



Heavy-load corbel SLK®-ALU-TTR / -TTQ

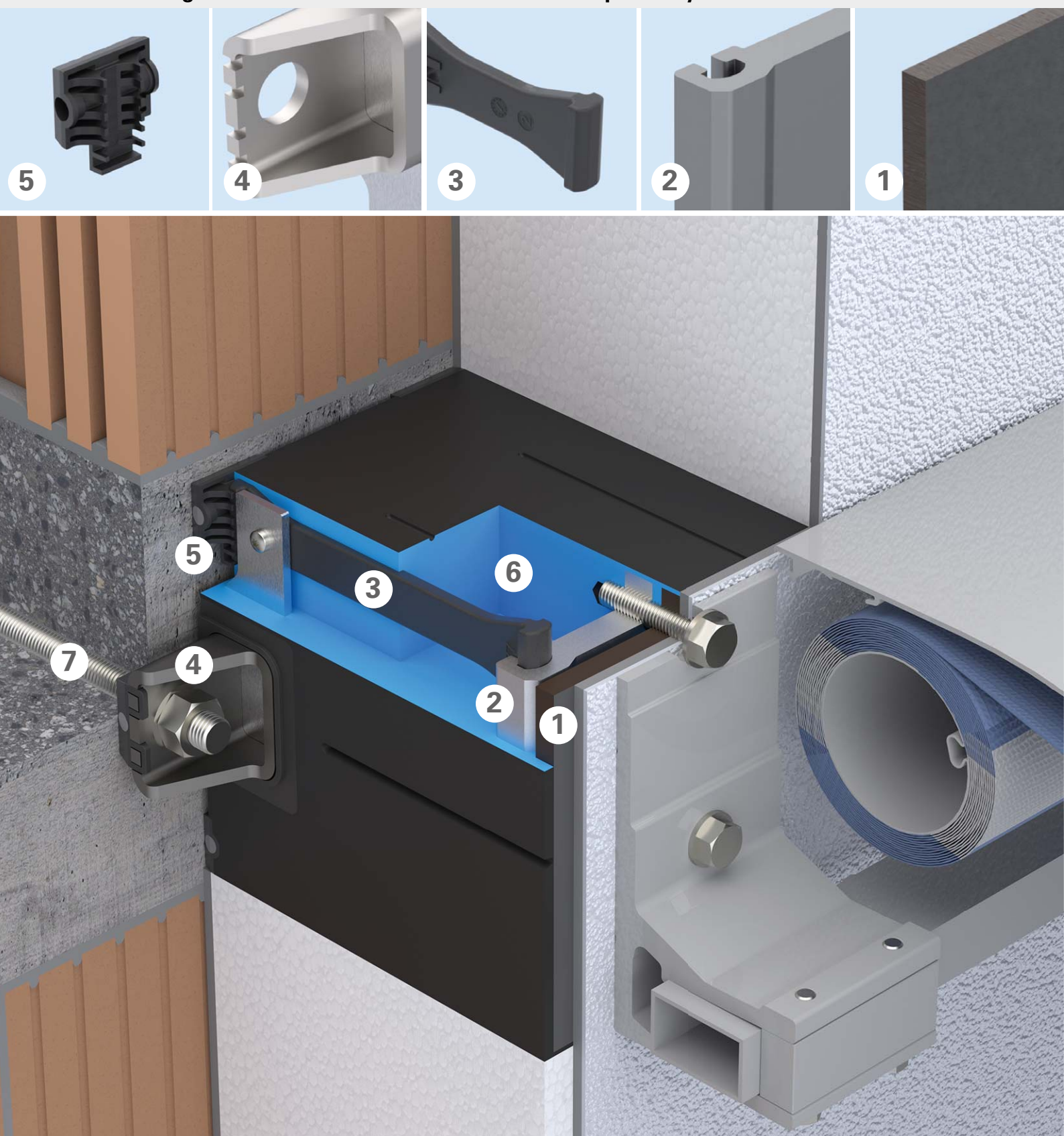


# Dosteba

*Elemente sind  
Elements are  
unsere Stärke  
our strength*

# Heavy-load corbel SLK<sup>®</sup>-ALU-TTR / -TTO

Thermal bridge-free fixation in thermal insulation composite systems

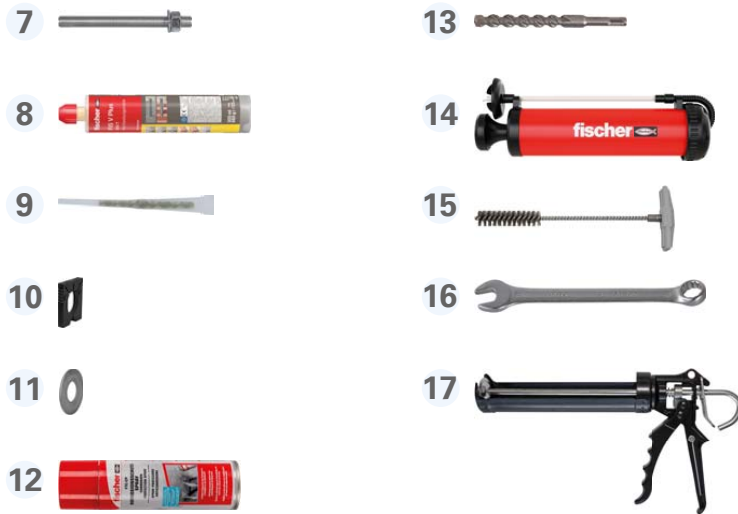


## Assembly





## Fastening material, tools and loads



- 1 Compact plate (HPL) for optimum pressure distribution on the surface
- 2 Aluminium plate to screw in the attachment part
- 3 Tension rods made of a low-fibre synthetic material (polyamide) guarantee the required stability
- 4 Steel console and square steel tube for friction-type screw assembly with the masonry
- 5 Injection feet to eliminate ring gaps
- 6 PU foam with a volumetric weight of 350 kg/m<sup>3</sup>
- 7 Injection-threaded rod FIS A M16 x 175
- 8 Injection-mortar FIS V Plus 300 T
- 9 Static mixer FIS S
- 10 Spacers for the precise alignment onto the facade alignment
- 11 Washer 17x40x1,6 mm
- 12 Corrosion protection spray FTC-CP
- 13 Hard metal-hammer drill Ø18 mm, drill length 200 mm
- 14 Ejector pistol ABG
- 15 Cleaning brush BS, Ø18 mm / M16
- 16 Open-end wrench, wrench size  $\sphericalangle$  24
- 17 Cartridge press

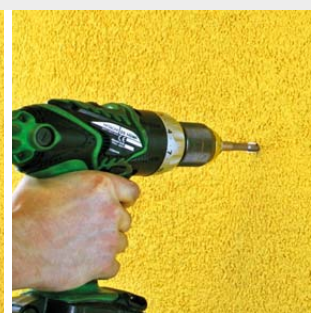
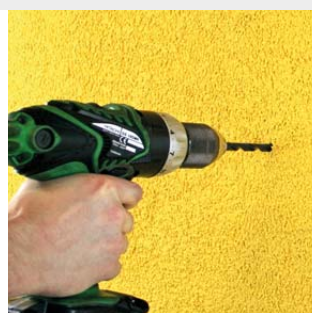
### Recommended loads

The recommended partial safety factors of the resistance of the ultimate limit state (GZT), an influencing factor of exposure time=1.20, and a partial safety factor of exposure  $\gamma_F=1.40$  are taken into account.

		SLK®-ALU-TTR	SLK®-ALU-TTQ
vertical	$F_{V,empf}$	5.60 - 9.65	6.50 - 12.60
	$F_{Z,empf}$	22.40 - 24.10	22.60 - 25.60
	$F_{D,empf}$	36.10 - 39.30	51.70 - 59.80
	$M_{empf}$	1.50 - 1.75	1.65 - 1.85
horizontal	$F_{V,empf}$	5.45 - 11.55	9.00 - 19.25
	$F_{Z,empf}$	22.40 - 24.10	22.60 - 25.60
	$F_{D,empf}$	36.10 - 39.30	51.70 - 59.80
	$M_{empf}$	1.20 - 1.40	2.20 - 2.70

$F_{V,empf}$ kN	Recommended transverse force on fixation element	$F_{D,empf}$ kN	Recommended compressive force on fixation element
$F_{Z,empf}$ kN	Recommended tensile force on fixation element	$M_{empf}$ kNm	Recommended bending force on fixation element

Further information and explanations can be found in the current technical documentation. The provisions of the ETA-21/0722 apply as standard for safety-related loads.





## Heavy-load corbel SLK®-ALU-TTR / -TTQ

### The problem

The mounting of heavy attachment parts to insulated facades is subject to demanding requirements in terms of impermeability, thermal separation and power-grip fixation.

### The solution

With the heavy-load corbels SLK®-ALU-TTR / -TTQ these high demands can be certainly met. Attachment parts can be fixed in a secure, friction-locked and thermally isolated manner with maximum impermeability.

### Your benefit

The placement of the two fixation points enables front-facing assembly on concrete surfaces with maximum load transfer. Even the slightest slipping is prevented by filling in the ring gaps. This means even more security for you. Additional adhesion is not necessary.

### Your advantages

- ✓ No thermal bridges
- ✓ No water infiltration
- ✓ No damages
- ✓ Power-grip assembly for heavy loads
- ✓ Even more stability

### The product

Heavy-load corbels SLK®-ALU-TTR / -TTQ are made of black-coloured, rot-resistant CFC-free PU rigid foam (polyurethane) with four foamed steel consoles for friction-type, a square steel tube screw assembly with the masonry, an aluminium plate for screwing the attachment part and a compact plate (HPL), to ensure optimum surface pressure distribution. Tension rods made of a low-fibre synthetic material (polyamide) guarantee the required stability.

Heavy-load corbel SLK®-ALU-TTR

- Base surface: 240 x 186 mm
- Thicknesses: 100 – 300 mm
- Useful surface area: 162 x 82 mm

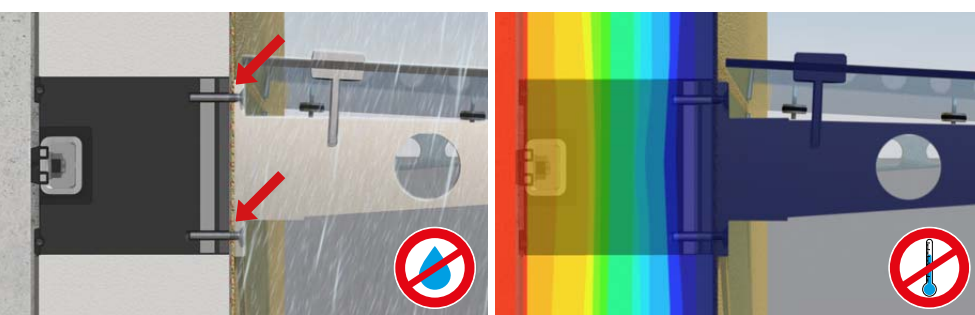
Heavy-load corbel SLK®-ALU-TTQ

- Base surface: 340 x 186 mm
- Thicknesses: 100 – 300 mm
- Useful surface area: 162 x 182 mm

Test certificates / Assessments



European Technical Assessment  
ETA-21 / 0722



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