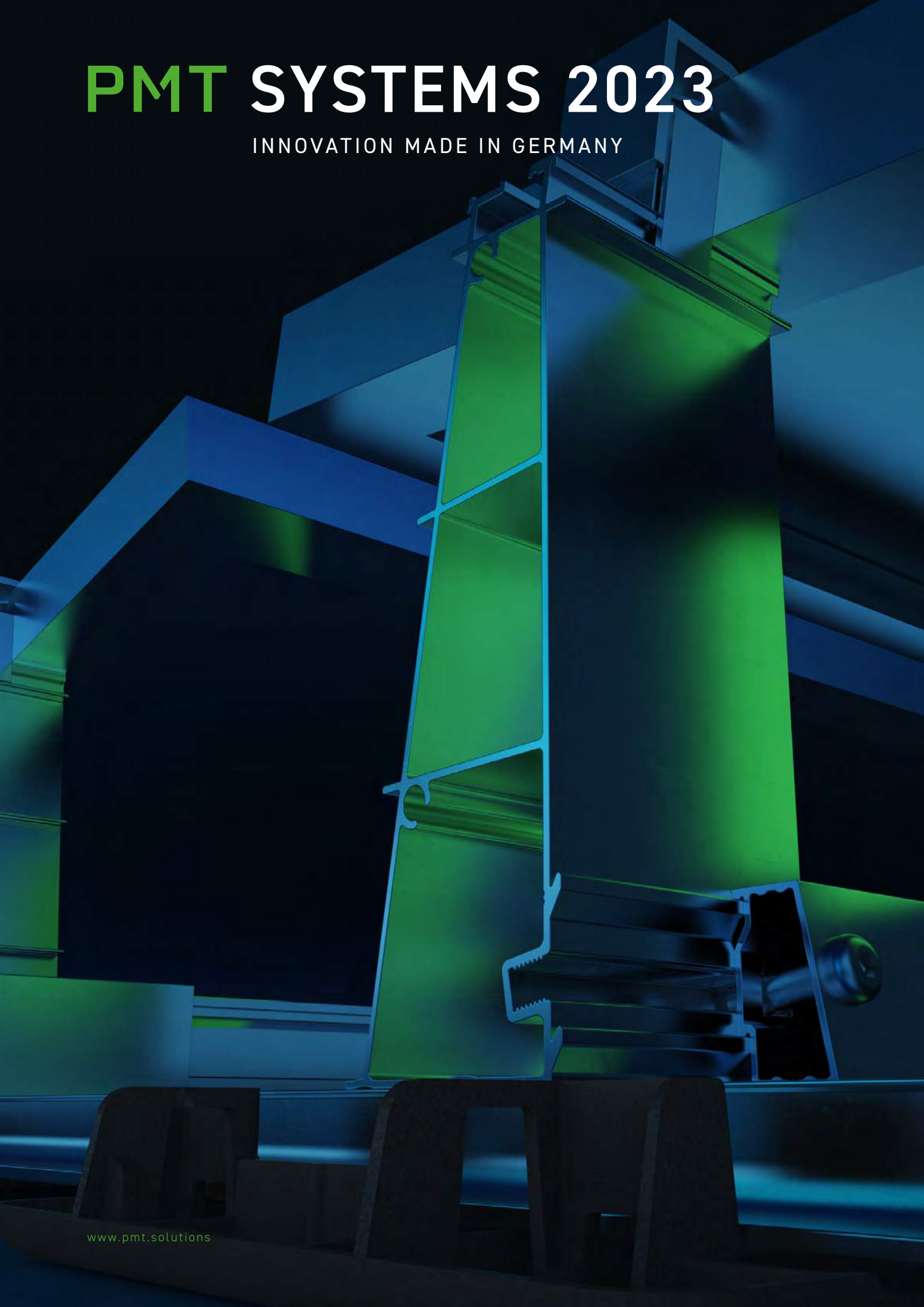
PMT SYSTEMS 2023

INNOVATION MADE IN GERMANY



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PMT

WITH A
PMT MOUNTING
SYSTEM, YOU
OPT FOR QUALITY
AND SAFETY
FAR BEYOND THE
STANDARD IN THE
MARKET.

PMT

VISION

NEXT LEVEL MOUNTING to us means best service, uncompromising safety and sustainable quality. With this claim, we work daily to offer our customers a perfect photovoltaic solution.

Continuous development based on the requirements of our target groups enables us to act directly on the needs of the market. With numerous national and international customers, we see our future in a global orientation and want to continue to grow.

PROMISE

Our durable, proven and service-oriented solutions meet the highest safety and quality requirements. Through procedures such as in-depth tests in the wind tunnel, component tests and theoretical calculations, we test our developments again and again and continuously optimise our products.

The high demands on aesthetics and functionality are not in competition with the cost efficiency of our systems.

PMT SECURITY

As one of the first companies with a general building regulatory approval (approval number Z-14.4-790, for the aerodynamic flat roof system PMT Evolution and the further developments PMT EVO 2.0 and PMT EVO 2.1), we guarantee absolute legal certainty for our assembly systems. This has been certified by the German Institute for Building Technology (DIBT).

PMT ALLGEMEINE BAUAUFSICHTLICHE ZULASSUNG

PMT EVO

UNIVERSAL COMPONENTS THAT ARE INSTALLED
IN BOTH EVO SYSTEMS.

PMT

BASE

The base serves as a lower support for the modules and is available in 10° and 15° inclination variants. The design depends on the module width. It is affixed by clicking into the main base profiles.

Art.-No.	Brief description	Description	Module width*	VPE
52215-1384-01	EVO B10 Type 75	Base 10°	985 – 1015 mm	72
52215-1816	EVO B10 M6 Type 75		1016 – 1300 mm	
52215-1722	EVO B15 Type 75	Base 15°	985 – 1015 mm	
52215-2194	EVO B15 M6 Type 75		1016 – 1068 mm at S 1016 – 1080 mm at EW	

*Module width depending on the selected system variant

TOWER

The tower serves as an upper support and is available in the inclination variants 10° and 15°. It is affixed by clicking onto the main base profiles.

Art.-No.	Brief description	Description	VPE
52215-1385	EVO T10 Type 75	Tower 10°	64
52215-1676	EVO T15 Type 75	Tower 15°	32

REAR WALL TOWER SOUTH

To install the south system, wind deflectors (rear walls) are required. These reduce the lifting force. The rear wall tower serves as a fastening point and is clicked onto the main base profile.

Art.-No.	Brief description	Description	VPE
52215-1386	EVO RWT10 Type 75	Rear wall tower S 10° South 10° inclination with module width 985 – 1068 mm	92
52215-1678-01	EVO RWT15 Type 75	Rear wall tower S 10°/15° South 10° inclination with module width 1036 – 1300 mm South 15° inclination at module widths 985 – 1068 mm	48

REAR WALL SOUTH

The rear wall is affixed to the rear wall towers. Depending on the angle of inclination and module length, different dimensions result. Please contact us for module widths over 1220 mm or module lengths over 2200 mm.

Fixation with: Screw M8 x 16, Art.-No. 52215-1599

Art.-No.	Brief description	Angle of inclination	Module width*	Module length	Length rear panel	VPE
52215-1391	EVO RW10 Type 1800	10°	985 – 1068 mm	1590 – 1740 mm	1800 mm	100
52215-2221	EVO RW10 Type 1900			1741 – 1840 mm	1900 mm	
52215-2218	EVO RW10 Type 2000			1841 – 1940 mm	2000 mm	
52215-1658	EVO RW10 Type 2100			1941 – 2040 mm	2100 mm	
52215-2219	EVO RW10 Type 2200			2041 – 2140 mm	2200 mm	
52215-2220	EVO RW10 Type 2300			2141 – 2240 mm	2300 mm	
52215-3331	EVO RW10 Type 2400			2241 – 2340 mm	2400 mm	
52215-1679	EVO RW15 Type 1800	15°		1590 – 1740 mm	1800 mm	
52215-2267	EVO RW15 Type 1900			1741 – 1840 mm	1900 mm	
52215-2268	EVO RW15 Type 2000			1841 – 1940 mm	2000 mm	
52215-1813	EVO RW15 Type 2100			1941 – 2040 mm	2100 mm	
52215-2265	EVO RW15 Type 2200			2041 – 2140 mm	2200 mm	
52215-2266	EVO RW15 Type 2300			2141 – 2240 mm	2300 mm	
52215-3332	EVO RW15 Type 2400			2241 – 2340 mm	2400 mm	80
52215-3087	EVO RW Type 1, l = 1800 mm	10°	1036 – 1220 mm	1590 – 1740 mm	1800 mm	100
52215-3086	EVO RW Type 1, l = 1900 mm			1741 – 1840 mm	1900 mm	
52215-3081	EVO RW Type 1, l = 2000 mm			1841 – 1940 mm	2000 mm	
52215-3085	EVO RW Type 1, l = 2100 mm			1941 – 2040 mm	2100 mm	
52215-3084	EVO RW Type 1, l = 2200 mm			2041 – 2140 mm	2200 mm	
52215-3083	EVO RW Type 1, l = 2300 mm			2141 – 2240 mm	2300 mm	
52215-3082	EVO RW Type 1, l = 2400 mm			2241 – 2340 mm	2400 mm	
52215-3094	EVO RW Type 2, l = 1800 mm			1590 – 1740 mm	1800 mm	
52215-3093	EVO RW Type 2, l = 1900 mm			1741 – 1840 mm	1900 mm	
52215-3092	EVO RW Type 2, l = 2000 mm			1841 – 1940 mm	2000 mm	
52215-3091	EVO RW Type 2, l = 2100 mm			1941 – 2040 mm	2100 mm	
52215-3090	EVO RW Type 2, l = 2200 mm			2041 – 2140 mm	2200 mm	
52215-3089	EVO RW Type 2, l = 2300 mm			2141 – 2240 mm	2300 mm	
52215-3088	EVO RW Type 2, l = 2400 mm			2241 – 2340 mm	2400 mm	

*Module width depending on the selected system variant

CROSS & BALLAST STRUT

The cross and ballast strut increases the system stability and additionally offers the possibility of supporting the ballast under the modules as a double cross strut.

The cross struts are available in different lengths for module lengths from 1550 to 2407 mm. Please contact us for module lengths over 2308 mm.

Fixation with: 2 x screw M8 x 30, Art.-No. 52215-1460

Art.-No.	Brief description	Length of cross strut	Module length	VPE
52215-2261	EVO QBS Type 1570	1570 mm	1550 – 1590 mm	28
52215-2545	EVO QBS Type 1601	1601 mm	1591 – 1613 mm	
52215-2204	EVO QBS Type 1614	1614 mm	1614 – 1639 mm	
52215-1387	EVO QBS Type 1648	1648 mm	1640 – 1665 mm	
52215-1388	EVO QBS Type 1682	1682 mm	1666 – 1700 mm	
52215-1924	EVO QBS Type 1717	1717 mm	1701 – 1733 mm	
52215-2186	EVO QBS Type 1752	1752 mm	1734 – 1776 mm	
52215-2187	EVO QBS Type 1787	1787 mm	1777 – 1812 mm	
52215-2552	EVO QBS Type 1832	1832 mm	1813 – 1846 mm	
52215-2555	EVO QBS Type 1931	1931 mm	1913 – 1949 mm	
52215-1389	EVO QBS Type 1962	1962 mm	1950 – 1977 mm	
52215-1660	EVO QBS Type 1990	1990 mm	1978 – 2005 mm	
52215-2041	EVO QBS Type 2017	2017 mm	2006 – 2033 mm	
52215-2558	EVO QBS Type 2030	2030 mm	2034 – 2049 mm	
52215-1937	EVO QBS Type 2067	2067 mm	2050 – 2089 mm	
52215-2195	EVO QBS Type 2102	2102 mm	2090 – 2117 mm	
52215-2034	EVO QBS Type 2130	2130 mm	2118 – 2145 mm	
52215-2563	EVO QBS Type 2195	2195 mm	2177 – 2209 mm	
52215-2564	EVO QBS Type 2228	2228 mm	2210 – 2242 mm	
52215-2565	EVO QBS Type 2261	2261 mm	2243 – 2275 mm	
52215-2566	EVO QBS Type 2294	2294 mm	2276 – 2308 mm	
52215-2567	EVO QBS Type 2327	2327 mm	2309 – 2341 mm	
52215-2568	EVO QBS Type 2360	2360 mm	2342 – 2374 mm	
52215-2569	EVO QBS Type 2393	2393 mm	2375 – 2407 mm	

CONNECTOR FOR CROSS AND BALLAST STRUT

The cross strut connector serves as a connecting element between the individual cross struts and ballast struts.

Fixation with: 2 x screw M8 x 30, Art.-Nr. 52215-1460

Art.-No.	Brief description	Description	Length	VPE
52215-1390-02	EVO QSV Type 390	Cross strut connector with elongated holes	390 mm	85
52215-1464	EVO QSVU Type 1180	Cross strut connector universal	1180 mm	30

MOUNTING ADAPTER FOR CROSS AND BALLAST STRUT (MAQBS)

When using larger modules, the use of the mounting adapter for cross and ballast struts is necessary to ensure ballast by means of ballast bricks. The adapter is mounted by clicking onto the main base profiles.

Deployment: Module widths from 1036 mm in the Comfort version, module widths from 1106 mm in the Eco version.

Art.-No.	Brief description	Description	Length	VPE
52215-1962	EVO MAQBS Type 75	Mounting adapter cross and ballast strut	75 mm	42

RIDGE CONNECTOR CROSS STRUT

The ridge is built over in the module direction in combination with this ridge connector. It is inserted into the cross and ballast struts and fixed with screws.

Fastening to the cross strut with:
4 x screw M8 x 30, Art.-No. 52215-1654

Art.-No.	Brief description	Length	Bend & roof inclination	VPE
52215-2081	EVO QSVU Type 1180 – bent	1180 mm	No bend	30
52215-2250	EVO QSVU Type 1180 – 1°		1° / 0.5°	
52215-2088	EVO QSVU Type 1180 – 2°		2° / 1°	
52215-2071	EVO QSVU Type 1180 – 2.5°		2.5° / 1.25°	
52215-2040	EVO QSVU Type 1180 – 3°		3° / 1.5°	
52215-1717	EVO QSVU Type 1180 – 4°		4° / 2°	
52215-2085	EVO QSVU Type 1180 – 4.5°		4.5° / 2.25°	
52215-2269	EVO QSVU Type 1180 – 5°		5° / 2.5°	
52215-1720	EVO QSVU Type 1180 – 6°		6° / 3°	
52215-2140	EVO QSVU Type 1180 – 7°		7° / 3.5°	
52215-1946	EVO QSVU Type 1180 – 8°		8° / 4°	
52215-2704	EVO QSVU Type 1180 – 9°		9° / 4.5°	
52215-1740	EVO QSVU Type 1180 – 10°		10° / 5°	
52215-3370	EVO QSVU Type 1180 – 1.5°		1.5° / 0.75°	50
52215-3249	EVO QSVU Type 1180 – 3.5°		3.5° / 1.75°	
52215-3550	EVO QSVU Type 1180 – 12°		12° / 6°	
52215-3258	EVO QSVU Type 1180 – 14°		14° / 7°	
52215-2661	EVO QSVU Type 1180 – 16°		16° / 8°	
52215-3393	EVO QSVU Type 1180 – 20°		20° / 10°	

USO CONNECTION

(UNIVERSAL TETHERING POINT CONNECTION)

The USO connection connects the mounting foot (see system overlapping components) to the substructure. The connection is made to the installed double cross struts.

Fixation with:

6 x thin plate screw 4.8 x 19, Art.-No. 52215-1933
1 x fan disc M12, Art.-No. 52215-1408
1 x washer DIN 9021-13-A2, Art.-No. 52215-4218
1 x hexagon nut M12, Art.-No. 52215-0969
1 x hexagon nut M12, Art.-Nr. 52215-1659

Art.-No.	Brief description	Description	Compatible with main bottom profile	VPE
52215-1657	EVO USO EW10 Type 100 – Single part	USO Adapter East-West 10° – 319 x 100 mm	2013 / 2150 / 2250 / 2450 mm	70
52215-2371	EVO USO EW10 Type 100 – Single part	USO Adapter East-West 15° – 336 x 100 mm	2013 mm	70
52215-1698	EVO USO S10 Type 100 – Single part	USO Adapter South / East-West 10° – 241 x 100 mm	South – 1467 / 1618 / 176 mm East-West 10° – 2350 mm	80
52215-2368	EVO USO S15 Type 100 – Single part	USO Adapter South 15° – 227 x 100 mm	South 15° – 1467 / 1618 mm	70
52215-2759	EVO USO Type 2 – Single part	USO Adapter South – 318 x 100 mm	1618 mm (rear wall tower position 2)	70
52215-2760	EVO USO Type 3 – Single part	USO Adapter South 10° – 385 x 100 mm	1768 mm (rear wall tower position 2)	50

ADAPTER FOR SUPPORTS OF THE CABLE TRAY

Using the adapter for the supports of the cable tray, the cable tray can be laid in the module direction. Mounting is done at the 90° angle on the tower.

Fixation with:
2 x screw M8 x 30, Art.-No. 52215-1460,
2 x thin sheet screw 4.5 x 25 , Art.-Nr. 52215-1933

Art.-No.	Brief description	Description	Length	VPE
52215-1612	EVO TRQBS L Type 150	Adapter cable tray cross strut left	150 mm	1
52215-1611	EVO TRQBS R Type 150	Adapter cable tray cross strut right		

SUPPORT FOR SOLAR SENSOR

Mounting solution for easy mounting of an solar sensor on the system. Mounting is done on the tower.

Fixation with: 2 x screw M8 x 16, Art.-No. 52215-1599

Art.-No.	Brief description	Description	VPE
52215-1647	EVO TES L type 10° – Single part	Support solar sensor left 10°	1
52215-1894	EVO TES L type 15° – Single part	Support solar sensor left 15°	
52215-1629	EVO TES R type 10° – Single part	Support solar sensor right 10°	
52215-1895	EVO TES R type 15° – Single part	Support solar sensor right 15°	

MID SUPPORT EAST-WEST

The mid support provides additional support for high snow loads, large modules and for insulation relief.
Different versions are available depending on module widths and required main base profiles. Mounting is done on the tower.

Fixation with:
2 x screw M8 x 16 – each mid support 10°, Art.-No. 52215-1599
4 x screw M8 x 16 – each mid support 15°, Art.-No. 52215-1599

Art.-No.	Brief description	System & inclination angle	Module width*	Compatible bottom profile	VPE
52215-1868	EVO MAG EW10 – Single part – 2013	EW 10°	985 – 1080 mm	2013 mm	68
52215-2767	EVO MAG EW10 – Single part – 2150		1036 – 1150 mm	2150 mm	34
52215-2768	EVO MAG EW10 – Single part – 2250		1106 – 1200 mm	2250 mm	
52215-2757	EVO MAG EW10 – Single part – 2350		1156 – 1250 mm	2350 mm	
52215-3002	EVO MAG EW10 – Single part – 2450		1206 – 1300 mm	2450 mm	
52215-1869	EVO MAG EW15 – Single part – 2013	EW 15°	985 – 1080 mm	2013 mm	40

*Module width depending on the selected system variant

MID SUPPORT SOUTH

The mid support provides additional support for high snow loads, large modules and for insulation relief. Different versions are available depending on module widths and required main base profiles. Two mid supports are mounted per tower (except for Art.-No. 52215-2762).

Fixation with:
2 x screw M8 x 16 – per mid support, Art.-No. 52215-1599

Art.-No.	Brief description	System & inclination angle	Module width*	Compatible base profile	VPE
52215-1964	EVO MAG S10 – Single part	S 10°	985 – 1068 mm	1467 mm & 1618 mm – Rear wall tower position 1	90
52215-2761	EVO MAG S10 – Type 1		1036 – 1150 mm	1618 mm – Rear wall tower position 2	
52215-2762	EVO MAG S10 – Type 2		1106 – 1300mm	1768 mm (fastening with four screws)	4
52215-2039	EVO MAG S15 - Single part	S 15°	985 – 1068 mm	1467 & 1618mm	90

*Module width depending on the selected system variant

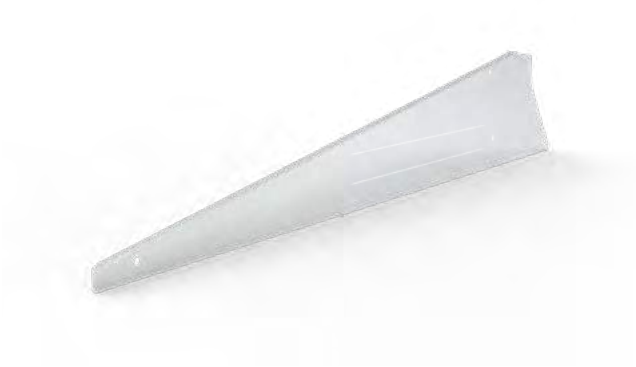
SIDE COVER EAST-WEST

In certain situations, the use of side covers can have a ballast-reducing effect. This is calculated individually for each planning.

Fixation with:
6 x screw M8 x 16 – per double module unit,
7 x screw M8 x 16 – from a rail length of 2150 mm
Art.-No. 52215-1599

Art.-no.	Brief description	Page	System & Inclination	Module width*	Base profile	Length sheet metal	VPE
52215-1608	EVO SDL EW10 – 2013	left	EW 10°	985 – 1080 mm	2013 mm	1074 mm	50
52215-2742	EVO SDL EW10 – 2150 / 2250			1036 – 1200 mm	2150 / 2250 mm	1284 mm	
52215-2744	EVO SDL EW10 – 2350 / 2450			1156 – 1300 mm	2350 / 2450 mm	1423 mm	
52215-1822	EVO SDL EW15 – 2013		EW 15°	985 – 1080 mm	2013 mm	1196 mm	
52215-1392	EVO SDR EW10 – 2013	right	EW 10°	985 – 1080 mm	2013 mm	1074 mm	
52215-2741	EVO SDR EW10 – 2150 / 2250			1036 – 1200 mm	2150 / 2250 mm	1284 mm	
52215-2743	EVO SDR EW10 – 2350 / 2450			1156 – 1300 mm	2340 / 2450 mm	1423 mm	
52215-1821	EVO SDR EW15 – 2013		EW 15°	985 – 1080 mm	2013 mm	1196 mm	

*Module width depending on the selected system variant



SIDE COVER SOUTH

In certain situations, the use of side covers can have a ballast-reducing effect. This is calculated individually for each planning.

Fixation with:
4 x screw M8 x 16 – per side panel, Art.-No. 52215-1599

Art.-no.	Brief description	Page	System & Inclination	Module width*	Length sheet metal	VPE
52215-1607	EVO SDL S10	left	S 10°	985 – 1068 mm	1250 mm	50
52215-3049	EVO SDL S10 Type 1			1036 – 1150 mm	1331 mm	100
52215-3048	EVO SDL S10 Type 2			1106 – 1220 mm	1398 mm	80
52215-2786	EVO SDL S10 Type 3			1176 – 1300 mm	1478 mm	
52215-1723	EVO SDL S15		S 15°	985 – 1068 mm	1235 mm	50
52215-1393	EVO SDR S10	right	S 10°	985 – 1068 mm	1250 mm	
52215-2787	EVO SDR S10 Type 1			1036 – 1150 mm	1331 mm	100
52215-2785	EVO SDR S10 Type 2			1106 – 1220 mm	1398 mm	
52215-2784	EVO SDR S10 Type 3			1176 – 1300 mm	1478 mm	
52215-1724	EVO SDR S15		S 15°	985 – 1068 mm	1235 mm	

*Module width depending on the selected system variant

DISTANCE GAUGE

The universal distance gauge is used to easily and quickly align the distances between the main base profiles on the roof.

Art.-No.	Brief description	Module length	VPE
52215-3014	EVO AL univ.	1570 – 2450 mm	19

CABLE TIE WITH EDGE CLIP

The cable ties with edge clips guarantee orderly string guidance along the system and prevent damage caused by moving or loose cables.

Art.-No.	Brief description	Size	Description	min. Tensile strength	Bundle Diameter	VPE
52215-1279	Cable Ties with edge clip Type 3	198 x 3.6 mm	with edge clip 0.5 – 2.5 mm Cable routing above along the fixation point; fixation to the tower	135 N	4 – 45 mm	500

SPECIAL SYSTEM – MULTI-MONTI

The concrete ballast is carried out under the substructure and is anchored in the main base profiles by means of multi-monti screws. This increases the system itself.

The main base profiles for this system solution do not require building protection mats. A corresponding bore for ballast fixing is already present. The total system can be increased by max. 25 cm.

Please contact us before starting any planning.

Art.-No.	Brief description	Main Base Profile	Length	Module width*	VPE
52215-1893	EVO 2.0 HBPBB Type 1467	S with ballast hole	1467 mm	985 – 1068 mm	120
52215-3045	EVO 2.0 HBPBB S Type 1618		1618 mm	985 – 1150 mm	
52215-3039	EVO 2.0 HBPBB Type 1768		1768 mm	1106 – 1300 mm	
52215-1639	EVO 2.0 HBPBB Type 2013	EW with ballast hole	2013 mm	985 – 1080 mm	
52215-2763	EVO 2.0 HBPBB Type 2150		2150 mm	1036 – 1150 mm	
52215-2764	EVO 2.0 HBPBB Type 2250		2250 mm	1106 – 1200 mm	
52215-2765	EVO 2.0 HBPBB Type 2350		2350 mm	1156 – 1250 mm	
52215-2766	EVO 2.0 HBPBB Type 2450		2450 mm	1206 – 1300 mm	
52215-1693	EVO V1BP Type 127	Connector without protective mat	127 mm		84
52215-1588	EVO V2BP Type 267		267 mm		44
52215-1638	EVO V3BP Type 367		367 mm		28
52215-2197	EVO V4BP Type 567		567 mm		66
52215-1585	EVO 2.0 AEBP blank Type 75	Base profile edge	75 mm		150

*Module width depending on the selected system variant

PMT EVO 2.0

SIMPLE ASSEMBLY, CERTIFIED SAFETY AND HIGH QUALITY STANDARDS FOR YOUR FLAT ROOF PROJECTS.

PMT

FAST INSTALLATION

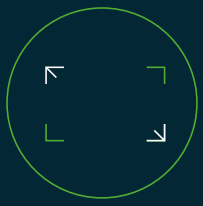
Per module and per installer:on average, only about ten minutes are needed for assembly. The PV mounting system can be easily and securely installed thanks to secure click connections.

LIGHTNING CURRENT CARRYING CAPACITY

Our flat roof systems are inherently lightning-current-carrying and can thus be integrated into the lightning protection concept of the building.
The lightning current carrying capacity was demonstrated in accordance with DIN EN 62561 (VDE 0185-561-1):2013-02.

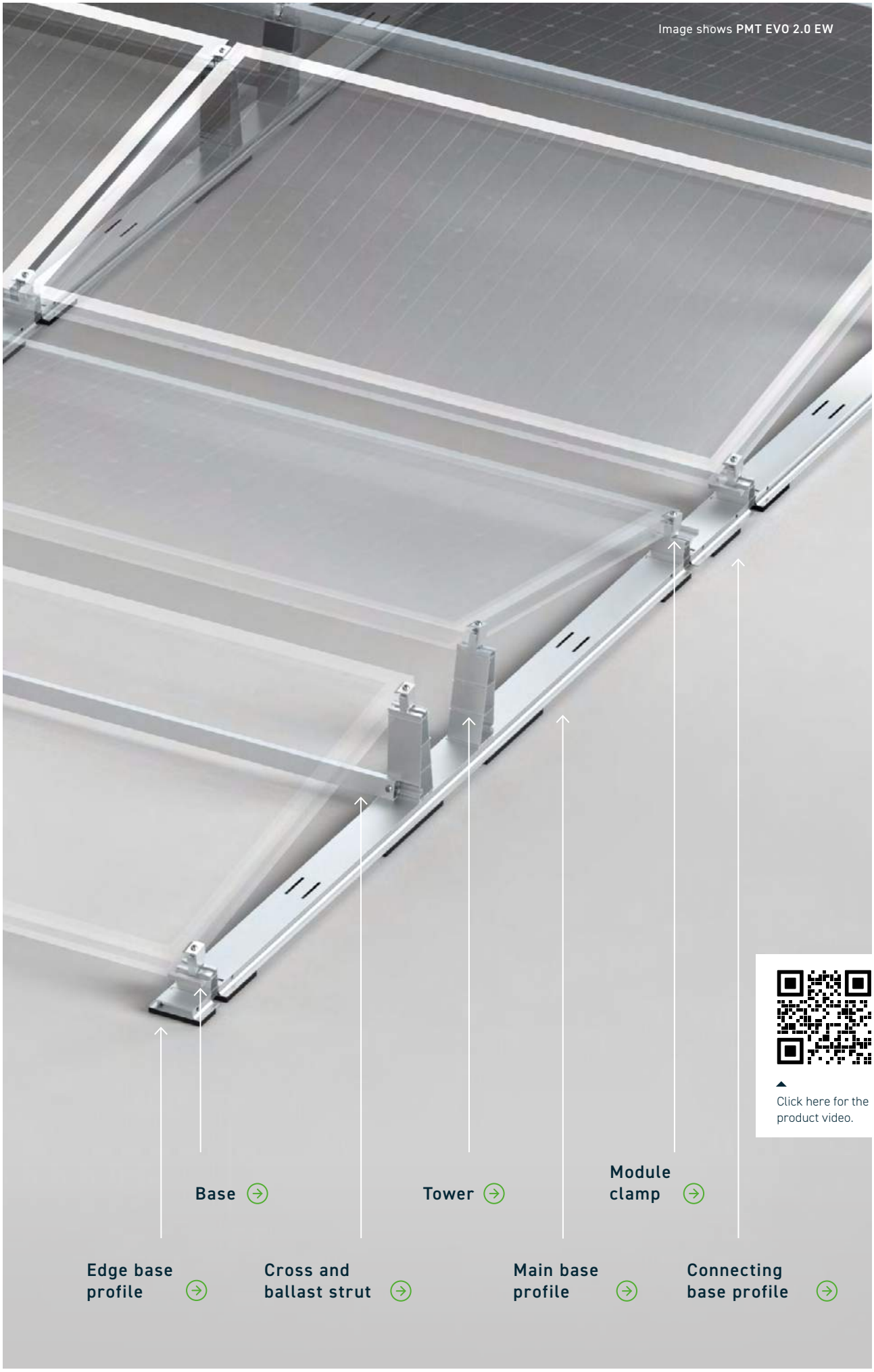
SAFETY FIRST

We have received the general building approval with approval number Z-14.4-790 for our aerodynamic flat roof system PMT Evolution and the further development PMT EVO 2.0. We regularly test and verify our system in the context of wind tunnel tests, experimental component tests and on the basis of the latest DIN standards.



VARIABLE DIMENSIONS POSSIBLE

Basically, our photovoltaic fixtures are suitable for all common framed modules on the market. PMT EVO 2.0 covers module widths from 980 to 1300 mm and module lengths from 1550 to 2400 mm.



Click here for the product video.

MAIN BASE PROFILE

The main base profiles form the basis for the system on the roof covering and at the same time serve as fastening points for the base and tower. The corresponding recesses are produced using state-of-the-art laser technology.

The main base profiles are supplied including fixed high-tech protective mats. The number of glued protective mats varies depending on the length of the rail and the quality of the roof.

Main base profiles – East-West

There are 3 types of application per main base profile. Their use is dependent on insulation.

Standard application

Contact area: 0.099 m²

Contact area: 100 %

Partial surface application

Contact area: 0.156 m²

Contact area compared to standard application: 157 %

Full application

Contact area: 0.205 m²

Contact area compared to standard application: 207 %

Exemplary representation of the application on the **main base profile 2013 mm**

MAIN BASE PROFILES EAST-WEST

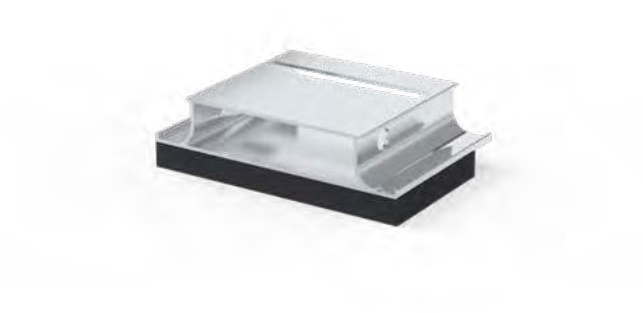
Art.-no.	Brief description	System	System variant & module width*	Length of main base profile	Type of application	VPE
52215-1767-01	EVO 2.0 HBP Type 2013	East-West 10° & 15°	Eco: 1036 – 1080 mm Comfort: 985 – 1035 mm	2013 mm	Standard	80
52215-1770-02	EVO 2.0 HBP Type 2013 – Partial area				Partial area	
52215-1768-02	EVO 2.0 HBP Type 2013 – Full area				Full area	
52215-2119-01	EVO 2.0 HBP Type 2150	East-West 10°	Eco: 1106 – 1150 mm Comfort: 1036 – 1105 mm	2150 mm	Standard	
52215-2638-01	EVO 2.0 HBP Type 2150 – Partial area				Partial area	
52215-2641-01	EVO 2.0 HBP Type 2150 – Full area				Full area	
52215-2576	EVO 2.0 HBP Type 2250		Eco: 1156 – 1200 mm Comfort: 1106 – 1155 mm	2250 mm	Standard	
52215-2644	EVO 2.0 HBP Type 2250 – Partial area				Partial area	
52215-2645	EVO 2.0 HBP Type 2250 – Full area				Full area	
52215-2745	EVO 2.0 HBP Type 2350		Eco: 1206 – 1250 mm Comfort: 1156 – 1205 mm	2350 mm	Standard	
52215-2746	EVO 2.0 HBP Type 2350 – Partial area				Partial area	
52215-2747	EVO 2.0 HBP Type 2350 – Full area				Full area	
52215-2748	EVO 2.0 HBP type 2450		Eco: 1256 – 1300 mm Comfort: 1206 – 1255 mm	2450 mm	Standard	
52215-2749	EVO 2.0 HBP Type 2450 – Partial area				Partial area	
52215-2750	EVO 2.0 HBP Type 2450 – Full area				Full area	

*Module width depending on the selected system variant

MAIN BASE PROFILES SOUTH

Art.-no.	Brief description	System	System variant & module width*	Length of main base profile	Type of application	VPE
52215-1757	EVO 2.0 HBP Type 1467	South 10° & 15°	Comfort: 985 – 1068 mm	1467 mm	Standard	80
52215-1760	EVO 2.0 HBP Type 1467 – Partial area				Partial area	
52215-1758	EVO 2.0 HBP Type 1467 – Full area				Full area	
52215-3042	EVO 2.0 HBP Type 1618		Eco-10°: 1036 – 1150 mm Comfort-10°: 985 – 1105 mm Comfort-15°: 985 – 1068 mm	1618 mm	Standard	
52215-3043	EVO 2.0 HBP Type 1618 – Partial area				Partial area	
52215-3044	EVO 2.0 HBP Type 1618 – Full area				Full area	
52215-3036	EVO 2.0 HBP Type 1768	South 10°	Eco: 1176 – 1300 mm Comfort: 1106 – 1245 mm	1768 mm	Standard	
52215-3037	EVO 2.0 HBP Type 1768 – Partial area				Partial area	
52215-3038	EVO 2.0 HBP Type 1768 – Full area				Full area	

*Module width depending on the selected system variant



EDGE BASE PROFILE

The edge base profile for the south and east-west system is clicked into the base at the edge of the module field and forms the end of the system network.

The base profile is covered with a high-tech protective mat.

Art.-No.	Brief description	Length	VPE
52215-1374	EVO 2.0 AEBP Type 75	75 mm	150

CONNECTING BASE PROFILE EAST-WEST

The connecting base profile serves to connect the system strands between one base and the next base. The length selection is determined by the selected row spacing.

The base profile is covered with a high-tech protective mat.

Art.-No.	Brief description	Description	Length	VPE
52215-1434	EVO 2.0 V1BP Type 127	Eco / Comfort* – 60 mm service aisle	127 mm	84
52215-1377	EVO 2.0 V2BP Type 267	Super-Comfort* – 200 mm service aisle	267 mm	44
52215-1378	EVO 2.0 V3BP Type 367	Super-Comfort* – 300 mm service aisle	367 mm	28
52215-1595	EVO 2.0 V4BP Type 567	Super-Comfort* – 500 mm service aisle	567 mm	66

*The distance between the upright rows depends on the module widths and the base used (B10 M6/B10).

60 mm service aisle – Module spacing of 18/57 mm
200 mm service aisle – Module spacing of 158/197 mm
300 mm service aisle – Module spacing of 258/297 mm
500 mm service aisle – Module spacing of 458/497 mm

RIDGE CONNECTOR IN RAIL DIRECTION

The ridge connector of the main base profiles is used to connect the system via the ridge. The assembly is carried out by clicking into the base on the respective ridge side. In general, the use of the ridge connector or alternative safety systems is recommended for inclination changes over a high point.

Fixation with:
4 x screw M8 x 16, Art.-No. 52215-1654

Art.-no.	Brief description	Description	Length	VPE
52215-1596-01	EVO 2.0 FV Type 467	Ridge connector base profile	467 mm	144

CABLE TRAY BASE PROFILE

With the help of the tray connection, cable trays can be integrated along the system to ensure optimal cable management. The installation takes place as an extension of the system by clicking into the base in the rail direction.

Fixation with:
1 x screw M8 x 16, Art.-No. 52215-1599

Art.-No.	Brief description	Description	Length	VPE
52215-2145	EVO 2.0 TRA Type 330	Support for tray	330 mm	1
52215-2146	EVO 2.0 TRA Type 630		630 mm	
52215-2147	EVO 2.0 TRA Type 930		930 mm	
52215-2149	EVO 2.0 TRA Type 246	Support tray free	246 mm	

CABLE DUCT COVER

The cable duct cover is at the same time a cover and a holder for the cables which are guided along the main base profiles.
They protect the string lines from environmental influences such as UV radiation. The cable duct covers are affixed to the east-west and south systems with a simple click mechanism.

Art.-No.	Brief description	Description	Compatible with	VPE
52215-2228	EVO 2.0 KD Type 190	Cable duct cover 190 mm	Connector base profile – length 127 mm	90
52215-2229	EVO 2.0 KD Type 330	Cable duct cover 330 mm	Connector base profile – length 267 mm	
52215-2230	EVO 2.0 KD Type 430	Cable duct cover 430 mm	Connector base profile – length 367 mm	
52215-2231	EVO 2.0 KD Type 630	Cable duct cover 630 mm	Base profile – length 1467 mm	
52215-2611	EVO 2.0 KD Type 630 – Tower	Cable duct cover Tower 630 mm	Base profile – length 2013 / 2150 / 2250 / 2350 / 2450 mm	
52215-2602	EVO 2.0 KD Type 800	Cable duct cover 800 mm	Base profile – length 1618 mm	

BALLAST TUB

The ballast tub is placed on the main base profile.
There are ballast tubs for already existing substrate or gravel beds, as well as trays for roofs that have not yet been gravelled.
The material is UV-resistant. The filling height is max. 70 mm.

Fixation with:
6 x thin plate screw 48 x 19 E29, Art.no. 52215-0656

Art.-No.	Brief description	Description	VPE
52215-1652	EVO 2.0 BW V01 Type 70	Ballast tub inventory – existing gravel or substrate fill – double	75
52215-2619	EVO 2.0 BW V01 Type 70 – Split tub	Ballast tub inventory – existing gravel or substrate fill – single	
52215-1653	EVO 2.0 BW V02 Type 70	Ballast tub new construction – for roofs not yet gravelled – double	
52215-2618	EVO 2.0 BW V02 Type 70 – Split tub	Ballast tub new construction – for roofs not yet gravelled – single	100

PMT EVO 2.1

THE UPGRADE OF OUR PROVEN SYSTEM
FOR YOUR FLAT ROOF PROJECTS.

PMT

FAST INSTALLATION

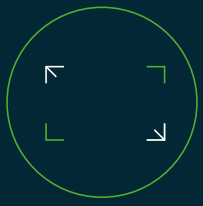
Per module and per installer:on average, only about ten minutes are needed for assembly. The PV mounting system can be easily and securely installed thanks to secure click connections.

LIGHTNING CURRENT CARRYING CAPACITY

Our flat roof systems are inherently lightning-current-carrying and can thus be integrated into the lightning protection concept of the building.
The lightning current carrying capacity was demonstrated in accordance with DIN EN 62561 (VDE 0185-561-1):2013-02.

SAFETY FIRST

We have received general building approval with approval number Z-14.4-790 for our aerodynamic flat roof system PMT Evolution and the further development PMT EVO 2.1. We regularly test and verify our system in the context of wind tunnel tests, experimental component tests and on the basis of the latest DIN standards.



VARIABLE DIMENSIONS POSSIBLE

Basically, our photovoltaic fixtures are suitable for all common framed modules on the market. PMT EVO 2.1 covers module widths from 985 to 1300 mm and module lengths from 1550 to 2407 mm.

Click here for the product video.

MAIN BASE PROFILE

The main base profiles form the basis for the system on the roof covering and at the same time serve as fastening points for the base, tower and rear wall tower. The corresponding recesses are produced using state-of-the-art laser technology.

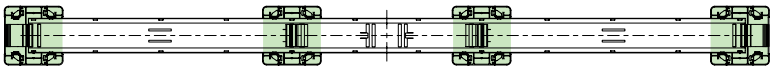
The main base profiles are clicked with the ProPlates.
The number and placement of the ProPlates can be found in the occupancy plans and the planning documents.

Example:
Main Base Profile – East-West

By default, there are 3 types of clicking per main base profile. Their use is dependent on insulation. The LITE variant was not taken into account.

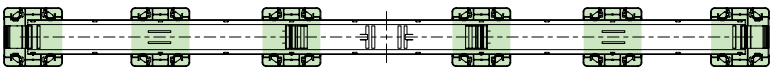
Default Click

Contact area: 0.137 m²
Contact area: 100 %



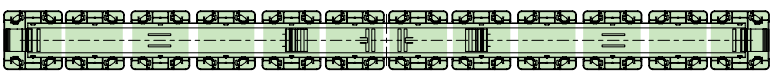
Partial area click

Contact area: 0.205 m²
Contact area compared to standard click: 150 %



Full click

Contact area: 0.343 m²
Contact area compared to standard click: 250 %



MAIN BASE PROFILES EAST-WEST

Art.-No.	Brief description	System	System variant & module width*	Length of main base profile	VPE
52215-3759 NEW	EVO 2.1 HBP Type 2043	East-West 10° & 15°	Eco: 1036 – 1080 mm Comfort: 985 – 1035 mm	2043 mm	80
52215-3760 NEW	EVO 2.1 HBP Type 2180	East-West 10°	Eco: 1106 – 1150 mm Comfort: 1036 – 1105 mm	2180 mm	
52215-3761 NEW	EVO 2.1 HBP Type 2280		Eco: 1156 – 1200 mm Comfort: 1106 – 1155 mm	2280 mm	
52215-3762 NEW	EVO 2.1 HBP Type 2380		Eco: 1206 – 1250 mm Comfort: 1156 – 1205 mm	2380 mm	
52215-3763 NEW	EVO 2.1 HBP Type 2480		Eco: 1256 – 1300 mm Comfort: 1206 – 1255 mm	2480 mm	

*Module width depending on the selected system variant

MAIN BASE PROFILES SOUTH

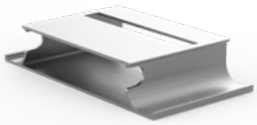
Art.-no.	Brief description	System	System variant & module width*	Length of main base profile	VPE
52215-3771 NEW	EVO 2.1 HBP Type 1482	South 10° & 15°	Comfort: 985 – 1068 mm	1482 mm	80
52215-3772 NEW	EVO 2.1 HBP Type 1632		Eco-10°: 1036 – 1150 mm Comfort-10°: 985 – 1105 mm Comfort-15°: 985 – 1068 mm	1632 mm	
52215-3773 NEW	EVO 2.1 HBP Type 1782	South 10°	Eco: 1176 – 1300 mm Comfort: 1106 – 1245 mm	1782 mm	

*Module width depending on the selected system variant

PROPLATE & PROPLATE GRAVEL

By introducing the ProPlates, a larger support surface for the system is achieved and the safety and stability of our PV substructures on the roofs is further improved.

Art.-No.	Brief description	Description	VPE
52215-3649 NEW	ProPlate	ProPlate 195 x 195 mm, black	72
52215-4515 NEW	ProPlate Gravel	ProPlate 2.1 Gravel 195 x 195 mm, grey	66



EDGE BASE PROFILE

The edge base profile for the south and east-west system is clicked into the base at the edge of the module field and forms the end of the system network.

Art.-No.	Brief description	Length	VPE
52215-3741 NEW	EVO 2.1 AEBP Type 61	61 mm	264

CONNECTING BASE PROFILE EAST-WEST

The connecting base profile serves to connect the system strands between one base and the next base. The length selection is determined by the selected row spacing.

Art.-No.	Brief description	Description	Length	VPE
52215-1693	EVO V1BP Type 127	Eco / Comfort* – 60 mm service aisle	127 mm	84
52215-1588	EVO V2BP Type 267	Super-Comfort* – 200 mm service aisle	267 mm	44
52215-1638	EVO V3BP Type 367	Super-Comfort* – 300 mm service aisle	367 mm	28
52215-2197	EVO V4BP Type 567	Super-Comfort* – 500 mm service aisle	567 mm	66

*The distance between the upright rows depends on the module widths and the base used (B10 M6/B10).

60 mm service aisle – module spacing of 18/57 mm
200 mm service aisle – module spacing of 158/197 mm

MOUNTING TEMPLATE CLICK GUIDE

The Click Guide serves as an assembly aid for easier clicking of the main base profiles. The mounting template clearly shows the correct placement of the ProPlates as well as the ProPlates Gravel on the main base profiles - no matter which click variant is involved.

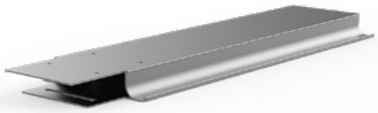
Art.-No.	Brief description	Description	VPE
52215-4476 NEW	EVO 2.1 Click Guide HBP 2043	Click Guide 2.1 – Template HBP 2043 mm	2
52215-4479 NEW	EVO 2.1 Click Guide HBP 2180	Click Guide 2.1 – Template HBP 2180 mm	
52215-4478 NEW	EVO 2.1 Click Guide HBP 2280	Click Guide 2.1 – Template HBP 2280 mm	
52215-4480 NEW	EVO 2.1 Click Guide HBP 2380	Click Guide 2.1 – Template HBP 2380 mm	
52215-4481 NEW	EVO 2.1 Click Guide HBP 2480	Click Guide 2.1 – Template HBP 2480 mm	
52215-4474 NEW	EVO 2.1 Click Guide HBP 1482	Click Guide 2.1 – Template HBP 1482 mm	
52215-4477 NEW	EVO 2.1 Click Guide HBP 1632	Click Guide 2.1 – Template HBP 1632 mm	
52215-4475 NEW	EVO 2.1 Click Guide HBP 1782	Click Guide 2.1 – Template HBP 1782 mm	

RIDGE CONNECTOR IN RAIL DIRECTION

The ridge connector of the main base profiles is used to connect the system via the ridge. The assembly is carried out by clicking into the base on the respective ridge side. In general, the use of the ridge connector or alternative safety systems is recommended for inclination changes over a high point.

Fixation with:
4 x screw M8 x 16, Art.-No. 52215-1654

Art.-No.	Brief description	Description	Length	VPE
52215-3987 NEW	EVO 2.1 FV Type 547	Ridge connector base profile 2.1, l = 547 mm	547 mm	144



CABLE TRAY BASE PROFILE

With the help of the tray connection, cable trays can be integrated along the system to ensure optimal cable management. The installation takes place as an extension of the system by clicking into the base in the rail direction.

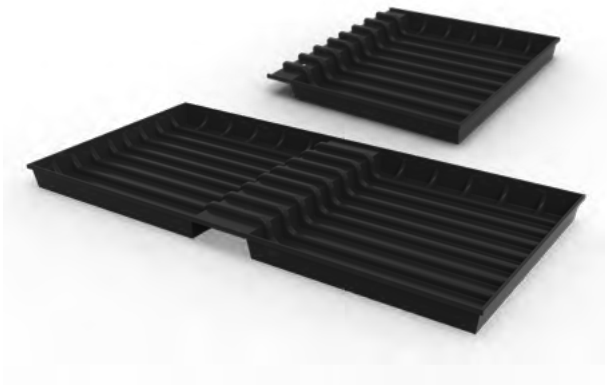
Fixation with:
1 x screw M8 x 16, Art.-No. 52215-1599

Art.-No.	Brief description	Description	Length	VPE
52215-4130 NEW	EVO 2.1 TRA T Type 400	Cable tray base profile 2.1 Tower, l = 400 mm	400 mm	144
52215-4131 NEW	EVO 2.1 TRA T Type 700	Cable tray base profile 2.1 Tower, l = 700 mm	700 mm	72
52215-4132 NEW	EVO 2.1 TRA T Type 1000	Cable tray base profile 2.1 Tower, l = 1000 mm	1000 mm	
52215-4133 NEW	EVO 2.1 TRA B Type 400	Cable tray base profile 2.1 Base, l = 400 mm	400 mm	144
52215-4134 NEW	EVO 2.1 TRA B Type 700	Cable tray base profile 2.1 Base, l = 700 mm	700 mm	72
52215-4135 NEW	EVO 2.1 TRA B Type 1000	Cable tray base profile 2.1 Base, l = 1000 mm	1000 mm	
52215-4136 NEW	EVO 2.1 TRA Type 195	Cable tray base profile 2.1, l = 195 mm	195 mm	86
52215-4137 NEW	EVO 2.1 TRA Type 400	Cable tray base profile 2.1 Base, l = 400 mm	400 mm	144

CABLE DUCT COVER

The cable duct cover is at the same time a cover and a holder for the cables which are guided along the main base profiles.
They protect the string lines from environmental influences such as UV radiation. The cable duct covers are affixed to the east-west and south systems with a simple click mechanism.

Art.-No.	Brief description	Description	Compatible with	VPE
52215-4327 NEW	EVO 2.1 KD Type 160	Cable duct cover 2.1, l = 160 mm, VBP 127 mm	Connector base profile – length 127 mm	90
52215-4398 NEW	EVO 2.1 KD Type 280	Cable duct cover 2.1, l = 280 mm, VBP 267 mm / FV 547 mm	Connector base profile – length 267 mm	
52215-4399 NEW	EVO 2.1 KD Type 400	Cable duct cover 2.1, l = 400 mm, VBP 367 mm	Connector base profile – length 367 mm	
52215-4402 NEW	EVO 2.1 KD Type 600	Cable duct cover 2.1, l = 600 mm, HBP EW/S-1467 mm	Base profile – length 1467 mm	
52215-4401 NEW	EVO 2.1 KD Type 785	Cable duct cover 2.1, l = 785 mm, HBP 1618 mm	Base profile – length 2013 / 2150 / 2250 / 2350 / 2450 mm	

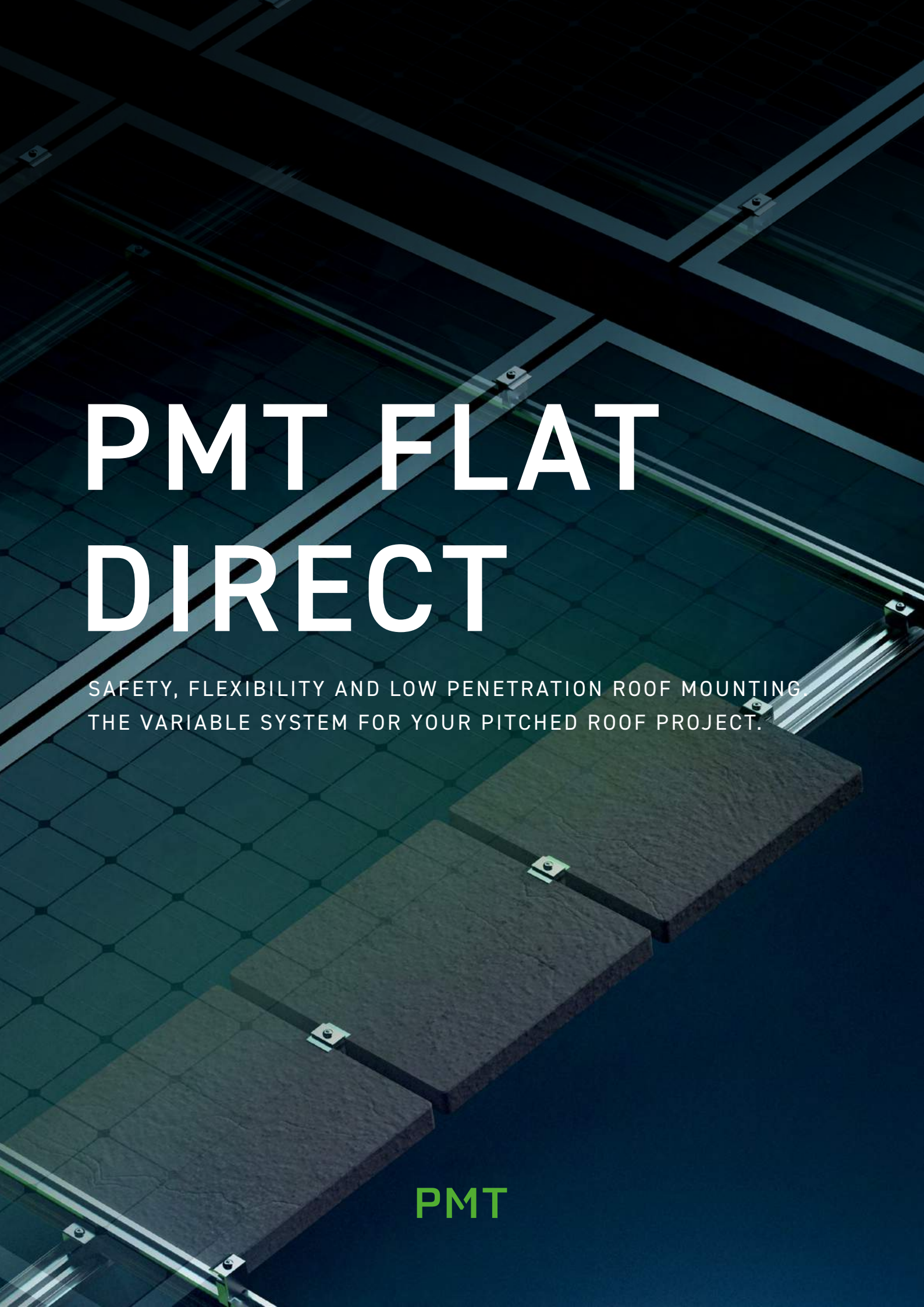


BALLAST TUB

The ballast tub is placed on the main base profile.
There are ballast tubs for already existing substrate or gravel beds, as well as tubs for roofs that have not yet been gravelled.
The material is UV-resistant. The filling height is max. 70mm.

Fixation with:
3 Thin sheet screws 48 x 19 E29, Art.no. 52215-0656

Art.-No.	Brief description	Description	VPE
52215-4461	EVO 2.1 BW V01 Type 70, double	Ballast tub 2.1 – existing bed, h = 70 mm, double	75
52215-4462	EVO 2.1 BW V01 Type 70, single	Ballast tub 2.1 – existing bed, h = 70 mm, single	150
52215-4465	EVO 2.1 BW V02 Type 70, double	Ballast tub 2.1 – without bulk, h = 70 mm, double	75
52215-4466	EVO 2.1 BW V02 Type 70, single	Ballast tub 2.1 – existing bed, h = 70 mm, single	150



PMT FLAT DIRECT

SAFETY, FLEXIBILITY AND LOW PENETRATION ROOF MOUNTING.
THE VARIABLE SYSTEM FOR YOUR PITCHED ROOF PROJECT.

PMT

ALWAYS OPERATIONAL

The PV mounting system can be installed with low penetration. This makes it suitable for roof segments such as saddle, console, shed, barrel and butterfly roofs. In addition, it has proven itself for the roofing materials foil, sandwich panels and bitumen.

OPTIMAL INSTALLATION

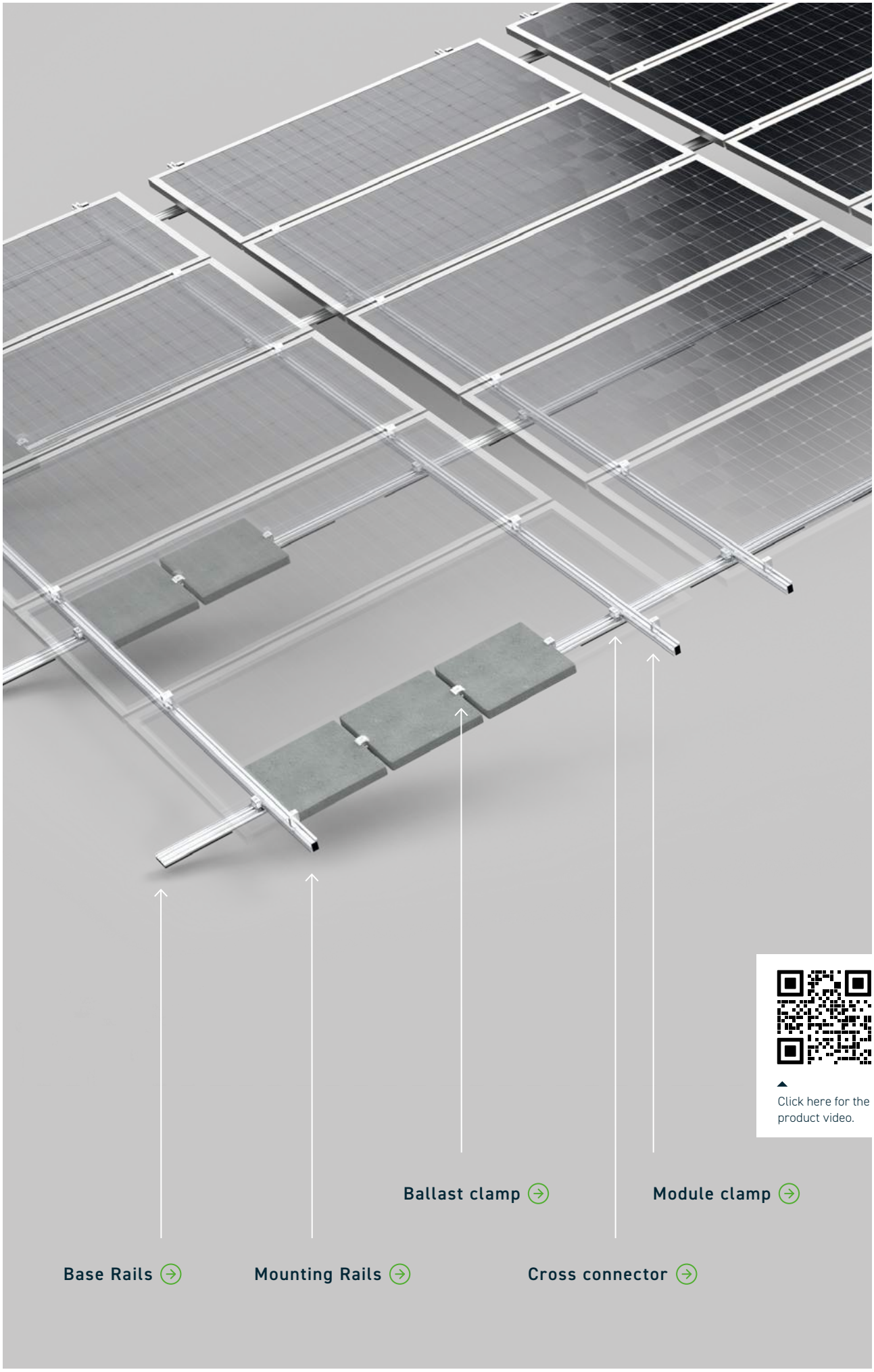
The base rail is continuous and offers an optimal support surface.

INDEPENDENT FIXATION

The universal fixation covers clamping ranges from 30 to 50 mm. This allows for variable deployment and speeds up planning.

INTEGRATED CABLE MANAGEMENT

Thanks to an integrated cover, the cables disappear immediately after installation. This also facilitates the routing of the cables and prevents disturbances during installation.



Click here for the product video.

BASE RAILS

The base rails form the basis of the sloping roof system PMT FLAT DIRECT and are covered with high-tech protective mats.

Standard bonding and full-surface bonding are available for particularly high demands such as soft roof insulation. The latter are available on request.

Art.-No.	Brief description	Length	Type of application	VPE
52215-0309	FD VBS Type 1830	1830mm	Standard	50
52215-1180	FD VBS Type 1830		Full area	
52215-0633	FD VBS Type 2785	2785 mm	Standard	
52215-1181	FD VBS Type 2785		Full area	
52215-0310	FD VBS Type 3660	3660 mm	Standard	
52215-1004	FD VBS Type 3660		Full area	

BASE RAIL CONNECTORS

The base rail connector is inserted into the base rails and fixed with the four pre-assembled grub screws.

Art.-No.	Brief description	Description	Length	VPE
52215-1465	FD BSV Type 390	4 grub screws, pre-assembled	390 mm	40

RIDGE CONNECTORS

When the ridge is built over, the ridge connector is used for system coupling by connecting the base rails on both sides of the roof. The base rail connector is inserted into the base rails and fixed with the four pre-assembled grub screws.

For optimal adaptation to the inclination of the roof, we recommend the turning pliers, Art.-No. 52215-0562.

Art.-No.	Brief description	Description	Length	VPE
52215-1467	FD FV type 750	6 setscrews, pre-assembled	750 mm	48

MOUNTING RAILS

The mounting rail forms the upper module support profile of the PMT FLAT DIRECT system. It is connected to the underlying base rail by crossbar connectors.

Art.-No.	Brief description	Description	Length	VPE
52215-3260	FD MS 47 l=3300	Mounting rail 47, l=3300 mm	3300 mm	105
52215-4220 NEW	FD MS 47 l=4405	Mounting rail 47, l=4405 mm	4405 mm	

MOUNTING RAIL CONNECTOR

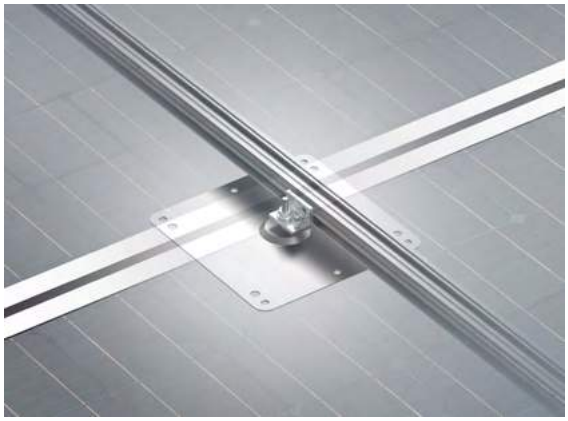
The mounting rail connector connects the mounting rail strands to one another and keeps the system stable.

Art.-No.	Brief description	Description	Length	VPE
52215-0320	FD MSV 47 l=195	Inner connector mounting rail 47, l = 195 mm	195 mm	10

CROSS CONNECTOR

The cross connector connects the mounting rails to the floor rails at a 90°angle. The connector is clicked onto the base rails and fastened to the mounting rails via the lateral receiving channel.

Art.-No.	Brief description	Description	Length	VPE
52215-0322	FD KV type 35	Cross rail connector pre-assembled, l = 35mm	35 mm	20



MOUNTING FOOT CONNECTION

The mounting foot is fastened into the roof substructure with precisely fitting screws. The listed components are used to connect the mounting base to the PMT FLAT DIRECT system.

The different versions of the mounting feet can be found under Cross-System Components.

MOUNTING RAIL FOR MOUNTING FOOT CONNECTION

Art.-No.	Brief description	Description	Length	Connection to mounting base	VPE
52215-1752	FD FA Type 3300	Rail 40 Mounting foot connection, l=3300 mm	3300 mm	by means of an bracket of 60 mm	100
52215-4691	FD FA Typ 1650	Rail 40 Mounting foot connection, l=1650 mm	1650 mm	by means of an bracket of 60 mm	90

ANGLE BRACKET 40 & 60

The angle bracket 60 is used for fastening the mounting foot to the additional mounting rail and the base rail. Instead of the cross connector, the angle bracket 40 connects the floor and mounting rail during installation on sandwich panels.

Art.-No.	Brief description	Description	Combining	Pre-assembled accessories	VPE
52215-0877	FD W40 M8	Angle bracket 40mm, M8 mount	Mounting rail on base rail	Hammerhead screw M8 x 20 **Art.-No. 52215-0445** Locking tooth nut M8 **Art.-No. 52215-0564**	20
52215-1235	Bracket 60 mm, M12 complete	Angle bracket 60 mm, M12 mount	Mounting Rails on base rail Mounting Rails on mounting foot	Hammerhead screw M8 x 25 **Art.-No. 52215-1742** Locking tooth nut M8 **Art.-No. 52215-0564**	

CABLE DUCT COVER

The cable duct cover protects the string lines from environmental influences such as UV radiation. The cover is placed on the base rail between the modules and locked with an audible click.

Art.-No.	Brief description	Description	Length	VPE
52215-0560	FD KD Type 385	Cable duct cover rail, l = 385 mm	385 mm	28

PE FOAM RG 40 BLACK

The PE foam RG 40 black is self-adhesive on one side.
It has no anti-slip coating. It is used when shortening the base rails as additional protection for the roof skin.

Art.-No.	Brief description	Description	Size	VPE
52215-0269	Strip L x W x H 275 x 75 x 11 mm	single-sided self-adhesive use when shortening the base rails as building protection at the end of the rail	L x W x H = 275 x 75 x 11 mm	100

CABLE TIE WITH EDGE CLIP

The cable ties with edge clips guarantee orderly string guidance along the system and prevent damage caused by moving or loose cables.

Art.-no.	Brief description	Size	Description	min. Tensile strength	Bundle Diameter	VPE
52215-1088	Cable ties with edge clip 0.7 – 3.0	200 x 4.8 mm	with edge clip 0.7 – 3.0 mm Cable routing laterally along the fixation point	220 N	1 – 45 mm	500

BENDING TONG

The bending tong make it possible to bend the ridge connector to the desired angle with little force. This makes exact adjustment to the roof possible.

Art.-No.	Brief description	Description	Length	VPE
52215-0562	FD REZ	Turning the ridge connector of the base rail to the desired angle	800 mm	1

CROSS-SYSTEM COMPONENTS

UNIVERSAL COMPONENTS THAT CAN BE INSTALLED SYSTEM-INDEPENDENTLY WITH PMT PRODUCTS.

PMT

MODULE AND BALLAST CLAMPS

The clamps act both as a module fixation on base and tower as well as for securing the ballast blocks on the main base profile or the base rail. A corresponding distinction is made here in the project report.

Use at frame heights of 30 - 50 mm. The items marked with * are used to fix the ballast. The distinction is only made in the project report.

MID CLAMP

Art.-No.	Brief description	Description	Length	VPE
52215-0132 *52215-1428**	MK Type 40 *BMK Type 40**	Alu, Use as module terminal & ballast terminal	40 mm	40
52215-0647	MK Type 40 – black	Anodised in black, Use as a module terminal		
52215-1825	MK Type 40 incl. grounding plate	Alu incl. grounding plate, Use as a module terminal		
52215-0006	MK Type 80	Alu, Use as module terminal & ballast terminal	80 mm	

END CLAMP

Art.-No.	Brief description	Description	Length	VPE
52215-0133 *52215-1427**	EK Type 35 *BEK Type 35**	Alu, Use as module terminal & ballast terminal	35 mm	10
52215-0648	EK Type 35 – black	Anodised in black, Use as a module terminal		
52215-0007	EK Type 80	Alu, Use as module terminal & ballast terminal	80 mm	

GROUNDING SHEET

This grounding sheet can be retrofitted to ensure safe grounding.

Art.-No.	Brief description	Description	VPE
52215-1188	Grounding sheet for MK 40	Stainless steel for subsequent attachment to the mid clamp	40

MOUNTING FOOT & CUFF

With the mounting foot, the system is additionally secured against slipping on the roof. The exact item configuration depends on the specific roofing. Please note that you must define the screws for fastening the mounting foot in the roof substructure based on the insulation thickness and the roof substructure and order them separately.

Art.-No.	Brief description	Description	Dimensions	VPE
52215-1267	Mounting foot with bitumen primer	Mounting foot with bitumen primer, 300 x 300 mm	30 x 30 cm	1
52215-2333	Bitumen cuff	Bitumen cuff, 500 x 500 mm	50 x 50 cm	
52215-1270	Mounting foot with PVC coating	Mounting foot with PVC coating, 300 x 300 mm	30 x 30 cm	
52215-1271	Cuff PVC	Cuff PVC, 500 x 500 mm	50 x 50 cm	
52215-1272	Mounting foot stainless steel	Mounting foot A2, 300 x 300 mm, degreased and roughened	30 x 30 cm	
52215-1623	Cuff Polyester fleece	Cuff Polyester Fleece, 450 x 450 mm	45 x 45 cm	

ACCESSORIES MOUNTING FOOT

The cuffs or various liquid plastics can be used to seal the mounting foot with the roof skin. The selection is based on the specific roofing.

Art.-No.	Brief description	Description	VPE
52215-1624	QuiTex DA, 5.5 kg	QuiTex DA, 5.5 kg, container	1
52215-1627	Roof membrane and tool cleaner 1 l container	Roof membrane and tool cleaner, 1 l	
52215-1932	Wash primer 0.2 kg container – for PVC films / metal	Wash primer, 0.2 kg, for PVC films / metal	
52215-2125	QuiTex Primer 0.2 kg container – for FPO / TPO	QuiTex Primer, 0.2 kg, for FPO / TPO	

FIXATION SCREW FOR MOUNTING FOOT

The selection of the screw is based on the nature of the insulation and the roof structure. Each mounting foot is fastened with six screws. Further screw lengths are available on request.

Art.-no.	Brief description	Type of roof substructure	Length	Insulation thickness	VPE
52215-2137	MF-S Type 150 mm	Trapezoid	150 mm	70 – 120 mm	100
52215-1273	MF-S Type 200 mm		200 mm	121 – 170 mm	
52215-2139	MF-S Type 255 mm		255 mm	171 – 200 mm	
52215-2494	MF-S Type 178 mm	Concrete (min. 100 mm thick)	178 mm	85 – 110 mm	
52215-2495	MF-S Type 203 mm		203 mm	110 – 135 mm	
52215-2497	MF-S Type 255 mm		255 mm	165 – 190 mm	
52215-2498	MF-S Type 280 mm		280 mm	190 – 215 mm	

SCREWS

Art.-No.	Figure	Brief description	Description	Scope of application	VPE
52215-1339	1	Screw M6 x 16 ISO 4762	Screw M6 x 16 ISO 4762	Fixation of the carrier plate irradiation sensor	100
52215-1450	2	Concrete screw 6 x 60	Concrete screw 6 x 60 mm – Multi-Monti	Fixation of ballast under the base profiles	
52215-1599	3	S Type M8 x 16	Screw M8x 16 mm – DIN 7380-2	Side panel, rear panel, center support, fall protection, carrier panel irradiation sensor	200
52215-1460	4	S Type M8 x 30	Screw M8 x 30 mm – ISO 7380-1	Cross strut & adapter Cross strut on the tower	
52215-1654	5	SBS Type M8 x 16	Screw M8 x 16 mm – ISO 7380	Mounting the ridge connector	
52215-1933	6	Thin plate screw 4.8 x 19 E14	Thin plate screw 4.8 x 19 mm	USO Connection	500
52215-0656	7	DBS - 4.8 x 19 E29	Thin plate screw 4.8 x 19 mm – E29	Ballast trays	50
52215-1933	8	DBS - 4.5 x 25	Thin plate screw 4.5 x 2 mm	Fixation of the holder for trapezoidal sheet	100
52215-0445	9	HKS M8 x 20	Hammerhead screw M8 x 20 mm – type 28/15, A2	Bracket 40 mm M8	50
52215-1742	10	HKS M10 x 30	Hammerhead screw M10 x 30 mm	Bracket 60 mm with ridge rail on mounting foot	100

NUTS & WASHERS

Art.-No.	Figure	Brief description	Description	Scope of application	VPE
52215-1340	1	Nut M6 DIN 934	Nut M6 – DIN 934	Fixation of the irradiation sensor to the carrier plate	100
52215-0564	2	SZM M8	Locking tooth nut M8	Angle 40 mm M8	50
52215-1398	3	Locking tooth nut M10	Locking tooth nut M10	Angle 60 mm with ridge and base rail FLAT DIRECT	500
52215-1320	4	Lock nut M12	Lock nut M12	Angle 60 mm with ridge rail and mounting foot FLAT DIRECT	50
52215-1659	5	Hexagon nut M12	Hexagon nut M12	USO Connection	
52215-0969	6	Hexagon nut M12	Hexagon nut M12 with flange & locking teeth	Fixation of the USO on the mounting base	200
52215-4218 NEW	7	Washer DIN 9021-13-A2	Washer DIN 9021-13-A2	Mounting the USO on the mounting base	1
52215-1408	8	M12 Fan disc A2	Fan disc M12 A2	Mounting the USO on the mounting base	100

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