Kalzip® Fixing clamp

Product data sheet

The product
Kalzip offers three types of fixing clamps:
Type FA: Flat connection made of aluminium
Type FS: Flat stainless steel connection
Type WS: Angle connection made of stainless steel

Product advantages
• Penetration-free attachment
• Officially tested and evaluated in conjunction with the Kalzip system as a system accessory

Field of application
The Kalzip fixing clamp is used for the penetration-free fixing of attachments e.g. B. Walking gratings, solar systems (photovoltaic and solar thermal). The temperature-related changes in length of the Kalzip profiled sheets are not affected by the Kalzip fixing clamps when installed correctly impedes or restricts.

Installation note
The fixing clamps are inserted in the open closed was placed on the flanges and the clamping screw with a tightening torque of 6 Nm. It must be ensured that the fixing clamps are not readjusted or moved after fixing, otherwise they lose their clamping effect. In practice, this means that the clamping screws should only be tightened to the tightening torque of 6 Nm after installation attachments (e.g. B. Frames for solar systems) on the mounting clamp. If the position of the fixing clamps is changed, the clamping screws must be tightened again.

Note
The Kalzip fixing clamps are not to be used as anchor points for personal safety devices.

Kalzip fixing clamps

Fixing clamp Typ FA
Connection to: Flat form
Material: aluminium
length: 60 mm
Tightening torque: 6 Nm

Fixing clamp Typ FS
Connection to: Flat form
Material: Stainless steel
length: 38 mm
Tightening torque: 6 Nm

Fixing clamp Typ WS
Connection to: Angle
Material: Stainless steel
length: 38 mm
Tightening torque: 6 Nm
Product data sheet fixing clamp

Characteristic values of the load capacity $R_c$ of the fixing clamps in [kN] on Kalzip (for all load directions):

<table>
<thead>
<tr>
<th>sheet thickness t [mm]</th>
<th>Clip distance $L_k$ [m]</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
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<tr>
<td>1,20</td>
<td>1,84</td>
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<table>
<thead>
<tr>
<th>sheet thickness t [mm]</th>
<th>Clip distance $L_k$ [m]</th>
</tr>
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<tbody>
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<td>1,20</td>
<td>1,07</td>
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</tbody>
</table>

Proof of the fixing clamps

The value of the external load increased by $γ_F \cdot S$ per fixing clamp must be smaller than

is the characteristic value of the load capacity $R_c$ of the fixing clamp divided by $γ_w$:

\[ γ_F \cdot S \leq \frac{R_c}{γ_w} \]

with $γ_w = 1.5$

and $γ_F = 1.1$

- Clip distances ≤ 1.00 m may not be invoiced.
- Distance ≤ 1.00 m from mounting clamps may not be invoiced.
- The proof of stability for the Kalzip profiled sheets and the fixing clamps themselves must be kept separately.