

Universal anchor SDF-S-10H



Cross references

Flat roof profile FP
Cordless screwdriver
ASCM QSW
Cordless hammer drill ABH
Universal drill SDS-plus
Hammer drill SDS plus
Bit hexalobular TX40
Tool belt
Cleaning brush
Blow-out pump
Corrosion protection spray

Application range

- > Installation of wood parts
- > For multiple fastening of non-load-bearing systems according to EAD 330284-00-0604
- > Suitable for the structural fastening of gates, doors, windows, square timber
- > For embedment in rain screens
- > For application as single fastening in concrete

Properties

- > Countersunk head
- > Approved for all common building materials
- > Reliable hold in problematic building materials thanks to optimised expansion part
- > Radial expansion for reliable hold
- > Product identification through different sleeve colours
- > Double safety lock against torsion for secure installation

Notice

For planning and processing the products, please observe ETA-10/0305 and Z-21.2-2122. Further information about parameters and loads can be found in the approvals. For bricks of unknown quality, the load-bearing capacity must be determined through pull-out tests on the structure.

Admissible loads

Tensile load $N_{Rk,p}$ in concrete C12/15

Temperature range 30 °C / 50 °C	1.79 kN
Temperature range 50 °C / 80 °C	1.59 kN

Brick Mz 20-1.8, NF

1.14 kN

Solid sand-lime brick KS 36, NF

1.29 kN

Solid sand-lime brick KS 20, 8 DF

1.29 kN

Solid lightweight concrete brick V6, 2 DF

0.57 kN

Vertically perforated brick HLz 12-0.9, NF

0.57 kN

Perforated sand-lime brick KSL 12, 4 DF

0.71 kN

Cavity block made of lightweight concrete Hbl 10, 12 DF

0.34 kN

Transverse load $V_{Rk,s}$

Steel screw ($\gamma_{Ms} = 1.25$)

7.48 kN

Stainless steel screw ($\gamma_{Ms} = 1.56$)

6.99 kN

Bending moment $M_{Rk,s}$

Steel screw ($\gamma_{Ms} = 1.25$)

14.14 Nm

Stainless steel screw ($\gamma_{Ms} = 1.56$)

13.22 Nm

Compressive strength of aerated concrete [N/mm²] 30 - 50 °C

Aerated concrete $f_b \geq 4$ N/mm²

0.54 kN

Aerated concrete $f_b \geq 5$ N/mm²

0.71 kN

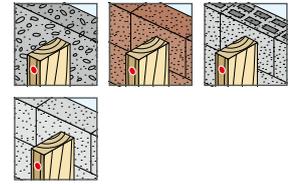
Aerated concrete $f_b \geq 6$ N/mm²

0.89 kN

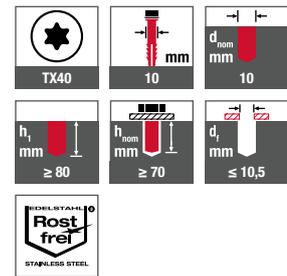
Aerated concrete $f_b \geq 7$ N/mm²

0.89 kN

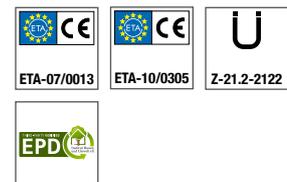
Applications



Technical specifications

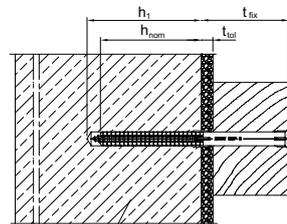


Certifications



Base materials

- Approved for
- > Cracked concrete
 - > Non-cracked concrete
 - > Solid masonry
 - > Hollow and perforated bricks
 - > Aerated concrete



Installation
substrate

Product online



Order description	Length [mm]	Fastening thickness t_{fix} ≤ [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Anchors with steel screws with zinc-plated Cr(VI)-free coating (-V)						
SDF-S-10Hx80-V	80	10	100		8510080420	4061245109145
SDF-S-10Hx100-V	100	30	50		8510100420	4061245019840
SDF-S-10Hx120-V	120	50	50		8510120420	4061245019826
SDF-S-10Hx140-V	140	70	50		8510140420	4061245019802
SDF-S-10Hx160-V	160	90	50		8510160420	4061245019789
SDF-S-10Hx180-V	180	110	50		8510180420	4061245019765
SDF-S-10Hx200-V	200	130	50		8510200420	4061245019741
Anchors with A4 stainless steel screws (-E)						
SDF-S-10Hx80-E	80	10	100		8510080620	4061245019857
SDF-S-10Hx100-E	100	30	50		8510100620	4061245019833
SDF-S-10Hx120-E	120	50	50		8510120620	4061245019819
SDF-S-10Hx140-E	140	70	50		8510140620	4061245019796
SDF-S-10Hx160-E	160	90	50		8510160620	4061245019772
SDF-S-10Hx180-E	180	110	50		8510180620	4061245019758
SDF-S-10Hx200-E	200	130	50		8510200620	4061245019734

Further lengths on
request

