwork back and forth by 70 cm. The slide carriage and formwork are one unit.



Product Code	Description	Weight
388157		160.4 kg

BRACE MGC

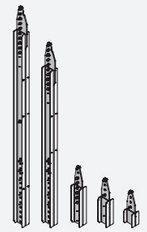
Steel, painted. Diagonal bracing of the bracket MGC. The guiding profile contains the connecting material. The brace contains one head bolt with pin for the connection with the ledger. The brace is integrated in the pre-assembled brackets MGC.



388158		34 kg

GUIDING PROFILE EXTENSION MGC

Steel, painted. Extends the climbing bracket and makes sure that the climbing unit is guided in the climbing shoe MGC. Delivery includes the connecting parts. Bracing is done with ledgers and tension rods.

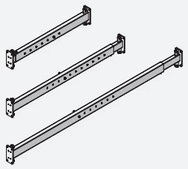


388159	Guiding profile extension MGC 400	238.7 kg
388160	Guiding profile extension MGC 325	200.5 kg
388161	Guiding profile extension MGC 80	53 kg
388162	Guiding profile extension MGC 55	38.8 kg
388163	Guiding profile extension MGC 30	24.4 kg

Wall Formwork - Guided Climbing MGC

LEDGER

Steel, galvanised. Can be extended like a telescope and ensures a firm horizontal connection of two climbing brackets/extensions MGC in increments of 5 cm. A platform unit requires a minimum of 3 ledgers, 2 ledgers are used in the climbing bracket area, 1 or 2 additional ledgers are used for the extensions. The tension rods for the diagonal bracing are attached at the integrated eyes. Delivery includes the screws to attach the tension rods.



Product Code	Description	Weight
388164	Ledger 1300 - 2000	25.9 kg
388165	Ledger 2000 - 3000	34.4 kg
388166	Ledger 3000 - 3600	45.6 kg

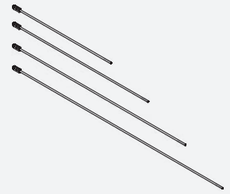
THREADED ROD LH

Steel, galvanised and yellow chromated for distinction from the threaded rods with righthanded thread (RH). Ø 16 mm, with a 10 cm long left-handed LH thread M16. Together with turnbuckle nuts M16 and attached to the ledgers MGC, the threaded rods LH and RH are used to diagonally brace the platform units. The connectors are provided with the ledgers.

Product Code	Description	Weight
388167	Threaded rod 60 LH (yellow - head blue)	1 kg
388168	Threaded rod 70 LH (yellow - head red)	1.3 kg
388169	Threaded rod 80 LH (yellow)	1.5 kg

THREADED ROD RH

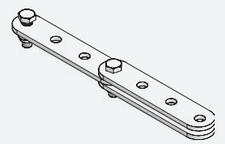
Steel, galvanised (silver). Ø 16 mm, with a 10 cm long right-handed RH thread M16. Together with turnbuckle nuts M16 and attached to the ledgers MGC, the threaded rods LH and RH are used to diagonally brace the platform units. The connectors are provided with the ledgers.



Product Code	Description	Weight
388170	Threaded rod 130 RH (silver - head red)	2.3 kg
388171	Threaded rod 180 RH (silver - head yellow)	3.1 kg
388172	Threaded rod 230 RH (silver - head green)	3.9 kg
388173	Threaded rod 280 RH (silver)	4.7 kg

TENSION ROD EXTENSION

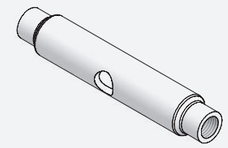
Galvanised flat steel construction. Allows the tension rods to be extended by 20 to 30 cm in increments of 5 cm. Several extensions can be used for the same tension rod. The ledger contains the connecting parts.



Product Code	Description	Weight
388174	Threaded rod extension	1.1 kg

TURNBUCKLE NUT M16

Steel, galvanised. Is screwed onto the M16 thread and used to connect the threaded rods LH and LR and to tense the tension rod built with the threaded rods. Adjustment range: 10 cm.



Product Code	Description	Weight
388175	Turnbuckle nut M 16	0.4 kg

Wall Formwork - Guided Climbing MGC

STEEL BEAM U 160

Steel, painted. Carries the platform planking. A square timber 160/80 to attach the planks can be attached at the drill holes in the steel beam web. The other drill holes are used to attach the steel beam to the climbing brackets and the side railings to the platform.

Product Code	Description	Weight
388177	Steel beam U160, l = 6000	115.5 kg
388178	Steel beam U160, l = 5000	93 kg
388179	Steel beam U160, l = 4000	75 kg
388179	Steel beam U160, l = 3000	54 kg

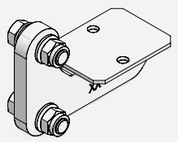
STEEL BEAM U 100

Steel, painted. Carries the platform planking. A square timber 100/80 to attach the planks can be attached at the drill holes in the Steel beam web. The other drill holes are used to attach the Steel beam to the climbing brackets and the side railings to the platform.

388180	Steel beam U100, l = 6000	63 kg
388181	Steel beam U100, l = 5000	52.2 kg
388182	Steel beam U100, l = 4000	41.6 kg
388183	Steel beam U100, l = 3000	31.0 kg

TIMBER FIXTURE U 100

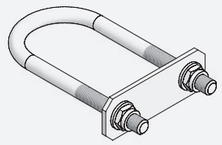
Steel, galvanised. For attachment of square timber to mount trapezoidal sheets or plywood for weather protection or blinds.



388188		3.6 kg

TUBE BRACKET U 100

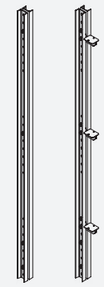
Steel, galvanised. To attach scaffold tubes 48 mm (as a handrail or to attach safety screens) horizontally or vertically to guard-railing posts.The quantity per guard-railing post depends on the number of planned scaffold tubes.



388189		1.1 kg

GUARD-RAILING POST

Double U 100 steel construction, painted. When assembled, the guard railing is approx. 3.00 m high (the height depends on the selected planking). Basic version without connectors, that means that the attachment parts for scaffolding tubes have to be ordered separately (connectors for scaffolding tubes to attach the safety mesh). The amount of connectors depends on the selected solution. The guard-railing post with timber fixtures contains 3 pre-assembled timber fixtures.



Product Code	Description	Weight
388184	Guard railing post 100/3000	72.8 kg
388185	Guard-railing post 10/300 - timber fixture	82.3 kg

SIDE-GUARD POST 100/3000

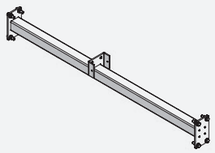
Steel construction with U 100, painted. When assembled the guard railing is approx. 3.00 m high (the height depends on the selected planking). The post is used as side protection or at the outside corners of the platforms. It is attached to the web of the steel beams or by using the support for side railing. The attachment parts for scaffolding tubes (connectors for scaffolding tubes to attach the safety mesh) or sqare timber (timber fixture U 100 to attach trapezoidal sheets or plywood) have to be ordered separately. The amount of connectors depends on the selected solution. The screws for the attachment to the platform are included in the delivery.

388186		35.7 kg

Wall Formwork - Guided Climbing MGC

ADAPTER FOR SIDE-RAILING POST

Steel girder, painted. Is placed between the two stringers and attached at the steel beam web. The connectors are included in the delivery



Product Code	Description	Weight
388187		23.9 kg

GUARD RAIL POST 100/3700

Steel, painted. To extend guard rail post and side guard post downwards (guard railing and side railing of the lower platforms).

29-942-10	Guard Rail Post 100/3700	81.6 kg

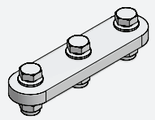
GUARD RAIL POST 140/3000 WITH TIMBER FIXTURE

Steel, painted. It is used for safety and weather protection of the MGS unit. It is mounted to the top platform profile for attachment of square timber and the trapezoidal sheets.

29-942-30		124.3 kg

COUPLER GUARD RAILING POST

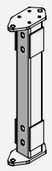
Galvanised. To extend the guard railing post downwards (guard railing and side railing of the lower platforms).



29-944-10		3.4 kg

SUPPORT FOR SIDE RAILING

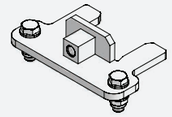
Galvanised. For attachment of a side railing to the MGS units.



29-944-40		10.5 kg

CONNECTION FOR SIDE RAILING

Galvanised. For attachment of a side railing. It is mounted to the steel beams.



Product Code	Description	Weight
29-944-45	Connection For Side Railing	2.7 kg

SIDE-RAILING POST FOR SECONDARY PLATFORM

Steel, galvanised. Is used on the sides of the secondary platforms and attached to the webs of the stringers U 100. Delivery includes the screws for attachment to the stringers.

388190	Side-Railing Post For Secondary Platform	6.1 kg

GUARD-RAILING POST 48/1300

Galvanised. The safety mesh of the secondary platform is plugged into the guard-railing post 48/1300.

388191	Guard-Railing Post 48/1300	7.9 kg

EXTENSION FOR GUARD-RAILING POST 48/600

Galvanised. Is used to extend the guard-railing post 48/1300 by using the Pin 14/90. Pin 14/90 (Ref. No. 29-090-94) must be ordered separately.

388192	Extension For Guard-Railing Post 48/600	2.9 kg

TRAPEZOIDAL PERFORATED SHEET

Painted. Is used for safety and weather protection of MGC or MGS units.

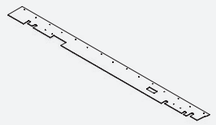
388194	Trapezoidal perforated sheet 915/1600	11 kg
388193	Trapezoidal perforated sheet 915/3000	21.5 kg

Wall Formwork - Guided Climbing MGC

TRAPEZOIDAL SHEET
Painted. Is used for safety and weather protection of MGC or MGS units.

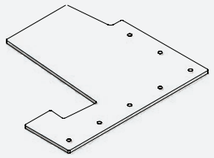
Product Code	Description	Weight
29-945-80	Trapezoidal sheet 915/3000	29.5 kg
29-945-85	Trapezoidal sheet 915/1600	25.7 kg

COVER MGC
Galvanised. Is used to precisely cover the MGC bracket. The remaining area of the MGC platform is covered with SH 10 planks.



Product Code	Description	Weight
388198	Cover MGC	12.5 kg

COVER SHEET
Galvanised. It is used as a safety device and covers openings around the guiding profiles and the suspension shoes of the MGS system.

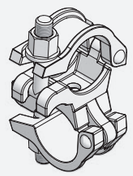


Product Code	Description	Weight
29-944-85	Cover Sheet	1 kg

PIN 14/90
Galvanised, Ø 14 mm, self-locking. Is plugged through the coupling pin 48 LAB and guardrailing post, and thus secures the coupling pin to the guard-railing post.

Product Code	Description	Weight
89013	Pin 14/90	0.1 kg

RIGID COUPLER 48/48
Galvanised. Connects 2 scaffold tubes with Ø 48.3 mm at an angle of 90° (SW 22).



Product Code	Description	Weight
68501	Rigid Coupler 48/48	1.1 kg

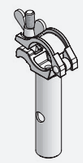
SWIVEL-JOINT COUPLER 48/48
Galvanised. Connects 2 scaffold tubes with Ø 48.3 mm at any angle (SW 22).

Product Code	Description	Weight
68502	Swivel-Joint Coupler	1.2 kg

BOLT-ON COUPLER 48/M14
Galvanised. Connects scaffold tubes with Ø 48.3 mm to the support frame, scaffolding bracket MGC, etc.

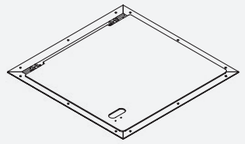
Product Code	Description	Weight
71008	Bolt-On Coupler 48/M14	0.6 kg

COUPLING PIN 48 LAB
Galvanised. Is used to attach a scaffold tube to a guard-railing post, e.g. when using guard nets. Is attached to the guard-railing post with pin 14/90.



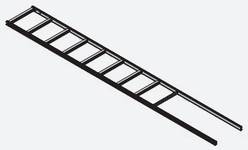
Product Code	Description	Weight
388071	Coupling Pin 48 Lab	1.3 kg

ACCESS HATCH KLK
Galvanised steel frame. Hatch made from checker plate. Cataphoretic coating; max. opening 88°, self-closing.



Product Code	Description	Weight
388502	Access Hatch KLK	22.3 kg

LADDER 243
Steel, galvanised. 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.



Product Code	Description	Weight
388042	Ladder 243	17.2 kg

Wall Formwork - Guided Climbing MG

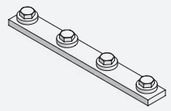
EXTENSION LADDER

Galvanised. Extends ladder 243.

Product Code	Description	Weight
388056	Extension ladder 270	19.2 kg
388043	Extension ladder 210	15.9 kg
388057	Extension ladder 120	8.5 kg
388044	Extension ladder 90	7.4 kg
388045	Extension ladder 60	4.4 kg

LADDER CONNECTOR

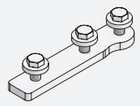
Galvanised. Connects two ladders at the joint without the need to hook one ladder into a step of the other.



Product Code	Description	Weight
388048	Ladder Connector	1 kg

LADDER LINK

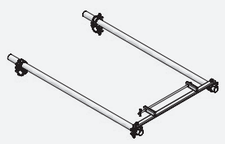
Galvanised. Is used to connect a straight ladder with a tilted ladder. The ladder link set comes with 2 ladder links, a long pin 12/580 and a cotter pin 4. The required connectors are included in the delivery.



Product Code	Description	Weight
388058	Ladder link set	1.8 kg

LADDER FIXTURE

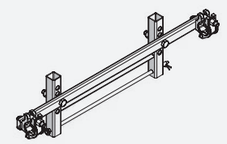
Galvanised. Is attached to the horizontal scaffold tubes (at the guiding profiles and at the railing of the secondary platform) using the integrated couplers. The ladder is secured to the ladder fixture with long pin 12/580 (included in the delivery). The optimum distance to the guiding profiles of the climbing bracket can be set with tube couplers.



Product Code	Description	Weight
388059	Ladder fixture 150	18.5 kg
388060	Ladder fixture 130	17.1 kg

LADDER FIXTURE (RAILING)

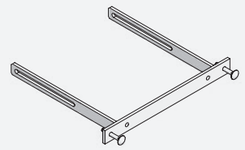
Galvanised. Is attached to horizontal scaffold tubes or guiding profiles with the integrated couplers. The ladder is secured to the ladder fixture with a long pin.



Product Code	Description	Weight
388061	Ladder Fixture (Railing)	6.5 kg

LADDER BASE KLK

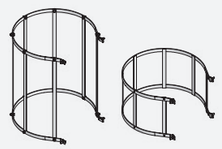
Galvanised. Is used to attach the ladder at its bottom with 2 bolts M12x80 to the planking (45 mm thick). Has a 24 cm long hole to allow for height adjustment.



Product Code	Description	Weight
388501	Ladder Base KLK	4.6 kg

SAFETY CAGE

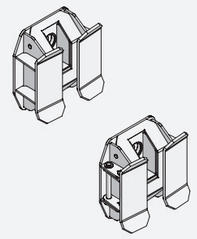
Galvanised; internal diameter 70 cm. Protects workers when ascending and descending. The safety cages are attached to the ladders or extension ladders with an integrated hammerhead screw.



Product Code	Description	Weight
93024	Safety Cage 210	27.9 kg
93025	Safety Cage 85	12 kg
388050	Safety Cage 40	8.2 kg

CLIMBING SHOE MGC

Steel, painted. The climbing shoes are used to suspend the brackets MGC at the safety catches integrated in the climbing brackets. They also make sure the climbing unit is guided at the building wall while climbing. Depending on the planning, climbing shoes with swivel-guide are attached at the first pouring section so that the guiding profile extension can be swivelled into place.

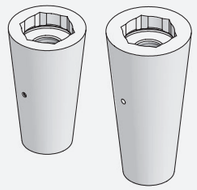


Product Code	Description	Weight
388199	Climbing Shoe MGC	20.2 kg
388200	Climbing Shoe MGC with Swivel-Guide	21.7 kg

Wall Formwork - Guided Climbing MGC

CLIMBING CONE

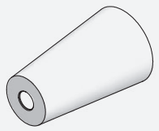
Galvanised or yellow chromated. To suspend the climbing bracket MGC or MGS units. Serves both as a positioning and climbing cone. Admissible load depends on anchor and concrete quality. Climbing cone M15/24 is used together with anchor plate 15/120 or 15/170 (see approval no. 21.6-1751 granted by the DIBt). Climbing cone 20/M24 is used with anchor plate 20/170.



Product Code	Description	Weight
388035	Climbing cone 15/M24	1 kg
388036	Climbing cone 20/M24	1.33 kg

CONICAL SLEEVE

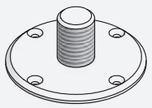
For climbing cone 15/M24. Plugged over the climbing cone before pouring, the conical sleeve makes it easier to remove the climbing cone from the set concrete.



412-95		0.1 kg

POSITIONING DISC M24

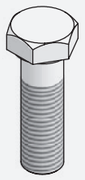
Galvanised. Is used to attach the climbing cone to the facing (4 drill holes of Ø 5mm); the anchor plate must be secured additionally, e.g. by wiring it to the rebars.



388037		0.3 kg

HEXAGONAL SCREW M24X60, 10.9 BLACK, ISO 4017

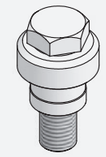
Black; spanner width 36 mm. Is used to attach the climbing shoes to the climbing cones (with washer D40xD26x4) and the climbing cones to the facing. Is used instead of positioning disc M24 if the facing can be drilled.



63-119-48		0.1 kg

SUSPENSION SCREW M24

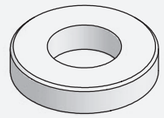
Black; spanner width: 36 mm, yellow chromated thrust ring. It serves to attach the suspension shoe to the climbing cone.



Product Code	Description	Weight
388054		0.8 kg

WASHER D40XD26X4, GALV., DIN 1440-26

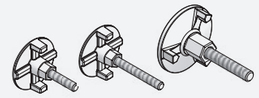
Galvanised. Is required when using the hexagonal screw M24x60 to attach climbing shoes to the facing. Thickness of washer 4 mm.



29-412-78		0.1 kg

ANCHOR PLATE

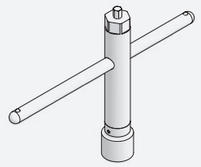
Uncoated; to anchor climbing cones in the concrete. The admissible load depends on the installation depth of the anchor plate and the concrete strength at the time of loading, see approval no. 21.6-1751 by the DIBt.



29-412-30	Anchor plate 15/120	0.8 kg
29-412-35	Anchor plate 15/170	0.9 kg
29-412-37	Anchor plate 20/170	1.9 kg

COMBINATION SPANNER FOR CLIMBING CONE

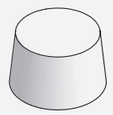
Used to remove the climbing cones (internal hexagonal, SW 36) and positioning disc (internal hexagonal, SW 12) as well as to operate suspension screws M24 (SW 36).



29-411-85		4.3 kg

CONCRETE CONE 56 X 40

Closes the holes in the concrete when climbing cones have been removed (p.u. 144 pcs.). Is used with concrete glue (A + B). Glue lasts for about 150 concrete cones.

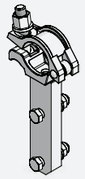


29-412-67	Concrete cone 56 x 40	0.3 kg
53-210-70	Concrete glue (A + B)	1 kg

Wall Formwork - Guided Climbing MGC

COUPLER 48 - GUIDING PROFILE

Galvanised. It is mounted to the guiding profile to attach scaffolding tubes directly to the guiding profile.



Product Code	Description	Weight
29-944-50		1.7 kg

SCREWS FOR ATTACHMENT OF TRAPEZOIDAL SHEETS

63-010-30	Self drilling screw 5.5x50	3.5 kg
63-010-32	Self drilling screw 5.5x25	1.8 kg

SCREWS FOR ATTACHMENT OF SQUARE TIMBER 10/16

63-135-15	Carriage bolt M12x130	
63-130-10	Hexagonal locking nut M12 galv. DIN 985	5 kg
62-030-40	Washer M12 black DIN 125	0.5 kg

SCREWS FOR ATTACHMENT OF SQUARE TIMBER 8/14

63-135-18	Carriage bolt M12x100	
63-130-10	Hexagonal locking nut M12 galv. DIN 985	5 kg
62-030-40	Washer M12 black DIN 125	0.5 kg

SCREWS FOR ATTACHMENT OF PLANKS/ BOARDS 5/14

63-134-05	Coach bolt M12x70 galv. DIN 603	
63-130-10	Hexagonal locking nut M12 galv. DIN 985	5 kg
62-030-40	Washer M12 black DIN 125	0.5 kg

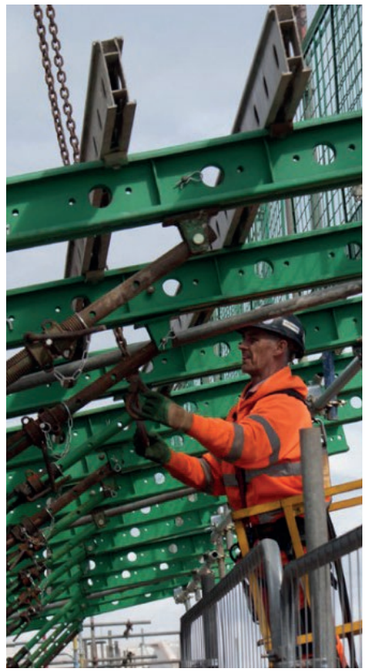
SCREWS FOR ATTACHMENT OF PLANKING

Product Code	Description	Weight
63-010-67	Wood countersunk screw 6.0x120 Torx galv	1.6 kg

SCREWS FOR ATTACHMENT OF STEEL BEAMS

63-120-59	Hexagonal bolt M12x45 galv. DIN 931	1 kg
63-130-10	Hexagonal locking nut M12 galv. DIN 985	5 kg
62-030-41	Washer M12 galv. DIN 125	0.5 kg
63-030-28	Washer (wedge) 14 [M12] DIN 434 galv	

Wall Formwork - Guided Climbing MG



SLIMLITE SOLDIERS

Slimlite Soldiers are designed to be an economic high strength backing member for all formwork applications. With a range of accessories they can be combined to form a variety of structures, some examples are:

- Travelling tunnel forms
- Travelling gantry systems to handle wall forms or to provide support to over hanging insitu deck edge construction
- Façade support frame works
- Temporary foot bridges
- Trusses to span openings
- Truss to provide long span clear roof support
- Waling frame for cofferdam supports
- Heavy duty towers and struts

The units are made of high grade steel with a compact yet strong section, spliced end to end they can constructed to any desired length.

FEATURES	BENEFITS
High grade steel	Light compact section
Open web construction	Allows ties to be fitted at any position
Welded external stiffener	Allows high moments and tie forces to be applied
Spliced ends	High bending moment at joint, less restriction on tie positions
Range of accessories	Allows almost any configuration to be constructed
Compact stiffened section	Gives higher axial loading
Shallow depth	Allows for working in very confined spaces

Wall Formwork - Slimlite Soldiers

SLIMLITE SOLDIER
Twin channel compact section steel soldier. Allows ties at any point in the length of the unit.

Product Code	Description	Weight
94083	0.6M Galv Mk3 Slimlite Soldier	10 kg
94079	0.9M Galv Mk3 Slimlite Soldier	15kg
394077	1.8M Galv Mk3 Slimlite Soldier	30 kg
394078	1.2M Galv Mk3 Slimlite Soldier	20 kg
394076	2.7M Galv Mk3 Slimlite Soldier	45 kg
394075	3.6M Galv Mk3 Slimlite Soldier	60 kg

SLIMLITE H.D. SHORE ADAPTOR
Used each end of the soldier section to construct a heavy duty prop unit.

94014	Slimlite H.D. Shore Adaptor (R.Hand)	25 kg
94015	Slimlite H.D. Shore Adaptor (L.Hand)	25 kg

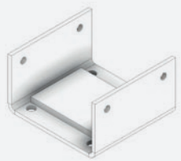
24MM H.T. SWIVEL PIN
Used as a high load shear pin for connection of shore adaptor and various fittings.

94016	24 mm H.T. Swivel Pin	0.5 kg

H.D. SHORE ADJUSTER SHOE
Provides the facillity to adjust high duty props when they are laced together.

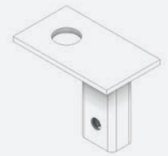
94018	H.D.Shore Adjuster Shoe	0.8 kg

FIXED SHORE U-HEAD
Allows the high duty prop to support a bearer up to 180mm wide.



94019	Fixed Shore U-Head	7.9 kg

SLIMLITE U-HEAD BRACKET
Device to allow adjustable U-heads or bases to be fitted in horizontal soldiers.



Product Code	Description	Weight
94020	Slimlite U-Head Bracket	1.8 kg

CHANNEL SPLICE (PART)
Allows end to end connection of soldiers, and provides a moment capacity joint, requires four splice bolts and nuts.

94021	Channel Splice (Part)	5.7 kg

SLIMLITE HOLDING DOWN BRACKET
Device to allow soldiers to be fixed down when constructing single faced walls. Requires a 24mm shear pin and spring clip to attach soldier.

94025	Slimlite Holding Down Bracket	7.2 kg

T/W HOOK BOLT C/W NUTS & WASHERS
Used to fix timber walers to soldiers in wall form applications.

94026	T/W Hook Bolt c/w Nuts & Washers	1.3 kg

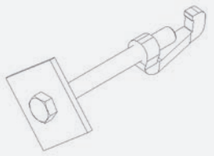
SLIMLITE LIFTING EYE
Attaches to the end of the soldier with two splice bolts and nuts. Allows a lifting shackle to be fitted to a form for lifting.

94027	Slimlite Lifting Eye	3.5 kg

Wall Formwork - Slimlite Soldiers

SYSTEM PANEL CONNECTOR COMPLETE

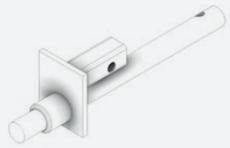
Used to connect soldiers to lightweight formwork systems and for soldier to U-head connections.



Product Code	Description	Weight
94028	System Panel Connector Complete	0.3 kg

THRUSTER JACK COMPLETE

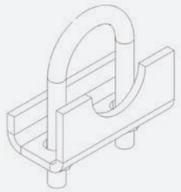
This unit is used for plumbing vertical or levelling horizontal single sided forms. It is fitted to the soldier at any one of the 17mm diameter hole positions, by means of a rivet head pin and spring clip.



Product Code	Description	Weight
94029	Thruster Jack Complete	5.75 kg

TUBULAR WALING CONNECTOR COMPLETE

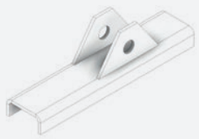
Used to connect soldiers to lightweight formwork systems and for soldier-to-tube connections.



Product Code	Description	Weight
94030	Tubular Waling Connector Complete	1.2 kg

SUPPORT PLATE/ROCKER FOOT

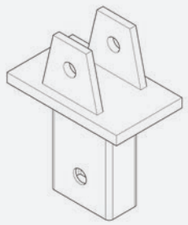
Fitted at the base of the soldier when used in wall formwork, it provides support for the self weight of the forms.



Product Code	Description	Weight
94031	Support Plate/Rocker Foot	2.2 kg

PUSH-PULL PROP CONNECTOR

Used to connect standard props to soldiers for smaller wall forms.



Product Code	Description	Weight
94035	Push-Pull Prop Connector	2.7 kg

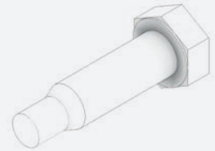
3-BOARD PLATFORM BRACKET

Pinned to the soldier to provide support for scaffold boards for access platforms.

Product Code	Description	Weight
94037	Slimlite Holding Down Bracket	6.0 kg

M24 SPLICE BOLT

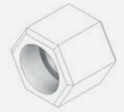
Used to connect splice plates to soldiers when joining end-to-end.



Product Code	Description	Weight
94045	M24 Splice Bolt	0.38 kg

M24 SPLICE NUT

Used to connect splice plates to soldiers when joining end-to-end.



Product Code	Description	Weight
94046	M24 Splice Nut	0.18 kg

RIVET HEAD PIN

Used to attach fittings and bracketry to the soldier. Should always have a spring clip fitted.

Product Code	Description	Weight
94048	Rivet Head Pin	0.01 kg
94148	Rivet Head Pin - Extended	0.2 kg

SPRING CLIP

Used with rivet head pins and 24mm shear pins to prevent them being dislodged.

Product Code	Description	Weight
94049	Spring Clip	0.1 kg

Wall Formwork - Slimlite Soldiers

MULTIJOINT BODY

The Multijoint is used to connect Slimlite Soldiers when they are to be linked as towers or as a single line of supports. The unit is positively connected to any one of the large 63mm diameter holes spaced at 300mm centres along the soldier.

Product Code	Description	Weight
94050	Multijoint Body	16.0 kg

MULTIJOINT LANDING BRACKET

Fittted to the ends of horizontal soldiers and attached to Multijoint assembly when forming towers.

Product Code	Description	Weight
94051	Multijoint Landing Bracket	1.1 kg

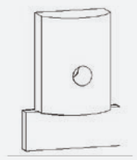
M24 FEMALE MULTIJOINT BOLT

Used with splice bolt to attach the multi joint assembly to the vertical soldier.

Product Code	Description	Weight
94052	M24 Female Multijoint Bolt	0.5 kg

TIE BEARING

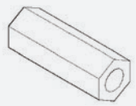
Fitted in the 63mm holes in the soldier webs to allow Dywidag tie rod bracing to be used.



Product Code	Description	Weight
94053	Tie Bearing - Threaded (M20)	1.25 kg
94054	Tie Bearing - Plain	1.25 kg
94055	Tie Bearing - Threaded	1.25 kg

EXTENDED NUT

Used in conjunction with a plain tie bearing to allow bracing to be tensioned.



Product Code	Description	Weight
94056	Extended Nut	0.6 kg

PLAN BRACE BOSS

Fitted in the 63mm holes in the soldier web to provide plan bracing on framework type structures.

Product Code	Description	Weight
94057	Plan Brace Boss	1.7 kg

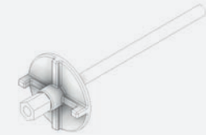
PLAN BRACE WASHER

Used with the plan brace boss to give a bearing for the nuts on the tie rods.

Product Code	Description	Weight
94058	Plan Brace Washer	0.2 kg

15MM M-FLANGE SCREW 250MM

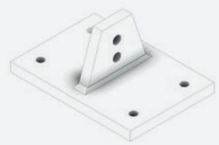
Used to attach slimlite soldiers to Meva system formwork panels.



Product Code	Description	Weight
94060	15mm M-Flange Screw 250mm	1.3 kg

FAÇADE BASE PLATE

Fitted at the base of soldier towers when high axial loads in the vertical leg are envisaged.



Product Code	Description	Weight
94061	Façade Base Plate	31.0 kg

FAÇADE BASE SPLICE (PART)

Used to connect the façade base to the soldier. Requires two splice bolts and nuts and a 24mm shear pin and spring clip.

Product Code	Description	Weight
94062	Façade Base Splice (Part)	4.45 kg

Wall Formwork - Slimlite Soldiers

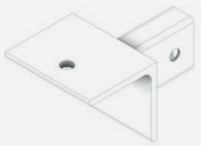
SLIMLITE PLAIN BASE

Provides a simple base plate when working from flat floors fitted using a rivet head pin and spring clip.

Product Code	Description	Weight
94065	Slimlite Plain Base	8.9 kg

ANGLE ATTACHMENT

Pinned to the 17mm holes in the soldier allowing a support point at any point along the soldier. Requires a rivet head pin and spring clip.



Product Code	Description	Weight
94071	Angle Attachment	2.7 kg

HD SHORE ATTACHMENT

Pinned to the 17mm holes in the soldier these allow high duty propping to be fitted to forms for alignment. Requires two rivet head pins, a 24mm shear pin and three spring clips.

Product Code	Description	Weight
94080	HD Shore Attachment 60mm (White)	8.0 kg
94081	HD Shore Attachment 90mm (Red)	8.2 kg
94082	HD Shore Attachment 120mm (Blue)	8.4 kg

PUSH-PULL SPACER TUBE

Fitted in the outer section of standard push-Pull props they allow props to be connected to the standard push-Pull prop connector.

Product Code	Description	Weight
94204	Push-Pull Spacer Tube 250mm	0.9 kg

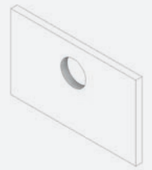
CO-PLANAR BRACKET

Fitted to soldiers to allow Co-Planar scaffold system to be used to form towers or box beam type construction.

Product Code	Description	Weight
94221	Co-Planar Bracket (Type 1)	2.1 kg
94222	Co-Planar Bracket (Type 2)	3.1 kg

CO-PLANAR BRACKET WASHER

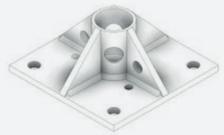
Used with Co-Planar bracket when the bracket is not at a soldier splice plate location.



Product Code	Description	Weight
94223	Co-Planar Bracket Washer	0.2 kg

DETACHABLE RIGID BASE

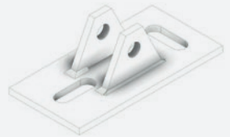
Rigid base plate fitted to the 50mm screw jacks of high duty props. For vertical or horizontal work.



Product Code	Description	Weight
94317	Detachable Rigid Base	5.6 kg

SWIVEL END PLATE

Swivel base plate fitted to the 50mm screw jacks of high duty props. For all work not at right angle to the prop line.

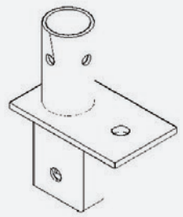


Product Code	Description	Weight
94318	Swivel End Plate	5.4 kg

Wall Formwork - Slimlite Soldiers

HANDRAIL BRACKET (STANDARD)

Fitted to horizontal soldiers with a rivet head pin and spring clip, it provides a connection for handrail posts.



Product Code	Description	Weight
94711	Handrail Bracket (Standard)	2.4 kg

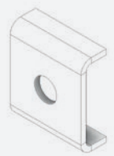
TRUSS - PLAIN BEARING BUSH

Used to fit truss struts to the 63mm holes in the soldier when constructing a truss 1,500mm deep

94920	Truss - Plain Bearing Bush	1.0 kg

TRUSS - BEARING BUSH WASHER

Used with an M20 x 50 set screw to retain the bearing bush in the soldier.



94924	Truss - Bearing Bush Washer	0.2 kg

TRUSS STRUT

Used with bearing bushes and washers to form a truss 1,500mm deep.

94933	Truss Strut 1.5m	14.2 kg

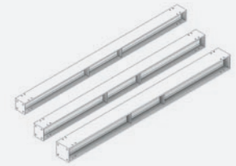
SOLDIER HINGE BRACKET

Used to connect two soldiers inline and allow an articulated joint to be formed through any angle from 55 degrees to180 degrees. Requires one number M30 x 130 bolt and nut and four number Slimlite soldier splice bolts and nuts for assembly.

Product Code	Description
394024	Soldier Hinge Bracket

STEEL BEAM NEEDLES

European HEB sections 140, 160 and 180 depth are used to ensure that they can be fitted into any commercially available U heads these beams offer high strength for a compact section. This means a smaller hole is required to install the needle. Various lengths are available to suit all applications. Load graphs available on request.



394950	Steel Beam Needle 140 Section x 2.4m
394951	Steel Beam Needle 140 Section x 3.0m
394952	Steel Beam Needle 140 Section x 3.6m
394953	Steel Beam Needle 160 Section x 2.4m
394954	Steel Beam Needle 160 Section x 3.0m
394955	Steel Beam Needle 160 Section x 3.6m
394956	Steel Beam Needle 180 Section x 2.4m
394957	Steel Beam Needle 180 Section x 3.0m
394958	Steel Beam Needle 180 Section x 3.6m

GALVANISED SPLICE UNITS

An addition to the Slimlite soldier that allows for minor length changes of an assembled set of soldiers. Always used in the main body length they allow for an increase of 75 or 100mm. Primarily designed to ensure tie layouts can be matched to architectural finishes and plywood sheet sizes. They are also useful to adjust the lengths of waler beams in façade retention applications.

	Galvanised Units 75mm
	Galvanised Splice Units 100mm

Wall Formwork - Slimlite Soldiers

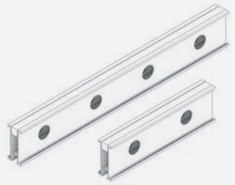
SUPER A-BEAM

FEATURES	BENEFITS
Durable Aluminium Extrusion	Does not warp or split like timber. Does not corrode like steel sections
Versatile	Can be used in any application requiring support members, primary and secondary bearers for soffit support or waling beams for wall forms
Adaptable	With a comprehensive range of accessories, it is possible to construct many complex shutters without the need for expensive and awkward make-up pieces
Compatability	The 75mm width of the beam easily allows it to be used as a single or twin bearer in almost any available scaffold 'U' head
High Strength	Super A-Beam has an exceptionally high strength to weight ratio, which has been achieved by using high performance aluminium alloy and specially designed extruded profile, the section is equivalent to a twin 225mm x 75mm timber bearer
Slotted and Holed	To achieve a greater flexibility in uses, slots are provided to allow tie rods to be used through the section. Holes in the webs allow connections using various threaded insert components
Fast and Accurate	Thanks to timber inserts and special extruded sections, the making and fixing of formwork shutters is both simple and accurate

Wall Formwork - Super A-Beam

SUPER A-BEAM

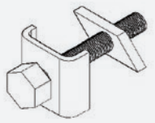
The Super A-Beam is a twin web extruded aluminium profile with an exceptional strength to weight ratio, equivalent in strength to two 225mm x 75mm (9" x3") timbers.



Product Code	Description	Depth/Width	Weight
90961	0.6m Super A-Beam	(170mm/75mm)	3.3 kg
90974	0.9m Super A-Beam	(170mm/75mm)	4.99 kg
90962	1.2m Super A-Beam	(170mm/75mm)	6.65 kg
90973	1.5m Super A-Beam	(170mm/75mm)	8.31 kg
90963	1.8m Super A-Beam	(170mm/75mm)	9.97 kg
90964	2.4m Super A-Beam	(170mm/75mm)	13.3 kg
90965	3.0m Super A-Beam	(170mm/75mm)	16.62 kg
90966	3.6m Super A-Beam	(170mm/75mm)	19.94 kg
90967	4.2m Super A-Beam	(170mm/75mm)	23.27 kg
90968	4.8m Super A-Beam	(170mm/75mm)	26.59 kg
90969	5.4m Super A-Beam	(170mm/75mm)	29.92 kg
90970	6.0m Super A-Beam	(170mm/75mm)	33.24 kg
90971	6.6m Super A-Beam	(170mm/75mm)	36.30 kg
90972	7.2m Super A-Beam	(170mm/75mm)	39.89 kg

SUPER A-BEAM CLAMP AND BOLT

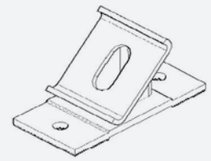
For attaching Super A-Beam walers to Slimlite or other proprietary soldiers, or to other Super A-Beams. The M12 x 60mm setscrew, clip casting and Super A-Beam clamp block allows insertion into the Super A-Beam slot at any point in the length of the beam.



90201	Clip Casting	0.2 kg
90959	Super A-Beam Clamp Block	0.05 kg
80160	M12 x 60mm Setscrew	0.08 kg

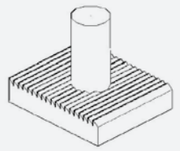
UNIVERSAL MOUNTING BRACKET

The Univeral Mounting Bracket is fixed to the horizontal Super A-Beams by means of two friction bolts and nuts. The unit can be used either to carry another Super A-Beam on the 45° face, enabling external corners to be formed, or to carry a tie horizontally with the beam across shutter joints, or to form stop ends.



Product Code	Description	Weight
90982	Universal Mounting Bracket	1.4 kg

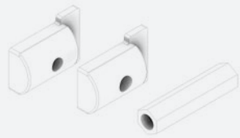
FRICTION BOLT



90983	Friction Bolt	0.13 kg

TIE BEARING - THREADED

The Tie Bearing can be fitted into the last large hole in the Super A-Beam, with a Tie tie rod screwed into it and passed through the centre of either a horizontal Super A-Beam, Slimlite Soldier or twin timbers, which forms the backing to the stop end; a washer and wingnut are used to tighten the stop end shutter to the wall shutter.

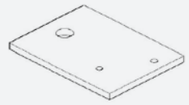


94055	Tie Bearing - Threaded	1.0 kg

Wall Formwork - Super A-Beam

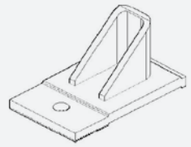
RAIL END NAILING PLATE

This plate is fixed to the beam with M12 friction bolts. It is used to support edge trimmer timbers for wall forms and table forms.



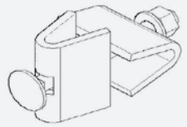
MOUNTING SHOE

The shoe is fitted to the Super A-Beam with M12 friction bolts to allow for corner connections.



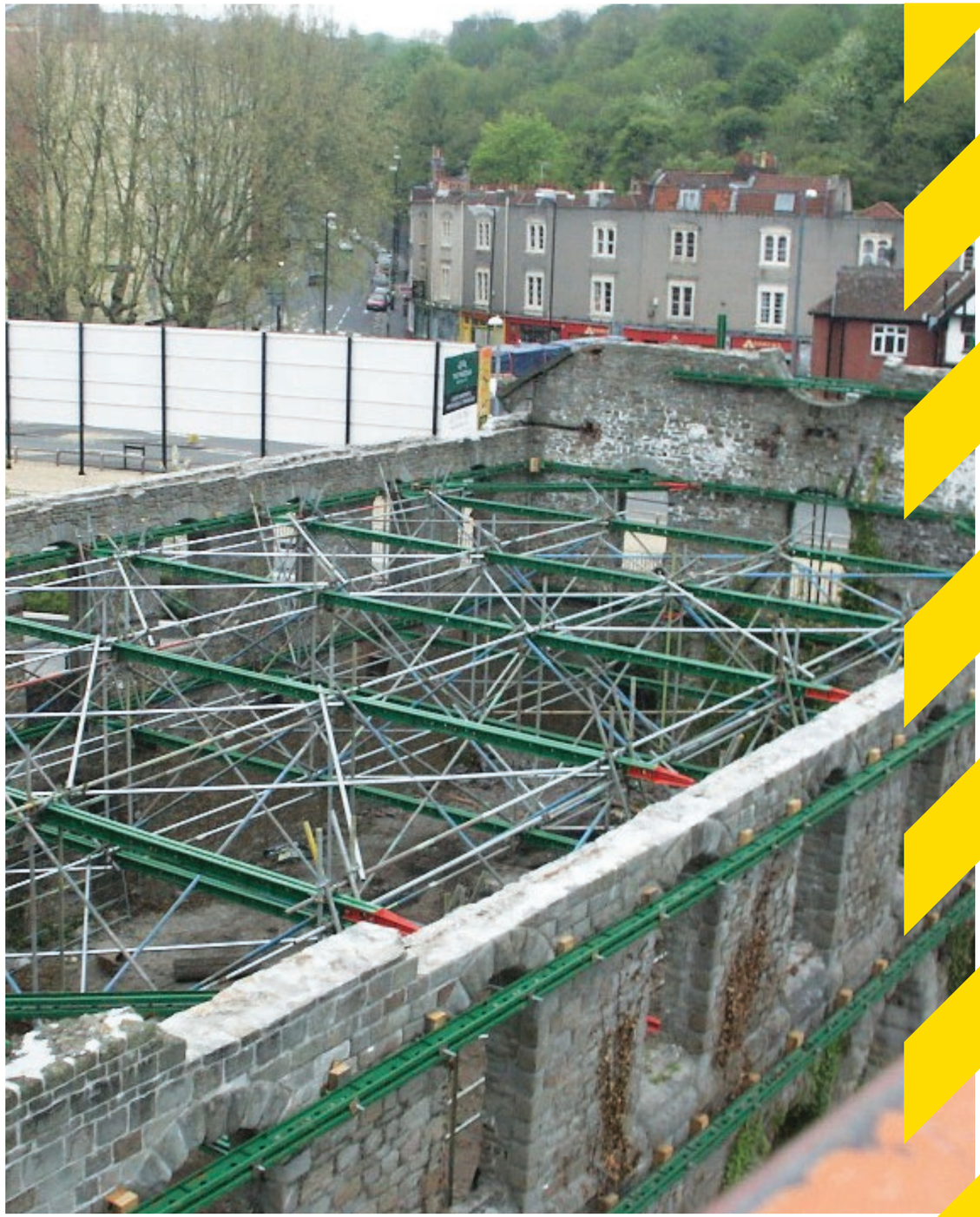
UNIVERSAL COUPLER

This coupler can be used to fix Super A-Beams to steel soldiers as an alternative to the clip casting and clamp block method.



Product Code	Description	Weight
90204	Rail End Nailing Plate	0.56 kg
90986	Mounting Shoe	0.55 kg
90988	Universal Coupler	0.8 kg

Wall Formwork - Super A-Beam



TIE SYSTEMS

Tie Systems are available for sale nationwide from any of our locations. Expert advice is available from qualified engineers and our drawing office staff are capable of dealing with the most complex or unusual of projects.

We hold large reserves of stocks enabling us to swiftly supply a comprehensive range of equipment wherever it may be needed. This rapid, nationwide delivery service minimises contract times enabling the contractor to meet the most stringent of deadlines.

TIES

Ties can be used as recoverable or as partly recoverable form ties. A wide range of accessories is available to meet practically every application.

When Ties are used as a cast-In component, e.g. for anchoring applications, due observance is required of the associated standard, BS 4486, and the corresponding conditions of application. For corrosion protection, the threadbars and accessories can be zinc plated to special order.

FEATURES	BENEFITS
Compatibility	The tie system is fully compatible with all Dywidag tie accessories
Cut off at any Point	Ties can be cut off at any point and reconnected by threaded couplers or tied by tie nuts
Robust and Durable	Coarse thread makes ties highly resistant to damage and dirt and also gives good self-cleaning qualities
Easy to Install	Coarse thread pitch facilitates rapid assembly and disassembly of ties and components
High Strength	High grade steel Uts = 1080 N/mm^2 permits high loading in relation to low weight by length
Safe Working Load	The load capacities stated in this brochure are in accordance with 'Formwork, A Guide to Good Practice' Section 3.8.3. A factor of safety of 2:1 has been applied to all of our equipment. In certain circumstances this factor of safety can be reduced to 1.7:1, enabling a tie force of 120kN using 15mm Tie Rod to be applicable, but reference should be made to local technical offices.

Tie Systems

THREADBAR

Tie threadbar 15 mm diameter and 20 mm is engineered from hot-rolled steel, meeting quality requirements YS = 885 N/mm². Uts = 1080 N/mm².

Transverse stress due to steel brackets must be avoided. Climbing cones should be used to take transverse stress.

These products are Sale Items Only. Other lengths available on application

Product Code	Description	Weight
810660420	15 mm Tie Rod (1.0 m)	1.5 kg
810660421	15 mm Tie Rod (1.5 m)	2.25 kg
810660213	15 mm Tie Rod (6.0 m)	9 kg
810660422	20 mm Tie Rod (1.0 m)	2.56 kg
810660423	20 mm Tie Rod (1.5 m)	3.84 kg
810660250	20 mm Tie Rod (6.0 m)	15.36 kg

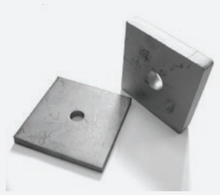
WING NUT

The wing nut is used as a tie nut for the washer for timber and steel flanges. It is designed for installation/removal by hexagon wrench or only with a threadbar. If required the nut can be locked/released by hammer blow to the wings.

96581	15 mm Dywidag Wing Nut	0.3 kg
96691	20 mm Dywidag Wing Nut	0.5 kg

WASHER

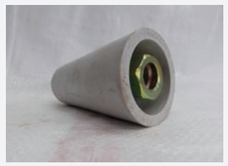
Washers are used in conjunction with wing nuts to take the loading from the 15 mm threadbar onto Slimlite Soldiers. Also available for 20 mm threadbar. Capacity as wing nut.



96578	15 mm Washer	1.6 kg
96692	20 mm Washer	2.4 kg

STEEL PLASTIC CONE

This plastic cone with a steel core can be used in the concreting of water-tight walls. The cones are mounted on the inside of the form, being secured on the outside by threadbar, washer and wingnut. The dimension of the formwork spacing is achieved by a 'lost' internal tie.



810660233	15 mm Steel Plastic Cone (50mm cover)	0.55 kg
96695	20 mm Steel Plastic Cone (78mm cover)	0.81 kg

PLASTIC TUBING

Rigid plastic tubing facilitates clean removal of threadbar for re-use. Supplied in two lengths. The tube should be cut 25 mm or 100 mm less than wall thickness to allow for plastic cones at either end.

Product Code	Description	Weight
810660252	15 mm Plastic Spacer Tube (2m)	
810660222	15 mm Plastic Spacer Tube (3m)	
810660246	20 mm Plastic Spacer Tube (2m)	
810660247	20 mm Plastic Spacer Tube (3m)	

PLASTIC CONES

Plastic push-fit cones are used to seal the rigid plastic tubing at either end ensuring the correct wall thickness.

810660223	15 mm Plastic Spacer Cone (each) 12.5 cover	
810660230	15 mm Plastic Spacer Cone (each) 50 cover	
810660261	20 mm Plastic Spacer Cone (each) 12.5 cover	

TIE-HEADS

A tie-head is a 650 mm long threadbar ending in a pressed sleeve. Tie heads have a variety of uses, e.g. for installing lost internal ties in water-tight walls.

810660218	15 mm Tie Tie-Head (725mm)	1.6 kg
810660265	26.5 mm Tie Tie-Head	

WATER LOCKS

Water locks can be used instead of lost internal ties for better hydraulic performance. The water lock is normally used with 2 no. tube connectors to allow the fitting of 15 mm plastic tubing.

810660241	15 mm Water Locks	0.85 kg

TUBE CONNECTOR

This item is fitted to both ends of the water lock or water barrier to facilitate the positive connection of rigid plastic tubing.

96604	Tube Connector	0.02 kg

Tie Systems

WATER BARRIER

Water barriers can be used instead of lost internal ties for better hydraulic performance. Each water barrier is normally used with 2 no. tube connectors to allow the fitting of 15 mm plastic tubing.

Product Code	Description	Weight
810660229	15 mm Water Barrier	0.55 kg

FLEXIBLE PLASTIC TUBING

Flexible PVC hose is supplied in 30 m coils. It may be used as an alternative to rigid plastic tubing and can be extracted after use and reused.

810660221	15 mm Plastic flexitube (19mm I.D/25mm O.D.)	9 kg
810660259	20 mm Plastic flexitube (25mm I.D/31mm O.D.)	10.5 kg

AQUAFIX

Aquafix is a stopper made from a special resilient synthetic material (non biodegradable). It is widely used in reservoirs and sewage treatment works and as a backing where grouting is necessary.

96587	20 mm Aquafix Plug	0.01 kg
96588	22 mm Aquafix plug	0.01 kg
96584	26 mm Aquafix plug	0.015 kg
96472	32 mm Aquafix plug	0.025 kg

TIE PIGTAIL ANCHOR

In single sided concrete formwork applications a pig-tail anchor provides a high load capacity anchor.

96590	15 mm Tie Pigtail Anchor	0.85 kg

WELDED NECK FLANGE

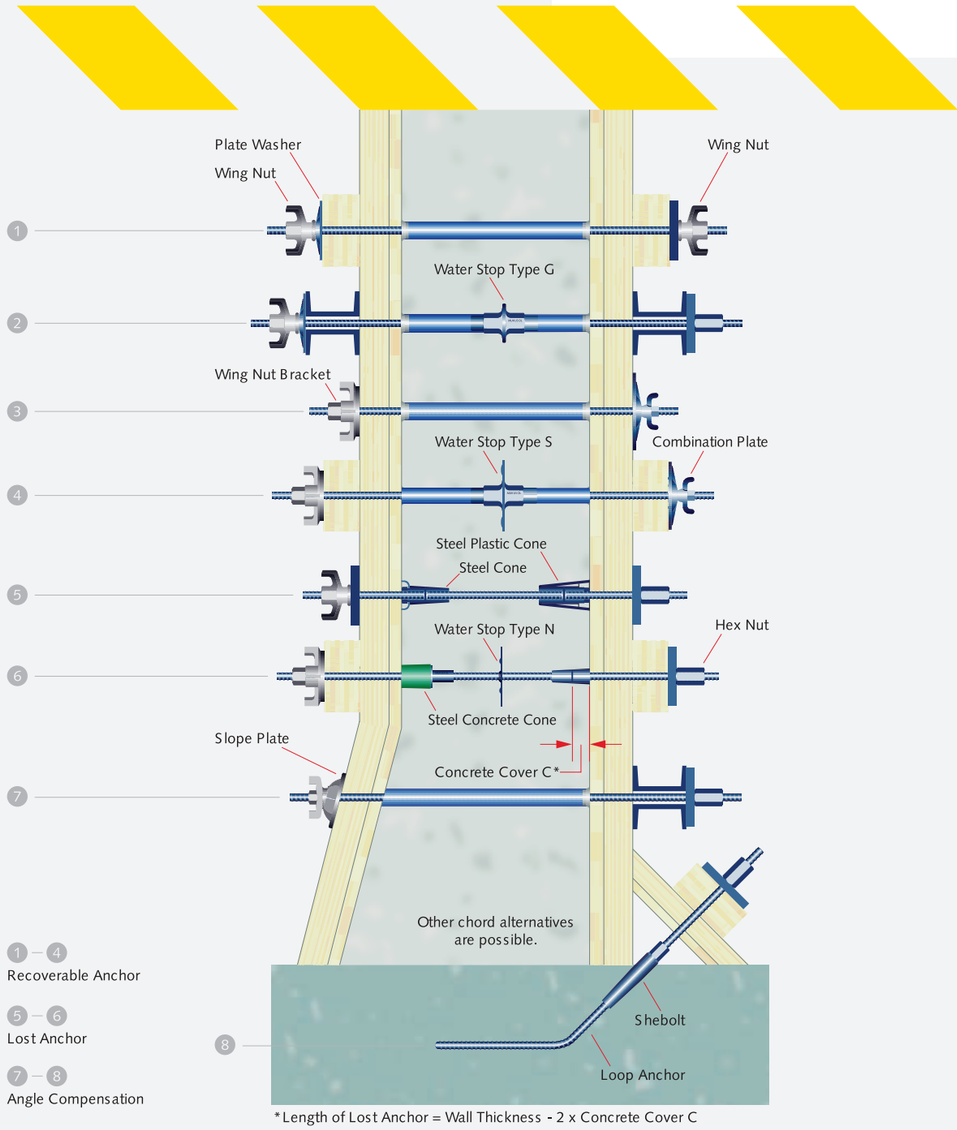
This flange is used in tying to sheet piling or any steel structure without having to drill through the section. The flange is dimensioned to provide full load-bearing capacity using a 4mm fillet weld.

96593	Welded Neck Flange	0.67 kg

COUPLER

Couplers are used to positively connect threadbars. To maintain the screw-In length of the bars, the coupler has a stop pin. Minimum load capacity corresponds to threadbar ultimate load.

Product Code	Description	Weight
96582	15 mm Couplers	0.28 kg
96694	20 mm Couplers	0.65 kg



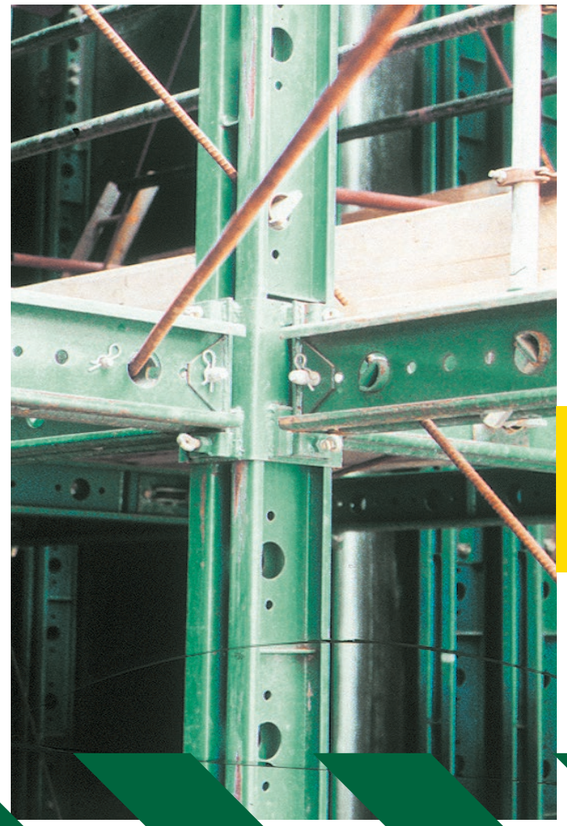
*Length of Lost Anchor = Wall Thickness - 2 x Concrete Cover C

FACADE RETENTION

The Façade Retention System incorporates Slimlite Soldier equipment with a Multi-Joint, which allows connection of horizontal and vertical members at any position along the length of each Soldier. This feature enables a greater degree of flexibility in the design.

The stability is obtained by anchoring the Soldiers to concrete blocks with sufficient weight to resist all horizontal and any vertical forces.

The system can also provide the support platform for the placement of site cabins above ground level.



Façade Retention

HIGH DUTY SHORES

Slimlite High Duty Shores utilise the range of lengths of Slimlite Soldiers with accessories.

High Duty Shores provide a load bearing capacity of up to 200 kN in the vertical mode and up to 130 kN in a raking application.

In all cases our design offices will provide calculations and design details for specific applications.

HIGH DUTY SHORE MAKE UP TABLE

Range		L/H H.D. Shore Adaptor	Soldier Make Up					R/H H.D. Shore Adaptor	Splice Nuts & Bolts	Channel Spice
Minimum	Maximum		900	1200	1800	2700	3600			
1930	2610	1	1					1	4	
2230	2910	1		1				1	4	
2830	3510	1			1			1	4	
3430	4110	1		2				1	8	2
3730	4410	1				1		1	4	
4030	4710	1		1	1			1	8	2
4630	5310	1					1	1	4	
5230	5910	1		2	1			1	12	4
5830	6510	1		1			1	1	8	2
6430	7110	1				2		1	8	2
7030	7710	1		2			1	1	12	4
7630	8310	1		1	1		1	1	12	4
8230	8910	1					2	1	8	2
8830	9510	1		2		2		1	16	6
9430	10110	1		1			2	1	12	4
10030	10710	1				2	1	1	12	4
10630	11310	1		2			2	1	16	6

Table shows centre to centre of 24mm pin connections. Other combinations of soldiers to achieve the desired length are acceptable.

High Duty Shores

PROPS & PUSH-PULL PROPS

PROPS

Props eliminate the costly labour and time consumed in cutting timber to length, wedging and nailing, when used in the vertical as a prop. Props can be adjusted to any height between closed and extended position. There are no loose parts to be mislaid or lost. They are compact for storage and transport.

Props comply with the minimum requirements of BS 4074:1982 (Metal props and struts). A holed boss on the collar nut makes it easy to turn in confined spaces - by inserting a bar in the hole. Note: Turn handle of the collar for final adjustment.

Final stability should be obtained by lacing props together in two directions at right angles, or by fixing primary bearers to the head plate. Diagonal bracing should then be used against horizontal movement unless the lacing or formwork can be restrained by tying to the permanent structure.

Notes

- Prop inner tubes 48.3 mm outside diameter
- Prop outer tubes 60.3 mm outside diameter
- Standard scaffold tubes 48.3 mm outside diameter
- Prop inner tubes can be coupled to standard scaffold tube bracing with standard couplers

PUSH-PULL PROP

Push-Pull Props have been adapted in principle from standard props.

An additional lockable collar is added to allow tension forces to be applied with end plates pinned to the inner and outer, allowing props to be at any angle from 0-90° from a single plane.

Props and Push-Pull Props

Features & Benefits

PROPS

FEATURES	BENEFITS
No loose parts	No parts to lose helps to ensure they are always ready to use
Compact design	Minimises storage space required
Full range of adjustment overlaps between each size	Ensures that there is a prop to suit the dimensions required
Additional locking nut on Push-Pull props	When fitted allows the prop to support tension forces - requires fixings to members being supported
Standard scaffold tube compatible inner	Lacing and bracing can be fitted with industry standard couplers
60.3mm outer tube	Allows standard scaffold tube to be connected to the outer with industry standard couplers

PROPS

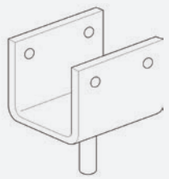
Props comply with the minimum requirements of BS 4074:1982 (Metal props and struts). A holed boss on the collar nut makes it easy to turn in confined spaces - by inserting a bar in the hole.

Product Code	Description	Weight
55000	Size 0 Height Closed 1040 mm Height Extended 1830 mm	12.7 kg
55001	Size 1 Height Closed 1750 mm Height Extended 3120 mm	21.1 kg
55002	Size 2 Height Closed 1980 mm Height Extended 3350 mm	22 kg
55003	Size 3 Height Closed 2590 mm Height Extended 3960 mm	24.6 kg
55004	Size 4 Height Closed 3200 mm Height Extended 4880 mm	29.3 kg

HEAD AND BASE PLATES

Props have 150 mm square head and base plates. Holes are provided to locate spigot type u heads and for fixings.

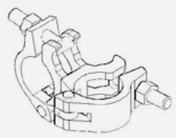
ACCESSORIES - 'U' HEADS



9045	'U' Head - 100mm	3.8 kg
9046	'U' Head - 150mm	4.5 kg

BRACING & LACING PROP DOUBLE-COUPLER

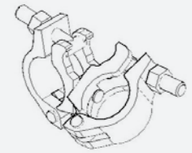
For lacing one or more standard props together using scaffold tube.



68505	Prop Double-Coupler	1.4 kg

PROP SWIVEL-COUPLER

For bracing one or more standard props together using scaffold tube.



Product Code	Description	Weight
9046	Prop Swivel-Coupler	1.4 kg

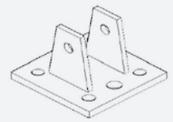
PUSH-PULL PROPS

The adjustable push-pull prop has been adapted in principle from the prop. It includes the standard prop collar with an additional locking device to maintain rigidity and maximum safety.

55103	Size 0 Min Centre Pivots 990 mm Max Centre Pivots 1780 mm	10.9 kg
55104	Size 1 Min Centre Pivots 1700 mm Max Centre Pivots 3070 mm	19.3 kg
55105	Size 2 Min Centre Pivots 1930 mm Max Centre Pivots 3300 mm	20.2 kg
55106	Size 3 Min Centre Pivots 2540 mm Max Centre Pivots 3910 mm	22.8 kg
55107	Size 4 Min Centre Pivots 3150 mm Max Centre Pivots 4830 mm	27.5 kg

PUSH-PULL PROP HEAD PLATE

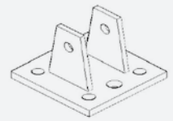
The head plate is attached to the push-pull prop inner by means of a rivet head pin and spring clip and is provided with 2 x 22 mm diameter holes at 100 mm centres for final fixings.



55113	Push-Pull Prop Head Plate	2.8 kg

PUSH-PULL PROP BASE PLATES

The base plate is attached to the push-pull prop outer by means of a spring clip and extended rivet head pin. An attachment of 4 x 18 mm and 2 x 22 mm holes provided for final fixings.



55114	Push-Pull Prop Base Plate	2.8 kg

Props and Push-Pull Props

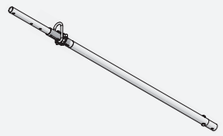
BEAM STRUTS

Available in two sizes with a range of adjustment from 465 mm up to 900mm. Can be fitted with head plates for fixing to timber forms or pinned to the 17 mm holes in slimlite soldiers.

50101	No 1 Beam Strut (465 - 685 mm)	
50102	No 2 Beam Strut (580 - 900 mm)	
50103	No 3 Beam Strut (885 - 1205 mm)	

PUSH-PULL PROPS R

Galvanised; guaranteeing tensile and compression strength. They serve to align and brace wall formwork. Foot plates and formwork-prop-connectors have to be ordered separately.



71005	Push-Pull Prop R 460 (340–520)	35.8 kg
71009	Push-Pull Prop R 630 (510–760)	68 kg

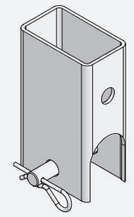
BRACES SRL

Galvanised; guaranteeing tensile and compression strength. They consist of a right-hand and a left-hand spindle as well as a revolving centre part and serve to align and brace wall formwork. Foot plates and formwork-prop-connectors have to be ordered separately.

71030	Brace SRL 120 (90-150)	8.3 kg
71031	Brace SRL 170 (120-220)	10.5 kg
81085	Brace Frame 250 (with Formwork Connection)	31.5 kg

FORMWORK-PROP CONNECTOR

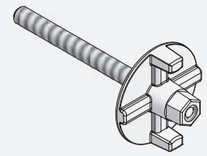
Galvanised; to connect braces, brace frames and push-pull props (max. 48mm diameter) to the multi-function profile by means of a flange screw 18.



Product Code	Description	Weight
84087	Prop Connector	1.7 kg

FLANGE SCREW

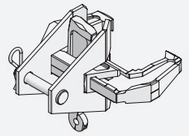
Galvanised; with Dywidag thread 15mm diameter. To attach accessories (e.g. alignment rails, brace frames, push-pull props, etc.). Length of thread 180 mm.



84084	Flange Screw 18	1.1 kg

COMBI-LOCK WITH COUPLING

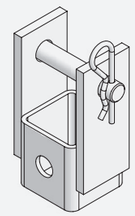
Galvanised; to attach push-pull props at the panel joints of the wall formwork systems Mammoth and Mammoth 350. Clamping length 80 mm, 100 mm and 120 mm.



84086	Combi-Lock with Coupling	3.7 kg

UNIVERSAL JOINT CONNECTOR 76/135

Galvanised; to attach push-pull props to vertical or horizontal panel joints (incl. head bolt 16/90 and cotter pin 4). A Combi-lock with coupling is additionally required. Typical application in folding shaft formwork.

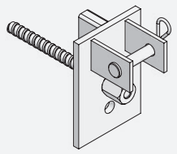


89300	Universal Joint 76/135	1.4 kg

Props and Push-Pull Props

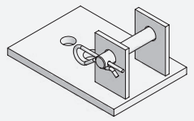
REVERSIBLE COUPLING

Galvanised; to connect push-pull props or braces to vertical alignment rails; a flange nut is additionally required.



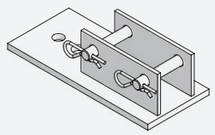
ARTICULATED FOOT PLATE

Galvanised; incl. head bolt 16/90 and cotter pin 4. For push-pull props and braces of up to 58 mm diameter.



DOUBLE-JOINTED FOOT PLATE

Galvanised; delivery includes head bolts 16/90 and cotter pin 4. It serves as foot plate for brace frames 250 and as connector for braces and push-pull props up to 58 mm diameter.



Product Code	Description	Weight
71006	Reversible Coupling for Push-Pull Props	2 kg
91324	Articulated Foot Plate	2.3 kg
93026	Double-Jointed Foot Plate	4 kg

FALSE WORK - SOFFIT FORMWORK - MEVADEC

ONE SLAB COMPLETED IN THREE DAYS

Since the launch of MevaDec, slab forming has become simpler and faster because the concept of MevaDec is to cover the most important slab forming methods with just one system.

The main advantages of the system are that the same components are used for different applications and the number and position of the props is determined by the system. So, the most important requirements of a building can be met easily and flexibly:

- Ground Plan
- Slab Thickness
- Concrete Finish
- Building Type/Dimensions
- Floor Height

MevaDec is the most modern, flexible and efficient slab formwork system of all. The drop-head permits early stripping and a fast transport to the next cycle, e.g. for:

- Many floor levels
- Repeated re-uses
- Constant geometries
- Short cycles

Proven: With MevaDec 3-day cycles are feasible.

alkus 7 Year Long-Term Warranty ON THE ALL-PLASTIC FACING

All-Plastic facing ‘alkus’.
We use MEVA formwork panels.
MEVA is the first formwork manufacturer to equip all its formwork systems with the pioneering all-Plastic forming face ‘alkus'. Therefore producing consistent high-quality concrete finishes.

Falsework - Soffit Formwork - MevaDec

Features & Benefits

SYSTEM COMPONENTS

FEATURES	BENEFITS
Panel width 400 mm, 600 mm and 800 mm, panel length 800 mm and 1,600 mm; frames made of closed 2-chamber aluminium profiles; annealed, impact and scratch resistant plastic coating	· Simple adaptation in 200 mm increments – compensations are always less than 200 mm · Torsion-proof, durable, low weight · Less cleaning effort due to reduced concrete adhesion
Primary and secondary beam	Rigid and torsion-proof
Prop with drop-head allows for early stripping	Reduced inventory through repeated re-use

EARLY STRIPPING

FEATURES	BENEFITS
Lowering of primary and secondary beam through patented drop-head system with uplift protection	· Easy and fast, reduces assembly errors · Beams are held securely · Reduces wear and tear, improves safety
Drop-head lowers by 190 mm	Fast, easy stripping
· Props remain as reshores · Panels and beams are ready for re-use in next cycle	· Safety and very short cycles · Reduced inventory, simple handling, cost-saving

ALL-PLASTIC FACING ALKUS

FEATURES	BENEFITS
No swelling or shrinking caused by moisture penetration	· No change in dimensions due to moisture; no rotting or fungal decay; durable · Built in flush with panel frame; improved and consistently even concrete surfaces during the whole lifespan
Screwable and nailable without chipping off of top layer	Can be treated like plywood
Alkus is as durable as the panel frame	No re-facing required; no disruption of construction process by downtimes

3 METHODS WITH 1 SYSTEM

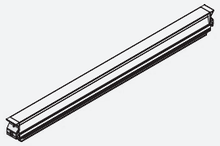
FEATURES	BENEFITS
Drop-head-beam-Panel method (FTE) · Load-bearing system comprising primary beams and props with drop-heads · Grid-free placing and moving of panels in primary beam, over and beyond drop-head · Free changing of forming direction · Number of props determined by the system	· Simple assembly and stripping, low learning curve and shorter assembly time · Simple, grid-free adaptation to building geometries · Improved safety, avoids assembly errors, avoids superfluous props, fewer parts · Few props required
Primary-and-secondary-beam method (HN) · Load-bearing system comprising primary beams and props with drop-heads · Separate facing placed on primary and secondary beams · Free placing and moving of secondary beams in primary beams	· Free choice of facing · Primary and secondary beams support separate facing · Few props required
Panel-method · Without primary and secondary beam · Just two parts: panel and prop with prop-head · One prop-head for all applications, fits corner and edge; can even support the cross stiffener	· Ideal for buildings with small slab areas where early stripping offers no benefits · Simple handling

LOAD CAPACITY

FEATURES	BENEFITS
· 340 mm thick slabs achievable with primary beam 210 · 440 mm thick slabs achievable with primary beam 160	· Fewer props leave more space for easy working · Only 0.27 props per m² with primary beam 210 (stand. appl.) · Only 0.35 props per m² with primary beam 160 (stand. appl.) · Short cycles

MD-PRIMARY BEAM

Plastic-coated aluminium profile; MD-Primary Beams and MD-Drop Heads build the load-bearing system of MevaDec. The grooves are punched to reduce the cleaning effort.



Product Code	Description	Area	Weight
91200	MD-Primary Beam 270	0.27 m²	24 kg
91201	MD-Primary Beam 210	0.21 m²	18 kg
91202	MD-Primary Beam 160	0.16 m²	14 kg
91203	MD-Primary Beam 80	0.08 m²	7.4 kg

MD-SECONDARY BEAM

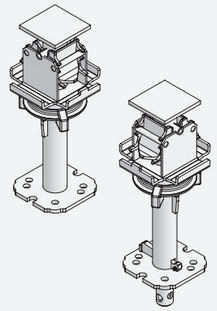
Aluminium profile with plastic nailing strips on top and at the bottom; can be used in two ways: brown strip on top = secondary beam is hooked in between two primary beams (flush); grey strip on top = secondary beam is 21 mm below primary beams and panels.

91204	MD-secondary Beam 160		9 kg
91205	MD-secondary Beam 80		4 kg

MD-DROP HEAD

Galvanised and partly powder-coated; with uplift protection. To lower MD-primary and secondary beams as well as panels by 190 mm; these can be stripped and re-used for the next pouring cycle. The slab remains supported by props with drop heads ('early stripping').

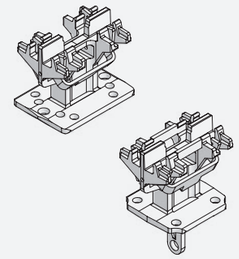
Mounting to Props:
The MD-drop head is mounted to steel props (MD/ME) by means of two bolts M12x35 and locking nuts M12, or to the aluminium outer tube of MEP-props by means of two bolts M16x40 and locking nuts M16. The MD-drop head (pluggable) is attached to steel props (MD/ME) by means of a pin 14/90, or to the aluminium outer tube of MEP-props by means of a pin 14/135.



91206	MD-Drop Head	0.01 m²	7.7 kg
91207	MD-Drop Head (plug-In version)	0.01 m²	8.3 kg

MD-PROP HEAD

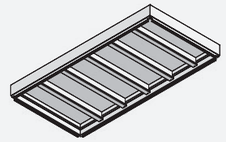
Galvanised and powder-coated; to support panels and secure them automatically against unhooking. The panels can be assembled from beneath or above the slab.
Attachment to props:
The MD-prop head is mounted to steel props (MD/ME) by means of two bolts M12x35 and locking nuts M12, or with two bolts M16x40 and locking nuts M16 to the aluminium outer tube of MEP-props. The pluggable MD-prop head is secured to steel props (MD/ME) with a pin 14/90, or with a pin 14/135 to the aluminium outer tube of MEP-props.



Product Code	Description	Area	Weight
91208	MD-Prop Head		2.7 kg
91209	MD-Prop Head (plug-In version)		2.7 kg

MD-PANELS

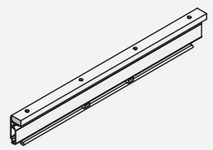
The frames of MD-Panels are made of powder-coated, closed aluminium profiles; torsion-proof and easy to clean. Construction height 140 mm, frame profile width 22 mm. The MD-Panels are standardly fitted with alkus GM 10 all-plastic forming face.



91221	MD-Panel GM 160/80	1.28 m²	22.8 kg
91222	MD-Panel GM 160/60	0.96 m²	18.4 kg
91223	MD-Panel GM 160/40	0.64 m²	13.9 kg
91224	MD-Panel GM 80/80	0.64 m²	12.3 kg
91225	MD-Panel GM 80/60	0.48 m²	9.9 kg
91227	MD-Panel GM 80/40	0.32 m²	7.4 kg

MD-COMPENSATION BEAM

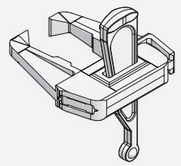
Plastic-coated aluminium profile with nailing strip; to support filler areas; suited for 21 mm forming face; for 27 mm forming face available upon request.



91230	MD-Compensation Beam 160	5 kg
91231	MD-Compensation Beam 80	3 kg
91232	MD-Compensation Beam 60	1.7 kg
91233	MD-Compensation Beam 40	1 kg

MD-ASSEMBLY LOCK

Galvanised; to tightly connect and align MD-panels and to clamp MD-compensation beams to MD-panels. Clamping length 44 mm.

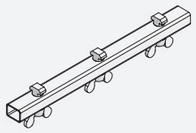


91300	MD-Assembly Lock	1.4 kg

Falsework - Soffit Formwork - MevDec

MD-BEAM STIFFENER

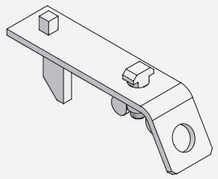
Galvanised; to secure cantilevering MD-primary beams against uplift (e.g. at slab edges).



Product Code	Description	Weight
91301	MD-Beam Stiffener	1.8 kg

MD-PROP CONNECTOR

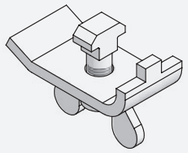
Galvanised; to support primary beams where no drop head is used, e.g. for intermediate support, at walls and with cantilevering primary beams. Its integrated hammerhead screw permits attachment at the bottom of primary beams; the prop connector is provided with an eye to attach a tensioning chain for anchoring the slab formwork to the ground (e.g. at free slab edges).



Product Code	Description	Weight
91302	MD-Prop Connector	2 kg

MD-SAFETY CLAW

Galvanised; to clamp planks to the bottom side of MD-primary beams. It also allows to attach a tripod to the aluminium outer tube of a MEP-prop.



Product Code	Description	Weight
91303	MD-Safety Claw	0.5 kg

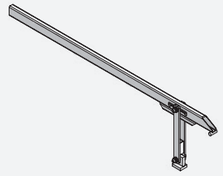
MD-ASSEMBLY STICK 340

Galvanised; facilitates the assembly when applying the panel method; the panels are simply swung up and temporarily supported by the stick; we recommend to use two sticks for a smooth assembly sequence; the stick has an adjustment range from 1.95 m–3.40 m.

Product Code	Description	Weight
91304	MD-Assembly Stick 340	4.1 kg

MD-DISMANTLING AUXILIARY

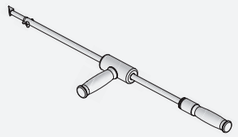
Galvanised; facilitates the stripping of MD-primary beams if these stick to the slab due to increased concrete adhesion.



Product Code	Description	Weight
91305	MD-Dismantling Auxiliary	2.9 kg

CLEANING SCRAPER

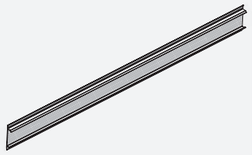
Galvanised; with chisel. To clean the groove of MD-primary beams. Spare blade for cleaning scraper spare part (not shown).



Product Code	Description	Weight
91306	MD-Cleaning Scraper	2.7 kg
40-092-55	Spare Blade for Cleaning Scraper	0.1 kg

MD-COVER PROFILE 10

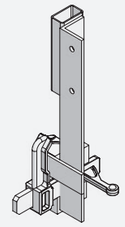
Plastic cover; closes the gap between two MD-panels (only for drop-head-beam-panel [FTE] method). Length 1.50 m; packing unit: 10 pcs.



Product Code	Description	Weight
91307	MD-Cover Profile 10, l = 1.5m	1.1 kg

MD-SUPPORT FOR GUARD-RAILING POST/PANEL

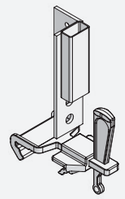
Galvanised; permits attachment of a guard-railing post at MD-panels and serves to form a stop end at the slab edge.



Product Code	Description	Weight
91308	MD-Support for Guard-Railing Post/Panel	2.9 kg

MD-SUPPORT FOR GUARD-RAILING POST/BEAM

Galvanised; permits attachment of a guard-railing post at MD-primary and MD-secondary beams and serves to form a stop end at the slab edge.

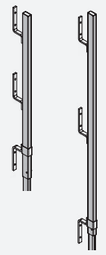


Product Code	Description	Weight
91309	MD-Support for Guard-Railing Post/Beam	2 kg

Falsework - Soffit Formwork - MevDeck

GUARD-RAILING POST

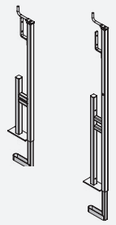
Galvanised; is attached to the MD-support for panel or beam.



Product Code	Description	Weight
91310	Guard-Railing Post 100	3.7 kg
91311	Guard-Railing Post 140	4.65 kg

RAILING CLAMP

Coated; can be clamped to all kind of beams or free slab edges. Railing height 100, h = 1,000mm, clamping length 450mm. Railing height 140, h = 1,400mm, clamping length 500mm.



Product Code	Description	Weight
91312	Railing Clamp	6 kg
91313	Railing Clamp	9.4 kg

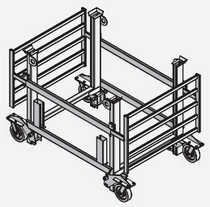
MD-LASER SUPPORT

Aluminium; is attached at the bottom of MD-primary beams and allows levelling the slab formwork by one person.

Product Code	Description	Weight
91314	MD-Laser Support	1.9 kg

MD-PILING RACK ON WHEELS

Coated, stackable; to stack and transport MD-primary or MD-secondary beams. One piling rack can hold:
30 MD-primary beams 210 or
30 MD-primary beams 160 or
50 MD-secondary beams 160.



Product Code	Description	Weight
91318	MD-Piling Rack on Wheels	155 kg

ME-PROP

Galvanised; complying with the European standard EN 1065 (class E). The admissible load capacity is 30kN at all extensions. Depending on their application with MEVA systems the load capacity varies (see Technical Instruction Manual for MevaDec).

Product Code	Description	Weight
89100	ME-Prop 250/30 (1,500mm–2,500mm)	15.8 kg
89101	ME-Prop 250/30 with MD-Drop Head	23 kg
89102	ME-Prop 350/30 (2,000mm–3,500mm)	24.6 kg
89103	ME-Prop 350/30 with MD-Drop Head	32 kg

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: 40kN independent from the assembly position.
MEP 450: 20kN independent from the assembly position; if assembled with the inner tube downwards the load capacity increases to 30kN.
Depending on their application the load capacity varies (refer to Technical Instruction Manual for MevaDec).

Product Code	Description	Weight
89002	MEP-Prop 300 with SAS (1,850mm–3,000mm)	19.6 kg
89104	MEP-Prop 300 with MD-Drop Head	26.5 kg
89001	MEP-Prop 450 with SAS (3,000mm–4,500mm)	27.5 kg
89105	MEP-Prop 450 with MD-Drop Head	35 kg

MD-PROP

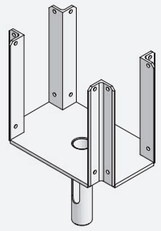
Galvanised; complying with the European standard EN 1065 (class E). The admissible load capacity is 20 kN at all extensions. Depending on their application with MEVA systems the load capacity varies (see Technical Instruction Manual for MevaDec).

Product Code	Description	Weight
89110	MD-Prop 300/20 (1,750 mm–3,000 mm)	14.7 kg
89111	MD-Prop 300/20 with MD-Prop Head	17.5 kg
89112	MD-Prop 400/20 (2,250 mm–4,000 mm)	24.7 kg
89113	MD-Prop 400/20 with MD-Prop Head	27.4 kg

Falsework - Soffit Formwork - MevDec

FORKED PROP HEAD

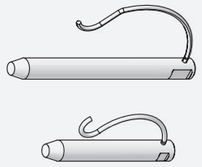
Galvanised, the forked prop head can be used instead of a drop head to support a MD primary beam at the beginning or the end of a beam row. The forked prop head 20 is also applied with formwork girders H20, the forked prop head 16 with MD beams and Super A-Beam.



Product Code	Description	Weight
89200	Forked Prop Head 20	3 kg
89201	Forked Prop Head 16	2.9 kg

PINS

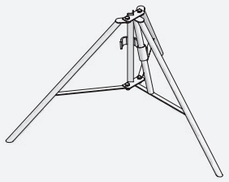
Galvanised; to attach MD-drop heads, MD-prop heads, forked prop heads etc. to props. The pin 14/90 is used if connected to steel tubes (up to 63mm diameter); the pin 14/135, if connected to aluminium outer tube of MEP-props or extensions.



89013	Pin 14/90	0.1 kg
89012	Pin 14/135	0.2 kg

TRIPOD

Galvanised; auxiliary to stabilize props of 48–80mm diameter. 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. It is attached to the aluminium profile of MEP props by means of a MD-safety claw.



89202	Tripod	10 kg

ACCESSORIES FOR ATTACHING

To attach MD-prop heads or MD-drop heads to the props (not shown).

80158	Hexagonal Screw M12 x 50, galvanised	0.07 kg
89190	Hexagonal Locking Nut M12, galvanised, DIN 985	
89027	Hexagonal Screw M16 x 40, galvanised	0.1 kg
89028	Hexagonal Locking Nut M16, galvanised	
80295	Washer M16, galvanised	0.01 kg

Falsework - Soffit Formwork - MevDec

FALSE WORK - SOFFIT SUPPORT - MEP

HIGHER SAFETY, HIGHER LOAD

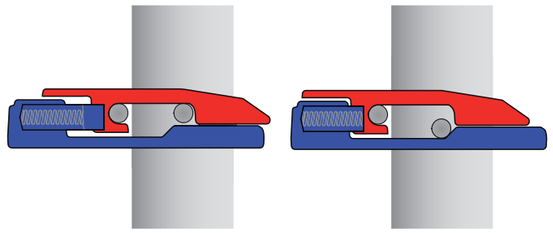
The MEP shoring system is a versatile system capable of handling virtually any slab forming project: no 'superfluous' props, only two basic components, always utilising the advantages of the SAS quick-lowering system developed by MEVA.

Depending on the subsoil and the required load capacity the shoring system can be easily adapted by connecting reinforcing frames. Thanks to the flexible height adjustment the system is suited:

- To support slab formwork at any height
- To build slab tables for large slab surfaces
- To support concrete beams, balconies or prefabricated slabs

SAS quick-lowering system:

- Proven principle of adjustment: inner tube with holes punched for coarse adjustment by G-hook and adjusting nut for fine adjustment
- Stress in the prop is released with one strike of a hammer
- After stripping, the prop automatically resets and locks in original position



Falsework - Soffit Support - MEP

Features & Benefits

DESIGN

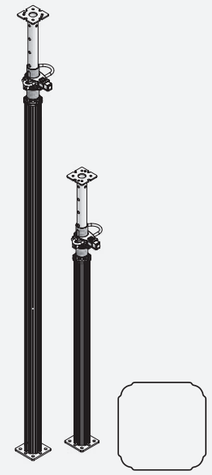
FEATURES	BENEFITS
Two prop types are sufficient to provide shoring heights from 1.85m to even more than 21.00m	Simple assembly
Few basic components: prop, extension and frame	Clear inventory and rapid disposal

ASSEMBLY AND STRIPPING

FEATURES	BENEFITS
Principle of adjustment: inner tube with holes punched for coarse adjustment by using a G-hook, sturdy adjusting nut on outer tube for fine adjustment	• No tedious height adjustment with spindles • Props can be slid in fast, e.g. for transport by lift truck beneath concrete beams
MEVA-invention: The SAS quick-lowering system releases the stress in the prop with one strike of a hammer	• No height adjustment under load • No wear on material, minimum effort
Extension adjustable for each individual prop	Easy compensation of steps or unevenness of the floor
Reinforcing frames are connected to MEP-props with hammerhead screws, can be operated with a hammer	Correct and safe connection immediately visible by horizontal position of hammerhead screw
Adjustable cross braces for prop spacings between 900 mm and 3,000 mm	Easy adaptation to irregular dimensions
MEP tube coupler can be attached anywhere on the outer tube	Scaffold tubes with 48 mm diameter can be attached wherever required
Installation of self-securing scaffold platforms	Safe working at any height
Lift truck to move shoring towers	Horizontal transport of towers possible without crane

MEP-PROP WITH SAS

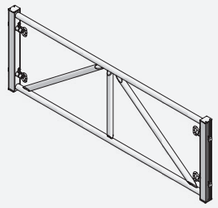
The MEP-prop is a combination of steel inner tube and aluminium outer tube with T-groove to attach reinforcing frames. The SAS quick-lowering system allows the stress in the prop to be released with one strike of a hammer. After stripping the prop automatically resets and locks in the original position. According to the European Standard EN 1065 (class E) the props have a load capacity of: MEP 300: 40 kN independent from the assembly position. MEP 450: 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).



Product Code	Description	Weight
89001	MEP-Prop 450 with SAS (3,000mm–4,500mm)	27.5 kg
89002	MEP-Prop 300 with SAS (1,850mm–3,000mm)	19.6 kg

MEP-FRAME

Aluminium; reinforcing frame to build towers with MEP-props. It is attached to the aluminium outer tube of MEP-props or extensions with the integrated hammerhead screw (quick connector).



89004	MEP-Frame 220	11.9 kg
89005	MEP-Frame 170	9.9 kg
89006	MEP-Frame 110	7.8 kg
89007	MEP-Frame 55	6.4 kg

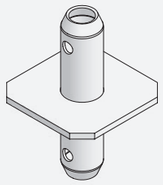
EXTENSION PIECE MEP

Aluminium profile (same as outer tube of MEP-props) with two foot plates to extend shoring towers: one MEP-plug connector and two pins 14/135 are required.

89009	Extension Piece 120 MEP	7.5 kg
89010	Extension Piece 80 MEP	5.4 kg

PLUG CONNECTOR MEP

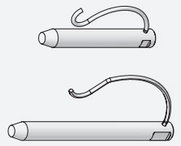
Galvanised; to connect MEP-extensions to MEP-props or other extensions.
Together with two pins 14/135 plug connectors provide a rigid connection.



Product Code	Description	Weight
89011	Plug Connector MEP	1.8 kg

PIN

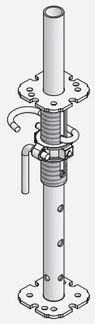
Galvanised; to attach MEP-forked prop heads, pluggable MD-drop heads and pluggable MD-prop heads to MEP-props (14/90, if connected to steel inner tube) and, in conjunction with the MEP-plug connector to connect MEP-extensions to MEP-props or other extensions (14/135, if connected to aluminium outer tube).



89013	Pin 14/90	0.1 kg
89012	Pin 14/135	0.2 kg

SPINDLE MEP

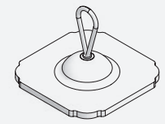
Galvanised, steel spindle; coarse adjustment with G-hook, precise adjustment with adjusting nut on outer tube. MEP spindles can be bolted to the outer tubes of all MEP-props and MEP-extensions by using four bolts M16x40 (to be ordered separately). It provides 280mm–800mm additional adjustment (350mm–800mm when used with forked prop head).



89014	Spindle MEP	8 kg

CALOTTE SUPPORT MEP

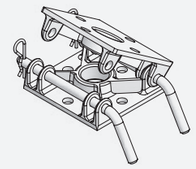
Galvanised; inclination 5°; is used as foot plate for MEP-props and MEP-spindles to allow for perpendicular load transfer on sloped surfaces.



Product Code	Description	Weight
89015	Calotte Support MEP	1.3 kg

FOLDING PART MEP

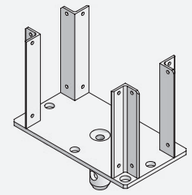
Galvanised; it allows hinging of legs so that MEP-towers may be moved out of buildings (by using C-hooks) with proper clearance underneath spandrel beams or over parapets.



89016	Folding Part MEP	5.8 kg

FORKED PROP HEAD MEP

Galvanised; with Dywidag-thread (15mm) to clamp the stringers (steel or wood) to the prop head. The forked prop head can be attached to the inner tube of MEP-props with pins 14/90 or to the aluminium outer tube with pins 14/135.



89018	Forked Prop Head MEP	4.7 kg

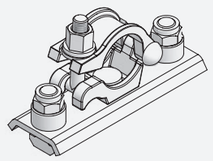
DIAGONAL CROSS-BRACE MEP

Galvanised; adjustable cross-brace made of steel tubes; bracing accessory used in case of varying prop spacings. The dimensions, e.g. 170/90 stand for the maximum and minimum prop spacing.

89019	Diagonal Cross-Brace 170/90 MEP	9.3 kg
89020	Diagonal Cross-Brace 300/180 MEP	15.3 kg

TUBE COUPLER DK 48 MEP

Galvanised; is attached to the aluminium outer tube of MEP-props or extensions (SW 22/ SW 24) to permit connection of scaffold tubes of 48mm diameter.

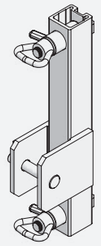


89021	Tube Coupler DK 48 MEP	1.7 kg

Falsework - Soffit Support - MEP

MEP-CONNECTOR FOR PUSH-PULL PROPS

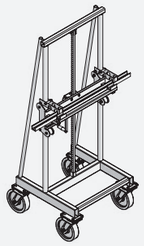
Aluminium; to attach push-pull props to the aluminium outer tubes of MEP-props or MEP-extensions.



Product Code	Description	Weight
89022	MEP-Connector for Push-Pull Props	2.6 kg

LIFT TRUCK MEP

Galvanised; to lift and move shoring towers and slab tables. Height 2.12 m; load capacity 500 kg; adjustable range 0.62 m to 1.96 m.
It is positioned below the MEP-frames. Always two lift trucks are required to move tables. Please observe Instruction Manual.



Product Code	Description	Weight
89023	Lift Truck MEP	130 kg

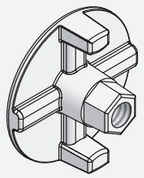
CRANE HANGER MEP

Galvanised, with Dywidag-thread 15 mm diameter; to move slab tables. Load capacity 10 kN (1t). Always four crane hangers are required to facilitate the transport. Length of thread 520 mm. A flange nut 100 has to be ordered separately.

Product Code	Description	Weight
89025	Crane Hanger MEP (load capacity: 10 kN)	3.5 kg

FLANGE NUT 100

Forged, cut thread; for Dywidag tie rods with diameter 15 mm; diameter of plate 100 mm, SW 27; admissible load capacity 90 kN (DIN 18216).



Product Code	Description	Weight
84090	Flange Nut 100 (SW 27, forged)	0.7 kg

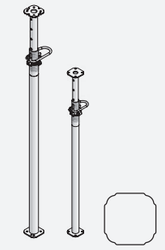
ACCESSORIES FOR ATTACHING

To attach MD-drop heads or MEP-spindles to MEP-props or MEP-extension pieces (not shown).

Product Code	Description	Weight
89027	Hexagonal Screw M16 x 40, galvanised	0.1 kg
89028	Hexagonal Locking Nut M16, galvanised	
80295	Washer M16, galvanised DIN 125	

ME-PROP

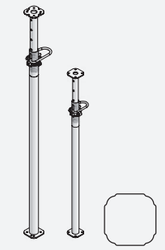
Galvanised; complying with the European standard EN 1065 (class E). The admissible load capacity is 30 kN at all extensions. Depending on their application with MEVA systems the load capacity varies (see Technical Instruction Manual for MevaDec).



Product Code	Description	Weight
89100	ME-Prop 250/30 (1,500mm–2,500mm)	15.8 kg
89102	ME-Prop 350/30 (2,000mm–3,500mm)	24.6 kg

MD-PROP

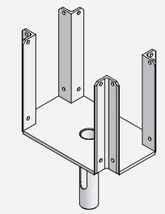
Galvanised; complying with the European standard EN 1065 (class E). The admissible load capacity is 20 kN at all extensions. Depending on their application with MEVA systems the load capacity varies (see Technical Instruction Manual for MevaDec).



Product Code	Description	Weight
89110	MD-Prop 300/20 (1,750mm–3,000mm)	14.7 kg
89112	MD-Prop 400/20 (2,250mm–4,000mm)	24.7 kg

FORKED PROP HEAD

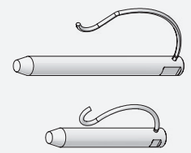
Galvanised, the forked prop head can be used instead of a drop head to support a MD primary beam at the beginning or the end of a beam row. The forked prop head 20 is also applied with formwork girders H20, the forked prop head 16 with MD beams and Super A-Beam.



Product Code	Description	Weight
89200	Forked Prop Head 20	3 kg
89201	Forked Prop Head 16	2.9 kg

PIN

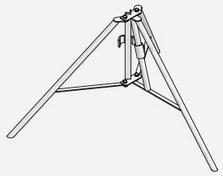
Galvanised; to attach MEP-forked prop heads, pluggable MD-drop heads and pluggable MD-prop heads to MEP-Props (14/90, if connected to steel inner tube) and, in conjunction with the MEP-plug connector to connect MEP Extensions to MEP-Props or other extensions (14/135, if connected to aluminium outer tube).



Product Code	Description	Weight
89013	Pin 14/90	0.1 kg
89012	Pin 14/135	0.2 kg

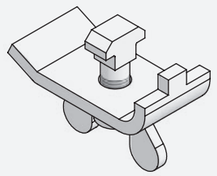
TRIPOD

Galvanised; auxiliary to stabilize props of 48mm–80mm diameter. 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. It is attached to the aluminium profile of MEP-Props by means of a MD-Safety claw.



MD-SAFETY CLAW

Galvanised; to clamp planks to the bottom side of MD-Primary Beams. It also allows to attach a tripod to the aluminium outer tube of a MEP-Prop.



Product Code	Description	Weight
89202	Tripod	10 kg
91303	MD-Safety Claw	0.5 kg

FALSEWORK SOFFIT SUPPORT ESS21

- Primary use is for the construction of bridge deck cantilevers. On steel or concrete decks
- The system can support cantilevers up to 3.3 m from the edge of the main beams
- Deck edges can be tip up or down by up to 7.5°
- Brackets can be spaced up to 3.0 m on plan with a minimum of two units as a crane/forklift unit
- Special high strength steel tie bar with a maximum capacity of 80 kn load
- Can be used on steel or concrete
- Crane-handled using standard lifting frame which can handle units up to 7.2 m long by 3.5 m wide
- Secondary bearers usually Super A-Beams but can be any suitable section

Other uses:

- Pile capping beams
- Cantilever walkways at the top edge of in-situ walls
- Loading platforms on outside edges of structures
- Heavy duty fans/debris screens
- Loading platforms for multi-storey construction

Advantages of the system:

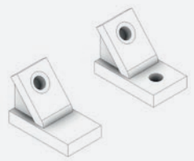
- Minimum special components
- Steel grade compatible with normal steelwork used in construction. We have available either a bolt-on bracket or a welded bracket
- Special thread form ensures that the load bearing components cannot be assembled with inferior load capacity parts which ensures the safety of the system

FEATURES	BENEFITS
Standard slimlite soldiers used as main bearer	Improves stock utilisation
Minimum number of special components	Reduces delays while waiting for special parts to be made
Steel grade compatible with normal steelwork used in bridge construction. This ensures that no special welding process is required	Ensures quality of welded joint, reducing risk
Special thread form ensures that the load bearing components cannot be assembled with inferior load capacity parts	Designed to ensure full load capacity and reduces risk on site
Allows for up to 7.5° out of level	Removes timber make up when outer edges rise or fall
Supports cantilevers up to 3.0m and can achieve 4.5m if required	Allows for larger cantilever giving more flexible design

Falsework - Soffit Support - ESS21

ANCHOR BRACKET

Lost anchor bracket fitted to the top flange of steel or concrete beams, used to support the cantilever deck edge system ESS 21.



Product Code	Description	Weight
95001	Anchor Bracket (Bolt On Type)	3.5 kg
95002	Anchor Bracket (Weld On Type)	3.6 kg

STRIPPING CONE

Used to aid stripping of the main ties when removing the ESS 21 system.

95003	Stripping Cone	3.3 kg

MAIN BEARING BUSH

Fitted in the 63 mm hole of a slimlite soldier to support the deck edge cantilever constuction using ESS 21 equipment.

95006	Main Bearing Bush	1.9 kg

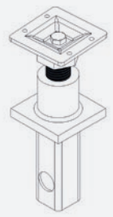
BEARING BUSH RETAINER

Self locking latch pin to retain the main bearing bush of the ESS 21 system.

95007	Bearing Bush Retainer	0.1 kg

TOP RESTRAINT JACK

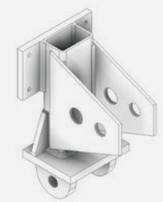
Used to provide uplift resistance on long cantilevers when using the ESS 21 system on steel bridge construction.



95008	Top Restraint Jack	3.1 kg

SOLDIER END CONNECTOR

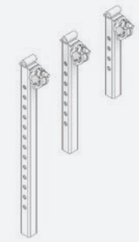
Fitted to the end of the main soldier bearer of the ESS 21 system it provides a connection for the inner member and a thrust point to the permanent structure.



Product Code	Description	Weight
95009	Soldier End Connector	4.3 kg

INNER POST

Upper part of the adjustable leg for the ESS 21 system.



95010	Inner Post (Size 1)	4.2 kg
95011	Inner Post (Size 2)	5.3 kg
95014	Inner Post (Size 0)	3.4 kg

OUTER POST

Lower part of the adjustable leg for the ESS 21 system.

95012	Outer Post (Size 1)	6.6 kg
95013	Outer Post (Size 2)	8.6 kg
95015	Outer Post (Size 0)	6 kg

ESS 21 C HOOK

Modular frame for lifting ESS or similar table systems on and off structure. Maximum SWL 1200 kg.

395020	ESS 21 C Hook	135 kg

Falsework - Soffit Support - ESS21

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FORMWORK & FALSEWORK
We are the exclusive hire supplier of MEVA products in the UK

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24/7 national coverage with operations covered by QEHSS accreditations

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NOTES

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