

**Mounting system for trapezoidal sheet metal roofs**

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

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

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

**K2 Systems** – flexibles System für Dachverschalungen, Trapezbleche oder Blechdächer unabhängig vom Sickenabstand.

**K2 MultiRail System**

Simple and proven - as a short rail or flexible component in different lengths. Suitable for all standard module types. Fast planning with little material input and great effect.

Roof pitch of: 5 - 75°

After a maximum of 13.6 m, thermal separation must be carried out and a new row of modules must be started with an end clamp.

Fixing of the MultiRails on trapezoidal sheet metal with thin sheet metal screws approved by the building authorities. Minimum tensile strength aluminium 165 N/mm<sup>2</sup>. steel grade min. S235 following DIN EN 10025-1

Trapezoidal sheet thickness from 0.4 mm (steel and aluminium)

Min. 22 mm crest width, Plane support around the borehole:  $\varnothing \geq 20$  mm

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

Supplier:

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Phone: +49 7159-42059 - 0

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The MultiRail System includes the following materials:

No.	Item Description	Product Code	Quantity	Price/Unit in €	Total price in €
1	<p><b>K2 MultiRail 10</b> Mounting rail length: 100 mm height: 32 mm width: 39 mm Material: EN AW-6063 T66, EPDM</p> <p><i>Alternative:</i> <b>K2 MultiRail 25</b> Mounting rail length: 250 mm height: 32 mm width: 39 mm Material: EN AW-6063 T66, EPDM</p> <p><i>Alternative:</i> <b>K2 MultiRail 4,20</b> Mounting rail length: 4,20 m height: 32 mm width: 39 mm Material: EN AW-6063 T66, EPDM</p>	<p>2001300</p> <p>2001301</p> <p>2000471</p>			
2	<p><b>K2 Module end clamp standard Set</b> for fastening module on mounting rails. Consisting of:</p> <ul style="list-style-type: none"> <li>▶ 1 Module end clamp standard, Material: EN AW-6063 T66 (aluminium mill finish/ black anodised)</li> <li>▶ 1 Allen bolt with serrated under head M8, similar DIN 912/EN ISO 4762, Material: stainless steel A2 (1.4301)</li> <li>▶ 1 MK2 slot nut with clip, Material: stainless steel A2 (1.4301) and PA</li> <li>▶ 1 stainless steel spring</li> </ul>	<i>Depending on module frame height</i>			

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	<p><i>Alternative (only MultiRail 25 &amp; 4,20):</i></p> <p><b>K2 Universal-module end clamp OneEnd</b> for fastening module on mounting rails. Module frame height: 30-42 mm.</p> <p>Consisting of:</p> <ul style="list-style-type: none"> <li>▶ 1 Module end clamp, Material: aluminium mill finish/ black anodised</li> <li>▶ 1 AluStance 15, Material: aluminium EN AW-6063 T66</li> <li>▶ 1 K2 Allen bolt with serrated under head M8x45, Material: stainless steel A2 (1.4301)</li> <li>▶ 1 square nut M8x15 Material: stainless steel A2 (1.4301)</li> <li>▶ 1 plastic cage, Material: POM / black</li> </ul>	<p>2002514 (aluminium mill finish)</p> <p>2002589 (black anodised)</p>			
3	<p><b>K2 Universal-module middle clamp OneMid</b> for fastening module on mounting rails. Module frame height: 30-42 mm</p> <p>Consisting of:</p> <ul style="list-style-type: none"> <li>▶ 1 Middle clamp, Material: Aluminium mill finish/ black anodised</li> <li>▶ 1 AluStance 15, Material: Aluminium EN AW-6063 T66</li> <li>▶ 1 K2 Allen bolt with serrated under head M8x45, Material: Stainless steel A2 (1.4301)</li> <li>▶ 1 Square nut M8x15, Material: Stainless steel A2 (1.4301)</li> <li>▶ 1 Plastic cage, Material: POM / black</li> </ul> <p>Alternative to Universal Module Middle Clamp One-Mid:</p>	<p>2003071 (aluminium mill finish)</p> <p>2003072 (black anodised)</p>			

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	<b>K2 Modulemiddleclamp XS Set</b> For fastening the modules to supporting elements Consisting of: <ul style="list-style-type: none"> <li>▶ 1 Middle clamp XS, Material: EN AW-6063 T66 (aluminium mill finish/ black anodised)</li> <li>▶ 1 K2 Allen bolt with serrated under head M8, similar DIN 912/EN ISO 4762, Material: stainless steel A2 (1.4301)</li> <li>▶ 1 MK2 slot nut with clip, Material: stainless steel A2 (1.4301) and PA</li> <li>▶ 1 Stainless steel spring</li> </ul>	<i>Depending on module frame height</i>			
4	<b>K2 self-tapping screw</b> For installing the MultiRail Dimensions: 6x28 mm Sealing washer: Ø 16 mm, Material: stainless steel A2 (1.4301) and EPDM (Z-14.4-426)	1005207			
Additional material for cross bonding					
6	<b>K2 SingleRail 36</b> Mounting rail height: 36 mm width: 39,4 mm, Material: EN AW-6063 T66  <i>Alternative:</i> <b>K2 SingleRail 50</b> Mounting rail height: 50 mm width: 39,4 mm, Material: EN AW-6063 T66	<i>Depending on length</i>			
7	<b>Climber 36/48 Set</b> Aluminium clip for fixing the K2 SingleRail 36&50. Set consisting of: <ul style="list-style-type: none"> <li>▶ Climber 36/48 Material: EN AW-6063 T66</li> <li>▶ Bolt with serrated under head M8x25, Material: stainless steel A2</li> </ul>	1006041			

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	▶ MK2 slot nut with clip, Material: stainless steel und PA				
<b>Summe</b>					

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