

**Roof System for Trapezoidal Sheet Metal Roofs**

Product: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Customer: \_\_\_\_\_

**K2 Systems** - Roof system for trapezoidal sheet metal roofs**K2 SpeedRail System**

Floating mounting system with controlled thermal expansion. More than 800 MW installed. Suitable for high loads. Portrait or landscape assembly (with cross bracing or AddOn).

Building inspection approval: Z-14.4-603

Sheet metal thickness (Steel and Aluminium) from 0.5 mm

For all framed modules with dimensions from 30 mm to 50 mm.

A thermal separation is recommended after 6.10 m and required after 8.40 m. A minimum spacing of 3-5 cm is required for the thermal cut between two rails.

Statistically verified solution using the K2 Base planning software according to Eurocode 9. Load assumptions according to EUROCODE 1.

The SpeedRail System includes the following materials:

No.	Item Description	Product Code	Quantity	Price/Unit in €	Total price in €
1	<b>K2 SpeedRail 22</b> Mounting rails Height: 22.5 mm Width: 39 mm, Material: EN AW-6063 T66	<i>Depending on length</i>			
2	<b>K2 SpeedClip</b> Module supporting element for mounting K2 SpeedRails on trapezoidal sheet metal roofs, Material: glass fibre reinforced polyamide, EPDM	1001164			
3	<b>K2 self-tapping screw</b> For installing the SpeedClip bracket Dimensions: 6x38 mm Sealing washer: Ø 16 mm, Material: stainless steel A2 (1.4301) and EPDM (Z-14.1-547 and Z-14.1-4) Alternative: <b>K2 self-tapping screw</b>	1005193           1001622			

Supplier:

K2 Systems GmbH, Industriestraße 18, 71272 Renningen

PHONE +49 7159-42059 - 0 - FAX +49 7159-42059 - 177

E-MAIL info@k2-systems.de - WEB www.k2-systems.com

**Roof System for Trapezoidal Sheet Metal Roofs**

Product: \_\_\_\_\_

Location: \_\_\_\_\_

Customer: \_\_\_\_\_

	For installing the SpeedClip bracket Dimensions: 6x36 mm Sealing washer: Ø 16 mm, Material: stainless steel A2 (1.4301) and EPDM (Z-14.4-426)				
4	<b>K2 SpeedConnector Set</b> Rail connector for connecting two K2 SpeedRails with three drilled holes for flexible assembly. Consisting of: - SpeedConnector, Material: EN AW-6063 T66 - 2 countersunk-head drilling screws, 4.8x16 mm, Material: stainless steel A2 (1.4301) with TX 25 drive	1003571			
5	<b>K2 SpeedLock Set</b> Locking device to install K2 SpeedRail and regulate thermal expansion. - SpeedLock, Material: EN AW-6063 T66 - Hexagon socket countersunk-head screw M8x20 DIN 7991, Material: stainless steel A2 (1.4301) - MK2 slot nut with clip, Material: stainless steel A2 (1.4301) and PA	1003558			
<b>Module mounting portrait installation</b>					
6	<b>K2 Universal module clamp OneMid</b> For fastening module on mounting rails Consisting of: - Middle clamp, Material: aluminium mill finish/black anodized - AluStance 15, Material: aluminium - K2 bolt with serrated	2002515/2002588			

Supplier:

K2 Systems GmbH, Industriestraße 18, 71272 Renningen

PHONE +49 7159-42059 - 0 - FAX +49 7159-42059 - 177

E-MAIL info@k2-systems.de - WEB www.k2-systems.com

**Roof System for Trapezoidal Sheet Metal Roofs**

Product: \_\_\_\_\_

Location: \_\_\_\_\_

Customer: \_\_\_\_\_

	<p>underhead, Material: stainless steel A2 (1.4301) and PA - Square nut M8x15, Material: stainless steel A2 (1.4301) - Plastic cage VK 15 - Stainless steel spring</p> <p>Alternative: <b>K2 Middle Clamp XS Set</b> For fastening the modules to supporting elements Consisting of: - Middle clamp XS, Material: EN AW-6063 T66 (aluminium mill finish/black anodized) - Bolt with serrated underhead M8, SW 6 mm similar DIN 912 / EN ISO 4762, Material: stainless steel A2 (1.4301) - MK2 slot nut with clip, Material: stainless steel A2 (1.4301) and PA</p>	<i>Depending on module frame height</i>			
7	<p><b>K2 Universal module clamp OneEnd</b> For fastening module on mounting rails Consisting of: - End clamp, Material: aluminium mill finish/black anodized - AluStance 15, Material: aluminium - K2 bolt with serrated underhead, Material: stainless steel A2 (1.4301) and PA - Square nut M8x15, Material: stainless steel A2 (1.4301) - Plastic cage VK 15 - Stainless steel spring</p> <p>Alternative: <b>K2 End Clamp Standard Set</b> For fastening module on mounting rails</p>	2002514/2002589			

Supplier:

K2 Systems GmbH, Industriestraße 18, 71272 Renningen

PHONE +49 7159-42059 - 0 - FAX +49 7159-42059 - 177

E-MAIL info@k2-systems.de - WEB www.k2-systems.com

**Roof System for Trapezoidal Sheet Metal Roofs**

Product: \_\_\_\_\_

Location: \_\_\_\_\_

Customer: \_\_\_\_\_

	Consisting of: - End clamp, Material: EN AW-6063 T66 (aluminium mill finish/black anodized) - Bolt with serrated underhead M8 similar DIN 912 / EN ISO 4762, Material: stainless steel A2 (1.4301) and PA - MK2 slot nut with clip, Material: stainless steel A2 (1.4301) and PA - Stainless steel spring				
<b>Module mounting landscape installation</b>					
8	<b>MK2 slot nut with clip</b> For fastening AddOn and end clamp to mounting rails, Material: stainless steel A2 (1.4301) and PA	1001643			
9	<b>K2 AddOn</b> Enables grid or shared- rail installation without additional rails or clamps, Material: glass fibre reinforced polyamide	1005530/2001707			
10	<b>K2 End Clamp Standard</b> For fastening modules to supporting elements, Material: EN AW-6063 T66 (aluminium mill finish/black anodized)	<i>Depending on module frame height</i>			
11	<b>K2 Middle Clamp Standard</b> For fastening modules to supporting elements, Material: EN AW-6063 T66 (aluminium mill finish/black anodized)	<i>Depending on module frame height</i>			
12	<b>K2 bolt with serrated underhead</b> M8 DIN EN ISO 4762, Material: stainless steel A2 (1.4301), SW 6 mm	<i>System-specific product number</i>			

Supplier:

K2 Systems GmbH, Industriestraße 18, 71272 Renningen

PHONE +49 7159-42059 - 0 - FAX +49 7159-42059 - 177

E-MAIL info@k2-systems.de - WEB www.k2-systems.com

**Roof System for Trapezoidal Sheet Metal Roofs**

Product: \_\_\_\_\_

Location: \_\_\_\_\_

Customer: \_\_\_\_\_

13	<b>K2 Lock Washer</b> DIN EN 10151, Material: stainless steel A2 (1.4301)	1000473			
<b>Total</b>					

Supplier:

K2 Systems GmbH, Industriestraße 18, 71272 Renningen

PHONE +49 7159-42059 - 0 - FAX +49 7159-42059 - 177

E-MAIL info@k2-systems.de - WEB www.k2-systems.com