

EJOT[®] facade anchor with M8 threaded connection

Ideal for the embedment of support profiles with steel rods for rainscreen applications

Anchor and Installation Technology

Facade anchors

EJOT®

EJOT® facade anchor SDF-KB-10V/M8

with M8 threaded connection

Ø [mm]	Anchor length L [mm]	Thickness of the non-load carrying render layer t_{tol} (concrete) [mm]	Thickness of the non-load carrying render layer t_{tol} (Masonry) [mm]	PU	Price/100 [EUR]	Order description	Product code
10	60	0-20	0-10	100		SDF-KB-10Vx60/M8x13-E	8 581 060 813

Anchor with stainless steel A4 screw (-E)*

*Anchor with steel screw with zinc-plated Cr(VI)-free coating (-V) upon request.

Accessories

Order description	PU	Price/1 [EUR]	Article number
Socket AF 13-1/4"x50	1		9 250 719 001

Application area

- Embedment of support profiles with steel rods for rainscreen applications
- Embedment of lightweight suspended ceilings
- Fastening of eye bolts

Properties

- Anchor with minimal embedment depth in concrete
- Very short expansion part, for short installation times
- Optimal expanding part due to radial expansion
- Very high bending moment
- Product identification through different sleeve colours
- Double safety lock against torsion for secure installation

Note

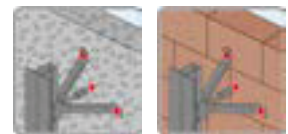
Please note the European Technical Approval ETA-10/0305 in your planning and in the processing of the products. Further information about parameters and loads can be found in the approval.

Characteristic values

Hole depth in concrete $h_{1,1}$	≥ 70 mm
Effective embedment depth in concrete $h_{nom,1}$	≥ 40 mm
Hole depth in masonry $h_{1,2}$	≥ 70 mm
Effective embedment depth in masonry $h_{nom,2}$	≥ 50 mm
Drill hole diameter d_0	10 mm
Drive	AF 13
Length M8 threaded connection	13 mm

Characteristic loads

Tensile load $N_{Rk,p}$ in concrete C12/15	
Temperature range 30 °C / 50 °C	4.50 kN
Temperature range 50 °C / 80 °C	4.00 kN
F_{Rk} brick Mz 20-1.8, NF	2.50 kN
F_{Rk} solid lime sand brick KS 36, NF	4.00 kN
F_{Rk} solid lime sand brick KS 20, 8 DF	4.50 kN
Transverse load $V_{Rk,s}$ in concrete C12/15 at $h_{nom,1} = 40$ mm	
Anchor with stainless steel screw A4	9.12 kN
Transverse load $V_{Rk,s}$ at $h_{nom,2} = 50$ mm	
Anchor with stainless steel screw A4	12.94 kN
Bending moment $M_{Rk,s}$ at $h_{nom,1} = 40$ mm	
Anchor with stainless steel screw A4	16.09 kN
Side load $M_{Rk,s}$ at $h_{nom,2} = 50$ mm	
Anchor with stainless steel screw A4	26.62 Nm



Approval

ETA-10/0305

Cross reference

Cleaning brush
Blow-out pump
Tool belt
Corrosion protection spray
Socket AF 13-1/4"x50

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EJOT® facade anchor SDF-KB-10H/M8

with M8 threaded connection

Ø [mm]	Anchor length L [mm]	Thickness of the non-load carrying render layer t_{tot} [mm]	PU	Price/100 [EUR]	Order description	Part number
Anchor with A4 stainless steel screws (-E)*						
10	80	0-10**	100		SDF-KB-10Hx80/M8x13-E	8 513 080 813
10	100	0-30**	100		SDF-KB-10Hx100/M8x13-E	8 513 100 813

*Anchor with steel screw with zinc-plated Cr(VI)-free coating (-V) upon request.

Accessories

Order description	PU	Price/1 [EUR]	Article number
Socket AF 13-1/4"x50	1		9 250 719 001

Application area

- Embedment of support profiles with steel rods for rainscreen applications
- Embedment of lightweight suspended ceilings
- Fastening of eye bolts

Properties

- Approved for all common building materials
- Reliable hold in problematic building material due to optimised expansion part
- Secure hold due to radial expansion
- Product identification through different sleeve colours
- Double safety lock against torsion for secure installation

Note

Please note the European Technical Approval ETA-10/0305 in your planning and in the processing of the products. Further information about parameters and loads can be found in the approval.

**The load-carrying capacity and the influence of larger embedment depth in hollow or perforated brick ($h_{nom} > 70$ mm) and/or different stones (acc. to ETA-10/0305 with regards to stone size, compression strength and hole pattern) has to be determined with tests on the building.

Characteristic values

Drill hole depth	≥ 90 mm
Effective embedment depth h_{nom}	≥ 70 mm
Drill hole diameter d_0	10 mm
Hole diameter of component to be fixed d_f	≤ 10.5 mm
Drive	AF 13
Length M8 threaded connection	13 mm

Characteristic loads

Tensile load $N_{Rk,p}$ in concrete C12/15	
Temperature range 30 °C / 50 °C	4.50 kN
Temperature range 50 °C / 80 °C	4.00 kN
Brick Mz 20-1.8, NF	4.00 kN
Solid lime sand brick KS 36, NF	4.50 kN
Solid lime sand brick KS 20, 8 DF	4.50 kN
Solid lightweight concrete brick V6, 2 DF	2.00 kN
Vertically perforated brick HLz 12-0.9, NF	2.00 kN
Perforated lime sand brick KSL 12, 4 DF	2.50 kN
Cavity block made of lightweight concrete Hbl 10, 12 DF	
1.20 kN	
Transverse load $V_{Rk,s}$	
Anchor with stainless steel screw A4	10.91 kN
Bending moment $M_{Rk,s}$	
Anchor with stainless steel screw A4	20.62 Nm



Cross-reference

- Cleaning brush
- Blow-out pump
- Tool belt
- Corrosion protection spray
- Socket AF 13-1/4"x50

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Facade anchors

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EJOT® facade anchor SDP-KB-10G/M8

with M8 threaded connection

Ø [mm]	Anchor length L [mm]	Thickness of the non-load carrying render layer t_{tot} [mm]	PU	Price/100 [EUR]	Order description	Part number
Anchor with A4 stainless steel screws (-E)*						
10	80	0-10	100		SDP-KB-10Gx80/M8x13-E	8 532 080 813
10	100	10-30	100		SDP-KB-10Gx100/M8x13-E	8 532 100 813

*Anchor with steel screws with zinc-plated Cr(VI)-free coating (-V) upon request.

Accessories

Order description	PU	Price/1 [EUR]	Article number
Socket AF 13-1/4"x50	1		9 250 719 001

Application area

- Embedment of support profiles with steel rods for rainscreen applications
- Embedment of lightweight suspended ceilings
- Fastening of eye bolts

Properties

- Facade anchor with two-stage screw
- Reliable form-fit in the substrate due to combined expansion zones
- High load-carrying capacity

Note

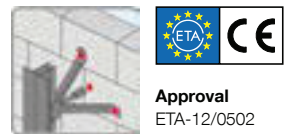
For planning and processing please note approval ETA-12/0502.

Characteristic values

Drive	AF 13
Length M8 threaded connection	13 mm
Drill hole depth $\geq t$	+90 mm
Embedment depth $\geq h_v$	70 mm

Characteristic values

Compressive strength aerated concrete [N/mm ²]	
Aerated concrete 2	0.75 kN
Aerated concrete 3	1.31 kN
Aerated concrete 4	1.87 kN
Aerated concrete 6	3.00 kN
Partial safety factor γ_{MAAC}	2.00 kN
Characteristic bending moment	
Stainless steel screw	20.6 Nm / γ_{Ms} 1.87



Cross-reference

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Blow-out pump
Tool belt
Corrosion protection spray
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