



Flat Roofing

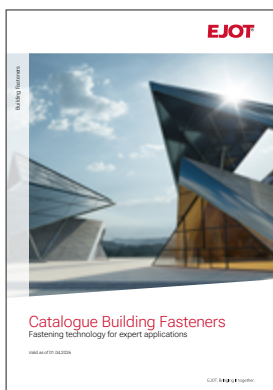
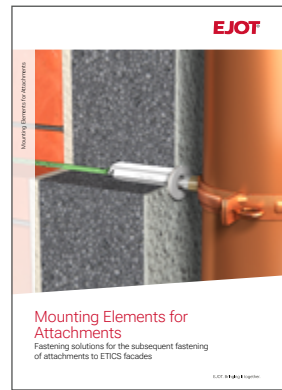
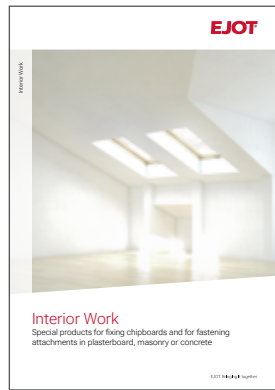
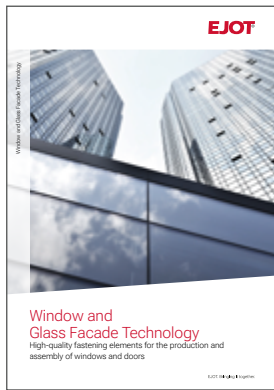
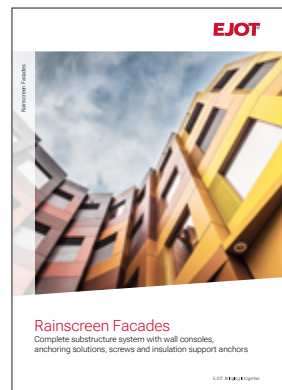
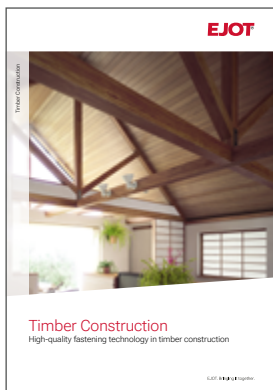
Fasteners and installation tools for the efficient fixing of insulation and waterproofing membrane to flat roofs and slightly sloping roofs

At home in many trades

Overview of our catalogues

Whether for professional applications on building facades or for anchoring solutions of technical facilities inside the building – EJOT offers the right fastening solution for every application.

Besides our comprehensive General Catalogue Building Fasteners, we offer you further catalogues on our business fields in addition to the individual catalogue Flat Roofing. Unlike the printed general catalogue, the individual catalogues are available exclusively in digital form.



General Catalogue Building Fasteners 2025/2026

You can find the current catalogue online as a PDF version.

You can find a digital overview of our catalogues here:



www.ejot.com/catalogues

Product overview

Self-drilling roof screws

DABO®

(Steel, climadur-coated)

SW8-RT-4,8xL	10
TKR-4,8xL	14
TKR-4-4,8xL	17
VHT-R-4,8xL	18

DABO®

(A4 stainless steel + steel)

SW8-ET-4,8xL	12
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Steel, climadur-coated

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Steel, alu-zinc-coated / steel, climadur-coated

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Technical abbreviations

Abbreviation	Description	Unit
d	Thread outer diameter / nominal diameter	mm
d ₀	Nominal drill diameter / drill hole diameter	mm
DC	Drilling capacity	mm
d _{head}	Head diameter	mm
d _{nom}	Effective external diameter	mm
F _{Rk}	Characteristic resistance	kN
h	Component thickness	mm
h ₀	Drill hole depth	mm

Abbreviation	Description	Unit
h _D	Total panel thickness	mm
h _{ef}	Effective embedment depth	mm
h _{nom}	Nominal embedment depth	mm
l	Screw length	mm
l _d	Anchor length	mm
l _g	Thread length	mm
l _s	Sleeve length	mm

Flat roof with waterproof membrane (uninsulated or insulated)

Description

Roof surfaces with a pitch below 5° are flat roofs. They should have a minimum inclination of 2% (DIN 18531 waterproofing of roofs - sealings for non-utilised roofs).

Design

The most common design is the single-sheet, non-ventilated flat roof. Layer design of the non-ventilated flat roof (warm roof):

- > Sealing (if required with separation layer)
- > Thermal insulation
- > Vapour barrier sheeting
- > Structural deck (e.g. trapezoidal steel sheet)

Mechanical fastening

The system of loose laying with mechanical fastening of roof sealings as an economic flat roof system is well established especially in industrial construction. Special positive properties of mechanical fastening are:

- > Immediately usable fastening without waiting time
- > Fastening in one work step
- > Specified type of fastening
- > No restrictions due to building use or surface condition
- > Manual or mechanical installation process

Depending on the flat roof construction and the insulating materials / sealing strips used therein, fasteners with combinations of metal and plastic stress plates are used.

In case of renovations or substrates with unknown load-bearing capacity, on-site pull-out tests must be carried out and recorded according to ETAG 006. Our service team will gladly assist you.

In case of renovations through existing thermally insulated roof constructions, it must be ensured that the intended fasteners are suitable for a multi-layer roof construction and can penetrate it. Combinations with metal stress plates or those with short plastic stress plates are usually suitable for this purpose, and for mineral substrates, flat roof anchors with a slender shank along the entire length. Furthermore, the currently valid flat roof guideline requires the use of stainless steel fasteners for renovations.

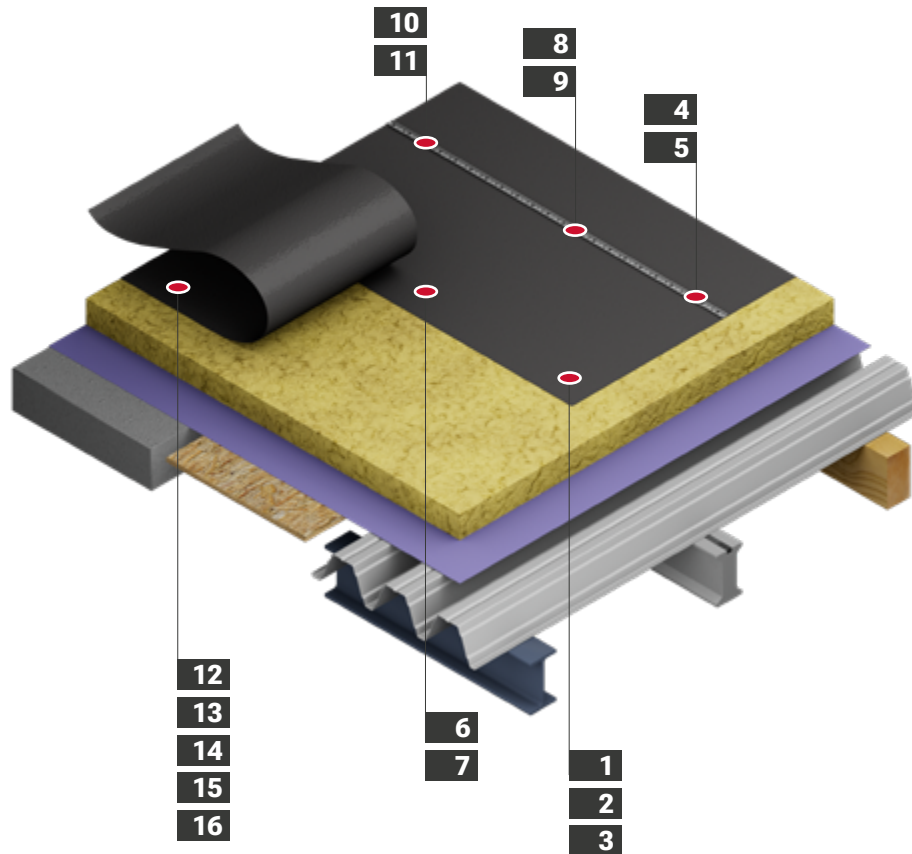
| see pages 6 and 7









For PIR/PUR insulating materials, metal stress plates according to DIN 18234 may be required.









Quantity determination

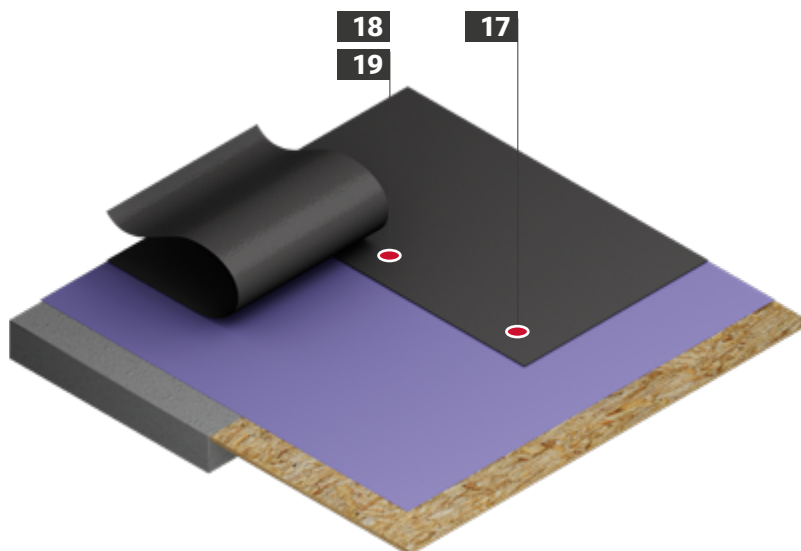
For a rough estimate of the fastener quantity it can be assumed that an average of approx.



4 screws per m² flat roof are required




No.	Application	Product	Page
1	 Waterproofing membrane with insulation to trapezoidal profile	Dabo® screw TKR-4.8xL + HTK 2GxL	10
2	 Waterproofing membrane with insulation to trapezoidal profile	Dabo® screw TKE-4.8xL + HTK 2GxL	12
3	 Waterproofing membrane with slope insulation to trapezoidal profile	Stress plate HTK-2G/ZTR	41
4	 Waterproofing membrane with insulation to trapezoidal profile	Dabo® screw TKR-4.8xL + HTK-S + flat roof profile FP	10
5	 Waterproofing membrane with insulation to trapezoidal profile	Dabo® screw TKE-4.8xL+HTK-S + flat roof profile FP	12
6	 Waterproofing membrane with insulation to roof boarding / OSB	Dabo® screw VHT-R-4.8xL + HTK 2GxL	14
7	 Waterproofing membrane with insulation to roof boarding / OSB	Dabo® screw VHT-E-4.8xL + HTK 2GxL	19
8	 Waterproofing membrane with insulation to roof boarding / OSB	Dabo® screw VHT-R-4.8xL + HTK-S + flat roof profile FP	18

No.	Application	Product	Page
9	 Waterproofing membrane with insulation to roof boarding / OSB	Dabo® screw VHT-E-4.8xL + HTK-S + flat roof profile FP	19
10	 Waterproofing membrane with insulation to aerated concrete	Aerated concrete screw FPS-E-8.0xL + flat roof profile FP	22
11	 Waterproofing membrane with insulation to concrete	Concrete screw FBS-R-6.3xL + flat roof profile FP	20
12	 Waterproofing membrane with insulation to concrete	Concrete screw JBS-R-7.5xL + EcoTek 50xL	21
13	 Waterproofing membrane with insulation to concrete and lightweight concrete	Flat roofing anchor FDD-Plus-50xL-R	42
14	 Waterproofing membrane with insulation to concrete and lightweight concrete	Flat roofing anchor FDD-Plus-50xL-E	44
15	 Waterproofing membrane with insulation to concrete	Concrete screw FBS-R-6.3xL + EcoTek 50xL	20
16	 Waterproofing membrane with insulation to aerated concrete	Aerated concrete screw FPS-E-8.0xL + EcoTek 50x L	22



No.	Application	Product	Page
17	 Waterproofing membrane to roof boarding / OSB boards	Stress plate HTV-RU-40 W	32
18	 Waterproofing membrane to concrete	Concrete screw FBS-R-6.3xL + HTV 82/40 F	20

No.	Application	Product	Page
19	 Waterproofing membrane to aerated concrete	Gas concrete screw FPS-E-8.0xL + HTV 82/40 F	22

Corrosion protection in flat roofs

In standard applications, the minimum requirement in flat roofs is generally the use of corrosion-protected fasteners, this corrosion protection is effective due to the following variants of surface coating.

Minimum requirement for flat roofs:
15 Kesternich cycles according to DIN 50018

Climadur coating

Compared to conventional galvanic zinc platings, the Climadur duplex coating offers a significantly higher corrosion protection. With a resistance of 15 Kesternich cycles (DIN 50018), the Climadur coating meets the requirements for mechanically fastened roof waterproofing systems according to ETAG 006.



Alu-zinc coating

This is an alloy coating that offers significantly more effective corrosion protection than conventional galvanising. Due to the edging, bending and roll forming properties, forming is possible without damaging the coating. This ensures resistance over 15 Kesternich cycles despite forming.

According to current regulations, a corrosion-protected fastener with Climadur or alu-zinc coating is only to be used in flat roofs if it is a new building in application class K1, which is not erected in accordance with VOB (DIN 18336).

Stainless steel fasteners

In the case of separate requirements in accordance with the VOB, in the case of construction work according to application class K2 (DIN 18531) or in the case of roof renovations using existing thermally insulated roof constructions, corrosion resistance in accordance with DIN EN ISO 8044 must be ensured. This requirement is met by A2/A4 stainless steel fasteners or plastic stress plates.



Resistance to imposed loads on flat roofs

What is resistance to imposed loads?

When stepping on the roof surface, damage to the roofing membrane by a protruding screw head is prevented. There are the following options to ensure this resistance to imposed loads:

System effect

It is assumed here that the insulation material is sufficiently pressure-resistant and that it is therefore not possible to press down the stress plate. Since, according to the current flat roof directive, the system effect is not working when using mineral wool insulation, fastening elements which prevent screw head protrusion due to foot traffic must be used.

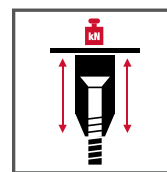
Telescopic effect

Another option to ensure the resistance to imposed loads is the use of fastening elements with telescopic effect. With these combinations, the screw sits deep in the shank of the stress plate, which prevents the screw head from piercing the roofing membrane under a respective load.

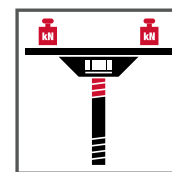
Supporting effect

There are fastening combinations with a so-called supporting effect, which means that there is an additional thread underneath the head of the self-drilling roof screw. This high thread fixes the metal stress plate and thus prevents the plate from being pressed down and the screw head from piercing the roofing membrane.

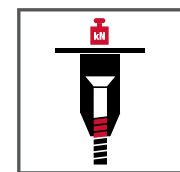
There is another variant of the supporting effect with the metal-plastic combinations, where the self-drilling screw is fixed in the shaft of the plastic stress plate (EcoTek), preventing the stress plate from being pushed down and the screw head from piercing the roofing membrane.



Telescopic effect for resistance to imposed loads























Resistance to imposed loads due to supporting effect metal-metal combination























Resistance to imposed loads due to supporting effect metal-plastic combination

Compatibility

acc. to ETA-07/0013

		Metal stress plates				
		HTV 82/40	HTE 82/40	HTV 82/40 TK	HTV 82/40 F	HTV 40 RU
						
SW8-RT-4.8		•	•		•	
SW8-ET-4.8		•	•		•	
TKR-4.8				•	•	•
TKE-4.8				•	•	•
TKR-4-4.8				•	•	•
VHT-R-4.8				•	•	•
VHT-E-4.8				•	•	•
JT2-ST-2-6.0					•	•
JT3-ST-2-6.0					•	•
JT2-ST-2-6.8					•	•
FBS-R-6.3					•	•
JBS-R-7.5					•	
FPS-E-8.0					•	•
SDF-S-10H-E						
SDP-S-10G-E						

Plastic stress plates				Flat roof profile FP	
HTK 2G 50xL	HTK 2G 75xL	EcoTek 50	HTK-S		
					
				•	 SW8-RT-4.8
				•	 SW8-ET-4.8
•	•	•	•	•	 TKR-4.8
•	•	•	•	•	 TKE-4.8
•	•	•	•	•	 TKR-4-4.8
•	•	•	•	•	 VHT-R-4.8
•	•	•	•	•	 VHT-E-4.8
		•		•	 JT2-ST-2-6.0
		•		•	 JT3-ST-2-6.0
		•		•	 JT2-ST-2-6.8
		•		•	 FBS-R-6.3
		•		•	 JBS-R-7.5
		•		•	 FPS-E-8.0
				•	 SDF-S-10H-E
				•	 SDP-S-10G-E

DABO® screw SW8-RT-4.8



Cross references	Page
Stress plate HTV 82/40	23
Stress plate HTE 82/40	24
Stress plate HTV 82/40 F	26
Flat roof profile FP	28
Socket wrench insert SW8	58

Application range

- > To fix roofing membranes and insulating material to substructures made of sheet steel $\geq 0.70 \text{ mm} \leq 1.5 \text{ mm}$, timber or wood-based material
- > To fix roofing membranes and insulating material to multi-layer roofing
- > For combination with stress plates
- > For new buildings

Characteristics

- > Case-hardened steel
- > High-coating to improve the corrosion protection (15 Kesternich cycles, DIN 50018)
- > High thread for resistance to imposed loads

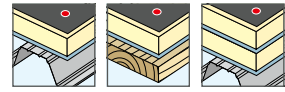
Length determination (minimum lengths)

Sheet steel	Total panel thickness + 20 mm
Timber	Total panel thickness + 30 mm

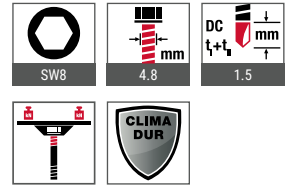


Installation tool ECOSSET
 Rental equipment available
 Article number G000000076

Applications



Technical specifications



Certifications



Compatibility acc. to ETA-07/0013

	HTV 82/40	HTE 82/40	HTV 82/40 TK	HTV 82/40 F	HTV 40 RU	HTK 2G 50xL	HTK 2G 75xL	EcoTek 50	HTK-S	Flat roof profile FP
SW8-RT-4.8	•	•		•						•





Product in the online shop



Order description	Length [mm]	Thread length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
bulk packed						
SW8RT-4.8x80	80	56	250		3477100629	4061245016481
SW8RT-4.8x100	100	56	250		3477300629	4061245016467
SW8RT-4.8x120	120	56	250		3477500629	4061245016443
SW8RT-4.8x140	140	56	250		3477700629	4061245016429
SW8RT-4.8x160	160	56	100		3477900629	4061245016405
SW8RT-4.8x180	180	56	100		3478100629	4061245016382
SW8RT-4.8x200	200	56	100		3478300629	4061245016368
SW8RT-4.8x220	220	56	100		3478400629	4061245016344
SW8RT-4.8x240	240	56	100		3478600629	4061245016320
SW8RT-4.8x260	260	56	100		3478800629	4061245016306
SW8RT-4.8x280	280	56	100		3479000629	3479000629
SW8RT-4.8x300	300	56	100		3479200629	4061245056678

Product in the online shop



Order description	Length [mm]	Thread length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
belted						
SW8RT-4.8x80 belted	80	56	750		3477101629	4061245016474
SW8RT-4.8x100 belted	100	56	750		3477301629	4061245016450
SW8RT-4.8x120 belted	120	56	750		3477501629	4061245016436
SW8RT-4.8x140 belted	140	56	750		3477701629	4061245016412
SW8RT-4.8x160 belted	160	56	750		3477901629	4061245016399
SW8RT-4.8x180 belted	180	56	750		3478101629	4061245016375
SW8RT-4.8x200 belted	200	56	750		3478301629	4061245016351
SW8RT-4.8x220 belted	220	56	750		3478401629	4061245016337
SW8RT-4.8x240 belted	240	56	750		3478601629	4061245016313
SW8RT-4.8x260 belted	260	56	750		3478801629	4061245083902

DABO® screw SW8 RT-4.8



Application range

- > To fix roofing membranes and insulating material to substructures made of sheet steel $\geq 0.70 \text{ mm} \leq 1.5 \text{ mm}$, timber or wood-based material
- > To fix roofing membranes and insulating material to multi-layer roofing
- > For combination with stress plates
- > For new buildings and renovations

Characteristics

- > A4 stainless steel with hardened steel drill point
- > High thread for resistance to imposed loads

Length determination (minimum lengths)

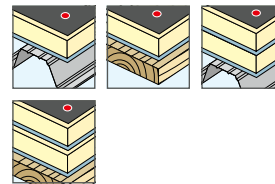
Sheet steel	Total panel thickness + 20 mm
Timber	Total panel thickness + 30 mm

Cross references	Page
Stress plate HTV 82/40	23
Stress plate HTE 82/40	24
Flat roof profile FP	28
Socket wrench insert SW8	58

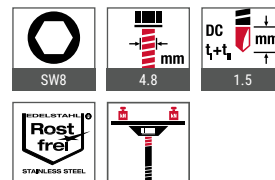


Installation tool ECOSSET
Rental equipment available
Article number G000000076

Applications



Technical specifications



Certifications



Meets the requirements of the VOB in accordance with DIN 18336 and the flat roof guidelines when fastening through existing thermally insulated roof structures with regard to corrosion resistance in combination with the stress plate HTE 82/40.

Compatibility acc. to ETA-07/0013

	HTV 82/40	HTE 82/40	HTV 82/40 TK	HTV 82/40 F	HTV 40 RU	HTK 2G 50xL	HTK 2G 75xL	EcoTek 50	HTK-S	Flat roof profile FP
SW8-ET-4.8	•	•		•						•





Product in the online shop



Order description	Length [mm]	Thread length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
bulk packed						
SW8ET-4.8x100	100	56	250		3439100649	4061245062204
SW8ET-4.8x120	120	56	250		3439120649	4061245062211
SW8ET-4.8x140	140	56	250		3439140649	4061245062235
SW8ET-4.8x160	160	56	100		3439160649	4061245016535
SW8ET-4.8x180	180	56	100		3439180649	4061245020730
SW8ET-4.8x200	200	56	100		3439200649	4061245016511
SW8ET-4.8x220	220	56	100		3439220649	4061245020716
SW8ET-4.8x240	240	56	100		3439240649	4061245016498
SW8ET-4.8x260	260	56	100		3439260649	4061245020693

Product in the online shop



Order description	Length [mm]	Thread length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
belted						
SW8ET-4.8x100 belted	100	56	750		3439100629	4061245061917
SW8ET-4.8x120 belted	120	56	750		3439120629	4061245061924
SW8ET-4.8x140 belted	140	56	750		3439140629	4061245020761
SW8ET-4.8x160 belted	160	56	750		3439160629	4061245016542
SW8ET-4.8x180 belted	180	56	750		3439180629	4061245020747
SW8ET-4.8x200 belted	200	56	750		3439200629	4061245016528
SW8ET-4.8x220 belted	220	56	750		3439220629	4061245020723
SW8ET-4.8x240 belted	240	56	750		3439240629	4061245016504
SW8ET-4.8x260 belted	260	56	750		3439260629	4061245020709

DABO® screw TKR-4.8



Application range

- > To fix roofing membranes and insulating material to substructures made of sheet steel ≥ 0.70 mm ≤ 1.5 mm, timber or wood-based material
- > For combination with stress plates
- > For new buildings

Characteristics

- > Case-hardened steel
- > High-coating to improve the corrosion protection (15 Kesternich cycles, DIN 50018)
- > Can be delivered belted for installation tool EOCSET or pre-assembled and belted with stress plate HTK-2G for installation tool ECOSET HTK.
- > With bugle head

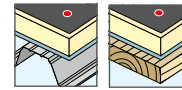
Length determination (minimum lengths)

Sheet steel	Total panel thickness + 20 mm
Timber	Total panel thickness + 30 mm

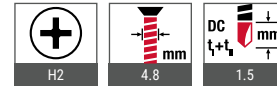
Cross references

Cross references	Page
Stress plate HTV 82/40 TK	25
Stress plate HTV 82/40 F	26
Stress plate HTV 40 RU	27
Flat roof profile FP	28
Stress plate HTK-S	29
Stress plate HTK-2G 50	30
Stress plate EcoTek 50	31
Bit cross recess	54

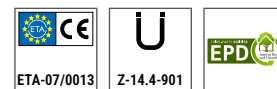
Applications



Technical specifications



Certifications



Installation tool ECOSET
Rental equipment available
Article number G000000076



Installation tool ECOset HTK
Rental equipment available
Article number G000000072

Assembly instruction



Compatibility acc. to ETA-07/0013

	HTV 82/40	HTE 82/40	HTV 82/40 TK	HTV 82/40 F	HTV 40 RU	HTK 2G 50xL	HTK 2G 75xL	EcoTek 50	HTK-S	Flat roof profile FP
TKR-4.8		





Product in the online shop



Order description	Length [mm]	Thread length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
TKR-4.8x35	35	35	500		6496700629	4061245045450
TKR-4.8x50	50	50	500		6496800629	4061245045467
TKR-4.8x60	60	56	500		6496900629	4061245045474
TKR-4.8x70	70	56	500		6497000629	4061245045481
TKR-4.8x80	80	56	250		6497100629	4061245045498
TKR-4.8x90	90	56	250		6497200629	4061245045504
TKR-4.8x100	100	56	250		6497300629	4061245045511
TKR-4.8x110	110	56	250		6497400629	4061245045528
TKR-4.8x120	120	56	250		6497500629	4061245045535
TKR-4.8x140	140	56	250		6497700629	4061245045542
TKR-4.8x160	160	56	100		6497900629	4061245045559
TKR-4.8x180	180	56	100		6498100629	4061245045566
TKR-4.8x200	200	56	100		6498300629	4061245045573
TKR-4.8x220	220	56	100		6498400629	4061245045580
TKR-4.8x240	240	56	100		6498600629	4061245070803
TKR-4.8x260	260	56	100		6498800629	4061245045603
TKR-4.8x280	280	56	100		6498900629	4061245045610
TKR-4.8x300	300	56	100		6499000629	4061245045627

DABO® screw TKE-4.8



Application range

- > To fix roofing membranes and insulating material to substructures made of sheet steel ≥ 0.70 mm ≤ 1.5 mm, timber or wood-based material
- > For new buildings and renovations
- > For combination with stress plates

Characteristics

- > A4 stainless steel with hardened steel drill point
- > Can be delivered belted for installation tool EOCSET or pre-assembled and belted with stress plate HTK-2G for installation tool ECOSET HTK.
- > With bugle head

Length determination (minimum lengths)

Sheet steel	Total panel thickness + 20 mm
Timber	Total panel thickness + 30 mm

Cross references

Cross references	Page
Stress plate HTV 82/40 TK	25
Stress plate HTV 82/40 F	26
Stress plate HTV 40 RU	27
Flat roof profile FP	28
Stress plate HTK-S	29
Stress plate HTK-2G 50	30
Stress plate EcoTek 50	31
Bit cross recess	54

Assembly instruction



Product in the online shop

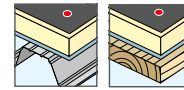


Installation tool EOCSET
Rental equipment available
Article number G000000076

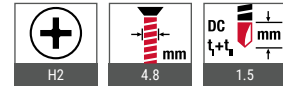


Installation tool ECOset HTK
Rental equipment available
Article number G000000072

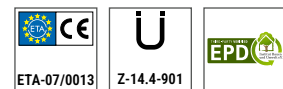
Applications



Technical specifications



Certifications



Meets the requirements of the VOB in accordance with DIN 18336 and the flat roof guidelines when fastening through existing thermally insulated roof structures with regard to corrosion resistance in combination with the stress plates HTK 2G, HTK S, EcoTek

Order description	Length [mm]	Thread length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
TKE-4.8x50	50	50	500		7384108301	4061245014067
TKE-4.8x60	60	56	500		7384109301	4061245011752
TKE-4.8x70	70	56	500		7384110301	4061245011745
TKE-4.8x80	80	56	250		7384111301	4061245011738
TKE-4.8x90	90	56	250		7384112301	4061245011721
TKE-4.8x100	100	56	250		7384113301	4061245011714
TKE-4.8x120	120	56	250		7384132301	4061245011691
TKE-4.8x140	140	56	250		7384125301	4061245011707
TKE-4.8x160	160	56	100		7384198301	4061245011684
TKE-4.8x180	180	56	100		7384202301	4061245011677
TKE-4.8x200	200	56	100		7384203301	4061245011660

Compatibility acc. to ETA-07/0013

	HTV 82/40	HTE 82/40	HTV 82/40 TK	HTV 82/40 F	HTV 40 RU	HTK 2G 50xL	HTK 2G 75xL	EcoTek 50	HTK-S	Flat roof profile FP
TKE-4.8		

DABO® screw TKR-4-4.8



Application range

- > To secure roofing membrane and insulating material to sheet steel substructures $\geq 1.5 \text{ mm} \leq 4.0 \text{ mm}$
- > For combination with stress plates
- > For new buildings

Characteristics

- > Case-hardened steel
- > With bugle head
- > High-coating to improve the corrosion protection (15 Kesternich cycles, DIN 50018)
- > Can be delivered belted for installation tool EOCSET or pre-assembled and belted with stress plate HTK-2G for installation tool ECOSET HTK.

Length determination (minimum lengths)

Sheet steel	Total panel thickness + 20 mm
Timber	Total panel thickness + 30 mm

Cross references	Page
Stress plate HTV 82/40 TK	25
Stress plate HTV 82/40 F	26
Stress plate HTV 40 RU	27
Flat roof profile FP	28
Stress plate HTK-S	29
Stress plate HTK-2G 50	30
Stress plate EcoTek 50	31
Bit cross recess	54



Installation tool EOCSET
Rental equipment available
Article number G000000076

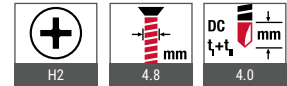


Installation tool ECOset HTK
Rental equipment available
Article number G000000072

Applications



Technical specifications



Certifications



Assembly instruction



Product in the online shop



Order description	Length [mm]	Thread length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
TKR-4-4.8x70	70	56	500		3438070639	4061245012438
TKR-4-4.8x90	90	56	500		3438090639	4061245012421
TKR-4-4.8x110	110	56	250		3438110639	4061245012414

Compatibility acc. to ETA-07/0013

	HTV 82/40	HTE 82/40	HTV 82/40 TK	HTV 82/40 F	HTV 40 RU	HTK 2G 50xL	HTK 2G 75xL	EcoTek 50	HTK-S	Flat roof profile FP
TKR-4-4.8			•	•	•	•	•	•	•	•

DABO® screw VHT-R-4.8



Cross references	Page
Stress plate HTV 82/40 TK	25
Stress plate HTV 82/40 F	26
Stress plate HTV 40 RU	27
Flat roof profile FP	28
Stress plate HTK-S	29
Stress plate HTK-2G 50	30
Stress plate EcoTek 50	31
Bit cross recess	54

Assembly instruction



Product in the online shop



Application range

- > To fix roofing membranes and insulating material to substructures made of sheet steel ≥ 0.45 mm ≤ 0.80 mm, timber or wood-based material
- > For new buildings
- > For combination with stress plates

Characteristics

- > Case-hardened steel
- > With bugle head
- > High-coating to improve the corrosion protection (15 Kesternich cycles, DIN 50018)
- > Can be delivered belted for installation tool EOCSET or pre-assembled with stress plate HTK-2G for installation tool ECOSSET HTK.

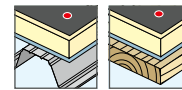
Notice

For thicker and/or two-ply sheet steel we recommend use of the EJOT DABO® screw TKR-4.8.

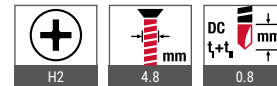
Length determination (minimum lengths)

Sheet steel	Total panel thickness + 20 mm
Timber	Total panel thickness + 30 mm

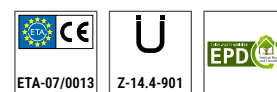
Applications



Technical specifications



Certifications



Installation tools
Rental equipment available

Order description	Length [mm]	Thread length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
VHT-R-4.8x35	35	35	500		3496700609	4061245012360
VHT-R-4.8x50	50	50	500		3496800609	4061245012353
VHT-R-4.8x60	60	60	500		3496900609	4061245012346
VHT-R-4.8x70	70	60	500		3497000609	4061245012339
VHT-R-4.8x80	80	60	250		3497100609	4061245012322
VHT-R-4.8x90	90	60	250		3497200609	4061245012315
VHT-R-4.8x100	100	60	250		3497300609	4061245012308
VHT-R-4.8x120	120	60	250		3497500609	4061245012285
VHT-R-4.8x140	140	60	250		3497700609	4061245012278
VHT-R-4.8x160	160	60	100		3497900609	4061245012261
VHT-R-4.8x180	180	60	100		3498100609	4061245012247
VHT-R-4.8x200	200	60	100		3498300609	4061245012230

Compatibility acc. to ETA-07/0013

	HTV 82/40	HTE 82/40	HTV 82/40 TK	HTV 82/40 F	HTV 40 RU	HTK 2G 50xL	HTK 2G 75xL	EcoTek 50	HTK-S	Flat roof profile FP
VHT-R-4.8		

DABO® screw VHT-E-4.8



Cross references	Page
Stress plate HTV 82/40 TK	25
Stress plate HTV 82/40 F	26
Stress plate HTV 40 RU	27
Flat roof profile FP	28
Stress plate HTK-S	29
Stress plate HTK-2G 50	30
Stress plate EcoTek 50	31
Bit cross recess	54

Application range

- > To fix roofing membranes and insulating material to substructures made of sheet steel ≥ 0.45 mm ≤ 0.80 mm, aluminium sheet 0.8mm /1.0mm/1.2mm, timber or wood-based material
- > For new buildings and renovations (observe layer design)
- > For combination with stress plates

Characteristics

- > A4 stainless steel with hardened steel point
- > Can be delivered belted for EOCSET or pre-assembled and belted with stress plate HTK-2G for installation tool ECOSET HTK
- > With bugle head

Notice

For thicker and/or two-ply sheet steel we recommend use of the EJOT DABO® screw TKE-4.8.

Length determination (minimum lengths)

Sheet steel	Total panel thickness + 20 mm
Timber	Total panel thickness + 30 mm

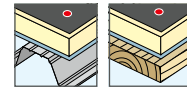


Installation tool ECOSET
Rental equipment available
Article number G000000076

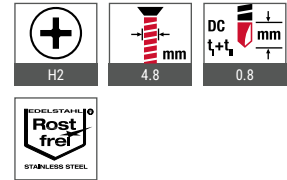


Installation tool ECOset HTK
Rental equipment available
Article number G000000072

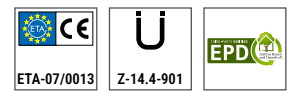
Applications



Technical specifications



Certifications



Meets the requirements of the VOB in accordance with DIN 18336 and the flat roof guidelines when fastening through existing thermally insulated roof structures with regard to corrosion resistance in combination with the stress plates HTK 2G, HTK S, EcoTek

Assembly instruction



Product in the online shop



Order description	Length [mm]	Thread length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
VHTE-4.8x100	100	100	250		3497300610	4061245012292
VHTE-4.8x160	160	100	100		3497900610	4061245012254

Compatibility acc. to ETA-07/0013

	HTV 82/40	HTE 82/40	HTV 82/40 TK	HTV 82/40 F	HTV 40 RU	HTK 2G 50xL	HTK 2G 75xL	EcoTek 50	HTK-S	Flat roof profile FP
VHT-E-4.8			•	•	•	•	•	•	•	•

Concrete screws FBS-R-6.3



Cross references	Page
Stress plate HTV 82/40 F	26
Stress plate HTV 40 RU	27
Flat roof profile FP	28
Stress plate EcoTek 50	31
Hammer drill SDS plus®	50
Bit hexalobular TX30	51
Bit extension	56

Assembly instruction



Product in the online shop



Application range

- > To fix roofing membranes and insulating material to concrete substructures
- > For combination with stress plates

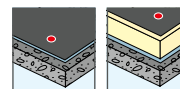
Characteristics

- > Case-hardened steel
- > High-coating to improve the corrosion protection (15 Kesternich cycles, DIN 50018)

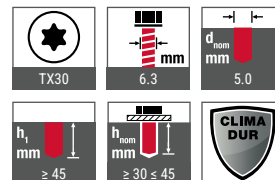
Possible combinations with EcoTek total panel thickness [mm]

FBS-R-6.3xL	Stress plate EcoTek-50xL									
	35	65	85	105	135	165	195	225	275	335
60	50	80	100	120	150	180	210	240	290	350
80	70	100	120	140	170	200	230	260	310	370
100	90	120	140	160	190	220	250	280	330	390
120	110	140	160	180	210	240	270	300	350	410
140	130	160	180	200	230	260	290	320	370	430
160	150	180	200	220	250	280	310	340	390	450
180	170	200	220	240	270	300	330	360	410	470
220	210	240	260	280	310	340	370	400	450	510
260	250	280	300	320	350	380	410	440	490	550
300	290	320	340	360	390	420	450	480	530	590

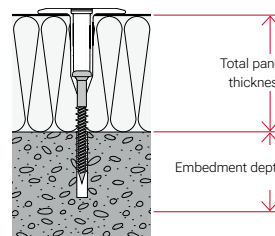
Applications



Technical specifications



Certifications



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
FBS-R-6.3x35	35	500		5763035512	4061245011868
FBS-R-6.3x60	60	500		5763060512	4061245011851

Further lengths on request



Compatibility acc. to ETA-07/0013

	HTV 82/40	HTE 82/40	HTV 82/40 TK	HTV 82/40 F	HTV 40 RU	HTK 2G 50xL	HTK 2G 75xL	EcoTek 50	HTK-S	Flat roof profile FP
FBS-R 6.3										

Concrete screw JBS-R-7.5



Cross references	Page
Stress plate EcoTek 50	31
Hammer drill SDS plus®	50
Bit hexalobular TX30	51
Bit extension	56

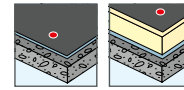
Application range

- > To fix roofing membranes and insulating material to concrete substructures
- > For combination with stress plate EcoTek 50

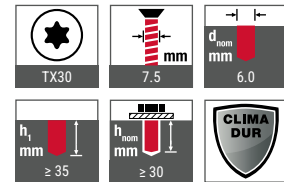
Characteristics

- > Case-hardened steel
- > High-coating to improve the corrosion protection (15 Kesternich cycles, DIN 50018)

Applications



Technical specifications



Certifications



Assembly instruction



Product in the online shop



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JBS-R 7.5x80	80	100		2231080609	4061245020884
JBS-R 7.5x120	120	100		2231120609	4061245020877
JBS-R 7.5x150	150	100		2231150609	4061245020860
JBS-R 7.5x210	210	100		2231210609	4061245020853
JBS-R 7.5x300	300	100		2231300609	4061245062501

Compatibility acc. to ETA-07/0013

HTV 82/40	HTE 82/40	HTV 82/40 TK	HTV 82/40 F	HTV 40 RU	HTK 2G 50xL	HTK 2G 75xL	EcoTek 50	HTK-S	Flat roof profile FP
JBS-R-7.5									

Gas concrete screw FPS-E-8.0



Application range

- > To fix roofing membranes and insulating material to aerated concrete substructures
- > For combination with stress plates

Characteristics

- > A2 stainless steel
- > Approved for AAC 3.5-500 aerated concrete onwards
- > No pre-drilling

Notice

Pull-out tests have to be arranged with the service team for all renovation cases.

Cross references

Cross references	Page
Stress plate HTV 82/40 F	26
Stress plate HTV 40 RU	27
Flat roof profile FP	28
Stress plate EcoTek 50	31
Bit hexalobular TX30	51
Bit extension	56

Assembly instruction



Product in the online shop

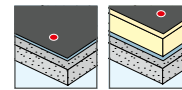


Possible combinations with EcoTek

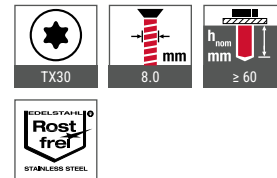
Total panel thickness [mm]

FPS-E-8.0 x L	Stress plate EcoTek-50xL									
	35	65	85	105	135	165	195	225	275	335
100	60	90	110	130	160	190	220	250	300	360
120	80	110	130	150	180	210	240	270	320	380
140	100	130	150	170	200	230	260	290	340	400
160	120	150	170	190	220	250	280	310	360	420
180	140	170	190	210	240	270	300	330	380	440
200	160	190	210	230	260	290	320	350	400	460
220	180	210	230	250	280	310	340	370	420	480
240	200	230	250	270	300	330	360	390	440	500
260	220	250	270	290	320	350	380	410	460	520
280	240	270	290	310	340	370	400	430	480	540
300	260	290	310	330	360	390	420	450	500	560

Applications



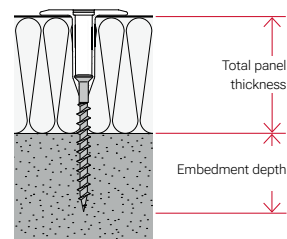
Technical specifications



Certifications



Meets the requirements of the VOB in accordance with DIN 18336 and the flat roof guidelines when fastening through existing thermally insulated roof structures with regard to corrosion resistance in combination with the stress plate HTE EcoTek.



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
FPS-E-8.0x80	80	100		5580080310	4061245011981
FPS-E-8.0x100	100	100		5580100310	4061245011974
FPS-E-8.0x120	120	100		5580120310	4061245011967
FPS-E-8.0x140	140	100		5580140310	4061245011950
FPS-E-8.0x160	160	100		5580160310	4061245011943
FPS-E-8.0x180	180	100		5580180310	4061245011936
FPS-E-8.0x200	200	100		5580200310	4061245011929
FPS-E-8.0x220	220	100		5580220310	4061245011912

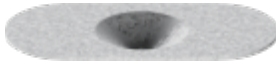
Further lengths on request



Compatibility acc. to ETA-07/0013

	HTV 82/40	HTE 82/40	HTV 82/40 TK	HTV 82/40 F	HTV 40 RU	HTK 2G 50xL	HTK 2G 75xL	EcoTek 50	HTK-S	Flat roof profile FP
FPS-E 8.0										

Stress plate HTV-82/40



Cross references	Page
DABO® SW8-RT-4,8	10
DABO® SW8-ET-4,8	12

Application range

- > To fix roofing membranes and insulating material to substructures made of trapezoidal steel profiles, timber and wood-based materials
- > To fix roofing membranes and insulating material to multi-layer roofing
- > For new buildings
- > For installation with ECOSET tools
- > For manual installation

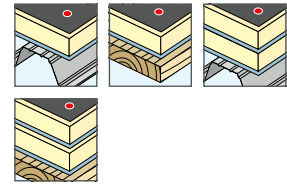
Characteristics

- > Alu-zinc-coated steel

Notice

For combination with EJOT DABO® screws.

Applications



Certifications



Installation tool ECOSET
Rental equipment available
Article number G000000076

In a functional plastic box

Product in the online shop

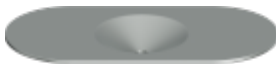


Order description	Width [mm]	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
HTV 82/40	40	82	500		3020095401	4061245012483

Compatibility acc. to ETA-07/0013

HTV 82/40	SW 8 RT-4.8	SW 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	VHFR-4.8	VHFE-4.8	JT2-ST-2-6.0	JT2-ST-2-6.8	JT3-ST-2-6.0	FBS-R-6.3	JBS-R-7.5	FPS-E-8.0	SDF-S-10H-E	SDP-S-10G-E
	•	•													

Stress plate HTE-82/40



Cross references	Page
DABO® SW8-RT-4,8	10
DABO® SW8-ET-4,8	12

Application range

- > To fix roofing membranes and insulating material to substructures made of trapezoidal steel profiles, timber and wood-based materials
- > To fix roofing membranes and insulating material to multi-layer roofing
- > For new buildings and renovations
- > For installation with ECOSET tools
- > For manual installation

Characteristics

- > Stainless steel

Notice

For combination with EJOT DABO® screws.

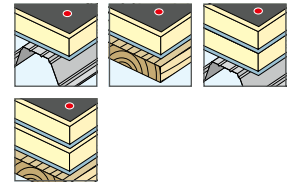


Installation tool ECOSET
Rental equipment available
Article number G000000076



In a functional plastic box

Applications



Technical specifications



Certifications



Meets the requirements of the VOB in accordance with DIN 18336 and the flat roof guidelines when fastening through existing thermally insulated roof structures with regard to corrosion resistance in combination with DABO® screw SW8-ET

Product in the online shop



Order description	Width [mm]	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
HTE 82/40	40	82	500		3020095300	4061245012490

Compatibility acc. to ETA-07/0013

	SW 8 RT-4.8	SW 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	VHFR-4.8	VHFE-4.8	JT2-ST-2-6.0	JT2-ST-2-6.8	JT3-ST-2-6.0	FBS-R-6.3	JBS-R-7.5	FPS-E-8.0	SDF-S-10HE	SDP-S-10GE
HTE 82/40	•	•													

Stress plate HTV-82/40 TK



Cross references	Page
DABO® SW8-RT-4,8	10
DABO® SW8-ET-4,8	12
DABO® TKR-4-4,8	17
DABO® VHT-R-4,8	18
DABO® VHT-E-4,8	19

Application range

- > To fix roofing membranes and insulating material to substructures made of trapezoidal steel profiles, timber and wood-based materials
- > For installation with ECOSET tools
- > For manual installation
- > For new buildings

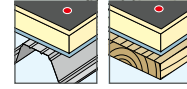
Characteristics

- > Alu-zinc-coated steel

Notice

For combination with EJOT DABO® screws.

Applications



Certifications



Installation tool ECOSET
Rental equipment available
Article number G000000076



In a functional plastic box

Product in the online shop



Order description	Width [mm]	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
HTV-82/40-TK	40	82	500		3020098401	4061245012476

Compatibility acc. to ETA-07/0013

HTV 82/40 TK	SW 8 RT-4.8	SW 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	VHTR-4.8	VHTE-4.8	JT2-ST2-6.0	JT2-ST2-6.8	JT3-ST2-6.0	FBS-R-6.3	JBS-R-7.5	FPS-E-8.0	SDF-S-10H-E	SDP-S-10G-E
			•	•	•	•	•								

Stress plate HTV-82/40 F



Cross references	Page
DABO® SW8-RT-4,8	10
DABO® TKR-4,8	14
DABO® TKE-4,8	16
DABO® TKR-4-4,8	17
DABO® VHT-R-4,8	18
DABO® VHT-E-4,8	19
Concrete screw FBS-R	20
Gas concrete screw FPS-E	22

Application range

- > To fix roofing membrane insulating material to substructures made of timber, wood-based materials, concrete and aerated concrete
- > For fixings on solid substrate without heat insulation
- > For manual installation

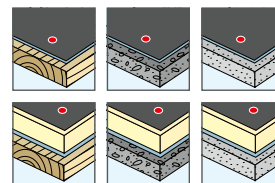
Characteristics

- > Alu-zinc-coated steel

Notice

Compatible with EJOT DABO® screws / with concrete and aerated concrete screws

Applications



Certifications



Product in the online shop



Order description	Width [mm]	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
HTV -82/40 F	40	82	500		3020093401	4061245012506

Compatibility acc. to ETA-07/0013

HTV 82/40 F	SW 8 RT-4.8	SW 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	VHTR-4.8	VHTE-4.8	JT2-ST2-6.0	JT2-ST2-6.8	JT3-ST2-6.0	FBS-R-6.3	JBS-R-7.5	FPS-E-8.0	SDF-S-10H-E	SDP-S-10G-E
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Stress plate HTV-40 RU



Cross references	Page
DABO® TKR-4,8	14
DABO® TKE-4,8	16
DABO® TKR-4-4,8	17
DABO® VHT-R-4,8	18
DABO® VHT-E-4,8	19
Concrete screw FBS-R	20
Gas concrete screw FPS-E	22

Application range

- > To fix roofing membranes and to fasten pressure-resistant insulation to substructures made of trapezoidal steel profiles, timber, wood-based materials, concrete and aerated concrete
- > For fixings on solid substrate without heat insulation
- > For manual installation

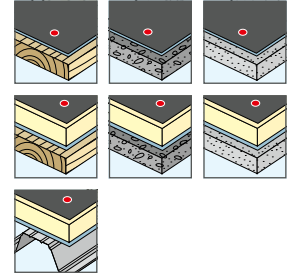
Characteristics

- > Alu-zinc-coated steel

Notice

Compatible with EJOT DABO® screws / with concrete and aerated concrete screws

Applications



Certifications



Product in the online shop

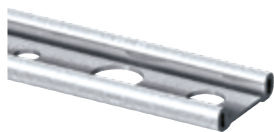


Order description	Diameter [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
HTV-40 RU	40	500		3020041401	4061245101309

Compatibility acc. to ETA-07/0013

HTV 40 RU	SW 8 RT-4.8	SW 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	VHTR-4.8	VHTE-4.8	JT2-ST-2-6.0	JT2-ST-2-6.8	JT3-ST-2-6.0	FBS-R-6.3	JBS-R-7.5	FPS-E-8.0	SDF-S-10H-E	SDP-S-10G-E
			•	•	•	•	•	•	•	•	•	•	•	•	•

Flat roof profile FP



Cross references	Page
DABO® SW8-RT-4,8	10
DABO® SW8-ET-4,8	12
DABO® TKR-4,8	14
DABO® TKE-4,8	16
DABO® TKR-4-4,8	17
DABO® VHT-R-4,8	18
DABO® VHT-E-4,8	19
Concrete screw FBS-R	20
Gas concrete screw FPS-E	22
Stress plate HTK-S	29

Application range

- > To fix roofing membrane and insulating material to substructures made of concrete, aerated concrete, steel, aluminium trapezoidal profile, timber and wood-based materials.
- > For structural fastening of the edges
- > For fastening the edges of roofing membranes on wall connections and roof edges

Characteristics

- > Alu-zinc-coated steel
- > Metal rail fastening system
- > Easy processing
- > 3 different hole diameters combined in one profile
- > Flexible application possibilities

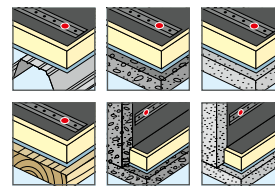
Notice

For combination with EJOT DABO® screws, stress plate HTK-S, concrete and aerated concrete screws and self-drilling screws. For combination with facade anchors according to ETA-10/0305.

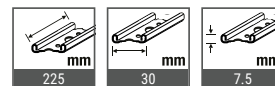
Technical specifications

Material thickness	1.5 mm
Hole diameter for stress plate HTK-S	14.5 mm
Hole diameter for facade anchors	10.5 mm
Hole diameter for screws	7.0 mm

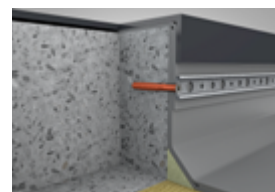
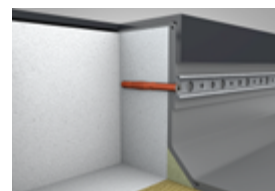
Applications



Technical specifications



Certifications



For an approved application in the area of wall connections on the roof parapet (concrete and aerated concrete)

Product in the online shop



Order description	Length [m]	Width [mm]	PU [m]	Price/m [EUR]	Article number	EAN
EJOT FP FLD profile	2.25	30	27		7999001886	4061245011653

Compatibility acc. to ETA-07/0013

Flat roof profile FP	SW 8 RT-4.8	SW 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	VHTR-4.8	VHTE-4.8	JT2-ST-2-6.0	JT2-ST-2-6.8	JT3-ST-2-6.0	FBS-R-6.3	JBS-R-7.5	FPS-E-8.0	SDF-S-10HE	SDP-S-10GE
	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Stress plate HTK-S



Cross references	Page
DABO® TKR-4,8	14
DABO® TKE-4,8	16
DABO® TKR-4-4,8	17
DABO® VHT-R-4,8	18
DABO® VHT-E-4,8	19
Bit extension with spring pin	57
Hip belt flat roof	59

Application range

- > To fix roofing membranes and insulating material to substructures made of steel, trapezoidal aluminium profile, timber and wood-based material in combination with flat roof profile FP
- > To reduce thermal bridges
- > For special requirements of resistance to imposed loads

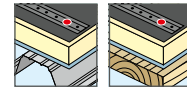
Characteristics

- > High-plastic material
- > Telescope design for resistance to imposed loads

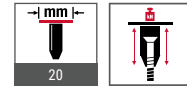
Notice

For combination with EJOT DABO® screws

Applications



Technical specifications



Certifications



Meets the requirements of the VOB in accordance with DIN 18336 and the flat roof guidelines when fastening through existing thermally insulated roof structures with regard to corrosion resistance.

Product in the online shop



Order description	Effective Shaft length L [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
HTK-S-20x90	90	150		8598090010	4061245011110
HTK-S-20x140	140	150		8598140010	4061245011103

Compatibility acc. to ETA-07/0013

HTK-S	SW 8 RT-4.8	SW 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	VHTR-4.8	VHTE-4.8	JT2-ST-2-6.0	JT2-ST-2-6.8	JT3-ST-2-6.0	FBS-R-6.3	JBS-R-7.5	FPS-E-8.0	SDF-S-10HE	SDP-S-10GE
			•	•	•	•	•								

Stress plate HTK-2G 50



Cross references	Page
DABO® TKR-4,8	14
DABO® TKE-4,8	16
DABO® TKR-4-4,8	17
DABO® VHT-R-4,8	18
DABO® VHT-E-4,8	19
Bit extension with spring pin	57
Hip belt flat roof	59

Meets the requirements of the VOB in accordance with DIN 18336 and the flat roof guidelines when fastening through existing thermally insulated roof structures with regard to corrosion resistance.

Assembly instruction



Product in the online shop



Application range

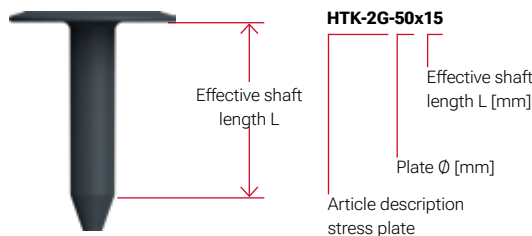
- > To fix roofing membranes and insulating material to substructures made of trapezoidal steel profiles, timber and wood-based materials
- > For new buildings and renovations
- > For special requirements of resistance to imposed loads
- > To reduce thermal bridges
- > For installation with ECOSET HTK tools (length 35-145 mm)

Characteristics

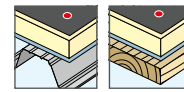
- > High-plastic material
- > Telescope design for resistance to imposed loads
- > For total construction heights up to 605 mm
- > Available loosely pre-assembled or collated

Notice

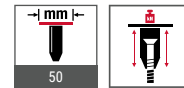
For combination with EJOT DABO® screws



Applications



Technical specifications



Certifications



Installation tool ECOset HTK
Rental equipment available
Article number G000000072

Order description	Effective shaft length L [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
HTK-2G-50x15	15	3000		8587015070	4061245011318
HTK-2G-50x35	35	1800		8587035070	4061245011301
HTK-2G-50x55	55	1500		8587055070	4061245011295
HTK-2G-50x95	95	800		8587095070	4061245011288
HTK-2G-50x115	115	800		8587115070	4061245011271
HTK-2G-50x145	145	600		8587145070	4061245011264
HTK-2G-50x185	185	400		8587185070	4061245011257
HTK-2G-50x225	225	300		8587225070	4061245011240
HTK-2G-50x275	275	300		8587275070	4061245011233
HTK-2G-50x325	325	250		8587325070	4061245011226

Order information: On request also available with loosely pre-assembled EJOT DABO® screws (TKR, TKE, VHT-R, VHT-E)

Compatibility acc. to ETA-07/0013

HTK 2G 50xL	SW 8 RT-4.8	SW 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	VHTR-4.8	VHTE-4.8	JT2-ST-2-6.0	JT2-ST-2-6.8	JT3-ST-2-6.0	FBS-R-6.3	JBS-R-7.5	FPS-E-8.0	SDF-S-10H-E	SDP-S-10G-E

Stress plate EcoTek 50



Cross references	Page
DABO® TKR-4,8	14
DABO® TKE-4,8	16
DABO® TKR-4-4,8	17
DABO® VHT-R-4,8	18
DABO® VHT-E-4,8	19
Concrete screw FBS-R	20
Gas concrete screw FPS-E	22
Bit extension with spring pin	57

Application range

- > To fix roofing membranes and insulating material to substructures made of concrete, aerated concrete, trapezoidal steel profiles, timber and wood-based materials
- > For special requirements of resistance to imposed loads
- > To reduce thermal bridges
- > For new buildings and renovations

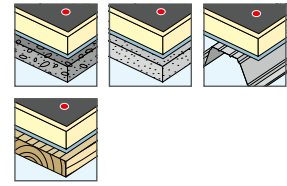
Characteristics

- > High-plastic material
- > Telescope design for resistance to imposed loads (even with soft insulating materials)
- > For total panel thicknesses up to 590 mm (with FBS-R and JBS-R) and up to 605 mm (with TKR)

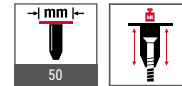
Notice

Compatible with EJOT DABO® screws / with concrete and aerated concrete screws

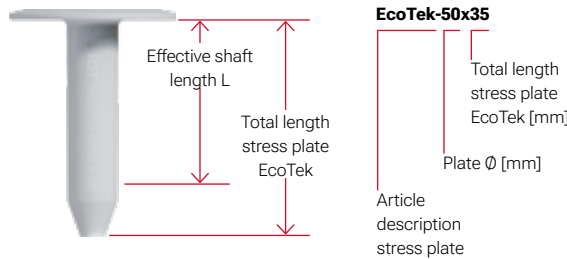
Applications



Technical specifications



Certifications



Meets the requirements of the VOB in accordance with DIN 18336 and the flat roof guidelines when fastening through existing thermally insulated roof structures with regard to corrosion resistance.

Assembly instruction



Product in the online shop



Order description	Effective shaft length L [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
EcoTek-50x35	25	2000		8595035007	4061245011219
EcoTek-50x65	55	1300		8595065007	4061245011202
EcoTek-50x85	75	1000		8595085007	4061245032801
EcoTek-50x105	95	800		8595105007	4061245011189
EcoTek-50x135	125	600		8595135007	4061245032818
EcoTek-50x165	155	450		8595165007	4061245011165
EcoTek-50x195	185	350		8595195007	4061245032825
EcoTek-50x225	215	300		8595225007	4061245032832
EcoTek-50x275	265	300		8595275007	4061245011134
EcoTek-50x335	325	250		8595335007	4061245011127

Compatibility acc. to ETA-07/0013

EcoTek 50	SW 8 RT-4.8	SW 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	VHT-R-4.8	VHT-E-4.8	JT2-ST2-6.0	JT2-ST2-6.8	JT3-ST2-6.0	FBS-R-6.3	JBS-R-7.5	FPS-E-8.0	SDF-S-10H-E	SDP-S-10G-E
			•	•	•	•	•	•	•	•	•	•	•		

Stress plate HTV-RU-40 W



Cross references	Page
Magnet bracket HTV RU	27
Hip belt flat roof	59

Application range

- > To fix roofing membrane to substructures made of timber and wood-based materials (without insulation)

Characteristics

- > Stress plate: alu-zinc coated steel
- > Screw: Case-hardened steel, Climadur-coated – high-quality coating to improve corrosion protection (15 Kesternich cycles, DIN 50018)
- > Pre-assembled
- > Processing in an upright position possible with the magnet bracket HTV RU

Applications



Technical specifications



Certifications



In a functional plastic box

Product in the online shop



Order description	Plate diameter [mm]	Screw length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
HTV-RU-40/25-W	40	25	500		3022540401	4061245012469
HTV-RU-40/35-W	40	35	500		3023540401	4061245012452
HTV-RU-40/45-W	40	45	300		3024540401	4061245012445

Stress plate HTK-2G-M/TKR (collated)



Cross references	Page
DABO® TKR-4,8	14
DABO® TKE-4,8	16
DABO® TKR-4-4,8	17
DABO® VHT-R-4,8	18
DABO® VHT-E-4,8	19
Stress plate HTK-2G 50	30



Installation tool ECOset HTK
Rental equipment available
Article number G000000072

Application range

- > To fix roofing membranes and insulating material to substructures made of sheet steel $\geq 0.70 \text{ mm} \leq 1.5 \text{ mm}$, timber or wood-based material
- > For new buildings
- > For the upright installation with ECOSET HTK installation tool
- > For special requirements of resistance to imposed loads
- > To reduce thermal bridges

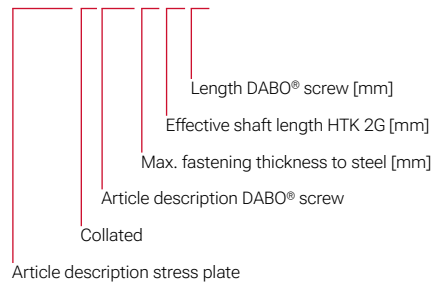
Characteristics

- > Stress plate: high-plastic material
- > DABO® screw TKR = case-hardened steel, Climadur coated - high-quality coating to improve corrosion protection (15 Kesternich cycles, DIN 50018)
- > Collated (25 pcs. per cartridge)
- > Telescope design for resistance to imposed loads
- > Combinations for total panel thicknesses up to 605 mm possible

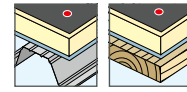
Notice

For combination with EJOT DABO® screws.
Drilling capacity = 4 mm on request!

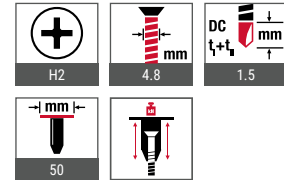
HTK-2G-M/TKR-60-35/50



Applications



Technical specifications



Certifications



Assembly instruction



Product in the online shop



Order description	Total panel thickness [mm]	Effective Shaft length L [mm]	Screw length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
HTK-2G-M/TKR-60-35/50	60	35	50	1000		3703505021	4061245012223
HTK-2G-M/TKR-80-55/50	80	55	50	1000		3705505021	4061245012209
HTK-2G-M/TKR-100-55/70	100	55	70	1000		3705507021	4061245012186
HTK-2G-M/TKR-120-95/50	120	95	50	1000		3709505021	4061245012162
HTK-2G-M/TKR-140-95/70	140	95	70	1000		3709507021	4061245012148
HTK-2G-M/TKR-160-115/70	160	115	70	700		3711507021	4061245012124
HTK-2G-M/TKR-180-145/60	180	145	60	700		3714506021	4061245012100
HTK-2G-M/TKR-200-145/80	200	145	80	700		3714508021	4061245012087
HTK-2G-M/TKR-220-145/100	220	145	100	700		3714510021	4061245012063
HTK-2G-M/TKR-240-145/120	240	145	120	700		3714512021	4061245012049
HTK-2G-M/TKR-260-145/140	260	145	140	700		3714514021	4061245012025
HTK 2G-M/TKR-280-145/160	280	145	160	700		3714516021	4061245012001

Order information: For timber substructures, screws need to be chosen 10 mm longer.

HTK-2G-TKR (loose, pre-assembled)



Cross references	Page
DABO® TKR-4,8	14
Stress plate HTK-2G 50	30
Bit cross recess	54
Bit extension with spring pin	57
Hip belt flat roof	59

Assembly instruction



Product video



Product in the online shop



Application range

- > To fix roofing membranes and insulating material to substructures made of sheet steel $\geq 0.70 \text{ mm} \leq 1.5 \text{ mm}$, timber or wood-based material
- > For new buildings
- > For the installation with ECOSET HTK installation tool up to 280 mm total panel thickness
- > For special requirements of resistance to imposed loads
- > To reduce thermal bridges

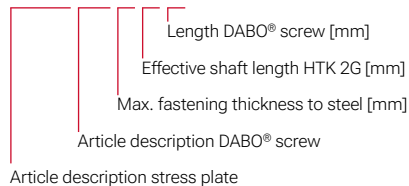
Characteristics

- > Stress plate: high-plastic material
- > DABO® screw TKR = case-hardened steel, Climadur coated - high-quality coating to improve corrosion protection (15 Kesternich cycles, DIN 50018)
- > Telescope design for resistance to imposed loads
- > Combinations for total panel thicknesses up to 605 mm possible
- > Processing in an upright position possible with the bit extension with spring pin or with the ECOSET HTK installation tool

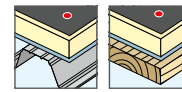
Notice

Upon request also available with VHT-R and VHT-E

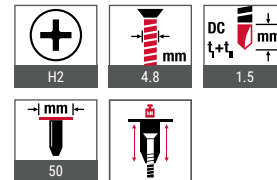
HTK-2G-TKR-60-35/50



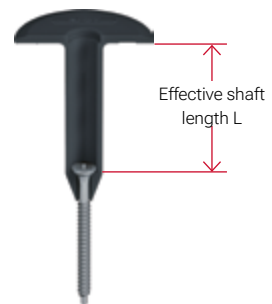
Applications



Technical specifications



Certifications



Order description	Total panel thickness [mm]	Effective Shaft length L [mm]	Screw length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
HTK-2G-TKR-60-35/50-loose, pre-assembled	60	35	50	100		3703505024	4061245031729
HTK-2G-TKR-80-55/50-loose, pre-assembled	80	55	50	100		3705505024	4061245031736
HTK-2G-TKR-100-55/70-loose, pre-assembled	100	55	70	100		3705507024	4061245031620
HTK-2G-TKR-120-95/50-loose, pre-assembled	120	95	50	100		3709505024	4061245032108
HTK-2G-TKR-140-95/70-loose, pre-assembled	140	95	70	100		3709507024	4061245031644
HTK-2G-TKR-160-115/70-loose, pre-assembled	160	115	70	100		3711507024	4061245031651
HTK-2G-TKR-180-145/60-loose, pre-assembled	180	145	60	100		3714506024	4061245031668
HTK-2G-TKR-200-145/80-loose, pre-assembled	200	145	80	100		3714508024	4061245031675
HTK-2G-TKR-220-145/100-loose, pre-assembled	220	145	100	100		3714510024	4061245031682
HTK-2G-TKR-240-145/120-loose, pre-assembled	240	145	120	100		3714512024	4061245031699
HTK-2G-TKR-260-145/140-loose, pre-assembled	260	145	140	100		3714514024	4061245031705
HTK 2G-TKR-280-145/160-loose, pre-assembled	280	145	160	100		3714516024	4061245031712
HTK 2G-TKR-300-145/180-loose, pre-assembled	300	145	180	100		3714518024	4061245040684
HTK 2G-TKR-320-145/200-loose, pre-assembled	320	145	200	100		3714520024	4061245040677
HTK 2G-TKR-340-145/220-loose, pre-assembled	340	145	220	100		3714522024	4061245040660
HTK 2G-TKR-360-185/200-loose, pre-assembled	360	185	200	100		3718520024	4061245040653

Order information: For timber substructures, screws need to be chosen 10 mm longer.

Stress plate HTK-2G-M/TKE (collated)



Cross references	Page
DABO® TKR-4,8	14
DABO® TKE-4,8	16
DABO® TKR-4-4,8	17
DABO® VHT-R-4,8	18
DABO® VHT-E-4,8	19
Stress plate HTK-2G 50	30



Installation tool ECOset HTK
Rental equipment available
Article number G000000072

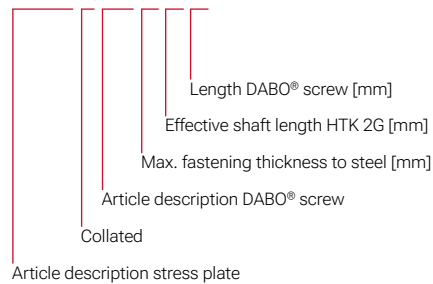
Application range

- > To fix roofing membranes and insulating material to substructures made of sheet steel ≥ 0.70 mm ≤ 1.5 mm, timber or wood-based material
- > New buildings and renovations (observe layer design)
- > For the upright installation with ECOSET HTK installation tool
- > For special requirements of resistance to imposed loads
- > To reduce thermal bridges
- > For new buildings

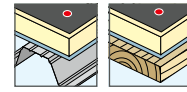
Characteristics

- > Stress plate: high-plastic material
- > DABO® screw TKE = A4 stainless steel
- > Collated (25 pcs. per cartridge)
- > Telescope design for resistance to imposed loads
- > Combinations for total panel thicknesses up to 605 mm possible

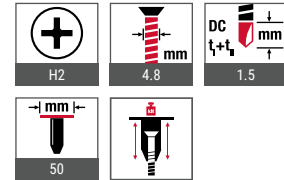
HTK-2G-M/TKE-60-35/50



Applications



Technical specifications



Certifications



Meets the requirements of the VOB in accordance with DIN 18336 and the flat roof guidelines when fastening through existing thermally insulated roof structures with regard to corrosion resistance.

Product in the online shop



Order description	Total panel thickness [mm]	Effective Shaft length L [mm]	Screw length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
HTK-2G-M/TKE-100-55/70	100	55	70	1000		3705507022	4061245012179
HTK-2G-M/TKE-120-95/50	120	95	50	1000		3709505022	4061245012155
HTK-2G-M/TKE-140-95/70	140	95	70	1000		3709507022	4061245012131
HTK-2G-M/TKE-160-115/70	160	115	70	700		3711507022	4061245012117
HTK-2G-M/TKE-180-145/60	180	145	60	700		3714506022	4061245012094
HTK-2G-M/TKE-200-145/80	200	145	80	700		3714508022	4061245012070
HTK-2G-M/TKE-220-145/100	220	145	100	700		3714510022	4061245012056
HTK-2G-M/TKE-240-145/120	240	145	120	700		3714512022	4061245012032

Order information: For timber substructures, screws need to be chosen 10 mm longer.

HTK-2G/TKE (loose, pre-assembled)



Cross references	Page
DABO® TKR-4,8	14
Stress plate HTK-2G 50	30
Bit cross recess	54
Bit extension with spring pin	57
Hip belt flat roof	59

Assembly instruction



Product in the online shop



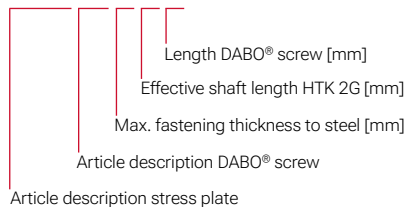
Application range

- > To fix roofing membranes and insulating material to substructures made of sheet steel $\geq 0.70 \text{ mm} \leq 1.5 \text{ mm}$, timber or wood-based material
- > New buildings and renovations (observe layer design)
- > For the installation with ECOSET HTK installation tool up to 280 mm total panel thickness
- > For special requirements of resistance to imposed loads
- > To reduce thermal bridges

Characteristics

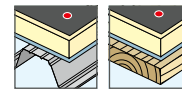
- > Stress plate: high-plastic material
- > DABO® screw TKE = A4 stainless steel
- > Telescope design for resistance to imposed loads
- > Combinations for total panel thicknesses up to 605 mm possible
- > Processing in an upright position possible with the bit extension with spring pin or with the ECOSET HTK installation tool

HTK-2G-TKE-60-35/50

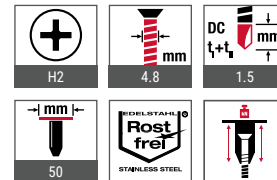


Article description stress plate

Applications



Technical specifications



Certifications



Meets the requirements of the VOB in accordance with DIN 18336 and the flat roof guidelines when fastening through existing thermally insulated roof structures with regard to corrosion resistance.

Order description	Total panel thickness [mm]	Effective Shaft length L [mm]	Screw length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
HTK-2G-TKE-80-55/50-loose, pre-assembled	80	55	50	100		3705505026	4061245059839
HTK-2G-TKE-100-55/70-loose, pre-assembled	100	55	70	100		3705507026	3705507026
HTK-2G-TKE-120-95/50-loose, pre-assembled	120	95	50	100		3709505026	4061245059853
HTK-2G-TKE-140-95/70-loose, pre-assembled	140	95	70	100		3709507026	4061245059860
HTK-2G-TKE-160-115/70-loose, pre-assembled	160	115	70	100		3711507026	4061245059884
HTK-2G-TKE-180-145/60-loose, pre-assembled	180	145	60	100		3714506026	4061245059891
HTK-2G-TKE-200-145/80-loose, pre-assembled	200	145	80	100		3714508026	4061245059907
HTK-2G-TKE-220-145/100-loose, pre-assembled	220	145	100	100		3714510026	4061245059921
HTK-2G-TKE-240-145/120-loose, pre-assembled	240	145	120	100		3714512026	4061245060019
HTK-2G-TKE-260-145/140-loose, pre-assembled	260	145	140	100		3714514026	4061245060026
HTK2G-TKE-280-145/160-loose, pre-assembled	280	145	160	100		3714516026	4061245060033
HTK2G-TKE-300-145/180-loose, pre-assembled	300	145	180	100		3714518026	4061245074191

Order information: For timber substructures, screws need to be chosen 10 mm longer.

Further lengths upon request



NEW Adapter plate HTK-A 50/75

Cross references	Page
Stress plate HTK-2G 50	30
Stress plate EcoTek 50	31
Flat roofing anchor FDD Plus -R	42
Flat roofing anchor FDD Plus -E	44

Application range

- > Adapter plate to fix insulating material to substructures made of concrete, aerated concrete, trapezoidal steel, timber and wood-based materials
- > For new buildings and renovations

Characteristics

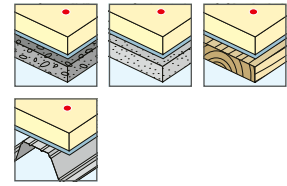
- > High-plastic material
- > Plate diameter: 75 mm

Advantages

- > Increased load-bearing capacity due to a larger plate diameter from 50 mm to 75 mm
- > Roof membrane fastener with adapter plate can also be used for fastening insulation material

Notice

For combination with stress plate HTK-2G, EcoTek and flat roofing anchor FDD Plus -R and -E.

Applications**Technical specifications****Product video****Product online**

Order description	Diameter [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
HTK-A 50/75	75	500		8595075007	4061245127019

Stress plate JBS-R/EcoTek

Adjustable fastener for slope insulations
on concrete substrates



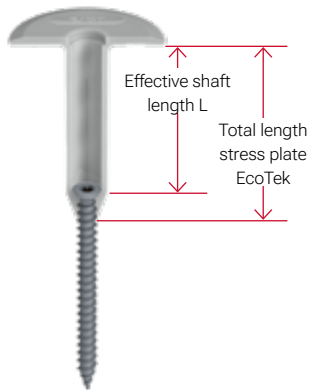
Flat roofs usually have a minimum slope of 2 %, so that rainwater can drain off in a predetermined direction. For a slope insulation, the installer had to use a correspondingly long fastener for each total panel thickness when fixing the roofing membrane. Flat roof fasteners which are adjustable in height are easier and more economical like for example JBS-R/EcoTek for concrete substrates.

www.ejot.com/construction/jbs-r-ecotek

Stress plate JBS-R/EcoTek (loose, pre-turned)



Cross references	Page
Hammer drill SDS plus®	50
A-Konus mit Bund	51
Bohrer verlängerung	52
Starterset JBS-R 100/EcoTek	53
Bit hexalobular TX30	55
Bit extension	56
EcoTek Tool komplett	58
Hip belt flat roof	59



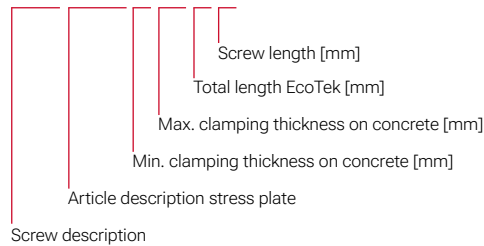
Application range

- > Adjustable fastening element
- > Ideal for slope insulation up to 590 mm
- > To fix roofing membranes with insulation to concrete sub-structures
- > For new buildings
- > To reduce thermal bridges

Characteristics

- > Screw: Case-hardened steel, Climadur-coated – high-quality coating to improve corrosion protection (15 Kesternich cycles, DIN 50018)
- > Stress plate: high-plastic material
- > Drive stress plate: complete EcoTek Tool
- > High thread for resistance to imposed loads

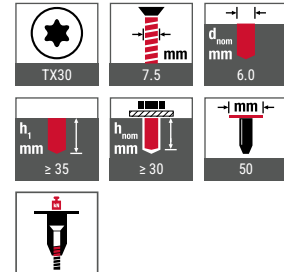
JBS-R/EcoTek-70-100-65/80



Applications



Technical specifications



Certifications



Product video



Assembly instruction



Product in the online shop



Order description	Total panel thickness [mm]	Effective Shaft length L [mm]	Screw length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JBS-R/EcoTek-70-100-65/80	70-100	55	80	100		2706500820	4061245021409
JBS-R/EcoTek-90-120-85/80	90-120	75	80	100		2708500820	4061245021416
JBS-R/EcoTek-110-180-105/120	110-180	95	120	100		2710501220	4061245075464
JBS-R/EcoTek-170-270-165/150	170-270	155	150	100		2716501520	4061245021430
JBS-R/EcoTek-230-390-225/210	230-390	215	210	100		2722502120	4061245021447
JBS-R/EcoTek-340-500-335/210	340-500	325	210	100		2733502120	4061245021454
JBS-R/EcoTek-340-590-335/300	340-590	335	300	100		2733503020	4061245062709

Stress plate HTK-2G/ZTR

Adjustable fastener for slope insulations
on metal substructures

EJOT now has the HTK-2G/ZTR in its range especially for the slope insulation of flat roofs with metal substructures. The advantage: The flat roof fastener is adjustable in height. Therefore significantly less

article variants are required for fastening the waterproofing membrane, as different total panel thicknesses occur along the slope, which must be taken into account when fastening.



Stress plate HTK-2G/ZTR (loose, pre-assembled)



Cross references	Page
Bit hexalobular TX25-1/4"	55
Hip belt flat roof	59

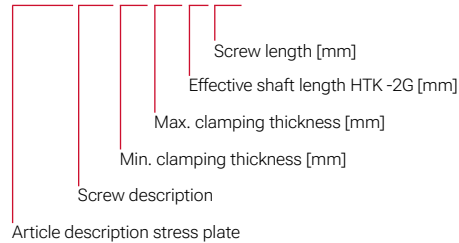
Application range

- > Adjustable fastening element
- > To secure roofing membrane and insulating material to sheet steel substructures $\geq 0.70 \text{ mm} \leq 1.5 \text{ mm}$
- > For new buildings
- > Ideal for slope insulation up to 590 mm
- > To reduce thermal bridges

Characteristics

- > DABO® screw: case-hardened steel, Climadur coated - high-quality coating to improve corrosion protection (15 rounds Kesternich, DIN 50018)
- > Stress plate: high-plastic material
- > Supporting effect for resistance to imposed loads

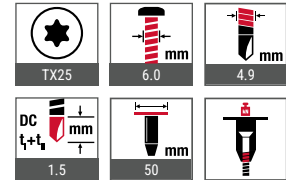
HTK-2G-ZTR-110-185-95/120



Applications



Technical specifications



Certifications



Product video



Assembly instruction



Product in the online shop



Order description	Total panel thickness [mm]	Effective Shaft length L [mm]	Screw length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
HTK-2G-ZTR-110-185-95/120-loose, pre-assembled	110-185	95	120	100		3709512028	4061245105550
HTK-2G-ZTR-160-285-145/170-loose, pre-assembled	160-285	145	170	100		3714517028	4061245105567
HTK-2G-ZTR-240-365-225/170-loose, pre-assembled	240-365	225	170	100		3722517028	4061245105574
HTK-2G-ZTR-340-465-325/170-loose, pre-assembled	340-465	325	170	100		3732517028	4061245105581
HTK-2G-ZTR-340-590-325/300-loose, pre-assembled	340-590	325	300	100		3732530028	4061245105598

Flat roofing anchor FDD Plus R (steel)



Cross references	Page
Hammer drill SDS plus®	50
Bit hexalobular TX30	55
Bit extension	56
Hip belt flat roof	59

Application range

- > To fix roofing membranes and insulating material
- > Also for use with slope insulation
- > For concrete, lightweight concrete and aerated concrete substructures
- > To reduce thermal bridges
- > For new buildings

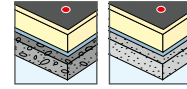
Characteristics

- > Anchor sleeve made of high-plastic material
- > Anchor screw made of steel, high-quality organic coating (15 Kesternich cycles, DIN 50018); Cr(VI) free

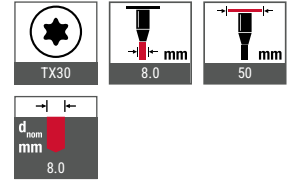
Characteristic values

Substructure	Drill hole depth	Embedment depth
Concrete ≥ C12/15	≥ 45 mm	≥ 30 mm
Lightweight concrete ≥ LC12/13	≥ 45 mm	≥ 30 mm
Aerated concrete ≥ AAC 3.5-500	≥ 80 mm	≥ 65 mm

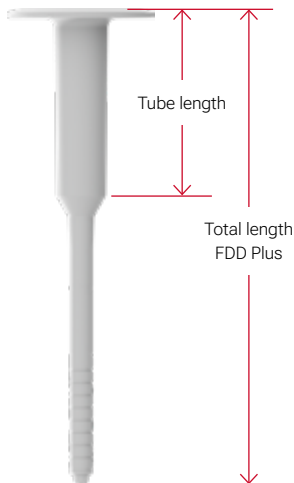
Applications



Technical specifications



Certifications



Tube length [mm]	Total length [mm]																	
	95	115	135	155	175	195	215	235	255	275	295	335	375	415	455	495	535	
22	.																	
42		.	.			.												
62				.			.											
82					.			.										
102									.									
122										.								
142											.							
162												.						
182													.					
202														.				
242															.			
282																.		





Assembly instruction



Product in the online shop



Order description	Anchor length [mm]	Total panel thickness substructure ¹⁾ ≤ [mm]	Total panel thickness substructure ²⁾ ≤ [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Anchors with steel screws finished with high-quality organic Cr(VI) free coating							
FDD-Plus-50x095-R	95	65	30	100		8720095400	4061245011097
FDD-Plus-50x115-R	115	85	50	100		8720115400	4061245011073
FDD-Plus-50x135-R	135	105	70	100		8720135400	4061245011059
FDD-Plus-50x155-R	155	125	90	100		8720155400	4061245011035
FDD-Plus-50x175-R	175	145	110	100		8720175400	4061245011011
FDD-Plus-50x195-R	195	165	130	100		8720195400	4061245010991
FDD-Plus-50x215-R	215	185	150	100		8720215400	4061245010977
FDD-Plus-50x235-R	235	205	170	100		8720235400	4061245010953
FDD-Plus-50x255-R	255	225	190	100		8720255400	4061245010939
FDD-Plus-50x275-R	275	245	210	100		8720275400	4061245010915
FDD-Plus-50x295-R	295	265	230	100		8720295400	4061245010892
FDD-Plus-50x335-R	335	305	270	100		8720335400	4061245010878
FDD-Plus-50x375-R	375	345	310	100		8720375400	4061245010854

1) Concrete C12/15; lightweight concrete LC12/13

2) Aerated concrete AAC 3.5-500

Further lengths on request



Flat roofing anchor FDD Plus -E (stainless steel)



Cross references	Page
Hammer drill SDS plus®	50
Bit hexalobular TX30	55
Bit extension	56
Hip belt flat roof	59

Application range

- > To fix roofing membranes and insulating material
- > Also for use with slope insulation
- > For concrete, lightweight concrete and aerated concrete substructures
- > To reduce thermal bridges
- > For new buildings and renovations

Characteristics

- > Anchor sleeve made of high-plastic material
- > Anchor screw made of A2 stainless steel

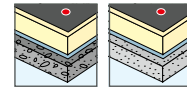
Notice

Pull-out tests have to be arranged with the service team for all renovation cases.

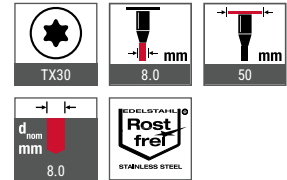
Characteristic values

Substructure	Drill hole depth	Embedment depth
Concrete ≥ C12/15	≥ 45 mm	≥ 30 mm
Lightweight concrete ≥ LC12/13	≥ 45 mm	≥ 30 mm
Aerated concrete ≥ AAC 3.5-500	≥ 80 mm	≥ 65 mm

Applications



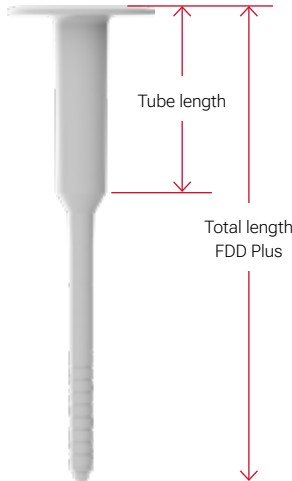
Technical specifications



Certifications



Conforms to the requirements according to VOB and the application class K2 according to DIN 18531 regarding the corrosion resistance



Tube length [mm]	Total length [mm]																	
	95	115	135	155	175	195	215	235	255	275	295	335	375	415	455	495	535	
22	.																	
42		.	.			.												
62				.			.											
82					.			.										
102									.									
122										.								
142											.							
162												.						
182													.					
202														.				
242															.			
282																.		





Assembly instruction



Product in the online shop



Order description	Anchor length [mm]	Total panel thickness substructure ¹⁾ ≤ [mm]	Total panel thickness substructure ²⁾ ≤ [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Anchors with A2 stainless steel screws							
FDD-Plus-50x095-E	95	65	30	100		8720095600	4061245011080
FDD-Plus-50x115-E	115	85	50	100		8720115600	4061245011066
FDD-Plus-50x135-E	135	105	70	100		8720135600	4061245011042
FDD-Plus-50x155-E	155	125	90	100		8720155600	4061245011028
FDD-Plus-50x175-E	175	145	110	100		8720175600	4061245011004
FDD-Plus-50x195-E	195	165	130	100		8720195600	4061245010984
FDD-Plus-50x215-E	215	185	150	100		8720215600	4061245010960
FDD-Plus-50x235-E	235	205	170	100		8720235600	4061245010946
FDD-Plus-50x255-E	255	225	190	100		8720255600	4061245010922
FDD-Plus-50x275-E	275	245	210	100		8720275600	4061245083919
FDD-Plus-50x295-E	295	265	230	100		8720295600	4061245010885
FDD-Plus-50x335-E	335	305	270	100		8720335600	4061245010861
FDD-Plus-50x375-E	375	345	310	100		8720375600	4061245010847

1) Concrete C12/15; lightweight concrete LC12/13

2) Aerated concrete AAC 3.5-500

Further lengths on request

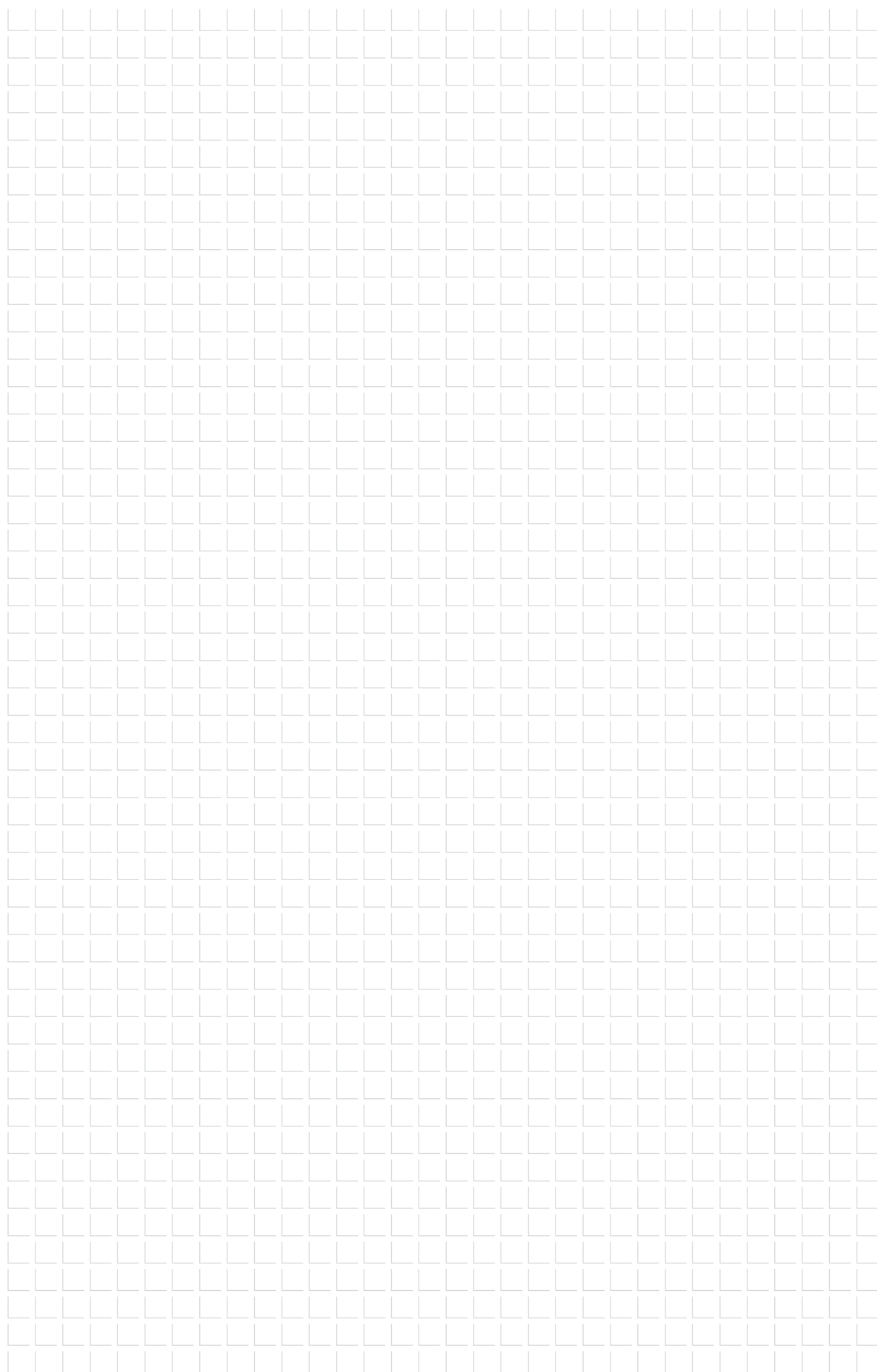


EJOT®

Centrix induction welding system

Non-penetrating mechanical fastening
of the roof insulation for challenging areas





Machinery Spare Parts Tools

Cordless screwdriver ASCM 18 QSW AS

**Included in delivery**

- 1 ASCM 18 QSW AS
(without battery pack or battery charger)
- 1 plastic tool case
- 1 scaffolding anchor
- 1 socket for hexagon screws SW 8
- 1 removable full metal drill chuck

Application range

- > Torque-optimized cordless screwgun with four gears for fixing metal with screw diameters of up to 6.0 mm

Characteristics

- > 4-gear full metal gear unit
- > Mechanical torque adjustment
- > Tool-free change of QuickIN attachments between applications in seconds
- > Brushless FEIN PowerDrive motor with 30 % higher efficiency enables longer service life
- > Compatible with AMPShare / Bosch Professional 18 V batteries

Technical specifications

Battery voltage	18 V
Li-Ion / ProCORE Li-Ion	Li-Ion / ProCORE Li-Ion
Motor	brushless
Gear	4-gear
Idle speed	400 / 700 / 1400 / 2500 1/min
Max. torque (hard/soft)	40 / 30 Nm
Torque levels	20 + 1
Drill chuck clamping range	1.5 – 13 mm
Screws	8 x 200 mm
Drill Ø timber	40 mm
Drill Ø steel	13 mm
Battery pack	not included in delivery

3-year FEIN PLUS Warranty
including battery and charger
(if registered online)

Product in the online shop

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
4-gear cordless screwgun ASCM 18-QSW AS	1		9150660000	4014586898919
Accessories				
QuickIN Bithalter ASCM 18-4 QM AS / 18-QSW AS	1		9150610001	4014586404820
QuickIN Socket adapter ASCM 18-4 QM AS / 18-QSW AS	1		9150610002	4014586404844
QuickIN depth stop ASCM 18-4 QM AS / ASCM 18-QSW AS	1		9150610003	4014586476902

Hammer drill SDS plus®



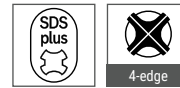
Application range

> For masonry, concrete, natural stone, artificial stone, etc.

Advantages

- > Long service life
- > Centering point for easy, pinpoint drilling
- > Short spiral starts for optimised drill dust transport
- > Radially shaped reinforcement protection against hooking in case of reinforcement hits
- > 4x4 design allows precise concentricity and minimizes wear and friction losses
- > High-quality hardened and tempered steel for the toughest applications

Technical specifications



Product in the online shop



Order description	D [mm]	L1 [mm]	L2 [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
4 edges							
4 edge SDS-plus 5x160	5.0	160	100	1		9270005160	4061245080208
4-edge SDS-plus 5x260	5.0	260	200	1		9270005060	4061245080314
4-edge SDS-plus 5x410	5.0	410	350	1		9270005350	4061245080239
4-edge SDS-plus 6x160	6.0	160	100	1		9270006160	4061245080253
4-edge SDS-plus 6x260	6.0	260	200	1		9270006260	4061245080277
4-edge SDS-plus 8x160	8.0	160	100	1		9270008160	4061245080284
4-edge SDS-plus 8x260	8.0	260	200	1		9270008260	4061245080307
4-edge SDS-plus 8x360	8.0	360	300	1		9270008360	4061245080338
4-edge SDS-plus 8x600	8.0	600	540	1		9270008600	4061245080369
4-edge SDS-plus 10x160	10.0	160	100	1		9270010160	4061245080376
4-edge SDS-plus 10x260	10.0	260	200	1		9270010260	4061245080390
4-edge SDS-plus 10x360	10.0	360	300	1		9270010360	4061245081137
4-edge SDS-plus 10x460	10.0	460	400	1		9270010460	4061245080406
4-edge SDS-plus 12x160	12.0	160	100	1		9270012160	4061245081144
4-edge SDS-plus 12x260	12.0	260	200	1		9270012260	4061245081151
4-edge SDS-plus 14x160	14.0	160	100	1		9270014160	4061245081175
4-edge SDS-plus 14x310	14.0	310	250	1		9270014310	4061245081267
4-edge SDS-plus 15x160	15.0	160	100	1		9270015160	4061245081199
4-edge SDS-plus 16x260	16.0	260	200	1		9270016260	4061245081212

Further lengths upon request



Hammer drill A-cone with flange



Application range

- > For masonry, concrete, natural stone, artificial stone, etc.

Advantages

- > For exact depth control and for optimal penetration of insulations
- > Long service life due to short working length

Cross references	page
Drill bit extension	51

Product in the online shop



Order description	Diameter [mm]	Total length [mm]	Effective length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Hammer drill A-cone 6x100/35	6.0	100	35	1		9270060102	4061245080178

Drill bit extension



Application range

- > For hammer drill A-cone
- > For hammer drill A-cone with flange

Characteristics

- > Including expeller wedge

Technical specifications



Cross references	page
Hammer drill A cone	51

Product in the online shop



Order description	Total length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drill bit extension SDS 500 mm	500	1		9271950000	4061245080109
EJOT drillX spare parts kit (3 expeller wedges)	-	1		9151950003	4039161009399

Starter set JBS-R 100/EcoTek



Application range

- > Accessories set for the optimum processing of the fastener combination concrete screw JBS-R/EcoTek (loose, pre-rotated)

Characteristics

- > Drill bit extension SDS 500 mm for hammer drill A-cone and A-cone with flange
- > A-cone drill bit for concrete for exact depth stop and optimum penetration of insulations
- > TX30 bit for fastening the concrete screw JBS-R-7.5
- > EcoTek Tool for adjusting the optimum installation depth of the EcoTek 50 in the fastener combination JBS-R/EcoTek (loose, pre-rotated)

Included in delivery

- 1 drill bit extension SDS 500 mm
- 2 hammer drills A-cone
6x102/35
- 2 bits hexalobular
TX30-1/4"/Ex350
- 1 Complete EcoTek Tool

Cross references	Page
JBS-R/EcoTek	21
Cordless screw driver	49

Notice

The set is designed for the processing of approx. 100 fastener combinations. Additionally, further drill bits and possibly TX30 bits are needed. The service life of the drills varies considerably depending on the substrate.

Assembly instruction



Product in the online shop



Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Starter set EcoTek/JBS-R 100	1		2799000001	4061245074542

Bit cross recess

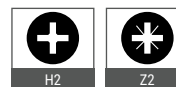


Cross references	Page
Bit extension with spring pin	57

Application range

- > For use in the flat roof area
- > For use in the window and glass facade area

Technical specifications

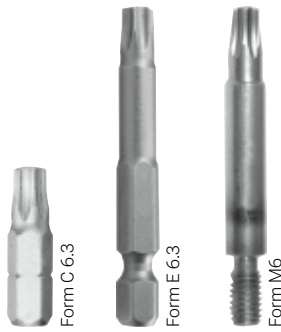


Product in the online shop



Order description	Drive and Size	Length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: 1/4" hexagon DIN/ISO 1173 - form C 6.3						
PH2-1/4"/Cx25	H2	25	1		9250474000	4050623100232
Bit PZ2-1/4"/Cx25	Z2	25	1		9250473000	4061245054254
Drive: 1/4" hexagon DIN/ISO 1173 - form E 6.3						
PH2-1/4"/Ex50	H2	50	1		9250709000	4050623102281
PH2-1/4"/Ex200	H2	200	1		9200000200	4061245021058
PH2-1/4"/Ex350	H2	350	1		9200000350	4061245021065
Drive: threaded connection M6						
Bit PH 2 - M6 x 35	H2	35	1		9250612000	4061245021027

Hexalobular bit TX

**Application range**

> For fastening of all EJOT fasteners with hexalobular drive TX

Technical specifications**Cross references**

Bit extension with spring pin 57

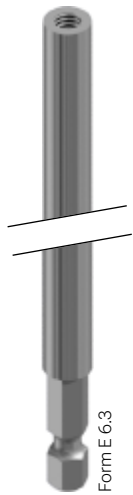
Order description	Drive and Size	Length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: 1/4" hexagon DIN/ISO 1173 - C 6.3						
TX20-1/4"/Cx25	TX20	25	1		9150010000	4050623100553
TX20W-1/4"/Cx25*	TX20W	25	1		9150008000	4050623100744
TX25-1/4"/Cx25	TX25	25	1		9150009000	4061245021072
TX25W-1/4"/Cx25*	TX25W	25	1		9150003000	4061245021102
TX30-1/4"/Cx25	TX30	25	1		9250431000	4050623100584
TX30W-1/4"/Cx25*	TX30W	25	1		9250431002	4050623100775
TX40-1/4"/Cx25	TX40	25	1		9250480000	4050623100591
Drive: 1/4" hexagon DIN/ISO 1173 - E 6.3						
TX25HF-1/4"/Ex50**	TX25	50	1		9506008401	4013288106926
TX25-1/4"/Ex300	TX25	300	1		9252014300	4061245075457
TX25-1/4"/Ex350	TX25	350	1		9252014350	4061245105611
TX30-1/4"/Ex50	TX30	50	1		9250431001	4050623102670
TX30-1/4"/Ex200	TX30	200	1		9253014200	4039161010975
TX30-1/4"/Ex350	TX30	350	1		9253014350	4061245021096
Drive: threaded connection M6						
TX25-M6x33	TX25	33	1		9250251425	4061245021089
TX30-M6x33	TX30	33	1		9250251430	4050623103936

* Special bit: conical design for force fit at screw head of painted screws

**Bit with holding function for unpainted screws

Product in the online shop

Bit extension



Application range

- > For the attachment of all bits with M6 threaded connection
- > For use in the flat roof area

Technical specifications



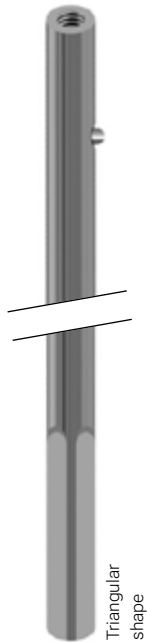
Cross references	Page
Bit PH2-M6x35	54
TX25-M6x33	55
TX30-M6x33	55
EcoTek Tool	58

Product in the online shop



Order description	Length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: 1/4" hexagon DIN/ISO 1173 - form E 6.3					
Bit extension M6 x 300	300	1		9150000003	4250483605216

Bit extension with spring pin



Application range

- > For the attachment of all bits with M6 threaded connection
- > For the ergonomic processing of assembled flat roof fasteners

Characteristics

- > Spring pin with clamping feature
- > Flat roof fasteners are easily pushed onto the bit extension

Technical specifications



Cross references	Page
HTK-2G 50	30
EcoTek 50	31
HTK-2G/TKR (loose, pre-assembled)	34
HTK-2G/TKE (loose, pre-assembled)	36

Order description	Length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: triangular					
Bit extension with spring pin HTK 2G	600	1		9150000004	4061245060002
Bit extension with spring pin EcoTek	600	1		9150000005	4061245081281

Product in the online shop



Socket wrench insert



Form E 6.3

Application range

- > For fastening of all EJOT fasteners with hexagon head

Characteristics

- > Clamping spring with ball
- > Secure fit of the screw

Technical specifications



Cross references

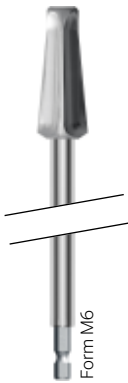
	Page
Cordless screw driver ASCM QSW	49

Product in the online shop



Order description	Drive and Size	Length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: 1/4" hexagon DIN/ISO 1173 - E 6.3						
K-SW8-1/4"x50 with ball and flat spiral spring	SW8	50	1		9250705104	4061245020006
K-SW3/8"-1/4"x50 with ball and flat spiral spring	SW3/8"	50	1		9250705105	4061245019994

Complete EcoTek Tool



Form M6

Application range

- > Adjustment tool for the use of concrete screw JBS-R in combination with the stress plate EcoTek 50

Characteristics

- > Easy to use
- > Optimal installation depth of the EcoTek 50
- > One-part tool, total length 640 mm

Cross references

	Page
Stress plate EcoTek 50	31
JBS-R/EcoTek	39
Cordless screw driver ASCM QSW	49

Product in the online shop



Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: 1/4" hexagon DIN/ISO 1173 - E 6.3				
Complete EcoTek Tool	1		8595100000	4061245062518

Magnet bracket HTV-RU



Application range

- > Installation tool for stress plate HTV RU 40 W
- > For ergonomic processing in an upright position

Technical specifications



Cross references	Page
Stress plate HTV-RU-40 W	32
Cordless screw driver ASCM QSW	49

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: triangular				
Magnet bracket HTV-RU	1		7999001716	4061245020679
Bit PH 2 - M6 x 35	1		9250612000	4061245021027

Product in the online shop



Hip belt flat roof



Application range

- > For the ergonomic installation of pre-assembled flat roof fasteners (TKR-4.8, TKE-4.8, JBS-R/EcoTek, HTV RU 40 W, FDD Plus -R, FDD Plus -E)

Characteristics

- > Waterproof sturdy material
- > Hip belt with plastic buckle
- > Suitable for up to 500 fasteners
- > Scale for length determination

Technical specifications



Cross references	Page
DABO® TKR-4,8	14
DABO® TKE-4,8	16
Stress plate HTV-RU-40 W	32
Stress plate JBS-R/EcoTek	39
Flat roofing anchor FDD Plus -R	42
Flat roofing anchor FDD Plus -E	44

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Hip belt flat roof	1		9150000000	4061245059808

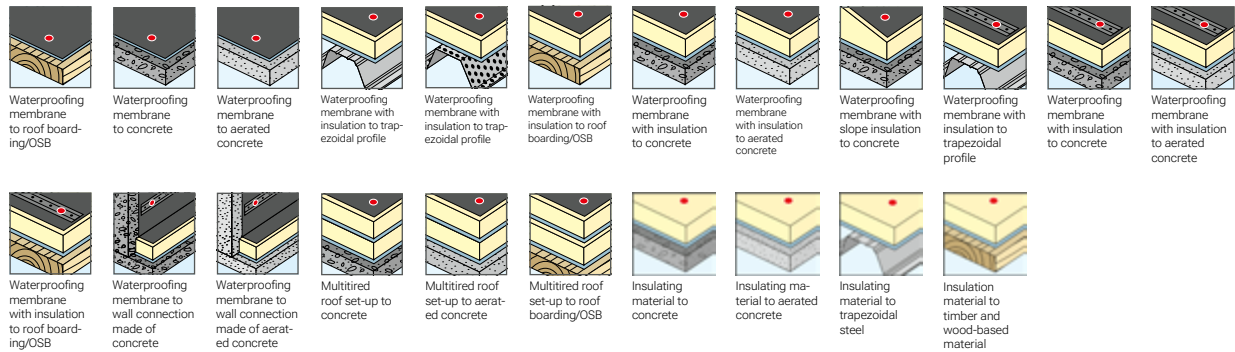
Product in the online shop



Product and note images

Applications



















Flat Roofing



Technical data | Certifications | Other

Technical specifications

 1.0 + 1.0 Drilling capacity $t_1 + t_2$	 1.0 Drilling capacity t_1	 1.0 Drilling capacity t_1	 max. 1,800 Installation rotation speed	 Screw with swarf-reducing point	 0-4 Clamping thickness screw	 16.0 Diameter Hexagon head	 7.5 Diameter Countersunk head	 12.0 Diameter Countersunk head with flange	 12.0 Diameter Pan head	 12.0 Diameter LT Pan head	 12.0 Diameter LT Pan head with cutting ring
 12.0 Diameter Truss head	 12.0 Diameter Flat head	 2.0 Height hexagon head	 13.0 Height LT pan head	 13.0 Height truss head	 13.0 Height flat head	 4.8 Screw diameter with hexagon head	 4.8 Screw diameter with countersunk head	 4.8 Screw diameter with STS countersunk head	 4.8 Screw diameter with pan head	 4.8 Screw diameter with LT pan head	
 4.8 Screw diameter with LT pan head with cutting ring	 4.8 Screw diameter with truss head	 4.8 Screw diameter with flat head	 End mill	 2-Plus Point type	 Wing drill screw	 13.0 Flange head diameter	 5.0 Undercut	 6.3 High thread diameter	 5.0 Length non-threaded part hexagon head screw	 13.0 Length non-threaded part LT pan head screw	 13.0 Length non-threaded part LT-XL pan head screw
 Tool for FR screws with sealing washer	 Tool for screws without sealing washer	 4.9 Diameter left-hand thread	 9.5 Diameter rivet setting head	 1.5 Height rivet setting head	 2.7 Diameter riveting mandrel	 4.8 Diameter rivet shaft	 4.9 Drill hole diameter rivet	 TX white Push-on cap	 XT Centring grommet	 13 Effective shaft length	 8.0 Flat roofing anchor diameter
 50.0 Flat roof stress plate diameter	 15.0 Clamping thickness metal anchor	 M12 Set screw diameter	 M8 Internal thread diameter	 10.0 Threaded sleeve external diameter	 8.0 Insulation support anchor shaft diameter	 90 Insulation support anchor washer diameter	 8.0 Nylon anchor diameter	 8.0 Metal anchor diameter	 60 Tightening torque	 SDS plus® Drive SDS plus®	 4-edge Drill with 4-cutting edge geometry
 [Manufacturer] PGM Masonry Drill Bit Certification Board	 E16 Sealing washer size and material	 H2 Drive cross recess H	 H2 Drive external cross recess H	 Z2 Drive cross recess Z	 Z2 Drive external cross recess Z	 5 Drive internal square	 5 Drive external square	 Triangular Drive external triangular	 SW8 Drive external hexagon	 SW8 Drive internal hexagon	 SW13/TX40 Drive external hexagon/hex-alobular
 TX25 Drive hexalobular	 TX25 Drive external hexalobular	 d _{nom} mm 10.0 Nominal drill diameter	 d _h mm 10.0 Drill hole diameter	 h _d mm 10 Drill hole depth	 t mm 10.0 Drill hole depth	 h _{nom} mm ≥ 70.0 Nominal embedment depth	 h _{eff} mm ≥ 50.0 Effective embedment depth	 h _{emb} mm ≥ 70.0 Embedment depth	 d _l mm 10.0 Through hole component l	 Slip resistance due to telescopic system	 Slip resistance through support (metal-plastic)

											
Slip resistance through support (metal-metal)	Checked fastening element acc. to ETB guideline	Resistance class of burglar-resistant components	Waterproof	Protect from moisture	Stainless steel material	Suitable for high-strength substructures	Also available as painted version	Values determined by the Passivhaus Institute	Fire performance class according to European standard and DIN	Fire resistant	Suitability according to seismic performance category
											
Top Coating C1000	Top Coating CLIMADUR	Top Coating EJOGUARD	EJOGUARD+ coating	Flat roof profile length	Flat roof profile width	Flat roof profile height					

Certifications

									
ETA-10/0200	Z-14.4-426	Z-21.2-2122	P-BWU02-168012	FM Approval product certification by FM Global	Environmental Product Declaration EPD	Emission category according to French VOC directive	International Code Council Evaluation Service	LEED-tested	Certified according to NSF/ANSI 61 drinking water system components

Other

				
Cross reference to previous page	Cross reference to next page	Online shop	Follow assembly instructions	Video



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