MOUNTING SYSTEMS

RESIDENTIAL
COMMERCIAL
INDUSTRY

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Tiled roof

Mounting systems	 SingleRail, SolidRail, Insertion System		
System structure / Rail concept	roof parallel / single or double layer		roof parallel / Insertion System (always double layer)
Rail type	SingleRail	SolidRail	SolidRail + InsertionRail
Rail length (m)	2,50 3,65 4,80 5,95		
Roof fixing	roof hook with wood screws		
Fixing points	rafters		
Module clamps	for 30 – 42 mm frame height in black or silver		Insert rails black or silver, for 30 to 40 mm frame height
Notes	flexible in use		note usable module frame heights

Register now for the design programme – including static proof. To do so, please contact your account manager or info@de.krannich.com
Subject to change, the configuration with the manufacturer's software is decisive.

Trapezoidal roof (no isolated trapezoidal roof)

	BasicRail	MultiRail, MiniRail 2.0			MiniFive (based on MiniRail 2.0)
Mounting systems	BasicRail	MultiRail, MiniRail 2.0			MiniFive (based on MiniRail 2.0)
System structure / Rail concept	roof parallel / single or double layered	roof parallel / short rail system			5° elevation / short rail system
Rail type	BasicRail	MultiRail		MiniRail 2.0	MiniRail 2.0
Rail length (m)	2,5 4,80 5,95	0.10	0.25	0.40	0.40
Roof fixing	with basic clip and thread-forming drill screw	thread-forming drilling screw			thread-forming drilling screw
Fixing points	metal roofing	metal roofing			metal roofing
Module clamps	for 30 - 42 mm frame height in black or silver				
Notes	because of the strength of the drilling screw in the K2-BASE planning, pay attention to the material and thickness of the metal sheet				

Trapezoidal roof (no isolated trapezoidal roof)

Mounting systems	Solar fastener with calotte and SingleRail, SolidRail, Insertion System		Dome 6.10 on trapeze
System structure / Rail concept	roof parallel / single or double layer with continuous rails		10° flat roof system with roof fixing
Rail type	SingleRail	SolidRail	BasicRail
Rail length (m)	2,50 3,65 4,80 5,95		2.50 4.80 5. 95
Roof fixing	solar fastener with calotte (wood / steel)		with speed clip and thread-forming drilling screw
Fixing points	roof substructure		metal roofing
Module clamps	for 30 - 42 mm frame height in black or silver		for 30 - 50 mm frame height in black or silver
Notes	ensure sufficient beam/material thickness of the roof substructure		cannot be completely planned in K2-BASE (contact Krannich Support)

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Metal seam roof

Mounting systems	 Seam roof with SingleRail, SolidRail
System structure / Rail concept	continuous rails with direct connection to metal roofing by seam clamp
Rail type	SingleRail / SolidRail
Rail length (m)	2.50 3.65 5.95
Roof fixing	seam clamp in various designs and shapes
Fixing points	metal roofing
Module clamps	for 30 - 42 mm frame height in black or silver
Notes	due to contact corrosion, ensure suitable material of the seam clamp

	Corrugated fibre cement panels (Eternit)			Bitumen roof
Mounting systems	Hanger bolt with SingleRail, SolidRail, Insertion System			Splice Foot
System structure / Rail concept	roof parallel / single or double layer with continuous rails		roof parallel / Insertion System (always double layer)	Continuous rails with direct connection to the roof cladding by means of Splice Foot
Rail type	SingleRail	SolidRail	SolidRail + InsertionRail	SingleRail
Rail length (m)	2,50 3,65 4,80 5,95			2,50 3,65 4,80 5,95
Roof fixing	hanger bolt (wood) or solar fastener (wood + steel)			Wood screws with sealing washer
Fixing points	roof substructure			Roof substructure / form-work
Module clamps	for 30 - 42 mm frame height in black or silver		Insert rails black or silver, for 30 to 40 mm frame height	for 30 - 42 mm frame height in black or silver
Notes	ensure sufficient beam thickness of the roof substructure		mounting system only possible with double-layer	Only roof-parallel systems with SingleRail possible

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Facade

Montagesysteme	WallPV Facade Rail, CarrierRail, MultiRail			
Konstruktionsprinzip / Schienentyp	WallPV FacadeRail, continuous rail with mounting adapters on load-bearing wall, insertion system	WallPV CarrierRail, continuous rail on sandwich panel, insert system	WallPV MultiRail, short rail on uninsulated sheet metal panelling, also with insertion system	WallPV PerfoRail M, continuous rail on insulated outer wall, only with inlay system
Schienentyp	Mounting adapter + FacadeRail + InsertionRail	CarrierRail + InsertionRail	MultiRail / MultiRail CSM	PerfoRail + Insertion Rail
Schienenlänge (m)	2,50 3,65 4,80 5,95	2,50 3,65 4,80 5,95	0,25	4,20
Befestigung	Fastener depending on material	Thread forming self-tapping screws	Thread forming self-tapping screws	Special spacer screws
Anbindung an	Solid masonry / concrete	Sandwich panels	Trapezoidal and corrugated sheet metal	Exterior wall with WDVS(Thermal insulation-Verbund system)
Modulklemmen	Insert rails black or silver, for 30 to 40 mm frame height	Insert rails black or silver, for 30 to 40 mm frame height	For 30 - 42 mm frame height in black or silver or Insert rails	Insert rails black or silver, for 30 to 40 mm frame height
Hinweise	2-layer system, suitable for curtain-type, rear-ventilated building facades	2-layer system, approved for sandwich panels from FischerTHERM + MONTAT-HERM	Can be used as a single layer or with insert rails	2-layer system, suitable forFor walls with WDSV (thermal insulation- Composite system)

Flat roof

Mounting systems	Dome 6 (roof parallel, South + E/W)				TiltUp Vento
System structure	low ballast, aerodynamic flat roof system without roof penetration for bitumen, membrane, gravel and green roofs				universal elevation on concrete foundation
System	Dome 6.0	S-Dome 6.10	S-Dome 6.15	D-Dome 6.10	TiltUp Vento
Versions	-	Xpress (pre-assembled) Classic (individual components) Classic LS (module clamping on the long frame side) LS Xpress (module clamping on the long frame side, pre-assembled)			Modules upright Modules crosswise (1-/2-row)
Alignment	Roof parallel	South		East-West	South
"Continuous rail concept"	yes				no
Module angle	0°	10°	15°	10°	20° / 25° / 30°
Module length (mm)	1448 to 2390				up to 2293
Module width (mm)	950 to 1170				depending on arrangement up to 1135
Notes	very low-ballast system, pre-assembled components, can be used for wide modules				universal system with flexible inclination and few components

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