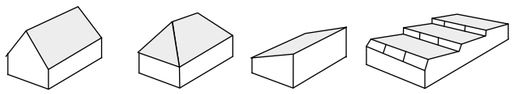
Mounting System Matrix: **Pitched Roof Systems**



BA Plan your project with our mounting systems in K2 Base

Roof covering / Scope of application	Tiles	Fibre Cement / Trapezoidal Sheet M. / Sandwich Panels		Trapezoidal sheet metal		Standing seam roof
Mounting location	Rafters	Purlins		Roof covering		Roof covering
Roof structure material	Timber	Steel	Timber	Steel and Aluminium		Steel, Aluminium, Zinc, Copper
Roof fixation	Dachhaken	Solar fastener *2	Hanger bolt or Solar fastener *2	Self-drilling screws	Self-drilling screws and self-tapping screws	Seam clamps *7
Technical assessment	▪ ETA-16/0709 for CrossHook 3S ▪ Structural analysis for SingleHook 1.1 *1	abZ for Solar fastener	abZ for Hanger bolt	abZ for SpeedRail/SpeedClip with self-drilling screws *5	▪ abZ for SpeedRail/SpeedClip with self-drilling screws *5 ▪ abZ for self-tapping screws and self-drilling screws	
Standard Mounting systems	SingleRail SolidRail	SingleRail SolidRail	SingleRail SolidRail	SpeedRail	SpeedRail MiniRail (+5°: MiniFive) MultiRail S-Dome Small *8 (+10° with MultiRail)	SolidRail SingleRail
Mounting system configuration	Single-layer	Cross-bracing *3	Cross-bracing *3	Single-layer	Single-layer *8	Single-layer
	Cross-bracing	Single-layer or Cross-bracing *4	Single-layer or Cross-bracing *4	Cross-bracing or Single-layer with AddOn	Single-layer or Cross-bracing	Cross-bracing or Single-layer with AddOn

*1 As the structural analysis of SingleHook 1.1 is fully calculated, no technical approval is necessary.
*2 Difference between Hanger bolt and Solar fastener: The Solar fastener is also suitable for a roof connection with a metal base. It comes with a storm washer that a metal flange rests on.
*3 Base rails from ridge to eaves and module support rail from verge to verge.
*4 In cross-bracing: Base rail parallel to the purlin + module support rail from first to eaves.
*5 In reference to abZ Z-14.4-603, we recommend self-drilling screws and a minimum sheet thickness of 0.5 mm for steel and 0.7 mm for aluminium.
*6 Difference between self-drilling screws and self-tapping screws: self-drilling screws have a drilling edge and creates swarf. Self-tapping screws have a hardened edge and does not create swarf.
*7 Refer to S5! for seam clamp approval. Kalzip only allows original Kalzip clamps.
*8 S-Dome Small is only available in horizontal module orientation.