Install the future!

Magic PV Solution:
Innovative mounting systems for photovoltaic systems

Building Connections

OBO BETTERMANN

This is how safe solar can be!

With a photovoltaic system, continuous availability is of decisive significance. With OBO, you are always on the (b)right side: This is because we not only offer you a complete system for almost every electrical requirement of a photovoltaic system, but also future-oriented solutions for flexible installations. Leading the way are our innovative mounting systems for pitched roofs, flat roofs and free-standing systems: the Magic PV solution. For more efficiency from A to solar!

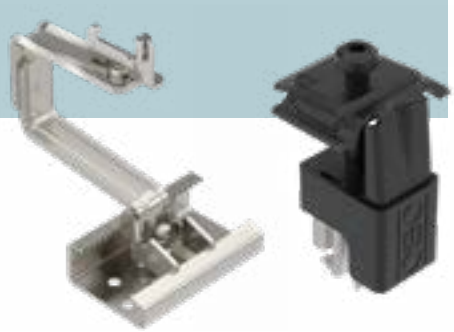
The benefits of the Magic PV solution

- Less work: A slim overall portfolio offers a simplified product selection and reduces warehouse storage to a minimum.
- More flexibility: With the Magic PV solution, countless customer-specific solutions and structural implementation options can be implemented.
- More security: Correct installation of all standard PV module dimensions is very simple.
- Versatile: The OBO systems can be adapted to different installation conditions with ease.
- More future: Digital planning tools and an innovative product configurator provide support in advising your customers.

Mounting system for Pitched roof systems

Most pitched roof systems are mounted on existing building roofs as so-called on-roof systems. Here, the PV modules are attached to the roof rafters using roof hooks, mounting rails and module clamps made of metal.

- Magic technology: Enables the profiles to be installed without screws or tools, thus saving time.
- Roof hook solution: Can be mounted on all standard pitched roof types and adjusted infinitely and down to the millimetre in all directions at any time.
- Universal clamp: Simultaneously functions as an intermediate or end clamp, covering a clamping range of 30–50 mm. For easy fixing of all standard PV modules.



Fewer components, less work.

The products for flat and pitched roof systems can be combined. This considerably reduces the number of individual components required.

Mounting system for flat roof systems

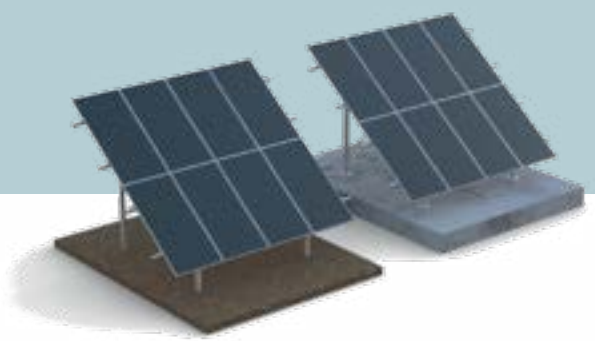
Photovoltaic systems can also be placed on flat roofs. The advantage here is that the PV modules can be mounted independently of a specific roof orientation.

- Magic technology: Enables the profiles to be installed without screws or tools, thus saving time.
- UniBase ballast system: For variable weighing down of the overall system using rectangular blocks – even at any time after installation!
- Can also be combined with other OBO products, as required, e.g. with the adapter for mesh cable trays, type 165 MBG HGRM.
- Universal clamp: Simultaneously functions as an intermediate or end clamp, covering a clamping range of 30–50 mm. For easy fixing of all standard PV modules.

Mounting system for Free-standing systems

Free-standing photovoltaics means the erection of PV modules on large areas not used for agriculture. Under favourable conditions, these photovoltaic systems can produce increased yields.

- The highest level of flexibility: Both rammed and anchored versions are available.
- Little installation work: We can offer you system components pre-mounted at the factory.
- Maximum mounting options: The profile with flexible length and perforation allows almost type of mounting. Besides the intended OBO terminals, also using standard fastening materials, such as standard bolts.



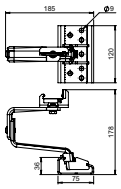
A2 2B

CE

Universal roof hook for PV module mounting, tiled roof

Type	Pack Piece	Item no.
DHU A2	10	**5901410**

Roof hook to mount photovoltaic modules on pitched roofs in combination with the TP 45 support profile. Suitable for tiled roofs. Lockable fastening on support profile. Mounting on rafters with TKS wafer-head screws. Roof hook can be infinitely adjusted horizontally and vertically using glands, correct spanner Torx 40. Height adjustment in the range of the roof slat between 40–54 mm, side adjustment option up to 76 mm, height adjustment of the support profile up to 18 mm.



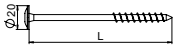
A2

CE

Wafer-head screw for roof hooks

Type	Length mm	Pack Piece	Item no.
TKS 8x100 A2	100	100	**5901800**
TKS 8x120 A2	120	100	**5901802**
TKS 8x200 A2	200	50	**5901804**

Wafer-head screw for fastening roof hooks to rafters when mounting photovoltaic modules on pitched roofs. Matching Torx 40 key.



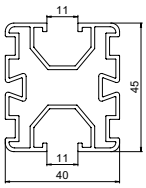
Alu BK

CE

Support profile for PV module mounting

Type	Length mm	Pack Piece	Item no.
TP 45 4700 ALU	4700	4	**5900410**
TP 45 2350 ALU	2350	4	**5900405**

Support profile to mount photovoltaic modules on flat and pitched roofs. Flat roof mounting in combination with UniBase universal stand and STK and STL short and long supports. Lockable fastening of the profile on the stand with UniBase AMP adapter. Pitched roof mounting in combination with universal DHU roof hook. Lockable fastening of the profile on roof hooks. Screwable connection of multiple support profiles with LV 45 straight connectors and KV 45 cross-connectors. With 10 mm groove on both sides to accept slide nuts and universal and earthing clamps.

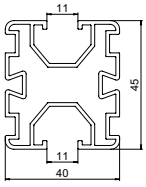


Alu EL

Support profile for PV module mounting

Type	Length mm	Pack Piece	Item no.
TP 45 4700 ALU S	4700	4	**5900412**

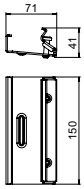
Support profile, black anodised, to mount photovoltaic modules on flat and pitched roofs. Flat roof mounting in combination with UniBase universal stand and STK and STL short and long supports. Lockable fastening of the profile on the stand with UniBase AMP adapter. Pitched roof mounting in combination with universal DHU roof hook. Lockable fastening of the profile on roof hooks. Screwable connection of multiple support profiles with LV 45 straight connectors and KV 45 cross-connectors. With 10 mm groove on both sides to accept slide nuts and universal and earthing clamps.



Straight connector for TP support profile

St DD

CE



Type		Pack Piece	Item no.
LV 45 DD		20	5901210

Straight connector for TP support profiles. Can be screwed on with Torx 30 spanner.

Cross-connector for TP support profiles

St DD

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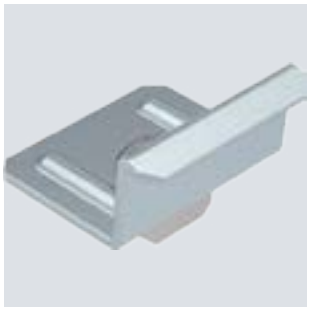
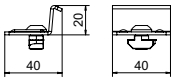




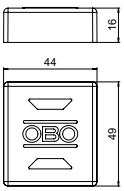
Type		Pack Piece	Item no.
KV 45 DD		20	5901250

Cross-connector for TP support profiles. Can be screwed on with Torx 40 spanner.

Support profile end cap

PE

CE



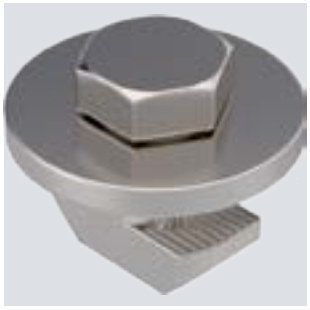
Type	Colour	Pack Piece	Item no.
EK 45 G	Grey	20	5901722
EK 45 S	Black	20	5901720

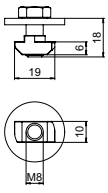
End cap for TP support profiles, as protection against injuries and contamination.

Bolt with hammer nut for PV module mounting

A2

CE





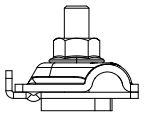
Type	Thread	Pack Piece	Item no.
SKS HM A2	M8	20	5901850

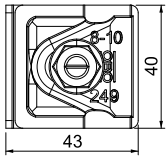
Bolt with hammer nut to fasten metal roof plates of make Lehmann to TP 45 support profiles.

A2

Earthing terminal for PV mounting systems

Type	Fit mm	Lightning current carrying capacity kA	Pack Piece	Item no.
249 PV10 6-50V2A	RD8-10 + 6-50mm²	H/100	8	**5051520**





Pre-mounted earthing terminal for the inclusion of PV mounting systems in the equipotential bonding. Suitable for the inclusion of the PV mounting systems in an external lightning protection system.
- Lightning current-compatible up to 100 kA (10/350)
- Rapid mounting through integrated spring mechanism
- For round conductor fastening RD 8–10
- To fasten single/multi-wire cables: 6–50 mm²
- For profiles with 10 mm groove
- Meets the requirements of DIN EN 62561-1

A2 BK

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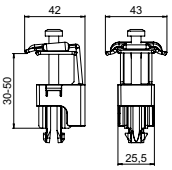
Universal clamp for PV module mounting

Type	For frame height mm	Pack Piece	Item no.
KLU A2	30-50	20	**5901010**



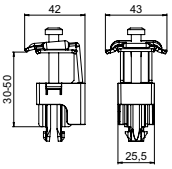
Universal clamp to mount photovoltaic modules on flat and pitched roofs, suitable as a clamp between 2 modules or as an end clamp. Lockable pre-fastening on TP 45 support profile and on STK and STL supports. Suitable for 10 mm slot width. Can be rotated through 90° after engaging. Lockable fastening of the PV module with Torx 30 wrench.

A2 K

CE

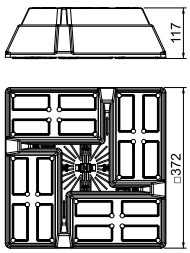
Universal clamp for PV module mounting

Type	For frame height mm	Pack Piece	Item no.
KLU A2 S	30-50	20	**5901012**



Universal clamp to mount photovoltaic modules on flat and pitched roofs, suitable as a clamp between 2 modules or as an end clamp. Lockable pre-fastening on TP 45 support profile and on STK and STL supports. Suitable for 10 mm slot width. Can be rotated through 90° after engaging. Lockable fastening of the PV module with Torx 30 wrench.

UniBase universal stand

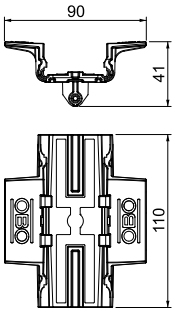


Type	Length mm	Width mm	Height mm		Pack Piece	Item no.
UniBase 10	372	372	117		8	**5403393**

Universal stand for ballasting with standard blocks up to a dimension of 200 x 100 x 100 mm. Can be used on flat roofs, e.g. for mounting PV mounting systems or for cable routing with cable trays or with mesh cable trays in conjunction with roof cable holder 165 MBG HGRM. Blocks not contained in the scope of delivery.

Adapter for TP 45 support profile

ASA



Type		Pack Piece	Item no.
UniBase TMP		16	**5403397**

Adapter for TP 45 support profile, for mounting on UniBase universal stand. Toolless mounting through snapping. With side holes for optional screwing. Toolless mounting and dismantling of the support profile possible. With non-slip support surface.

Support profile for PV module mounting

Alu BK EL

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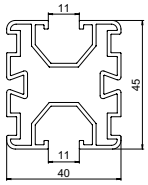
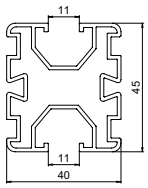


Type	Length mm		Pack Piece	Item no.
TP 45 4700 ALU	4700		4	**5900410**
TP 45 2350 ALU	2350		4	**5900405**
TP 45 4700 ALU S	4700		4	**5900412**

Support profile to mount photovoltaic modules on flat and pitched roofs. Flat roof mounting in combination with UniBase universal stand and STK and STL short and long supports. Lockable fastening of the profile on the stand with UniBase AMP adapter. Pitched roof mounting in combination with universal DHU roof hook. Lockable fastening of the profile on roof hooks. Screwable connection of multiple support profiles with LV 45 straight connectors and KV 45 cross-connectors. With 10 mm groove on both sides to accept slide nuts and universal and earthing clamps.

Support profile for PV module mounting

Alu EL



Type	Length mm		Pack Piece	Item no.
TP 45 4700 ALU S	4700		4	**5900412**

Support profile, black anodised, to mount photovoltaic modules on flat and pitched roofs. Flat roof mounting in combination with UniBase universal stand and STK and STL short and long supports. Lockable fastening of the profile on the stand with UniBase AMP adapter. Pitched roof mounting in combination with universal DHU roof hook. Lockable fastening of the profile on roof hooks. Screwable connection of multiple support profiles with LV 45 straight connectors and KV 45 cross-connectors. With 10 mm groove on both sides to accept slide nuts and universal and earthing clamps.

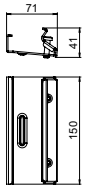
St DD

CE

Straight connector for TP support profile

Type	Colour	Pack Piece	Item no.
LV 45 DD		20	5901210

Straight connector for TP support profiles. Can be screwed on with Torx 30 spanner.



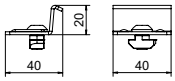
St DD

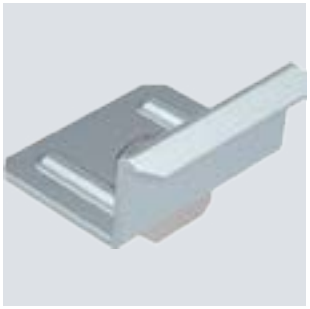
CE

Cross-connector for TP support profiles

Type	Colour	Pack Piece	Item no.
KV 45 DD		20	5901250

Cross-connector for TP support profiles. Can be screwed on with Torx 40 spanner.





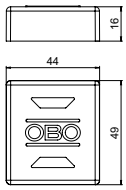
PE

CE

Support profile end cap

Type	Colour	Pack Piece	Item no.
EK 45 G	Grey	20	5901722
EK 45 S	Black	20	5901720

End cap for TP support profiles, as protection against injuries and contamination.



St DD

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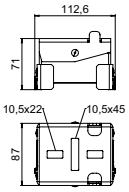
Short support for PV module mounting, flat roof

Type	Colour	Pack Piece	Item no.
STK DD		8	5901650

Short support to mount photovoltaic modules on flat roofs in combination with the TP 45/4700 support profile and KLU universal clamp. Slope angle 15°. Lockable fastening on support profile.



Long support for PV module mounting, flat roof

St DD

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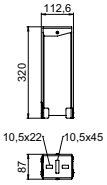


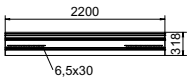
Type		Pack Piece	Item no.
STL 15 DD		4	**5901655**

Long support to mount photovoltaic modules on flat roofs in combination with the TP 45/4700 support profile and KLU universal clamp. Slope angle 15°. Lockable fastening on support profile.

Wind protection panel for photovoltaic systems

St DD

CE



Type	Length mm		Pack Piece	Item no.
WSB 2200 DD	2200		4	**5901610**

Wind protection panel for use with photovoltaic systems with south alignment and standard inclinations of 15°. As protection against wind loads during extreme wind conditions. Lockable and screwable fastening to STL 15 long support.

Flat-head screw for wind protection plate

A2 2B

CE

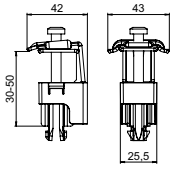
Type	Dimension mm		Pack Piece	Item no.
FKS M6x25 A2	M6x25		100	**5901880**

Flat-head screw with hexalobular internal to fasten wind protection plates to the STL 15 long support of the photovoltaic mounting systems for flat roofs. Matching Torx 30 key.

Universal clamp for PV module mounting

A2 BK

CE



Type	For frame height mm		Pack Piece	Item no.
KLU A2	30-50		20	**5901010**

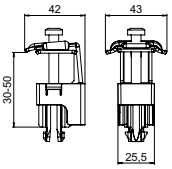
Universal clamp to mount photovoltaic modules on flat and pitched roofs, suitable as a clamp between 2 modules or as an end clamp. Lockable pre-fastening on TP 45 support profile and on STK and STL supports. Suitable for 10 mm slot width. Can be rotated through 90° after engaging. Lockable fastening of the PV module with Torx 30 wrench.

A2 K

Universal clamp for PV module mounting

Type	For frame height mm	Pack Piece	Item no.
KLU A2 S	30-50	20	**5901012**

Universal clamp to mount photovoltaic modules on flat and pitched roofs, suitable as a clamp between 2 modules or as an end clamp. Lockable pre-fastening on TP 45 support profile and on STK and STL supports. Suitable for 10 mm slot width. Can be rotated through 90° after engaging. Lockable fastening of the PV module with Torx 30 wrench.

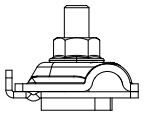


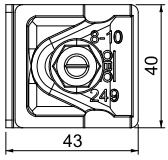
A2

Earthing terminal for PV mounting systems

Type	Fit mm	Lightning current carrying capacity kA	Pack Piece	Item no.
249 PV10 6-50V2A	RD8-10 + 6-50mm²	H/100	8	**5051520**

Pre-mounted earthing terminal for the inclusion of PV mounting systems in the equipotential bonding. Suitable for the inclusion of the PV mounting systems in an external lightning protection system.
- Lightning current-compatible up to 100 kA (10/350)
- Rapid mounting through integrated spring mechanism
- For round conductor fastening RD 8–10
- To fasten single/multi-wire cables: 6–50 mm²
- For profiles with 10 mm groove
- Meets the requirements of DIN EN 62561-1





St FT E30 E60 E90

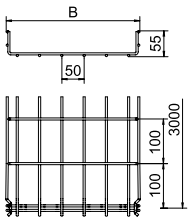
Mesh cable tray GR-Magic® 55

Type	Width mm	Wire Ø mm	Pack m	Item no.
GRM 55 50 FT	50	3.9	3	**6001415**
GRM 55 100 FT	100	3.9	3	**6001416**
GRM 55 150 FT	150	3.9	3	**6001418**
GRM 55 200 FT	200	3.9	3	**6001420**
GRM 55 200 4.8FT	200	4.8	3	**6001421**
GRM 55 300 FT	300	4.8	3	**6001424**
GRM 55 400 FT	400	4.8	3	**6001428**
GRM 55 500 FT	500	4.8	3	**6001432**
GRM 55 600 FT	600	4.8	3	**6001436**

Mesh cable tray with shaped connector of side height 55 mm.

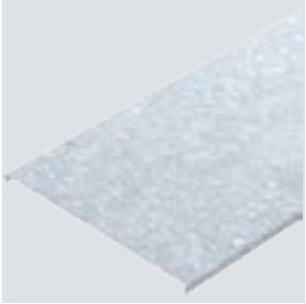
Magnetic shield insulation without cover 15 dB, with cover 25 dB.
You can find detailed information regarding the UL classification in the respective certification.

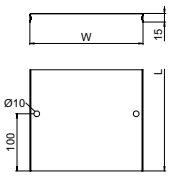
No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm (exception: GRM 55/50 = 20 x 100 mm).



Cover for mesh cable tray, latchable

St FT





Type	Dim. B mm	Metal thick-ness mm	Length mm	Pack m	Item no.
DGRR 50 FT	50	0.75	3000	3	**6001820**
DGRR 100 FT	98	0.75	3000	3	**6001822**
DGRR 150 FT	148	0.75	3000	3	**6001824**
DGRR 200 FT	198	0.75	3000	3	**6001826**
DGRR 300 FT	298	0.75	3000	3	**6001828**
DGRR 400 FT	398	0.75	3000	3	**6001830**
DGRR 500 FT	498	0.75	3000	3	**6001832**
DGRR 600 FT	598	0.75	3000	3	**6001834**

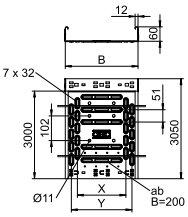
With transverse bead from 400 mm width.

Lockable cover for mesh cable trays of type GR and GRM. Protects cables from damage, contamination and moisture from above. Suitable for industrial areas such as mechanical engineering.

When using covers outdoors, additional measures against the influence of wind may need to be taken.

Cable tray RKS-Magic® 60

St FT

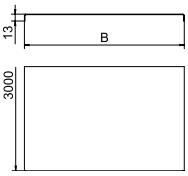


Type	Width mm	Metal thick-ness mm	BS	Pack m	Item no.
RKSM 610 FT	100	1.00		3	**6047612**
RKSM 615 FT	150	1.00		3	**6047631**
RKSM 620 FT	200	1.00		3	**6047639**
RKSM 630 FT	300	1.00		3	**6047655**
RKSM 640 FT	400	1.00		3	**6047690**
RKSM 650 FT	500	1.00		3	**6047720**
RKSM 660 FT	600	1.00		3	**6047736**

Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm.
The cable tray has continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components.
The perforation for direct threaded rod suspension has a diameter of 11 mm.

Unperforated cover

St DD



Type	Dim. B mm	Metal thick-ness mm	Length mm	Pack m	Item no.
DRLU 100 DD	100	1.00	3000	3	**6052643**
DRLU 150 DD	150	1.00	3000	3	**6052647**
DRLU 200 DD	200	1.00	3000	3	**6052650**
DRLU 300 DD	300	1.00	3000	3	**6052656**
DRLU 400 DD	400	1.00	3000	3	**6052662**
DRLU 500 DD	500	1.50	3000	3	**6052668**
DRLU 600 DD	600	1.50	3000	3	**6052674**

Cover for cable trays and mesh cable trays.

When using covers outdoors, additional measures against the influence of wind must be taken.

Transverse bead from 500 mm width.

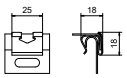
A2 2B

CE

Cover clamp

Type	Pack Piece	Item no.
DK DRLU A2	30	6052810

Cover clamp for secure fastening of covers on cable trays and cable ladders.
At least 6 cover clamps should be mounted for each 3 metres of cover.

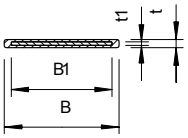


A2 K

SBR 8 tightening strap

Type	Avg. breaking load kN	Colour	Dim. B mm	Dim. t mm	Dimension B1 mm	Pack m	Item no.
SBR 8 A2K	1.16	Jet black	9.3	1	8	40	6490192
SBR 15 A2K	4.19	Jet black	17	1.2	15	25	6490282

Tightening strap made of rustproof steel with plastic jacketing to fasten cables on cable support systems.

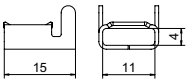


A2 2B

SBV 8 tightening strap lock

Type	Pack Piece	Item no.
SBV 8 A2	100	6490942

Tightening strap lock made of rustproof steel, suitable for portfolio with 8 mm width.

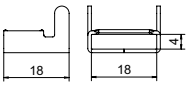


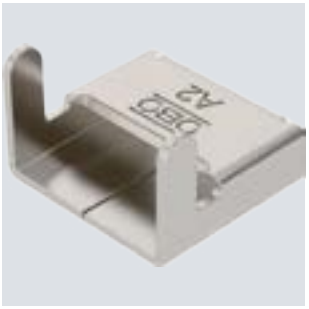
A2 2B

SBV 15 tightening strap lock

Type	Pack Piece	Item no.
SBV 15 A2	100	6490964

Tightening strap lock made of rustproof steel, suitable for a range of products with a 15 mm width.





Metal strip clips, wide

A2 2B

Type	Length mm	Width mm	Pack Piece	Item no.
MBS 075	750	12	25	**7203108**
MBS 100	1000	12	25	**7203110**
MBS 120	1200	12	25	**7203112**
MBS 150	1500	12	25	**7203114**

Metal strip clip in ladder form with single lock. For high-temperature and weatherproof fixing. Use MBS-Z pliers to tighten.

Metal strip clips, narrow

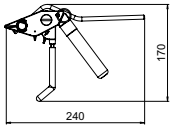
A2 2B

Type	Length mm	Width mm	Pack Piece	Item no.
MBS 015	150	7	100	**7203100**
MBS 030	300	7	100	**7203102**
MBS 045	450	7	50	**7203104**
MBS 061	610	7	50	**7203106**

Metal strip clip in ladder form with single lock. For high-temperature and weatherproof fixing. Use MBS-Z pliers to tighten.

Spring chuck

St



Type	Pack Piece	Item no.
576	1	**6498027**

Clamping tool for all OBO tightening straps in conjunction with appropriate tightening strap locks. With high clamping force, ratchet function, shortening unit and round grips for pleasant handling.

Pliers for metal strip clips

St

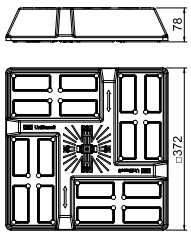
Type	Pack Piece	Item no.
MBS-Z	1	**7203120**

High-quality spring chuck with cutting tool for metal strip clips, type MBS.

UniBase universal stand

Type	Length mm	Width mm	Height mm		Pack Piece	Item no.
UniBase 6	372	372	78		16	**5403391**

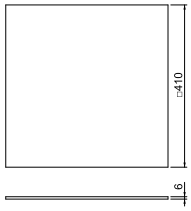
Universal stand for ballasting with standard blocks up to a dimension of 200 x 100 x 100 mm. Can be used on flat roofs, e.g. for mounting PV mounting systems or for cable routing with cable trays or with mesh cable trays in conjunction with roof cable holder 165 MBG HGRM. Blocks not contained in the scope of delivery.



Building protection mat, flat roof

Type	Length mm	Width mm	Height mm		Pack Piece	Item no.
UniBase BSM	410	410	6		16	**5403402**
UniBase BSM ALU	410	410	6		16	**5403404**

Building protection mat as an underlay under stands of type UniBase 6 + UniBase 10 for flat roof PV mounting systems, as protection of the roof seal on flat roofs according to DIN 18531. Also suitable for height compensation of the PV mounting system. Made of recycled material; depending on the version, also available with aluminium lining.

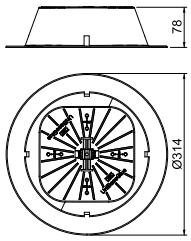


ASA

UniBase universal stand for gluing

Type	Dia-meter mm		Pack Piece	Item no.
UniBase Glue	314		16	**5403395**

Universal stand for gluing on flat roofs. Can be used for routing cables with cable trays or mesh cable trays in conjunction with 165 MBG HGRM roof conductor holders. Gluing collar must be selected according to the substrate.

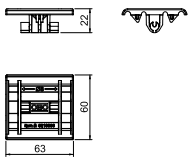


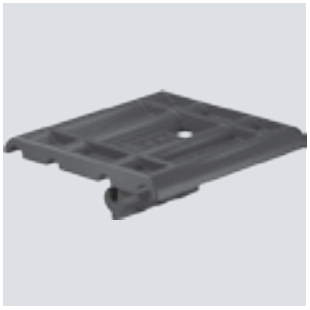
PP

Mesh cable tray adapter for roof conductor holder

Type	Colour	Fit mm		Pack Piece	Item no.
165 MBG HGRM	Black	Rd 8		50	**5218886**

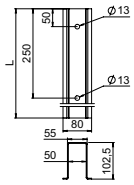
- Adapter for GR-Magic® mesh cable trays with a mesh width of 50 mm or 20 mm
- For fastening to type 165 MBG 8-10 and UniBase
- Mounting without tools
- From polypropylene, black, UV-resistant and weatherproof
- Toolless installation





Ramming pile, free-standing system

St FT

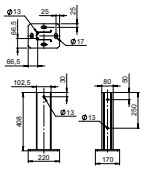


Type	Length mm	Pack Piece	Item no.
RP 1800 FT	1800	1	**5900106**
RP 2300 FT	2300	1	**5900110**

Ramming pile as a bracket for pre-mounted supports to mount free-standing photovoltaic systems. Mounting in the earth through ramming.

Stand, free-standing system

St FT



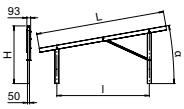
Type	Pack Piece	Item no.
SF 400 FT	1	**5900900**

Stand as a bracket for pre-mounted supports to mount free-standing PV systems. Mounting on concrete foundations with M16 bolt ties. Fastening material must be ordered separately.

Pre-mounted supports for PV module mounting, free-standing system

St FT

CE



Type	Angle α °	Dim. H mm	Dim. L mm	Dim. l mm	Module height mm	Pack Piece	Item no.
VT 10S FT	10	1376	2705	2265	1600-1850	1	**5901550**
VT 10M FT	10	1413	3119	2265	1850-2100	1	**5901552**
VT 10L FT	10	1445	3488	2265	2100-2400	1	**5901554**
VT 25S FT	25	1996	2516	2085	1600-1850	1	**5901556**
VT 25M FT	25	2085	2896	2085	1850-2100	1	**5901558**
VT 25L FT	25	2164	3236	2085	2100-2400	1	**5901560**
VT 30S FT	30	2188	2413	1992	1600-1850	1	**5901562**
VT 30M FT	30	2293	2777	1992	1850-2100	1	**5901564**
VT 30L FT	30	2387	3102	1992	2100-2400	1	**5901566**

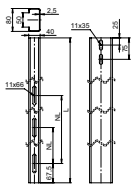
Pre-mounted support in small, medium or large size to mount free-standing photovoltaic systems in combination with support profiles and end/connection clamps. Mounting with ramming piles in the earth or with stands on concrete foundations.

St FT

Support profile for PV module mounting, free-standing system

Type	Length mm	Module width mm	Pack Piece	Item no.
TP 1000 FT	5650	990 - 1000	1	**5900500**
TP 1010 FT	5705	1000 - 1010	1	**5900502**
TP 1020 FT	5760	1010 - 1020	1	**5900504**
TP 1030 FT	5815	1020 - 1030	1	**5900506**
TP 1040 FT	5780	1030 - 1040	1	**5900508**
TP 1050 FT	5925	1040 - 1050	1	**5900510**
TP 1060 FT	5980	1050 - 1060	1	**5900512**
TP 1100 FT	5090	1090 - 1100	1	**5900520**
TP 1140 FT	5270	1130 - 1140	1	**5900522**
TP 1310 FT	6035	1300 - 1310	1	**5900530**

Support profile to mount photovoltaic modules on free-standing systems. Mounting of support profile on pre-mounted supports with KV FT cross-connectors. Mounting of the PV modules on the support profile with end and/or connection clamps. Connection of multiple support profiles with LV FT straight connectors and KV FT cross-connectors, screw-on.



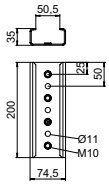
St FT

CE

Straight connector for support profiles, free-standing system

Type	Pack Piece	Item no.
LV FT	20	**5901215**

Straight connector to connect support profiles for free-standing photovoltaic systems. Fastening with pre-installed M6 screw, screw-on with Torx 30 wrench.



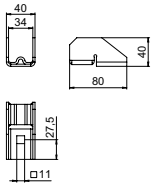
St FT

CE

Cross-connector for TP support profiles, free-standing system

Type	Pack Piece	Item no.
KV FT	50	**5901255**

Cross-connector to connect support profiles for free-standing photovoltaic systems. Fastening with pre-installed M8 screw, screw-on with Torx 40 wrench.



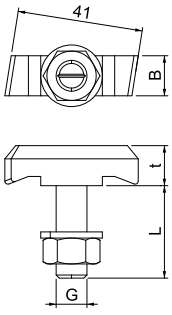
A4 2B

CE

Hook-head screw

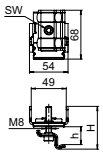
Type	Pack Piece	Item no.
MS50HB M12x30 A4	50	**1148276**
MS50HB M12x60 A4	25	**1148280**

Hook-head screw for use with MS5030 profile rail



End clamp for PV module mounting, free-standing system

A2

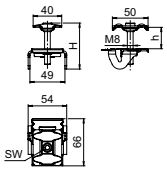


Type	For frame height mm		Pack Piece	Item no.
KLE 20 A2	20		50	**5901070**
KLE 25 A2	25		50	**5901072**
KLE 30 A2	30		50	**5901074**
KLE 35 A2	35		50	**5901076**
KLE 40 A2	40		50	**5901078**
KLE 45 A2	45		50	**5901080**
KLE 50 A2	50		50	**5901082**

End clamp for fastening photovoltaic modules on support profiles of free-standing systems. Lockable pre-fastening of the module frames on the support profile. Suitable for slot width 10 mm. Lockable fastening of the PV module with Torx 30 wrench.

Connection clamp for PV module mounting, free-standing system

A2



Type	For frame height mm		Pack Piece	Item no.
KLZ 2030 A2	20-30		50	**5901050**
KLZ 3040 A2	30-40		50	**5901054**
KLZ 4050 A2	40-50		50	**5901058**

Connection clamp for fastening photovoltaic modules on support profiles of free-standing systems. Lockable pre-fastening of the module frames on the support profile. Suitable for slot width 10 mm. Lockable fastening of the PV module with Torx 30 wrench.

You can find additional information on the OBO Magic PV Solution mounting systems at **obo.eu/photovoltaics**

OBO Bettermann Holding GmbH & Co. KG
P.O. Box 1120
58694 Menden
GERMANY

Customer Service
Tel.:+49 23 73 89 - 17 00
export@obo.de

www.obo-bettermann.com

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Building Connections

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