

The versatile specialist
for problematic
building materials



EJOT[®] facade anchor SDF-10H

For fixing timber and metal substructures to concrete,
pre-cast concrete panels, solid and hollow brick masonry

EJOT® facade anchor SDF-S-10H

with countersunk head

Ø [mm]	Anchor length L [mm]	Fixing thickness t_{ix} ≤ [mm]	PU	Price/100 [EUR]	Order description	Article number
Anchor with steel screw with zinc-plated Cr(VI)-free coating (-V)						
10	80	10	100		SDF-S-10Hx80-V	8 510 080 420
10	100	30	100		SDF-S-10Hx100-V	8 510 100 420
10	120	50	100		SDF-S-10Hx120-V	8 510 120 420
10	140	70	100		SDF-S-10Hx140-V	8 510 140 420
10	160	90	100		SDF-S-10Hx160-V	8 510 160 420
10	180	110	100		SDF-S-10Hx180-V	8 510 180 420
10	200	130	100		SDF-S-10Hx200-V	8 510 200 420
10	220	150	100		SDF-S-10Hx220-V	8 510 220 420
10	240	170	100		SDF-S-10Hx240-V	8 510 240 420
10	260	190	100		SDF-S-10Hx260-V	8 510 260 420
10	280	210	100		SDF-S-10Hx280-V	8 510 280 420
10	300	230	100		SDF-S-10Hx300-V	8 510 300 420
Anchor with A4 stainless steel screws (-E)						
10	80	10	100		SDF-S-10Hx80-E	8 510 080 620
10	100	30	100		SDF-S-10Hx100-E	8 510 100 620
10	120	50	100		SDF-S-10Hx120-E	8 510 120 620
10	140	70	100		SDF-S-10Hx140-E	8 510 140 620
10	160	90	100		SDF-S-10Hx160-E	8 510 160 620
10	180	110	100		SDF-S-10Hx180-E	8 510 180 620
10	200	130	100		SDF-S-10Hx200-E	8 510 200 620
10	220	150	100		SDF-S-10Hx220-E	8 510 220 620

Application Range

- Installation of wood or metal components
- For all non-load carrying redundant systems according to ETAG 020
- Suitable for the structural fastening of gates, doors, windows, square timber
- For installation in rain screen

Properties

- Approved for all common building materials
- Reliable hold in problematic building material due to optimised expansion part
- Secure hold due to radial expansion
- Cr VI-free coating of the screw
- 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

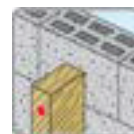
Hole depth in concrete $h_{1,1}$	≥ 80 mm
Effective embedment depth h_{nom}	≥ 70 mm
Drill hole diameter d_0	10 mm
Hole diameter of construction part to be installed d_i	≤ 10.5 mm
Drive	T40

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 tile made of lightweight concrete Hbl 10, 12 DF	1.20 kN
Transverse load $V_{Rk,s}$	
Anchor with steel screw	9.35 kN
Anchor with stainless steel screw A4	10.91 kN
Bending moment $M_{Rk,s}$	
Anchor with steel screw	17.67 Nm
Anchor with stainless steel screw A4	20.62 Nm



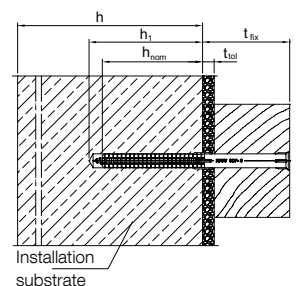
T40



Approval
ETA-10/0305

Cross reference

- Cleaning brush
- Blow-out pump
- Tool belt
- Corrosion protection spray



Anchors and Installation Technology

Facade anchors

EJOT®

EJOT® facade anchor SDF-KB-10H

with hexagon head

Ø [mm]	Anchor length L [mm]	Fixing thickness t_{ix} ≤ [mm]	PU	Price/100 [EUR]	Order description	Article number
Anchor with steel screw with zinc-plated Cr(VI)-free coating (-V)						
10	80	10	100		SDF-KB-10Hx80-V	8 513 080 420
10	100	30	100		SDF-KB-10Hx100-V	8 513 100 420
10	120	50	100		SDF-KB-10Hx120-V	8 513 120 420
10	140	70	100		SDF-KB-10Hx140-V	8 513 140 420
10	160	90	100		SDF-KB-10Hx160-V	8 513 160 420
10	180	110	100		SDF-KB-10Hx180-V	8 513 180 420
10	200	130	100		SDF-KB-10Hx200-V	8 513 200 420
10	220	150	100		SDF-KB-10Hx220-V	8 513 220 420
Anchor with A4 stainless steel screws (-E)						
10	80	10	100		SDF-KB-10Hx80-E	8 513 080 620
10	100	30	100		SDF-KB-10Hx100-E	8 513 100 620
10	120	50	100		SDF-KB-10Hx120-E	8 513 120 620
10	140	70	100		SDF-KB-10Hx140-E	8 513 140 620
10	160	90	100		SDF-KB-10Hx160-E	8 513 160 620
10	180	110	100		SDF-KB-10Hx180-E	8 513 180 620
10	200	130	100		SDF-KB-10Hx200-E	8 513 200 620
10	220	150	100		SDF-KB-10Hx220-E	8 513 220 620

Application Range

- Installation of metal components
- For all non-load carrying redundant systems according to ETAG 020
- Suitable for the structural fastening of wall cupboards, cladding, metal angle pieces
- For installation in rain screen

Properties

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

Note

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Characteristic values

Hole depth in concrete $h_{1,1}$	≥ 80 mm
Effective embedment depth h_{nom}	≥ 70 mm
Drill hole diameter d_0	10 mm
Hole diameter of construction part to be installed d_i	≤ 10.5 mm
Drive	AF13/T40

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
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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
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Transverse load $V_{Rk,s}$	
Anchor with steel screw	9.35 kN
Anchor with stainless steel screw A4	10.91 kN
Bending moment $M_{Rk,s}$	
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Cross reference

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- Blow-out pump
- Tool belt
- Corrosion protection spray

