



Roofing & Cladding Catalogue

Fastening technology roofing, cladding and general construction

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General terms and conditions:

Our general terms and conditions can also be found at www.ejot.com (footer: Terms & Conditions)

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Bi-met screws manufacturing location
"In der Aue", Bad Laasphe

Fastening technology for the building industry

The EJOT Building Fasteners Division caters for selected segments of the building industry with expert applications on facades. EJOT offers a wide product range and special fastening know-how.

The pursuit of highest quality products is not an end in itself for EJOT. The customer benefits from our screws and anchors. Reliable processing also means low failure costs for the customer. Durable quality joints provide the best protection against expensive customer complaints. This is why we will continue to produce our strategic product range in our plants that are certified according to ISO/TS 16949 standards.

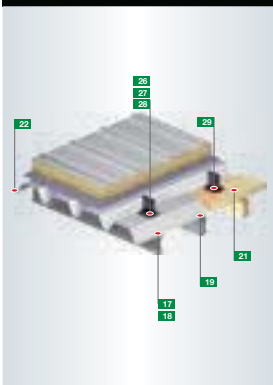
Our service range covers outstanding logistics and availability of products, qualified advice for product selection as well as their professional use. We provide our customers with specialised expert knowledge regarding the application of our products. Whenever needed we

support our customers with all their fastening queries. Further services include advice over the telephone, application advice on site, initial sizing, component tests in the EJOT test centre and a comprehensive training programme for architects, specifiers and assemblers.

Innovative products are the key to success. We leave nothing to chance. We identify the customer requirements on site under real-time conditions. Regular meetings of our international building application experts make sure that we can observe technological trends and are able to support our customers. This way innovative product solutions are developed offering a clear added value and satisfied customers.



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Self-tapping screws

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Solar Fasteners

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Storm washers

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Direct fastening

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Dabo® self-drilling roof screws

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Installation tools

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Our service – your advantage

The results of our close connections to application experts and developers, are the best possible fastening solutions for the building envelope of today and of tomorrow. Use this advantage for your building project!



Quality Management System

DQS certified acc. to
ISO 9001:2008
Certificate registration no.
302825 QM08

Experience our proven know-how for trouble-free and fast installations. Based on this practical experience our experts will develop individual solutions for your special requirements – if required right at the construction site.

Some of our service examples:

- Personal customer service representative – also at the construction site
- Anchor pull-out tests at the construction site
- Expert advice over the phone
- Support for bidding
- Fast and reliable delivery service
- In-house training

Your advantages:

- Application oriented solutions you can rely on
- Our proven know-how
- Planning safety

Expert knowledge and innovations

Qualification and expertise are needed for complicated building projects. Whether it is the construction of the highest tower or the southernmost polar station in the world – you can profit from over 30 years of experience in the building industry.

One thing applies to all EJOT products:

They have been developed by experts – a strong team of developers, product managers and application engineers.

Our claim is to find solutions for your requirements. The results are reliable product solutions to simplify your job at the construction site. Everyone can sell products – but we can meet your needs.



Industrial lightweight construction

High-quality fasteners for fixing profiled sheets and sandwich panels in the industrial light weight construction



External Thermal Insulation Composite Systems

Special anchors for fixing insulation on external wall systems



Flat Roofing

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



Rear ventilated facades

Screws and anchors for fixing substructures and facade cladding of rear ventilated systems



Industrial window and facade technology

High quality fasteners for window and door production and use in aluminium/glass facade systems



Solar

Fastening technology for PV installations

Die Grünstation

Gloria Friedmann, 2006

EJOT is sponsor of this sculpture at the WaldSkulpturenWeg Wittgenstein-Sauerland.

www.waldskulpturenweg.de



We support sustainable building.

Environmental protection and the sustainable use of resources are amongst the most important future projects. Sustainability is becoming more and more important for the building and real estate industry.

Buildings are assessed under ecological aspects such as energy efficiency and resource consumption etc. In particular public awarding authorities include these criteria into their contracts.

In terms of future building product acts, certificates regarding the basic demands "hygiene, environment, health protection" and "sustainable use of natural resources" will be required. EJOT, as a leading company in the field of ETICS fasteners, has responded to these requirements.

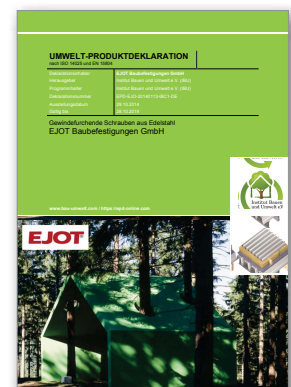
The first environmental product declaration (EPD) for anchor manufacturers was obtained by EJOT and we can now present a comprehensive and complete record for the sustainability and the balance of environmental influences of our products. EPD's for anchors and fasteners from the areas of flat roof and rear ventilated facade have followed.

The industrial lightweight construction field now completes the EJOT product range with regards to the assessment of environmental performance of buildings according to DIN EN 15978.

Fully equipped – for sustainable building

All EPD's are available as PDF for download at the website of the Institute Bauen und Umwelt e.V.

<http://bau-umwelt.de/hp3888/Baubefestigungen.htm>



EJOT products at www.ausschreiben.de

Ausschreiben.de is an online data base which provides free tender texts and updated information about building products for the different trades.

Specifiers and architects can use Ausschreiben.de for easy issuing of tenders for building projects.

Please note the black and yellow logo of www.ausschreiben.de. Wherever the logo is placed next to the product, the respective tender text is available in the online data base.

Your advantages:

- Save time – immediate transfer of the text for the invitation to tender through direct export – free of charge and without registration
- Keep track – all available information for the planning process are centrally stored
- Easy use with drag & drop
- Read texts, compare them, select and drag into your contract specifications or tender

www.ausschreiben.de



www.ausschreiben.de
The text data base for tender texts



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für vorgehängte hinterlüftete
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www.fvhf.de



Deutscher Schraubenverband e.V.
www.schraubenverband.de



Fachverband Dübel- und
Befestigungstechnik
www.bv-bausysteme.de



Fachverband Werkzeugindustrie e.V.
www.werkzeug.org



ift Rosenheim, Institut für Fenster-
technik e.V.
www.ift-rosenheim.de



Verband Fenster + Fassade
www.window.de



Industrieverband für Bausysteme
im Metalleichtbau e.V.
www.ifbs.de



Fachverband
Wärmedämm-Verbundsysteme e.V.
www.heizkosten-einsparen.de



Institut Bauen und Umwelt e.V.
www.bau-umwelt.de



Qualitätsverband Solar- und
Dachtechnik e.V.
www.qvsd.de



Informationsstelle Edelstahl Rostfrei
www.edelstahl-rostfrei.de



A member company of
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"Connecting The World"
Global Fastener Alliance®
www.globalfasteneralliance.com

Association work
EJOT is an active member of
various trade associations and
organisations

NEW

Our New Products.



EJOFAST®
Wood screw JF3-6.8
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Stainless steel SAPHIR self-drilling screw
JT4-FR-2H/6-4.8 with centring bush
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Matt clip PV
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Stainless steel SAPHIR self-drilling screw
JT4-LT-2/6-6.0
Page 79

Injection resins
from page 172



Stainless steel SAPHIR self-drilling
(JT4/JT9)-3H/7-5.5x21
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SUPER-SAPHIR self-drilling screw
JT3-18-5.5
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Installation tool ECOset HTK
with battery powered drive
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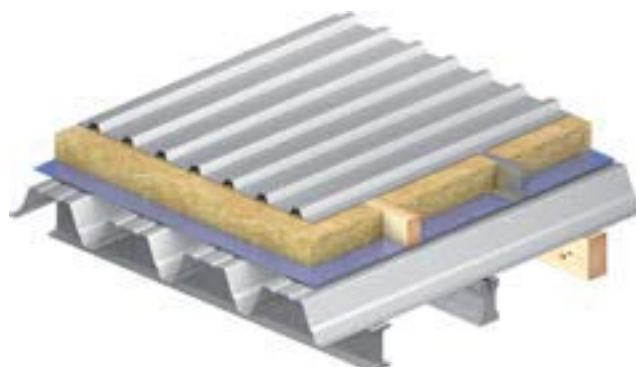
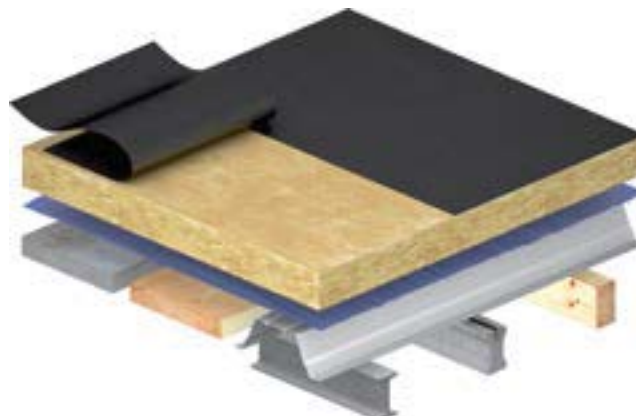


Tube washer HTK 2G
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Facade anchor
SDF-KB-14A
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**Single sheet profile roof**
page 20**Double sheet profile roof**
page 22**Double sheet roof with seam or clamping profiles**
page 24**Roof with sandwich panels**
page 26**Tin tile roof**
page 26**Flat roof with waterproof membrane (uninsulated or insulated)**
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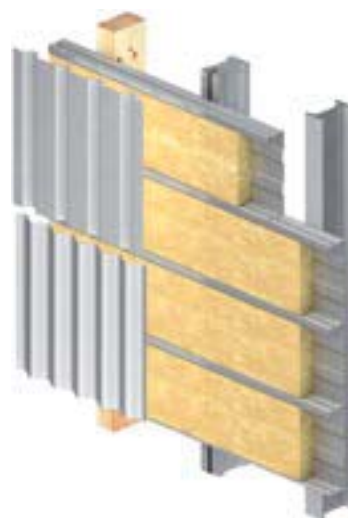
Single sheet profiled wall

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Profiled wall with cassette structure

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Wall with sandwich panels

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Rear-Ventilated Facade

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Fastening Systems for Solar Installations on steep roofs

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Fastening Systems for Solar Installations on flat roofs

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Self-drilling
Screws

Self-tapping
Screws

Solar
Fasteners

Storm
Washers

Special
Screws

Rivets

Direct
Fastening

Scaffolding
Anchors

Deklite®
Flashings

Self-drilling
Roof Screws
Dabo®

Stress Plates /
Flat Roofing Tube
Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
Technology

Installation
Tools

Accessories



General information

Product recommendation

For the product recommendations it is assumed that the objects are buildings with no excessive demands on corrosion, load-carrying capacity or visual appearance, e.g. warehouses, office buildings, sales rooms etc.

The recommendation does not apply to buildings with special demands on the fastening elements due to internal as well as external climatic conditions or which have special demands on the fasteners due to the location of the building.

Structural-physical measures such as the application of vapour barrier sheeting or the insertion of seal strip are not addressed and they need to be considered separately.

The application adviser is only a recommendation without any claim to accuracy or completeness.



For highly corrosive environments we recommend the use of CORREMAKS® self-tapping screws

Cross reference page
CORREMAKS® self-tapping screws 83

EJOT recommends ORKAN storm washers

Special attention should be paid to the waterproofing of fastening elements. Practical experience has shown that leakage of only a few tenth millimetres can lead to considerable damage. For that reason EJOT recommends crown fixing with storm washers. The advantage of a storm washer is safety against rain water penetration in addition to the effect that indentation of the crown can be largely prevented.

Installation into timber

For trapezoidal profile joints the installation depth into timber is regulated by the respective approval. The minimum installation depth of a 6.5 screw is 26 mm and the maximum installation depth, which may be used for calculation, is 78 mm. In practical experience an installation depth of 50 mm into timber has proven to be optimal, since the pullover load of a 0.75 mm thick steel trapezoidal profile shows approximately the same load bearing capacity against pulling-out of a timber purlin with 50 mm installation depth as a 6.5 screw.

Pre-drilling may be omitted if a self-drilling screw is used. Pre-drilling of timber has the advantage that expansion forces, which can lead to splicing of the wood, can be clearly reduced and for that reason a reduction of the edge distance is made possible through pre-drilling.

Side lap stitching

If side lap stitching is not regulated any differently, it has to be spaced 50 - 666 mm apart, according to DIN 18807-3. A screw spacing of 500 mm has proven to be very practical. To prevent stripping of the profiled sheets and destruction of the sealing washers the use of screws with a free spin zone is recommended.

Determination of the screw length

For determination of the minimum screw length it has to be distinguished between self-drilling screws and non self-drilling.

For self-drilling screws the clamp thickness has to be observed. The clamp thickness of a self-drilling screw can be obtained from the product catalogue and is not part of the approval.

For self-tapping fasteners without drill point the cylindrical part of the screw has to be fastened at least 6 mm into the load-bearing component. In practice 20 mm are added to the sum of the thickness of all components that are fastened onto the substructure. The result is the minimum screw length of a self-tapping screw under consideration of sealing washer and assembly unevenness.



Fastening technology for Roofing & Cladding

The application adviser is also available as DIN A1 poster.

Quantity determination

General information

Spacing and position of the fastening elements can be obtained from the static analysis. To determine the exact number of screws this is very tedious and time consuming.

A rough estimate of the required quantity is often very helpful for ordering or calculating. There are empirical values that are expedient if an installation company always works in a similar way and orders the respective amount of fasteners. If the type of construction significantly varies it becomes rather difficult.

Steep roof

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

ca. 2 fastening screws and

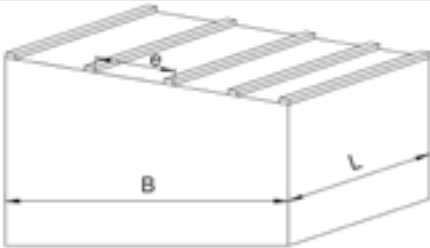
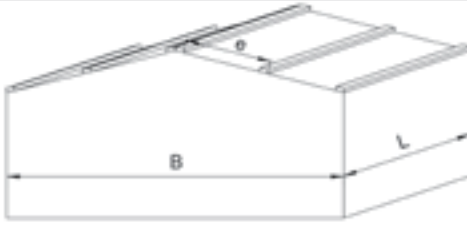
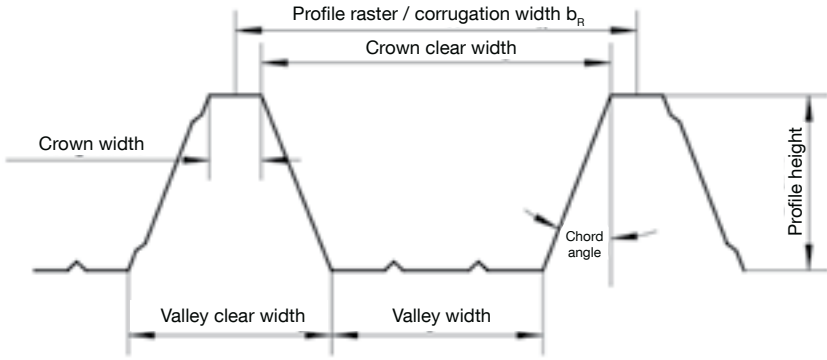
ca. 3 side lap screws per m² steep roof are required.

Flat Roofing

In particular for larger building projects the roofing membrane and fastener manufacturers offer the service of initial sizing with quantity determination. The result of this initial sizing depends directly on the quality of the available data.

It is recommended to request a questionnaire that contains the most important information for the determination of the screw quantity.

For a rough estimate it can be assumed that an average of 4 screws per m² flat roof are required.

Mono-pitched roof	Dual-pitched roof
	
Designations	
	
Mounting screws	Mounting screws
$N = \left(\frac{B}{e} + 3 \right) \cdot \frac{L}{2 \cdot b_R} \text{ resp. } N = \frac{L \cdot B}{2 \cdot e \cdot b_R} + \frac{3L}{2 \cdot b_R}$ $N_1 = 1,2 \cdot N$	$N = \left(\frac{B}{e} + 5 \right) \cdot \frac{L}{2 \cdot b_R} \text{ resp. } N = \frac{L \cdot B}{2 \cdot e \cdot b_R} + \frac{5L}{2 \cdot b_R}$ $N_1 = 1,2 \cdot N$
Side lap screws	
$N_s = \text{Roof- resp. wall surface [m}^2\text{]} \times 2,2 + (\text{Length of building [m]} + \text{width of building [m]}) \times 6$	



Self-drilling
Screws

Self-tapping
Screws

Solar
Fasteners

Storm
Washers

Special
Screws

Rivets

Direct
Fastening

Scaffolding
Anchors

Dekite®
Flashings

Self-drilling
Roof Screws
Dabo®

Stress Plates /
Flat Roofing Tube
Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
Technology

Installation
Tools

Accessories





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EJOT®

Service

Information

EJOT® product key:

for self-drilling and self-tapping screws

This is how you apply the product key on the example of an

EJOT® self-drilling screw JT3-FR-2H-4.8x19

- with sealing washer E11
- colour version RAL 9006



Mandatory

order description



Optional

order description

Example	J	T	3	-	FR	-	2	H	-	4.8	x	19	-	E	11	-	9006
EJOT	J																
Screw type		T															
Self-drilling screw		T															
Side lap screw EJOFAST®		F															
Self-tapping screw coarse thread with point		A															
Self-tapping screw fine pitch thread with dog point		Z															
Self-tapping screw fine pitch thread with point		B															
Self-drilling screw material																	
Case-hardened steel, zinc-plated			2														
A2 stainless steel with hardened steel drill point			3														
A4 stainless steel with hardened steel drill point			6														
A2 stainless steel			4														
A4 stainless steel			9														
Self-tapping screw material																	
A5 stainless steel (1.4529) / Corremaks®			1														
Zinc-plated steel			2														
A2 stainless steel			3														
A2 stainless steel / CRONIMAKS®			7														
Version																	
Standard (hexagon)																	
Truss head					FR												
TORX® drive					T												
Distance					D												
Special head geometry					X												
Countersunk head with TORX®					ST												
Countersunk flange head with TORX®					STS												
Flat head with TORX®					ZT												
Countersunk head					S												
Pan head with TORX®					LT												
Fibre cement					FZ												
max. drillable metal thickness								[mm]									
Free spin zone under screw head							H										
Screw diameter										[mm]							
Screw length												[mm]					
Sealing washer material																	
Zinc-plated steel														V			
A2 stainless steel														E			
Aluminium														A			
Sealing washer diameter															[mm]		
Colour (4-digit RAL number)																	[RAL]

Screw types

Possible point styles



Self-drilling screw
(JT)



EJOFAST®
screw point geometry
(JF)



Fine pitch thread with
dog point
(JZ)



Coarse thread with
point
(JA)



Fine pitch thread
with point
(JB)

Drives



Standard
Hexagon head



Hexagon head with
TORX® drive



TORX® drive
(T)



Cross recess

TORX®

is a registered trademark of Acument Intellectual Properties, LLC, Troy Mich., Up.

Head geometries and versions



Special head geometry
(X)



Countersunk flange
head with TORX® (STS)



Flat head
with TORX®
(ZT)



Truss head
(FR)



Countersunk head/
Countersunk head
with TORX®
(S/ST)



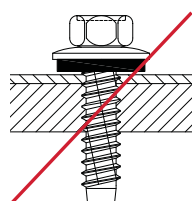
High thread
(D)



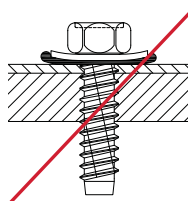
Pan head with TORX®
(LT)



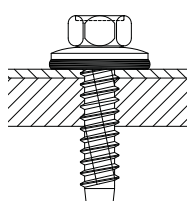
Fibre cement
(FZ)



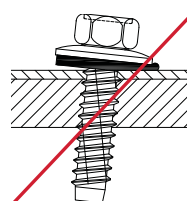
too slight



too tight



correct



sloping

Sealing washer correct installation

Screws with sealing washers must be installed using depth control. Deformation of the sealing washer (washer with elastomer seal) is prevented with the adjustable depth control on the screwdriver.

The sealing washers may not be deformed or the elastomer seal may not be damaged during fastening.



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Screws

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Screws

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Washers

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Rivets

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Concrete Screws

Anchors and
Installation
Technology

Installation
Tools

Accessories

i



General building authorities approvals

Z-14.1-4	Fasteners for structures with "cold profiles" made of sheet steel - in particular profiled steel panels
Z-14.1-537	This approval has been replaced. All fasteners from this approval have been included in ETA-10/0200.
Z-14.4-407	This approval has been replaced with ETA-13/0177.
Z-14.4-426	Self-drilling screws for fixing aluminium clips for building authorities approved standing seam sheets, linear timber components with a min. thickness of 40 mm and other metal parts to substructures made of steel, aluminium or wood-based materials.
Z-14.4-532	Solar Fastening System for fixing solar installations
Z-14.4-645	Roof hooks for solar installation systems
Z-21.8-1265	KERI rain screen anchor – rain screen protection anchor for three-layer external wall panels
Z-21.2-1652	EJOT VSD – cavity wall repair anchor for subsequent installation of outer sheet
Z-31.4-174	Fibre cement corrugated profile 177/51 P5 and P6 with polypropylene strip insert (Eternit)
Z-50.4-337	Board material Max Exterior F - Hexa for steps, platforms and balcony boards (FunderMax)
Z-30.3-6	Products, fasteners and components made of corrosion-resistant steel.

General building authorities approvals

General building authority approvals are granted for construction products and types of construction for which there are no generally acknowledged rules of technology, DIN standards in particular, or which deviate considerably from them.

General building authorities approvals are granted by the Deutsche Institut für Bautechnik (DIBt) for all federal states. They are an assessment of the usability or applicability of the approval subject with regards to the building authorities requirements.

General building authorities test certificates

P-BWU02-148007	Self-drilling screws for fixing aluminium wall brackets to substructures made of aluminium support profile for rear-ventilated facade cladding (JT4-4-4.8xL)
P-BWU02-148008	Fixing aluminium structures to rear-ventilated facade cladding (JZ3-6.3xL; JB3-6.3xL; JA3-6.3xL; JT3-3-5.5xL)
P-BWU02-064191	Self-drilling screws for fixing wooden slats to substructures made of aluminium support profile for regulated rear-ventilated facade cladding according to DIN 18516-1
P-043609	Fixing aluminium structures to rear-ventilated facade cladding (JT4-6-5.5xL; JT4-4-4.8xL; (JT4/JT9)-3H/5-5.5x19; (JT4/JT9)-3H/7-5.5x21)
P-BWU02-148004	Self-drilling screws for fixing aluminium wall brackets to substructures made of aluminium support profile for rear-ventilated facade cladding (JT4/JT9)-3H/5-5.5x19; (JT4/JT9)-3H/7-5.5x21)
P-3444/7404-MPA BS	Steel concrete ceilings in connection with cladding made of Heraklith "Tektalan TK" wood wool multi-layer board with an F120 fire rating acc. to DIN 4102-2 : 1977-09 (TOGE) and fastened with metal insulation support anchors and metal insulation stress plates.

General building authorities test certificates

A general building authorities test certificate is proof of usability granted for

- construction products which do not necessitate the compliance with significant requirements to the safety of structural components or
- for components that can be evaluated according to general approved test methods (§ 19 Abs. 1 Musterbauordnung).

The building code A part 1, part 2 and part 3 lists for which product a general building authorities test certificate can be granted.

Only inspection authorities approved by the DIBt or another building authority are able to grant general building authorities test certificates.

European Technical Approvals



ETA-13/0177	Fasteners for sandwich panel
ETA-07/0013	Fastening elements for roofing membrane systems
ETA-15/0342 ETA-15/0287	Chemical anchors for installation into Multifix PSF
ETA-13/0918	Chemical anchors for installation into Super Epoxy SE 800
ETA-08/0040	Mechanical fasteners made of steel (tie pin) in combination with installation tools
ETA-15/0282	Chemical anchors for installation into Multifix VSF
ETA-13/0219	Anchor bolts for installation into cracked and non-cracked concrete (BA-V; BA-F; BA-E; BA-E HCR)
ETA-99/0007	Rain screen protection anchor WSS for three-layer external wall panels
ETA-10/0200	Fasteners for metal components and sheet metal
ETA-10/0305	SDF-10V and SDF-10H plastic anchors for multiple fastening of non-load-bearing systems in concrete and masonry
ETA-12/0502	SDP-10G plastic anchor for multiple fastening of non-load-bearing systems in aerated concrete
ETA-15/0027	SDF-14A plastic anchor for multiple fastening of non-load-bearing systems in concrete, masonry and aerated concrete
ETA pending	SDF-8V plastic anchor

European Technical Approvals

are proof for the performance of a construction product within the sense of the Construction Products Directive; transposed in Germany by the Bauproduktengesetz ('Construction Products Law'). The ETA is based on tests, examinations and a technical assessment by approval bodies designated by the EU Member States for this purpose. It covers all product characteristics which can be important for the fulfillment of the legal requirements in the member states, with the relevant levels of performance required being different in each member state.

A European technical approval can be granted for construction products for which harmonised specifications according to the Construction Products Directive do not (yet) exist or which deviate substantially from a harmonised standard.

Basis for the assessment of the performance are either Guidelines for European Technical Approvals (ETAGs) prepared by EOTA for the relevant product area, or criteria for assessment procedures that are agreed on with other EOTA bodies for issue of an approval of a specific request. In the interests of the manufacturers the verifications presented to DIBt will be used as far as possible for the European procedure.

The European technical approval enables the manufacturer to place the CE marking on the construction product and thus access to the European market. With the CE marking the manufacturer confirms that he has carried out the prescribed verification method and that the conformity of the product is given with the approval.



Self-drilling
Screws

Self-tapping
Screws

Solar
Fasteners

Storm
Washers

Special
Screws

Rivets

Direct
Fastening

Scaffolding
Anchors

Dekitte®
Flashings

Self-drilling
Roof Screws
Dabo®

Stress Plates /
Flat Roofing Tube
Washers / Anchors

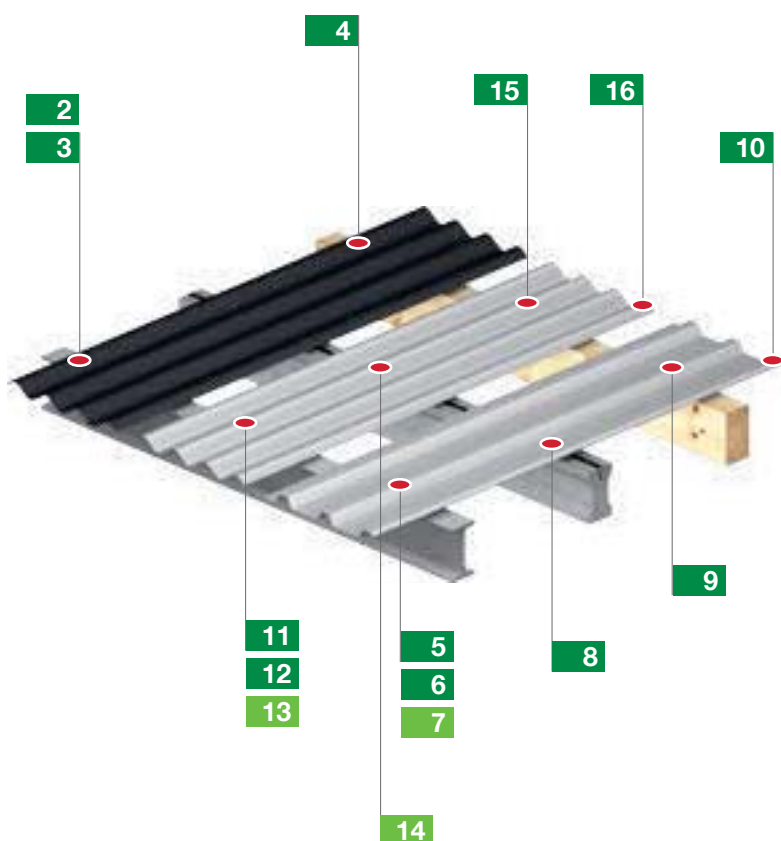
Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
Technology

Installation
Tools

Accessories





Single sheet profile roof

Description

Single sheet uninsulated profile roof, purlin design. The roof cladding is directly fastened to the purlins and it is weather exposed.

Application

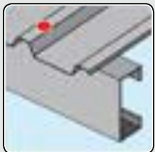
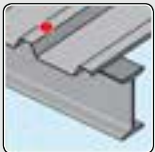
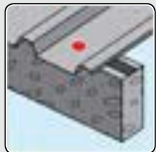
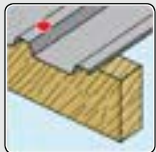
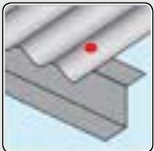
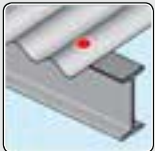
- Roof overhangs
- Sheds
- Carports

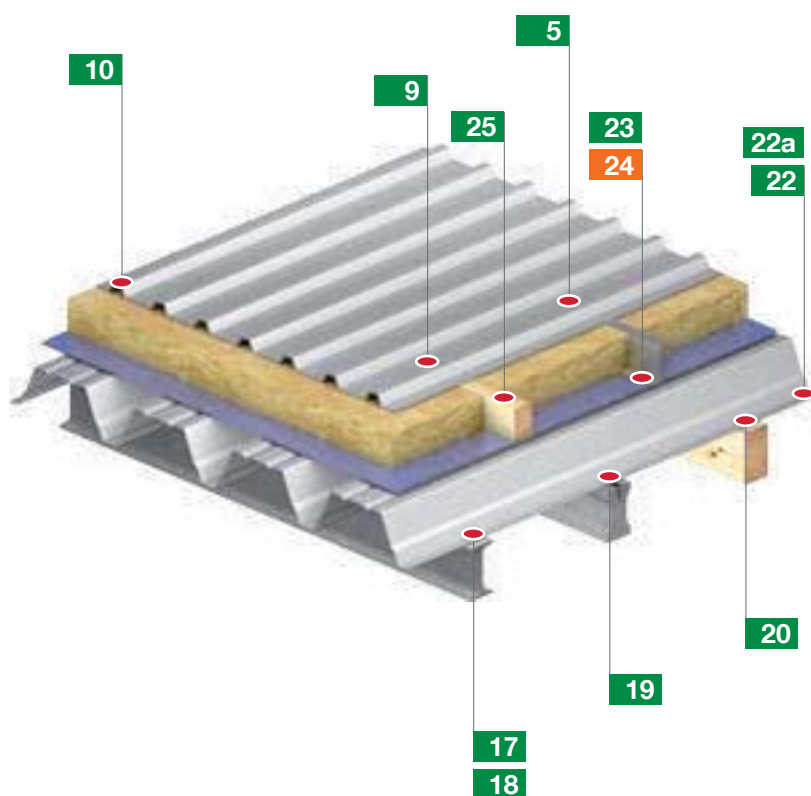
Determination of the screw length

h = height of the trapezoidal or corrugated profile

L = screw length

Profiled sheet to steel substructure						Profiled sheet to insertion rail		Profiled sheet to timber substructure	
1.5 - 5.0 mm		4.0 - 12.0 mm		≥ 10.0 mm		3.0 mm		Min. width 65 mm	
JT3-6-5.5xL-E16 + ORKAN storm washer		JT3-12-5.5xL-E16 + ORKAN storm washer		JZ3-6.3xL-E16 + ORKAN storm washer		JZ3-6.3xL-E16 + ORKAN storm washer		JT3-2-6.5xL-E16 + ORKAN storm washer	
h [mm]	L [mm]	h [mm]	L [mm]	h [mm]	L [mm]	h [mm]	L [mm]	h [mm]	L [mm]
-	-	-	-	0 - 30	50	25 - 33	50	-	65
-	-	-	-	3 - 44	64	39 - 47	64	-	80
18 - 44	70	19 - 43	78	19 - 60	80	55 - 63	80	20 - 50	100
38 - 64	90	39 - 63	98	29 - 70	90	65 - 73	90	40 - 70	120
58 - 84	110	59 - 83	118	39 - 80	100	75 - 83	100	60 - 90	140
78 - 104	130	79 - 103	138	54 - 95	115	90 - 98	115	80 - 110	160
98 - 124	150	99 - 123	158	64 - 105	125	100 - 108	125	100 - 130	180
118 - 144	170	119 - 143	178	74 - 115	135	110 - 118	135	120 - 150	200
138 - 164	190	139 - 163	198	89 - 130	150	125 - 133	150	140 - 170	220
-	-	-	-	114 - 155	175	150 - 158	175	160 - 190	240
-	-	-	-	139 - 180	200	175 - 183	200	180 - 210	260
-	-	-	-	-	-	-	-	200 - 230	280
-	-	-	-	-	-	-	-	220 - 250	300

2 p. 49 Fibre cement board to 1.5-5.0 mm steel purlin  Self-drilling screw JT2-FZ-6-6.3 	3 p. 50 Fibre cement board to 4.0-12.0 mm steel purlin  Self-drilling screw JT2-FZ-12-6.3 	4 p. 50 Fibre cement board to timber purlin min. width 65 mm  Self-drilling screw JT2-FZ-F-6.5 U 	5 p. 63 Trapezoidal profile to steel purlin 1.5-5.0mm  Self-drilling screw JZ3-6-5.5xL-E16 + storm washer 	6 p. 65 Trapezoidal profile to steel purlin 4.0 - 12.0 mm  Self-drilling screw JT3-12-5.5xL-E16 + storm washer 	7 p. 84 Trapezoidal profile to steel purlin ≥ 10.0 mm  Self-tapping screw JZ3-6.3xL-E16 + storm washer 	8 p. 63 Trapezoidal profile to 3.0 mm insertion rail  Self-drilling screw JT3-6-5.5x25-E22 	9 p. 60 Trapezoidal profile to timber purlin min. width 65 mm  Self-drilling screw JT3-2-6.5xL-E16 + storm washer 	10 p. 55 Side lap stitching trapezoidal profile ≤ 2 x 0.88 mm  Side lap screw JF3-2H-4.8x19-E14 	11 p. 63 Corrugated profile sheet to 1.5-5.0 mm steel purlin  Self-drilling screw JZ3-6-5.5xL-E16 + storm washer 	12 p. 65 Corrugated profile sheet to 4.0-12.0 mm steel purlin  Self-drilling screw JT3-12-5.5xL-E16 + storm washer 	13 p. 84 Corrugated profile sheet to steel purlin ≥ 10.0 mm  Self-tapping screw JZ3-6.3xL-E16 + storm washer 	14 p. 84 Corrugated profile sheet to 3.0 mm insertion rail  Self-tapping screw JZ3-6.3xL-E16 + storm washer 	15 p. 60 Corrugated profile sheet to timber purlin min. width 65 mm  Self-drilling screw JT3-2-6.5xL-E16 + storm washer 	16 p. 58 Side lap stitching of corrugated profile sheet  Self-drilling screw JT3-FR-2H-Plus-5.5x25-E11 
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Double sheet profile roof

Description

At first the load-bearing shell is fastened to the steel or wooden slats inside. The external roof shell is kept apart through thin-walled spacers. The external roof shell serves for weather protection, the internal load-bearing shell for load bearing.

Application

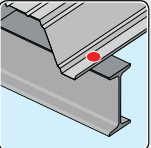
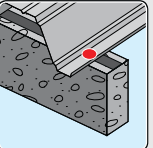
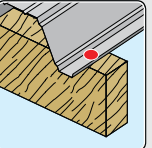
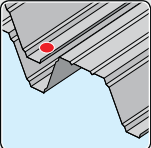
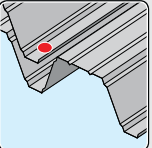
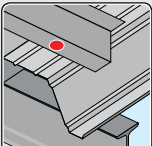
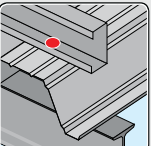
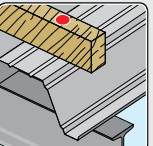
- Heated buildings of all kind and scope

Determination of the screw length

h = height of the trapezoidal or corrugated profile

L = screw length

Profiled sheet to steel substructure						Profiled sheet to insertion rail		Profiled sheet to timber substructure	
1.5 - 5.0 mm		4.0 - 12.0 mm		≥ 10.0 mm		3.0 mm		Min. width 65 mm	
JT3-6-5.5xL-E16 + ORKAN storm washer		JT3-12-5.5xL-E16 + ORKAN storm washer		JZ3-6.3xL-E16 + ORKAN storm washer		JZ3-6.3xL-E16 + ORKAN storm washer		JT3-2-6.5xL-E16 + ORKAN storm washer	
h [mm]	L [mm]	h [mm]	L [mm]	h [mm]	L [mm]	h [mm]	L [mm]	h [mm]	L [mm]
-	-	-	-	0 - 30	50	25 - 33	50	-	65
-	-	-	-	3 - 44	64	39 - 47	64	-	80
18 - 44	70	19 - 43	78	19 - 60	80	55 - 63	80	20 - 50	100
38 - 64	90	39 - 63	98	29 - 70	90	65 - 73	90	40 - 70	120
58 - 84	110	59 - 83	118	39 - 80	100	75 - 83	100	60 - 90	140
78 - 104	130	79 - 103	138	54 - 95	115	90 - 98	115	80 - 110	160
98 - 124	150	99 - 123	158	64 - 105	125	100 - 108	125	100 - 130	180
118 - 144	170	119 - 143	178	74 - 115	135	110 - 118	135	120 - 150	200
138 - 164	190	139 - 163	198	89 - 130	150	125 - 133	150	140 - 170	220
-	-	-	-	114 - 155	175	150 - 158	175	160 - 190	240
-	-	-	-	139 - 180	200	175 - 183	200	180 - 210	260
-	-	-	-	-	-	-	-	200 - 230	280
-	-	-	-	-	-	-	-	220 - 250	300

5 p. 63 Trapezoidal profile to steel purlin 1.5-5.0mm  Self-drilling screw JT3-6-5.5xL-E16 + storm washer   	9 p. 60 Trapezoidal profile to timber purlin min. width 65 mm  Self-drilling screw JT3-2-6.5xL-E16 + storm washer   	10 p. 55 Side lap stitching trapezoidal profile $\leq 2 \times 0.88$ mm  Side lap screw JF3-2H-4.8x19-E14  	17 p. 48 Load-bearing shell to 1.5-6.0 mm steel purlin  Self-drilling screw JT2-6-5.5xL-V16  	18 p. 115 Load-bearing shell to steel purlin ≥ 6.0 mm  Tie pin HSBP-14  	19 p. 48 Load-bearing shell to 3.0 mm insertion rail  Self-drilling screw JT2-6-5.5x25-V16  	20 p. 60 Load-bearing shell to timber purlin min. width 65 mm  Self-drilling screw JT3-2-6.5xL-E16  	22 p. 45 Side lap stitching load-bearing shell $\leq 2 \times 0.88$ mm  Side lap screw JF2-2H-4,8x19  	22a p. 46 Side lap stitching load-bearing shell 2 x 1.0-2 x 1.5 mm  Self-drilling screw JT2-3-4.8x19  	23 p. 58 Steel spacer 1.5-2.0 mm to load-bearing shell  Self-drilling screw JT3-2H-Plus-5.5xL-E16  	24 p. 113 Steel spacer > 1.5 mm to load-bearing shell  Bulbtite rivet 5.2xL U 	25 p. 70 Wooden spacer to load-bearing shell  Self-drilling screw JT3-ST-2-6.0xL  
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Self-drilling Screws

Self-tapping Screws

Solar Fasteners

Storm Washers

Special Screws

Rivets

Direct Fastening

Scaffolding Anchors

Deklite® Flashings

Self-drilling Roof Screws Dabo®

Stress Plates / Flat Roofing Tube Washers / Anchors

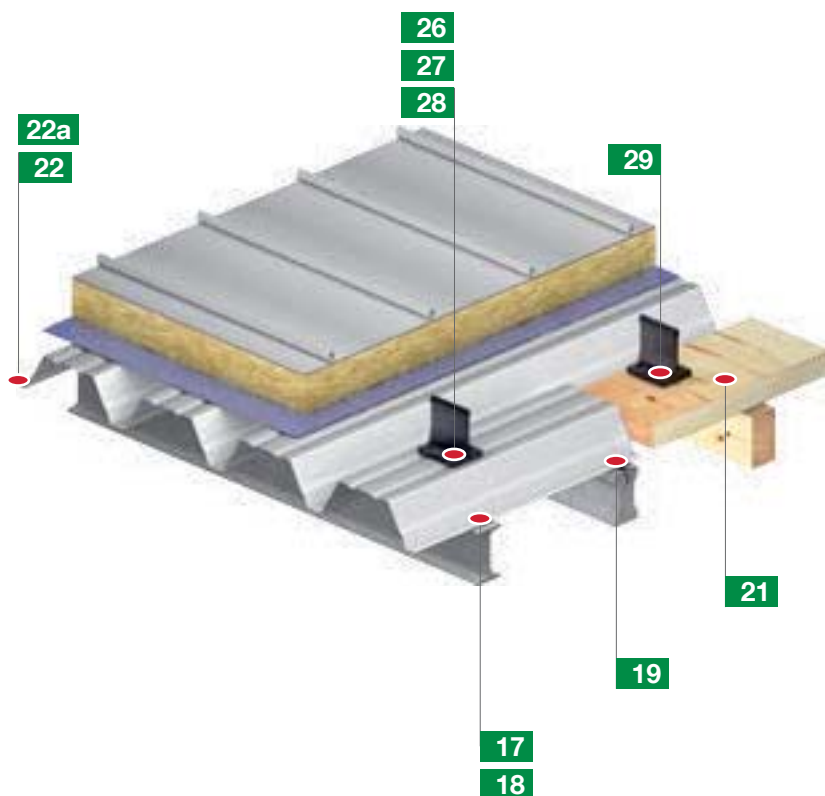
Concrete Screws / Aerated Concrete Screws

Anchors and Installation Technology

Installation Tools

Accessories





Note

The JT3-X-2-6.0xL self-drilling screw is a building authorities approved product to fasten clips to substructures made of steel, timber or aluminium. Every clip has to be fixed with 2 screws in the order depicted below. The special characteristic of the screw are the grooves under the head. They are able to considerably increase the stripping torque, which leads to an increased installation reliability. Sealing washers have to be used for set up 1.

Double-sheet roof with seam or clamping profile

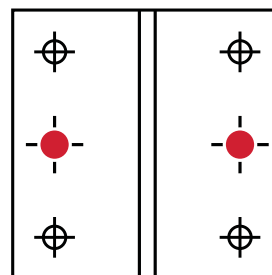
Description

At first the load-bearing shell is fastened to the steel or wooden slats inside. The clips for fixing standing seam systems are fastened with self-drilling screws, either directly to the load-bearing shell or indirectly to an additional spacer. The outer sheet is fixed to the clips with a folding machine.

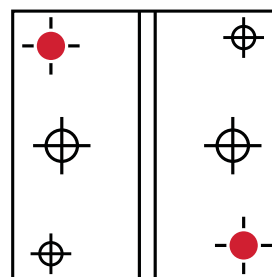
Application

- Heated buildings of all kind and scope
- Arched roofs
- Barrel roofs

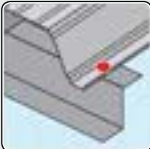
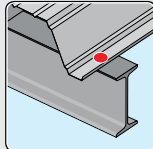
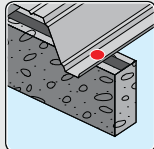
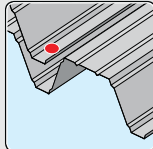
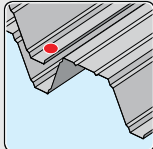
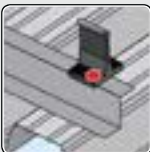
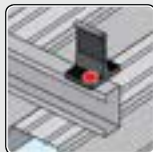
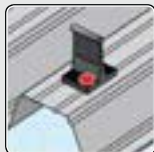
Position of the fastening elements



Set up 1 (sealing washers must be used)



Set up 2

17 page 48 Load-bearing shell to 1.5-6.0 mm steel purlin  Self-drilling screw JT2-6-5.5xL-V16  	18 p. 49 Load-bearing shell to 4.0-12.0 mm steel purlin  Self-drilling screw JT2-12-5.5xL-V16  	19 p. 48 Load-bearing shell to 3.0 mm insertion rail  Self-drilling screw JT2-6-5.5x25-V16  	21 p. 70 Roof boarding/ OSB to timber purlin Min. width 65 mm  Self-drilling screw JT3-ST-2-6.0xL  	22 p. 45 Side lap stitching load-bearing shell ≤ 2 x 0.88 mm  Side lap screw JF2-2H-4,8x19  	22a p. 46 Side lap stitching load-bearing shell 2 x 1.0-2 x 1.5 mm  Self-drilling screw JT2-3-4.8x19  
26 p. 70 Clip to spacer ≤ 1.5 mm  Self-drilling screw JT3-X-2-6.0xL  	27 p. 63 Clip to 1.5-5.0 mm spacer  Self-drilling screw JT3-6-5,5xL  	28 p. 57 Clip to trapezoidal profile ≤ 2 x 1.0 mm  Thin sheet metal screw JF3-2-5.5xL-E16  	29 p. 70 Clip to roof boarding / OSB  Self-drilling screw JT3-X-2-6.0xL  		

Determination of the screw length

h = clip height

L = screw length

Clip on steel substructure				Clip on roof boarding / OSB boards	
JT3-X-2-6.0xL		JT3-6-5,5xL		JT3-X-2-6.0xL	
h [mm]	L [mm]	h [mm]	L [mm]	h [mm]	L [mm]
0 - 10	25	0 - 5	25	0 - 5	36
0 - 20	36	0 - 10	30	0 - 15	46
0 - 30	46	0 - 15	35	-	-
-	-	20 - 30	50	-	-



Roof with sandwich panels

Description

Sandwich panels are composite elements. They consist of two metallic layers that are usually connected shear resistant with polyurethane foam. The ratio of weight to load-carrying capacity and the insulating properties are unbeatable. Sandwich panels are fastened directly to the substructure. The following element is pushed to the assembled element from the side and then fastened.

Application

- Heated buildings of all size and scope

Tin tile roof

Description

Single-shell uninsulated profile roof, purlin design.

The roof cladding is fastened to wooden slats and it is weather exposed.

Application

- Roof overhangs
- Sheds
- Carports

Determination of the screw length

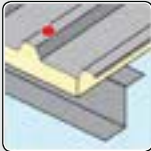
h = height sandwich panel or corrugated profile

L = screw length

Sandwich panel to steel substructure						Sandwich panel to insertion rail		Sandwich panel to timber substructure	
1.5 - 5.0 mm		4.0 - 12.0 mm		≥ 10.0 mm		3.0 mm		Min. width 65 mm	
JT3-6-5.5xL-E16 + ORKAN storm washer		JT3-12-5.5xL-E16 + ORKAN storm washer		JZ3-6.3xL-E16 + ORKAN storm washer		JZ3-6.3xL-E16 + ORKAN storm washer		JT3-2-6.5xL-E16 + ORKAN storm washer	
h [mm]	L [mm]	h [mm]	L [mm]	h [mm]	L [mm]	h [mm]	L [mm]	h [mm]	L [mm]
-	-	-	-	40	50	25 - 33	50	-	65
-	-	-	-	40	64	39 - 47	64	-	80
20 - 40	70	20 - 40	78	40 - 55	80	55 - 63	80	20 - 45	100
40 - 60	90	40 - 60	98	40 - 70	90	65 - 73	90	40 - 65	120
60 - 80	110	60 - 80	118	40 - 80	100	75 - 83	100	60 - 85	140
80 - 100	130	80 - 100	138	50 - 95	115	90 - 98	115	80 - 105	160
100 - 120	150	100 - 120	158	60 - 105	125	100 - 108	125	100 - 125	180
120 - 140	170	120 - 140	178	70 - 115	135	110 - 118	135	120 - 145	200
140 - 160	190	140 - 160	198	90 - 130	150	125 - 133	150	140 - 165	220
-	-	-	-	100 - 145	165	150 - 158	175	160 - 185	240
-	-	-	-	110 - 155	175	175 - 183	200	180 - 205	260
-	-	-	-	140 - 180	200	-	-	200 - 225	280
-	-	-	-	160 - 200	220	-	-	220 - 245	300
-	-	-	-	210 - 250	270	-	-	-	-

30 p. 63

Sandwich panel to
1.5-5.0 mm steel
purlin

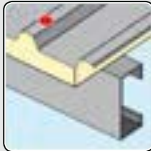


Self-drilling screw
JT3-6-5.5xL-E16
+ storm washer



31 p. 65

Sandwich panel to
4.0-12.0 mm steel
purlin

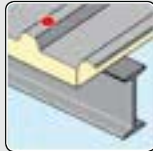


Self-drilling screw
JT3-12-5.5xL-E16
+ storm washer



32 p. 84

Sandwich panel to
steel purlin
≥ 10.0 mm

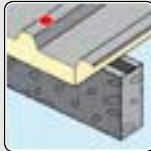


Self-tapping screw
JZ3-6.3xL-E16
+ storm washer



33 p. 84

Sandwich panel to
3.0 mm insertion rail

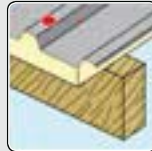


Self-tapping screw
JZ3-6.3xL-E16
+ storm washer



34 p. 61

Sandwich panel to
timber purlin
min. width 65 mm

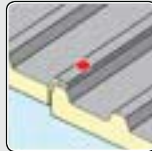


EJOFast® wood screw
JF3-6.8xL
+ storm washer



35 p. 55

Sandwich panel side
lap stitching



Side lap screw
JF3-2H-4.8x19-E14



1 p. 60

Roofing sheet to
timber substructure



Self-drilling screw
JT3-2-6.5xL-E16



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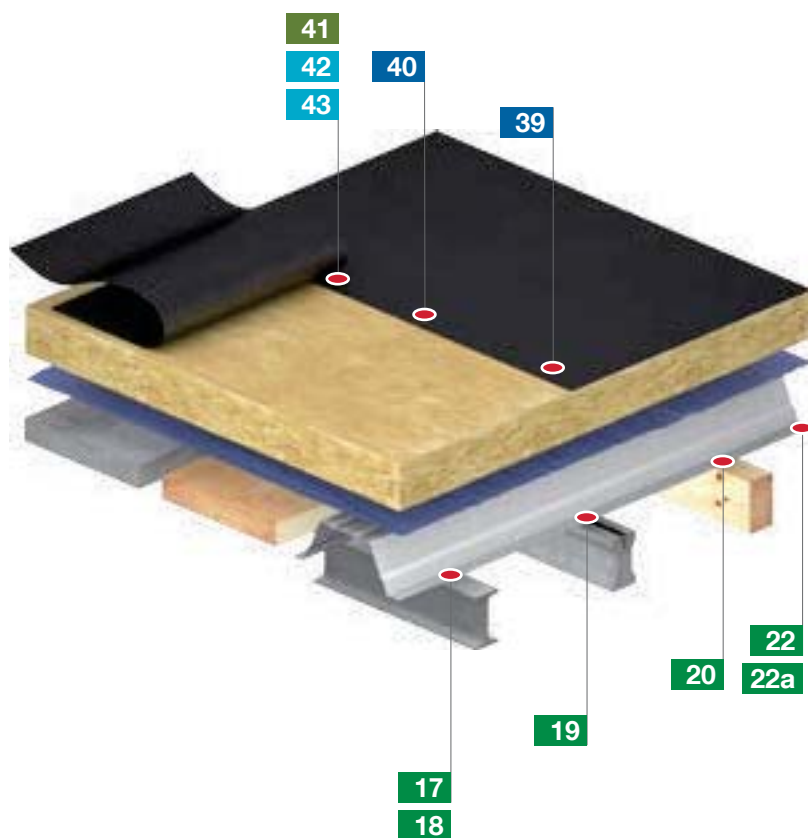
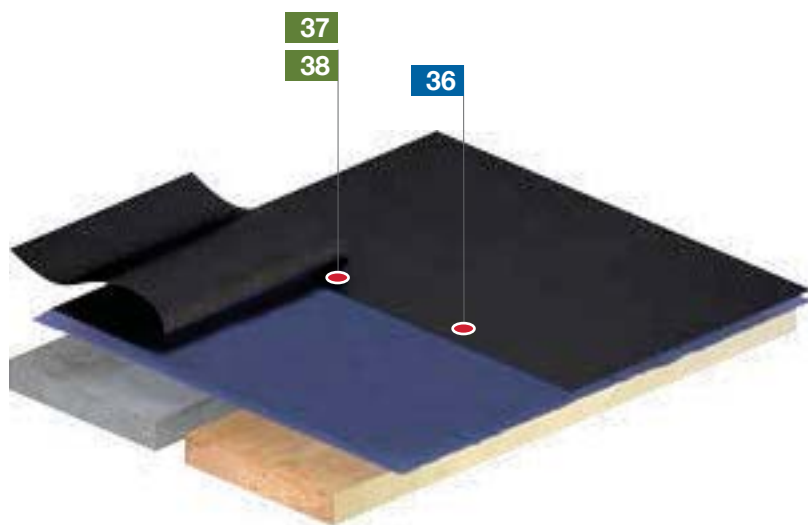
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Application advice



Flat roofs

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 Engineering

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 fixing

The system of loose laying with mechanical fixing of roof sealing as economic flat roof system is well established especially in industrial construction. Special positive characteristics of mechanical fixing are:

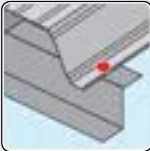
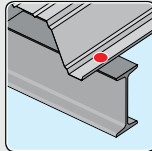
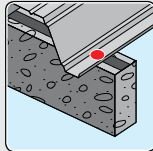
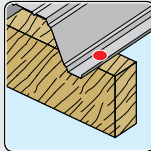
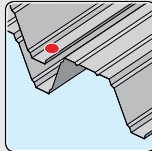
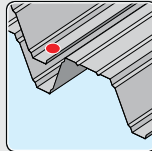
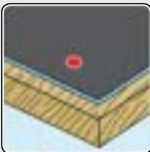
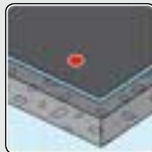
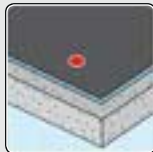
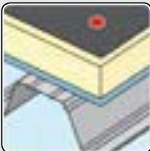
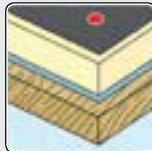
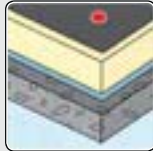
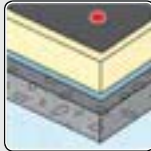
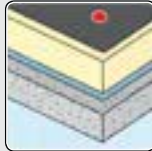
- Immediately usable fixing without waiting time
- Fixing in one work step
- Specified type of fixing
- No restrictions due to building use or surface condition
- Manual or mechanical installation process

Depending on the flat roof set-up and the used insulation and/or sealing membranes, metal or plastic stress plate combinations may be used as fastening element.

In case of renovation the currently valid flat roof guidelines require the use of corrosion resistant fasteners, for this case stainless steel fasteners are available.

As a rule all steel fasteners are Climadur coated, which meet the high corrosion protection requirements of ETAG 006 after 15 Kesternich cycles.

The proper usability of all fasteners for mechanical flat roof fixing are building authorities regulated within Europe by the ETA-07/0013. In case of renovations or substrate with unknown carrying capacity the ETAG 006 calls for on-site pull-out tests. Our on-site service team will gladly assist you with this.

17p. 48 Load-bearing shell to 1.5-6.0 mm steel purlin  Self-drilling screw JT2-6-5.5xL-V16  	18p. 49 Load-bearing shell to 4.0-12.0 mm steel purlin  Self-drilling screw JT2-12-5.5xL-V16  	19p. 48 Load-bearing shell to 3.0 mm insertion rail  Self-drilling screw JT2-6-5.5x25-V16  	20p. 60 Load-bearing shell to timber purlin min. width 65 mm  Self-drilling screw JT3-2-6.5xL-E16  	22p. 45 Side lap stitching load-bearing shell ≤ 2 x 0.88 mm  Side lap screw JF2-2H-4,8x19  	22a p. 46 Side lap stitching load-bearing shell 2 x 1.0-2 x 1.5 mm  Self-drilling screw JT2-3-4.8x19  
36p. 137 Waterproofing membrane to roof boarding / OSB  Dabo® screw VHT-R-4.8xL + HTV-40 RU  	37p. 149 Waterproofing membrane to concrete  Concrete screw FBS-R-6.3xL + HTV 82/40 F  	38p. 150 Waterproofing membrane to aerated concrete  Aerated concrete screw FPS-E-8.0xL + HTV 82/40 F  			
39p. 135 Waterproofing membrane with insulation to trapezoidal profile  Dabo® screw TKR-4.8xL + HTK 26xL  	40p. 135 Waterproofing membrane with insulation to roof boarding / OSB  Dabo® screw TKR-4.8xL + HTK 26xL  	41p. 149 Waterproofing membrane with insulation to concrete  Concrete screw FBS-R-6.3xL + EcoTek 50xL  	42p. 147 Waterproofing membrane with insulation to concrete and lightweight concrete  Flat roofing anchor FDD-Plus-50  	43p. 147 Waterproofing membrane with insulation to aerated concrete  Flat roofing anchor FDD-Plus-50  	



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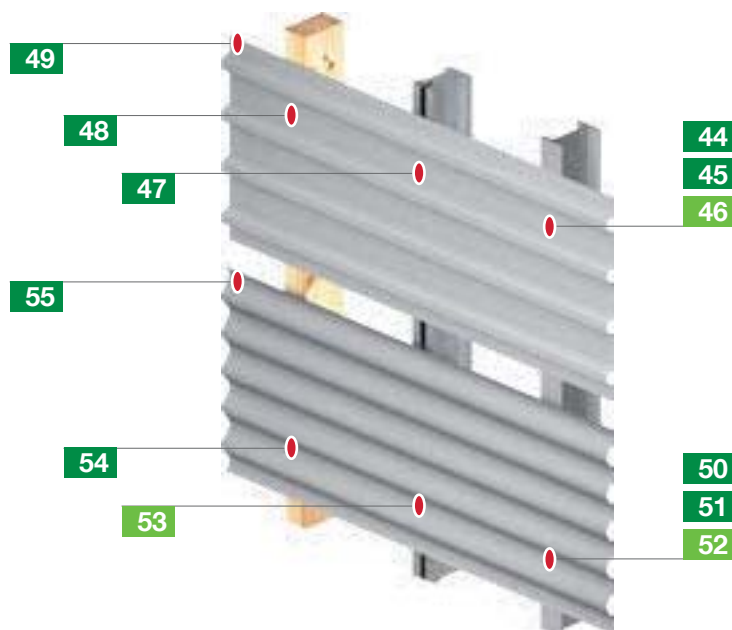
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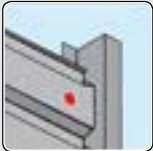
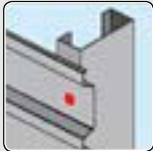
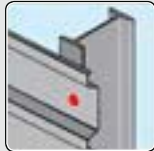
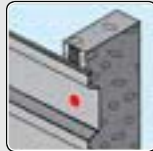
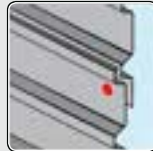
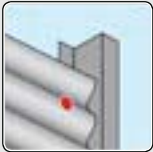
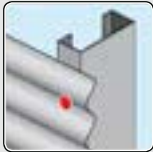
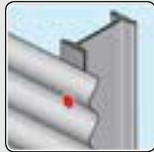
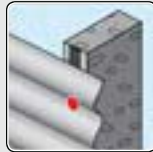
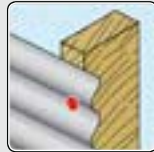
Single sheet profiled wall

Description

The trapezoidal profile is directly fastened to the post or rail and it is weather exposed.

Application

- Simple sheds, carports, bicycle sheds

44 p. 63 Trapezoidal profile to steel purlin 1.5-5.0 mm  Self-drilling screw JT3-6-5.5xL-E16  	45 p. 65 Trapezoidal profile to steel purlin 4.0 - 12.0 mm  Self-drilling screw JT3-12-5.5xL-E16  	46 p. 84 Trapezoidal profile to steel purlin ≥ 10.0 mm  Self-tapping screw JZ3-6.3xL-E16  	47 p. 63 Trapezoidal profile to 3.0 mm insertion rail  Self-drilling screw JT3-6-5.5x25-E22  	48 p. 60 Trapezoidal profile to timber purlin min. width 65 mm  Self-drilling screw JT3-2-6.5xL-E16  	49 p. 55 Side lap stitching trapezoidal profile ≤ 2 x 0.88 mm  Side lap screw JF3-2H-4.8x19-E14  
50 p. 64 Corrugated aluminium profile sheet to 1.5-5.0 mm steel purlin  Self-drilling screw JT3-FR-6-5.5xL-E11  	51 p. 66 Corrugated aluminium profile sheet to 4.0-12.0 mm steel purlin  Self-drilling screw JT3-FR-12x5.5L-E11  	52 p. 84 Corrugated aluminium profile sheet* to steel purlin ≥ 10.0 mm  Self-tapping screw JZ3-6.3xL-E16 *18/76 with E14  	53 p. 64 Corrugated aluminium profile sheet to 3.0 mm insertion rail  Self-drilling screw JT3-FR-6-5.5x25-E11  	54 p. 57 Corrugated aluminium profile sheet to timber purlin min. width 65 mm  Self-drilling screw JT3-FR-2-4.9x35-E11  	55 p. 55 Side lap stitching of corrugated aluminium profile sheet ≤ 2 x 0.88 mm  Side lap screw JF3-2H-4.8x19-E14  



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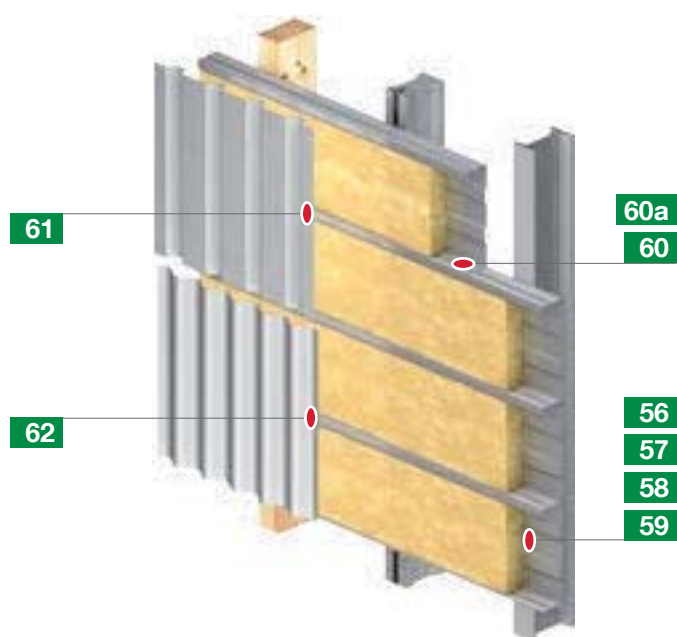
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Profiled wall with cassette structure

Description

The cassette is directly fastened to steel supports. The outer sheet is fastened to the cassette bars and does not only serve as weather protection but also as bracing for the cassettes. The cassette wall positively serves as noise and fire protection. The insulating properties of a cassette wall are not as good compared to other types of construction.

Application

- Heated buildings
- Buildings with high noise level
- Buildings with increased demands on fire protection
- Buildings with heat from production processes

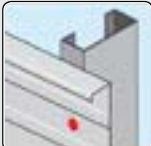
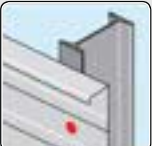
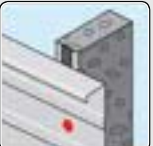
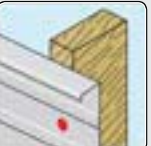
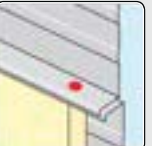
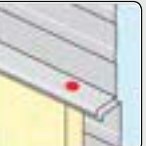
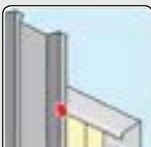
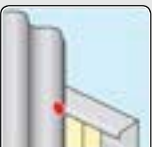
Note

The fastening elements may only be mounted max. 75 mm away from the cassette bars. The fastener in the middle of the cassette does not serve for load-transmission but it has only a structural character.

Depending on cassette type and manufacturer it is not easy to adhere to the 75 mm during installation and at the same time install the fastening element vertical to the surface.

The closer the longitudinal seam screw is positioned to the valley the more effective condensation problems can be prevented. The corrugation bridges are not a positioning aid for the side lap stitching of cassettes.

The approval for the fasteners suitable for cassette wall structures includes a joint, where component II consists of two overlapping profiled sheets, which leads to an improved load-carrying capacity.

56p. 48 Cassette to 1.5-5.0 mm steel purlin  Self-drilling screw JT2-6-5.5xL-V16  	57p. 49 Cassette to 4.0-12.0 mm steel purlin  Self-drilling screw JT2-12-5.5xL-V16  	58p. 48 Cassette to 3.0 mm insertion rail  Self-drilling screw JT2-6-5.5x25-V16  	59p. 60 Cassette to timber purlin min. width 65 mm  Self-drilling screw JT3-2-6.5xL-E16  	60p. 55 Cassette side lap stitching ≤ 2 x 0.88 mm  Side lap screw JF3-2H-4.8x19-E14  	60ap. 46 Cassette side lap stitching 2 x 1.0-2 x 1.5 mm  Self-drilling screw JT2-3-4.8x19  
61p. 58 Trapezoidal profile to 2 x 0.63 - 2 x 1.25 mm cassette  Self-drilling screw JT3-2H-Plus- 5.5xL-E16  	62p. 58 Corrugated profile sheet to 2 x 0.63 - 2 x 1.25 mm cassette  Self-drilling screw JT3-FR-2H-Plus- 5.5xL-E11  				



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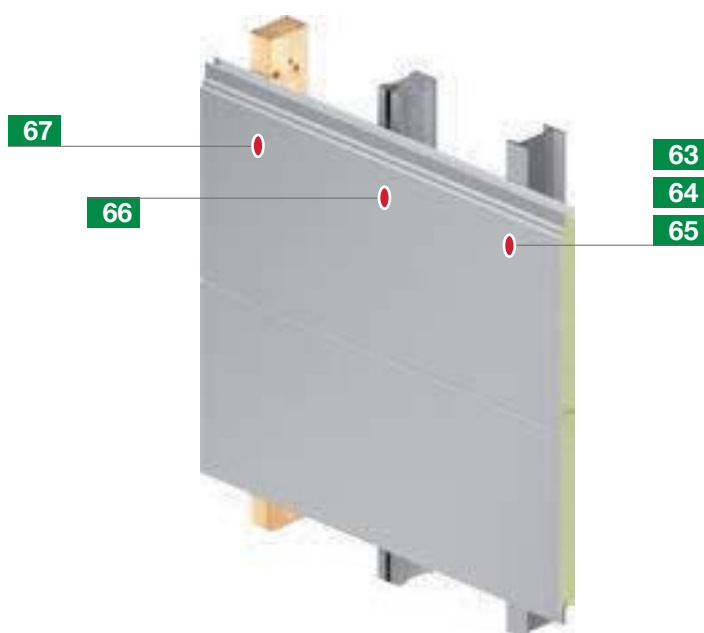
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**Note**

Practical experience has shown that visibly installed sandwich panels always show a slight indentation at the fastening point. When using screws with high thread (JT3-D) indentations can be reduced but not completely prevented.

Wall with sandwich panels**Description**

Sandwich panels are composite elements. They consist of two metallic layers that are usually connected shear resistant with polyurethane foam. The ratio of weight to load-carrying capacity is unbeatable. Composite elements are fastened directly to the substructure. The following element is pushed to the assembled element from the side and then fastened.

Application

- Heated buildings of all size and scope

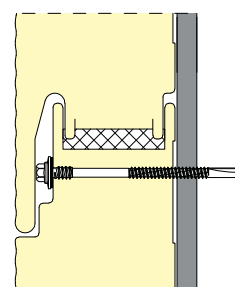


Fig. 1
Not visible sandwich panel installation

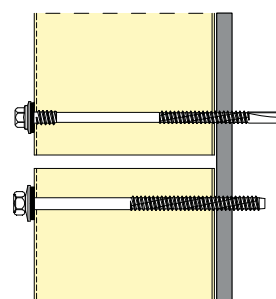
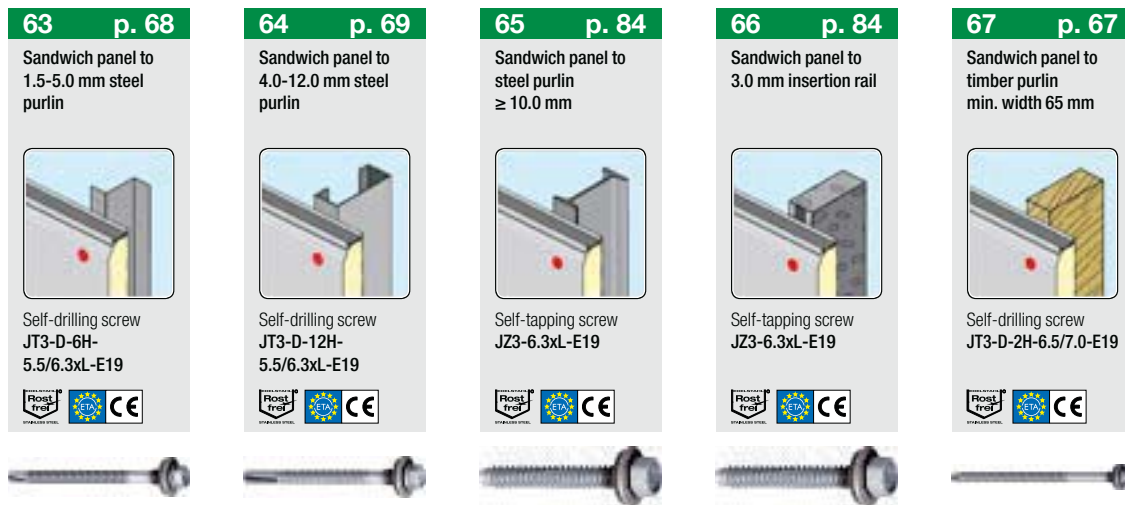


Fig. 2
Visible sandwich panel installation



Determination of the screw length

h = height sandwich panel

L = screw length

Sandwich element to steel substructure						Sandwich elements to insertion rail		Sandwich element to timber substructure	
1.5 - 5.0 mm		4.0 - 12.0 mm		≥ 10.0 mm		3.0 mm		Min. width 65 mm	
JT3-D-6H-5.5/6.3xL-E19		JT3-D-12H-5.5/6.3xL-E19		JZ3-6.3xL-E19		JZ3-6.3xL-E19		JT3-D-2H-6.5/7.0-E16	
h [mm]	L [mm]	h [mm]	L [mm]	h [mm]	L [mm]	h [mm]	L [mm]	h [mm]	L [mm]
-	-	-	-	0 - 30	50	25 - 33	50	-	-
35 - 40	67	36 - 40	75	3 - 44	64	39 - 47	64	20 - 45	100
42 - 60	87	48 - 60	95	19 - 60	80	55 - 63	80	40 - 65	120
52 - 80	107	58 - 80	115	29 - 70	90	65 - 73	90	60 - 85	140
72 - 100	127	72 - 100	135	39 - 80	100	75 - 83	100	80 - 105	160
92 - 120	147	92 - 120	155	54 - 95	115	90 - 98	115	100 - 125	180
112 - 140	167	110 - 140	175	64 - 105	125	100 - 108	125	120 - 145	200
140 - 170	197	130 - 160	195	74 - 115	135	110 - 118	135	140 - 165	220
170 - 210	237	170 - 210	245	89 - 130	150	125 - 133	150	160 - 185	240
200 - 240	267	200 - 240	275	114 - 155	175	150 - 158	175	180 - 225	280
-	-	225 - 265	300	139 - 180	200	175 - 183	200	220 - 245	300



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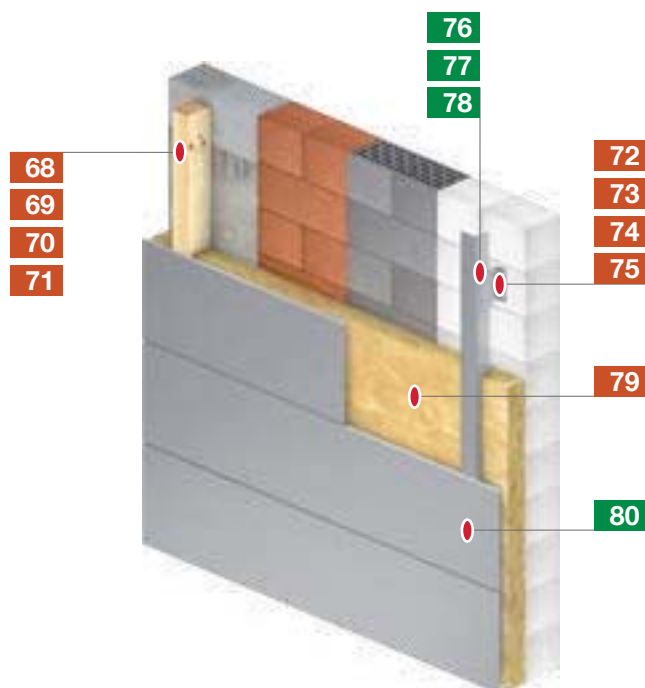
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Note

Support profiles and wall brackets of rear ventilated facades are often made of aluminium. In order to prevent restraints in the design, the wall brackets are equipped with slotted and round holes.

In order to keep the screw joint in the slotted hole moveable, the EJOT® self-drilling screw JT4-3H/5-5.5x19 is used.

A thread-free area under the screw head sits in the slotted hole of the wall bracket after the installation. The support profile (component II) is prevented by a free spin zone in front of the thread-free area from force-locking the components.

The application area of this screw is limited to a 3.0 mm thick wall bracket and a support profile with a thickness from 1.6 mm to 2.0 mm.

Rear-Ventilated Facade

Description

Rear ventilated facades (VHF) are characterised by structurally separated insulation and cladding of the system. The rear ventilated area regulates the moisture equilibrium of the building. A substructure, which is fixed to the solid substrate with anchors, serves as distancing assembly of the cladding and this way a rear ventilated area between insulation and outer layer is created.

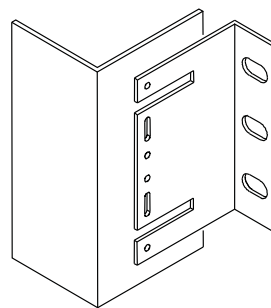
Application

Cladding of a rear ventilated facade

- Plaster-base sheeting
- Tile
- Resin composite panels

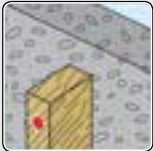
Advantages:

The construction possibilities and the structural-physical properties are the reason for the attractiveness of a rear ventilated facade



Support profile and wall bracket

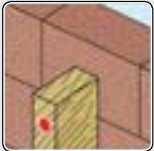
68 p. 156
Fixing timber substructure to concrete



Facade anchor
SDF-S-10VxL ¹⁾



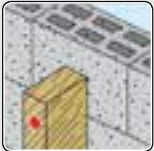

69 p. 156
Fixing timber substructure to solid brick



Facade anchor
SDF-S-10VxL ¹⁾



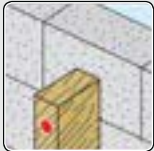

70 p. 158
Fixing timber substructure to hollow / perforated brick



Facade anchor
SDF-S-10HxL ¹⁾




71 p. 162
Fixing timber substructure to aerated concrete



Facade anchor
SDP-S-10GxL ¹⁾

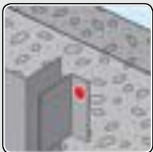



Note:

¹⁾ The effective length of the anchor (L) has to be suitable for the thickness of the non-bearing surface (e.g. render layer) and the thickness of the amounted part.

²⁾ A4 stainless steel available upon request

72 p. 157
Fixing metal substructure to concrete



Facade anchor
SDF-KB-10Vx50 ¹⁾



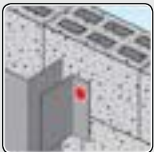

73 p. 157
Fixing metal substructure to solid brick



Facade anchor
SDF-KB-10Vx60 ¹⁾



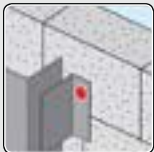

74 p. 159
Fixing metal substructure to hollow / perforated brick



Facade anchor
SDF-KB-10Hx80 ¹⁾



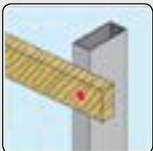

75 p. 163
Fixing metal substructure to aerated concrete



Facade anchor
SDP-KB-10Gx80 ¹⁾



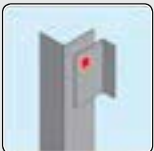

76 p. 76
Fixing timber to aluminium



Self-drilling screw
JT4-S-2-4.8xL



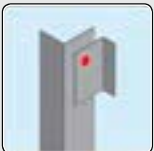

77 p. 77
Fixing wall bracket (3 mm) to support profile (2 mm)



Self-drilling screw
JT4-3H/5-5.5x19 ²⁾



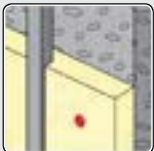

78 p. 77
Fixing 5mm pre-drilled wall support to 2 mm profile.



Self-drilling screw
JT4-3H/7-5.5x21 ²⁾



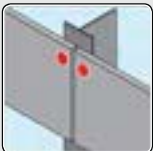

79 p. 168
Insulation fixing



Insulation support anchor
DH



80 p. 78
Facade panel to aluminium substructure ≤ 3 mm



Self-drilling screw
JT4-STS-3-4.8




Self-drilling
Screws

Self-tapping
Screws

Solar
Fasteners

Storm
Washers

Special
Screws

Rivets

Direct
Fastening

Scaffolding
Anchors

Dekite®
Flashings

Self-drilling
Roof Screws
Dabo®

Stress Plates /
Flat Roofing Tube
Washers / Anchors

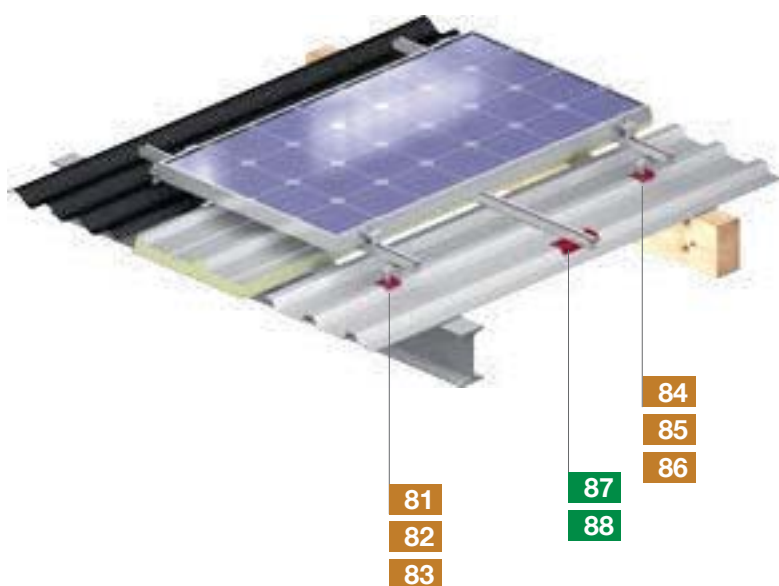
Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
Technology

Installation
Tools

Accessories

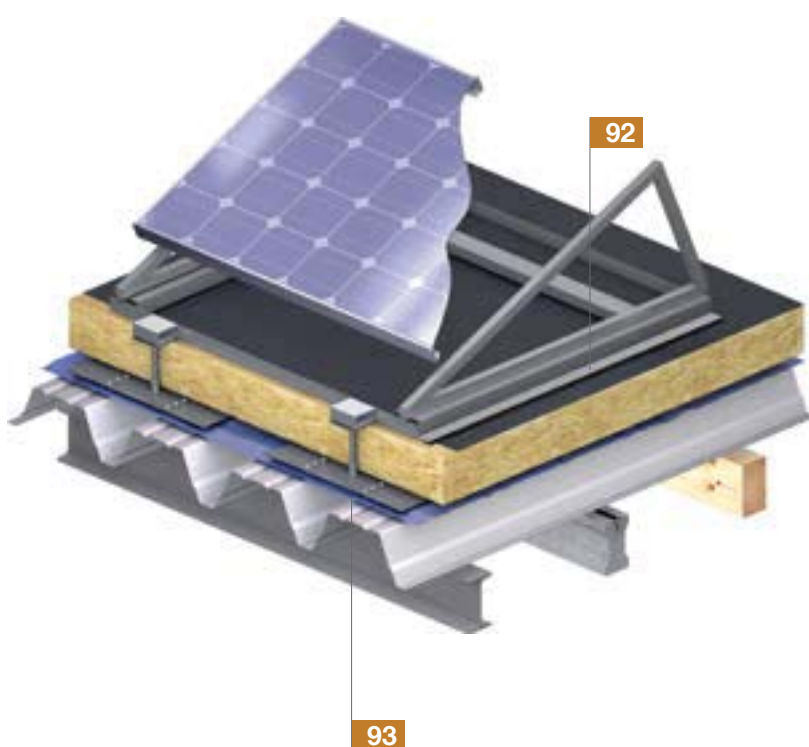




Fastening systems for solar installations on steep roofs

Description

The Solar Fastener was the first stainless steel fastening element, building authorities approved by the DIBT (German Institute for Construction), to fix photovoltaic installations to trapezoidal steel profiles and sandwich panel roofs. The Solar Fastener is also suitable for use on fibrous cement roofs.



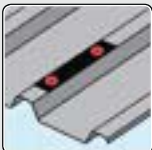
Fastening systems for solar installations on flat roofs

Description

Flat roofs offer enormous potential for solar installations, but an adapted solution for the load distribution is necessary.

Advantages of EJOT fasteners

- Low additional weight of the fastening elements
- No additional ballast necessary
- Reliable transfer of the tensile and shear forces into the substructure
- Control over the occurring forces
- Prevention of misalignment or slipping of the PV installation
- Reliable sealing of the roof membrane
- Easy and efficient installation

81p. 89 Solar Fastening System for trapezoidal profile to steel substructure  Solar Fastener JZ3-SB-8.0xL Storm washer  	82p. 89 Solar Fastening System for sandwich profile to steel substructure  Solar Fastener JZ3-SB-8.0xL Storm washer  	83p. 90 Solar Fastening System for fibre cement sheet to steel substructure  Solar Fastener JZ3-SB-8.0xL FZD  	84p. 91 Solar Fastening System for trapezoidal profile to timber substructure  Solar Fastener JA3-SB-8.0xL Storm washer  	85p. 91 Solar Fastening System for sandwich profile to timber substructure  Solar Fastener JA3-SB-8.0xL Storm washer  	86p. 92 Solar Fastening System for fibre cement sheet to timber substructure  Solar Fastener JA3-SB-8.0xL FZD  
87p. 57 Trapezoidal sheet flashing to 0.4-1.25 mm steel substructure  Thin sheet metal screw JF3-2-5.5xL E16  	88p. 57 Profile to 0.4-1.25 mm steel substructure  Thin sheet metal screw JF3-2-5.5xL E16  				
92p. 94 Fixing of protective mats to mounting profiles  Matt clip PV  	93p. 93 Absorbs shear forces  Flat Roof Solar Fastener  				



Self-drilling Screws

Self-tapping Screws

Solar Fasteners

Storm Washers

Special Screws

Rivets

Direct Fastening

Scaffolding Anchors

Deklite® Flashings

Self-drilling Roof Screws Dabo®

Stress Plates / Flat Roofing Tube Washers / Anchors

Concrete Screws / Aerated Concrete Screws

Anchors and Installation Technology

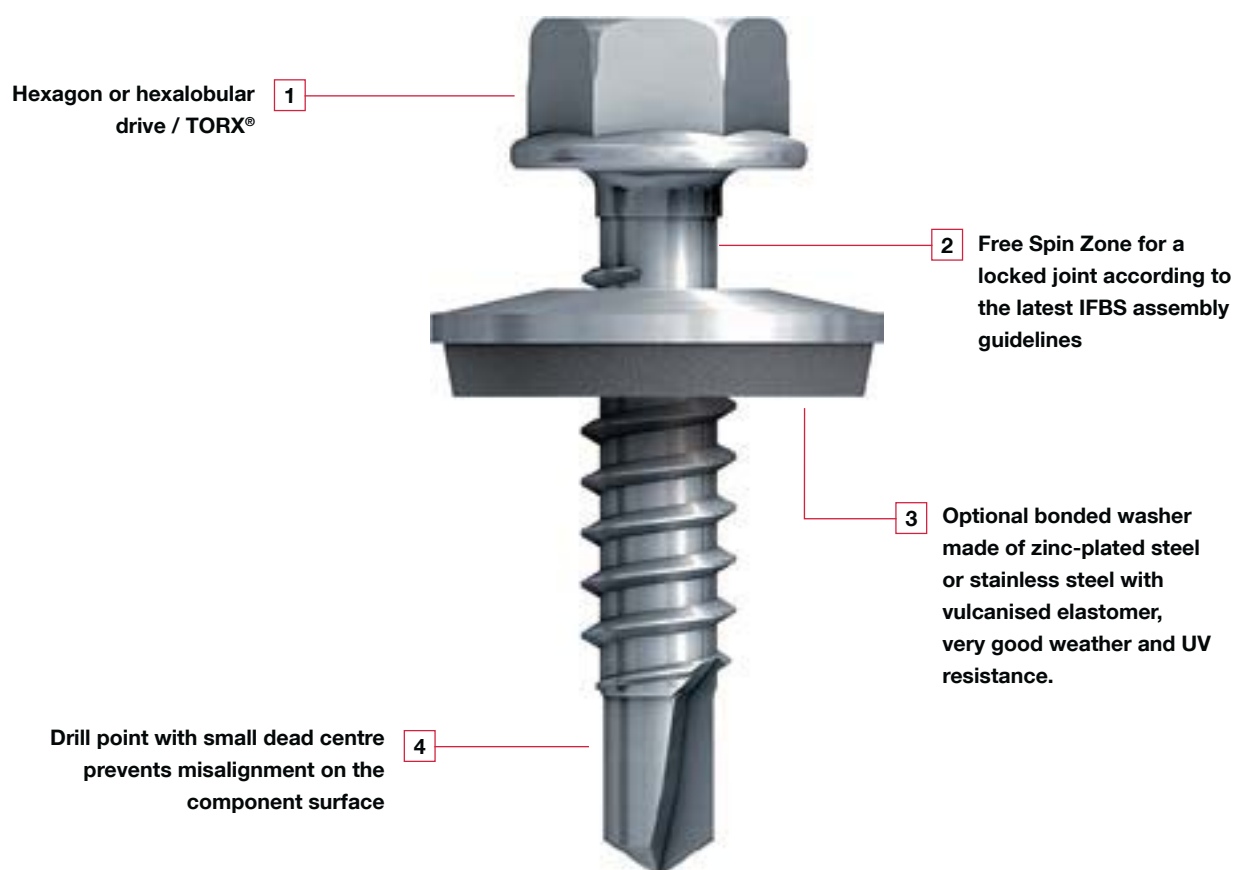
Installation Tools

Accessories



SAPHIR self-drilling screws

The EJOT® SAPHIR self-drilling screws feature a classic drill point. They drill, form the thread and fasten components in one work step. The self-drilling screws are completed by an optional pre-assembled sealing washer.

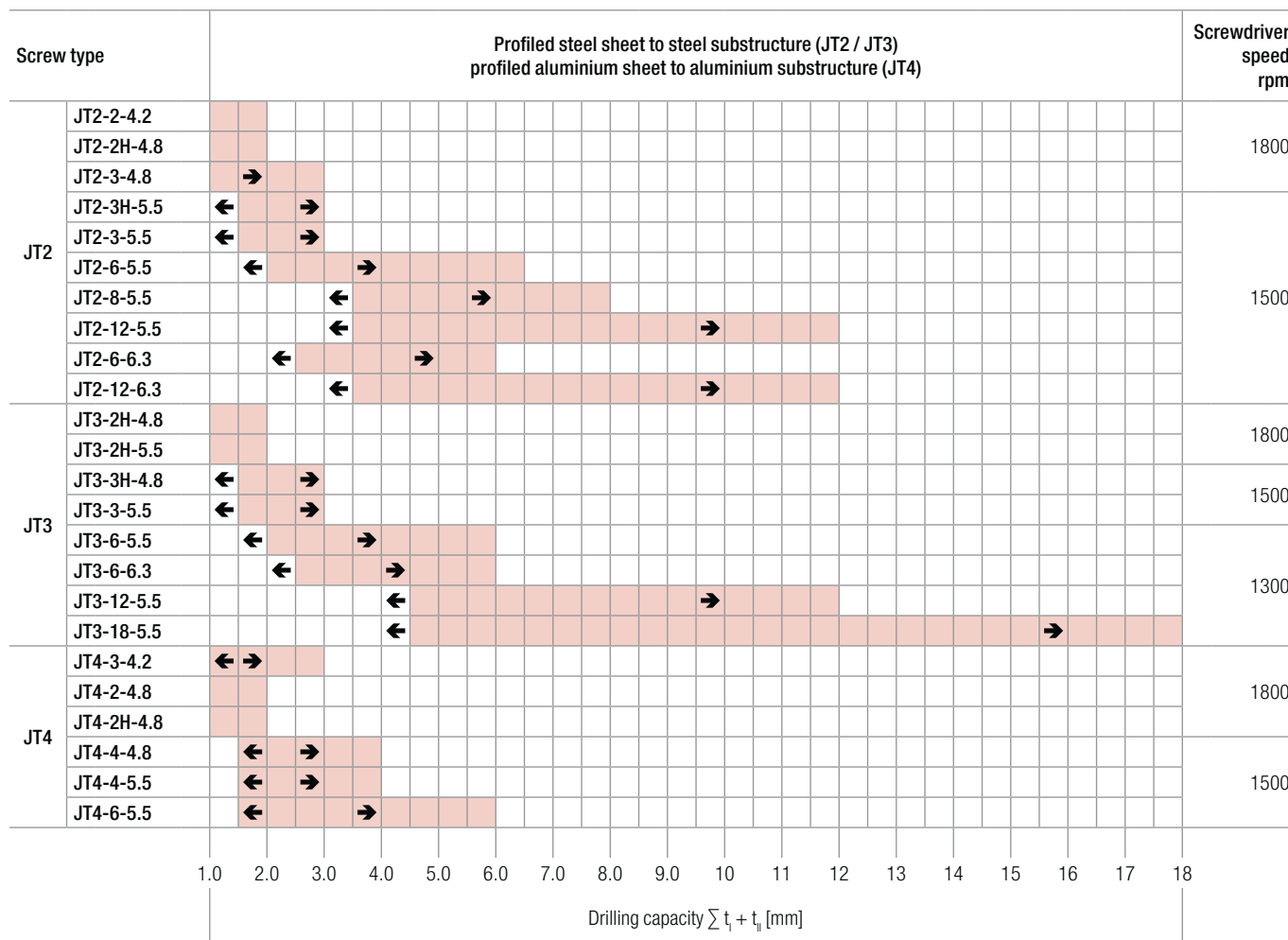


SAPHIR product overview

Self-drilling screws with classic drill point	SAPHIR JT2	SUPER-SAPHIR JT3	SUPER-SAPHIR JT6	Stainless steel SAPHIR JT4	Stainless steel SAPHIR JT9
					
	Steel Case-hardened zinc-plated	A2 stainless steel with hardened steel drill point	A4 stainless steel with hardened steel drill point	A2 stainless steel	A4 stainless steel
	Steel	Steel or aluminium	Steel or aluminium	Aluminium	Aluminium
	12.0	18.0	12.0	6.0	6.0

Drilling capacity

Profiled metal sheet to metal substructure

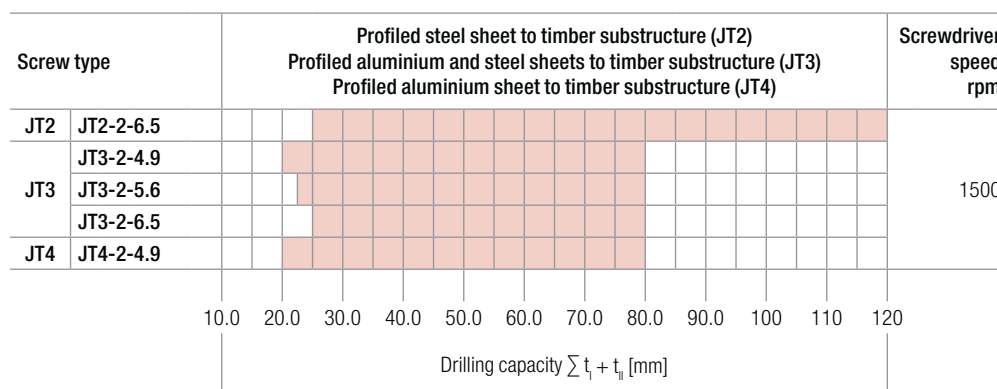


← min t_{II}
→ max t_{II}

Recommended application range $\sum t_i + t_{II}$

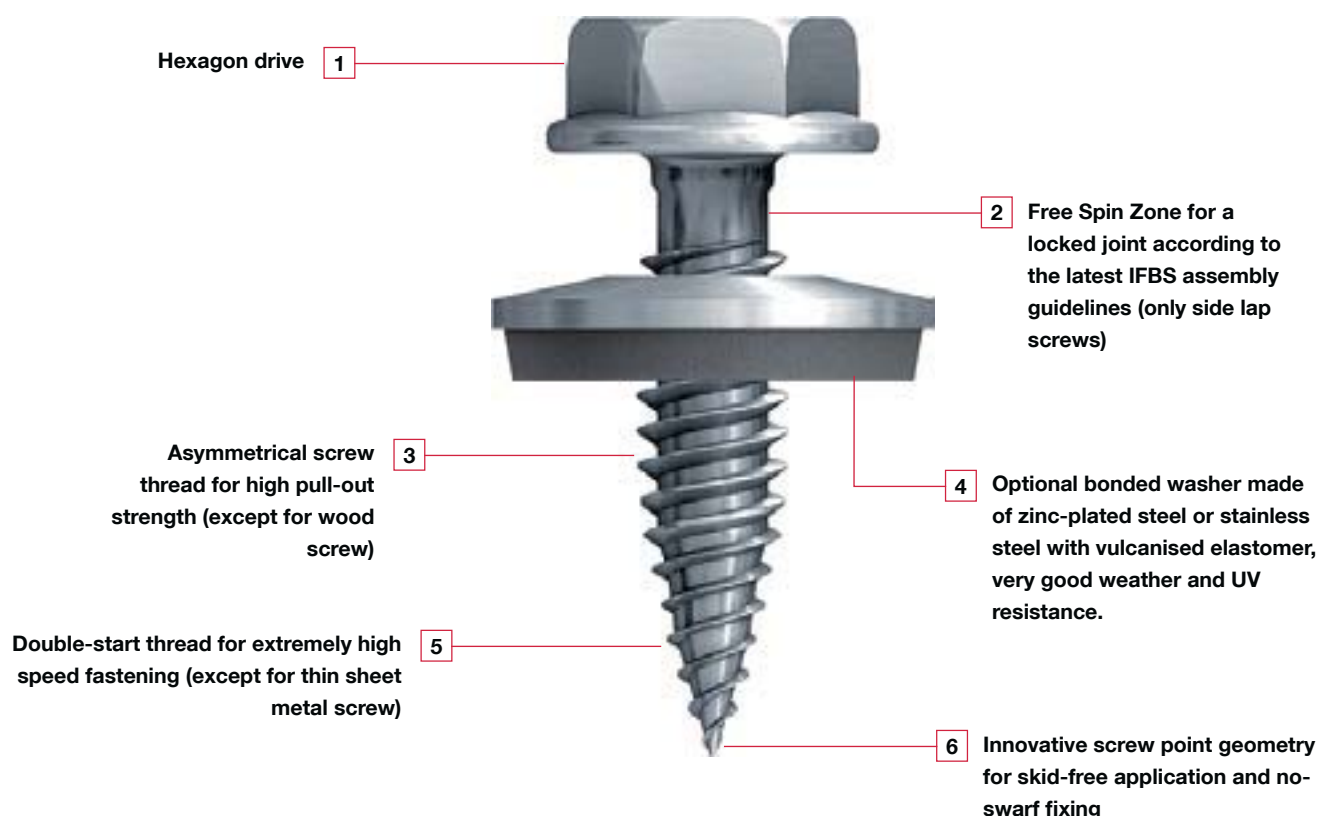
Drilling capacity

Profiled metal sheet to timber substructure



EJOFAST® screws

Fast. No swarf. Reliable. The EJOFAST® screws are self-drilling screws without the classic cutting bit. Due to the innovative point geometry and the special thread form, the EJOFAST® screw not only fastens without any swarf and at high speed, it also features excellent clamping properties.



EJOFAST® product overview

Self-drilling screws with innovative point geometry	EJOFAST® Side lap screw JF2 	EJOFAST® Side lap screw JF3 	EJOFAST® Thin sheet metal screw JF3 	EJOFAST® Wood screw JF3 	
	Material	Steel Case-hardened zinc-plated	A2 stainless steel with hardened steel point	A2 stainless steel with hardened steel point	A2 stainless steel with hardened steel point
	For components made of	Steel	Steel or aluminium	Steel or aluminium	Steel or aluminium to timber
	Max. drill capacity [mm]	0.88 + 0.88	0.88 + 0.88	1.0 + 1.0	-
	Ø [mm]	4.8	4.8	5.5	6.8

Drilling capacity

Side lap stitching of profiled steel sheet

Screw type	Side lap stitching of profiled steel sheet												Screwdriver speed rpm
JF2-2H-4.8													400–1400
JF3-2H-4.8													
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	
	Drilling capacity $\sum t_1 + t_2$ [mm]												

← min t_{II}
→ max t_{II}

Recommended application range
 $\sum t_1 + t_{II}$

Drilling capacity

Fastening profiled steel sheet

Screw type	Fastening profiled steel sheet												Screwdriver speed rpm
JF3-2-5.5													400–1400
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	
	Drilling capacity $\sum t_1 + t_{II}$ [mm]												

Drilling capacity

Fastening profiled steel sheet / sandwich panels to timber substructure

Screw type	Fastening profiled steel sheet												Screwdriver speed rpm
JF3-6.8													400–1400
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	
	Drilling capacity $\sum t_1 + t_{II}$ [mm]												



Self-drilling
Screws

Self-tapping
Screws

Solar
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Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

Anchors and
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Technology

Installation
Tools

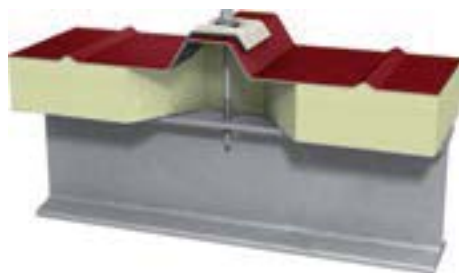
Accessories

i

Application example 1

Fastening sandwich panel to steel purlin ≥ 10 mm on the crown

- ORKAN storm washer
- Self-drilling screw JT3-12-5.5xL
- Sealing washer E16



Application example 2

Fastening trapezoidal profile to steel purlin ≥ 10 mm on the crown

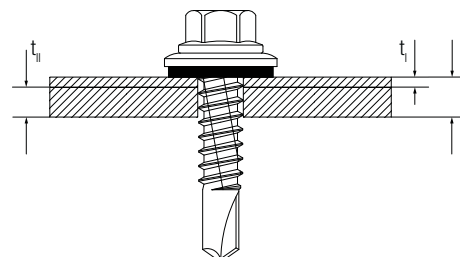
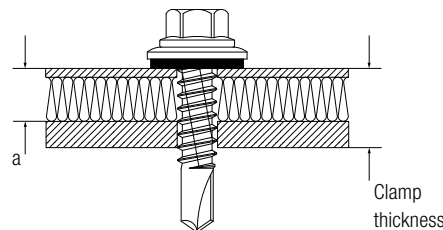
- ORKAN storm washer
- Self-drilling screw JT3-12-5.5xL
- Sealing washer E16



Application example 3

Fastening trapezoidal profile to steel purlin ≥ 10 mm in the valley

- Self-drilling screw JT3-12-5.5xL
- Sealing washer E22



Self-drilling screw selection

For the right selection of the self-drilling screw the clamp thickness and required drilling performance should be specified

Clamp thickness

The clamp thickness is calculated from the thickness of the add-on part + the strength of the substructure. As a rule of thumb the following formula can be used:

$$\text{Clamp thickness} \geq a + 6 \text{ mm}$$

Drilling performance

The drilling performance is calculated from the thickness of the components to be drilled. For direct bearing surface (e.g. trapezoidal profile to steel substructure) the following formula can be used:

Drilling performance for direct bearing surface

$$t = \text{component } t_I + \text{component } t_{II}$$

For sandwich panels the following formula applies:

Drilling performance for sandwich panels

$$t = \text{component } t_{II}$$

Self-drilling screws JF2/JT2

Case-hardened steel, zinc-plated

EJOT®

EJOFAST® side lap screw JF2-2H-4.8

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
loose						
4.8	19	0 - 9	1,000		JF2-2H-4.8x19	7 280 628 601
collated						
4.8	19	0 - 9	500		JF2-2H-4.8x19 collated	3 375 000 000

Application Range

- Side lap stitching of profiled steel sheet

Properties

- Case-hardened, zinc-plated steel with innovative screw point geometry
- With free spin zone under screw head for side lap stitching
- Non-skid application
- Fastening without swarf
- Suitable for installation with the EJOFAST® JF screwdriver

Technical Data

Drilling capacity $t_1 + t_2$	0.88 + 0.88 mm
Head geometry	Hexagon head
Drive	Hexagon AF8

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Accessories	202
Metal screwdriver SCS 6.3	189
EJOFAST® JF screwdriver	187

EJOT® SAPHIR self-drilling screw JT2-2H-4.8

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
4.8	19	0 - 9	1,000		JT2-2H-4.8x19	3 592 200 644

Application area

- Side lap stitching of profiled steel sheet

Properties

- Case-hardened steel, zinc-plated
- With free spin zone under screw head for side lap stitching

Technical Data

Drilling capacity $t_1 + t_2$	1.0 + 1.0 mm
Head geometry	Hexagon head
Drive	Hexagon AF8

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Self-drilling
Screws

Self-tapping
Screws

Solar
Fasteners

Storm
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Concrete Screws

Anchors and
Installation
Technology

Installation
Tools

Accessories

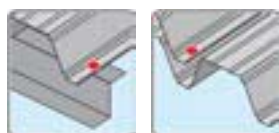


Self-drilling screws JF2/JT2

Case-hardened steel, zinc-plated



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EJOT® SAPHIR self-drilling screw JT2-2H/3-4.8

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Bonded washer V14, Ø 14 mm						
4.8	20	0 - 6	1,000		JT2-2H/3-4.8x20-V14	3 592 251 644

NOTE: Also available in RAL lacquering

Application area

- Side lap stitching of profiled steel sheet

Properties

- Case-hardened steel, zinc-plated
- Steel sealing washer, zinc-plated
- Pre-assembled sealing washer
- With free spin zone under screw head for side lap stitching

Technical Data

Drilling capacity $t_1 + t_2$	1.0 + 1.0 mm
Drive	Hexagon AF8

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EJOT® SAPHIR self-drilling screw JT2-3-4.8

loose or collated

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
loose						
4.8	19	0 - 11	1,000		JT2-3-4.8x19	3 592 200 634
4.8	25	0 - 17	500		JT2-3-4.8x25	3 592 400 634
4.8	38	0 - 27	500		JT2-3-4.8x38	3 592 600 634
collated						
4.8	19	0 - 11	500		JT2-3-4.8x19 collated	3 365 000 000

Application area

- Fastening profiled steel sheet to 2 mm steel substructure
- Side lap stitching of profiled steel sheet
- Suitable for installation with the EJOFAST® JF screwdriver

Properties

- Case-hardened steel, zinc-plated
- Steel sealing washer, zinc-plated
- Pre-assembled sealing washer

Technical Data

Drilling capacity $t_1 + t_2$	1.5 + 2.0 mm
Drive	Hexagon AF8

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Self-drilling screws JF2/JT2

Case-hardened steel, zinc-plated

EJOT® SAPHIR self-drilling screw JT2-2H-5.5

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer V16, Ø 16 mm						
5.5	22	0 - 7	500		JT2-2H-5.5x22-V16	3 593 321 644

Application area

- Side lap stitching of profiled steel sheet
- Fastening profiled steel sheet to 0.63–1.5 mm steel substructure

Properties

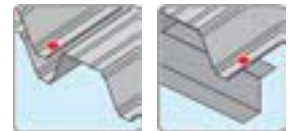
- Case-hardened steel, zinc-plated
- Steel sealing washer, zinc-plated
- Pre-assembled sealing washer
- With free spin zone under screw head for side lap stitching

Technical Data

Drilling capacity $t_1 + t_2$	1.0 + 1.5 mm
Drive	Hexagon AF8

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EJOT® SAPHIR self-drilling screw JT2-3H-5.5

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer V16, Ø 16 mm						
5.5	19	3	500		JT2-3H-5.5x19-V16	3 598 221 634
5.5	25	9	500		JT2-3H-5.5x25-V16	3 598 421 634

Application area

- Side lap stitching of profiled steel sheet
- Fastening profiled steel sheet to 1–2.5 mm steel substructure

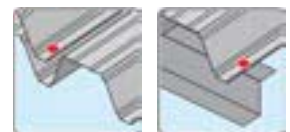
Properties

- Case-hardened steel, zinc-plated
- Steel sealing washer, zinc-plated
- Pre-assembled sealing washer
- With free spin zone under screw head for side lap stitching

Technical Data

Drilling capacity $t_1 + t_2$	1.5 + 1.5 mm
Drive	Hexagon AF8

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Self-drilling
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Self-drilling screws JF2/JT2

Case-hardened steel, zinc-plated



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Cross reference **page**
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Metal screwdriver SCS 6.3 189



Cross reference **page**
Accessories 202
Metal screwdriver SCS 6.3 189

EJOT® SAPHIR self-drilling screw JT2-6-5.5

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Without sealing washer*						
5.5	19	0 - 7	1,000		JT2-6-5.5x19	3 573 200 634
5.5	22	0 - 10	500		JT2-6-5.5x22	3 573 300 634
5.5	25	0 - 13	500		JT2-6-5.5x25	3 573 400 634
Sealing washer V16, Ø 16 mm						
5.5	19	0 - 4	500		JT2-6-5.5x19-V16	3 573 221 634
5.5	22	0 - 7	500		JT2-6-5.5x22-V16	3 573 321 634
5.5	25	0 - 10	500		JT2-6-5.5x25-V16	3 573 421 634

Application area

- Fastening profiled steel sheet to 1.5–5 mm steel substructure

Properties

- Case-hardened steel, zinc-plated
- Steel sealing washer, zinc-plated
- Pre-assembled sealing washer

Technical Data

Drilling capacity $t_f + t_{f1}$	1.0 + 5.0 mm
Drive	Hexagon AF8
*max. tightening torque (screws without sealing washer)	7.0 Nm

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EJOT® SAPHIR self-drilling screw JT2-6-6.3

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Without sealing washer*						
6.3	19	0 - 7	500		JT2-6-6.3x19	3 574 200 634
6.3	22	0 - 10	500		JT2-6-6.3x22	3 574 300 634
6.3	25	0 - 13	500		JT2-6-6.3x25	3 574 400 634
6.3	32	0 - 20	500		JT2-6-6.3x32	7 380 484 601
6.3	38	0 - 26	500		JT2-6-6.3x38	3 574 600 634
Sealing washer V16, Ø 16 mm						
6.3	19	0 - 4	500		JT2-6-6.3x19-V16	3 574 221 634
6.3	22	0 - 7	500		JT2-6-6.3x22-V16	3 574 321 634
6.3	25	0 - 10	500		JT2-6-6.3x25-V16	3 574 421 634
6.3	32	0 - 17	500		JT2-6-6.3x32-V16	3 574 521 634
6.3	38	0 - 23	500		JT2-6-6.3x38-V16	3 574 621 634

Application area

- Fastening profiled steel sheet to 2–5 mm steel substructure

Properties

- Case-hardened steel, zinc-plated
- Steel sealing washer, zinc-plated
- Pre-assembled sealing washer

Technical Data

Drilling capacity $t_f + t_{f1}$	1.5 + 5.0 mm
Drive	Hexagon AF 3/8"
*max. tightening torque (screws without sealing washer)	7.0 Nm

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Self-drilling screws JF2/JT2

Case-hardened steel, zinc-plated

EJOT®

EJOT® SAPHIR self-drilling screw JT2-12-5.5

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer V16, Ø 16 mm						
5.5	35	0 - 10	500		JT2-12-5.5x35-V16	3 804 521 997
5.5	50	0 - 25	250		JT2-12-5.5x50-V16	3 807 121 997
5.5	65	6 - 40	250		JT2-12-5.5x65-V16	3 807 521 997
5.5	80	21 - 55	200		JT2-12-5.5x80-V16	3 807 221 997
5.5	110	51 - 85	200		JT2-12-5.5x110-V16	3 807 321 997
5.5	130	71 - 105	200		JT2-12-5.5x130-V16	3 807 421 997

Application area

- For fixing profiled steel sheet to 4–12 mm steel substructure

Properties

- Case-hardened steel
- Climadur coated – high-quality coating to improve corrosion protection (15 Kesternich cycles, DIN 50018, 1997)
- Steel sealing washer, zinc-plated
- Pre-assembled sealing washer

Technical Data

Drilling capacity $t_1 + t_2$	1.0 + 12.0 mm / 2.0 + 10.0 mm
Drive	Hexagon AF8

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EJOT® SAPHIR self-drilling screw JT2-FZ-6-6.3

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
FZD sealing washer					
6.3	110	100		JT2-FZ-6-6.3x110-FZD	3 512 275 664
6.3	155	50		JT2-FZ-6-6.3x155-FZD	3 513 075 664

Order information: Further lengths upon request.

Application area

- Fastening corrugated fibre cement sheet 177/51 to steel substructure 1.5–6 mm

Properties

- Case-hardened steel
- Climadur coated – high-quality coating to improve corrosion protection (15 Kesternich cycles, DIN 50018, 1997)
- Pre-assembled FZD sealing washer
- A2 stainless steel washer
- Screw wings save additional drilling into the corrugated slabs
- Reduced forcing tension

Note

For the dimensioning and the use of fastening materials please note the manufacturers instructions for use as well as the national approvals.

Technical Data

Drive	Hexagon AF8
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Metal screwdriver SCS 6.3-SH2	189



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Self-drilling screws JF2/JT2

Case-hardened steel, zinc-plated

EJOT® SAPHIR self-drilling screw JT2-FZ-12-6.3

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
FZD sealing washer					
6.3	115	100		JT2-FZ-12-6.3x115-FZD	3 512 375 614

Application area

- Fastening corrugated fibre cement sheet 177/51 to steel substructure 5-12 mm

Properties

- Case-hardened steel
- Climadur coated – high-quality coating to improve corrosion protection (15 Kesternich cycles, DIN 50018, 1997)
- Pre-assembled FZD sealing washer
- A2 stainless steel washer
- Screw wings save additional drilling into the corrugated slabs
- Reduced forcing tension

Note

For the dimensioning and the use of fastening materials please note the manufacturer's instructions for use as well as the national approvals.

Technical Data

Drive	Hexagon AF8
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 Metal screwdriver SCS 6.3-SH2 189

EJOT® SAPHIR self-drilling screw JT2-FZ-F-6.5

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
FZD sealing washer					
6.5	100	100		JT2-FZ-F-6.5x100-FZD*	3 515 175 608
6.5	130	100		JT2-FZ-F-6.5x130-FZD	3 515 675 608
6.5	180	50		JT2-FZ-F-6.5x180-FZD*	3 518 075 608

*no approval

Application area

- Fastening corrugated fibre cement sheet to timber substructure

Properties

- Case-hardened steel, hot-dip zinc-plated
- Pre-assembled FZD sealing washer
- A2 stainless steel washer
- Screw wings save additional drilling into the corrugated slabs
- Reduced forcing tension

Note

Suitable for corrugation 5 when covering with corrugated fibre cement sheet 177/51 to timber substructure without insulation. For the dimensioning and the use of fastening materials please note the manufacturer's instructions for use as well as the national approvals.

Technical Data

Drive	Hexagon AF8
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Self-drilling screws JF2/JT2

Case-hardened steel, zinc-plated

EJOT®

EJOT® SAPHIR self-drilling screw JT2-ST-2-6.0

with countersunk head

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Full thread length						
6.0	40	0 - 27	200		JT2-ST-2-6.0x40	7 282 110 609
Thread length 45 mm						
6.0	60	15 - 47	500		JT2-ST-2-6.0x60/45	7 282 119 609 NEW
6.0	80	15 - 67	100		JT2-ST-2-6.0x80/45	7 282 122 609 NEW
6.0	100	35 - 87	100		JT2-ST-2-6.0x100/45	7 282 123 609 NEW
6.0	120	55 - 107	100		JT2-ST-2-6.0x120/45	7 282 124 609 NEW
6.0	140	75 - 127	100		JT2-ST-2-6.0x140/45	7 282 125 609 NEW
Thread length 65 mm						
6.0	80	15 - 67	100		JT2-ST-2-6.0x80	7 282 112 609
6.0	100	35 - 87	100		JT2-ST-2-6.0x100	7 282 113 609
6.0	120	55 - 107	250		JT2-ST-2-6.0x120	7 282 114 609
6.0	140	75 - 127	250		JT2-ST-2-6.0x140	7 282 115 609
6.0	160	95 - 147	200		JT2-ST-2-6.0x160	7 282 116 609
6.0	180	115 - 167	200		JT2-ST-2-6.0x180	7 282 117 609
6.0	200	135 - 187	200		JT2-ST-2-6.0x200	7 282 118 609

Application area

- Fastening wooden parts to thin-walled steel and aluminium substructure

Properties

- Case-hardened steel
- Climadur coated – high-quality coating to improve corrosion protection (15 Kesternich cycles, DIN 50018, 1997)

Technical Data

Drilling capacity $t_f + t_p$	1.0 + 1.0 mm
Drive	Hexalobular drive T25



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Self-drilling screws JF2/JT2

Case-hardened steel, zinc-plated



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Self-tapping screw JZ7-6.386
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EJOT® SAPHIR self-drilling screw JT2-D-6H-5.5/6.3

Length [mm]	For sandwich panels [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer V16, Ø 16 mm						
62	32.0 - 44.0	30 - 48	250		JT2-D-6H-5.5/6.3x62-V16	3 553 421 674
82	42.0 - 64.0	50 - 68	200		JT2-D-6H-5.5/6.3x82-V16	3 553 621 674
102	62.0 - 84.0	42 - 88	200		JT2-D-6H-5.5/6.3x102-V16	3 553 821 674
122	82.0 - 104.0	62 - 108	150		JT2-D-6H-5.5/6.3x122-V16	3 557 021 674
152	102.0 - 134.0	92 - 138	150		JT2-D-6H-5.5/6.3x152-V16	3 555 921 674
172	132.0 - 154.0	112 - 158	150		JT2-D-6H-5.5/6.3x172-V16	3 556 421 674
192	152.0 - 174.0	132 - 178	100		JT2-D-6H-5.5/6.3x192-V16	3 556 621 674
Sealing washer E19, Ø 19 mm						
62	32.0 - 44.0	30 - 48	250		JT2-D-6H-5.5/6.3x62-E19	3 553 412 674
82	42.0 - 64.0	50 - 68	200		JT2-D-6H-5.5/6.3x82-E19	3 553 612 674
102	62.0 - 84.0	42 - 88	200		JT2-D-6H-5.5/6.3x102-E19	3 553 812 674
122	82.0 - 104.0	62 - 108	150		JT2-D-6H-5.5/6.3x122-E19	3 557 012 674
152	102.0 - 134.0	92 - 138	100		JT2-D-6H-5.5/6.3x152-E19	3 555 912 674
172	132.0 - 154.0	112 - 158	100		JT2-D-6H-5.5/6.3x172-E19	3 556 412 674
192	152.0 - 174.0	132 - 178	100		JT2-D-6H-5.5/6.3x192-E19	3 556 612 674

Application Range

- Fastening sandwich elements to 1.5-5 mm steel substructures

Features

- Case-hardened steel
- Climadur coated – high-grade coating to improve the corrosion protection (15 Kesternich cycles, DIN 50018, 1997)
- Steel sealing washer, zinc-plated or stainless steel
- Pre-assembled sealing washer
- With free spin zone under screw head
- High thread

Technical Data

Drive	Hexagon AF8
Ø screw	5.5 mm
Ø high thread	6.3 mm

Self-drilling screws JF2/JT2

Case-hardened steel, zinc-plated

EJOT®

EJOT® SAPHIR self-drilling screw JT2-D-12H-5.5/6.3

Length [mm]	For sandwich panels [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer V16, Ø 16 mm						
80	41.0 - 50.0	36 - 59	200		JT2-D-12H-5.5/6.3x80-V16	3 554 721 614
95	46.0 - 65.0	46 - 74	200		JT2-D-12H-5.5/6.3x95-V16	3 554 921 614
115	60.0 - 85.0	56 - 94	200		JT2-D-12H-5.5/6.3x115-V16	3 555 221 614
135	75.0 - 105.0	66 - 114	150		JT2-D-12H-5.5/6.3x135-V16	3 555 421 614
155	90.0 - 125.0	86 - 134	150		JT2-D-12H-5.5/6.3x155-V16	3 555 721 614
195	120.0 - 165.0	116 - 174	150		JT2-D-12H-5.5/6.3x195-V16	3 559 521 614
235	160.0 - 205.0	156 - 214	150		JT2-D-12H-5.5/6.3x235-V16	3 557 121 614
250	175.0 - 220.0	171 - 229	100		JT2-D-12H-5.5/6.3x250-V16	3 557 221 614
275	200.0 - 245.0	196 - 254	100		JT2-D-12H-5.5/6.3x275-V16	3 557 321 614
300	225.0 - 270.0	221 - 279	100		JT2-D-12H-5.5/6.3x300-V16	3 557 421 614
Sealing washer E19, Ø 19 mm						
80	41.0 - 50.0	36 - 59	200		JT2-D-12H-5.5/6.3x80-E19	3 554 712 614
95	46.0 - 65.0	46 - 74	200		JT2-D-12H-5.5/6.3x95-E19	3 554 912 614
115	60.0 - 85.0	56 - 94	150		JT2-D-12H-5.5/6.3x115-E19	3 555 212 614
135	75.0 - 105.0	66 - 114	150		JT2-D-12H-5.5/6.3x135-E19	3 555 412 614
155	90.0 - 125.0	86 - 134	100		JT2-D-12H-5.5/6.3x155-E19	3 555 712 614
195	120.0 - 165.0	116 - 174	100		JT2-D-12H-5.5/6.3x195-E19	3 559 512 614
235	160.0 - 205.0	156 - 214	100		JT2-D-12H-5.5/6.3x235-E19	3 557 112 614
250	175.0 - 220.0	171 - 229	150		JT2-D-12H-5.5/6.3x250-E19	3 557 212 614
275	200.0 - 245.0	196 - 254	100		JT2-D-12H-5.5/6.3x275-E19	3 557 312 614
300	225.0 - 270.0	221 - 279	100		JT2-D-12H-5.5/6.3x300-E19	3 557 412 614

Application Range

- Fastening sandwich elements to 3-12 mm steel substructures

Features

- Case-hardened steel
- Climadur coated – high-grade coating to improve the corrosion protection (15 Kesternich cycles, DIN 50018, 1997)
- Steel sealing washer, zinc-plated or stainless steel
- Pre-assembled sealing washer
- With free spin zone under screw head
- High thread

Technical Data

Drive	Hexagon AF8
Ø screw	5.5 mm
Ø high thread	6.3 mm



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Self-drilling screws JF3/JT3

A2 stainless steel with hardened steel point / steel drill point

EJOFAST® side lap screw JF3-2H-4.8

loose or collated

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E 14, Ø 14 mm, loose						
4.8	19	0 - 4	500		JF3-2H-4.8x19-E14	3 591 977 391
Sealing washer E 14, Ø 14 mm, collated						
4.8	19	0 - 4	500		JF3-2H-4.8x19-E14 collated	3 385 009 000

Application Range

- Side lap stitching of profiled steel / aluminium sheet and sandwich panel
- Suitable for installation with the EJOFAST® JF screwdriver

Properties

- A2 stainless steel with innovative point geometry
- Stainless steel sealing washer
- Pre-assembled sealing washer
- With free spin zone under screw head for side lap stitching
- Non-skid application
- Fastening without swarf

Technical Data

Drilling capacity $t_1 + t_2$	0.88 + 0.88 mm
Drive	Hexagon AF8

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EJOT® SUPER-SAPHIR self-drilling screw JT3-2H-4.8xL

loose or collated

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E 14, Ø 14 mm, loose						
4.8	19	0 - 4	1,000		JT3-2H-4.8x19-E14	3 591 977 351
Sealing washer E 14, Ø 14 mm, collated						
4.8	19	0 - 4	500		JT3-2H-4.8x19-E14 collated	3 380 209 000

Application area

- Side lap stitching of profiled steel / aluminium sheet and sandwich panel
- Suitable for installation with the EJOFAST® JF screwdriver

Properties

- A2 stainless steel with hardened drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer
- With free spin zone under screw head for side lap stitching

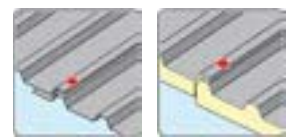
Technical Data

Drilling capacity $t_1 + t_2$	1.0 + 1.0 mm
Drive	Hexagon AF8

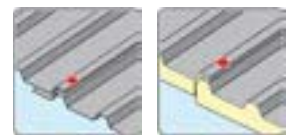
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EJOT®



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Self-drilling screws JF3/JT3

A2 stainless steel with hardened steel point / steel drill point



T25



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EJOT® SUPER-SAPHIR self-drilling screw JT3-FR-2H-4.8

with truss head

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E11, Ø 11 mm						
4.8	19	0 - 4	1,000		JT3-FR-2H-4.8x19-E11	3 591 968 358

Application area

- Side lap stitching of corrugated profile steel and aluminium sheet

Technical Data

Drilling capacity $t_1 + t_2$	1.0 + 1.0 mm
Drive	Hexalobular drive T25

Properties

- A2 stainless steel with hardened drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer
- With free spin zone under screw head for side lap stitching

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AF8



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EJOT® SUPER-SAPHIR self-drilling screw JT3-2-4.9

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E14, Ø 14 mm					
4.9	35	500		JT3-2-4.9x35-E14	3 593 509 321
4.9	70	250		JT3-2-4.9x70-E14*	3 597 009 321
Sealing washer E16, Ø 16 mm					
4.9	35	500		JT3-2-4.9x35-E16	3 593 511 321
4.9	70	250		JT3-2-4.9x70-E16*	3 597 011 321

*Full thread length

Application area

- Fastening profiled aluminium sheet to timber substructure

Technical Data

Drilling capacity $t_1 + t_2$	2.0 mm
Drive	Hexagon AF8

Properties

- A2 stainless steel with hardened drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer
- Thread according to DIN 7998

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Self-drilling screws JF3/JT3

A2 stainless steel with hardened steel point / steel drill point

EJOT®

EJOT® SUPER-SAPHIR self-drilling screw JT3-FR-2-4.9

with truss head

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E11, Ø 11 mm					
4.9	35	500		JT3-FR-2-4.9x35-E11	3 593 568 328

NOTE: Also available in RAL lacquering

Application area

- Fastening corrugated profile aluminium sheet to timber substructure

Properties

- A2 stainless steel with hardened drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer
- Thread according to DIN 7998

Technical Data

Drilling capacity $t_1 + t_2$	2.0 mm
Drive	Hexalobular drive T25

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EJOFAS® thin sheet metal screw JF3-2-5.5

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E 16, Ø 16 mm						
5.5	25	0 - 7	500		JF3-2-5.5x25-E16*	3 597 211 391
5.5	35	0 - 17	500		JF3-2-5.5x35-E16*	3 597 511 391

*JF6 made of A4 stainless steel upon request

Application area

Fastening components and brackets to thin-walled metal profiles for photovoltaic installations:

- Fastening trapezoidal sheet flashings, clips for fixing standing seam systems or pre-punched retainers to thin-walled steel substructure (e.g. profiled sheets)
- Fixing wind deflector sheets to profiled elements

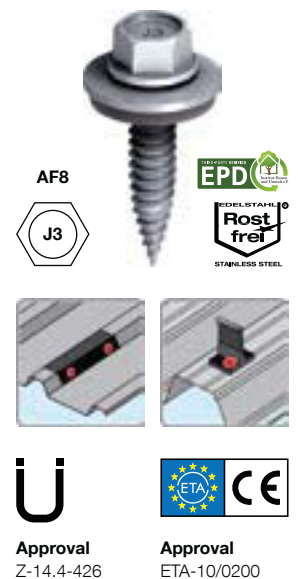
Properties

- A2 stainless steel with innovative point geometry
- Stainless steel sealing washer
- Pre-assembled sealing washer
- Precise positioning
- Fastening without swarf and without pre-drilling
- Excellent clamping properties

Technical Data

Drilling capacity $t_1 + t_2$	1.0 + 1.0 mm
Drive	Hexagon AF8

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Self-drilling screws JF3/JT3

A2 stainless steel with hardened steel point / steel drill point



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FR-tool 200
Metal screwdriver SCS 6.3 189

EJOT® SUPER-SAPHIR self-drilling screw JT3-2H-Plus-5.5

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E16, Ø 16 mm						
5.5	25	0 - 7	500		JT3-2H-Plus-5.5x25-E16*	3 592 211 391
5.5	30	0 - 11	500		JT3-2H-Plus-5.5x30-E16	3 592 311 391
5.5	35	0 - 16	500		JT3-2H-Plus-5.5x35-E16	3 592 511 391
Sealing washer E22, Ø 22 mm						
5.5	25	0 - 7	500		JT3-2H-Plus-5.5x25-E22*	3 592 213 391
5.5	30	0 - 11	500		JT3-2H-Plus-5.5x30-E22	3 592 313 391
5.5	35	0 - 16	500		JT3-2H-Plus-5.5x35-E22	3 592 513 391

* JT6 made of A4 stainless steel upon request

Application area

- Side lap stitching of profiled steel and aluminium sheet
- Fastening profiled steel and aluminium sheet to cassette system walls

Properties

- A2 stainless steel with hardened drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer
- With free spin zone under screw head for side lap stitching

Technical Data

Drilling capacity $t_1 + t_2$	1.5 + 2.0 mm
Drive	Hexagon AF8

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EJOT® SUPER-SAPHIR self-drilling screw JT3-FR-2H-Plus-5.5

with truss head

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E11, Ø 11 mm						
5.5	25	0 - 7	1,000		JT3-FR-2H-Plus-5.5x25-E11	3 592 269 398

Application area

- Side lap stitching of profiled steel and aluminium sheet
- Fastening profiled steel and aluminium sheet to cassette system walls

Properties

- A2 stainless steel with hardened drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer
- With free spin zone under screw head for side lap stitching

Technical Data

Drilling capacity $t_1 + t_2$	1.5 + 2.0 mm
Drive	Hexalobular drive T25

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Self-drilling screws JF3/JT3

A2 stainless steel with hardened steel point / steel drill point

EJOT®

EJOT® SUPER-SAPHIR self-drilling screw JT3-2-6.0

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E16, Ø 16 mm						
6.0	25	0 - 7	500		JT3-2-6.0x25-E16	3 595 511 321
6.0	35	0 - 16	500		JT3-2-6.0x35-E16	3 595 711 321
6.0	55	27 - 37	250		JT3-2-6.0x55-E16	3 595 011 321
6.0	120	53 - 102	150		JT3-2-6.0x120-E16	3 595 211 321
6.0	140	73 - 122	150		JT3-2-6.0x140-E16	3 595 811 321
6.0	160	93 - 142	150		JT3-2-6.0x160-E16	3 595 911 321
6.0	200	133 - 182	100		JT3-2-6.0x200-E16	3 596 011 321
6.0	240	173 - 222	100		JT3-2-6.0x240-E16	3 596 311 321

Application Range

- Fastening profiled aluminium sheet with/ without intermediate insulation to thin-walled steel / aluminium substructure as well as timber substructure

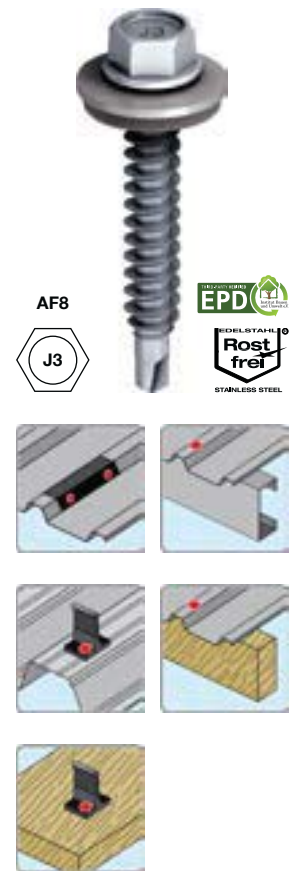
Properties

- A2 stainless steel with hardened drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer

Technical Data

Drilling capacity $t_f + t_i$	1.0 + 1.0 mm
Drive	Hexagon AF8

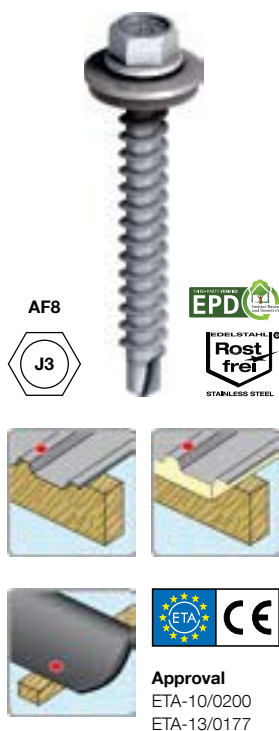
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Self-drilling screws JF3/JT3

A2 stainless steel with hardened steel point / steel drill point



EJOT® SUPER-SAPHIR self-drilling screw JT3-2-6.5

Length [mm]	For sandwich panels [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number	
Sealing washer E16, Ø 16 mm							
40	-	-	200		JT3-2-6.5x40-E16	3 594 011 321	NEW
50	-	-	250		JT3-2-6.5x50-E16	3 598 811 321	
65	-	0 - 15	250		JT3-2-6.5x65-E16	3 598 911 321	
80	-	0 - 30	200		JT3-2-6.5x80-E16	3 598 011 321	
100	20 - 45	16 - 50	200		JT3-2-6.5x100-E16	3 598 111 321	
120	40 - 65	36 - 70	100		JT3-2-6.5x120-E16	3 598 311 321	
140	60 - 85	56 - 90	100		JT3-2-6.5x140-E16	3 598 511 321	
160	80 - 105	76 - 110	100		JT3-2-6.5x160-E16	3 598 711 321	
180	100 - 125	96 - 130	100		JT3-2-6.5x180-E16	3 598 211 321	
200	120 - 145	116 - 150	100		JT3-2-6.5x200-E16	3 599 011 321	
220	140 - 165	136 - 170	100		JT3-2-6.5x220-E16	3 599 111 321	
240	160 - 185	156 - 190	100		JT3-2-6.5x240-E16	3 599 211 321	
260	180 - 205	176 - 210	100		JT3-2-6.5x260-E16	3 599 311 321	NEW
280	200 - 225	196 - 230	100		JT3-2-6.5x280-E16	3 599 511 321	NEW
300	220 - 245	216 - 250	100		JT3-2-6.5x300-E16	3 599 611 321	NEW
Sealing washer E22, Ø 22 mm							
40	-	-	250		JT3-2-6.5x40-E22	3 594 013 321	NEW
50	-	-	250		JT3-2-6.5x50-E22	3 598 813 321	
65	-	0 - 15	250		JT3-2-6.5x65-E22	3 598 913 321	
80	-	0 - 30	100		JT3-2-6.5x80-E22	3 598 013 321	
100	20 - 45	16 - 50	100		JT3-2-6.5x100-E22	3 598 113 321	
120	40 - 65	36 - 70	100		JT3-2-6.5x120-E22	3 598 313 321	
140	60 - 85	56 - 90	100		JT3-2-6.5x140-E22	3 598 513 321	
160	80 - 105	76 - 110	100		JT3-2-6.5x160-E22	3 598 713 321	
180	100 - 125	96 - 130	100		JT3-2-6.5x180-E22	3 598 213 321	
200	120 - 145	116 - 150	100		JT3-2-6.5x200-E22	3 599 013 321	
220	140 - 165	136 - 170	50		JT3-2-6.5x220-E22	3 599 113 321	
240	160 - 185	156 - 190	50		JT3-2-6.5x240-E22	3 599 213 321	
260	180 - 205	176 - 210	100		JT3-2-6.5x260-E22	3 599 313 321	NEW
280	200 - 225	196 - 230	100		JT3-2-6.5x280-E22	3 599 513 321	NEW
300	220 - 245	216 - 250	100		JT3-2-6.5x300-E22	3 599 613 321	NEW

Application area

- Fastening profiled steel and aluminium sheet, sandwich panels and roofing sheet to timber substructure

Properties

- A2 stainless steel with hardened drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer

Technical Data

Drilling capacity $t_1 + t_{II}$	2.0 mm
Drive	Hexagon AF8
Ø screw	6.5 mm

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Self-drilling screws JF3/JT3

A2 stainless steel with hardened steel point / steel drill point

EJOT

EJOFAST® wood screw JF3-6.8

Length [mm]	For sandwich panels [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E16, Ø 16 mm						
40	-	-	100		JF3-6.8x40-E16	3 594 067 391
60	-	0 - 10	100		JF3-6.8x60-E16	3 594 167 391
80	-	0 - 30	100		JF3-6.8x80-E16	3 594 267 391
100	20 - 45	20 - 50	100		JF3-6.8x100-E16	3 594 367 391
120	40 - 65	40 - 70	100		JF3-6.8x120-E16	3 594 467 391
140	60 - 85	60 - 90	100		JF3-6.8x140-E16	3 594 567 391
160	80 - 105	80 - 110	100		JF3-6.8x160-E16	3 594 667 391
180	100 - 125	100 - 130	100		JF3-6.8x180-E16	3 594 767 391
200	120 - 145	120 - 150	100		JF3-6.8x200-E16	3 594 867 391
220	140 - 165	140 - 170	100		JF3-6.8x220-E16	3 594 967 391
240	160 - 185	160 - 190	100		JF3-6.8x240-E16	3 595 067 391
260	180 - 205	180 - 210	100		JF3-6.8x260-E16	3 595 167 391
280	200 - 225	200 - 230	100		JF3-6.8x280-E16	3 595 267 391
300	220 - 245	220 - 250	100		JF3-6.8x300-E16	3 595 367 391
Sealing washer E22, Ø 22 mm						
40	-	-	100		JF3-6.8x40-E22	3 594 013 391
60	-	0 - 10	100		JF3-6.8x60-E22	3 594 113 391
80	-	0 - 30	100		JF3-6.8x80-E22	3 594 213 391
100	20 - 45	20 - 50	100		JF3-6.8x100-E22	3 594 313 391
120	40 - 65	40 - 70	100		JF3-6.8x120-E22	3 594 413 391
140	60 - 85	60 - 90	100		JF3-6.8x140-E22	3 594 513 391
160	80 - 105	80 - 110	100		JF3-6.8x160-E22	3 594 613 391
180	100 - 125	100 - 130	100		JF3-6.8x180-E22	3 594 713 391
200	120 - 145	120 - 150	100		JF3-6.8x200-E22	3 594 813 391
220	140 - 165	140 - 170	100		JF3-6.8x220-E22	3 594 913 391
240	160 - 185	160 - 190	100		JF3-6.8x240-E22	3 595 013 391
260	180 - 205	180 - 210	100		JF3-6.8x260-E22	3 595 113 391
280	200 - 225	200 - 230	100		JF3-6.8x280-E22	3 595 213 391
300	220 - 245	220 - 250	100		JF3-6.8x300-E22	3 595 313 391

Application area

- Fastening profiled steel and aluminium sheet, sandwich panels and roofing sheet to timber substructure

Properties

- A2 stainless steel with innovative point geometry
- Stainless steel sealing washer
- Pre-assembled sealing washer
- Precise positioning
- Fastening without swarf and without pre-drilling
- Excellent clamping properties

Technical Data

Drive	Hexagon AF8
Ø screw	6.8 mm

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Available
in June 2015!

NEW



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Self-drilling screws JF3/JT3

A2 stainless steel with hardened steel point / steel drill point

EJOT®

EJOT® SUPER-SAPHIR self-drilling screw JT3-6-5.5

Length [mm]	For sandwich panels [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E16, Ø 16 mm						
25	-	0 - 7	500		JT3-6-5.5x25-E16*	3 572 211 361
30	-	0 - 11	500		JT3-6-5.5x30-E16	3 572 311 361
35	-	0 - 16	500		JT3-6-5.5x35-E16	3 572 511 361
50	-	0 - 31	250		JT3-6-5.5x50-E16	3 592 811 361
70	20 - 40	18 - 51	250		JT3-6-5.5x70-E16	3 593 911 361
90	40 - 60	38 - 71	200		JT3-6-5.5x90-E16	3 596 111 361
110	60 - 80	58 - 91	200		JT3-6-5.5x110-E16	3 596 211 361
130	80 - 100	78 - 111	100		JT3-6-5.5x130-E16	3 596 311 361
150	100 - 120	98 - 131	150		JT3-6-5.5x150-E16	3 596 411 361
170	120 - 140	118 - 151	150		JT3-6-5.5x170-E16	3 596 511 361
190	140 - 160	138 - 171	100		JT3-6-5.5x190-E16	3 596 611 361
Sealing washer E22, Ø 22 mm						
25	-	0 - 7	500		JT3-6-5.5x25-E22	3 572 213 361
30	-	0 - 11	500		JT3-6-5.5x30-E22	3 572 313 361
35	-	0 - 16	250		JT3-6-5.5x35-E22	3 572 513 361
50	-	0 - 31	250		JT3-6-5.5x50-E22	3 592 813 361
70	20 - 40	18 - 51	200		JT3-6-5.5x70-E22	3 593 913 361
90	40 - 60	38 - 71	150		JT3-6-5.5x90-E22	3 596 113 361
110	60 - 80	58 - 91	150		JT3-6-5.5x110-E22	3 596 213 361
130	80 - 100	78 - 111	100		JT3-6-5.5x130-E22	3 596 313 361
150	100 - 120	98 - 131	100		JT3-6-5.5x150-E22	3 596 413 361
170	120 - 140	118 - 151	100		JT3-6-5.5x170-E22	3 596 513 361
190	140 - 160	138 - 171	100		JT3-6-5.5x190-E22	3 596 613 361

* JT6 made of A4 stainless steel upon request

Application area

- Fastening profiled steel sheet to 1.5–5 mm steel substructure
- Fastening profiled aluminium sheet and sandwich panels to 1.5–5 mm steel or aluminium substructure

Properties

- A2 stainless steel with hardened drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer

Technical Data

Drilling capacity $t_1 + t_2$	1.0 + 5.0 mm
Drive	Hexagon AF8
Ø screw	5.5 mm

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Self-drilling
Screws

Self-tapping
Screws

Solar
Fasteners

Storm
Washers

Special
Screws

Rivets

Direct
Fastening

Scaffolding
Anchors

Dekite®
Flashings

Self-drilling
Roof Screws
Dabo®

Stress Plates /
Flat Roofing Tube
Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
Technology

Installation
Tools

Accessories

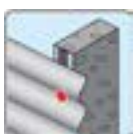


Self-drilling screws JF3/JT3

A2 stainless steel with hardened steel point / steel drill point



T25



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AF8



Approval
ETA-10/0200

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EJOT® SUPER-SAPHIR self-drilling screw JT3-FR-6-5.5

with truss head

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E11, Ø 11 mm						
5.5	25	0 - 7	1,000		JT3-FR-6-5.5x25-E11	3 592 269 368
5.5	35	0 - 17	500		JT3-FR-6-5.5x35-E11	3 592 569 368

Application Range

- Fastening corrugated profile steel sheet to 1.5–5 mm steel substructure
- Fastening corrugated profile aluminium sheet to 1.5–5 mm steel or aluminium substructure

Properties

- A2 stainless steel with hardened drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer

Technical Data

Drilling capacity $t_1 + t_2$	1.0 + 5.0 mm
Drive	Hexalobular drive T25

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EJOT® SUPER-SAPHIR self-drilling screw JT3-6-6.3

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E16, Ø 16 mm						
6.3	25	0 - 7	500		JT3-6-6.3x25-E16	3 599 411 361
Sealing washer E22, Ø 22 mm						
6.3	25	0 - 7	500		JT3-6-6.3x25-E22	3 599 413 361

Application Range

- Fastening profiled steel sheet to 2–5 mm steel substructure

Properties

- A2 stainless steel with hardened drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer

Technical Data

Drilling capacity $t_1 + t_2$	1.0 + 5.0 mm
Drive	Hexagon AF8

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Self-drilling screws JF3/JT3

A2 stainless steel with hardened steel point / steel drill point

EJOT®

EJOT® SUPER-SAPHIR self-drilling screw JT3-12-5.5

Length [mm]	For sandwich panels [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E16, Ø 16 mm						
40	-	0 - 11	500		JT3-12-5.5x40-E16*	3 595 611 311
58	-	0 - 31	250		JT3-12-5.5x58-E16	3 595 811 311
78	20 - 40	19 - 51	250		JT3-12-5.5x78-E16	3 595 011 311
98	40 - 60	39 - 71	100		JT3-12-5.5x98-E16	3 595 111 311
118	60 - 80	59 - 91	150		JT3-12-5.5x118-E16	3 595 211 311
138	80 - 100	79 - 111	150		JT3-12-5.5x138-E16	3 595 311 311
158	100 - 120	99 - 131	150		JT3-12-5.5x158-E16	3 595 411 311
178	120 - 140	119 - 151	150		JT3-12-5.5x178-E16	3 595 511 311
198	140 - 160	139 - 171	100		JT3-12-5.5x198-E16	3 595 711 311
Sealing washer E22, Ø 22 mm						
40	-	0 - 11	250		JT3-12-5.5x40-E22	3 595 613 311
58	-	0 - 31	250		JT3-12-5.5x58-E22	3 595 813 311
78	20 - 40	19 - 51	200		JT3-12-5.5x78-E22	3 595 013 311
98	40 - 60	39 - 71	150		JT3-12-5.5x98-E22	3 595 113 311
118	60 - 80	59 - 91	150		JT3-12-5.5x118-E22	3 595 213 311
138	80 - 100	79 - 111	100		JT3-12-5.5x138-E22	3 595 313 311
158	100 - 120	99 - 131	100		JT3-12-5.5x158-E22	3 595 413 311
178	120 - 140	119 - 151	100		JT3-12-5.5x178-E22	3 595 513 311
198	140 - 160	139 - 171	100		JT3-12-5.5x198-E22	3 595 713 311

*JT6 made of A4 stainless steel upon request

Application area

- Fastening profiled steel and aluminium sheet and sandwich panels to 4-10 mm steel substructure
- Fastening profiled aluminium sheet and sandwich panels to 4-12 mm aluminium substructure

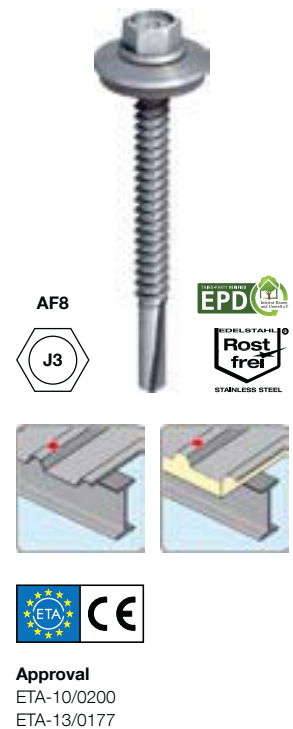
Properties

- A2 stainless steel with hardened drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer

Technical Data

Drilling capacity $t_f + t_p$	1.0 + 12.0 mm / 2.0 + 10.0 mm
Drive	Hexagon AF8
Ø screw	5.5 mm

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Self-drilling
Screws

Self-tapping
Screws

Solar
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Storm
Washers

Special
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Anchors

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Flashings

Self-drilling
Roof Screws
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Flat Roofing Tube
Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
Technology

Installation
Tools

Accessories





Self-drilling screws JF3/JT3

A2 stainless steel with hardened steel point / steel drill point



T25



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EJOT® SUPER-SAPHIR self-drilling screw JT3-FR-12-5.5

with truss head

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E11, Ø 11 mm						
5.5	40	11	500		JT3-FR-12-5.5x40-E11	3 595 669 318

Application Range

- Fastening corrugated profile steel and aluminium sheet to 4–10 mm steel sub-structure
- Fastening corrugated profile aluminium sheet to 4–12 mm aluminium substructure

Technical Data

Drilling capacity $t_1 + t_2$	1.0 + 12.0 mm / 2.0 + 10.0 mm
Drive	Hexalobular drive T25

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Properties

- A2 stainless steel with hardened drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer

EJOT® SUPER-SAPHIR self-drilling screw JT3-18-5.5

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E16, Ø 16 mm						
5.5	55	0 - 18	500		JT3-18-5.5x55-E16	3 593 011 381

Application area

- Fastening profiled steel and aluminium sheet and sandwich panels to 4-16 mm steel substructure
- Fastening profiled aluminium sheet and sandwich panels to 4–18 mm aluminium substructure

Properties

- A2 stainless steel with hardened drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer

Technical Data

Drilling capacity $t_1 + t_2$	1.0 + 18.0 mm / 2.0 + 16.0 mm
Drive	Hexagon AF8

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in June 2015!

Self-drilling screws JF3/JT3

A2 stainless steel with hardened steel point / steel drill point

EJOT®

EJOT® SUPER-SAPHIR self-drilling screw JT3-D-2H-6.5/7.0

Length [mm]	For sandwich panels [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E16, Ø 16 mm					
100	20 - 45	100		JT3-D-2H-6.5/7.0x100-E16	3 558 411 351
120	40 - 65	100		JT3-D-2H-6.5/7.0x120-E16	3 558 511 351
140	60 - 85	100		JT3-D-2H-6.5/7.0x140-E16	3 558 611 351
160	80 - 105	100		JT3-D-2H-6.5/7.0x160-E16	3 558 711 351
180	100 - 125	100		JT3-D-2H-6.5/7.0x180-E16	3 558 811 351
200	120 - 145	100		JT3-D-2H-6.5/7.0x200-E16	3 558 911 351
220	140 - 165	100		JT3-D-2H-6.5/7.0x220-E16	3 559 311 351
240	160 - 185	100		JT3-D-2H-6.5/7.0x240-E16	3 559 011 351
280	200 - 225	100		JT3-D-2H-6.5/7.0x280-E16	3 559 111 351
300	220 - 245	100		JT3-D-2H-6.5/7.0x300-E16	3 559 211 321
Sealing washer E19, Ø 19 mm					
100	20 - 45	100		JT3-D-2H-6.5/7.0x100-E19	3 558 466 351
120	40 - 65	100		JT3-D-2H-6.5/7.0x120-E19	3 558 566 351
140	60 - 85	100		JT3-D-2H-6.5/7.0x140-E19	3 558 666 351
160	80 - 105	100		JT3-D-2H-6.5/7.0x160-E19	3 558 766 351
180	100 - 125	100		JT3-D-2H-6.5/7.0x180-E19	3 558 866 351
200	120 - 145	100		JT3-D-2H-6.5/7.0x200-E19	3 558 966 351
220	140 - 165	100		JT3-D-2H-6.5/7.0x220-E19	3 559 366 351
240	160 - 185	100		JT3-D-2H-6.5/7.0x240-E19	3 559 066 351
280	200 - 225	100		JT3-D-2H-6.5/7.0x280-E19	3 559 166 351
300	220 - 245	100		JT3-D-2H-6.5/7.0x300-E19	3 559 266 351
Sealing washer E22, Ø 22 mm					
100	20 - 45	100		JT3-D-2H-6.5/7.0x100-E22	3 558 413 351
120	40 - 65	100		JT3-D-2H-6.5/7.0x120-E22	3 558 513 351
140	60 - 85	100		JT3-D-2H-6.5/7.0x140-E22	3 558 613 351
160	80 - 105	100		JT3-D-2H-6.5/7.0x160-E22	3 558 713 351
180	100 - 125	100		JT3-D-2H-6.5/7.0x180-E22	3 558 813 351
200	120 - 145	100		JT3-D-2H-6.5/7.0x200-E22	3 558 913 351
220	140 - 165	100		JT3-D-2H-6.5/7.0x220-E22	3 559 313 351
240	160 - 185	100		JT3-D-2H-6.5/7.0x240-E22	3 559 013 351
280	200 - 225	100		JT3-D-2H-6.5/7.0x280-E22	3 559 113 351
300	220 - 245	100		JT3-D-2H-6.5/7.0x300-E22	3 559 213 351

Application area

- Fastening sandwich panels to timber substructure

Properties

- A2 stainless steel with hardened drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer
- With free spin zone under screw head
- High thread

Technical Data

Drive	Hexagon AF8
Ø screw	6.5 mm
Ø high thread	7.0 mm

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NEW



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Approval
ETA-13/0177

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EJOT® SUPER-SAPHIR self-drilling screw JT3-D-6H-5.5/6.3

Length [mm]	For sandwich panels [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E16, Ø 16 mm						
67	35 - 40	30 - 48	250		JT3-D-6H-5.5/6.3x67-E16	3 554 511 372
87	42 - 60	37 - 68	200		JT3-D-6H-5.5/6.3x87-E16	3 556 011 371
107	52 - 80	47 - 88	200		JT3-D-6H-5.5/6.3x107-E16	3 556 111 371
127	72 - 100	67 - 108	150		JT3-D-6H-5.5/6.3x127-E16	3 556 211 371
147	92 - 120	87 - 128	150		JT3-D-6H-5.5/6.3x147-E16	3 556 311 371
167	112 - 140	107 - 148	150		JT3-D-6H-5.5/6.3x167-E16	3 556 711 371
197	140 - 170	137 - 178	100		JT3-D-6H-5.5/6.3x197-E16	3 559 711 372
237	170 - 210	166 - 218	100		JT3-D-6H-5.5/6.3x237-E16	3 559 611 372
267	200 - 240	196 - 248	100		JT3-D-6H-5.5/6.3x267-E16	3 559 911 372
Sealing washer E19, Ø 19 mm						
67	35 - 40	30 - 48	250		JT3-D-6H-5.5/6.3x67-E19	3 554 566 372
87	48 - 60	37 - 68	200		JT3-D-6H-5.5/6.3x87-E19	3 556 066 371
107	58 - 80	47 - 88	100		JT3-D-6H-5.5/6.3x107-E19	3 556 166 371
127	72 - 100	67 - 108	150		JT3-D-6H-5.5/6.3x127-E19	3 556 266 371
147	92 - 120	87 - 128	150		JT3-D-6H-5.5/6.3x147-E19	3 556 366 371
167	112 - 140	107 - 148	100		JT3-D-6H-5.5/6.3x167-E19	3 556 766 371
197	140 - 170	137 - 178	100		JT3-D-6H-5.5/6.3x197-E19	3 559 766 372
237	170 - 210	166 - 218	50		JT3-D-6H-5.5/6.3x237-E19	3 559 666 372
267	200 - 240	196 - 248	50		JT3-D-6H-5.5/6.3x267-E19	3 559 966 372
Sealing washer E22, Ø 22 mm						
67	35 - 40	30 - 48	200		JT3-D-6H-5.5/6.3x67-E22	3 554 513 372
87	48 - 60	37 - 68	150		JT3-D-6H-5.5/6.3x87-E22	3 556 013 371
107	58 - 80	47 - 88	150		JT3-D-6H-5.5/6.3x107-E22	3 556 113 371
127	72 - 100	67 - 108	100		JT3-D-6H-5.5/6.3x127-E22	3 556 213 371
147	92 - 120	87 - 128	100		JT3-D-6H-5.5/6.3x147-E22	3 556 313 371
167	112 - 140	107 - 148	100		JT3-D-6H-5.5/6.3x167-E22	3 556 713 371
197	140 - 170	137 - 178	100		JT3-D-6H-5.5/6.3x197-E22	3 559 713 372
237	170 - 210	166 - 218	50		JT3-D-6H-5.5/6.3x237-E22	3 559 613 372
267	200 - 240	196 - 248	50		JT3-D-6H-5.5/6.3x267-E22	3 559 913 372

Order information: Further lengths upon request.

Application area

- Fastening sandwich panels to 1.5–5 mm steel substructure

Properties

- A2 stainless steel with hardened drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer
- With free spin zone under screw head
- High thread

Technical Data

Drive	Hexagon AF8
Ø screw	5.5 mm
Ø high thread	6.3 mm

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Self-drilling screws JF3/JT3

A2 stainless steel with hardened steel point / steel drill point

EJOT®

EJOT® SUPER-SAPHIR self-drilling screw JT3-D-12H-5.5/6.3

Length [mm]	For sandwich panels [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E16, Ø 16 mm						
75	36 - 40	36 - 48	250		JT3-D-12H-5.5/6.3x75-E16	3 557 511 312
95	48 - 60	46 - 68	200		JT3-D-12H-5.5/6.3x95-E16	3 554 911 311
115	58 - 80	56 - 88	200		JT3-D-12H-5.5/6.3x115-E16	3 555 211 311
135	72 - 100	68 - 108	150		JT3-D-12H-5.5/6.3x135-E16	3 555 411 311
155	92 - 120	88 - 128	150		JT3-D-12H-5.5/6.3x155-E16	3 555 711 311
175	110 - 140	108 - 148	150		JT3-D-12H-5.5/6.3x175-E16	3 556 511 312
195	130 - 160	128 - 178	150		JT3-D-12H-5.5/6.3x195-E16	3 559 511 312
245	170 - 210	167 - 218	100		JT3-D-12H-5.5/6.3x245-E16	3 559 811 312
275	200 - 240	197 - 248	100		JT3-D-12H-5.5/6.3x275-E16	3 557 311 312
300	225 - 265	222 - 273	100		JT3-D-12H-5.5/6.3x300-E16	3 557 411 312
Sealing washer E19, Ø 19 mm						
75	36 - 40	36 - 48	200		JT3-D-12H-5.5/6.3x75-E19	3 557 566 312
95	48 - 60	46 - 68	200		JT3-D-12H-5.5/6.3x95-E19	3 554 966 311
115	58 - 80	56 - 88	150		JT3-D-12H-5.5/6.3x115-E19	3 555 266 311
135	72 - 100	68 - 108	150		JT3-D-12H-5.5/6.3x135-E19	3 555 466 311
155	92 - 120	88 - 128	100		JT3-D-12H-5.5/6.3x155-E19	3 555 766 311
175	110 - 140	108 - 148	100		JT3-D-12H-5.5/6.3x175-E19	3 556 566 312
195	130 - 160	128 - 178	100		JT3-D-12H-5.5/6.3x195-E19	3 559 566 312
245	170 - 210	167 - 218	100		JT3-D-12H-5.5/6.3x245-E19	3 559 866 312
275	200 - 240	197 - 248	100		JT3-D-12H-5.5/6.3x275-E19	3 357 366 312
300	225 - 265	222 - 273	100		JT3-D-12H-5.5/6.3x300-E19	3 557 466 312
Sealing washer E22, Ø 22 mm						
75	36 - 40	36 - 48	200		JT3-D-12H-5.5/6.3x75-E22	3 557 513 312
95	48 - 60	46 - 68	200		JT3-D-12H-5.5/6.3x95-E22	3 554 913 311
115	58 - 80	56 - 88	150		JT3-D-12H-5.5/6.3x115-E22	3 555 213 311
135	72 - 100	68 - 108	100		JT3-D-12H-5.5/6.3x135-E22	3 555 413 311
155	92 - 120	88 - 128	100		JT3-D-12H-5.5/6.3x155-E22	3 555 713 311
175	110 - 140	108 - 148	100		JT3-D-12H-5.5/6.3x175-E22	3 556 513 312
195	130 - 160	128 - 178	100		JT3-D-12H-5.5/6.3x195-E22	3 559 513 312
245	170 - 210	167 - 218	50		JT3-D-12H-5.5/6.3x245-E22	3 559 813 312
275	200 - 240	197 - 248	50		JT3-D-12H-5.5/6.3x275-E22	3 557 313 312
300	225 - 265	222 - 273	50		JT3-D-12H-5.5/6.3x300-E22	3 557 413 312
Order information: Further lengths upon request.						

Application area

- Fastening sandwich panels to 3–10 mm steel substructure

Properties

- A2 stainless steel with hardened drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer
- With free spin zone under screw head
- High thread

Technical Data

Drive	Hexagon AF8
Ø screw	5.5 mm
Ø high thread	6.3 mm

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Self-drilling screws JF3/JT3

A2 stainless steel with hardened steel point / steel drill point



T25



Approval
Z-14.4-426

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AF8



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EJOT® SUPER-SAPHIR self-drilling screw JT3-ST-2-6.0

with countersunk head

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
6.0	35	0 - 20	500		JT3-ST-2-6.0x35	7 382 160 301
6.0	60	15 - 45	250		JT3-ST-2-6.0x60	7 382 125 301
6.0	80	15 - 65	250		JT3-ST-2-6.0x80	7 382 107 301
6.0	100	35 - 85	250		JT3-ST-2-6.0x100	7 382 101 301
6.0	120	55 - 105	200		JT3-ST-2-6.0x120	7 382 102 301
6.0	140	75 - 125	150		JT3-ST-2-6.0x140	7 382 103 301
6.0	160	95 - 145	150		JT3-ST-2-6.0x160	7 382 104 301
6.0	180	115 - 165	150		JT3-ST-2-6.0x180	7 382 105 301
6.0	200	135 - 185	150		JT3-ST-2-6.0x200	7 382 106 301

Application area

- Fastening rail systems with intermediate insulation to thin-walled steel, aluminium or timber substructure
- Fastening timber parts to thin-walled steel or aluminium substructure

Properties

- A2 stainless steel with hardened drill point

Technical Data

Drilling capacity $t_f + t_p$	1.0 + 1.0 mm
Drive	Hexalobular drive T25

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EJOT® SUPER-SAPHIR self-drilling screw JT3-X-2-6.0

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
6.0	25	0 - 10	500		JT3-X-2-6.0x25	7 380 539 301
6.0	36	0 - 20	500		JT3-X-2-6.0x36	7 380 516 301
6.0	46	0 - 30	500		JT3-X-2-6.0x46	7 380 517 301

Application Range

- Fixing standing seam systems (clips) to 0.5–1.5 mm steel substructure
 - Fixing standing seam systems (clips) to 0.8–1.5 mm aluminium substructure or timber substructure
- Embedment depth acc. to the approval
18–24 mm

Properties

- A2 stainless steel with hardened drill point
- Under-head serrations to increase the installation reliability
- Special thread for thin-walled components
- High stripping torque
- Installation without special tools

Technical Data

Drilling capacity $t_f + t_p$	1.0 + 1.0 mm
Drive	Hexagon AF8

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Self-drilling screws JT4/JT9

A2/A4 stainless steel

EJOT® stainless steel SAPHIR self-drilling screw JT4-FR-2-4.9

with truss head

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E11, Ø 11 mm					
4.9	35	500		JT4-FR-2-4.9x35-E11	3 503 568 420

Application Range

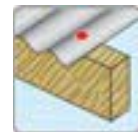
- Fastening corrugated profile aluminium sheet to timber substructure
- Fastening facade panels to timber substructure

Properties

- A2 stainless steel
- Stainless steel sealing washer
- Pre-assembled sealing washer
- Thread according to DIN 7998

Technical Data

Drilling capacity $t_1 + t_2$	0.5 - 2.0 mm
Drive	Hexalobular drive T25



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ETA-10/0200

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EJOT® stainless steel SAPHIR self-drilling screw JT4-4-4.8

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
without sealing washer						
4.8	19	0 - 9	1,000		JT4-4-4.8x19	7 380 387 300
Sealing washer E14, Ø 14 mm						
4.8	19	0 - 6	1,000		JT4-4-4.8x19-E14	3 501 909 440

Application Range

- Fastening aluminium profiles to aluminium substructure ≤ 3 mm

Properties

- A2 stainless steel
- Stainless steel sealing washer
- Pre-assembled sealing washer

Technical Data

Drilling capacity $t_1 + t_2$	1.0 + 3.0 mm
Drive	Hexagon AF8



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P-BWU02-148007

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Self-drilling screws JT4/JT9

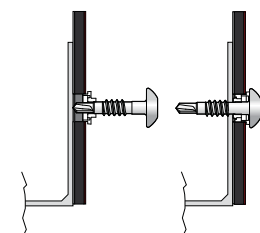
A2/A4 stainless steel



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Metal screwdriver SCS 6.3 189

EJOT® stainless steel SAPHIR self-drilling screw JT4-ZT-4-4.8

with flat head

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
without sealing washer						
4.8	25	0 - 15	1,000		JT4-ZT-4-4.8x25	7 381 129 300

Application Range

- Fastening aluminium profiles to aluminium substructure ≤3 mm

Properties

- A2 stainless steel

Technical Data

Drilling capacity $t_1 + t_2$	1.0 + 3.0 mm
Drive	Hexalobular drive T25

EJOT® stainless steel SAPHIR self-drilling screw JT4-FR-2H/6-4.8

with centring bush

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Self-drilling screw						
4.8	22	6	500		JT4-FR-2H/6-4.8x22*	7 384 170 300
Centring bush						
-	-	-	500		Centring bush	3 010 003 700

*JT9 made of A4 stainless steel, upon request

Application Range

- Fastener for ALUCOBOND® external wall cladding according to Z-33.2-6

Properties

- A2 stainless steel
- Fastener heads in ALUCOBOND® standard and special colours available (delivery time ca. 10 work days)

Advantages

- Centred drilling and simultaneous fastening of the boards to the substructure
- No pre-drilling of the substructure

Note

We recommend the tapered special bit TORX® T25W-1/4"/Cx25 for force fit in the fastener head.

Technical Data

Drilling capacity $t_1 + t_2$	1.0 + 3.0 mm
Drive	Hexalobular drive T25
Ø drill hole centring bush	8.0 mm

Self-drilling screws JT4/JT9

A2/A4 stainless steel

EJOT® stainless steel SAPHIR self-drilling screw JT4-FR-4-5.5

with truss head

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
without sealing washer						
5.5	19	0 - 11	1,000		JT4-FR-4-5.5x19	7 381 138 300
Sealing washer E11, Ø 11 mm						
5.5	19	0 - 8	1,000		JT4-FR-4-5.5x19-E11	3 501 869 448

Application Range

- Fastening aluminium corrugated profile sheet to aluminium substructure ≤ 3 mm
- Fastening facade panels to aluminium substructure

Technical Data

Drilling capacity $t_f + t_p$	1.0 + 3.0 mm
Drive	Hexalobular drive T25

Properties

- A2 stainless steel
- Stainless steel sealing washer
- Pre-assembled sealing washer

EJOT® stainless steel SAPHIR self-drilling screw (JT4/JT9)-6-5.5

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
JT4 made of A2 stainless steel without sealing washer						
5.5	22	0 - 10	1,000		JT4-6-5.5x22	7 380 508 301
5.5	30	0 - 18	500		JT4-6-5.5x30	7 380 509 301
JT4 made of A2 stainless steel with sealing washer E14, Ø 14 mm						
5.5	22	0 - 7	1,000		JT4-6-5.5x22-E14	3 502 109 460
5.5	30	0 - 15	500		JT4-6-5.5x30-E14	3 502 309 461
JT4 made of A2 stainless steel with sealing washer E16, Ø 16 mm						
5.5	22	0 - 7	500		JT4-6-5.5x22-E16	3 502 111 460
5.5	30	0 - 15	500		JT4-6-5.5x30-E16	3 502 311 461
JT9 made of A4 stainless steel without sealing washer						
5.5	22	0 - 10	1,000		JT9-6-5.5x22	7 380 508 341 NEW

Application Range

- Fastening aluminium profiles to aluminium substructure ≤ 4 mm

Technical Data

Drilling capacity $t_f + t_p$	2.0 + 4.0 mm
Drive	Hexagon AF8

Properties

- A2/A4 stainless steel
- Stainless steel sealing washer
- Pre-assembled sealing washer

EJOT®



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Self-drilling screw JT2-FZ-F-6.5...50

Metal screwdriver SCS 6.3-SH2 189

EJOT® stainless steel SAPHIR self-drilling screw JT4-FZ-6.5

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
FZD sealing washer					
6.5	130	100		JT4-FZ-6.5x130-FZD	3 515 675 400

Application area

- Fastening fibre cement corrugated sheets to timber substructures

Properties

- A2 stainless steel
- Pre-assembled FZD sealing washer
- A2 stainless steel washer
- Screw wings save additional drilling into the corrugated slabs
- Reduced forcing tension

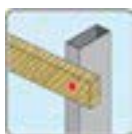
Note

Suitable for covering with fibre cement corrugated sheet profile 177/51 P5 and P6 to timber substructure without insulation. For the dimensioning and the use of fastening materials please note the manufacturer's instructions for use as well as the national approvals.

Technical Data

Drive	Hexagon AF8
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Test certificate

P-BWU02-064191

Cross reference page

Bit Torx® 198

EJOT® stainless steel SAPHIR self-drilling screw JT4-S-2-4.8

Ø [mm]	Length [mm]	For timber thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
4.8	38	20 - 30	500		JT4-S-2-4.8x38	7 382 086 300
4.8	48	30 - 40	500		JT4-S-2-4.8x48	7 382 072 300

Application area

- Fastening timber laths to aluminium substructure ≤ 2 mm

Properties

- A2 stainless steel
- Countersunk head with milling ribs

Technical Data

Drilling capacity $t_1 + t_2$	2.0 mm
Drive	Hexalobular drive T25

Self-drilling screws JT4/JT9

A2/A4 stainless steel

EJOT® stainless steel SAPHIR self-drilling screw (JT4/JT9)-3H/5-5.5x19

for component assemblies from 3.1 – 5.0 mm (component I + component II)

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
JT4 made of A2 stainless steel					
5.5	19	500		JT4-3H/5-5.5x19	7 380 540 300
JT9 made of A4 stainless steel					
5.5	19	500		JT9-3H/5-5.5x19	7 380 540 340

Application Range

- To form floating and fixed points on sub-structures of rear ventilated facades
- Fastening pre-drilled stainless steel or aluminium wall brackets to aluminium support profiles

Technical Data

Drilling capacity	2.0 mm
Drive	Hexagon AF8
Flange head	Ø 13 mm
Material	A2/A4 stainless steel
Length non-threaded part	5.0 mm

Possible component assemblies

Component I [mm]	Comp. II [mm]	Total t _i + t _h [mm]	R _m support profile/ wall bracket
1.5 (stainless steel)	1.6	3.1	≥ 190 N/mm²
	2.0	3.5	
	2.4	3.9	
	1.6	3.1	≥ 215 N/mm²
	2.0	3.5	
	2.4	3.9	
3.0 (aluminium)	1.6	4.6	≥ 190 N/mm²
	2.0	5.0	
	1.6	4.6	≥ 215 N/mm²
	2.0	5.0	
	1.6	4.6	≥ 245 N/mm²
	2.0	5.0	

EJOT® stainless steel SAPHIR self-drilling screw (JT4/JT9)-3H/7-5.5x21

for component assemblies from 6.0 – 7.0 mm (component I + component II)

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
JT4 made of A2 stainless steel					
	21	500		JT4-3H/7-5.5x21	7 380 675 300
JT9 made of A4 stainless steel					
	21	500		JT9-3H/7-5.5x21	7 380 676 340

Application Range

- To form floating and fixed points on sub-structures of rear ventilated facades
- Fastening pre-drilled stainless steel or aluminium wall brackets to aluminium support profiles

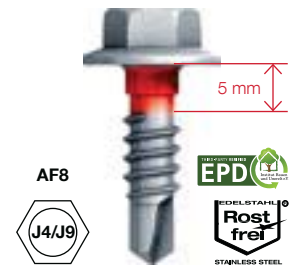
Technical Data

Drilling capacity	3.0 mm
Drive	Hexagon AF8
Flange head	Ø 13 mm
Material	A2/A4 stainless steel
Length non-threaded part	7.0 mm

Possible component assemblies

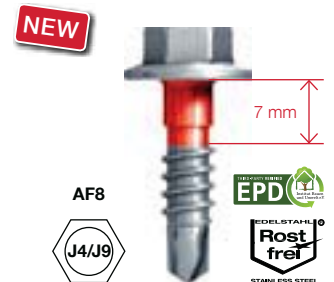
Component I [mm]	Comp. II [mm]	Total t _i + t _h [mm]	R _m support profile/ wall bracket
3.0 (aluminium)	3.0	6.0	≥ 190 N/mm²
			≥ 215 N/mm²
			≥ 245 N/mm²
4.0 (aluminium)	2.0	6.0	≥ 190 N/mm²
			≥ 215 N/mm²
			≥ 245 N/mm²
5.0 (aluminium)	2.0	7.0	≥ 190 N/mm²
			≥ 215 N/mm²
			≥ 245 N/mm²
4.0 (aluminium)	3.0	7.0	≥ 190 N/mm²
			≥ 215 N/mm²
			≥ 245 N/mm²

EJOT®



Test certificate
P-BWU02-148004

Cross reference page
Metal screwdriver SCS 6.3 189



Test certificate
P-BWU02-148004

Cross reference page
Metal screwdriver SCS 6.3 189



Self-drilling
Screws

Self-tapping
Screws

Solar
Fasteners

Storm
Washers

Special
Screws

Rivets

Direct
Fastening

Scaffolding
Anchors

Dekite®
Flashings

Self-drilling
Roof Screws
Dabo®

Stress Plates /
Flat Roofing Tube
Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
Technology

Installation
Tools

Accessories





T25



Approval
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T25



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EJOT® stainless steel SAPHIR self-drilling screw JT4-FR-4-4.8

with truss head

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
without sealing washer						
4.8	19	0 - 9	1,000		JT4-FR-4-4.8x19	7 381 095 300
Sealing washer E11, Ø 11 mm						
4.8	19	0 - 6	1,000		JT4-FR-4-4.8x19-E11	3 501 968 448
Sealing washer E14, Ø 14 mm						
4.8	19	0 - 6	1,000		JT4-FR-4-4.8x19-E14	3 501 909 448

Application Range

- Fastening aluminium corrugated profile sheet to aluminium substructure ≤ 3 mm
- Fastening facade panels to aluminium substructure

Properties

- A2 stainless steel
- Stainless steel sealing washer
- Pre-assembled sealing washer

Technical Data

Drilling capacity $t_1 + t_2$	1.0 + 3.0 mm
Drive	Hexalobular drive T25

EJOT® stainless steel SAPHIR self-drilling screw JT4-STS-3-4.8

Ø [mm]	Length [mm]	For timber thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
4.8	35	0 - 27	500		JT4-STS-3-4.8x35	7 384 094 300

Application area

- Fastening facade panels to aluminium substructure ≤ 3 mm

Properties

- A2 stainless steel
- Countersunk head with flange

Technical Data

Drilling capacity $t_1 + t_2$	3.0 mm
Drive	Hexalobular drive T25

Self-drilling screws JT4/JT9

A2/A4 stainless steel

EJOT® stainless steel SAPHIR self-drilling screw JT4-LT-2/6-6.0x25

Ø [mm]	Length [mm]	max. panel thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
6.0	25	10	500		JT4-LT-2/6-6.0x25	7 384 199 300

NOTE: Also available in RAL lacquering

Application area

- Fastening facade panels to aluminium sub-structure ≤ 2.0 mm

Properties

- A2 stainless steel
- Pan head

Technical Data

Drilling capacity (t _p pre-drilled) + t _{fl}	1.5-2.0 mm
Drive	Hexalobular drive T25
Head diameter	16 mm
Head height	2 mm
Length non-threaded part	6.0 mm

EJOT® stainless steel SAPHIR self-drilling screw JT4-LT-2/6-6.0x40

Ø [mm]	Length [mm]	max. panel thickness onto timber / aluminium [mm]	PU	Price/100 [EUR]	Order description	Article number
6.0	40	10 / 26	500		JT4-LT-2/6-6.0x40	7 384 201 300

NOTE: Also available in RAL lacquering

Application area

- Fastening facade panels to timber and aluminium substructure

Properties

- A2 stainless steel
- Pan head

Technical Data

Drilling capacity (t _p pre-drilled) + t _{fl}	1.5-2.0 mm
Drive	Hexalobular drive T25
Head diameter	16 mm
Head height	2 mm
Length non-threaded part	6.0 mm

EJOT®



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Z-14.4-426

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TORX T25W-1/4"/Cx25 198



Self-drilling
Screws

Self-tapping
Screws

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Storm
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Special
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Anchors and
Installation
Technology

Installation
Tools

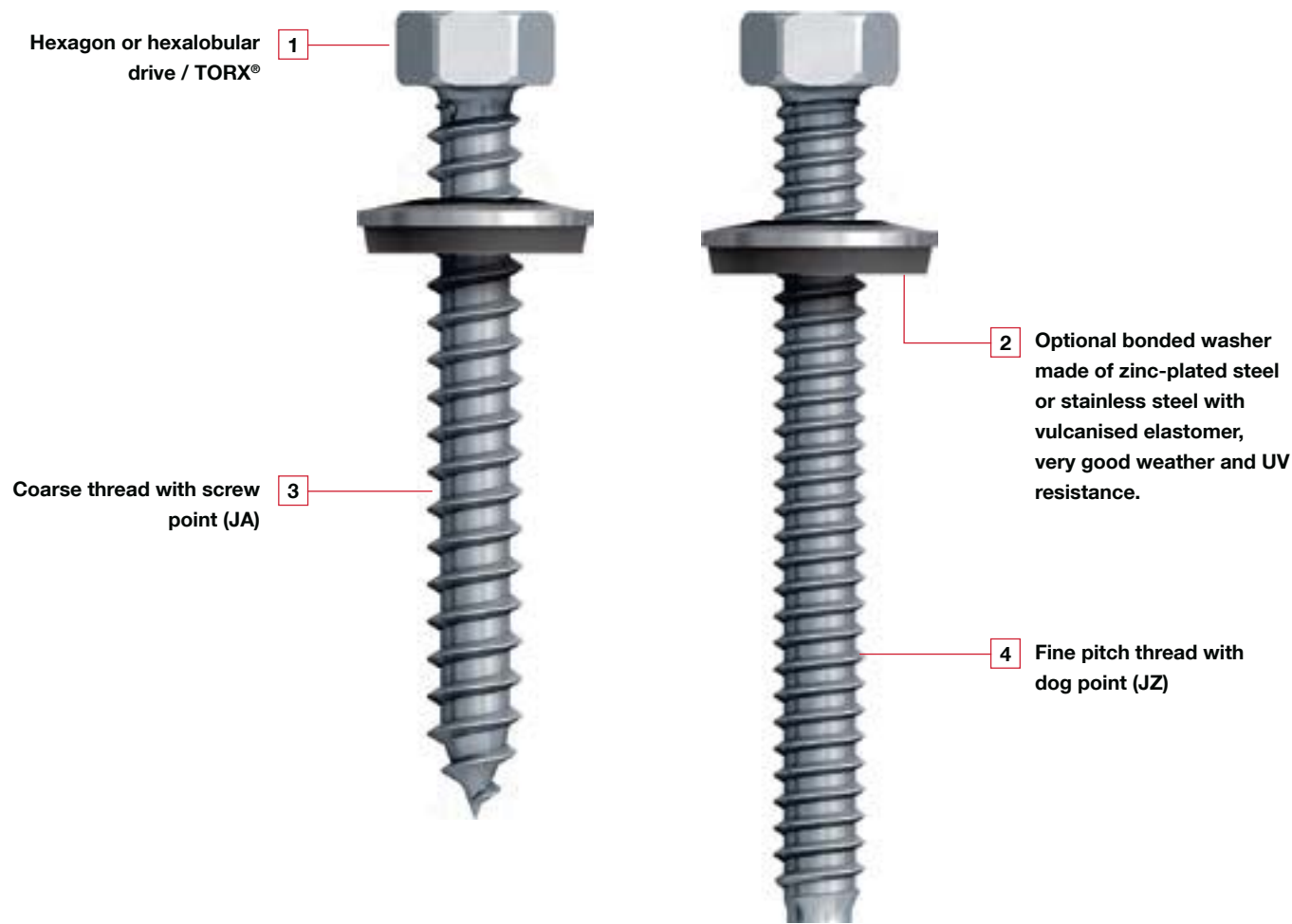
Accessories





EJOT® self-tapping screws

The EJOT® self-tapping screws form the thread in a pre-drilled hole. They feature a fine pitch thread with dog point or point. The self-tapping screws are completed by an optional pre-assembled sealing washer. The EJOT® self-tapping screws are all-purpose screws.



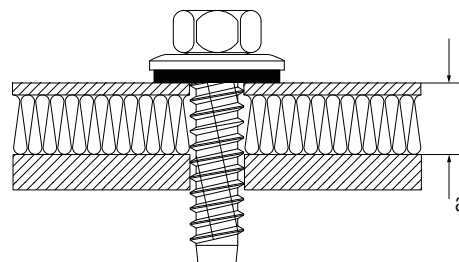
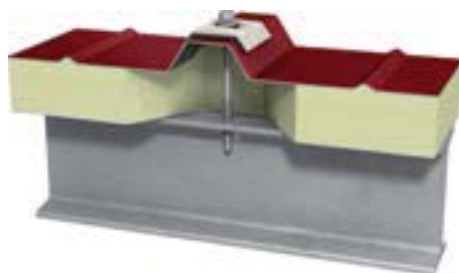
EJOT® self-tapping screws product overview

	JA3/JB3/JZ3	JA1/JZ1 CORREMAKS®	JZ7 CRONIMAKS®
Self-tapping screws with dog point or point			
Material	A2 stainless steel	A5 stainless steel (1.4529)	A2 stainless steel
For components made of	steel/aluminium/wood	steel/aluminium/wood	Steel S 355 (St 52) or stainless steel

**Application example 1**

Fastening sandwich panel to steel purlin ≥ 10 mm on the crown

- ORKAN storm washer
- Self-tapping screw JZ3-6.3xL
- Sealing washer E16

**Application example 2**

Fastening trapezoidal profile to steel purlin ≥ 10 mm on the crown

- ORKAN storm washer
- Self-tapping screw JZ3-6.3xL
- Sealing washer E16

**Selecting the fastener****Self-tapping screw**

$$L = a + 20 \text{ mm}$$

For self-tapping fasteners without drill point the cylindrical part of the screw has to be screwed **at least 6 mm** into the load-bearing component.

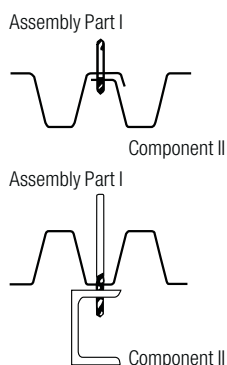
In practice 20 mm are added to the sum of the thickness of all components that are fastened onto component II (substructure).

The result is the minimum screw length of a self-tapping screw under consideration of sealing washer and uneven installation surface.

Application example 3

Fastening trapezoidal profile to steel purlin ≥ 10 mm in the valley

- Self-tapping screw JZ3-6.3xL
- Sealing washer E22

**Drill hole diameter
for profiled aluminium sheet**

Component thickness t_1 [mm]	Aluminium sheet, aluminium extrusion profile F22 up to F 25 ($R_m \geq 220 \text{ N/mm}^2 \leq 290 \text{ N/mm}^2$)				
	up to 0.9	1.0 - 1.4	1.5 - 2.9	3.0 - 4.9	≥ 5.0
Drill-hole $\varnothing$ [mm]	4.0	4.0	4.5	5.0	5.3
EJOT® Screw Type	JA $\varnothing$ 6.5 / JB $\varnothing$ 6.3			JZ $\varnothing$ 6.3	

* When fastening profiled aluminium sheet (component I) to steel substrate (component II) the drill-hole- $\varnothing$ from the chart for profiled steel sheet designs apply.

**Drill hole diameter
for profiled steel sheet**

Component thickness t_{II} [mm]	Hot dip galvanised sheet steel / sectional steel, flat steel St 37 ($R_m \geq 360 \text{ N/mm}^2 \leq 440 \text{ N/mm}^2$)														
	0.63	0.75	0.88	1.00	1.13	1.25	1.50	2x 0.75	2x 0.88	2x 1.00	2.0 - 4.9	5.0 - 6.9	≥ 7.0	1.5 - 5.9	6.0 - 7.9
Drill-hole $\varnothing$ [mm]	3.5	4.0	4.5	4.5	4.5	4.5	5.0	4.5	5.0	5.0	5.3	5.5	5.7	6.8	7.0
EJOT® Screw Type						JA $\varnothing$ 6.5 / JB $\varnothing$ 6.3					JZ $\varnothing$ 6.3			JZ $\varnothing$ 8.0	

Self-tapping screws JA3 / JZ3

A2 stainless steel

EJOT®

EJOT® self-tapping screw JA3-6.5

Length [mm]	For sandwich panels [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E16, Ø 16 mm						
19	-	-	500		JA3-6.5x19-E16	3 113 111 311
25	-	-	500		JA3-6.5x25-E16	3 113 211 311
32	-	-	500		JA3-6.5x32-E16	3 113 311 311
38	-	-	500		JA3-6.5x38-E16	3 113 411 311
45	-	-	500		JA3-6.5x45-E16	3 113 511 311
50	-	-	250		JA3-6.5x50-E16	3 113 611 311
64	-	0 - 14	250		JA3-6.5x64-E16	3 113 811 311
75	-	0 - 25	100		JA3-6.5x75-E16	3 113 911 311
90	-	12 - 40	100		JA3-6.5x90-E16	3 114 111 311
100	20 - 45	22 - 50	100		JA3-6.5x100-E16	3 114 211 311
115	40 - 60	37 - 65	100		JA3-6.5x115-E16	3 114 311 311
125	55 - 70	47 - 75	100		JA3-6.5x125-E16	3 114 411 311
150	70 - 95	70 - 100	100		JA3-6.5x150-E16	3 114 611 311
175	90 - 120	90 - 125	100		JA3-6.5x175-E16	3 114 711 311
200	115 - 145	115 - 150	100		JA3-6.5x200-E16	3 114 811 311
230	140 - 175	140 - 180	100		JA3-6.5x230-E16	3 114 911 311
260	170 - 205	170 - 210	100		JA3-6.5x260-E16	3 110 911 311
290	200 - 235	200 - 240	100		JA3-6.5x290-E16	3 116 211 311
Sealing washer E22, Ø 22 mm						
19	-	-	500		JA3-6.5x19-E22	3 113 113 311
25	-	-	500		JA3-6.5x25-E22	3 113 213 311
32	-	-	200		JA3-6.5x32-E22	3 113 313 311
38	-	-	200		JA3-6.5x38-E22	3 113 413 311
45	-	-	250		JA3-6.5x45-E22	3 113 513 311
50	-	-	250		JA3-6.5x50-E22	3 113 613 311
64	-	0 - 14	200		JA3-6.5x64-E22	3 113 813 311
75	-	0 - 25	100		JA3-6.5x75-E22	3 113 913 311
90	-	12 - 40	100		JA3-6.5x90-E22	3 114 113 311
100	20 - 45	22 - 50	100		JA3-6.5x100-E22	3 114 213 311
115	40 - 60	37 - 65	100		JA3-6.5x115-E22	3 114 313 311
125	55 - 70	47 - 75	100		JA3-6.5x125-E22	3 114 413 311
150	70 - 95	70 - 100	100		JA3-6.5x150-E22	3 114 613 311
175	90 - 120	90 - 125	100		JA3-6.5x175-E22	3 114 713 311
200	115 - 145	115 - 150	100		JA3-6.5x200-E22	3 114 813 311
230	140 - 175	140 - 180	50		JA3-6.5x230-E22	3 114 913 311
260	170 - 205	170 - 210	50		JA3-6.5x260-E22	3 110 913 311
290	200 - 235	200 - 240	50		JA3-6.5x290-E22	3 116 213 311

Application Range

- Fastening profiled steel sheet and sandwich panels to timber substructure
- Fastening profiled steel / aluminium sheet to ≤ 2 mm steel substructure
- Side lap stitching of profiled steel / aluminium sheet

Properties

- A2 stainless steel
- Stainless steel sealing washer
- Pre-assembled sealing washer

Technical Data	
Drive	Hexagon AF 3/8"
Ø screw	6.5 mm

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AF3/8"



Approval

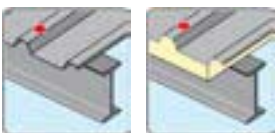
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AF3/8"



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EJOT® self-tapping screw JZ3-6.3

Length [mm]	For sandwich panels [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E16, Ø 16 mm						
19	-	0 - 12	500		JZ3-6.3x19-E16	3 111 111 311
25	-	0 - 18	500		JZ3-6.3x25-E16	3 111 211 311
32	-	0 - 25	500		JZ3-6.3x32-E16	3 111 311 311
38	-	0 - 31	500		JZ3-6.3x38-E16	3 111 411 311
50	40	0 - 43	250		JZ3-6.3x50-E16	3 111 611 311
64	40	0 - 57	250		JZ3-6.3x64-E16	3 111 811 311
80	40 - 55	13 - 73	200		JZ3-6.3x80-E16	3 112 011 311
90	40 - 70	23 - 83	200		JZ3-6.3x90-E16	3 112 111 311
100	40 - 80	33 - 93	200		JZ3-6.3x100-E16	3 112 211 311
115	50 - 95	48 - 108	150		JZ3-6.3x115-E16	3 112 311 311
125	60 - 105	58 - 118	150		JZ3-6.3x125-E16	3 112 411 311
135	70 - 115	68 - 128	100		JZ3-6.3x135-E16	3 112 511 311
150	90 - 130	83 - 143	100		JZ3-6.3x150-E16	3 112 611 311
165	100 - 145	98 - 158	100		JZ3-6.3x165-E16	3 110 311 311
175	110 - 155	108 - 168	100		JZ3-6.3x175-E16	3 112 711 311
200	140 - 180	133 - 193	100		JZ3-6.3x200-E16	3 112 811 311
220	160 - 200	153 - 213	100		JZ3-6.3x220-E16	3 110 511 311
270	210 - 250	203 - 263	100		JZ3-6.3x270-E16	3 110 611 311
Sealing washer E22, Ø 22 mm						
19	-	0 - 12	500		JZ3-6.3x19-E22	3 111 113 311
25	-	0 - 18	500		JZ3-6.3x25-E22	3 111 213 311
32	-	0 - 25	200		JZ3-6.3x32-E22	3 111 313 311
38	-	0 - 31	200		JZ3-6.3x38-E22	3 111 413 311
50	40	0 - 43	250		JZ3-6.3x50-E22	3 111 613 311
64	40	0 - 57	200		JZ3-6.3x64-E22	3 111 813 311
80	40 - 55	13 - 73	150		JZ3-6.3x80-E22	3 112 013 311
90	40 - 70	23 - 83	150		JZ3-6.3x90-E22	3 112 113 311
100	40 - 80	33 - 93	150		JZ3-6.3x100-E22	3 112 213 311
115	50 - 95	48 - 108	100		JZ3-6.3x115-E22	3 112 313 311
125	60 - 105	58 - 118	100		JZ3-6.3x125-E22	3 112 413 311
135	70 - 115	68 - 128	100		JZ3-6.3x135-E22	3 112 513 311
150	90 - 130	83 - 143	100		JZ3-6.3x150-E22	3 112 613 311
165	100 - 145	98 - 158	100		JZ3-6.3x165-E22	3 110 313 311
175	110 - 155	108 - 168	100		JZ3-6.3x175-E22	3 112 713 311
200	140 - 180	133 - 193	100		JZ3-6.3x200-E22	3 112 813 311
220	160 - 200	153 - 213	100		JZ3-6.3x220-E22	3 110 513 311
270	210 - 250	203 - 263	100		JZ3-6.3x270-E22	3 110 613 311

Application Range

- Fastening profiled steel sheet and sandwich panels to steel substructure
- Fastening profiled steel and aluminium sheet to aluminium substructure

Properties

- A2 stainless steel
- Stainless steel sealing washer
- Pre-assembled sealing washer

Technical Data

Drive	Hexagon AF 3/8"
Ø screw	6.3 mm

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Self-tapping screws JA1 / JZ1

A5 stainless steel

EJOT

EJOT CORREMAKS® self-tapping screw JA1-6.5

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E16, Ø 16 mm						
6.5	22	-	500		JA1-6.5x22-E16	3 113 211 319
6.5	38	-	500		JA1-6.5x38-E16	3 113 411 319
6.5	64	-	250		JA1-6.5x64-E16	3 113 811 319
6.5	115	37 - 65	150		JA1-6.5x115-E16	3 114 311 319
6.5	145	70 - 95	150		JA1-6.5x145-E16	3 114 611 319

Application Range

- Side lap stitching of profiled steel sheet in highly corrosive environments
- Fastening profiled steel sheet to timber substructures in highly corrosive environments

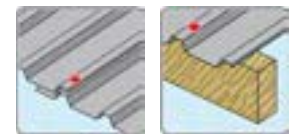
Properties

- A5 stainless steel – 1.4529
- Stainless steel sealing washer
- Pre-assembled sealing washer
- Highest corrosion protection class

Technical Data

Drive	Hexagon AF 3/8"
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EJOT CORREMAKS® self-tapping screw JZ1-6.3

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E16, Ø 16 mm						
6.3	22	0 - 7	500		JZ1-6.3x22-E16	3 111 211 319
6.3	54	0 - 39	200		JZ1-6.3x54-E16	3 111 511 319
6.3	70	3 - 55	200		JZ1-6.3x70-E16	3 111 711 319
6.3	125	58 - 110	150		JZ1-6.3x125-E16	3 112 411 319

Application Range

- Fastening profiled steel sheet to steel sub-structure in highly corrosive environments

Properties

- A5 stainless steel – 1.4529
- Stainless steel sealing washer
- Pre-assembled sealing washer
- Highest corrosion protection class

Technical Data

Drive	Hexagon AF 3/8"
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Self-drilling
Screws

Self-tapping
Screws

Solar
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Special
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Anchors

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Flashings

Self-drilling
Roof Screws
Dabo®

Stress Plates /
Flat Roofing Tube
Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
Technology

Installation
Tools

Accessories

i

Self-tapping screws JZ7

A2 stainless steel



AF3/8"



Approval

ETA-10/0200
ETA-13/0177

Cross reference

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EJOT® CRONIMAKS® self-tapping screw JZ7-6.3

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E16, Ø 16 mm						
6.3	22	0 - 15	500		JZ7-6.3x22-E16	3 290 211 711
6.3	65	0 - 56	250		JZ7-6.3x65-E16	3 290 611 711
6.3	85	23 - 78	200		JZ7-6.3x85-E16	3 290 811 711
6.3	105	33 - 98	200		JZ7-6.3x105-E16	3 291 011 711
6.3	125	58 - 118	150		JZ7-6.3x125-E16	3 291 211 711
6.3	145	83 - 138	100		JZ7-6.3x145-E16	3 291 411 711
6.3	165	98 - 158	100		JZ7-6.3x165-E16	3 291 611 711
6.3	185	108 - 178	100		JZ7-6.3x185-E16	3 291 811 711
Sealing washer E22, Ø 22 mm						
6.3	22	0 - 15	500		JZ7-6.3x22-E22	3 290 213 711
6.3	65	0 - 56	200		JZ7-6.3x65-E22	3 290 613 711
6.3	85	23 - 78	150		JZ7-6.3x85-E22	3 290 813 711
6.3	105	33 - 98	100		JZ7-6.3x105-E22	3 291 013 711
6.3	125	58 - 118	100		JZ7-6.3x125-E22	3 291 213 711
6.3	145	83 - 138	100		JZ7-6.3x145-E22	3 291 413 711
6.3	165	98 - 158	100		JZ7-6.3x165-E22	3 291 613 711
6.3	185	108 - 178	100		JZ7-6.3x185-E22	3 291 813 711

Application Range

- Fastening profiled steel sheet and sandwich panel to steel substrate up to S 355 (St 52)
- Fastening profiled steel sheet and sandwich panel to stainless steel substrate (up to Rm = 700 N/mm²)

Properties

- Approved A2 stainless steel screw for high-strength steel substructures
- Stainless steel sealing washer
- Pre-assembled sealing washer

Technical Data

Drive	Hexagon AF 3/8"
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WWW.AUSSCHREIBEN.DE



EJOT® Solar Fastening System

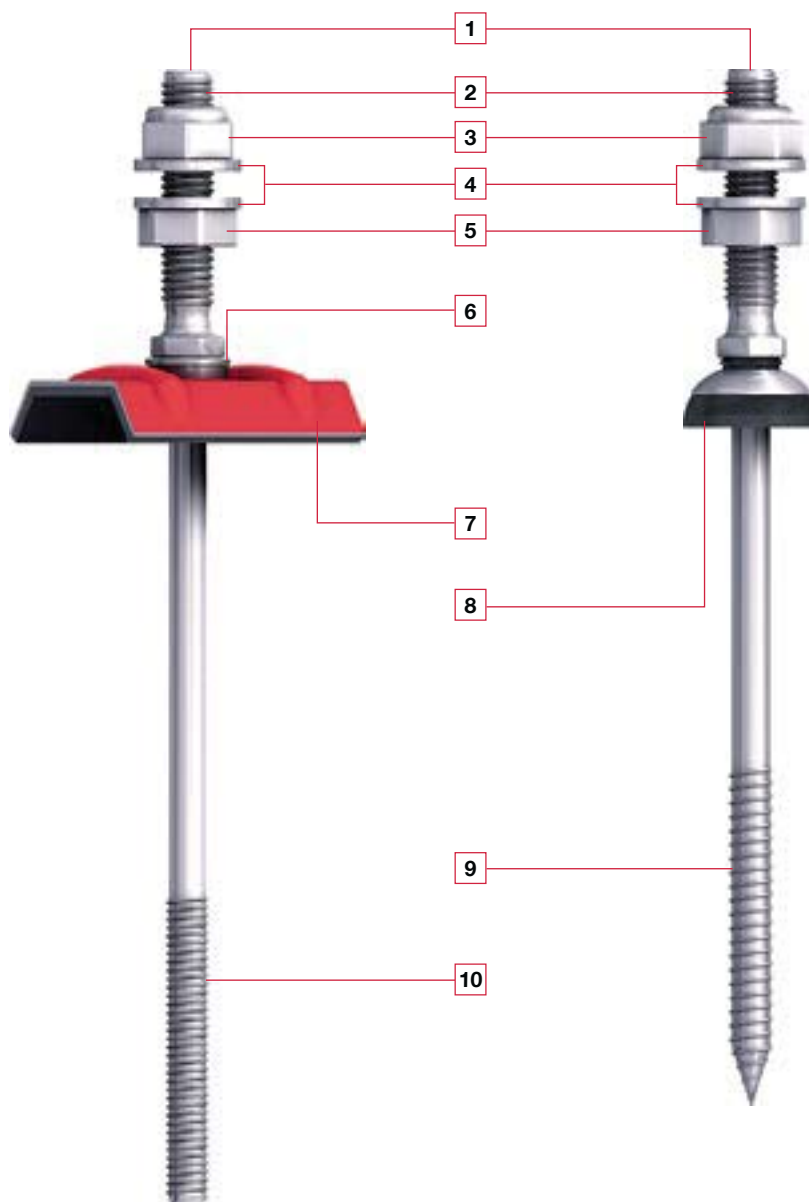
The Solar Fastening System was the first stainless steel fastening element, building authorities approved by the DIBT (German Institute for Construction), to fix photovoltaic installations to trapezoidal steel profiles and sandwich panel roofs.

Advantages:

- Quick retrofitting on existing roofs
- No additional holes in the roof cladding
- Use of proven sealing systems
- No special installation tools necessary
- Extremely safe fastening with direct embedment into the substructure
- Project related pre structural assessment, free of charge

Variants

- 1 A/F5 drive
- 2 M10 x length set screw
- 3 Lock nut M10 DIN 985 (alternatively: screw nuts with locking serrations DIN 6923)
- 4 Plain washer M10 (do not use with screw nuts with locking serrations DIN 6923)
- 5 Hexagon nut M10 DIN 934 (alternatively: screw nuts with locking serrations DIN 6923)
- 6 Sealing washer E16
- 7 EJOT ORKAN Storm Washer
- 8 FZD sealing element with A2 stainless steel spreader washer
- 9 EJOT self-tapping screw JA3-8.0 x L
- 10 EJOT self-tapping screw JZ3-8.0 x L



EJOT® solar fastener JZ3-SB-8.0xL

with sealing washer E16 + EJOT® ORKAN storm washer

Ø Screw D [mm]	Length Screw L [mm]	Length Set screw Lg [mm]	PU	Price/1 [EUR]	Order description	Article number
Nut set M10 locking serrations DIN 6923						
8.0	64	50	25		Set-JZ3-SB-8.0x64/50-E16-DIN-6923	3 130 661 905
8.0	80	50	25		Set-JZ3-SB-8.0x80/50-E16-DIN-6923	3 130 861 905
8.0	100	50	25		Set-JZ3-SB-8.0x100/50-E16-DIN-6923	3 131 061 905
8.0	125	50	25		Set-JZ3-SB-8.0x125/50-E16-DIN-6923	3 131 261 905
8.0	150	50	25		Set-JZ3-SB-8.0x150/50-E16-DIN-6923	3 131 561 905
8.0	160	50	25		Set-JZ3-SB-8.0x160/50-E16-DIN-6923	3 131 661 905
8.0	200	50	25		Set-JZ3-SB-8.0x200/50-E16-DIN-6923	3 132 061 905
8.0	64	70	25		Set-JZ3-SB-8.0x64/70-E16-DIN-6923	3 130 661 907
8.0	80	70	25		Set-JZ3-SB-8.0x80/70-E16-DIN-6923	3 130 861 907
8.0	100	70	25		Set-JZ3-SB-8.0x100/70-E16-DIN-6923	3 131 061 907
8.0	125	70	25		Set-JZ3-SB-8.0x125/70-E16-DIN-6923	3 131 261 907
8.0	150	70	25		Set-JZ3-SB-8.0x150/70-E16-DIN-6923	3 131 561 907
8.0	160	70	25		Set-JZ3-SB-8.0x160/70-E16-DIN-6923	3 131 661 907
8.0	200	70	25		Set-JZ3-SB-8.0x200/70-E16-DIN-6923	3 132 061 907
Nut set M10 lock-nut DIN 934						
8.0	64	50	25		Set-JZ3-SB-8.0x64/50-E16-DIN-934	3 130 691 905
8.0	80	50	25		Set-JZ3-SB-8.0x80/50-E16-DIN-934	3 130 891 905
8.0	100	50	25		Set-JZ3-SB-8.0x100/50-E16-DIN-934	3 131 091 905
8.0	125	50	25		Set-JZ3-SB-8.0x125/50-E16-DIN-934	3 131 291 905
8.0	150	50	25		Set-JZ3-SB-8.0x150/50-E16-DIN-934	3 131 591 905
8.0	160	50	25		Set-JZ3-SB-8.0x160/50-E16-DIN-934	3 131 691 905
8.0	200	50	25		Set-JZ3-SB-8.0x200/50-E16-DIN-934	3 132 091 905
8.0	64	70	25		Set-JZ3-SB-8.0x64/70-E16-DIN-934	3 130 691 907
8.0	80	70	25		Set-JZ3-SB-8.0x80/70-E16-DIN-934	3 130 891 907
8.0	100	70	25		Set-JZ3-SB-8.0x100/70-E16-DIN-934	3 131 091 907
8.0	125	70	25		Set-JZ3-SB-8.0x125/70-E16-DIN-934	3 131 291 907
8.0	150	70	25		Set-JZ3-SB-8.0x150/70-E16-DIN-934	3 131 591 907
8.0	160	70	25		Set-JZ3-SB-8.0x160/70-E16-DIN-934	3 131 691 907
8.0	200	70	25		Set-JZ3-SB-8.0x200/70-E16-DIN-934	3 132 091 907

Application area

- For fastening elevated solar and photo-voltaic installations to steel substructures
- Suitable for metal trapezoidal and corrugated profile sheets and sandwich panels

Properties

- A2 stainless steel
- Steel substructures from 1.5 mm in wall thickness

Note

The solar fastening system components are attuned to your project. Further versions on request!



Approval
Z-14.4-532



Self-drilling
Screws

Self-tapping
Screws

Solar
Fasteners

Storm
Washers

Special
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 Approval
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EJOT® solar fastener JZ3-SB-8.0xL

with FZD sealing washer

Ø Screw D [mm]	Length Screw L [mm]	Length Set screw Lg [mm]	PU	Price/1 [EUR]	Order description	Article number
Nut set M10 locking serrations DIN 6923						
8.0	64	50	25		Set-JZ3-SB-8.0x64/50-FZD-DIN-6923	3 130 668 905
8.0	80	50	25		Set-JZ3-SB-8.0x80/50-FZD-DIN-6923	3 130 868 905
8.0	100	50	25		Set-JZ3-SB-8.0x100/50-FZD-DIN-6923	3 131 068 905
8.0	125	50	25		Set-JZ3-SB-8.0x125/50-FZD-DIN-6923	3 131 268 905
8.0	150	50	25		Set-JZ3-SB-8.0x150/50-FZD-DIN-6923	3 131 568 905
8.0	160	50	25		Set-JZ3-SB-8.0x160/50-FZD-DIN-6923	3 131 668 905
8.0	200	50	25		Set-JZ3-SB-8.0x200/50-FZD-DIN-6923	3 132 068 905
8.0	64	70	25		Set-JZ3-SB-8.0x64/70-FZD-DIN-6923	3 130 668 907
8.0	80	70	25		Set-JZ3-SB-8.0x80/70-FZD-DIN-6923	3 130 868 907
8.0	100	70	25		Set-JZ3-SB-8.0x100/70-FZD-DIN-6923	3 131 068 907
8.0	125	70	25		Set-JZ3-SB-8.0x125/70-FZD-DIN-6923	3 131 268 907
8.0	150	70	25		Set-JZ3-SB-8.0x150/70-FZD-DIN-6923	3 131 568 907
8.0	160	70	25		Set-JZ3-SB-8.0x160/70-FZD-DIN-6923	3 131 668 907
8.0	200	70	25		Set-JZ3-SB-8.0x200/70-FZD-DIN-6923	3 132 068 907
Nut set M10 lock-nut DIN 934						
8.0	64	50	25		Set-JZ3-SB-8.0x64/50-FZD-DIN-934	3 130 698 905
8.0	80	50	25		Set-JZ3-SB-8.0x80/50-FZD-DIN-934	3 130 898 905
8.0	100	50	25		Set-JZ3-SB-8.0x100/50-FZD-DIN-934	3 131 098 905
8.0	125	50	25		Set-JZ3-SB-8.0x125/50-FZD-DIN-934	3 131 298 905
8.0	150	50	25		Set-JZ3-SB-8.0x150/50-FZD-DIN-934	3 131 598 905
8.0	160	50	25		Set-JZ3-SB-8.0x160/50-FZD-DIN-934	3 131 698 905
8.0	200	50	25		Set-JZ3-SB-8.0x200/50-FZD-DIN-934	3 132 098 905
8.0	64	70	25		Set-JZ3-SB-8.0x64/70-FZD-DIN-934	3 130 698 907
8.0	80	70	25		Set-JZ3-SB-8.0x80/70-FZD-DIN-934	3 130 898 907
8.0	100	70	25		Set-JZ3-SB-8.0x100/70-FZD-DIN-934	3 131 098 907
8.0	125	70	25		Set-JZ3-SB-8.0x125/70-FZD-DIN-934	3 131 298 907
8.0	150	70	25		Set-JZ3-SB-8.0x150/70-FZD-DIN-934	3 131 598 907
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8.0	200	70	25		Set-JZ3-SB-8.0x200/70-FZD-DIN-934	3 132 098 907

Application area

- For fastening elevated solar and photo-voltaic installations to steel substructures
- Suitable for corrugated fibre cement profile sheet

Properties

- A2 stainless steel
- Steel substructures from 1.5 mm in wall thickness

Note

The solar fastening system components are attuned to your project. Further versions on request!

EJOT® solar fastener JA3-SB-8.0xL

with sealing washer E16 + EJOT® ORKAN storm washer

Ø Screw D [mm]	Length Screw L [mm]	Length Set screw Lg [mm]	PU	Price/1 [EUR]	Order description	Article number
Nut set M10 locking serrations DIN 6923						
8.0	80	50	25		Set-JA3-SB-8.0x80/50-E16-DIN-6923	3 150 861 905
8.0	100	50	25		Set-JA3-SB-8.0x100/50-E16-DIN-6923	3 151 061 905
8.0	130	50	25		Set-JA3-SB-8.0x130/50-E16-DIN-6923	3 151 361 905
8.0	150	50	25		Set-JA3-SB-8.0x150/50-E16-DIN-6923	3 151 561 905
8.0	180	50	25		Set-JA3-SB-8.0x180/50-E16-DIN-6923	3 151 861 905
8.0	200	50	25		Set-JA3-SB-8.0x200/50-E16-DIN-6923	3 152 061 905
8.0	80	70	25		Set-JA3-SB-8.0x80/70-E16-DIN-6923	3 150 861 907
8.0	100	70	25		Set-JA3-SB-8.0x100/70-E16-DIN-6923	3 151 061 907
8.0	130	70	25		Set-JA3-SB-8.0x130/70-E16-DIN-6923	3 151 361 907
8.0	150	70	25		Set-JA3-SB-8.0x150/70-E16-DIN-6923	3 151 561 907
8.0	180	70	25		Set-JA3-SB-8.0x180/70-E16-DIN-6923	3 151 861 907
8.0	200	70	25		Set-JA3-SB-8.0x200/70-E16-DIN-6923	3 152 061 907
Nut set M10 lock-nut DIN 934						
8.0	80	50	25		Set-JA3-SB-8.0x80/50-E16-DIN-934	3 150 891 905
8.0	100	50	25		Set-JA3-SB-8.0x100/50-E16-DIN-934	3 151 091 905
8.0	130	50	25		Set-JA3-SB-8.0x130/50-E16-DIN-934	3 151 391 905
8.0	150	50	25		Set-JA3-SB-8.0x150/50-E16-DIN-934	3 151 591 905
8.0	180	50	25		Set-JA3-SB-8.0x180/50-E16-DIN-934	3 151 891 905
8.0	200	50	25		Set-JA3-SB-8.0x200/50-E16-DIN-934	3 152 091 905
8.0	80	70	25		Set-JA3-SB-8.0x80/70-E16-DIN-934	3 150 891 907
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8.0	200	70	25		Set-JA3-SB-8.0x200/70-E16-DIN-934	3 152 091 907

Application area

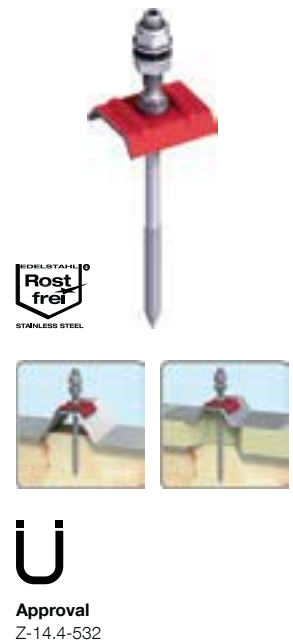
- For fastening elevated solar and photo-voltaic installations to timber substructures
- Suitable for metal trapezoidal and corrugated profile sheets and sandwich panels

Properties

- A2 stainless steel

Note

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U
Approval
Z-14.4-532

EJOT® solar fastener JA3-SB-8.0xL

with FZD sealing washer

Ø Screw D [mm]	Length Screw L [mm]	Length Set screw Lg [mm]	PU	Price/1 [EUR]	Order description	Article number
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8.0	80	50	25		Set-JA3-SB-8.0x80/50-FZD-DIN-6923	3 150 868 905
8.0	100	50	25		Set-JA3-SB-8.0x100/50-FZD-DIN-6923	3 151 068 905
8.0	130	50	25		Set-JA3-SB-8.0x130/50-FZD-DIN-6923	3 151 368 905
8.0	150	50	25		Set-JA3-SB-8.0x150/50-FZD-DIN-6923	3 151 568 905
8.0	180	50	25		Set-JA3-SB-8.0x180/50-FZD-DIN-6923	3 151 868 905
8.0	200	50	25		Set-JA3-SB-8.0x200/50-FZD-DIN-6923	3 152 068 905
8.0	80	70	25		Set-JA3-SB-8.0x80/70-FZD-DIN-6923	3 150 868 907
8.0	100	70	25		Set-JA3-SB-8.0x100/70-FZD-DIN-6923	3 151 068 907
8.0	130	70	25		Set-JA3-SB-8.0x130/70-FZD-DIN-6923	3 151 361 907
8.0	150	70	25		Set-JA3-SB-8.0x150/70-FZD-DIN-6923	3 151 568 907
8.0	180	70	25		Set-JA3-SB-8.0x180/70-FZD-DIN-6923	3 151 868 907
8.0	200	70	25		Set-JA3-SB-8.0x200/70-FZD-DIN-6923	3 152 068 907
Nut set M10 lock-nut DIN 934						
8.0	80	50	25		Set-JA3-SB-8.0x80/50-FZD-DIN-934	3 150 898 905
8.0	100	50	25		Set-JA3-SB-8.0x100/50-FZD-DIN-934	3 151 098 905
8.0	130	50	25		Set-JA3-SB-8.0x130/50-FZD-DIN-934	3 151 398 905
8.0	150	50	25		Set-JA3-SB-8.0x150/50-FZD-DIN-934	3 151 598 905
8.0	180	50	25		Set-JA3-SB-8.0x180/50-FZD-DIN-934	3 151 898 905
8.0	200	50	25		Set-JA3-SB-8.0x200/50-FZD-DIN-934	3 152 098 905
8.0	80	70	25		Set-JA3-SB-8.0x80/70-FZD-DIN-934	3 150 898 907
8.0	100	70	25		Set-JA3-SB-8.0x100/70-FZD-DIN-934	3 151 098 907
8.0	130	70	25		Set-JA3-SB-8.0x130/70-FZD-DIN-934	3 151 398 907
8.0	150	70	25		Set-JA3-SB-8.0x150/70-FZD-DIN-934	3 151 598 907
8.0	180	70	25		Set-JA3-SB-8.0x180/70-FZD-DIN-934	3 151 898 907
8.0	200	70	25		Set-JA3-SB-8.0x200/70-FZD-DIN-934	3 152 098 907

Application area

- For fastening elevated solar and photovoltaic installations to timber substructures
- Suitable for corrugated fibre cement profile sheet

Note

The solar fastening system components are attuned to your project. Further versions on request!

Properties

- A2 stainless steel



EJOT® Flat Roof Solar Fastening System: for maximum safety

The simple and reliable solution to set up additional installations on your flat roof.

Application area

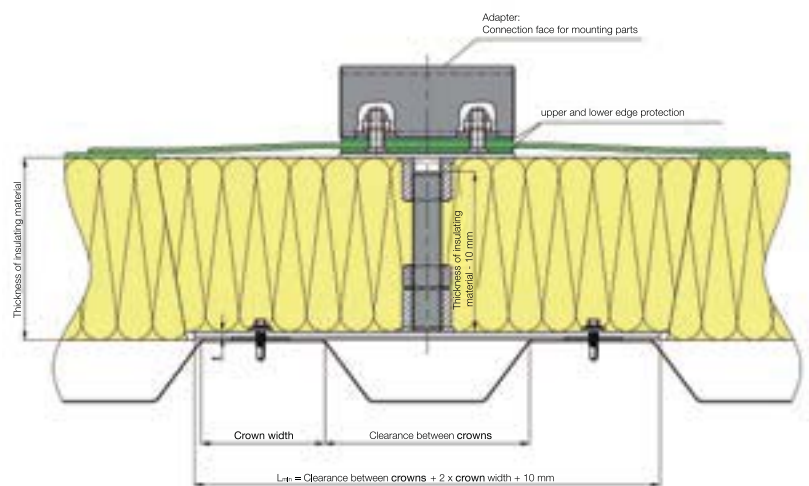
Basic system to set up the installation of attachments to flat roofs, e.g. fixing:

- mounting systems for solar and photovoltaic installations
- catwalks for assembly and maintenance
- air conditioning units, switch boxes, etc.
- Suitable for foil systems, bitumen systems, all common insulating materials



Advantages:

- Load application directly to the stable, load-bearing section
- No additional pressure load on the roof membrane and the thermal insulation
- Ideal alignment of the uprights for solar installations
- Easy compensation for unevenness and small differences in height, e.g. adjustment of mounting systems for solar installations
- Suitable for retrofitting
- Simple, fast and clean installation
- Secure sealing of the roof membrane and diffusion layer
- No corrosion of the stainless steel and aluminium material



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Installation
Technology

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Tools

Accessories





NEW



Clip in the proper position:

"EJOT" mark on the upperside of the clip for clear recognisability of the proper position

EJOT® mat clip PV

Width [mm]	Clamping range [mm]	PU	Price/100 [EUR]	Order description	Article number
25	5 - 8	500		Mat clip PV-6	3 100 000 950
25	10 - 13	500		Mat clip PV-12	3 100 000 960

Application area

- Secure fastening of protective mats to mounting profiles on flat roofs

Properties

- Not affected by outdoor exposure and environmental influences – A2 stainless steel
- Uncritical contact with roofing membrane and protective mats
- Slides easily on the roofing membrane during movements (e.g. linear expansion of the profiles)
- Safe grip on the mounting body
- Fish hook effect: The more the clip is loaded, the more aggressive the hooks grip the protective mat
- Extra smooth reverse side, to prevent any indentations and impressions in the roofing membrane

Advantages:

- Very easy to slide on
- Universal installation options
- Excellent gripping properties
- Easy subsequent installation for renovations

Important notes

- The roofing membrane may not be older than three years, when installing the protective mat,
- observance of the sensible thermal separation of the profiles,
- because the protective mat clip only fixes the mat to the profile, a slipping of the installation cannot be eliminated and the installation has to be checked regularly,
- using a protective mat clip does not relieve the technician from the obligation to exercise due care and
- the roofing membrane has to be clean, all foreign particles have to be removed before installation.



Installation option 1 – Profile on flush protective mat:

Slide the clip onto the protective mat and installation profile until end stop

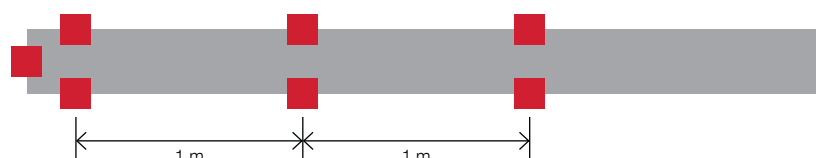


Installation option 2 – Profile on overlapping protective mat:

Slide the clip onto the overlapping protective mat until end stop, fixing of the installation profile by clamping the clip lug

Clip calculation

1 clip on the front, on both sides 1 clip each per running meter
--> ca. 10 clip/kW





EJOT® Solar Flashing for bitumen shingle roofs

The EJOT Solar Flashing was specifically developed for the USA to fasten PV units to three layer bitumen shingle roofs. With this system the PV units can be securely fastened to new and to existing roofs.

- Easy and fast installation
- Only two components – the fastener and the "flashing"
- Reliable waterproofing– in three different layers
- No additional sealing material necessary
- Ideal preparation of the installation site with the EJOT click+drill tool
- Safe transmission of all occurring forces into the rafters
- Easy calculation of the load effect and the recommended number of fasteners
- Installation also possible in between the shingles



Product solution mainly for the North-American market

EJOT® Solar Flashing for bitumen shingle roofs



Self-drilling
Screws

Self-tapping
Screws

Solar
Fasteners

Storm
Washers

Special
Screws

Rivets

Direct
Fastening

Scaffolding
Anchors

Deklite®
Flashings

Self-drilling
Roof Screws
Dabo®

Stress Plates /
Flat Roofing Tube
Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
Technology

Installation
Tools

Accessories





Approval
Z-14.4-645

Roof hooks for solar installation systems

PU	Price/1 [EUR]	Order description	Article number
5		Roof hooks for solar installation systems	3 100 000 930

Application area

- Solar installation system for pitched roofs
- For vertical rail fixing on pantiled roofs

Properties

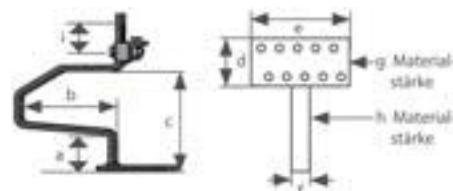
- A2 stainless steel
- Welded construction
- Symmetrical rib arrangement
- Adjustable in height to compensate for uneven roofs
- Can be combined with all standard fixing rails
- Clamp joint for attachment of the fixing profiles

Advantages:

- Minimal assembly time
- Comfortable installation from the top

Note

End clip and flat head screws for installation on request.



Dimensioning [mm]							
a	b	c	d	e	f	g	h
45	110	125	60	150	35	5	6



EJOT® ORKAN storm washers

For crown fixing we recommend fastening with EJOT® ORKAN storm washers for increased installation safety, high form stability and optimum load transmission.



Application example

Fastening trapezoidal profile to steel purlin ≥ 10 mm on the crown

- ORKAN storm washer
- Self-tapping screw JZ3-6.3xL
- Sealing washer E16

Requirements

EJOT® ORKAN storm washers have to fulfil multiple requirements.

They utilise a consistent load distribution of the crown fixing of a trapezoidal profiled sheet or sandwich panel construction. The pronounced reinforcement flanges of the EJOT® storm washers are a guarantee for high dimensional stability and consistent load transmission.

As a so-called second insulation level the EJOT® storm washer permanently buffers the fixed size between upper substructure edge and screw head. The sheet metal crown is often slightly convex or concave. In order to compensate these tolerances a soft closed-cell rubber is ideal. No bridging arises where moisture can enter up to the fastener shank and thus the inside of the building.

The permanent compression required for the lasting watertightness of this cellular rubber is minimal and the deformation of a thin-walled trapezoidal profiled sheet can be prevented during installation.

Installation reliability

An EJOT® ORKAN storm washer also guarantees installation reliability. The installer always hits the middle of the crown after applying the storm washer which prevents scratching of the surface.

The EJOT® ORKAN storm washer enables an increased clamping force on the component, without plastic deformation. The increased load due to the use of EJOT® storm washers is documented in various building authorities test certificates (type statistics) for trapezoidal aluminium profiles.

Application Range

- Crown fixing of trapezoidal and sinusoidal profile sheets and sandwich panels

Advantages:

- Increased installation reliability
- High dimensional stability
- Optimum load transmission

Properties

- Optimised reinforcement flanges ensure high installation safety
- Secure waterproofing
- Aluminium alloy mill finish, coloured or stucco
- In combination with EJOT® self-drilling and self-tapping screws a sophisticated fastening system
- Patented Europe-wide

Note

Only use screws with 16mm washer diameter. For determination of the clamp thickness please take the storm washer into account with 3 mm.

Cross reference	page
Self-drilling screw JT3-2-6.5	60
Self-drilling screw JT3-6-5.5	63
Self-drilling screw JT3-12-5.5	65
Self-tapping screw JA3-6.5	83
Self-tapping screw JZ3-6.3	84
Self-tapping screw JZ7-6.3	86

Storm Washers

Trapezoidal and sinusoidal profile

EJOT®

EJOT® trapezoidal ORKAN storm washers

Alu mill finish

Storm washer width [mm]	Angle of leg [°]	Crown width [mm]	PU	Price/100 [EUR]	Order description	Article number
20	34	19	500		ORKAN storm washer 20-34 Alu****	-
21	16	20	500		ORKAN storm washer 21-16 Alu****	-
21	25	20	500		ORKAN storm washer 21-25 Alu****	-
23	33	22	500		ORKAN storm washer 23-33 Alu****	-
26	15	25	500		ORKAN storm washer 26-15 Alu****	-
26	27	25	500		ORKAN storm washer 26-27 Alu****	-
26	34	25	500		ORKAN storm washer 26-34 Alu****	-
26	50	25	500		ORKAN storm washer 26-50 Alu****	-
31	31	30	500		ORKAN storm washer 31-31 Alu****	-
31	37	30	500		ORKAN storm washer 31-37 Alu****	-
32	25	31	500		ORKAN storm washer 32-25 Alu****	-
34	50	33	500		ORKAN storm washer 34-50 Alu****	-
35	23	34	500		ORKAN storm washer 35-23 Alu****	-
35	47	34	500		ORKAN storm washer 35-47 Alu****	-
36	40	35	500		ORKAN storm washer 36-40 Alu****	-
41	16	40	500		ORKAN storm washer 41-16 Alu****	-
41	32	40	500		ORKAN storm washer 41-32 Alu****	-
41	39	40	500		ORKAN storm washer 41-39 Alu****	-
41	50	40	500		ORKAN storm washer 41-50 Alu****	-
53	36	52	400		ORKAN storm washer 53-36 Alu****	-
55	32	54	400		ORKAN storm washer 55-32 Alu****	-

****add four-digit RAL number code

EJOT® sinusoidal ORKAN storm washer

Alu mill finish

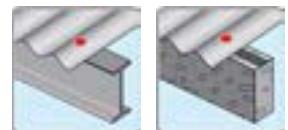
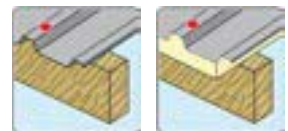
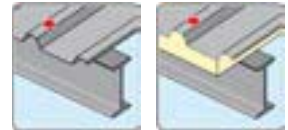
Radius [mm]	for sinusoidal profiles	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
24	18/76	50	500		ORKAN storm washers W24 Alu****	-
30	27/111	50	500		ORKAN storm washers W30 Alu****	-
48	42/160 + 55/177	50	500		ORKAN storm washers W48 Alu****	-

****add four-digit RAL number code

Standard colours

With four-digit RAL number code. Further colours upon request.

1015	2001	3000	3003	3009	3016	5010	6003	6005
6009	6011	6020	7016	7022	7032	7035	8004	8011
8012	8014	8016	8024	9002	9006	9007	9010	



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Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
Technology

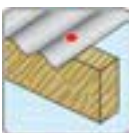
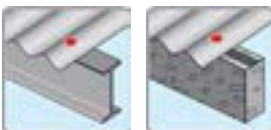
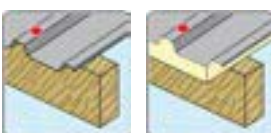
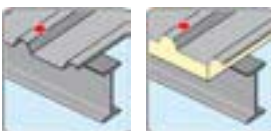
Installation
Tools

Accessories



Storm Washers

Trapezoidal and sinusoidal profile



EJOT® trapezoidal ORKAN storm washers

mill finish

Storm washer width [mm]	Angle of leg [°]	Crown width [mm]	PU	Price/100 [EUR]	Order description	Article number
20	34	19	500		Storm washers 20-34 mill finish	3 046 700 110
21	16	20	500		Storm washers 21-16 mill finish	3 046 600 110
21	25	20	500		Storm washers 21-25 mill finish	3 052 125 000
23	33	22	500		Storm washers 23-33 mill finish	3 052 333 000
26	15	25	500		Storm washers 26-15 mill finish	3 046 900 110
26	27	25	500		Storm washers 26-27 mill finish	3 047 000 110
26	34	25	500		Storm washers 26-34 mill finish	3 052 634 000
26	50	25	500		Storm washers 26-50 mill finish	3 052 650 000
31	31	30	500		Storm washers 31-31 mill finish	3 053 132 000
31	37	30	500		Storm washers 31-37 mill finish	3 045 900 110
32	25	31	500		Storm washers 32-25 mill finish	3 053 124 000
34	50	33	500		Storm washers 34-50 mill finish	3 053 450 000
35	23	34	500		Storm washers 35-23 mill finish	3 046 100 110
35	47	34	500		Storm washers 35-47 mill finish	3 053 547 000
36	40	35	500		Storm washers 36-40 mill finish	3 053 538 000
41	16	40	500		Storm washers 41-16 mill finish	3 046 200 110
41	32	40	500		Storm washers 41-32 mill finish	3 049 200 110
41	39	40	500		Storm washers 41-39 mill finish	3 054 139 000
41	50	40	500		Storm washers 41-50 mill finish	3 054 150 000
53	36	52	400		Storm washer 53-36 mill finish*	3 055 336 000
55	32	54	400		Storm washers 55-32 mill finish	3 049 500 110

** also available with eccentric hole (for trapezoidal profiles with stiffening corrugations in the crown)

EJOT® sinusoidal ORKAN storm washer

mill finish

Radius [mm]	for sinusoidal profiles	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
24	18/76	50	500		Storm washer W24 mill finish	3 047 700 110
30	27/111	50	500		Storm washer W30 mill finish	3 050 030 000
48	42/160 + 55/177	50	500		Storm washer W48 mill finish	3 047 400 110

Storm Washers

Trapezoidal and sinusoidal profile

EJOT®

EJOT® trapezoidal ORKAN storm washers

Alu-stucco

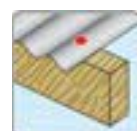
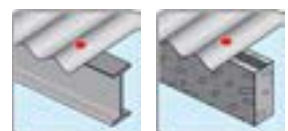
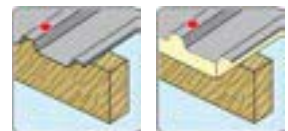
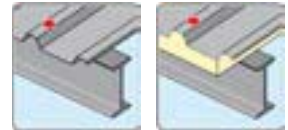
Storm washer width [mm]	Angle of leg [°]	Crown width [mm]	PU	Price/100 [EUR]	Order description	Article number
20	34	19	500		ORKAN storm washer 20-34 alu stucco	3 046 700 119
21	16	20	500		ORKAN storm washer 21-16 alu stucco	3 046 600 119
21	25	20	500		ORKAN storm washer 21-25 alu stucco	-
23	33	22	500		ORKAN storm washer 23-33 alu stucco	3 062 333 000
26	15	25	500		ORKAN storm washer 26-15 alu stucco	3 046 900 119
26	27	25	500		ORKAN storm washer 26-27 alu stucco	3 047 000 119
26	34	25	500		ORKAN storm washer 26-34 alu stucco	3 062 634 000
26	50	25	500		ORKAN storm washer 26-50 alu stucco	-
31	31	30	500		ORKAN storm washer 31-31 alu stucco	-
31	37	30	500		ORKAN storm washer 31-37 alu stucco	3 045 900 119
32	25	31	500		ORKAN storm washer 32-25 alu stucco	-
34	50	33	500		ORKAN storm washer 34-50 alu stucco	-
35	23	34	500		ORKAN storm washer 35-23 alu stucco	3 046 100 119
35	47	34	500		ORKAN storm washer 35-47 alu stucco	
36	40	35	500		ORKAN storm washer 36-40 alu stucco	3 063 640 000
41	16	40	500		ORKAN storm washer 41-16 alu stucco	3 046 200 119
41	32	40	500		ORKAN storm washer 41-32 alu stucco	3 049 200 119
41	39	40	500		ORKAN storm washer 41-39 alu stucco	-
41	50	40	500		ORKAN storm washer 41-50 alu stucco	-
53	36	52	400		Storm washer 53-36 alu stucco*	3 085 336 000
55	32	54	400		ORKAN storm washer 55-32 alu stucco	3 049 500 119

** also available with eccentric hole (for trapezoidal profiles with stiffening corrugations in the crown)

EJOT® sinusoidal ORKAN storm washer

Alu-stucco

Radius [mm]	for sinusoidal profiles	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
24	18/76	50	500		Storm washer W24 Alu stucco	3 047 700 119
30	27/111	50	500		Storm washer W30 Alu stucco	3 060 030 000
48	42/160 + 55/177	50	500		Storm washer W48 Alu stucco	3 060 048 000



Self-drilling
Screws

Self-tapping
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Dekite®
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Roof Screws
Dabo®

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Flat Roofing Tube
Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
Technology

Installation
Tools

Accessories



Storm Washers – Selection Guide

This list is not exhaustive. Not listed profiles upon request!

Selection guide

Our application engineering will gladly assist you in selecting the right choice of storm washer.

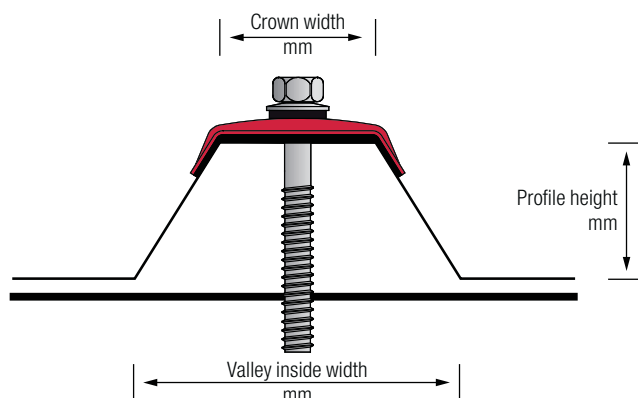
We only need the following three values:

- crown width [mm]
- profile height [mm]
- Valley inside width [mm]

Fax reply

Please fax the three values to the following fax number:

Fax: +49 2752 908-731



Manufacturer	Profile description	Storm washer
Alubel	alubel 28	41 - 32
	alubel 21	26 - 34
	alubel 40	41 - 32
	alubel 44	31 - 31
	Alutech Dach	26 - 27
Aluform	Aluform 20/125	41 - 32
	Aluform 29/124	20 - 34
	Aluform 30/153	26 - 34
	Aluform 40/167	35 - 23
	Aluform 42/250	31 - 31
	Aluform 45/150	26 - 27
	Aluform 45/200	41 - 24
	Alutherm DT 900	26 - 27
	Alutherm DT 1000	31 - 31
	Sinusoidal Profile 18/76	W 24
	Sinusoidal Profile 35/137	W 43
	Sinusoidal Profile 55/177	W 48
Arcelor	A 35/207	35 - 47
	AL 34/207	41 - 39
	B 35/207	41 - 16
	39/333 T	26 - 27
	AL 40/183	41 - 16
	A 40/183	41 - 24
	AL 42/333 S	31 - 21
	44/180	53 - 36
	AL 45/150	26 - 27
	50/262.5	46 - 43
	85/280	41 - 39
	100/275	41 - 24
	105/345	41 - 24
	106/250	41 - 16
	Ondatherm 1001 TS	26 - 27
	Ondafibre 3005 T	26 - 27
	Agratherm 1001 TS	26 - 27
	Sinusoidal Profile 18/76	W24
Balex	Balextherm-PV-R	26 - 27
Bieber	20/125	41 - 32
	30/262K	41 - 50
	35/207	41 - 32

Manufacturer	Profile description	Storm washer
Bieber	40/183/183 S	41 - 16
	50/250	41 - 39
	50/262	46 - 43
	58/315K	53 - 36
	70/200	53 - 18
	80/307	41 - 32
	89/305	41 - 32
	100/275	41 - 24
	106/250	41 - 16
	110/333	41 - 16
	135/310	41 - 24
	150/280	41 - 24
	160/250	41 - 16
	170/250	41 - 16
	Brucha	DP72/82/102/122/142/162
DP-F		26 - 34
DS Staalprofiel	DS 20/115	26 - 34
	DS 35/190	41 - 39
	DS 35/206	36 - 40
	DS Sinus 35/143	W 30
	SISCOR00F 4G	21 - 16
	SISCOTEC ROOF 4G	21 - 16
Feilmeier	EL 22/214	36 - 40
	EL 30/220	41 - 50
	EL 35/207	41 - 32
	EL 39/333/S	36 - 32
	EL 40/183	41 - 16
	EL 45/333/S	31 - 37
	EL 50/250	53 - 36
	Sinusoidal Profile EL 18/76	W24
Finish Profiles	Dakprofiel 18 - 76	W 24
	Dakprofiel 42 - 960	W 48
	Dakprofiel 20 - 1090	31 - 47
	Dakprofiel 35 - 1000	41 - 24
	Dakprofiel 40 - 915	41 - 16
	Dakprofiel 50 - 1000	55 - 32
	Dakprofiel 58 - 945 KD	53 - 36
	Dakprofiel 70R - 800	53 - 18
Fischer	35/207	41 - 32

Storm Washers – Selection Guide

This list is not exhaustive. Not listed profiles upon request!

EJOT®

Manufacturer	Profile description	Storm washer
Fischer	40/183	41 - 16
	50/250	55 - 32
	85/280	41 - 32
	100/275	41 - 24
	135/310	41 - 24
	150/280	41 - 24
	165/250	41 - 16
	Sinus 18	W 24
	Sinus 27	W 30
	Sinus 42	W 48
	DL 70; 80; 100; 120; 140; 160	41 - 32
	20/220	41 - 50
Friedrich von Lien AG Weckmann	W-20/990	26 - 34
	W-20/1100	26 - 50
	W-45R/900	41 - 24
	W-45ER/1000	31 - 43
	W-155/840	41 - 24
Hoesch Bausysteme	W-1/1064	W 24
	Hoesch Thermodach	41 - 32
	T 35.1	41 - 39
	T 40.1	41 - 16
	T 50.1	55 - 32
	T 85.1	41 - 32
	T 100.1	41 - 24
	T 106.1	41 - 16
	WP 18/76	W 24
	WP 42/160	W 48
Italpannelli	WP 27/111	W 30
	Penta 40	21 - 16
Joriside	Jl 33.250.1000	23 - 33
	Jl 45.333.1000	26 - 27
	Jl 35.207.1035	41 - 39
	Jl 40.183.915	41 - 16
	Jl 50.250.1000	55 - 32
	Jl 56.317.945	53 - 42
	Jl Roof 1000	26 - 27
	Jl Ecopaneel 1000	23 - 33
Kingspan	KS 1000 RW	32 - 25
	KS 1000 FF	23 - 33
Klinger & Partner	35.207.1035	41 - 39
	39.333.1000	26 - 34
Klöckner	KAS AL-20/125 A	41 - 32
	KAS AL-30/153 A	26 - 27
	KAS-35/207	41 - 32
	KAS AL-40/167 A	35 - 23
	KAS-40/183	41 - 16
	KAS AL-45/200 A	41 - 24
	KAS-50/250	55 - 32
	KAS-85/280	41 - 39
	KAS-89/305	41 - 32
	KAS -18/76	W 24
	KAS -42/160	W 48
	KAS -55/177	W 48
	KAS -D 65 - 115	36 - 40
	KAS -D 68	21 - 16

Manufacturer	Profile description	Storm washer
Klöckner	KAS -D 80	41 - 32
	KAS -D 62 - 142	26 - 15
Lattonedil	Isocopre	21 - 25
	Eurocinque	21 - 25
	Eurocopre	21 - 25
Laukien	35 - 207	41 - 32
	22 - 214	41 - 39
	20 - 75	26 - 34
	45 - 333 S	26 - 27
	40 - 100	31 - 31
	50 - 250	41 - 39
	18 / 76	W 24
	27 / 111	W 30
	42 / 160	W 48
	55 / 177	W 48
Lindab	LP 20	26 - 34
	LP 35	41 - 32
	LP 1100	26 - 45
	Sinus 18	W 24
Luxmetall	LM40 250 1000	26 - 27
	LM19 156 1094	26 - 45
	LM 27-111-1000	W 30
Maas	20-75	26 - 34
	22-214	41 - 39
	35-207	41 - 32
	40-100	31 - 31
	45-150	26 - 27
	45-333 S	26 - 27
	Sinusoidal profile 18/76	W24
	Sinusoidal profile 27/111	W30
	Sinusoidal profile 55/177	W48
	Isopaneel	26 - 27
Metecno	G4	21 - 16
	Hipertec Dach	21 - 16
	Hipertec Dach Sound	21 - 16
	Toproof DG	20 - 34
	SISCO	21 - 16
	SP 20	26 - 34
Montana	SP 26	41 - 24
	SP 30	41 - 50
	SP 35	41 - 32
	SP 40	41 - 16
	SP 41	41 - 24
	SP 44	31 - 22
	SP 45	41 - 32
	SP 59	35 - 23
	SP 80	41 - 16
	MTD TL 65	35 - 23
	MTD TL 85	35 - 23
	MTD TL 105	35 - 23
	MTD TL 125	35 - 23
	MTD TL 145	35 - 23
	SP 18/1064	W 24
	SP 27/1000	W 30
	SP 42/960	W 48



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Storm Washers – Selection Guide

This list is not exhaustive. Not listed profiles upon request!

Manufacturer	Profile description	Storm washer
M-Profile	KP	36 - 40
Münker	M 20/210	41 - 39
	M 35.1/207	35 - 47
	M 35/207	41 - 39
	M 40.1/183	41 - 24
	M 40/183	41 - 16
	M 40KD/333	26 - 27
	M 50/250	55 - 32
	M 85/280	41 - 39
	M 100/275	41 - 24
	M 150/280	41 - 24
	M 160/250	41 - 16
	M 40/333	26 - 34
O-Metal	20,125/8	41 - 32
	20,136/8	31 - 45
	25,280/3	41 - 16
	25,268/4	26 - 38
	30,207/5	35 - 23
	30,153/7	26 - 34
	35,207/5	41 - 39
	40,183/5	41 - 16
	40,250/4	26 - 27
	45,150/6	26 - 27
	45,333/3	26 - 27
	50,250/4	55 - 32
	50,262.5/4	46 - 43
	Sinusoidal profile 18/76	W 24
	Sinusoidal profile 55.177	W48
	Sinusoidal profile 27.111	W30
Plannja	Plannja 19	26 - 45
	Plannja 20-105	26 - 38
	Plannja 35	41 - 32
	Sinus 18	W24
	Sinus 51	W48
	Plannja 20	36 - 40
	Plannja 60	41 - 16
	Plannja 30	31 - 37
Proge	Plannja 45	41 - 39
	20/154	26 - 34
	26/143	41 - 32
	30/207	35 - 47
	30/220	41 - 50
	30 KD	41 - 50
	35/207	41 - 39
	40/183	41 - 16
	45/150	41 - 32
	45/333	32 - 25
	50/250	55 - 32
	58 KD	53 - 42
	59/225	35 - 23
Accessories	70/200	53 - 18
	80/277	41 - 16
	85/280	41 - 39
	89/305	41 - 32
	100/275	41 - 24

Manufacturer	Profile description	Storm washer
Proge	105/345	41 - 24
	106/250	41 - 16
	Sinusoidal Profile 18/76	W 24
	Sinusoidal profile 27/111	W 30
	Sinusoidal profile 42/160	W 48
	Sinusoidal Profile 55/177	W 48
Romakowski	D62; D82; D102; D122; D142	26 - 15
Sab	19(KD)/1050	26 - 50
	35R/1035	41 - 32
	40R/915	41 - 16
	50R/1000	55 - 32
	70R/800	53 - 18
	85R/1120	41 - 39
	89R/915	41 - 32
	100R/825	41 - 24
	30KD/1050	41 - 50
	45KD/1000	32 - 25
	58KD/945	53 - 36
	65-75-95-115-135	36 - 40
	D 135.1000 TL	36 - 40
Salzgitter	18 / 988	W 24
	42 / 960	W 48
	27 / 1000	W 24
	PS 35/207	41 - 32
	PS 40/183	41 - 16
	PS 50/250	55 - 32
Siegmetall	PS 85/280	41 - 39
	PS 100/275	41 - 24
	SIP D	41 - 32
	S 18/76	W 24
	S 35/207	35 - 47
Trimo	40/183	41 - 16
	40/333	26 - 27
	50/250	55 - 32
	CB 75/305	41 - 39
Wurzer Profiliertechnik	85/280	41 - 32
	100/275	41 - 16
	SNV	26 - 27
	WU 20/125	41 - 32
	WU 30/200	20 - 34
	WU 30D/207	35 - 47
	WU 30W/207	35 - 47
	WU 35/207	41 - 32
	WU 40/183	41 - 16
	WU 45/333	26 - 27
	WU 50/250	55 - 32
	WU 80/307	41 - 32
	WU 100/275	41 - 24
Accessories	WU 18/76	W 24
	WU 27/111	W 30
	WU 55/177	W 48





EJOT® Self-tapping screw BS-R-6.3

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
without sealing washer					
6.3	35	1000		BS-R-6.3x35	5663035512
6.3	45	500		BS-R-6.3x45	5663045512
6.3	100	250		BS-R-6.3x100	5663100512
6.3	120	200		BS-R-6.3x120	5663120512
6.3	140	200		BS-R-6.3x140	5663140512
6.3	160	200		BS-R-6.3x160	5663160512
6.3	180	200		BS-R-6.3x180	5663180512
6.3	200	150		BS-R-6.3x200	5663200512
6.3	220	150		BS-R-6.3x220	5663220512
6.3	240	150		BS-R-6.3x240	5663240512
V16 sealing washer, Ø 16 mm					
6.3	35	1000		BS-R-6.3x35-V16	-
6.3	45	500		BS-R-6.3x45-V16	-
6.3	100	250		BS-R-6.3x100-V16	-
6.3	120	200		BS-R-6.3x120-V16	-
6.3	140	200		BS-R-6.3x140-V16	-
6.3	160	200		BS-R-6.3x160-V16	-
6.3	180	200		BS-R-6.3x180-V16	-
6.3	200	150		BS-R-6.3x200-V16	-
6.3	220	150		BS-R-6.3x220-V16	-
6.3	240	150		BS-R-6.3x240-V16	-

Order information: Other sealing washers upon request

Application Range

- For fixing sandwich panels to concrete

Features

- Case-hardened steel
- Climadur coated – high-quality coating to improve corrosion protection (15 Kesternich cycles, DIN 50018, 1997)

Technical Data

Drive	hexagon A/F8
Embedment depth	≥ 30 mm
Hole depth	≥ 45 mm
Nominal drill diameter	5.0 mm



Cross reference page
Accessories 202



Self-drilling
Screws

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Special Screws

Self-tapping screws



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EJOT® self-tapping screw JA3-FR-4.9

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
without sealing washer					
4.9	38	500		JA3-FR-4.9x38	3 213 500 311
4.9	64	500		JA3-FR-4.9x64	3 213 800 311
Sealing washer mill finish E16, Ø 16 mm					
4.9	38	500		JA3-FR-4.9x38-E16	3 213 511 311
4.9	64	250		JA3-FR-4.9x64-E16	3 213 811 311

NOTE: Also available in RAL lacquering

Application Range

- For fixing wall flashing profiles
- For fixing roofing sheet to timber substructure

Properties

- A2 stainless steel
- Stainless steel sealing washer
- Truss head and bonded washer mill finish or coloured
- Pre-assembled sealing washer
- Thread according to DIN 7998

Technical Data

Head geometry	Truss head
Drive	Hexalobular drive T25



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Bit Torx®	198

EJOT® self-tapping screw JA3-LT-4.9

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
without sealing washer					
4.9	25	1,000		JA3-LT-4.9x25	3 233 200 312
4.9	38	1,000		JA3-LT-4.9x38	5 000 638 300
Sealing washer mill finish E14, Ø 14 mm					
4.9	25	500		JA3-LT-4.9x25-E14	3 233 209 312
4.9	38	500		JA3-LT-4.9x38-E14	3 233 409 312

NOTE: Also available in RAL lacquering

Application Range

- For fixing metal sections to timber or aluminium substructures ≤ 2mm

Properties

- A2 stainless steel
- Stainless steel sealing washer
- Pan head and sealing washer mill finish or coloured
- Pre-assembled sealing washer

Technical Data

Head geometry	Pan head
Drive	Hexalobular drive T20

Special Screws

Self-tapping screws

EJOT® self-tapping screw JA3-S-6.5

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
6.5	35	500		JA3-S-6.5x35	3 029 800 311
6.5	95	200		JA3-S-6.5x95	3 029 300 311

Application Range

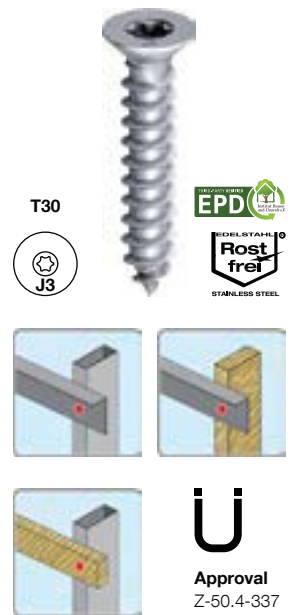
- For fixing metal sections to timber, aluminium substructures ≤ 3 mm or steel substructure ≤ 2 mm
- For fixing treads, platform and balcony slabs to timber or aluminium substructures

Properties

- A2 stainless steel

Technical Data

Head geometry	Countersunk head
Drive	Hexalobular drive T30



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EJOT® self-tapping screw JB3-ZT-6.3

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
without sealing washer					
6.3	25	500		JB3-ZT-6.3x25	3 020 100 311
Sealing washer E14, Ø 14 mm					
6.3	25	500		JB3-ZT-6.3x25-E14	3 120 183 311

Application Range

- Fastening to steel substructures with limited accessibility

Properties

- A2 stainless steel
- Stainless steel sealing washer
- Pre-assembled sealing washer

Technical Data

Head geometry	Cylinder head
Drive	Hexalobular drive T30



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 Metal screwdriver SCS 6.3 189

EJOT® repair screw JB3-7.2

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E16, Ø 16 mm					
7.2	19	500		JB3-7.2x19-E16	3 189 111 311
Sealing washer E22, Ø 22 mm					
7.2	19	500		JB3-7.2x19-E22	3 189 113 311
7.2	25	500		JB3-7.2x25-E22	3 189 213 311

Application Range

- For covering faulty drill holes

Properties

- A2 stainless steel
- Stainless steel sealing washer
- Pre-assembled sealing washer

Technical Data

Head geometry	Hexagon head
Drive	Hexagon AF 3/8"



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 Z-50.4-337

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 Metal screwdriver SCS 6.3 189
 Bit Torx® 198

EJOT® self-tapping screw JZ3-S-6.3

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
6.3	19	1,000		JZ3-S-6.3x19	3 029 400 311
6.3	25	500		JZ3-S-6.3x25	3 029 500 311
6.3	35	500		JZ3-S-6.3x35	3 121 700 301
6.3	64	250		JZ3-S-6.3x64	3 029 600 311
6.3	90	200		JZ3-S-6.3x90	3 029 700 311

Application Range

- For fixing metal sections, timber, treads, platforms and balcony slabs to steel or aluminium substructures

Properties

- A2 stainless steel

Technical Data

Head geometry	Countersunk head
Drive	Hexalobular drive T30

Special Screws

Self-tapping screws

EJOT® self-tapping screw JZ3-ZT-6.3

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
without sealing washer					
6.3	19	500		JZ3-ZT-6.3x19	3 027 100 311
Sealing washer E14, Ø 14 mm					
6.3	19	500		JZ3-ZT-6.3x19-E14	3 127 183 311

Application Range

- For fixing metal sections and facade panels to steel or aluminium substructures

Properties

- A2 stainless steel
- Stainless steel sealing washer
- Pre-assembled sealing washer

Technical Data

Head geometry	Cylinder head
Drive	Hexalobular drive T30

EJOT®



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EJOT® self-tapping screw JZ3-8.0

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
Sealing washer E22, Ø 22 mm					
8.0	25	250		JZ3-8x25-E22	3 131 253 311
8.0	32	250		JZ3-8x32-E22	3 131 353 311
8.0	38	250		JZ3-8x38-E22	3 131 453 311
8.0	64	150		JZ3-8x64-E22	3 131 853 311
8.0	100	100		JZ3-8x100-E22	3 132 253 311
8.0	125	100		JZ3-8x125-E22	3 132 453 311
8.0	150	100		JZ3-8x150-E22	3 131 553 311
8.0	200	50		JZ3-8x200-E22	3 132 853 311

Application Range

- For fixing profiled steel sheet to steel substructures under high static stress
- For fixing profiled steel and aluminium sheet to aluminium substructure

Properties

- A2 stainless steel
- Stainless steel sealing washer
- Pre-assembled sealing washer

Technical Data

Head geometry	Hexagon head
Drive	Hexagon A/F13



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Electric riveting tools..... 180

EJOT® blind rivet AL/E-4.8

Ø [mm]	Length [mm]	Drill hole Ø [mm]	Clamping range [mm]	PU	Price/100 [EUR]	Order description	Article number
4.0	10.0	4.1	0.5 - 6.5	1,000		Blind rivet AL/E-4.0x10.0*	9 351 115 000
4.8	10.0	5.1	0.5 - 6.5	1,000		Blind rivet AL/E-4.8x10.0	9 351 121 000
4.8	16.0	5.1	4.5 - 11.0	1,000		Blind rivet AL/E-4.8x16.0	9 351 124 000
4.8	25.0	5.1	16.0 - 19.0	1,000		Blind rivet AL/E-4.8x25.0	9 351 130 000

*no approval

Application Range

- For side lap stitching of profiled sheet

Properties

- Rivet body made of aluminium (Al)
- Mandrel made of stainless steel (E)
- Captive locked



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Electric riveting tools..... 180

EJOT® blind rivet K14-AL/E

Ø [mm]	Length [mm]	Drill hole Ø [mm]	Clamping range [mm]	PU	Price/100 [EUR]	Order description	Article number
5.0	8.0	5.1	2.0 - 3.5	1,000		Blind rivet K14-AL/E-5.0x8.0	9 350 201 000
5.0	10.0	5.1	3.5 - 5.0	1,000		Blind rivet K14-AL/E-5.0x10.0	9 350 202 000
5.0	12.0	5.1	5.0 - 7.0	1,000		Blind rivet K14-AL/E-5.0x12.0	9 350 203 000
5.0	14.0	5.1	7.0 - 9.0	1,000		Blind rivet K14-AL/E-5.0x14.0	9 350 213 000
5.0	16.0	5.1	9.0 - 11.0	1,000		Blind rivet K14-AL/E-5.0x16.0	9 350 239 000
5.0	18.0	5.1	10.0 - 13.0	1,000		Blind rivet K14-AL/E-5.0x18.0	9 350 207 000

Application Range

- For fastening to steel and aluminium sub-structures
- To form floating points on aluminium sub-structures

Properties

- Rivet body made of aluminium (Al)
- Mandrel made of stainless steel (E)
- Captive locked



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EJOT® closed-end rivet AL/E-4.8

Ø [mm]	Length [mm]	Drill hole Ø [mm]	Clamping range [mm]	PU	Price/100 [EUR]	Order description	Article number
4.8	8.3	4.9	0.5 - 3.2	1,000		Closed-end rivet AL/E-4.8x8.3	9 350 102 001
4.8	10.0	4.9	3.2 - 4.8	1,000		Closed-end rivet AL/E-4.8x10	9 350 108 001
4.8	11.5	4.9	4.8 - 6.4	1,000		Closed-end rivet AL/E-4.8x11.5	9 350 103 001
4.8	13.0	4.9	6.4 - 7.9	1,000		Closed-end rivet AL/E-4.8x13.0	9 350 106 001
4.8	14.5	4.9	7.9 - 9.5	1,000		Closed-end rivet AL/E-4.8x14.5	9 350 109 001
4.8	18.0	4.9	9.5 - 12.7	1,000		Closed end rivet AL/E-4.8x18.0	9 350 110 001
4.8	22.0	4.9	12.7 - 15.9	1,000		Closed-end rivet AL/E-4.8x22.0	9 350 107 001

Application Range

- For side lap stitching of profiled sheet

Properties

- Rivet body made of aluminium (Al)
- Mandrel made of stainless steel (E)
- Captive locked

EJOT® bulbtite rivet

Ø [mm]	Length [mm]	Drill hole Ø [mm]	Clamping range [mm]	PU	Price/100 [EUR]	Order description	Article number
5.2	17.5	5.4	1.3 - 4.8	1,000		Bulbtite rivet -5.2x17.5	9 350 234 000
5.2	19.1	5.4	1.6 - 6.4	1,000		Bulbtite rivet -5.2x19.1	9 350 204 001
5.2	22.2	5.4	4.8 - 9.5	1,000		Bulbtite rivet -5.2x22.2	9 350 230 000
5.2	25.4	5.4	7.9 - 12.7	500		Bulbtite rivet -5.2x25.4	9 350 231 000
5.2	28.6	5.4	11.1 - 15.9	500		Bulbtite rivet -5.2x28.6	9 350 233 000
5.2	31.8	5.4	14.2 - 19.1	500		Bulbtite rivet -5.2x31.8	9 350 232 000

Application Range

- For side lap stitching of metal and profiled plastic sheets

Properties

- Body made of aluminium (Al) with neoprene seal ring
- Mandrel made of aluminium (Al)
- Captive locked



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Z-14.1-4
Z-14.1-537

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Electric riveting tools..... 180

EJOT® clamping screw RLS 25

Ø [mm]	Length [mm]	Drill hole Ø [mm]	PU	Price/100 [EUR]	Order description	Article number
8.0	25.0	10.0	500		RLS-25-8.0x25-E19	3 110 000 139

Application Range

- For side lap stitching of profiled plastic sheets
- Fastening of profiled plastic sheets with other components, which don't require a load-carrying capacity verification, where variable shear forces due to temperature expansion can be expected.

Note

Seal testing is recommended.

Technical Data

Self-tapping screw	M5
Tightening torque	1.5 Nm
Drive	Hexagon A/F8

Properties

- A2 stainless steel screw
- Stainless steel sealing washer
- Pre-assembled sealing washer
- EPDM sealing sleeve with brass thread insert

NEW



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Metal screwdriver SCS 6.3 189
EJOT® VACUtest 201



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Shot firing tool P 560

Order description:	PU	Price/1 [EUR]	Article number
Shot firing tool P 560	1		9 600 013 891

Accessories

Order description	PU	Price/1 [EUR]	Article number
Barrel	1		9 600 014 139
Thrust piston	1		9 600 014 137
Compressed ring	1		9 600 014 136
Cleaning set	1		9 600 074 000
Spray oil can 35 ml	1		9 600 310 080
Protective goggles	1		9 600 011 117

Application Range

- Fastening profiled steel sheet to steel substrate ≥ 6 mm
- For fastening cassettes to steel columns ≥ 6 mm

Advantages:

- Fast installation sequence through automated repetition
- Compact and lightweight design
- Quick release fastening system
- Easy cleaning
- Stability system for secure storage

Properties

- Automatic bolt, cartridge and piston feed
- With tie pin magazine

Technical Data

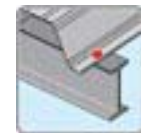
Weight incl. magazine	4.23 kg
Setting energy	520 J
Magazine	10 tie pins/10 cartridges
Cartridges	6.3/16 (black,red,blue)
Dimensions H x L x W	277 x 363 x 77 mm

Cartridges 6.3/16

Order description	PU	Price/100 [EUR]	Article number
Blue cartridge: strong	1,000		9 600 003 123
Red cartridge: very strong	1,000		9 600 003 122
Black cartridge: strongest	1,000		9 600 003 121

Tie pin HSBR 14

Order description	Collator capacity; [pcs.]	PU	Price/100 [EUR]	Article number
Tie pin HSBR 14	10	1,000		9 600 053 953



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Z-14.1-4



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ETA-08/0040

Included in delivery

- 1 shot firing tool
- 1 oil spray 35 ml
- 1 protective goggles
- 1 cleaning set
- 1 operating manual
- 1 transport box





EJOT® scaffolding anchors

EJOT® scaffolding anchors facilitate tensile strength and pressure-proof joints. They are suitable to anchor scaffolding in the industrial lightweight construction.

Properties

- GT scaffolding anchors and GU threaded sleeves made of stainless steel
- Ring bolt forged steel, zinc-plated and stainless steel (similar to DIN 582)

Advantages:

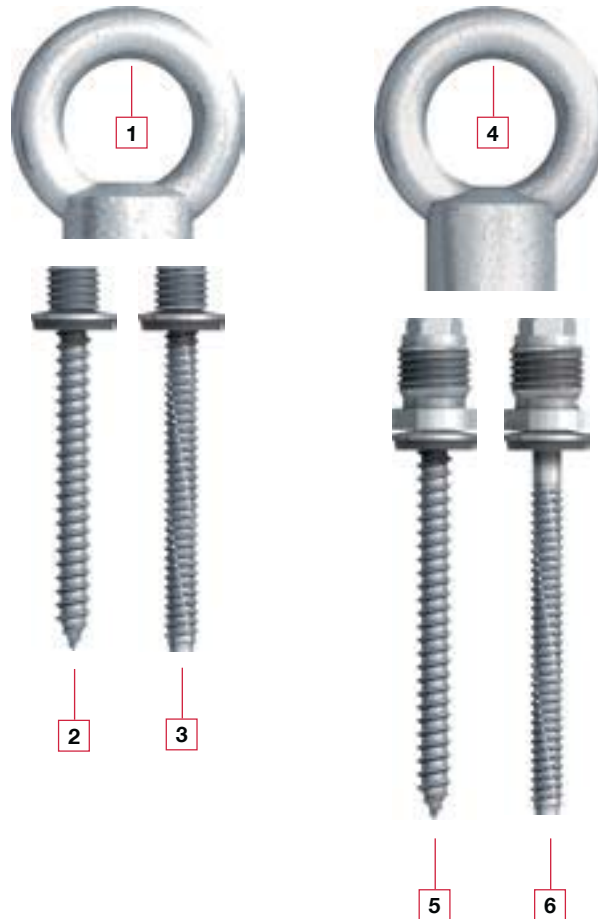
- For use in steel substructure (Typ JZ 3 ... Ø 6.3 mm)
- For use in timber substructure (Typ JA 3 ... Ø 6.5 mm)
- Length range GT 25 mm - 64 mm
- Length range GT 15 mm - 210 mm
- Repeat use of GU-threaded sleeve possible

Note

EJOT® scaffolding anchors may only be loaded in axial direction of the screw. The relevant regulations and standards have to be observed. Scaffolding anchors may not be fastened to facade cladding elements, only directly to the building or to the substructure if it is sufficiently dimensioned.

Variants

- 1** EJOT® ring bolt M10
- 2** EJOT® scaffolding anchor JA3-GT-6.5
- 3** EJOT® scaffolding anchor JZ3-GT-6.3
- 4** EJOT® GU ring bolt M14
- 5** EJOT® scaffolding anchor JA3-GU-6.5
- 6** EJOT® scaffolding anchor JZ3-GU-6.3



Characteristic tensile force $N_{R,k}$ [kN]

(at right angles with assembly level)

Scaffolding anchors	Thickness of the steel substrate t_b in mm from S 235 Jxx (St 37)					
JZ 3 - GU - 6.3 x L	2.0	3.0	4.0	5.0	6.0	≥ 7.0
Ø drill hole (mm)	5.3	5.3	5.3	5.5	5.5	5.7
Characteristic pull-out load ** (kN)	3.6	6.0	8.8	11.6	13.4	13.4

* Based on the approval of the screws ETA-10/0200 annex 44 and 45

Scaffolding anchors	Installation depth into the timber substructure in mm			
JA 3 - GU - 6.5 x L	30	50	60	75
Ø drill hole (mm)	4.5	4.5	4.5	4.5
Characteristic pull-out load ** (kN)	1.5	2.5	3.0	3.7

** Based on the approval of the screws ETA-10/0200



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EJOT® ring bolt M10

Ø Ring [mm]	Female thread	PU	Price/100 [EUR]	Order description	Article number
25.0	M10	50		Ring bolt M10-25 stainless steel	9 430 300 300
25.0	M10	50		Ring bolt M10-25 steel	9 430 300 501

Application Range

- For JZ3-GT and JA3-GT scaffolding anchors

Properties

- Zinc-plated forged steel (as per DIN 582)
- A2 stainless steel



EJOT® scaffolding anchor JA3-GT-6.5

Ø [mm]	Length Self-tapping screw [mm]	PU	Price/100 [EUR]	Order description	Article number
6.5	32	50		JA3-GT-6.5x32-E16	9 413 311 311
6.5	64	50		JA3-GT-6.5x64-E16	9 413 811 311

Application Range

- For installation into timber

Properties

- A2 stainless steel

Technical Data

Drive	Hexalobular drive T30
Sealing washer	E16
High thread	M10

T30



Cross reference page
Accessories 202



EJOT® scaffolding anchor JZ3-GT-6.3

Ø [mm]	Length Self-tapping screw [mm]	PU	Price/100 [EUR]	Order description	Article number
6.3	25	50		JZ3-GT-6.3x25-E16	9 411 211 311
6.3	64	50		JZ3-GT-6.3x64-E16	9 411 811 311

Application Range

- For installation into steel ≥ 2 mm
- For aluminium substructures ≥ 3 mm

Properties

- A2 stainless steel

Technical Data

Drive	Hexalobular drive T30
Sealing washer	E16
High thread	M10

T30



Cross reference page
Accessories 202

EJOT® GU ring bolt M14

Ø Ring [mm]	Female thread	PU	Price/100 [EUR]	Order description	Article number
25.0	M14x1.5	50		GU M14 ring bolt	9 409 400 501

Application Range

- For universal scaffolding anchors GU

Properties

- Zinc-plated forged steel (as per DIN 582)



EJOT® scaffolding anchors JA3-GU-6.5

consisting of EJOT® GU threaded sleeve and EJOT® JA3 self-tapping screw

Ø [mm]	Effective length scaffolding anchor [mm]	Length of self-tapping screw [mm]	PU	Price/100 [EUR]	Order description	Article number
6.5	55	75	50		JA3-GU-6.5x55-E16	9 403 611 311
6.5	70	90	50		JA3-GU-6.5x70-E16	9 403 911 311
6.5	80	100	50		JA3-GU-6.5x80-E16	9 404 011 311
6.5	95	115	50		JA3-GU-6.5x95-E16	9 404 111 311
6.5	105	125	50		JA3-GU-6.5x105-E16	9 404 211 311
6.5	130	150	50		JA3-GU-6.5x130-E16	9 404 411 311
6.5	155	175	50		JA3-GU-6.5x155-E16	9 404 611 311
6.5	180	200	50		JA3-GU-6.5x180-E16	9 404 711 311

Application Range

- For installation into timber

Properties

- A2 stainless steel

Technical Data

Drive	Hexagon AF 3/8"
Sealing washer	E16
High thread	M14x1.5



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Self-tapping screw JA3-6.5	83



Self-drilling Screws

Self-tapping Screws

Solar Fasteners

Storm Washers

Special Screws

Rivets

Direct Fastening

Scaffolding Anchors

Dekite® Flashings

Self-drilling Roof Screws Dabo®

Stress Plates / Flat Roofing Tube Washers / Anchors

Concrete Screws / Aerated Concrete Screws

Anchors and Installation Technology

Installation Tools

Accessories





AF3/8"



Cross reference **page**
 Accessories.....202
 Self-tapping screw JZ3-6.384

EJOT® scaffolding anchor JZ3-GU-6.3

consisting of EJOT® GU threaded sleeve and EJOT® JZ3 self-tapping screw

Ø [mm]	Effective length scaffolding anchor [mm]	Length of self-tapping screw [mm]	PU	Price/100 [EUR]	Order description	Article number
6.3	15	38	50		JZ3-GU-6.3x15-E16	9 401 111 311
6.3	30	50	50		JZ3-GU-6.3x30-E16	9 401 211 311
6.3	45	64	50		JZ3-GU-6.3x45-E16	9 401 511 311
6.3	70	90	50		JZ3-GU-6.3x70-E16	9 401 911 311
6.3	80	100	50		JZ3-GU-6.3x80-E16	9 402 011 311
6.3	95	115	50		JZ3-GU-6.3x95-E16	9 402 111 311
6.3	105	125	50		JZ3-GU-6.3x105-E16	9 402 211 311
6.3	130	150	50		JZ3-GU-6.3x130-E16	9 402 411 311
6.3	155	175	50		JZ3-GU-6.3x155-E16	9 402 611 311
6.3	180	200	50		JZ3-GU-6.3x180-E16	9 402 811 314
6.3	210	230	50		JZ3-GU-6.3x210-E16	9 402 911 314

Application Range

- For installation into steel ≥ 2 mm
- For installation into aluminium ≥ 3 mm

Properties

- A2 stainless steel

Technical Data

Drive	Hexagon AF 3/8"
Sealing washer	E16
High thread	M14x1.5



EJOT® GU threaded sleeve

Sleeve length [mm]	PU	Price/100 [EUR]	Order description	Article number
18	50		GU threaded sleeve	9 400 100 300

Properties

- A2 stainless steel

Technical Data

Drive	A/F 13
Threaded sleeve	M14x1.5

Note

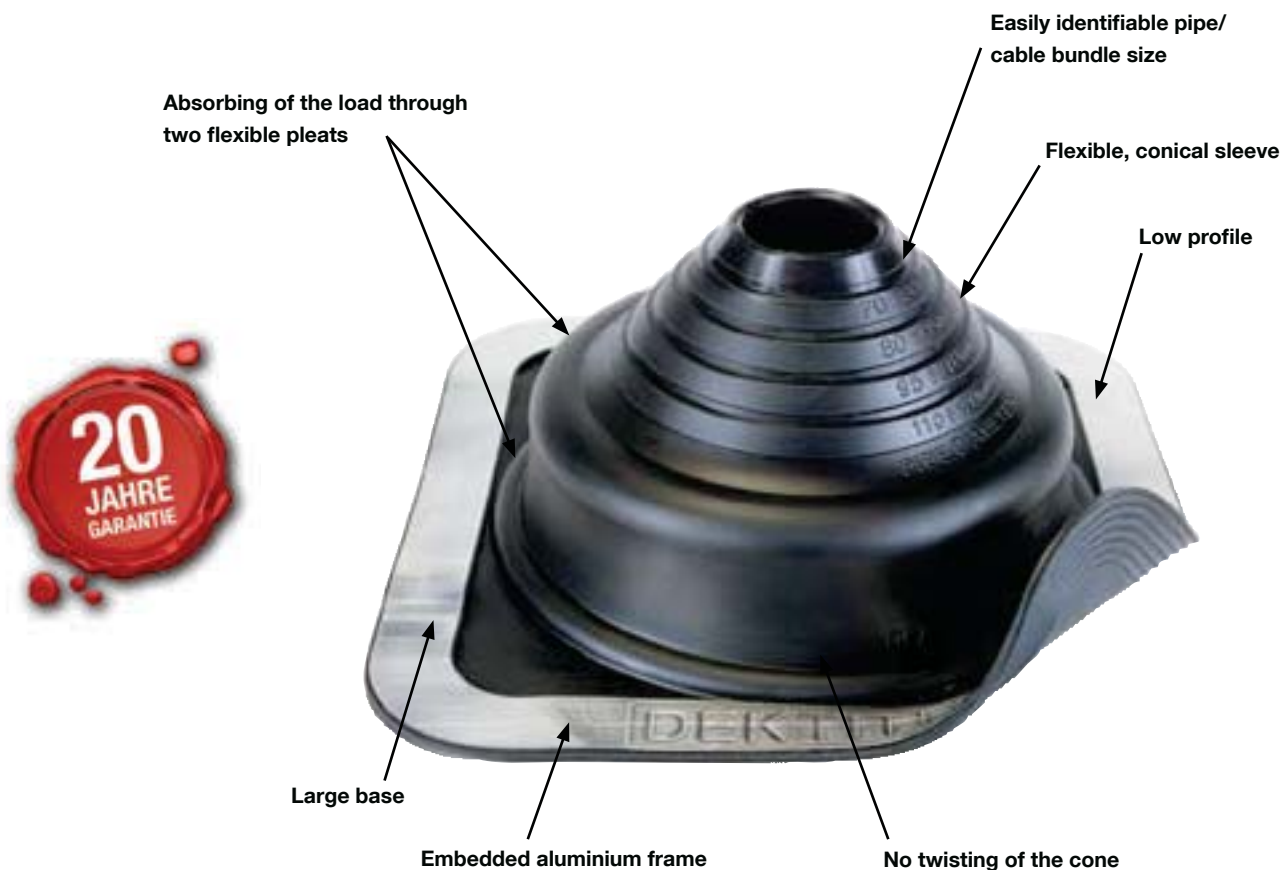
All EJOT® self-tapping screws of the types JZ3 Ø 6.3 and JA3 Ø 6.5 can be combined to a GU universal scaffolding anchor.

Effective length of universal scaffolding anchor
 GU + 20 mm = length of screw required.



DEKTITE® Pipe Flashings

DEKTITE® pipe flashings provide a perfect seal for pipes on roofs and facades. Due to the flexible rubber pleats thermal changes in length of the pipes or sheathing elements are not obstructed. Fatigue fractures, which might occur with rigid pipe feedthroughs, can be prevented with DEKTITE flashings.



Properties

- Standard dimension for pipe diameters of up to 610 mm
- Weather resistant due to building industry approved EPDM
- Unsusceptible to UV-radiation
- Adaptable to all roof profiles

Advantages:

- Long service life
- Thermal stability
 - for a short time up to +150 °C
 - constant up to +115 °C
- Made of silicone for periodically higher temperatures up to +250 °C upon request
- Low-temperature resistance: up to -50 °C

- Flexible adjustment
 - to various profiles
 - to all pipe materials
 - to pipe diameters up to 610 mm
- 20 year warranty on material

Note

When using the DEKTITE® pipe flashing please note that the specifications stated in DIN 18807 "Öffnungen in Dächern" have to be considered. Pipe flashings may not be installed in cross or side laps.

Dektite® Combo

Installation Kit

For pipe Ø [mm]	Roof pitch [°]	Base [mm]	Cartridge capacity [ml]	Content screws / clips [pcs.]	PU	Price/1 [EUR]	Order description	Article number
400 - 450	up to 45	935 x 970	310	70/10	1		DC110	8 270 004 704
500 - 550	up to 30							
600 - 660	up to 15							
730 - 750	up to 6							

Application Range

- For waterproofing pipes on corrugated metal or fibre cement roofs
- For subsequent waterproofing of pipes

Advantages:

- Perfect seal on roof and facade
- No interference of thermal elongation of pipes
- No fatigue fractures
- Ideal for repairs of existing pipe systems

Note

Use Bulbtite rivets for corrugated fibre-cement sheets. For retrofitting see processing guidelines for Dektite® Retrofit.



Included in delivery

- 1 Pipe flashing
- 1 cartridge of EJOPLAST joint sealant
- 1 EJOT® self-drilling screw set / optional EJOT® bulbtite set
- 1 clips set



1. Adjust Dektite® to the pipe.



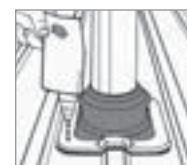
2. Adjust Dektite® to the profiled sheet and mark.



3. Apply sealant



4. Adjust Dektite® to the shape of the profiled sheet.



5. Fasten Dektite® with EJOT® self-drilling screws or bulbtite rivets.



Self-drilling
Screws

Self-tapping
Screws

Solar
Fasteners

Storm
Washers

Special
Screws

Rivets

Direct
Fastening

Scaffolding
Anchors

Dektite®
Flashings

Self-drilling
Roof Screws
Dabo®

Stress Plates /
Flat Roofing Tube
Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
Technology

Installation
Tools

Accessories





Included in delivery

- 1 Pipe flashing
- 1 cartridge of EJOPLAST joint sealant
- 1 EJOT® self-drilling screw set / optional EJOT® bulbrite set

Dektite® Square

Installation Kit

For pipe Ø [mm]	Base [mm]	Roof pitch [°]	Cartridge capacity [ml]	Screws [pcs.]	PU	Price/1 [EUR]	Order description	Article number
0 - 35	100 x 100	0 - 60	80	8	1		DFE 100	8 200 004 704
5 - 55	139 x 139	0 - 35	80	8	1		DFE 101	8 200 104 704
5 - 127	221 x 221	0 - 35	80	16	1		DFE 103	8 200 304 704
75 - 175	280 x 280	0 - 35	80	20	1		DFE 104	8 200 404 704
125 - 230	363 x 363	0 - 35	80	28	1		DFE 106	8 200 604 704
150 - 300	456 x 456	0 - 35	310	32	1		DFE 107	8 200 704 704
230 - 508	681 x 681	0 - 35	310	40	1		DFE 109	8 200 904 704

Application Range

- For waterproofing pipes on trapezoidal or sinusoidal metal roofs or fibre cement roofs

Note

Use bulbtite rivets for corrugated fibre-cement sheets

Advantages:

- Perfect seal on roof and facade
- No interference of thermal elongation of pipes
- No fatigue fractures



1. Adjust Dektite® to the pipe.



2. Adjust Dektite® to the profiled sheet and mark.



3. Apply sealant



4. Adjust Dektite® to the shape of the profiled sheet.



5. Fasten Dekтите® with EJOT® self-drilling screws or bulbrite rivets.

Dektite® EZi-Seal

Installation Kit

For pipe Ø [mm]	Base [mm]	Roof pitch [°]	Screws [pcs.]	PU	Price/1 [EUR]	Order description	Article number
0 - 35	100 x 100	0 - 60	8	1		DFE 100 EZ	8 200 004 706
5 - 55	139 x 139	0 - 35	8	1		DFE 101 EZ	8 200 104 706
5 - 127	221 x 221	0 - 35	16	1		DFE 103 EZ	8 200 304 706
75 - 175	280 x 280	0 - 35	20	1		DFE 104 EZ	8 200 404 706
125 - 230	363 x 363	0 - 35	28	1		DFE 106 EZ	8 200 604 706
150 - 300	456 x 456	0 - 35	32	1		DFE 107 EZ	8 200 704 706
230 - 508	681 x 681	0 - 35	40	1		DFE 109 EZ	8 200 904 706

Application Range

- For waterproofing pipes on corrugated metal or fibre cement roofs
- **No glue required!**

Advantages:

- Non-absorbent, closed cell sealing surface
- Seals under compression even on wet surfaces
- Seals without use of a joint sealant
- No interference of thermal elongation of pipes
- No fatigue fractures

Note

Use bulbrite rivets for corrugated fibre-cement sheets



Included in delivery

1 Pipe flashing
1 EJOT® self-drilling screw set /
optional EJOT® bulbrite set



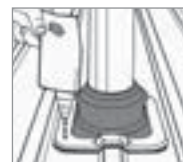
1. Adjust Dektite® to the pipe.



2. Adjust Dektite® to the profiled sheet and mark.



3. Adjust Dektite® to the shape of the profiled sheet.



4. Fasten Dektite® with EJOT® self-drilling screws or bulbrite rivets.



Self-drilling
Screws

Self-tapping
Screws

Solar
Fasteners

Storm
Washers

Special
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Rivets

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Scaffolding
Anchors

Dektite®
Flashings

Self-drilling
Roof Screws
Dabo®

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Flat Roofing Tube
Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
Technology

Installation
Tools

Accessories





Included in delivery

- 1 Pipe flashing
- 1 cartridge of EJOPLAST joint sealant
- 1 EJOT® self-drilling screw set

Dektite® Soaker

Installation Kit

For pipe Ø [mm]	Base [mm]	Roof pitch [°]	Cartridge capacity [ml]	Screws [pcs.]	PU	Price/1 [EUR]	Order description	Article number
75 - 155	410 x 360	0 - 60	80	30	1		DF 602	8 206 024 704
114 - 254	485 x 460	0 - 60	80	36	1		DF 603	8 206 034 704
254 - 406	708 x 635	0 - 60	310	52	1		DF 605	8 206 054 704
380 - 610	1006 x 905	0 - 60	310	96	1		DF 606	8 206 064 704

Application Range

- For waterproofing pipes with large openings

Note

Do not use on smooth surfaces.

Advantages:

- Large base ensures optimum positioning
- Reliable and easy installation
- Seals pipe and roof in a single work step
- Prevents rainwater back-up



1. Adjust Dektite® to the pipe.



2. Adjust Dektit® to the profiled sheet and mark.



3. Mark the outline of the Dektite® on the roof then remove it and mark a 30 mm overlap area.



4. Cut out the roof inside of the marked 30 mm area. Trim sharp edges. Timber supports may be installed to support the roof where ribs have been removed.



5. Apply sealant and fit Dektite® accurately to the profiled sheet.



6. Fix to the middle front and middle back of the Dektite® and fix progressively towards the edge.



7. Use provided metal strips to seal overlapping ends. Trim excess sides

Dektite® Retrofit

Installation Kit

For pipe Ø [mm]	Base Ø [mm]	Roof pitch [°]	Cartridge capacity [ml]	Screws [pcs.]	PU	Price/1 [EUR]	Order description	Article number
20 - 70	160	0 - 40	80	12	1		RF 801	8 260 104 704
50 - 185	273	0 - 40	80	19	1		RF 802	8 260 204 704
85 - 255	369	0 - 40	80	25	1		RF 803	8 260 304 704
235 - 425	780 x 680	0 - 40	310	57	1		RFS 4	8 260 404 704

Application Range

- For subsequent waterproofing of pipes in places difficult to access

Advantages:

- Ideal for repairs of existing pipe systems
- Easy to lock

Note

Use bulbrite rivets for corrugated fibre-cement sheets

Included in delivery

- 1 Pipe flashing
- 1 cartridge of EJOPLAST joint sealant
- 1 EJOT® self-drilling screw set / optional EJOT® bulbrite set



1. Adjust Dektite® to the pipe.



2. Place the Dektite® around the pipe and engage metal teeth in opposing pockets starting at the top.



3. Fasten clips with pliers.



4. Apply sealant and fit Dektite® accurately to the profiled sheet.



5. Fasten Dektite® with EJOT® self-drilling screws or bulbrite rivets.



Self-drilling
Screws

Self-tapping
Screws

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Stress Plates /
Flat Roofing Tube
Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
Technology

Installation
Tools

Accessories





Dektite® Strip Flash

Installation Kit

Length [m]	Width [mm]	Cartridge capacity [ml]	Screws [pcs.]	PU	Price/1 [EUR]	Order description	Article number
3.1	235	310	134	1		DSFBNG	8 200 006 704
10	235	310	410	1		DSFEG	8 200 005 704

Further lengths upon request.

Delivery scope DSFBNG

2 cartridges joint sealant
(neutral curing silicone)

Delivery scope DSFEG

5 cartridges joint sealant
(neutral curing silicone)

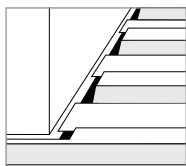
1 EJOT® self-drilling screw set

Application Range

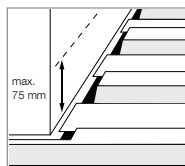
- Sealing of wall joints
- Forming expansion joints

Properties

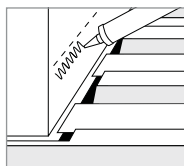
- Edge of sealing strip $\leq 25\%$
(accordion principle)
- Use up to profile height $\leq 35\text{ mm}$



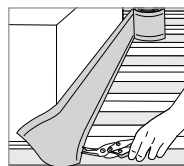
1. Trim 150 mm of the crown to guarantee water flow.



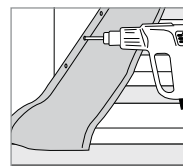
2. Do not mark the sealing line more than 75 mm above the purlin.



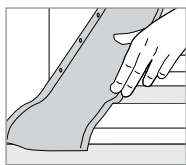
3. Apply sealant below the sealing line.



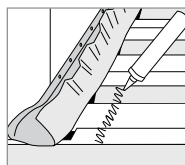
4. Trim every side of the Dektite®. Allow 200 - 300 mm for overlap.



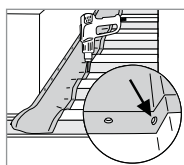
5. Fasten along the upper edge without stretching of the Dektit®.



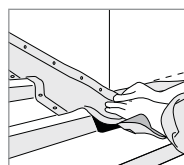
3. Manually adjust Dektite® to the shape of the profiled sheet. Do not use tools!



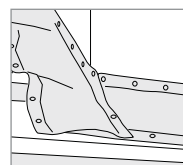
7. Apply sealant.



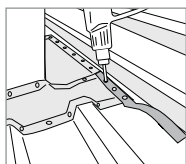
8. Fasten to valley and to profile edges as shown.



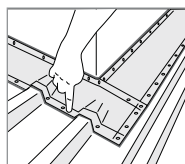
9. Stretch the corners of the overlapping upper part of the Dektite® and push down. Attach the upper corner.



10. Remove excess Dektite®. Overlap needs to be done thoroughly. Also apply sealing compound under the overlap on the edges.



11. Fix the corners with provided metal strip.



12. Apply sealing compound across the edges and form a ridge in order to slow down the water flow.

Solar Dektite® Premium 3

Installation Kit

For pipe Ø [mm]	Base Ø [mm]	Roof pitch [°]	Cartridge capacity [ml]	Screws [pcs.]	PU	Price/1 [EUR]	Order description	Article number
0 - 35	100 x 100	0 - 60	80	8	1		DFE 100 BS	8 250 004 704

Application Range

- Ideal for solar installations and PV
- For up to 2 cables and 1 pipe

Properties

- Black or grey EPDM
- Silicone for high temperatures also available

Note

Use bulbrite rivets for corrugated fibre-cement sheets

NEW



Included in delivery

- 1 Pipe flashing
- 1 cartridge of EJOPLAST joint sealant
- 1 EJOT® self-drilling screw set / optional EJOT® bulbrite set

Solar Dektite® Premium 5

Installation Kit

For pipe Ø [mm]	Base Ø [mm]	Roof pitch [°]	Cartridge capacity [ml]	Screws [pcs.]	PU	Price/1 [EUR]	Order description	Article number
0 - 35	100 x 100	0 - 60	80	8	1		DFE 101 BS	8 250 104 704

Application Range

- Ideal for solar installations and PV
- For up to 4 cables + 1 pipe

Properties

- Black or grey EPDM
- Silicone for high temperatures also available

Note

Use bulbrite rivets for corrugated fibre-cement sheets

NEW



Included in delivery

- 1 Pipe flashing
- 1 cartridge of EJOPLAST joint sealant
- 1 EJOT® self-drilling screw set / optional EJOT® bulbrite set

Solar Dektite® Premium 12

Installation Kit

For pipe Ø [mm]	Base Ø [mm]	Roof pitch [°]	Cartridge capacity [ml]	Screws [pcs.]	PU	Price/1 [EUR]	Order description	Article number
0 - 35	100 x 100	0 - 60	80	8	1		DFE 101 BM	8 250 000 704

Application Range

- Ideal for PV
- For up to 12 cables

Properties

- Black or grey EPDM

Note

Use bulbrite rivets for corrugated fibre-cement sheets

NEW



Included in delivery

- 1 Pipe flashing
- 1 cartridge of EJOPLAST joint sealant
- 1 EJOT® self-drilling screw set / optional EJOT® bulbrite set



Self-drilling
Screws

Self-tapping
Screws

Solar
Fasteners

Storm
Washers

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Flat Roofing Tube
Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
Technology

Installation
Tools

Accessories





EJOT® hose clamp

For pipe Ø [mm]	PU	Price/1 [EUR]	Order description	Article number
20 - 32	1		Hose clamp 20-32	8 200 004 300
40 - 60	1		Hose clamp 40-60	8 200 006 300
60 - 80	1		Hose clamp 60-80	8 200 008 300
70 - 90	1		Hose clamp 70-90	8 200 009 300
90 - 110	1		Hose clamp 90-110	8 200 011 300
110 - 130	1		Hose clamp 110-130	8 200 013 300
130 - 150	1		Hose clamp 130-150	8 200 015 300

Application Range

- A reliable seal between pipe and pipe flashing

Installation note

Pierce the marking for the clamp or cable tie at the joint, pull through, place around the Dektite® Retrofit and close.



EJOT® universal hose clamp

Width [mm]	Length [m]	PU	Price/1 [EUR]	Order description	Article number
7	-	1		Cable tie	8 200 076 300
-	-	1		Tightener	8 200 077 300
7	1	1		Set (1 tightener + 1 cable tie)	8 200 078 300

Application Range

- A reliable seal between pipe and pipe flashing
- For diameters from 150 mm onwards

Installing the cable tie

Tip back the hinged screw in the tightener, insert one end of the universal cable tie through the clamp lock and twist about 15 mm. Place universal fastener strap around Dektite®, insert through the tightener and tighten by hand. Hinge the screw inwards and tighten as far as possible with a screwdriver.

Order note

Universal hose clamp consisting of tightener and universal cable tie. Length of universal cable tie $\geq$ pipe circumference + 50 mm

EJOPLAST joint sealant

Content [ml]	Colour	PU	Price/1 [EUR]	Order description	Article number
310	clear	1		EJOPLAST 310 ml clear	8 200 001 000

Application Range

- For sealing the pipe flashings

Smooth, non-porous substructures may even be wet, while porous surfaces should be dry.

Properties

EJOPLAST is a single-component universal sealant based on polycarboxylic acid copolymeric base.

EJOPLAST can be cleaned with standard detergents, but not with solvents.

EJOPLAST adheres to all conventional materials such as steel, aluminium, copper, brass, glass, wood, ceramic, bitumen, concrete, masonry, plaster, plexiglas, tiles, roof tiles, polyester, roofing paper, etc.

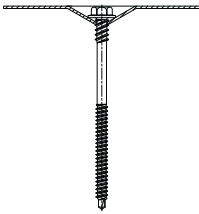
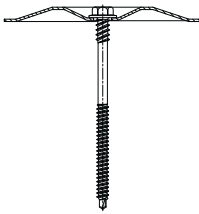
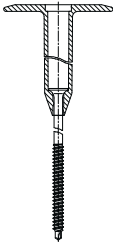
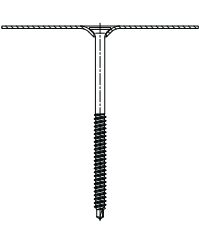
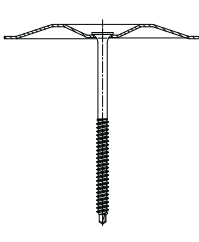
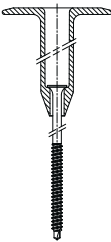
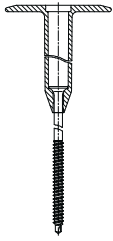
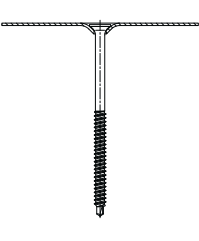
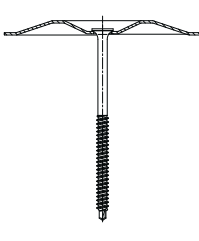
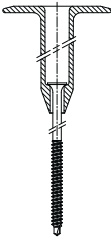
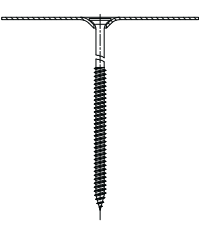
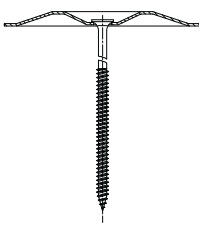
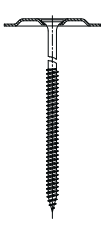
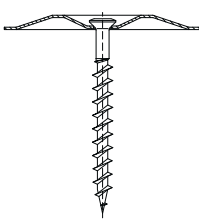
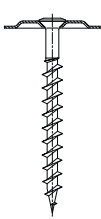
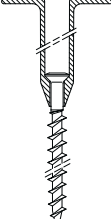
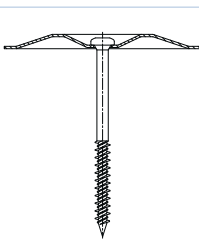
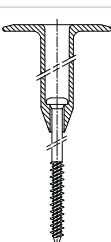
EJOPLAST hardens through the evaporation of solvents and is impervious to water from the beginning because it forms an immediate skin. The surface is adhesive-free after 20-30 minutes (depending on temperature), likewise immediately after contact with water (e.g. by planing).





Compatibility

acc. to ETA-07/0013

	Tube washer HTK 2G	Stress plate HTV 82/40 TK	Stress plate HTV 82/40	Stress plate HTV 82/40 F	Stress plate HTV 40 RU	Tube washer EcoTek 50
Self-drilling roof screw Dabo® SW8 RT-4.8						
Self-drilling roof screw Dabo® TKR-4.8						
Self-drilling roof screw Dabo® TKE-4.8						
Self-drilling roof screw Dabo® VHT-R-4.8						
Aerated concrete screw FPS-E-8.0						
Concrete screw FBS-R-6.3						


Self-drilling
Screws

Self-tapping
Screws

Solar
Fasteners

Storm
Washers

Special
Screws

Rivets

Direct
Fastening

Scaffolding
Anchors

Dekite®
Flashings

Self-drilling
Roof Screws
Dabo®

Stress Plates /
Flat Roofing Tube
Washers / Anchors

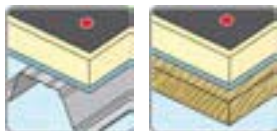
Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
Technology

Installation
Tools

Accessories





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Cross reference	page
Stress plate HTV 82/40	139
Stress plate HTV 82/40 F.....	141
ECOset installation tool.....	184
ECOset L installation tool.....	185

EJOT Dabo® screw SW 8 RT-4.8

with high thread

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
bulk packed					
4.8	80	250		SW8RT-4.8x80	3 477 100 629
4.8	100	250		SW8RT-4.8x100	3 477 300 629
4.8	120	250		SW8RT-4.8x120	3 477 500 629
4.8	140	200		SW8RT-4.8x140	3 477 700 629
4.8	160	200		SW8RT-4.8x160	3 477 900 629
4.8	180	200		SW8RT-4.8x180	3 478 100 629
4.8	200	200		SW8RT-4.8x200	3 478 300 629
4.8	220	200		SW8RT-4.8x220	3 478 400 629
4.8	240	150		SW8RT-4.8x240	3 478 600 629
4.8	260	100		SW8RT-4.8x260	3 478 800 629
belted					
4.8	80	750		SW8RT-4.8x80-belted	3 477 101 629
4.8	100	750		SW8RT-4.8x100-belted	3 477 301 629
4.8	120	750		SW8RT-4.8x120-belted	3 477 501 629
4.8	140	750		SW8RT-4.8x140-belted	3 477 701 629
4.8	160	750		SW8RT-4.8x160-belted	3 477 901 629
4.8	180	750		SW8RT-4.8x180-belted	3 478 101 629
4.8	200	750		SW8RT-4.8x200-belted	3 478 301 629
4.8	220	750		SW8RT-4.8x220-belted	3 478 401 629
4.8	240	750		SW8RT-4.8x240-belted	3 478 601 629
4.8	260	750		SW8RT-4.8x260-belted	3 478 801 629

Application Range

- To fix roofing membrane to substructures made of sheet steel $\geq 0.75 \text{ mm} \leq 1.5 \text{ mm}$, timber or wood-based material
- For combination with EJOT® stress plates/ tube washers

Properties

- Case-hardened steel
- Climadur coated – high-quality coating to improve corrosion protection (15 Kesternich cycles, DIN 50018, 1997)
- With high thread to prevent screw head protrusion due to foot traffic

Technical Data

Drilling capacity	1.5 mm
Drive	Hexagon A/F8

Length determination (min. lengths)

Sheet steel	Insulation thickness + 20 mm
Timber	Insulation thickness + 30 mm

Compatibility with EJOT® stress plates/tube washers

acc. to ETA-07/0013

	Tube washer HTK 2G	Stress plate HTV 82/40 TK	Stress plate HTV 82/40	Stress plate HTV 82/40 F	Stress plate HTV 40 RU	Tube washer EcoTek 50
Self-drilling roof screw Dabo® SW8 RT-4.8						

EJOT Dabo® screw TKR-4.8

with bugle head

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
4.8	35	500		TKR-4.8x35	3 496 700 629
4.8	50	500		TKR-4.8x50	3 496 800 629
4.8	60	500		TKR-4.8x60	3 496 900 629
4.8	70	500		TKR-4.8x70	3 497 000 629
4.8	80	500		TKR-4.8x80	3 497 100 629
4.8	90	250		TKR-4.8x90	3 497 200 629
4.8	100	250		TKR-4.8x100	3 497 300 629
4.8	110	250		TKR-4.8x110	3 497 400 629
4.8	120	250		TKR-4.8x120	3 497 500 629
4.8	140	200		TKR-4.8x140	3 497 700 629
4.8	160	200		TKR-4.8x160	3 497 900 629
4.8	180	200		TKR-4.8x180	3 498 100 629
4.8	200	200		TKR-4.8x200	3 498 300 629
4.8	220	200		TKR-4.8x220	3 498 400 629
4.8	240	200		TKR-4.8x240	3 498 600 629
4.8	260	200		TKR-4.8x260	3 498 800 629
4.8	280	200		TKR-4.8x280	3 498 900 629
4.8	300	200		TKR-4.8x300	3 499 000 629

Application Range

- To fix roofing membrane to substructures made of sheet steel ≥ 0.75 mm ≤ 1.5 mm, timber or wood-based material
- For combination with EJOT® stress plates/tube washers

Technical Data	
Drilling capacity	1.5 mm
Drive	Cross recess PH 2

Length determination (min. lengths)	
Sheet steel	Insulation thickness + 20 mm
Timber	Insulation thickness + 30 mm

Properties

- Case-hardened steel
- Climadur coated – high-quality coating to improve corrosion protection (15 Kesternich cycles, DIN 50018, 1997)
- Can be delivered belted for EJOT® ECOset installation tool or pre-assembled with EJOT® tube washers HTK for EJOT® ECOset HTK installation tool.



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Cross reference	page
Tube washer HTK 2G	144
Stress plate HTV 82/40 TK	140
Stress plate HTV 82/40 F	141
Stress plate HTV 40 RU	142
Tube washer EcoTek 50	148
ECOset installation tool	184
ECOset L installation tool	185
ECOset HTK installation tool	186

Compatibility with EJOT® stress plates/tube washers

acc. to ETA-07/0013

	Tube washer HTK 2G	Stress plate HTV 82/40 TK	Stress plate HTV 82/40	Stress plate HTV 82/40 F	Stress plate HTV 40 RU	Tube washer EcoTek 50
Self-drilling roof screw Dabo® TKR-4.8						



PH 2



Cross reference	page
Tube washer HTK 2G	144
Stress plate HTV 82/40 TK	140
Stress plate HTV 82/40 F.....	141
Stress plate HTV 40 RU.....	142
Tube washer EcoTek 50.....	148
ECOset installation tool.....	184
ECOset L installation tool.....	185
ECOset HTK installation tool.....	186

EJOT Dabo® screw TKR-3-4.8

with bugle head

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
4.8	70	500		TKR-3-4.8x70	3 437 000 639
4.8	90	500		TKR-3-4.8x90	3 437 200 639
4.8	110	250		TKR-3-4.8x110	3 437 400 639

Application Range

- To secure roofing membrane to sheet steel substructures
≥ 1 mm ≤ 3 mm
- For combination with EJOT® stress plates/ tube washers

Properties

- Case-hardened steel
- Climadur coated – high-quality coating to improve corrosion protection (15 Kesternich cycles, DIN 50018, 1997)
- Can be delivered belted for EJOT® ECOset installation tool or pre-assembled with EJOT® tube washers HTK for EJOT® ECOset HTK installation tool.

Technical Data

Drilling capacity	3.0 mm
Drive	Cross recess PH 2

Length determination (min. lengths)

Sheet steel	Insulation thickness + 20 mm
-------------	------------------------------

Compatibility with EJOT® stress plates/tube washers

(not part of the ETA-07/0013)

	Tube washer HTK 2G	Stress plate HTV 82/40 TK	Stress plate HTV 82/40	Stress plate HTV 82/40 F	Stress plate HTV 40 RU	Tube washer EcoTek 50
Self-drilling roof screw Dabo® TKR-3-4.8						

EJOT Dabo® screw VHT-R-4.8

with bugle head

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
4.8	35	500		VHT-R-4.8x35	3 496 700 609
4.8	50	500		VHT-R-4.8x50	3 496 800 609
4.8	60	500		VHT-R-4.8x60	3 496 900 609
4.8	70	500		VHT-R-4.8x70	3 497 000 609
4.8	80	500		VHT-R-4.8x80	3 497 100 609
4.8	90	250		VHT-R-4.8x90	3 497 200 609
4.8	100	250		VHT-R-4.8x100	3 497 300 609
4.8	120	250		VHT-R-4.8x120	3 497 500 609
4.8	140	200		VHT-R-4.8x140	3 497 700 609
4.8	160	200		VHT-R-4.8x160	3 497 900 609
4.8	180	200		VHT-R-4.8x180	3 498 100 609
4.8	200	200		VHT-R-4.8x200	3 498 300 609

Application Range

- To fix roofing membrane to substructures made of sheet steel $\geq 0.63 \text{ mm} \leq 0.75 \text{ mm}$, timber or wood-based material
- For combination with EJOT® stress plates/tube washers

Properties

- Case-hardened steel
- Climadur coated – high-quality coating to improve corrosion protection (15 Kesternich cycles, DIN 50018, 1997)
- Can be delivered belted for EJOT® ECOset installation tool or pre-assembled with EJOT® tube washers HTK for EJOT® ECOset HTK installation tool.

Note

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

Technical Data

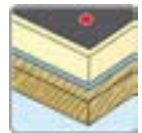
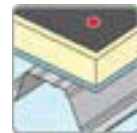
Drilling capacity	0.75 mm
Drive	Cross recess PH 2

Length determination (min. lengths)

Sheet steel	Insulation thickness + 20 mm
Timber	Insulation thickness + 30 mm



PH 2



Approval

ETA-07/0013

Cross reference

	page
Tube washer HTK 2G	144
Stress plate HTV 82/40 TK	140
Stress plate HTV 82/40 F	141
Stress plate HTV 40 RU	142
ECOset installation tool	184
ECOset L installation tool	185
ECOset HTK installation tool	186

Compatibility with EJOT® stress plates/tube washers

acc. to ETA-07/0013

	Tube washer HTK 2G	Stress plate HTV 82/40 TK	Stress plate HTV 82/40	Stress plate HTV 82/40 F	Stress plate HTV 40 RU	Tube washer EcoTek 50
Self-drilling roof screw Dabo® VHT-R-4.8						



Self-drilling
Screws

Self-tapping
Screws

Solar
Fasteners

Storm
Washers

Special
Screws

Rivets

Direct
Fastening

Scaffolding
Anchors

Dekite®
Flashings

Self-drilling
Roof Screws
Dabo®

Stress Plates /
Flat Roofing Tube
Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
Technology

Installation
Tools

Accessories



EJOT Dabo® screw TKE-4.8

with bugle head



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Cross reference	page
Tube washer HTK 2G	144
Stress plate HTV 82/40 TK	140
Stress plate HTV 82/40 F	141
Stress plate HTV 40 RU	142
Tube washer EcoTek 50	148
ECOset installation tool	184
ECOset L installation tool	185
ECOset HTK installation tool	186

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
4.8	50	500		TKE-4.8x50	7 384 108 301
4.8	60	500		TKE-4.8x60	7 384 109 301
4.8	70	500		TKE-4.8x70	7 384 110 301
4.8	80	250		TKE-4.8x80	7 384 111 301
4.8	90	250		TKE-4.8x90	7 384 112 301
4.8	100	250		TKE-4.8x100	7 384 113 301
4.8	120	250		TKE-4.8x120	7 384 132 301
4.8	140	200		TKE-4.8x140	7 384 125 301
4.8	160	200		TKE-4.8x160	7 384 198 301
4.8	180	200		TKE-4.8x180	7 384 202 301
4.8	200	200		TKE-4.8x200	7 384 203 301

NEW
NEW
NEW

Application Range

- To fix roofing membrane to substructures made of sheet steel ≥ 0.75 mm ≤ 1.5 mm, timber and wood-based material
- For renovations
- For combination with EJOT® stress plates/tube washers

Properties

- A4 stainless steel with hardened drill point
- Can be delivered belted for EJOT® ECOset installation tool or pre-assembled with EJOT® tube washers HTK for EJOT® ECOset HTK installation tool.

Technical Data	
Drilling capacity	1.5 mm
Drive	Cross recess PH 2
Length determination (min. lengths)	
Sheet steel	Insulation thickness + 20 mm
Timber	Insulation thickness + 30 mm

Compatibility with EJOT® stress plates/tube washers

acc. to ETA-07/0013

	Tube washer HTK 2G	Stress plate HTV 82/40 TK	Stress plate HTV 82/40	Stress plate HTV 82/40 F	Stress plate HTV 40 RU	Tube washer EcoTek 50
Self-drilling roof screw Dabo® TKE-4.8						

Stress Plates

made of metal

EJOT®

EJOT® stress plate HTV 82/40

for hexagon head screw

Width [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
40	82	1,000		HTV-82/40	3 020 095 401

Application Range

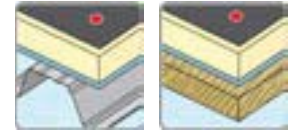
- To fix roofing membrane to substructures made of trapezoidal steel profiles, timber and wood-based materials
- For new buildings and renovations
- For installation with EJOT® ECOset tools
- For manual installation

Properties

- Alu-zinc coated steel

Note

For combination with EJOT Dabo® screws



Approval
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Cross reference	page
Dabo® screw SW 8 RT-4.8	134
ECOset installation tool.....	184
ECOset L installation tool.....	185

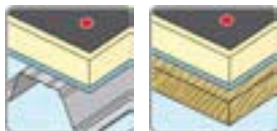
Compatible with EJOT Dabo® screws / with concrete and aerated concrete screws

acc. to ETA-07/0013

	Self-drilling roof screw Dabo® SW8 RT-4.8	Self-drilling roof screw Dabo® TKR-4.8	Self-drilling roof screw Dabo® TKE-4.8	Self-drilling roof screw Dabo® VHT-R-4.8	Aerated concrete screw FPS-E-8.0	Concrete screw FBS-R-6.3
Stress plates HTV 82/40						

Stress Plates

made of metal



Approval

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Cross reference

Cross reference	page
Dabo® screw TKR-4.8	135
Dabo® screw TKE-4.8	138
Dabo® screw VHT-R-4.8	137
ECOset installation tool.....	184
ECOset L installation tool.....	185

EJOT® stress plate HTV 82/40 TK

for bugle head screw

Width [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
40	82	1,000		HTV-82/40 TK	3 020 098 401

Application Range

- To fix roofing membrane to substructures made of trapezoidal steel profiles, timber and wood-based materials
- For new buildings and renovations
- For installation with EJOT® ECOset tools
- For manual installation

Properties

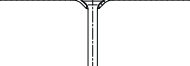
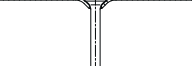
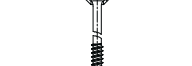
- Alu-zinc coated steel

Note

For combination with EJOT Dabo® screws

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

acc. to ETA-07/0013

	Self-drilling roof screw Dabo® SW8 RT-4.8	Self-drilling roof screw Dabo® TKR-4.8	Self-drilling roof screw Dabo® TKE-4.8	Self-drilling roof screw Dabo® VHT-R-4.8	Aerated concrete screw FPS-E-8.0	Concrete screw FBS-R-6.3
Stress plates HTV 82/40 TK						

Stress Plates

made of metal

EJOT®

EJOT® stress plate HTV 82/40 F

for solid substrate

Width [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
40	82	500		HTV-82/40 F	3 020 093 401

Application Range

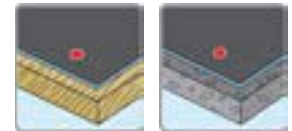
- To fix roofing membrane to substructures made of timber, wood-based materials, concrete and aerated concrete
- For solid substrate

Properties

- Alu-zinc coated steel

Note

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



Cross reference	page
Dabo® screw SW 8 RT-4.8	134
Dabo® screw TKR-4.8	135
Dabo® screw TKE-4.8	138
Dabo® screw VHT-R-4.8	137
Aerated concrete screw FPS-E..	150
Concrete screw FBS-R.....	149

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

acc. to ETA-07/0013

	Self-drilling roof screw Dabo® SW8 RT-4.8	Self-drilling roof screw Dabo® TKR-4.8	Self-drilling roof screw Dabo® TKE-4.8	Self-drilling roof screw Dabo® VHT-R-4.8	Aerated concrete screw FPS-E-8.0	Concrete screw FBS-R-6.3
Stress plates HTV 82/40 F						



Self-drilling
Screws

Self-tapping
Screws

Solar
Fasteners

Storm
Washers

Special
Screws

Rivets

Direct
Fastening

Scaffolding
Anchors

Dekite®
Flashings

Self-drilling
Roof Screws
Dabo®

Stress Plates /
Flat Roofing Tube
Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
Technology

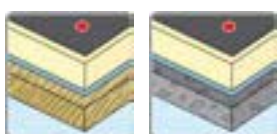
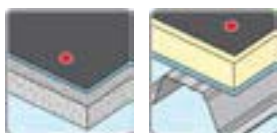
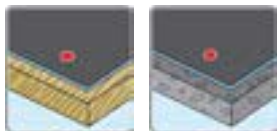
Installation
Tools

Accessories



Stress Plates

made of metal



EJOT® stress plate HTV 40 RU

Ø [mm]	PU	Price/100 [EUR]	Order description	Article number
40	1.000		HTV-40 RU	3 020 041 401

Application Range

- To fix roofing membrane and to fasten pressure-resistant insulation to substructures made of trapezoidal steel profiles, timber, wood-based materials, concrete and aerated concrete

Properties

- Alu-zinc coated steel

Note

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

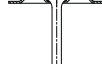
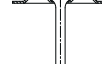
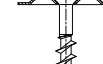
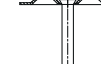
Approval
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Cross reference	page
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Dabo® screw TKR-4.8	135
Dabo® screw TKE-4.8	138
Dabo® screw VHT-R-4.8	137
Aerated concrete screw FPS-E..	150
Concrete screw FBS-R	149

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

acc. to ETA-07/0013

	Self-drilling roof screw Dabo® SW8 RT-4.8	Self-drilling roof screw Dabo® TKR-4.8	Self-drilling roof screw Dabo® TKE-4.8	Self-drilling roof screw Dabo® VHT-R-4.8	Aerated concrete screw FPS-E-8.0	Concrete screw FBS-R-6.3
Stress plates HTV 40 RU						

Stress Plates

made of metal

EJOT®

EJOT® stress plate HTV RU 40 W

pre-assembled

Ø [mm]	Screw length [mm]	PU	Price/100 [EUR]	Order description	Article number
40	25	500		HTV RU-40/25-W	3 022 540 401
40	35	500		HTV RU-40/35-W	3 023 540 401
40	45	500		HTV RU-40/45-W	3 024 540 401
40	55	400		HTV RU-40/55-W	3 025 540 401

Application Range

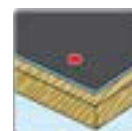
- To fix roofing membrane to substructures made of timber and wood-based materials (without insulation)

Properties

- Stress plate: Alu-zinc coated steel
- Screw: case-hardened steel, Climadur* coated

*Climadur

High-grade coating to improve the corrosion protection (15 Kesternich cycles, DIN 50018, 1997)



Self-drilling
Screws

Self-tapping
Screws

Solar
Fasteners

Storm
Washers

Special
Screws

Rivets

Direct
Fastening

Scaffolding
Anchors

Dekite®
Flashings

Self-drilling
Roof Screws
Dabo®

Stress Plates /
Flat Roofing Tube
Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
Technology

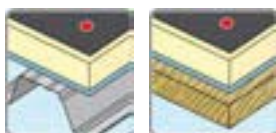
Installation
Tools

Accessories



Flat Roofing Tube Washers / Anchors

made of plastic



Approval

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Dabo® screw TKR-4.8	135
Dabo® screw TKE-4.8	138
Dabo® screw VHT-R-4.8	137
ECOset HTK installation tool	186

EJOT® tube washer HTK 2G

for all Dabo® screws with bugle head drive

Ø washer [mm]	Effective shaft length L [mm]	PU	Price/100 [EUR]	Order description	Article number
50	35	1,800		HTK-2G-50x35	8 587 035 070
50	55	1,500		HTK-2G-50x55	8 587 055 070
50	95	850		HTK-2G-50x95	8 587 095 070
50	115	800		HTK-2G-50x115	8 587 115 070
50	145	600		HTK-2G-50x145	8 587 145 070
50	185	400		HTK-2G-50x185	8 587 185 070
50	225	300		HTK-2G-50x225	8 587 225 070
50	275	300		HTK-2G-50x275	8 587 275 070
50	325	250		HTK-2G-50x325	8 587 325 070

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

Application area

- To secure roofing membrane to substructures made of trapezoidal steel profiles, wood and wood-based material
- For new buildings and renovations
- For special requirements of resistance to imposed loads
- Limits cold bridging
- For installation with EJOT® ECOset tools

Properties

- High-grade plastic material
- Telescope design for resistance to imposed loads
- Available loosely pre-assembled or collated

Note

For combination with EJOT Dabo® screws

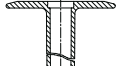
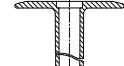
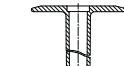


Telescope design for resistance to imposed loads



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

acc. to ETA-07/0013

	Self-drilling roof screw Dabo® SW8 RT-4.8	Self-drilling roof screw Dabo® TKR-4.8	Self-drilling roof screw Dabo® TKE-4.8	Self-drilling roof screw Dabo® VHT-R-4.8	Aerated concrete screw FPS-E-8.0	Concrete screw FBS-R-6.3
Tube washer HTK 2G						

Flat Roofing Tube Washers / Anchors

made of plastic

EJOT®

EJOT® tube washer HTK 2G

collated

Insulation thickness [mm]	Effective shaft length L [mm]	Screw length [mm]	PU	Price/100 [EUR]	Order description	Article number
with EJOT Dabo® screw TKR						
60	35	50	1,000		HTK-2G-M/TKR-60-35/50	3 703 505 021
80	55	50	1,000		HTK-2G-M/TKR-80-55/50	3 705 505 021
100	55	70	1,000		HTK-2G-M/TKR-100-55/70	3 705 507 021
120	95	50	1,000		HTK-2G-M/TKR-120-95/50	3 709 505 021
140	95	70	1,000		HTK-2G-M/TKR-140-95/70	3 709 507 021
160	115	70	1,000		HTK-2G-M/TKR-160-115/70	3 711 507 021
180	145	60	700		HTK-2G-M/TKR-180-145/60	3 714 506 021
200	145	80	700		HTK-2G-M/TKR-200-145/80	3 714 508 021
220	145	100	700		HTK-2G-M/TKR-220-145/100	3 714 510 021
240	145	120	700		HTK-2G-M/TKR-240-145/120	3 714 512 021
260	145	140	700		HTK-2G-M/TKR-260-145/140	3 714 514 021
280	145	160	700		HTK-2G-M/TKR-280-145/160	3 714 597 991
with EJOT Dabo® screw TKE						
60	35	50	1,000		HTK-2G-M/TKE-60-35/50	3 703 505 022
80	55	50	1,000		HTK-2G-M/TKE-80-55/50	3 705 505 022
100	55	70	1,000		HTK-2G-M/TKE-100-55/70	3 705 507 022
120	95	50	1,000		HTK-2G-M/TKE-120-95/50	3 709 505 022
140	95	70	1,000		HTK-2G-M/TKE-140-95/70	3 709 507 022
160	115	70	1,000		HTK-2G-M/TKE-160-115/70	3 711 507 022
180	145	60	700		HTK-2G-M/TKE-180-145/60	3 714 506 022
200	145	80	700		HTK-2G-M/TKE-200-145/80	3 714 508 022
220	145	100	700		HTK-2G-M/TKE-220-145/100	3 714 510 022
240	145	120	700		HTK-2G-M/TKE-240-145/120	3 714 512 022
260	145	140	700		HTK-2G-M/TKE-260-145/140	3 714 514 022

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

Application area

- To fix roofing membrane
- For new buildings and renovations
- For installation with EJOT® ECOset HTK installation tool
- For special requirements of resistance to imposed loads
- Limits cold bridging
- For manual installation

Properties

- Tube washer: high-grade plastic material
- Dabo® screw TKR = case-hardened steel, Climadur* coated
- Dabo® screw TKE = A4 stainless steel
- Collated
- Telescope design for resistance to imposed loads
- Combinations for insulation thicknesses up to 600 mm on request

*Climadur

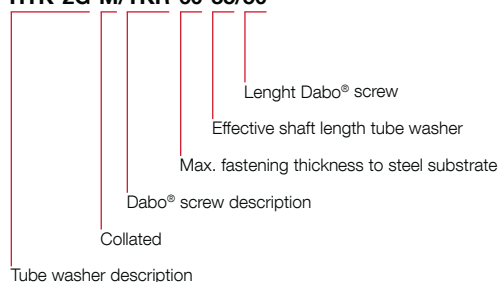
High-grade coating to improve the corrosion protection (15 Kesternich cycles, DIN 50018, 1997)

Note

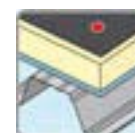
For combination with EJOT Dabo® screws. Drill capacity = 3mm on request!

Technical Data	
Drilling capacity (TKR/TKE)	1.50 mm
Drilling capacity (VHT-R)	0.75 mm
Collator capacity	25 pcs.

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



NEW



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Dabo® screw TKR-4.8	135
Dabo® screw TKE-4.8	138
Dabo® screw VHT-R-4.8	137
ECOset HTK installation tool	186



Self-drilling
Screws

Self-tapping
Screws

Solar
Fasteners

Storm
Washers

Special
Screws

Rivets

Direct
Fastening

Scaffolding
Anchors

Dekite®
Flashings

Self-drilling
Roof Screws
Dabo®

Stress Plates /
Flat Roofing Tube
Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

Installation
Technology

Installation
Tools

Accessories

i

EJOT® Flat Roofing Anchor FDD plus 50

Steel



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Cross reference

page

AS spacer	207
Hammer drill "A" cone	197
Drill extension	197
Bit TORX® T30-M6/x33	198
Bit extension	199

Ø washer [mm]	Anchor length [mm]	Substructure ¹⁾ ≤ total panel thickness	Substructure ²⁾ ≤ total panel thickness	PU	Price/100 [EUR]	Order description	Article number
Anchors with steel screws finished with high-quality organic Cr(VI) free coating							
50	75	45	10	100		FDD-Plus-50x075-R	8 720 075 400 NEW
50	95	65	30	100		FDD-Plus-50x095-R	8 720 095 400
50	115	85	50	100		FDD-Plus-50x115-R	8 720 115 400
50	135	105	70	100		FDD-Plus-50x135-R	8 720 135 400
50	155	125	90	100		FDD-Plus-50x155-R	8 720 155 400
50	175	145	110	100		FDD-Plus-50x175-R	8 720 175 400
50	195	165	130	100		FDD-Plus-50x195-R	8 720 195 400
50	215	185	150	100		FDD-Plus-50x215-R	8 720 215 400
50	235	205	170	100		FDD-Plus-50x235-R	8 720 235 400
50	255	225	190	100		FDD-Plus-50x255-R	8 720 255 400
50	275	245	210	100		FDD-Plus-50x275-R	8 720 275 400
50	295	265	230	100		FDD-Plus-50x295-R	8 720 295 400
50	335	305	270	100		FDD-Plus-50x335-R	8 720 335 400
50	375	345	310	100		FDD-Plus-50x375-R	8 720 375 400
50	415	385	350	100		FDD-Plus-50x415-R	8 720 415 400
50	455	425	390	100		FDD-Plus-50x455-R	8 720 455 400
50	495	465	430	100		FDD-Plus-50x495-R	8 720 495 400
50	535	505	470	100		FDD-Plus-50x535-R	8 720 535 400

1) Concrete C12/12; lightweight concrete LC12/13

2) Aerated concrete P 3.3

Application area

- To fix roofing membrane
- Ideal for pitched roof insulation
- For concrete, lightweight concrete and aerated concrete substructures
- Limits cold bridging

Properties

- Anchor sleeve made of high-grade plastic material
- Anchor screw made of steel, high-quality organic coating (15 Kesternich cycles, DIN 50018, 1997); Cr(VI) free

Note

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

Technical Data

Drill hole diameter	8.0 mm
Anchor screw drive	Hexalobular drive T30
Installation depth	
Concrete C12/15	≥ 30 mm
Lightweight concrete LC12/13	≥ 30 mm
Aerated concrete P 3.3	≥ 65 mm
Drill hole depth	
Concrete C12/15	≥ 45 mm
Lightweight concrete LC12/13	≥ 45 mm
Aerated concrete P 3.3	≥ 80 mm

Flat Roofing Tube Washers / Anchors

made of plastic

EJOT®

EJOT® Flat Roofing Anchor FDD plus 50

A2 stainless steel

Ø washer [mm]	Anchor length [mm]	Substructure ¹⁾ ≤ total panel thickness	Substructure ²⁾ ≤ total panel thickness	PU	Price/100 [EUR]	Order description	Article number
Anchors with A2 stainless steel screws							
50	75	45	10	100		FDD-Plus-50x075-E	8 720 075 600 NEW
50	95	65	30	100		FDD-Plus-50x095-E	8 720 095 600
50	115	85	50	100		FDD-Plus-50x115-E	8 720 115 600
50	135	105	70	100		FDD-Plus-50x135-E	8 720 135 600
50	155	125	90	100		FDD-Plus-50x155-E	8 720 155 600
50	175	145	110	100		FDD-Plus-50x175-E	8 720 175 600
50	195	165	130	100		FDD-Plus-50x195-E	8 720 195 600
50	215	185	150	100		FDD-Plus-50x215-E	8 720 215 600
50	235	205	170	100		FDD-Plus-50x235-E	8 720 235 600
50	255	225	190	100		FDD-Plus-50x255-E	8 720 255 600
50	275	245	210	100		FDD-Plus-50x275-E	8 720 275 600
50	295	265	230	100		FDD-Plus-50x295-E	8 720 295 600
50	335	305	270	100		FDD-Plus-50x335-E	8 720 335 600
50	375	345	310	100		FDD-Plus-50x375-E	8 720 375 600
50	415	385	350	100		FDD-Plus-50x415-E	8 720 415 600
50	455	425	390	100		FDD-Plus-50x455-E	8 720 455 600
50	495	465	430	100		FDD-Plus-50x495-E	8 720 495 600
50	535	505	470	100		FDD-Plus-50x535-E	8 720 535 600
1) Concrete C12/12; lightweight concrete LC12/13							
2) Aerated concrete P 3.3							

Application area

- To fix roofing membrane
- Ideal for pitched roof insulation
- For concrete, lightweight concrete and aerated concrete substructures
- Limits cold bridging

Properties

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

Note

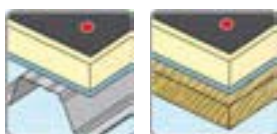
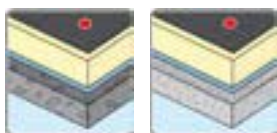
Pull-out tests have to be arranged with our service team for all renovation cases.

Technical Data	
Drill hole diameter	8.0 mm
Anchor screw drive	Hexalobular drive T30
Installation depth	
Concrete C12/15	≥ 30 mm
Lightweight concrete LC12/13	≥ 30 mm
Aerated concrete P 3.3	≥ 65 mm
Drill hole depth	
Concrete C12/15	≥ 45 mm
Lightweight concrete LC12/13	≥ 45 mm
Aerated concrete P 3.3	≥ 80 mm



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Cross reference	page
AS spacer	207
Hammer drill „A“ cone	197
Drill extension	197
Bit TORX® T30-M6/x33	198
Bit extension	199

**Approval**

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Cross reference **page**

Dabo® screw TKR-4.8	135
Dabo® screw TKE-4.8	138
Aerated concrete screw FPS-E..	150
Concrete screw FBS-R.....	149

EJOT® tube washer EcoTek 50

Ø washer [mm]	Effective shaft length L [mm]	PU	Price/100 [EUR]	Order description	Article number
50	25	2,000		EcoTek-50x35	8 595 035 007
50	55	1,300		EcoTek-50x65	8 595 065 007
50	95	800		EcoTek-50x105	8 595 105 007
50	155	450		EcoTek-50x165	8 595 165 007
50	215	500		EcoTek-50x225	8 595 225 007
50	265	300		EcoTek-50x275	8 595 275 007
50	325	250		EcoTek-50x335	8 595 335 007

NEW**NEW****Application area**

- To fix roofing membrane to substructures made of concrete, aerated concrete, trapezoidal steel profiles, timber and wood-based materials
- For special requirements of resistance to imposed loads
- Limits cold bridging

Properties

- High-grade plastic material
- Telescope design for resistance to imposed loads
- In combination for insulation material thicknesses up to 595 mm (FBS-R) and up to 600 mm (TKR)
- Telescope design, prevents screw head protrusion due to foot traffic even with soft insulating material

Note

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



Telescope design for resistance to imposed loads

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

acc. to ETA-07/0013

	Self-drilling roof screw Dabo® SW8 RT-4.8	Self-drilling roof screw Dabo® TKR-4.8	Self-drilling roof screw Dabo® TKE-4.8	Self-drilling roof screw Dabo® VHT-R-4.8	Aerated concrete screw FPS-E-8.0	Concrete screw FBS-R-6.3
Tube washer EcoTek 50						

Concrete Screws / Aerated Concrete Screws

Climadur coated

EJOT®

EJOT® concrete screw FBS-R-6.3

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
6.3	35	500		FBS-R-6.3x35	5 763 035 512
6.3	60	500		FBS-R-6.3x60	5 763 060 512
6.3	80	250		FBS-R-6.3x80	5 763 080 512
6.3	100	250		FBS-R-6.3x100	5 763 100 512
6.3	120	250		FBS-R-6.3x120	5 763 120 512
6.3	140	200		FBS-R-6.3x140	5 763 140 512
6.3	160	200		FBS-R-6.3x160	5 763 160 512
6.3	180	200		FBS-R-6.3x180	5 763 180 512
6.3	220	200		FBS-R-6.3x220	5 763 220 512
6.3	260	100		FBS-R-6.3x260	5 763 260 512
6.3	300	100		FBS-R-6.3x300	5 763 300 512

Application Range

- To fix roofing membrane to concrete sub-structures
- For combination with EJOT® stress plates/ tube washers

Properties

- Case-hardened steel
- Climadur coated – high-quality coating to improve corrosion protection (15 Kesternich cycles, DIN 50018, 1997)

Technical Data

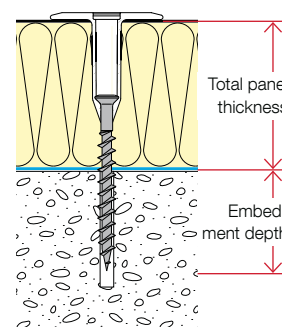
Installation depth ≥	30 mm
Nominal drill diameter	5.0 mm
Drill hole depth ≥	45 mm
Drive	Hexalobular drive T30



Approval
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Stress plate HTV 40 RU.....	142
Tube washer EcoTek 50.....	148
Hammer drill "A" cone.....	197
Drill extension.....	197
Bit TORX® T30-M6/x33.....	198
Bit extension.....	199

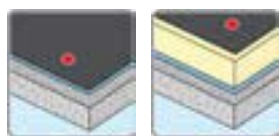
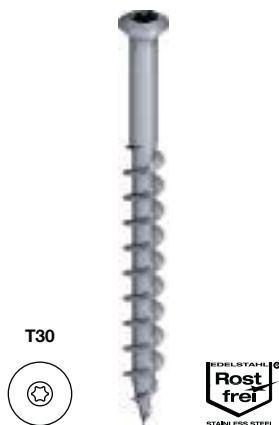
Total panel thickness [mm]					
FBS-R-6.3xL [mm]	Tube washer EcoTek-50xL [mm]				
	35	65	105	165	225
60	50	80	120	180	240
80	70	100	140	200	260
100	90	120	160	220	280
120	110	140	180	240	300
140	130	160	200	260	320
180	170	200	240	300	360
220	210	240	280	340	400
260	250	280	320	380	440
300	290	320	360	420	480



Compatibility with EJOT® stress plates/tube washers

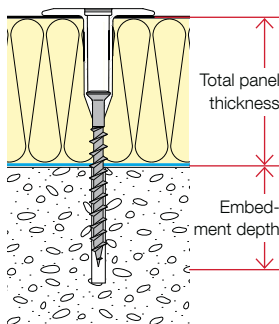
acc. to ETA-07/0013

	Tube washer HTK 2G	Stress plate HTV 82/40 TK	Stress plate HTV 82/40	Stress plate HTV 82/40 F	Stress plate HTV 40 RU	Tube washer EcoTek 50
Concrete screw FBS-R-6.3						



Approval
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Stress plate HTV 82/40 F.....	141
Stress plate HTV 40 RU.....	142
Tube washer EcoTek 50.....	148
Bit TORX® T30-M6/x33.....	198
Bit extension.....	199



EJOT® aerated concrete screw FPS-E-8.0

Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
8.0	80	250		FPS-E-8.0x80	5 580 080 310
8.0	100	250		FPS-E-8.0x100	5 580 100 310
8.0	120	250		FPS-E-8.0x120	5 580 120 310
8.0	140	100		FPS-E-8.0x140	5 580 140 310 NEW
8.0	160	100		FPS-E-8.0x160	5 580 160 310
8.0	180	100		FPS-E-8.0x180	5 580 180 310 NEW
8.0	200	100		FPS-E-8.0x200	5 580 200 310
8.0	220	100		FPS-E-8.0x220	5 580 220 310 NEW
8.0	240	100		FPS-E-8.0x240	5 580 240 310
8.0	260	100		FPS-E-8.0x260	5 580 260 310 NEW
8.0	280	100		FPS-E-8.0x280	5 580 280 310 NEW
8.0	300	100		FPS-E-8.0x300	5 580 300 310 NEW

Application Range

- To fix roofing membrane to aerated concrete substructures
- For combination with EJOT® stress plates/ tube washers

Note

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

Properties

- Stainless steel
- Approved for P3.3 aerated concrete onwards
- No pre-drilling

Technical Data

Installation depth ≥	60 mm
Drive	Hexalobular drive T30

Total panel thickness [mm]

FPS-E-8.0 x L [mm]	Tube washer EcoTek-50xL [mm]				
	35	65	105	165	225
100	60	90	130	190	250
120	80	110	150	210	270
160	120	150	190	250	310
200	160	190	230	290	350
240	200	230	270	330	390

Compatibility with EJOT® stress plates/tube washers

acc. to ETA-07/0013

	Tube washer HTK 2G	Stress plate HTV 82/40 TK	Stress plate HTV 82/40	Stress plate HTV 82/40 F	Stress plate HTV 40 RU	Tube washer EcoTek 50
Gas concrete screw FPS-E-8.0						

Concrete Screws / Aerated Concrete Screws

Stainless steel

EJOT®

EJOT® aerated concrete screw FPS-E-8.0

pre-assembled

Insulation thickness [mm]	Effective shaft length L [mm]	Screw length [mm]	PU	Price/100 [EUR]	Order description	Article number
with EJOT® tube washer EcoTek 50						
50	25	100	100		FPS-E/EcoTek-50-35/100	2 703 501 030
70	25	120	100		FPS-E/EcoTek-70-35/120	2 703 501 230
80	55	100	100		FPS-E/EcoTek-80-65/100	2 706 501 030
100	55	120	100		FPS-E/EcoTek-100-65/120	2 706 501 230
120	95	100	100		FPS-E/EcoTek-120-105/100	2 710 501 030
140	95	120	100		FPS-E/EcoTek-140-105/120	2 710 501 230
170	155	80	100		FPS-E/EcoTek-170-165/80	2 716 500 830
180	155	100	100		FPS-E/EcoTek-180-165/100	2 716 501 030
200	155	120	100		FPS-E/EcoTek-200-165/120	2 716 501 230
230	215	80	100		FPS-E/EcoTek-230-225/80	2 722 500 830
240	215	100	100		FPS-E/EcoTek-240-225/100	2 722 501 030
260	215	120	100		FPS-E/EcoTek-260-225/120	2 722 501 230
280	265	80	100		FPS-E/EcoTek-280-275/80	2 727 500 830
290	265	100	100		FPS-E/EcoTek-290-275/100	2 727 501 030
310	265	120	100		FPS-E/EcoTek-310-275/120	2 727 501 230
340	325	80	100		FPS-E/EcoTek-340-335/80	2 733 500 830
350	325	100	100		FPS-E/EcoTek-350-335/100	2 733 501 030
370	325	120	100		FPS-E/EcoTek-370-335/120	2 733 501 230
390	325	140	100		FPS-E/EcoTek-390-335/140	2 733 501 430

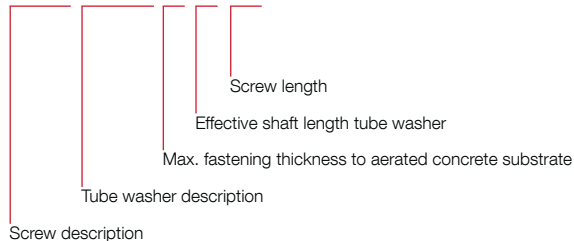
Application Range

- To fix roofing membrane to aerated concrete substructures
- For combination with EJOT® stress plates/ tube washers

Properties

- Screw: stainless steel
- Tube washer: high-grade plastic material
- Approved for P3.3 aerated concrete onwards
- No pre-drilling

FPS-E/EcoTek-50-35/100

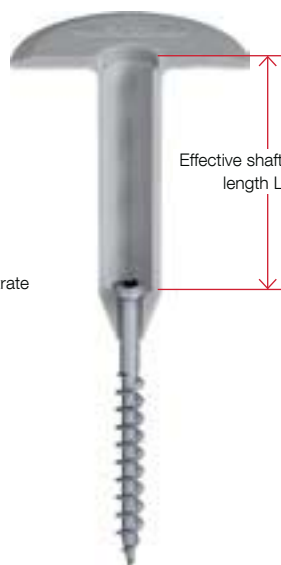


Note

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

Technical Data

Installation depth ≥	60 mm
Drive	Hexalobular drive T30



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Stress plate HTV 40 RU.....	142
Stress plate EcoTek 50.....	148
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Bit extension.....	199

Self-drilling
ScrewsSelf-tapping
ScrewsSolar
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WashersSpecial
Screws

Rivets

Direct
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FlashingsSelf-drilling
Roof Screws
Dabo®Stress Plates /
Flat Roofing Tube
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Anchor and installation technology

Screws and anchors for fixing substructures and facade cladding of rear ventilated systems



Facade anchors
page 154



Anchor Bolts
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Nail anchors
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Insulation support anchors
page 168



Chemical anchors
page 172



Renovation anchor
page 171



Accessories
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Length range of anchors with zinc-plated steel screws and Cr(VI)-free coating (V)

Length range of anchors with A4 stainless steel screws (E)

Length [mm]	SDF-S-8V		SDF-KB-8V		SDF-S-10V		SDF-KB-10V		SDF-S-10H		SDF-KB-10H		SDF-S-14A		SDF-KB-14A		SDP-S-10G		SDP-KB-10G	
Material	V	E	V	E	V	E	V	E	V	E	V	E	V	E	V	E	V	E	V	E
50					•		•	•												
60			•		•		•	•												
70					•		•	•												
80	•		•		•		•	•	•	•	•	•			•	•	•	•	•	•
100	•		•		•		•	•	•	•	•	•			•	•	•	•	•	•
120	•		•		•		•	•	•	•	•	•	•				•	•	•	•
140	•		•		•		•	•	•	•	•	•	•				•	•	•	•
160	•		•		•		•	•	•	•	•	•	•				•	•	•	•
180	•		•		•		•	•	•	•	•	•	•				•	•	•	•
200	• ¹⁾		• ¹⁾		•		•	•	•	•	•	•	•				•	• ¹⁾	•	• ¹⁾
220	• ¹⁾		• ¹⁾		•		•	•	•	•	•	•	•				•	• ¹⁾	•	• ¹⁾
240									•				• ¹⁾							
260									•				•							
280									•				• ¹⁾							
300									•				•							
320													•							
340													•							
360													•							

1) Delivery time upon request

Approval		ETA pending	ETA-10/0305		ETA-15/0027	ETA-12/0502
Type of Anchor		SDF-8V	SDF-10V	SDF-10H	SDF-14A	SDP-10G
Nominal drill diameter	d_{nom} / d_d [mm]	8	10	10	14	10
Drill cut diameter	d_{cut} [mm] ≤	8.45	10.45	10.45	14.5	10.45
Drill hole depth	h_1 / t [mm] ≥	60	50 / 60	80	80	80
Embedment depth (concrete + masonry)	h_{nom} / hv [mm] ≥	50	–	70	70	70
Embedment depth (concrete)	$h_{nom,1} / hv$ [mm] ≥	50	40	70	70	70
Embedment depth (masonry)	$h_{nom,2} / hv$ [mm] ≥	50	50	70	70	70
Hole diameter of component to be installed	d_f [mm]	8.5	10.5	10.5	14.5	10.5

Building materials	Standard	SDF-8V	SDF-10V	SDF-10H	SDF-14A	SDP-10G
Standard concrete ≥ C12/15	DIN 1045 EN 12	•	•	•		
Solid brick Mz EN 771-1-001	DIN EN 772	•	•	•	•	
Vertically perforated brick Hlz EN 771-1-002	DIN 105-1			•	•	
Vertically perforated brick LHLz ¹⁾	DIN 105-2			•		
Solid lime sand brick KS EN 771-2-009	DIN 106	(•)	•	•	•	
Perforated lime sand brick KSL EN 771-2-003	DIN 106			•	•	
Slag brick ¹⁾	DIN 398					
Lightweight concrete cavity block ≥ HBL 2 EN 771-3-005	DIN 18151			•	•	
Solid lightweight concrete bricks	DIN 18152	(•)		•		
Solid concrete brick ¹⁾ EN 771-3-006	DIN 18153	(•)			•	
Concrete cavity block ¹⁾	DIN 18153					
Concrete rain screen ≥ C 12/15	DIN 1045			•		
Porous lightweight concrete	TGL			•		
Aerated concrete EN 771-4	DIN 1053 / 4165				•	•

1) As a rule: pull-out tests on the structure

Note: Please observe the corresponding approvals for determination of the characteristic load-carrying capacity.

NEW



T30



Approval
 ETA pending

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EJOT® facade anchor SDF-S-8V

with countersunk head

Ø [mm]	Anchor length L [mm]	Fixing thickness B ≤ [mm]	PU	Price/100 [EUR]	Order description	Article number
Anchors with steel screw with zinc-plated Cr(VI)-free coating (-V)						
8	80	30	100		SDF-S-8Vx80-V	8 569 080 430
8	100	50	100		SDF-S-8Vx100-V	8 569 100 430
8	120	70	100		SDF-S-8Vx120-V	8 569 120 430
8	140	90	100		SDF-S-8Vx140-V	8 569 140 430
8	160	110	100		SDF-S-8Vx160-V	8 569 160 430
8	180	130	100		SDF-S-8Vx180-V	8 569 180 430
8	200	150	100		SDF-S-8Vx200-V*	8 569 200 430
8	220	170	100		SDF-S-8Vx220-V*	8 569 220 430

* Delivery time upon request

Application Range

- For fixing timber substructures to solid brick masonry and concrete
- For installation in rain screen

Properties

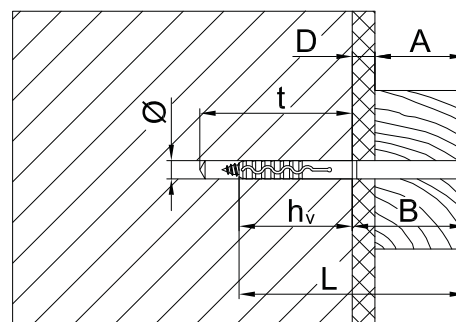
- Small drill-hole diameter
- Cr(VI)-free coating
- Product identification through different sleeve colours

Note

For planning and processing please note approval Z-21-2-589

Characteristic values

Drive	Hexalobular drive T30
Drill hole depth ≥ t	60 mm
Embedment depth ≥ h _v	50 mm



Instructions for using galvanic zinc-plated facade anchor screws

(excerpt from ETA-10/0305)

The special screw made of galvanic zinc-plated steel may also be used outside, after careful installation and if the area of the screw head is protected against moisture and driving rain in such a way, that no moisture can enter the anchor shaft. This requires facade cladding of rain screen fixed in front of the screw head and the screw head has to be coated with a soft-plastic, permanently elastic, bitumen oil combination coat (e.g. car underbody coating or cavity protection).

EJOT® facade anchor SDF-KB-8V

with hexagon head

Ø [mm]	Anchor length L [mm]	Fixing thickness B ≤ [mm]	PU	Price/100 [EUR]	Order description	Article number
Anchors with steel screw with zinc-plated Cr(VI)-free coating (-V)						
8	60	10	100		SDF-KB-8Vx60-V	8 570 060 430
8	80	30	100		SDF-KB-8Vx80-V	8 570 080 430
8	100	50	100		SDF-KB-8Vx100-V	8 570 100 430
8	120	70	100		SDF-KB-8Vx120-V	8 570 120 430
8	140	90	100		SDF-KB-8Vx140-V	8 570 140 430
8	160	110	100		SDF-KB-8Vx160-V	8 570 160 430
8	180	130	100		SDF-KB-8Vx180-V	8 570 180 430
8	200	150	100		SDF-KB-8Vx200-V*	8 570 200 430
8	220	170	100		SDF-KB-8Vx220-V*	8 570 220 430

* Delivery time upon request

Application Range

- For fixing metal substructures to solid brick masonry and concrete
- For installation in rain screen

Properties

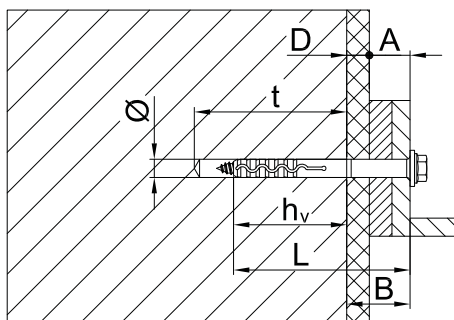
- Hexagon head with flange
- Small drill-hole diameter
- Cr(VI)-free coating
- Thermal and galvanic separation
- Product identification through different sleeve colours

Note

Please note approval Z-21-2-589

Characteristic values

Drive	Hexagon A/F10
Drill hole depth ≥ t	60 mm
Embedment depth ≥ h _v	50 mm



EJOT

NEW

EPD

AF10



Approval

ETA pending

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Self-drilling
Screws

Self-tapping
Screws

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Fasteners

Storm
Washers

Special
Screws

Rivets

Direct
Fastening

Scaffolding
Anchors

Dekite®
Flashings

Self-drilling
Roof Screws
Dabo®

Stress Plates /
Flat Roofing Tube
Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

**Anchors and
Installation
Technology**

Installation
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EJOT® facade anchor SDF-S-10V

with countersunk head



T40



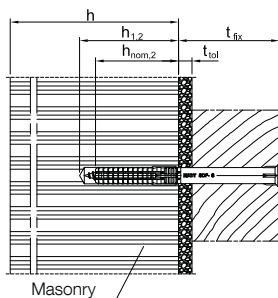
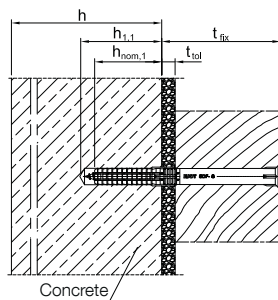
Approval

ETA-10/0305

Cross reference

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Corrosion protection spray	208



Ø [mm]	Anchor length L [mm]	Fixing thickness t _{fix} (concrete) ≤ [mm]	Fixing thickness t _{fix} (masonry) ≤ [mm]	PU	Price/100 [EUR]	Order description	Article number
Anchor with steel screw with zinc-plated Cr(VI)-free coating (-V)							
10	50	10	—	100		SDF-S-10Vx50-V	8 580 050 450
10	60	20	10	100		SDF-S-10Vx60-V	8 580 060 450
10	70	30	20	100		SDF-S-10Vx70-V	8 580 070 450
10	80	40	30	100		SDF-S-10Vx80-V	8 580 080 450
10	100	60	50	100		SDF-S-10Vx100-V	8 580 100 450
10	120	80	70	100		SDF-S-10Vx120-V	8 580 120 450
10	140	100	90	100		SDF-S-10Vx140-V	8 580 140 450
10	160	120	110	100		SDF-S-10Vx160-V	8 580 160 450
10	180	140	130	100		SDF-S-10Vx180-V	8 580 180 450
10	200	160	150	100		SDF-S-10Vx200-V	8 580 200 450
10	220	180	170	100		SDF-S-10Vx220-V	8 580 220 450

Application Range

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

Properties

- Anchor with an embedment depth of 40 mm in concrete
- Two installation depths (embedment in masonry 50 mm)
- Very short expansion part, for short installation times
- Optimal expanding part due to radial expansion
- Very high bending moment
- Cr VI-free coating of the screw
- Product identification through different sleeve colours
- Double safety lock against torsion for secure installation

Note

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

Characteristic values

Hole depth in concrete h _{1,1}	≥ 50 mm
Effective embedment depth in concrete h _{nom,1}	≥ 40 mm
Hole depth in masonry h _{1,2}	≥ 60 mm
Effective embedment depth in masonry h _{nom,2}	≥ 50 mm
Drill hole diameter d ₀	10 mm
Hole diameter of construction part to be installed d _i	≤ 10.5 mm
Drive	T40

Characteristic loads

Tensile load N _{Rk,0} in concrete C12/15	
Temperature range 30 °C / 50 °C	4.50 kN
Temperature range 50 °C / 80 °C	4.00 kN
F _{Rk} brick Mz 20-1.8, NF	2.50 kN
F _{Rk} solid lime sand brick KS 36, NF	4.00 kN
F _{Rk} solid lime sand brick KS 20, 8 DF	4.50 kN
Transverse load V _{Rk,s} in concrete C12/15 at h _{nom,1} = 40 mm	
Anchor with steel screw	7.93 kN
Anchor with stainless steel screw A4	9.12 kN
Transverse load V _{Rk,s} at h _{nom,2} = 50 mm	
Anchor with steel screw	11.09 kN
Anchor with stainless steel screw A4	12.94 kN
Bending moment M _{Rk,s} at h _{nom,1} = 40 mm	
Anchor with steel screw	13.80 kN
Anchor with stainless steel screw A4	16.09 kN
Side load M _{Rk,s} at h _{nom,2} = 50 mm	
Anchor with steel screw	23.01 Nm
Anchor with stainless steel screw A4	26.62 Nm

EJOT® facade anchor SDF-KB-10V

with hexagon head

Ø [mm]	Anchor length L [mm]	Fixing thickness t_{fix} (concrete) ≤ [mm]	Fixing thickness t_{fix} (masonry) ≤ [mm]	PU	Price/100 [EUR]	Order description	Article number
Anchor with steel screw with zinc-plated Cr(VI)-free coating (-V)							
10	50	10	—	100		SDF-KB-10Vx50-V	8 581 050 450
10	60	20	10	100		SDF-KB-10Vx60-V	8 581 060 450
10	70	30	20	100		SDF-KB-10Vx70-V	8 581 070 450
10	80	40	30	100		SDF-KB-10Vx80-V	8 581 080 450
10	100	60	50	100		SDF-KB-10Vx100-V	8 581 100 450
10	120	80	70	100		SDF-KB-10Vx120-V	8 581 120 450
10	140	100	90	100		SDF-KB-10Vx140-V	8 581 140 450
10	160	120	110	100		SDF-KB-10Vx160-V	8 581 160 450
10	180	140	130	100		SDF-KB-10Vx180-V	8 581 180 450
10	200	160	150	100		SDF-KB-10Vx200-V	8 581 200 450
10	220	180	170	100		SDF-KB-10Vx220-V	8 581 220 450
Anchor with A4 stainless steel screws (-E)							
10	50	10	—	100		SDF-KB-10Vx50-E	8 581 050 650
10	60	20	10	100		SDF-KB-10Vx60-E	8 581 060 650
10	70	30	20	100		SDF-KB-10Vx70-E	8 581 070 650

Application Range

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

Properties

- Anchor with an embedment depth of 40 mm in concrete
- Two installation depths (embedment in masonry 50 mm)
- Very short expansion part, for short installation times
- Optimal expanding part due to radial expansion
- Very high bending moment
- Cr VI-free coating of the screw
- Product identification through different sleeve colours
- Double safety lock against torsion for secure installation

Note

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

Characteristic values

Hole depth in concrete $h_{1,1}$	≥ 50 mm
Effective embedment depth in concrete $h_{nom,1}$	≥ 40 mm
Hole depth in masonry $h_{1,2}$	≥ 60 mm
Effective embedment depth in masonry $h_{nom,2}$	≥ 50 mm
Drill hole diameter d_0	10 mm
Hole diameter of construction part to be installed d_i	≤ 10.5 mm
Drive	AF13/T40

Characteristic loads

Tensile load $N_{Rk,B}$ in concrete C12/15	
Temperature range 30 °C / 50 °C	4.50 kN
Temperature range 50 °C / 80 °C	4.00 kN
F_{Rk} brick Mz 20-1.8, NF	2.50 kN
F_{Rk} solid lime sand brick KS 36, NF	4.00 kN
F_{Rk} solid lime sand brick KS 20, 8 DF	4.50 kN
Transverse load $V_{Rk,S}$ in concrete C12/15 at $h_{nom,1} = 40$ mm	
Anchor with steel screw	7.93 kN
Anchor with stainless steel screw A4	9.12 kN
Transverse load $V_{Rk,S}$ at $h_{nom,2} = 50$ mm	
Anchor with steel screw	11.09 kN
Anchor with stainless steel screw A4	12.94 kN
Bending moment $M_{Rk,S}$ at $h_{nom,1} = 40$ mm	
Anchor with steel screw	13.80 kN
Anchor with stainless steel screw A4	16.09 kN
Side load $M_{Rk,S}$ at $h_{nom,2} = 50$ mm	
Anchor with steel screw	23.01 Nm
Anchor with stainless steel screw A4	26.62 Nm

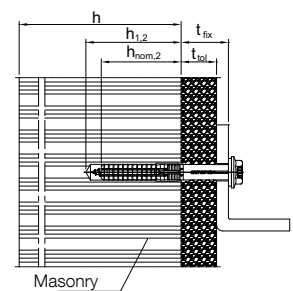
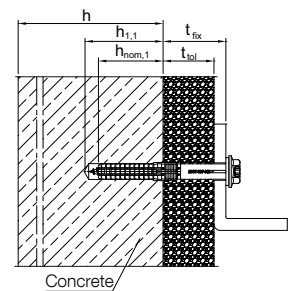


Approval

ETA-10/0305

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Self-drilling
Screws

Self-tapping
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Solar
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Special
Screws

Rivets

Direct
Fastening

Scaffolding
Anchors

Dekite®
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Self-drilling
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Dabo®

Stress Plates /
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Concrete Screws /
Aerated
Concrete Screws

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EJOT® facade anchor SDF-S-10H

with countersunk head

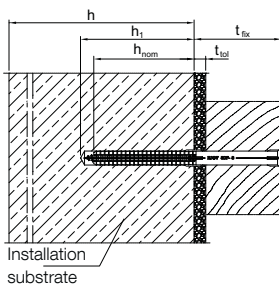


T40



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

Application Range

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

Properties

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

Note

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

Characteristic values

Hole depth in concrete $h_{1,1}$	≥ 80 mm
Effective embedment depth h_{nom}	≥ 70 mm
Drill hole diameter d_0	10 mm
Hole diameter of construction part to be installed d_1	≤ 10.5 mm
Drive	T40

Characteristic loads

Tensile load $N_{Rk,0}$ in concrete C12/15	
Temperature range 30 °C / 50 °C	4.50 kN
Temperature range 50 °C / 80 °C	4.00 kN
Brick Mz 20-1.8, NF	4.00 kN
Solid lime sand brick KS 36, NF	4.50 kN
Solid lime sand brick KS 20, 8 DF	4.50 kN
Solid lightweight concrete brick V6, 2 DF	2.00 kN
Porous lightweight concrete	2.00 kN
Vertically perforated brick HLz 12-0.9, NF	2.00 kN
Perforated lime sand brick KSL 12, 4 DF	2.50 kN
Cavity block tile made of lightweight concrete Hbl 10, 12 DF	1.20 kN
Transverse load $V_{Rk,s}$	
Anchor with steel screw	9.35 kN
Anchor with stainless steel screw A4	10.91 kN
Bending moment $M_{Rk,s}$	
Anchor with steel screw	17.67 Nm
Anchor with stainless steel screw A4	20.62 Nm

EJOT® facade anchor SDF-KB-10H

with hexagon head

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

Application Range

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

Properties

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

Note

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

Characteristic values

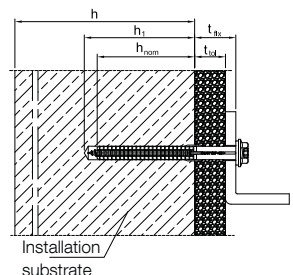
Hole depth in concrete $h_{1,1}$	≥ 80 mm
Effective embedment depth h_{nom}	≥ 70 mm
Drill hole diameter d_0	10 mm
Hole diameter of construction part to be installed d_i	≤ 10.5 mm
Drive	AF13/T40

Characteristic loads

Tensile load $N_{Rk,D}$ in concrete C12/15	
Temperature range 30 °C / 50 °C	4.50 kN
Temperature range 50 °C / 80 °C	4.00 kN
Brick Mz 20-1.8, NF	4.00 kN
Solid lime sand brick KS 36, NF	4.50 kN
Solid lime sand brick KS 20, 8 DF	4.50 kN
Solid lightweight concrete brick V6, 2 DF	2.00 kN
Porous lightweight concrete	2.00 kN
Vertically perforated brick HLz 12-0.9, NF	2.00 kN
Perforated lime sand brick KSL 12, 4 DF	2.50 kN
Cavity block tile made of lightweight concrete Hbl 10, 12 DF	1.20 kN
Transverse load $V_{Rk,S}$	
Anchor with steel screw	9.35 kN
Anchor with stainless steel screw A4	10.91 kN
Bending moment $M_{Rk,S}$	
Anchor with steel screw	17.67 Nm
Anchor with stainless steel screw A4	20.62 Nm



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Blow-out pump	176
Tool belt	169
Corrosion protection spray	208



Self-drilling
Screws

Self-tapping
Screws

Solar
Fasteners

Storm
Washers

Special
Screws

Rivets

Direct
Fastening

Scaffolding
Anchors

Dekitte®
Flashings

Self-drilling
Roof Screws
Dabo®

Stress Plates /
Flat Roofing Tube
Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
Technology

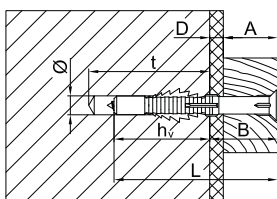
Installation
Tools

Accessories





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Tool belt.....	169
Corrosion protection spray	208



EJOT® facade anchor SDF-S-14A

with countersunk head

Ø [mm]	Anchor length L [mm]	Fixing thickness B ≤ [mm]	PU	Price/100 [EUR]	Order description	Article number
Anchors with steel screw with zinc-plated Cr(VI)-free coating (-V)						
14	120	50	50		SDF-S-14Ax120-V	8 591 120 430
14	140	70	50		SDF-S-14Ax140-V	8 591 140 430
14	160	90	50		SDF-S-14Ax160-V	8 591 160 430
14	180	110	50		SDF-S-14Ax180-V	8 591 180 430
14	200	130	50		SDF-S-14Ax200-V	8 591 200 430
14	220	150	50		SDF-S-14Ax220-V	8 591 220 430
14	240	170	50		SDF-S-14Ax240-V	8 591 240 430
14	260	190	50		SDF-S-14Ax260-V	8 591 260 430
14	280	210	50		SDF-S-14Ax280-V	8 591 280 430
14	300	230	50		SDF-S-14Ax300-V	8 591 300 430
14	320	250	50		SDF-S-14Ax320-V	8 591 320 430
14	340	270	50		SDF-S-14Ax340-V	8 591 340 430
14	360	290	50		SDF-S-14Ax360-V	8 591 360 430

Application Range

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

Properties

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

Note

For planning please note the characteristic load values of the approval.

Characteristic values

Drive	Hexalobular drive T40
Drill hole depth ≥ t	80 mm
Embedment depth ≥ h _v	70 mm

Characteristic loads*

Tensile load N _{Rk,0} in concrete > C12/15	8.50 kN
Brick Mz 20-1.8, NF	5.50 kN
Solid lime sand brick KS 20-2.0	6.00 kN
Solid lime sand brick KS 20-1.8	7.00 kN
Solid brick V, 3 DF	3.00 kN
Vertically perforated brick HLz, 2 DF 28-1.2	2.00 kN
Perforated lime sand brick KSL, 8 DF 16-1.4	2.50 kN
Cavity block tile made of lightweight concrete Hbl, 12 DF	2.00 kN
Aerated concrete f _b ≥ 2 N/mm ²	1.20 kN
Aerated concrete f _b ≥ 4 N/mm ²	2.50 kN
Aerated concrete f _b ≥ 6 N/mm ²	4.50 kN
Transverse load V _{Rk,s}	
Anchor with steel screw	21.7 kN
Anchor with stainless steel screw A4	25.3 kN
Bending moment M _{Rk,s}	
Anchor with steel screw	62.5 Nm
Anchor with stainless steel screw A4	72.9 Nm

*applies to temperature range 30-50 °C / 50-80 °C

EJOT® facade anchor SDF-KB-14A

with hexagon head

Ø [mm]	Anchor length L [mm]	Fixing thickness B ≤ [mm]	PU	Price/100 [EUR]	Order description	Article number
Anchor with steel screw with zinc-plated Cr(VI)-free coating (-V)						
14	80	10	50		SDF-KB-14Ax80-V	8 590 080 430
14	100	30	50		SDF-KB-14Ax100-V	8 590 100 430
Anchor with A4 stainless steel screws (-E)						
14	80	10	50		SDF-KB-14Ax80-E*	8 590 080 630
14	100	30	50		SDF-KB-14Ax100-E*	8 590 100 630

* Delivery time upon request

Application Range

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

Properties

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

Note

For planning please note the characteristic load values of the approval.

Characteristic values

Drive	Hexagon A/F17
Drill hole depth ≥ t	80 mm
Embedment depth ≥ h _v	70 mm

Characteristic loads*

Tensile load N _{Rk,0} in concrete > C12/15	8.50 kN
Brick Mz 20-1.8, NF	5.50 kN
Solid lime sand brick KS 20-2.0	6.00 kN
Solid lime sand brick KS 20-1.8	7.00 kN
Solid brick V, 3 DF	3.00 kN
Vertically perforated brick HLz, 2 DF 28-1.2	2.00 kN
Perforated lime sand brick KSL, 8 DF 16-1.4	2.50 kN
Cavity block tile made of lightweight concrete Hbl, 12 DF	2.00 kN
Aerated concrete f _b ≥ 2 N/mm ²	1.20 kN
Aerated concrete f _b ≥ 4 N/mm ²	2.50 kN
Aerated concrete f _b ≥ 6 N/mm ²	4.50 kN

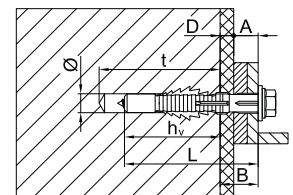
Transverse load V _{Rk,s}	
Anchor with steel screw	21.7 kN
Anchor with stainless steel screw A4	25.3 kN
Bending moment M _{Rk,s}	
Anchor with steel screw	62.5 Nm
Anchor with stainless steel screw A4	72.9 Nm

*applies to temperature range 30-50 °C / 50-80 °C

EJOT®



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Self-drilling
Screws

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Screws

Solar
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Rivets

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Anchors

Dekite®
Flashings

Self-drilling
Roof Screws
Dabo®

Stress Plates /
Flat Roofing Tube
Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
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Installation
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Accessories



NEW



T40



Approval
ETA-12/0502

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EJOT® facade anchor SDP-S-10G

with countersunk head

Ø [mm]	Anchor length L [mm]	Fixing thickness $t_{fk} \leq$ [mm]	PU	Price/100 [EUR]	Order description	Article number
Anchor with steel screw with zinc-plated Cr(VI)-free coating (-V)						
10	80	10	100		SDP-S-10Gx80-V	8 530 080 420
10	100	30	100		SDP-S-10Gx100-V	8 530 100 420
10	120	50	100		SDP-S-10Gx120-V	8 530 120 420
10	140	70	100		SDP-S-10Gx140-V	8 530 140 420
10	160	90	100		SDP-S-10Gx160-V	8 530 160 420
10	180	110	100		SDP-S-10Gx180-V	8 530 180 420
10	200	130	100		SDP-S-10Gx200-V	8 530 200 420
10	220	150	100		SDP-S-10Gx220-V	8 530 220 420
Anchor with A4 stainless steel screws (-E)						
10	80	10	100		SDP-S-10Gx80-E	8 530 080 620
10	100	30	100		SDP-S-10Gx100-E	8 530 100 620
10	120	50	100		SDP-S-10Gx120-E	8 530 120 620
10	140	70	100		SDP-S-10Gx140-E	8 530 140 620
10	160	90	100		SDP-S-10Gx160-E	8 530 160 620
10	180	110	100		SDP-S-10Gx180-E	8 530 180 620
10	200	130	100		SDP-S-10Gx200-E	8 530 200 620
10	220	150	100		SDP-S-10Gx220-E	8 530 220 620

Application area

- Fixing wood components in aerated concrete

Properties

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

Note

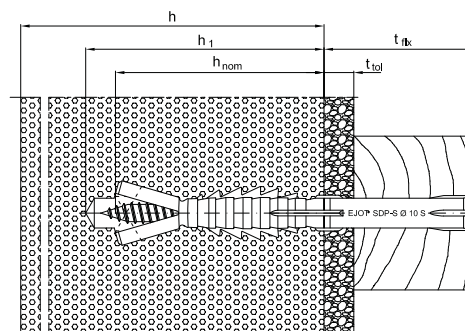
For planning and processing please note approval ETA-12/0502.

Characteristic values

Drive	Hexalobular drive T40
Drill hole depth $\geq t$	80 mm
Embedment depth $\geq h_y$	70 mm

Characteristic values

Compressive strength aerated concrete [N/mm ²]	
Aerated concrete 2	0.75 kN
Aerated concrete 3	1.31 kN
Aerated concrete 4	1.87 kN
Aerated concrete 6	3.00 kN
Partial safety factor γ_{MAAC}	2.00 kN
Characteristic bending moment	
Steel screw	17.7 Nm / γ_{Ms} 1.50
Stainless steel screw	20.6 Nm / γ_{Ms} 1.87



EJOT® facade anchor SDP-KB-10G

with hexagon head

Ø [mm]	Anchor length L [mm]	Clamping thickness t_{fix} ≤ [mm]	PU	Price/100 [EUR]	Order description	Article number
Anchor with steel screw with zinc-plated Cr(VI)-free coating (-V)						
10	80	10	100		SDP-KB-10Gx80-V	8 532 080 420
10	100	30	100		SDP-KB-10Gx100-V	8 532 100 420
10	120	50	100		SDP-KB-10Gx120-V	8 532 120 420
10	140	70	100		SDP-KB-10Gx140-V	8 532 140 420
10	160	90	100		SDP-KB-10Gx160-V	8 532 160 420
10	180	110	100		SDP-KB-10Gx180-V	8 532 180 420
10	200	130	100		SDP-KB-10Gx200-V	8 532 200 420
10	220	150	100		SDP-KB-10Gx220-V	8 532 220 420
Anchor with A4 stainless steel screws (-E)						
10	80	10	100		SDP-KB-10Gx80-E	8 532 080 620
10	100	30	100		SDP-KB-10Gx100-E	8 532 100 620
10	120	50	100		SDP-KB-10Gx120-E	8 532 120 620
10	140	70	100		SDP-KB-10Gx140-E	8 532 140 620
10	160	90	100		SDP-KB-10Gx160-E	8 532 160 620
10	180	110	100		SDP-KB-10Gx180-E	8 532 180 620
10	200	130	100		SDP-KB-10Gx200-E	8 532 200 620
10	220	150	100		SDP-KB-10Gx220-E	8 532 220 620

Application area

- Fixing metal components in aerated concrete

Properties

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

Note

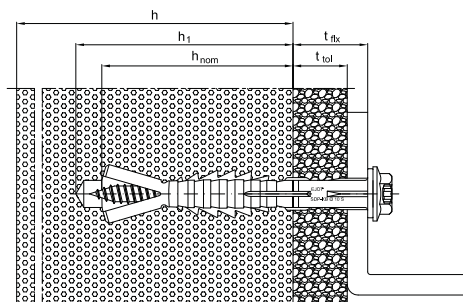
For planning and processing please note approval ETA-12/0502.

Characteristic values

Drive	AF13/T40
Drill hole depth $\geq t$	80 mm
Embedment depth $\geq h_v$	70 mm

Characteristic values

Compressive strength aerated concrete [N/mm ²]	
Aerated concrete 2	0.75 kN
Aerated concrete 3	1.31 kN
Aerated concrete 4	1.87 kN
Aerated concrete 6	3.00 kN
Partial safety factor γ_{MAAC}	2.00 kN
Characteristic bending moment	
Steel screw	17.7 Nm / γ_{Ms} 1.50
Stainless steel screw	20.6 Nm / γ_{Ms} 1.87



NEW

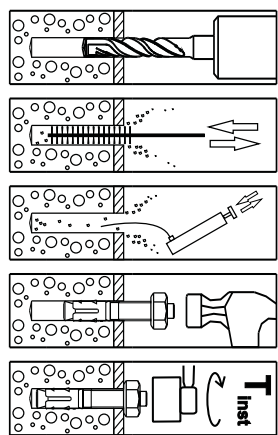


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Approval
ETA-14/0219

Cross reference	page
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Tool belt	169



EJOT® anchor bolt BA-V

Galvanized zinc-plated steel

$\varnothing d_0$ [mm]	Length L [mm]	Fixing thickness t_{fix} $\leq$ [mm]	Drill hole depth $h_1 \geq$ [mm]	Embedment depth $h_{ef} \geq$ [mm]	PU	Price/100 [EUR]	Order description	Article number
BA-V-8								
8	72	10	60	45	50		BA-V-8/10	9 650 001 112
8	92	30	60	45	50		BA-V-8/30	9 650 001 114
8	112	50	60	45	40		BA-V-8/50	9 650 001 116
8	147	85	60	45	40		BA-V-8/85	9 650 001 118
BA-V-10								
10	92	10	75	60	40		BA-V-10/10	9 650 001 132
10	102	20	75	60	25		BA-V-10/20	9 650 001 135
10	112	30	75	60	25		BA-V-10/30	9 650 001 136
10	132	50	75	60	25		BA-V-10/50	9 650 001 137
10	162	80	75	60	25		BA-V-10/80	9 650 001 139
BA-V-12								
12	103	5	90	70	20		BA-V-12/5	9 650 001 150
12	118	20	90	70	20		BA-V-12/20	9 650 001 152
12	128	30	90	70	20		BA-V-12/30	9 650 001 153
12	163	65	90	70	20		BA-V-12/65	9 650 001 155
12	178	80	90	70	20		BA-V-12/80	9 650 001 157
BA-V-16								
16	123	5	110	85	10		BA-V-16/5	9 650 001 170
16	138	20	110	85	10		BA-V-16/20	9 650 001 171
16	168	50	110	85	10		BA-V-16/50	9 650 001 173
BA-V-20								
20*	170	20	130	110	5		BA-V-20/20	9 650 000 180
20*	220	70	130	110	5		BA-V-20/70	9 650 000 182

Order information: Further lengths upon request.
*Not part of the ETA

Application area

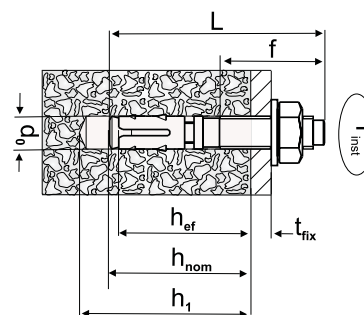
- For embedment in cracked and non-cracked concrete $\geq C20/25$

Properties

- Galvanized zinc-plated steel
- Approval for concrete, option I
- Fire-resistance classes F30, F60, F90, F120

Note

Characteristic values apply to the compression strength of C20/25 concrete. Design load of an anchor for central tension in cracked concrete.



Type of anchor	Design load F_{per} [kN]	Centre distance [mm]			Edge distance [mm]			Permissible bending moment [Nm]	Clamp load MD [Nm]
		$S_{cr,N}$	S min	C	$C_{cr,N}$	C min	S		
BA-V-8	2.0	135	50	50	68	50	50	10.0	20
BA-V-10	3.6	180	55	80	90	50	100	22.9	35
BA-V-12	4.8	210	60	90	105	55	145	34.3	50
BA-V-16	9.5	255	70	120	128	85	150	88.6	120

EJOT® anchor bolt BA-F

Hot dip zinc plated steel

$\varnothing d_0$ [mm]	Length L [mm]	Fixing thickness t_{fix} ≤ [mm]	Drill hole depth h_1 ≥ [mm]	Embedment depth h_{ef} ≥ [mm]	PU	Price/100 [EUR]	Order description	Article number
BA-F-8								
8	72	10	60	45	50		BA-F-8/10	9 650 003 112
8	92	30	60	45	50		BA-F-8/30	9 650 003 114
8	112	50	60	45	40		BA-F-8/50	9 650 003 116
8	147	85	60	45	40		BA-F-8/85	9 650 003 118
BA-F-10								
10	92	10	75	60	40		BA-F-10/10	9 650 003 132
10	102	20	75	60	25		BA-F-10/20	9 650 003 135
10	112	30	75	60	25		BA-F-10/30	9 650 003 136
10	132	50	75	60	25		BA-F-10/50	9 650 003 137
10	162	80	75	60	25		BA-F-10/80	9 650 003 139
BA-F-12								
12	103	5	90	70	20		BA-F-12/5	9 650 003 150
12	118	20	90	70	20		BA-F-12/20	9 650 003 152
12	128	30	90	70	20		BA-F-12/30	9 650 003 153
12	163	65	90	70	20		BA-F-12/65	9 650 003 155
12	178	80	90	70	20		BA-F-12/80	9 650 003 157
BA-F-16								
16	123	5	110	85	10		BA-F-16/5	9 650 003 170
16	138	20	110	85	10		BA-F-16/20	9 650 003 171
16	168	50	110	85	10		BA-F-16/50	9 650 003 173
BA-F-20								
20*	170	20	130	110	5		BA-F-20/20	9 650 002 180
20*	220	70	130	110	5		BA-F-20/70	9 650 002 182

Order information: Further lengths upon request.

*Not part of the ETA

Application area

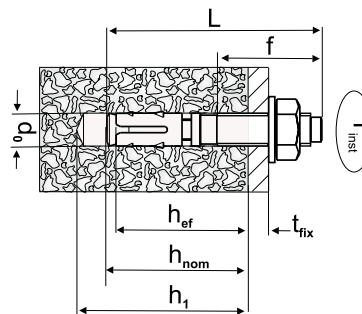
- For embedment in cracked and non-cracked concrete ≥ C20/25
- For embedment of medium heavy to heavy fixings indoors, such as pillars, metal structures and wooden structures

Properties

- Hot dip zinc plated steel
- Approval for concrete, option I
- Fire-resistance classes F30, F60, F90, F120
- for increased corrosion protection

Note

Characteristic values apply to the compression strength of C20/25 concrete. Design load of an anchor for central tension in cracked concrete.

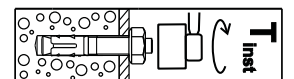
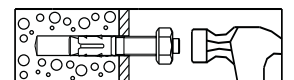
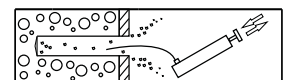
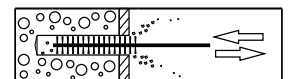
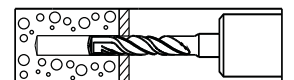


NEW



Approval
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Type of anchor	Design load F_{per} [kN]	Centre distance [mm]			Edge distance [mm]			Permissible bending moment [Nm]	Clamp load MD [Nm]
		$S_{cr,N}$	S min	C	$C_{cr,N}$	C min	S		
BA-F-8	2.0	135	50	50	68	50	50	10.0	15
BA-F-10	3.6	180	55	80	90	50	100	22.9	35
BA-F-12	4.8	210	60	90	105	55	145	34.3	50
BA-F-16	9.5	255	70	120	128	85	150	88.6	120

Self-drilling
ScrewsSelf-tapping
ScrewsSolar
FastenersStorm
WashersSpecial
Screws

Rivets

Direct
FasteningScaffolding
AnchorsDekite®
FlashingsSelf-drilling
Roof Screws
Dabo®Stress Plates /
Flat Roofing Tube
Washers / AnchorsConcrete Screws /
Aerated
Concrete ScrewsAnchor and
installation
technologyInstallation
Tools

Accessories

i

EJOT®

Anchors and Installation Technology

Anchor Bolts

**NEW**

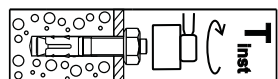
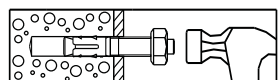
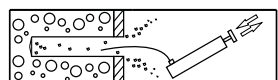
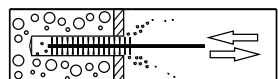
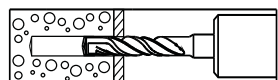
Approval

ETA-14/0219

Cross reference

page

Cleaning brush	176
Blow-out pump	176
Tool belt.....	169



EJOT® anchor bolt BA-E

stainless steel A4 (stainless steel A5 on request)

$\varnothing d_0$ [mm]	Length L [mm]	Fixing thickness t_{fix} $\leq$ [mm]	Drill hole depth $h_1 \geq$ [mm]	Embedment depth $h_{ef} \geq$ [mm]	PU	Price/100 [EUR]	Order description	Article number
BA-E-6								
6*	65	15	50	35	100		BA-E-6/15	9 650 004 102
BA-E-8								
8	72	10	60	45	50		BA-E-8/10	9 650 005 112
8	112	50	60	45	40		BA-E-8/50	9 650 005 116
BA-E-10								
10	92	10	75	60	40		BA-E-10/10	9 650 005 132
10	112	30	75	60	25		BA-E-10/30	9 650 005 136
10	132	50	75	60	25		BA-E-10/50	9 650 005 138
BA-E-12								
12	103	5	90	70	20		BA-E-12/5	9 650 005 150
12	118	20	90	70	20		BA-E-12/20	9 650 005 152
12	128	30	90	70	20		BA-E-12/30	9 650 005 154
BA-E-16								
16	168	50	110	85	10		BA-E-16/50	9 650 005 172
Order information: Further lengths upon request.								
*Not part of the ETA								

Application area

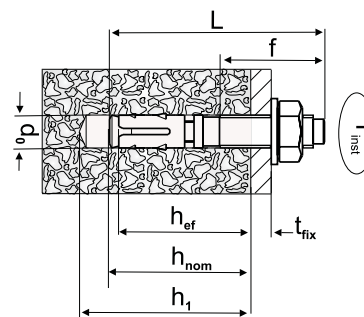
- For embedment in cracked and non-cracked concrete $\geq$ C20/25
- HCR (1.4529) anchor for embedment in chlorinated atmosphere available upon request

Properties

- A4 stainless steel
- Approval for concrete, option I
- Fire-resistance classes F30, F60, F90, F120

Note

Characteristic values apply to the compression strength of C20/25 concrete. Design load of an anchor for central tension in cracked concrete.



Type of anchor	Design load F_{per} [kN]	Centre distance [mm]			Edge distance [mm]			Permissible bending moment [Nm]	Clamp load MD [Nm]
		$S_{cr,N}$	S min	C	$C_{cr,N}$	C min	S		
BA-E-8	2.0	135	50	50	68	50	50	10.5	20
BA-E-10	3.6	180	55	80	90	50	100	21.4	35
BA-E-12	4.8	210	60	90	105	55	145	37.6	70
BA-E-16	9.5	255	70	120	128	85	150	95.2	120

EJOT® nail anchor ND-K

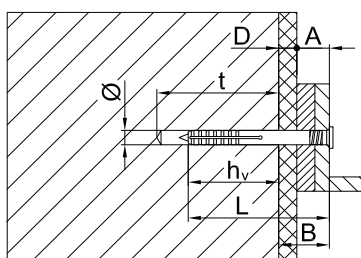
Ø [mm]	Anchor length L [mm]	Clamping thickness B ≤ [mm]	PU	Price/100 [EUR]	Order description	Article number
ND-K-6						
6	35	5	100		ND-K-6x35	8 561 635 400
6	45	15	100		ND-K-6x45	8 561 645 400
6	55	25	100		ND-K-6x55	8 561 655 400
6	70	40	100		ND-K-6x70	8 561 670 400
ND-K-8						
8	60	15	50		ND-K-8x60	8 561 860 400
8	75	35	50		ND-K-8x75	8 561 875 400
8	100	55	50		ND-K-8x100	8 561 800 400

Application area

- For easy and quick installation
- For light and constructional fastening

Properties

- Zinc-plated steel
- With pre-assembled special nail
- For all pressure-resistant building materials
- Easy to remove



Type of Anchor	Drive	Recommended work load [kN]			Drill hole depth ≥ t [mm]	Embedment depth ≥ h _v [mm]
		Concrete	Solid brick	Perforated brick		
ND-K-6	H2 cross-head	0.30	0.25	0.25	40	30
ND-K-8	H2 cross-head	0.40	0.30	0.30	55	45



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Screws

Self-tapping
Screws

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Anchor and
installation
technology

Installation
Tools

Accessories



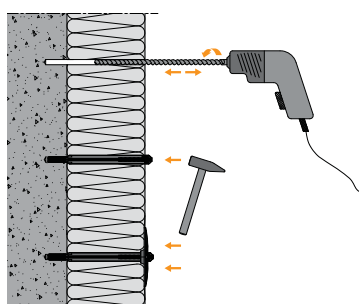
EJOT® insulation support anchor DH

Ø shaft [mm]	Ø washer [mm]	Insulation thickness ≤ mm	PU	Price/100 [EUR]	Order description	Article number
Washer only						
-	90	-	300		Washer DH	8 550 090 999
Shaft only						
8	-	60	300		Shaft DH 60	8 550 060 999
8	-	80	300		Shaft DH 80	8 550 080 999
8	-	100	300		Shaft DH 100	8 550 100 999
8	-	120	300		Shaft DH 120	8 550 120 999
8	-	140	300		Shaft DH 140	8 550 140 999
8	-	160	300		Shaft DH 160	8 550 160 999
8	-	180	300		Shaft DH 180	8 550 180 999
8	-	200	300		Shaft DH 200	8 550 200 999
8	-	220	300		Shaft DH 220	8 550 220 999
8	-	240	300		Shaft DH 240	8 550 240 999
8	-	260	300		Shaft DH 260	8 550 260 999
8	-	280	300		Shaft DH 280	8 550 280 999
8	-	300	300		Shaft DH 300	8 550 300 999
Set, comprised of washer and shaft						
8	90	40	300		DH-40 (one-part)	8 551 906 009
8	90	60	300		Set DH-60	8 550 060 009
8	90	80	300		Set DH-80	8 550 080 009
8	90	100	300		Set DH-100	8 550 100 009
8	90	120	300		Set DH-120	8 550 120 009
8	90	140	300		Set DH-140	8 550 140 009
8	90	160	300		Set DH-160	8 550 160 009
8	90	180	300		Set DH-180	8 550 180 009
8	90	200	300		Set DH-200	8 550 200 009
8	90	220	300		Set DH-220	8 550 220 009
8	90	240	300		Set DH-240	8 550 240 009
8	90	260	300		Set DH-260	8 550 260 009
8	90	280	300		Set DH-280	8 550 280 009
8	90	300	300		Set DH-300	8 550 300 009



Values determined by the Passivhaus Institute

Cross reference	page
Installation point.....	169
Tool belt.....	169



Wall embedment
Single-ply insulation

Application area

- For fixing insulating material in the rear ventilated facade (VHF) to all substrates.

Advantages:

- Prevents "quilt effect" (indentations in the insulation) with retrofitting of the washer
- Prevents gaping of the joints between the individual insulating panels at the joining edges
- Packing and handling volume is reduced by over 60% compared to one-part insulation support anchors
- Installation depth limiter guarantees defined installation independent of the substrate
- Process reliable installation even with thick insulation boards

Properties

- Requirement: 5 pcs. per m²
- Easy installation with no additional expansion element
- Parts can be positioned freely on the shaft
- All-purpose for all building materials

Note

For the installation of two-part insulation additional stress plates are required. The practicability depends on the respective insulation properties and needs to be tested on site.

Characteristic values	
Drill bit diameter	8 mm
Drill hole depth ≥ t	40 mm
Embedment depth ≥ h _y	30 mm
Point thermal transmittance	0.0001 W/K
Carrying capacity (pull over washer)	0.2 kN

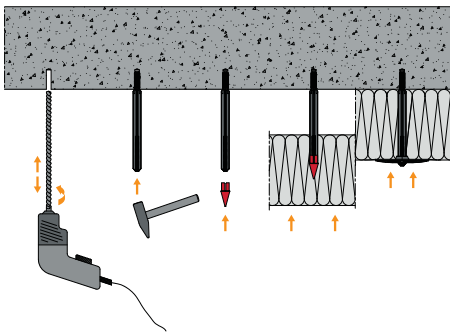
EJOT® installation point

for DH insulation support anchor

Order description	PU	Price/100 [EUR]	Article number
Installation point for DH	10		8 550 000 031

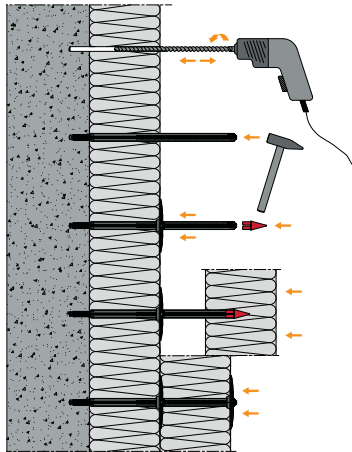
Application area

- Installation tool for ceiling insulation, lintels and two-part insulation
- Attaches to the DH insulation support anchor



Ceiling embedment

Single-ply insulation with installation point



Wall embedment

Two-ply insulation with installation point

NEW



Cross reference

page

DH insulation support anchor 168



EJOT® tool belt

Order description	PU	Price/1 [EUR]	Article number
Tool belt	1		9 150 000 001

Application area

- For ergonomic installation of DH insulation support anchor, facade anchors and anchor bolts



NEW



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Anchors and
Installation
Technology

Installation
Tools

Accessories





Test certificate
P-3444/7404-MPA BS



EJOT® metal insulation support anchor DMH

Ø shaft [mm]	Ø washer [mm]	Anchor length L [mm]	Insulation thickness B ≤ [mm]	PU	Price/100 [EUR]	Order description	Article number
Alu-zinc steel							
8	35	80	40	250		DMH-8x80-V	9 700 030 301
8	35	110	70	250		DMH-8x110-V	9 700 030 602
8	35	140	100	250		DMH-8x140-V	9 700 030 603
8	35	170	130	250		DMH-8x170-V	9 700 030 912
8	35	200	160	250		DMH-8x200-V	9 700 031 215
8	35	250	210	200		DMH-8x250-V	9 700 031 520
8	35	300	260	200		DMH-8x300-V	9 700 031 300
A2 stainless steel							
8	35	80	40	250		DMH-8x80-E	9 700 030 302
8	35	110	70	250		DMH-8x110-E	9 700 033 603
8	35	140	100	250		DMH-8x140-E	9 700 036 904
8	35	170	130	250		DMH-8x170-E	9 700 035 912
8	35	200	160	250		DMH-8x200-E	9 700 035 215
8	35	250	210	200		DMH-8x250-E	9 700 035 520
8	35	300	260	200		DMH-8x300-E	9 700 035 300

Application area

- For fastening hard insulating materials in combination with the EJOT® DMT metal insulation stress plate and also for soft insulating materials.
- Fixing insulating materials for high fire protection requirements (cellar ceiling insulation, insulation close to escape routes)

Properties

- Easy installation by striking in, self-expanding
- No pre-drilling required for aerated concrete
- Easy installation

Note

The EJOT® insulation support anchors are used to fasten soft and hard insulating material in rear ventilated facades. For soft insulation, such as rock or mineral wool, it needs to be considered that the plate diameter is at least 80 mm. The insulation board fastening is carried-out according to DIN 18516-1.

Characteristic values

Drill bit diameter	8 mm
Drill hole depth ≥ t	60 mm
Embedment depth ≥ h _v	40 mm

EJOT® metal insulation stress plate DMT

for combination with DMH metal insulation support anchor

Ø [mm]	PU	Price/100 [EUR]	Order description	Article number
Alu-zinc steel				
80	250		DMT-80-V	9 700 030 156
A2 stainless steel				
80	250		DMT-80-E	9 700 030 157

Application area

- For fastening soft insulating materials in combination with the EJOT® DMH metal insulation support anchor
- Fixing soft insulating materials for high fire protection requirements

EJOT® cavity wall repair anchor VSD

for double-sheet masonry

Ø mm	Length l _d mm	Distance a _z mm	PU	Price/100 [EUR]	Order description	Article number
Anchor with steel screw with zinc-plated Cr(VI)-free coating (-V)						
8	205	0 - 20	100		VSD-8Ux205-V	8 765 205 400
8	225	20 - 40	100		VSD-8Ux225-V	8 765 225 400
8	245	40 - 60	100		VSD-8Ux245-V	8 765 245 400
8	265	60 - 80	100		VSD-8Ux265-V	8 765 265 400
8	285	80 - 100	100		VSD-8Ux285-V	8 765 285 400
8	305	100 - 120	100		VSD-8Ux305-V	8 765 305 400
Anchor with A4 stainless steel screws (-E)						
8	205	0 - 20	100		VSD-8Ux205-E	8 765 205 600
8	225	20 - 40	100		VSD-8Ux225-E	8 765 225 600
8	245	40 - 60	100		VSD-8Ux245-E	8 765 245 600
8	265	60 - 80	100		VSD-8Ux265-E	8 765 265 600
8	285	80 - 100	100		VSD-8Ux285-E	8 765 285 600
8	305	100 - 120	100		VSD-8Ux305-E	8 765 305 600

Application area

- For fast and adhesive-free subsequent installation of curtain walls.
- For load-bearing shells made of concrete, solid brick and perforated brick

Properties

- Building authorities approved anchor for subsequent installation of curtain walls
- Double expansion wall anchor: simultaneous embedment in load-bearing wall and outer leaf
- Clean and fast installation (no mortar required)
- Universal expansion zone: secure installation into concrete load-bearing shells, solid and perforated brick
- The use of A4 stainless steel screws guarantees corrosion protection
- 100% installation control
- Temperature-independent installation
- Can be installed at 0°C

Technical Data

Embedment depth h _{ef}	≥ 70 mm
Drill hole depth t _s	≥ l _d + 10 mm
Nominal drill diameter	8 mm
Minimum thickness of the outer sheet	115 mm
Drive	Hexalobular drive T30

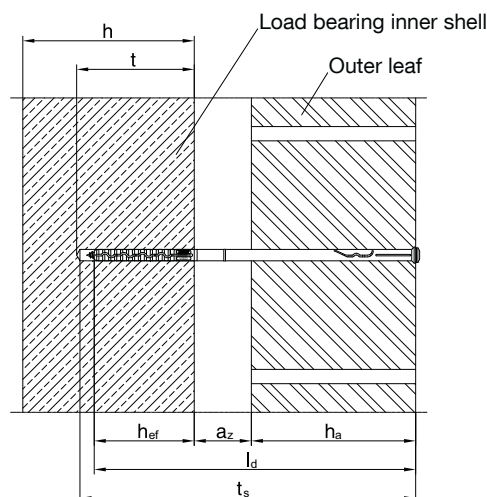
Note

The EJOT® VSD double expansion wall anchor enables the subsequent renovation of double-leaf masonry.

Advanced corrosion or a complete lack of wire anchors can lead to decreased stability of the outer leaf and possibly cause considerable physical injury.

In particular curtain walls made before 1979 should be subject to further inspection.

When renovating the outer facade the stability of the curtain wall must be verified. The EJOT® VSD is a particularly cost-effective solution for subsequent installation between load-bearing shell and outer leaf.



Approval
Z-21.2-1652

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Blow-out pump	176



Approval

ETA-15/0342
ETA 15/0287

Cross reference

page

Cross reference	page
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Mesh sleeve	175
Cleaning brush	176
Blow-out pump	176
Applicator gun	176

EJOT® Injection resin Multifix PSF

Polyester based Injection resin, styrene free

Content [mm]	Composite mortar	PU	Price/1 [EUR]	Order description	Article number
410	Polyester, styrene free			EJOT Multifix PSF	9 570 000 410
Order information: Also available in 300 ml.					

Application area

- Suitable for masonry blocks
- Approval for threaded rods in concrete: M8, M10, M12, M16
hollow masonry: M10

Description

Two-component injection chemical anchor based on polyester resin without styrene and low odor.

Characteristics

- For medium loads
- Good durability
- Without styrene, low odor
- Ideal for indoor and outdoor applications
- Fast curing
- Universal purpose
- Suitable also for colder environments

Certification

- ETA-15/0342 for Masonry
- ETA 15/0287 for Concrete Option 7
- VOC classification A+

Note

For details/questions please check with technical department

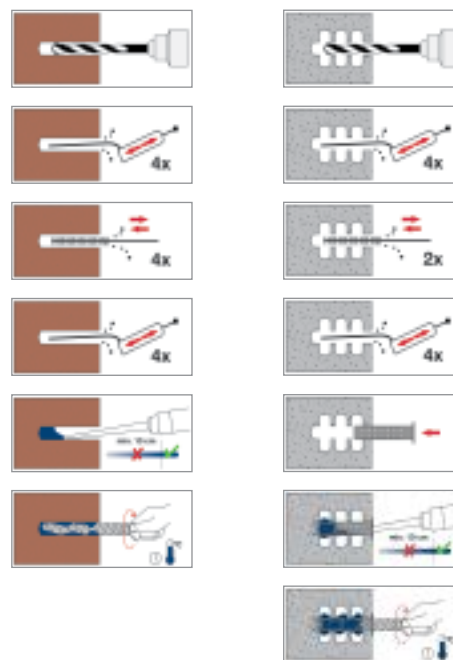
Working and hardening times

			
-10*	50'	4h	8h
-5	40'	3h	6h
5	20'	1h30'	3h
15	9'	1h	2h
25	5'	30'	1h
35	3'	20'	40'

*Resin temperature must be at least 20 °C

Full cure 24 hours

All specifications based on supplied mixer



EJOT® Injection resin Multifix VSF

Vinylester, styrene free

Content [mm]	Composite mortar	PU	Price/1 [EUR]	Order description	Article number
410	Vinylester, styrene free			EJOT Multifix VSF	9 571 000 410
Order information: Also available in 300 ml.					

Application area

- Suitable to anchor threaded rods and rebar in cracked and non-cracked concrete.
- Approval for threaded rods M8, M10, M12, M16, M20, M24
- Approval for rebar Ø 8, 10, 12, 14, 16, 20, 25 mm

Description

Two-component injection chemical anchor based on vinylester resin without styrene and low odor.

Characteristics

- For high and critical loads
- High durability
- Without styrene, low odor
- Ideal for indoor and outdoor applications
- Fast curing
- Suitable for underwater applications
- Dynamic resistance
- Fire rated
- For use with potable water

Certification

- ETA 15/0282 for Concrete Option 1 and Rebar
- VOC classification A+
- BS6920 Approved

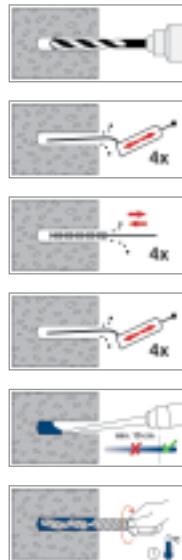
Note

For details/questions please check with technical department

Working and hardening times

-10*	50'	4h	8h	
-5	40'	3h	6h	
5	20'	1h30'	3h	
15	9'	1h	2h	
25	5'	30'	1h	
35	3'	20'	40'	

*Resin temperature must be at least 20 °C
Full cure 24 hours
All specifications based on supplied mixer



EJOT

NEW



Approval
ETA 15/0282

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Self-drilling
Screws

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Aerated
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Anchors and
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Technology

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Accessories





Approval
ETA-13/0918

Cross reference	page
-----------------	------

Anchor rod	175
Mesh sleeve	175
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Blow-out pump	176
Applicator gun	176



EJOT® Injection resin Super Epoxy SE 800

Pure Epoxy Injection Mortar

Content [mm]	Composite mortar	PU	Price/1 [EUR]	Order description	Article number
400	Pure epoxy			EJOT Super Epoxy SE 800	9 570 000 400

Application area

- Suitable for stone, rod and rebar connection
- Approval for threaded rods M8, M10, M12, M16, M20
- Approval for rebar Ø 8 – Ø 32 mm

Description

Two component injection chemical anchor based on pure epoxy resin for high performance and structural applications.

Characteristics

- For high loads
- No shrinkage
- Useable in wet and flooded environments
- High chemical and temperature resistance
- Useable with diamond drilled holes
- Dynamic and long term loads resistance
- Fire resistance classification
- Suitable for warmer/hot regions

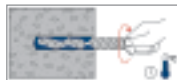
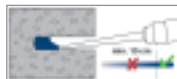
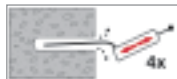
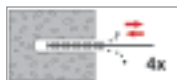
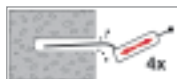
Certification

- ETA 13/0918
- VOC classification A+

Working and hardening times

			
5	1h	33h	50h
10	50'	24h	36h
20	30'	6h	9h
30	15'	4h	6h
40	8'	3h	4h

Minimum resin temperature for injection: +10 °C
Minimum concrete temperature for injection: +5 °C



Anchor rod AST

approved for polyester and vinyl ester composite mortar

Thread	Length [mm]	min. embedment depth in concrete [mm]	min. embedment depth in solid brick [mm]	Drill hole diameter Concrete/solid brick [mm]	PU	Price/100 [EUR]	Order description	Article number
Zinc-plated steel								
M8	110	60	80	10	10		AST M8x110-V	9 570 098 110
M10	130	70	85	12	10		AST M10x130-V	9 570 910 130
M12	160	80	95	14	10		AST M12x160-V	9 570 912 160
M16	190	100	-	18	10		AST M16x190-V*	9 570 916 190
A4 stainless steel								
M8	110	60	80	10	10		AST M8x110-E	9 571 098 110
M10	130	70	85	12	10		AST M10x130-E	9 571 910 130
M12	160	80	95	14	10		AST M12x160-E	9 571 912 160
M16	190	100	-	18	10		AST M16x190-E*	9 571 916 190

*No approval for embedment in solid brick masonry
Order information: Further lengths and threads upon request.

Application area

- For embedment in concrete and solid brick
- For installation in perforated brick in connection with mesh sleeve

Properties AST steel

- Anchor rod: strength grade 5.8 or 6.8 acc. to EN ISO 898-1
- Nut: strength grade 5 or 6 acc. to EN 20898-2
- Washer: acc. to EN ISO 7089

Properties AST stainless steel A4

(1.4401 / 1.4571)

- Anchor rod: EN 10088; strength grade 70 (A4-70) acc. to EN ISO 3506
- Nut: EN 10088; strength grade 70 (A4-70) acc. to EN ISO 3506
- Washer: acc. to EN 10088

Note

To determine the characteristic load-carrying capacity in concrete the approval **ETA-15/0287** has to be considered. To determine the characteristic load-carrying capacity in masonry the approval **ETA-15/0342** has to be considered.

Sleeves

Drill-hole diameter [mm]	Hole depth t ≤ mm	for threaded rod	PU	Price/10 [EUR]	Order description	Article number
12	55	M8	10		Sleeve 12x50	9 570 012 050
12	85	M8	10		Sleeve 12x80	9 570 012 080
16	90	M10	10		Sleeve 16x85	9 570 016 085
16	135	M10	10		Sleeve 16x130	9 570 016 130
20	90	M12	10		Sleeve 20x85	9 570 020 085

Application area

- Indispensable for hollow masonry applications.

Characteristics

- Once the resin has been injected, the cap holds the fixing centered.

Note

For approved combinations ETA-15/0342 has to be considered.



Self-drilling Screws

Self-tapping Screws

Solar Fasteners

Storm Washers

Special Screws

Rivets

Direct Fastening

Scaffolding Anchors

Deklite® Flashings

Self-drilling Roof Screws Dabo®

Stress Plates / Flat Roofing Tube Washers / Anchors

Concrete Screws / Aerated Concrete Screws

Anchors and Installation Technology

Installation Tools

Accessories





Applicator Gun

Order description	PU	Price/1 [EUR]	Article number
Applicator Gun 300 ml	1		9 570 010 300
Applicator Gun 400 ml (SE 800)	1		9 570 010 400
Applicator Gun 410 ml	1		9 570 001 410

Cleaning brush

Order description	for drill-hole diameter [mm]	PU	Price/1 [EUR]	Article number
Cleaning brush 8	8	1		9 150 300 008
Cleaning brush 10	10	1		9 150 300 010
Cleaning brush 12	12	1		9 150 300 012
Cleaning brush 14	14	1		9 150 300 014
Cleaning brush 16	16	1		9 150 300 016
Cleaning brush 18	18	1		9 150 300 018
Cleaning brush 20	20	1		9 150 300 020

Application area

- For cleaning the drill hole in concrete and masonry

Advantages:

- Easy handling
- High cleaning effect
- Robust design

EJOT® blow-out pump

Order description	PU	Price/1 [EUR]	Article number
Blow-out pump	1		9 150 300 000

Application Range

- For cleaning drill holes in concrete and solid brick masonry

Advantages:

- Easy handling
- High cleaning effect
- All-purpose







Installation Tools

Power Tools



Nibbler BLK 2.0 E

Order description	PU	Price/1 [EUR]	Article number
Nibbler BLK 2.0 E	1		9 559 920 000

Accessories

Order description	PU	Price/1 [EUR]	Article number
Die for nibbler BLK 2.0 E	1		9 559 920 001
Punch for nibbler BLK 2.0 E	1		9 559 920 002
Punch set for nibbler BLK 2.0 E	1		9 559 920 003

Included in delivery

1 Nibbler BLK 2.0 E
1 die-plate carrier
1 die
1 punch

Application Range

- Compact nibbler with unlimited curve mobility for corners and edges
- Up to 2.0 mm

Properties

- High curve mobility due to special die plate geometry. Nibbler can be turned in place.
- Outstanding suitability for cutting folded sheet metal with a minimum bend radius of 3 mm
- In 45° steps variable by 360° adjustable cutting direction due to no-tool rotatable die-plate support
- QuickIN quick change system
- Optimum handling
- Motor with outstanding performance and service life
- Ideal for cut-outs
- Suitable for stencil cut
- Swarf protection grid at the ventilation slits
- 5 metre cable
- Stainless steel up to 1.0 mm

Technical Data

Power consumption	350 W
Power output	210 W
Stroke rate	1 000 rpm
Cutting speed	1 m/min
Cable with plug	5 m
Weight acc. to EPTA	1.8 kg
Steel up to 400 N/mm ²	2.0 mm
Steel up to 600 N/mm ²	1.5 mm
Steel up to 800 N/mm ²	1.0 mm
Nonferrous metal up to 250 N/mm ²	2.5 mm
Plastic material	2.5 mm
Immersion Ø	with die plate 18 mm
Cutting line width	8 mm
Radius of the smallest curve (inside/outside)	4/0 mm



Installation Tools

Power Tools

EJOT®

Battery powered nibbler ABLK 1.6 E

14.4 V / 3.0 Ah

Order description	PU	Price/1 [EUR]	Article number
Battery powered nibbler ABLK 1.6 E	1		9 152 400 000

Accessories

Order description	PU	Price/1 [EUR]	Article number
Spare battery 3.0 Ah for ABLK 1.6 E, 14.4 V	1		9 152 300 001
Rapid charger ALG 30	1		9 154 200 006
Die for ABLK 1.6 E	1		9 152 400 001
Punch for ABLK 1.6 E	1		9 152 400 002
Profile set 160 for ABLK 1.6 E (for trapezoidal sheets with deep stiffening corrugations 85 - 160 mm incl. punch and die)	1		9 152 400 003
Die for profile set 160	1		9 152 400 004
Punch for profile set 160	1		9 152 400 005
Wear plate for profile set 160	1		9 152 400 006
Die-plate carrier for profile set 160	1		9 152 400 007

Application Range

- Universal nibbler for trapezoidal and sinusoidal sheet as well as profiles and sheet metal
- Up to 1.6 mm

Properties

- Cutting performance 30 m in 0.8 mm trapezoidal profiled sheet with one battery
- 2.3 m/min cutting speed for outstanding work progress
- Variable cutting speed due to electronically adjustable number of strokes
- Short-term overlapping 2.6 mm
- Optimum handling due to extremely small gear head
- Over 1,000 recharge cycles per battery pack
- Light weight of only 2.1 kg
- QuickIN quick change system
- Rotating die for up to 30 % longer service life
- Proven MultiMaster Motor with outstanding performance and service life
- In 45° steps variable by 360° adjustable cutting direction due to no-tool rotatable die-plate support
- Low operating costs. Die and die-plate are exchanged independently.

Technical Data

Battery voltage	14.4 V
Battery capacity	3.0 Ah
Stroke rate	1 300 1/min
Cutting speed	1.5 m/min
Weight acc. to EPTA	2.1 kg
Steel up to 400 N/mm ²	1.6 mm
Steel up to 600 N/mm ²	1.0 mm
Steel up to 800 N/mm ²	0.7 mm
Nonferrous metal up to 250 N/mm ²	2.5 mm
Cutting line width	5 mm
Dipping Ø with die 24 mm	22 mm
Radius of the smallest curve (inside/outside)	30/35 mm



Included in delivery

- 1 ABLK 1.6 E in plastic tool case
- 1 rapid charger ALG 50
- 2 battery packs (Li-Ion)
- 1 die-plate carrier for trapezoidal and sinusoidal sheet
- 1 punch
- 1 die



Self-drilling
Screws

Self-tapping
Screws

Solar
Fasteners

Storm
Washers

Special
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Rivets

Direct
Fastening

Scaffolding
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Self-drilling
Roof Screws
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Stress Plates /
Flat Roofing Tube
Washers / Anchors

Concrete Screws /
Aerated
Concrete Screws

Anchors and
Installation
Technology

Installation
tools

Accessories



Installation Tools

Power Tools



Included in delivery

- 1 Slitting shears BSS 1.6 C
- 1 cutting knife, straight, up to 1.6 mm
- 1 pair of cutting dies
- 1 key

Slittin shears BSS 1.6 C

Order description	PU	Price/1 [EUR]	Article number
Slittin shears BSS 1.6 C	1		9 559 966 000

Accessories

Order description	Sheet thickness [mm]	PU	Price/1 [EUR]	Article number
Cutting knife for sheet steel up to 400 N/mm²	1.0	1		9 559 966 001
Cutting knife for stainless steel up to 800 N/mm²	0.8	1		9 559 966 002
Curve cutting knife for sheet steel up to 400 N/mm²	1.0	1		9 559 966 003
Parallel stop	-	1		9 559 966 004
Cutting dies	-	1		9 559 966 005
Cutting paste	-	1		9 559 966 006

Application Range

- Handy slitting shears, suitable for bends, with integrated swarf cutter
- Up to 1.6 mm

Properties

- Swarf cutter for cutting the swarf at any position
- Left and right curved cut as well as distortion-free cutting possible with just one continuous chip
- Fast work progress due to excellent view of the cut through open cutting head
- Excellent ergonomics and low weight
- Motor with outstanding performance and service life
- Cutting blade with excellent service life
- 5 metre cable
- Clean swarf removal prevents scratching on the work piece and injuries
- Stainless steel up to 1.2 mm

Technical Data

Power consumption	350 W
Power output	210 W
Stroke rate	3 800 rpm
Cutting speed	6 - 10 m/min
Cable with plug	5 m
Weight acc. to EPTA	1.4 kg
Steel up to 400 N/mm ²	1.6 mm
Steel up to 600 N/mm ²	1.2 mm
Steel up to 800 N/mm ²	0.8 mm
Nonferrous metal up to 250 N/mm ²	2.0 mm
Cutting width	5.0 mm
Radius of the smallest curve	90 (30) ¹ mm
Immersion diameter	15 (8) ¹ mm

¹ with curve knife

EJOT® riveting tool

14.4 V / 1.4 Ah / 2.8 Ah

Order description	Application range up to Ø [mm]	Tensile force [kN]	Battery capacity [Ah]	PU	Price/1 [EUR]	Article number
EJOT® riveting tool 1.4 Ah	2.4 - 5.2	12	1.4	1		7 152 266 001
EJOT® riveting tool 2.8 Ah	2.4 - 5.2	12	2.8	1		7 152 266 003

Accessories

Order description	PU	Price/1 [EUR]	Article number
Thrust bearing	1		7 152 266 002
Quick exchange battery 14.4 V / 1.4 Ah	1		7 152 266 011
Quick exchange battery 14.4 V / 2.8 Ah	1		7 152 266 012
Mandrel container	1		7 152 266 025
Pressure spring	1		7 152 266 021
Battery charger	1		7 152 266 030
Chuck jaws set	1		7 152 266 019
Nosepiece C - 40 mm	1		7 152 266 015
Nosepiece D - 4.8-5.0 mm	1		7 152 266 016
Nosepiece E - 4.8 mm	1		7 152 266 032
Nosepiece F - 4.8 mm	1		7 152 266 033
Nosepiece G - 4.8-5.0 mm - K11/K14 (articulated jointed nosepiece)	1		7 152 266 034
Nose piece I - 5.2 mm - bulbtite rivet	1		7 152 266 036

Application Range

- Area of operation Ø 2.4 – 5.2 mm
- All materials

Advantages

- Cordless
- Easy handling

Properties

- Equipment safety according to EU guide-lines no. 2006/42/EG

Technical Data

Weight without battery	1.90 kg
Dimensions L x H	306 x 285 mm
Material	ABS
Stroke	20 mm
Tensile force	12,000 N
Nozzle intake	Ø 23.5 mm



Included in delivery

- 1 riveting tool
- 1 set of nosepieces C, D, E, F
- 1 quick exchange battery
- 1 rapid charger
- 1 wrench AF12
- 1 plastic transport box
- 1 holding nosepiece M

Cross reference

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Rivets 112

Installation Tools

Power Tools



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Included in delivery

1 installation tool
(incl. screwgun, socket/bit and
depth control)
1 tool kit
1 spray oil
1 operating manual

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Stress plate HTV 82/40	139
Stress plate HTV 82/40 TK	140
Dabo® screw SW 8 RT-4.8	134
Dabo® screw TKR-4.8	135
Dabo® screw TKE-4.8	138



EJOT® installation tool ECOset

for Dabo® screws up to 160 mm length

Order description	PU	Price/1 [EUR]	Article number
EJOT® installation tool EC0set (18-V drive)	1		9 153 100 000
EJOT® installation tool EC0set (220-V drive)	1		9 151 100 000

Accessories

Order description	PU	Price/1 [EUR]	Article number
Bit PH 2 - 1/4" x 30	1		9 150 006 000
Spray oil 100 ml	1		9 150 911 000
Socket AF 8 - 1/4" x 30	1		9 150 315 001
Transport box	1		9 151 106 000
Tool kit	1		9 151 104 000
Spare battery 4.0 Ah	1		9 154 200 005
Rapid charger ALG 30	1		9 154 200 006

Application Range

- For efficient fastening of belted EJOT Dabo® screws up to 160 mm length with EJOT® HTV 82/40 stress plate
- Modification for TKR/HTV 82/40 TK combination on request

Advantages

- Up to 5 times higher fastening performance compared to conventional fastening solutions
- Fatigue-free working in upright position with consistently high installation performance
- Highest grade of reliability: EJOT Dabo® screw is always fastened at right angles to the roof surface

Properties

- Suitable for building sites, robust design
- Screw and stress plate fed automatically
- Due to the depth control screws can not be overwound
- Stress plate collator capacity 100 washers
- Dabo collator capacity 75 screws
- Depth control for exact adjustment of the installation depth
- Protective insulation / interference-free

Technical Data (18 V drive)

Battery voltage	18 V
Battery capacity	4.0 Ah
Load speed	0-1500 rpm
Idle speed	0-1700 rpm
Max. torque (hard/soft)	30/10 Nm

Technical Data (220 V drive)

Voltage	220 V ~
Power consumption	600 watt
Power output	310 watt
Connection cable length	2.5 m
Weight	23 kg

Installation Tools

Power Tools

EJOT® installation tool ECOset L

for Dabo® screws up to 260 mm length

Order description	PU	Price/1 [EUR]	Article number
EJOT® installation tool ECOset L (18-V drive)	1		9 153 300 000
EJOT® installation tool ECOset L (220-V drive)	1		9 151 300 000

Accessories

Order description	PU	Price/1 [EUR]	Article number
Spray oil 100 ml	1		9 150 911 000
Socket AF 8 - 1/4" x 30	1		9 150 315 001
Transport box	1		9 151 106 000
Tool kit	1		9 151 104 000
Spare battery 4.0 Ah	1		9 154 200 005
Rapid charger ALG 30	1		9 154 200 006

Application Range

- For efficient fastening of belted EJOT Dabo® screws up to 260 mm length with EJOT® HTV 82/40 stress plate
- Modification for TKR/HTV 82/40 TK combination on request

Advantages

- Up to 5 times higher fastening performance compared to conventional fastening solutions
- Fatigue-free working in upright position with consistently high installation performance
- Highest grade of reliability: EJOT Dabo® screw is always fastened at right angles to the roof surface

Properties

- Suitable for building sites, robust design
- Screw and stress plate fed automatically
- Due to the depth control screws can not be overwound
- Stress plate collator capacity 100 washers
- Dabo collator capacity 75 screws
- Depth control for exact adjustment of the installation depth
- Protective insulation / interference-free

Technical Data (18 V drive)

Battery voltage	18 V
Battery capacity	4.0 Ah
Load speed	0-1500 rpm
Idle speed	0-1700 rpm
Max. torque (hard/soft)	30/10 Nm

Technical Data (220 V drive)

Voltage	220 V ~
Power consumption	600 Watt
Power output	310 watt
Connection cable length	2.5 m
Weight	28 kg

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Included in delivery

- 1 installation tool (incl. screwgun, socket/bit and depth control)
- 1 tool kit
- 1 spray oil
- 1 operating manual

Cross reference

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Stress plate HTV 82/40	139
Stress plate HTV 82/40 TK	140
Dabo® screw SW 8 RT-4.8	134



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Stress Plates /
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Installation Tools

Power Tools



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Included in delivery

- 1 installation tool (includes screwgun and H2-M6x35 mm bit)
- 1 spare battery
- 1 tool kit
- 1 operating manual

Cross reference

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Stress plate HTK 2G.....	144

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with our
rental
equipment**
and comprehensive
on site instructions by
the EJOT team

EJOT® installation tool ECOset HTK

Order description	Weight [kg]	PU	Price/1 [EUR]	Article number
EJOT® installation tool EC0set HTK (18-V drive)	24.0	1		9 153 500 000
EJOT® installation tool EC0set HTK (220-V drive)	24.0	1		9 152 500 000

Accessories

Order description	PU	Price/1 [EUR]	Article number
Bit PH 2 - M6 x 35	1		9 250 612 000
Transport box	1		9 151 506 000
Cartridge holder for ECOset-HTK	1		9 151 510 074
Spare battery 4.0 Ah	1		9 154 200 005
Rapid charger ALG 30	1		9 154 200 006

Application area

- For safe, fast and efficient installation of EJOT® HTK 2G stress plates with EJOT Dabo® screws TKR, TKE and VHT-R

Advantages

- Short assembly times with pre-collated fasteners
- Easy and secure lock-in installations for different stress plate lengths
- Fatigue-free fixing with high degree of installation reliability
- Insulation thickness (max. 260 mm)

Properties

- Variable length combinations with fast and direct locking adjustment
- HTK collator change in seconds (25 pcs. pre-collated)
- Due to the depth control screws can not be overwound

Note

HTK 2G-M stress plates can be processed up to 145 mm in length

Technical Data (18 V drive)

Battery voltage	18 V
Battery capacity	4.0 Ah
Load speed	0-1500 rpm
Idle speed	0-1700 rpm
Max. torque (hard/soft)	30/10 Nm

Technical Data (220 V drive)

Power consumption	450 W
Power output	250 W
Load speed	0-2000 rpm
Idle speed	0-2500 rpm
Max. torque (hard/soft)	16/- Nm

Cartridge holder

By using the optional cartridge holder, the installation tool ECOset-HTK can be filled with three cartridge loads at the same time. That equals 75 fasteners.



+



Installation Tools

Power Tools

EJOFAST® JF screwdriver

for side lap screws 4.8x19

Order description	PU	Price/1 [EUR]	Article number
EJOFAST® JF screwdriver (18 V drive)	1		9 152 200 000

Accessories

Order description	PU	Price/1 [EUR]	Article number
Spare battery 4.0 Ah	1		9 154 200 005
Rapid charger ALG 30	1		9 154 200 006

Application Range

- For efficient fastening of collated side lap screws
- Maintenance-free, brushless motor with a very high degree of efficiency
- Tested for over 500.000 single fixings
- Over 1,000 recharge cycles per battery pack
- Powerful up to 30 Nm

Properties

- Fastest installation with collated screws (25 per cartridge)
- Clean and even results
- Optimum ergonomics for fatigue-free up-right work
- Attachments for various trapezoidal sheets
- Flexible system for screws with and without sealing washers
- Robust fastening system for construction site use

Technical Data

Battery voltage	18.0 Volt
Battery capacity	4.0 Ah
Load speed	0-1 500 rpm
Idle speed	0-1 700 rpm
Max. torque (hard/soft)	30/10 Nm
Weight	8.1 kg



EJOT® cartridge pouch for JF cartridges

Order description	PU	Price/1 [EUR]	Article number
Cartridge pouch for JF cartridges	1		9 152 270 001

Application area

- For ergonomic use of JF cartridges

Properties

- Holds four cartridges
- Sturdy quality
- Fits belts up to 55 mm in width

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Included in delivery

- EJOFAST® JF screwdriver including drive unit
- 1 set of tools:
- Allen key size 5 + 8
 - Flat wrench AF 10
- 1 metal transport box
- 1 operating manual
- 1 spare battery
- 1 battery charger

Cross reference

page

- EJOFAST® side lap screw
- JF2-2H-4,8x19 45
- EJOFAST® side lap screw
- JF3-2H-4,8x19 55
- Bohrschraube JT2-3-4,8x19 46



Installation Tools

Power Tools



Included in delivery

- 1 ASCS 6.3 in plastic tool case
- 1 rapid charger ALG 50
- 2 battery packs (Li-Ion)
- 1 Depth control
- 1 Nut socket for hexagon screws AF8

Cross reference

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Included in delivery

- 1 ASCS 6.3 in plastic tool case
- 1 rapid charger ALG 50
- 1 long screw support SH2
- 1 AF8-1/4"x25 nut socket
- 2 battery packs (Li-Ion)
- 1 Depth control
- 1 Nut socket for hexagon screws AF8

Cordless metal screwdriver ASCS 6.3

Order description	PU	Price/1 [EUR]	Article number
Cordless metal screwdriver ASCS 6.3	1		9 154 200 003

Accessories

Order description	PU	Price/1 [EUR]	Article number
Spare battery 4.0 Ah	1		9 154 200 005
Rapid charger ALG 30	1		9 154 200 006

Application Range

- Torque optimised cordless screwgun for fixing metal with screw diameters of up to 6.3 mm

Properties

- Powerful battery for over 150 fixings in sheet steel
- Electronic torque shut-off for precise results even without depth control
- Maintenance-free, brushless motor with a very high degree of efficiency
- Tested for over 500,000 single fixings
- Over 1000 recharge cycles per battery pack
- Extremely low weight
- Optimum ergonomics with pistol handle for high contact pressure
- Powerful up to 30 Nm

Technical Data

Battery voltage	18 V
Battery capacity	4.0 Ah
Load speed	0-1500 rpm
Idle speed	0-1700 rpm
Max. torque (hard/soft)	30/10 Nm
Weight with battery	1.8 kg
Bit support	1/4"
Screws	Ø 6.3 mm

Cordless metal screwdriver ASCS 6.3-SH2

with long screw support SH2

Order description	PU	Price/1 [EUR]	Article number
Cordless metal screwdriver ASCS 6.3-SH2	1		9 152 200 013

Accessories

Order description	PU	Price/1 [EUR]	Article number
Socket AF 8 - 1/4" x 25	1		9 150 315 000
Adapter for sealing washers ≤ Ø 22 mm	1		9 151 701 029
Adapter for FZ sealing washers ≤ Ø 25 mm	1		9 151 701 129
Long screw support SH 2 incl. socket holder 2, adapter and socket AF8	1		9 150 508 111

Application Range

- For fastening self-drilling screws up to Ø 6.3 mm with special long screw support

Properties

- See cordless metal screwdriver ASCS 6.3

Technical Data

See cordless metal screwdriver ASCS 6.3

Installation Tools

Power Tools

EJOT®

Metal screwdriver SCS 6.3

Order description	PU	Price/1 [EUR]	Article number
Metal screwdriver SCS 6.3	1		9 150 508 000

Accessories

Order description	PU	Price/1 [EUR]	Article number
K8-1/4"x50 socket	1		9 250 705 101
Depth control sleeve for sealing washer ≤ Ø 16 mm	1		9 150 508 016
Depth control sleeve for sealing washer ≤ Ø 22 mm	1		9 150 508 022
Control sleeve	1		9 150 508 100

Application Range

- For fastening self-drilling screws up to Ø 6.3 mm

Properties

- Switch for clockwise and anticlockwise rotation
- Ergonomically formed handle and operating element
- Hand belt for fatigue-free working with the screwgun
- Protective insulation / interference-free

Advantages

- Small width across corners for minimal edge distance
- Light high-performance motor
- Depth control for exact adjustment of the installation depth

Technical Data

Spindle taper	1/4" internal hexagon
Voltage	220 V ~
Power consumption	450 watt
Connection cable length	5 m
Idle speed	0 - 1800 rpm
Load speed	0 - 1250 rpm
Width across corners	23 mm
Weight	1.6 kg



Included in delivery

1 Metal screwdriver SCS 6.3
1 depth control, including 16 mm and 22 mm sleeve
1 hand belt
1 operating manual
1 transport box

Cross reference

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FR-tool.....200

Metal screwdriver SCS 6.3-SH2

with long screw support SH2

Order description	PU	Price/1 [EUR]	Article number
Metal screwdriver SCS 6.3-SH2	1		9 150 508 098

Accessories

Order description	PU	Price/1 [EUR]	Article number
Socket AF 8 - 1/4" x 25	1		9 150 315 000
Adapter for sealing washers ≤ Ø 22 mm	1		9 151 701 029
Adapter for FZ sealing washers ≤ Ø 25 mm	1		9 151 701 129
Long screw support SH 2 incl. socket holder 2, adapter and socket AF8	1		9 150 508 111

Application Range

- For fastening self-drilling screws up to Ø 6.3 mm with special long screw support

Properties

- See metal screwdriver SCS 6.3

Technical Data

See metal screwdriver SCS 6.3



Included in delivery

1 metal screwdriver SCS 6.3
1 long screw support SH2
1 AF8-1/4"x25 nut socket
1 Depth control
1 Nut socket for hexagon screws AF8

Self-drilling
ScrewsSelf-tapping
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tools

Accessories

i



2 gear cordless hammer drill ASB 18

18.0 V / 4.0 Ah

Order description	PU	Price/1 [EUR]	Article number
2 gear cordless hammer drill ASB 18	1		9 150 260 000

Accessories

Order description	PU	Price/1 [EUR]	Article number
Spare battery 4.0 Ah	1		9 154 200 005
Rapid charger ALG 30	1		9 154 200 006

Application Range

- Universal cordless screwgun
- For demanding drilling and fastening in all materials (18V/4Ah)

Properties

- 4-pole DC motor with overload protection
- Lithium-Ion battery with FEIN SafetyCell Technology. A separate communication line protects battery and tools from overloading.
- Full metal quick-release chuck
- 3 years FEIN PLUS guarantee incl. battery and charger
- 2-gear full metal gear unit
- Compact design
- Hammer mechanism can be switched on
- 750 fixings with only one battery charge
- Fastens 8 x 300 mm screws without pre-drilling
- High torques up to 60 Nm

Technical Data

Battery voltage	18 V
Battery capacity	4 Ah
Motor	4-pol. DC
Gear	2 gears
Max. torque for hard fixing ca.	60 Nm
Idle speed	550 / 1600 rpm
Max. torque	60 Nm
Drill Ø timber	50 mm
Drill Ø steel	13 mm
Drill Ø stone	14 mm
Weight with battery	2.2 kg



Included in delivery

- 1 cordless hammer drill
- 2 battery packs (Lithium ion)
- 1 rapid charger ALG 50
- 1 plastic tool case

Installation Tools

Power Tools



Included in delivery

- 1 cordless screwgun
- 2 battery packs (Lithium ion)
- 1 rapid charger ALG 50
- 1 grip
- 1 removable full metal drill chuck / bit holder
- 1 plastic tool case

4-gear cordless screwgun ASCM 18 QX

18.0 V / 4.0 Ah

Order description	PU	Price/1 [EUR]	Article number
4-gear cordless screwgun ASCM 18 QX	1		9 150 240 000

Accessories

Order description	PU	Price/1 [EUR]	Article number
Spare battery 4.0 Ah	1		9 154 200 005
Rapid charger ALG 30	1		9 154 200 006

Application Range

- Powerful cordless screwgun
- Lightweight and extremely high endurance (18V/4Ah)

Properties

- 4-gear full metal gear unit
- Brushless FEIN PowerDrive motor with 30% higher degree of efficiency
- Lithium-Ion battery with mit FEIN SafetyCell Technology.
- 3 years FEIN PLUS guarantee incl. battery and charger
- Removable full metal drill chuck / bit holder
- Electronic torque adjustment
- Motor and electronics are completely protected from dust
- High torques up to 90 Nm
- Hard-metal clamping jaws hold round drill shafts extremely reliable
- Bit holder holds bits of forms C 6.3 and E 6.3
- Magnetic bit holder with high-quality Neodym-Magnet

Technical Data

Battery voltage	18 V
Battery capacity	4 Ah
Motor	Brushless
Gear	4-gear
Max. torque for hard fixing ca.	90 Nm
Idle speed	400 / 800 / 1950 / 3850 rpm
Max. torque	90 Nm
Drill Ø timber	50 mm
Drill Ø steel	13 mm
Weight with battery	2.0 kg

Installation Tools

Power Tools

EJOT®

Jigsaw AStE 638

Jigsaw up to 10 mm steel / 60 mm timber

Order description	PU	Price/1 [EUR]	Article number
Jigsaw AStE 638	1		9 150 270 000

Application Range

- For optimum results in metal, stainless steel, insulating material (sandwich) and hard wood

Properties

- With extremely robust 4 mm stainless steel baseplate
- Continuous, electronic torque adjustment for optimum cutting speed and saw blade service life
- Excellent handling
- Very quiet running due to precise mass balancing
- Reversible swarf removal suction or blowing

Technical Data

Power consumption	450 W
Power output	245 W
Stroke rate	1050-2600 rpm
Stroke length	20 mm
Cable with plug	5 m
Weight acc. to EPTA	2.3 kg
Stainless steel (V2A)	6 mm
Steel (St 37)	10 mm
Alu/copper, brass	15/10 mm
Soft wood/hard and plywood	60/50 mm
Fibreboard/glas fibres	30/30 mm
Steel/wood, plastic	8/6 mm

NEW



Included in delivery

- 1 jigsaw
- 2 packages saw blades
- 1 chip protection

Jigsaw blades

for metal and sandwich material

Length [mm]	max. cutting power [mm]			PU	Price/5 [EUR]	Order description	Article number
	Metal	Aluminium	Sandwich				
120	< 2	< 2	< 70	5		Jigsaw blade 120 mm	9 150 270 001
180	< 10	< 8	< 120	5		Jigsaw blade 180 mm	9 150 270 002

Order information: Further lengths and types on request.

NEW



Cutting edge

for sandwich panels and metal profiles

Order description	PU	Price/1 [EUR]	Article number
Cutting device for sandwich panels and metal profiles	1		9 150 230 009

Order information: Model with greater overall height on request

Application Range

- Cutting aid for shortening sandwich panels and metal profiles

Technical Data	
Total width max.	1.25 m
Total height max.	155 mm
Weight	11 kg

Note

Cutting height is reduced by 20 mm with the cutting aid. Please note when selecting the saw blade length.



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- For structural steel

Precision drill bit HSS

Form S

Ø [mm]	Length [mm]	Rotation speed rpm	PU	Price/1 [EUR]	Order description	Article number
4.0	60	1000	1		S 4.0/60 drill bit	9 250 407 000
4.1	55	1000	1		S 4.1/55 drill bit	9 250 405 000
4.5	60	900	1		S 4.5/60 drill bit	9 250 434 000
4.5	125	900	1		S 4.5/125 drill bit	9 250 435 000
4.5	175	900	1		S 4.5/175 drill bit	9 250 436 000
4.5	235	900	1		S 4.5/235 drill bit	9 250 450 235
4.5	295	900	1		S 4.5/295 drill bit	9 250 450 295
5.0	60	900	1		S 5.0/60 drill bit	9 250 409 000
5.0	95	900	1		S 5.0/95 drill bit	9 250 410 000
5.0	125	900	1		S 5.0/125 drill bit	9 250 411 000
5.0	175	900	1		S 5.0/175 drill bit	9 250 412 000
5.0	220	900	1		S 5.0/220 drill bit	9 250 413 000
5.0	250	900	1		S 5.0/250 drill bit	9 250 414 000
5.1	62	900	1		S 5.1/62 drill bit	9 250 439 000
5.3	60	800	1		S 5.3/60 drill bit	9 250 415 000
5.3	95	800	1		S 5.3/95 drill bit	9 250 416 000
5.3	125	800	1		S 5.3/125 drill bit	9 250 417 000
5.3	175	800	1		S 5.3/175 drill bit	9 250 418 000
5.3	220	800	1		S 5.3/220 drill bit	9 250 419 000
5.3	250	800	1		S 5.3/250 drill bit	9 250 437 000
5.3	290	800	1		S 5.3/290 drill bit	9 250 438 000
5.5	65	750	1		S 5.5/65 drill bit	9 250 420 000
5.5	95	750	1		S 5.5/95 drill bit	9 250 421 000
5.5	125	750	1		S 5.5/125 drill bit	9 250 422 000
5.5	175	750	1		S 5.5/175 drill bit	9 250 408 000
5.5	220	750	1		S 5.5/220 drill bit	9 250 423 000
5.5	250	750	1		S 5.5/250 drill bit	9 250 492 000
5.5	290	750	1		S 5.5/290 drill bit	9 250 424 000
5.7	65	700	1		S 5.7/65 drill bit	9 250 425 000
5.7	95	700	1		S 5.7/95 drill bit	9 250 426 000
5.7	125	700	1		S 5.7/125 drill bit	9 250 427 000
5.7	170	700	1		S 5.7/170 drill bit	9 250 428 000
5.7	220	700	1		S 5.7/220 drill bit	9 250 429 000
5.7	250	700	1		S 5.7/250 drill bit	9 250 432 000
5.7	290	700	1		S 5.7/290 drill bit	9 250 433 000
5.8	95	700	1		S 5.8/95 drill bit	9 250 441 000
5.8	180	700	1		S 5.8/180 drill bit	9 250 580 180
5.8	260	700	1		S 5.8/260 drill bit	9 250 580 260
5.8	300	700	1		S 5.8/180 drill bit	9 250 580 300
6.8	75	600	1		S 6.8/75 drill bit	9 250 430 000
6.8	175	600	1		S 6.8/175 drill bit	9 250 680 175
6.8	225	600	1		S 6.8/225 drill bit	9 250 510 000
7.0	75	600	1		S 7.0/75 drill bit	9 250 440 000
7.0	125	600	1		S 7.0/125 drill bit	9 250 499 000
7.0	175	600	1		S 7.0/175 drill bit	9 250 500 000
7.0	225	600	1		S 7.0/225 drill bit	9 250 493 000
7.2	75	600	1		S 7.2/75 drill bit	9 250 442 000
7.2	125	600	1		S 7.2/125 drill bit	9 250 504 000
7.2	175	600	1		S 7.2/175 drill bit	9 250 505 000
7.2	225	600	1		S 7.2/225 drill bit	9 250 494 000
7.4	125	600	1		S 7.4/125 drill bit	9 250 506 000
7.4	175	600	1		S 7.4/175 drill bit	9 250 507 000
7.4	225	600	1		S 7.4/225 drill bit	9 250 497 000

Precision drill bit HSCO

Ø [mm]	Length [mm]	Rotation speed rpm	PU	Price/1 [EUR]	Order description	Article number
4.25	55	450	1		HSCO 4.25/55	9 250 310 000
4.5	126	400	1		HSCO 4.5/126	9 250 380 000
4.6	58	400	1		HSCO 4.6/58	9 250 320 000
5.3	86	350	1		HSCO 5.3/86	9 250 300 000
5.4	66	350	1		HSCO 5.4/66	9 250 330 000
5.4	93	350	1		HSCO 5.4/93	9 250 444 000
5.6	66	350	1		HSCO 5.6/66	9 250 350 000
5.7	66	390	1		HSCO 5.7/66	9 250 360 000
5.8	66	350	1		HSCO 5.8/66	9 250 340 000
5.8	93	350	1		HSCO 5.8/93	9 250 540 000
5.8	139	350	1		HSCO 5.8/139	9 250 370 000

Application Range

- Hard-to-work materials such as rust- and acid-resistant steels

Universal drill SDS plus®

Ø [mm]	Effective length [mm]	Total length [mm]	PU	Price/1 [EUR]	Order description	Article number
10	100	160	1		Universal drill SDS-plus 10x100/160	9 200 000 063
10	200	260	1		Universal drill SDS-plus 10x200/260	9 200 000 064

Application Range

- Materials for rotary drilling

Technical Data

Drive	SDS plus®
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Hammer drill A cone

Ø [mm]	Effective length [mm]	Total length [mm]	PU	Price/1 [EUR]	Order description	Article number
5.0	100	160	1		Hammer drill A cone 5.0x100/160	9 200 050 160
5.5	100	160	1		Hammer drill A cone 5.5x100/160	9 200 055 160
8.0	100	160	1		Hammer drill A cone 8x100/160	9 200 080 100
8.0	150	210	1		Hammer drill A cone 8x150/210	9 200 080 150
8.0	250	310	1		Hammer drill A cone 8x250/310	9 200 080 310

Application Range

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



Cross reference page
Drill extension 197

Hammer drill A cone

with flange

Ø [mm]	Effective length [mm]	Total length [mm]	PU	Price/1 [EUR]	Order description	Article number
5.0	35	102	1		Hammer drill A cone flange 5.0x35/102	9 200 050 035
5.0	45	112	1		Hammer drill A cone flange 5.0x45/112	9 200 050 045
5.0	52	119	1		Hammer drill A cone flange 5.0x52/119	9 200 005 052

Application Range

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

Technical Data	
Flange Ø	19 mm



Cross reference page
Drill extension 197

Drill extension

with drive-out wedge

Total length [mm]	PU	Price/PU [EUR]	Order description	Article number
200	1		Drill extension 200 mm SDS	9 151 950 001
270	1		Drill extension 270 mm SDS	9 151 950 002
500	1		Drill extension 500 mm SDS	9 151 950 000
650	1		Drill extension 650 mm SDS	9 151 950 004
-	3		drive-out wedge	9 151 950 003

Application Range

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



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Installation Tools

Tools



PH



PZ



Cross recess bit

Drive and size Size	Length [mm]	PU	Price/1 [EUR]	Order description	Article number
Drive: 1/4" hexagon DIN/ISO 1173 - C 6.3					
Pozidriv PZ 2	25	1		PZ2-1/4"/Cx25	9 250 473 000
Phillips PH 2	25	1		PH2-1/4"/Cx25	9 250 474 000
Drive: 1/4" hexagon DIN/ISO 1173 - E 6.3					
Phillips PH 2	50	1		PH2-1/4"/Ex50	9 250 709 000
Phillips PH 2	110	1		PH2-1/4"/Ex110	9 200 000 110
Phillips PH 2	127	1		PH2-1/4"/Ex127	9 200 000 127
Phillips PH 2	152	1		PH2-1/4"/Ex152	9 200 000 152
Phillips PH 2	170	1		PH2-1/4"/Ex170	9 200 000 029
Phillips PH 2	200	1		PH2-1/4"/Ex200	9 200 000 200
Phillips PH 2	300	1		PH2-1/4"/Ex300	9 200 000 300
Phillips PH 2	350	1		PH2-1/4"/Ex350	9 200 000 350
Drive: threaded connection M 6					
Phillips PH 2	35	1		PH2-M6/x35	9 250 612 000

NEW

Bit TORX®



Drive and size	Length [mm]	PU	Price/1 [EUR]	Order description	Article number
Drive: 1/4" hexagon DIN/ISO 1173 - C 6.3					
T20	25	1		TORX T20-1/4"/Cx25	9 150 010 000
T20W	25	1		TORX T20W-1/4"/Cx25*	9 150 008 000
T25	25	1		TORX T25-1/4"/Cx25	9 150 009 000
T25W	25	1		TORX T25W-1/4"/Cx25*	9 150 003 000
T30	25	1		TORX T30-1/4"/Cx25	9 250 431 000
T30W	25	1		TORX T30W-1/4"/Cx25*	9 250 431 002
T40	25	1		TORX T40-1/4"/Cx25	9 250 480 000
Drive: 1/4" hexagon DIN/ISO 1173 - E 6.3					
T25	70	1		TORX T25-1/4"/Ex70	9 150 011 000
T30	50	1		TORX T30-1/4"/Ex50	9 250 431 001
T30	200	1		TORX T30-1/4"/Ex200	9 253 014 200
T30	250	1		TORX T30-1/4"/Ex250	9 253 014 250
T30	350	1		TORX T30-1/4"/Ex350	9 253 014 350
T25	110	1		TORX T25-1/4"/Ex110	9 250 140 110
T25	152	1		TORX T25-1/4"/Ex152	9 250 140 152
Drive: threaded connection M 6					
T25	33	1		TORX T25-M6/x33	9 250 251 425
T30	33	1		TORX T30-M6/x33	9 250 251 430
* special bit: conical design for force fit at screw head					

* special bit: conical design for force fit at screw head

Installation Tools

Tools

Bit extension

for bits with M6 threaded connection

Length [mm]	PU	Price/1 [EUR]	Order description	Article number
600	1		Bit extension M6 x 600	9 151 510 071



Technical Data	
Drive	1/4" hexagon DIN/ISO 1173 - E 6.3

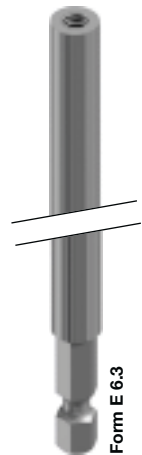
Clamping socket

Drive Wrench size	Length [mm]	PU	Price/1 [EUR]	Order description	Article number
Drive: 1/4" hexagon DIN/ISO 1173 - E 6.3					
AF 8	50	1		K-8-1/4"x50 socket	9 250 705 101
AF 3/8"	50	1		K-3/8"-1/4"x50 socket	9 250 706 002
AF 8	65	1		K-8-1/4"x65 socket	9 250 502 100
AF 3/8"	65	1		K-3/8"-1/4"x65 socket	9 250 489 100
Drive: 5/16" hexagon DIN/ISO 1173 - E 8.0					
AF 3/8"	65	1		K-3/8"-5/16"x65 socket	9 250 508 000
AF 8	65	1		K-8-5/16"x65 socket	9 250 503 100

Bit holder

Drive Internal Hexagon	Length [mm]	PU	Price/1 [EUR]	Order description	Article number
Drive: 1/4" hexagon DIN/ISO 1173 - E 6.3					
1/4"	42	1		BT-1/4"-1/4"x42	9 250 711 000
1/4"	57	1		BT-1/4"-1/4"x57	9 150 506 031
1/4"	250	1		BT-1/4"-1/4"x250	9 250 010 120
Drive: 5/16" hexagon DIN/ISO 1173 - E 8.0					
1/4"	45	1		BT-1/4"-5/16"x45	9 250 515 001

EJOT®



Form E 6.3



Form E 6.3



Form E 8.0



Form E 6.3



Form E 8.0



Self-drilling Screws

Self-tapping Screws

Solar Fasteners

Storm Washers

Special Screws

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Scaffolding Anchors

Deklite® Flashings

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Installation Tools

Tools



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Metal screwdriver SCS 6.3	189
Cordless metal screwdriver	
ASCS 6.3	187



Cross reference	page
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Metal screwdriver SCS 6.3 189
Cordless metal screwdriver
ASCS 6.3 187

EJOT® FR-tool

for FR screws **with sealing washers** Ø 11 mm

Order description	PU	Price/1 [EUR]	Article number
EJOT® FR-tool	1		9 151 600 000

Accessories

Order description	PU	Price/1 [EUR]	Article number
FR-Bit TX 25/70	1		9 150 011 000
Depth control sleeve for FR tool, consisting of:			
Stop bushing for metal screwdriver SCS 6.3	1		9 150 508 200
Stop bushing for cordless metal screwdriver ASCS 6.3	1		9 152 200 203

Application Range

- For reliable fixing of corrugated and trapezoidal profile sheet with FR screws
- For FR screws **with sealing washers**
Ø 11 mm

Advantages

- For efficient fixing of corrugated and trapezoidal profiles
- Fastener does not buckle to the side

Properties

- Easy handling
- Optimum installation in any position
- Reliable screw guidance
- Captive

EJOT® FR-variotool

for FR screws **without** sealing washers

Order description	PU	Price/1 [EUR]	Article number
EJOT® FR-variotool	1		9 151 630 000

Accessories

Order description	PU	Price/1 [EUR]	Article number
FR-Bit T 25/70	1		9 151 600 009
Depth control sleeve for FR-variotool, consisting of:			
Stop bushing for metal screwdriver SCS 6.3	1		9 150 508 200
Stop bushing for cordless metal screwdriver ASCS 6.3	1		9 152 200 203

Application Range

- For reliable fixing of corrugated and trapezoidal profile sheet with FR screws
- For FR screws **without sealing washers**

Advantages

- For efficient fixing of corrugated and trapezoidal profiles
- Fastener does not buckle to the side

Properties

- Easy handling
- Optimum installation in any position
- Reliable screw guidance
- Captive

Installation Tools

Tools

EJOT®

EJOT® VACUtest

Order description	PU	Price/1 [EUR]	Article number
VACUtest	1		9 150 580 000

Application Range

- For seal testing of screw and rivet connections on roofs and walls

Advantages

- Easy to handle
- Quick and accurate seal-testing of connections
- Minimal technical effort

Properties

- For screw and rivet connections on smooth airtight surfaces



Included in delivery

- 1 handpump with manometer and tube
- 2 nosepiece
- 1 operating manual
- 1 transport box

EJOT® nail / screw puller

Order description	PU	Price/1 [EUR]	Article number
Nail / screw puller	1		9 250 005 836

Properties

- CV steel, chrome plated
- With 2 component hilt
- 2 component handle

Technical Data

Diameter:	7 mm
Blade length	100 mm
Grip length	105 mm
Weight	90 g



EJOT® application tool

Order description	PU	Price/1 [EUR]	Article number
Application tool for sandwich panels and metal profiles	1		9 150 230 008

Application Range

- Installation tool for sandwich panels and metal sections

Side lap acc. to IFBS installation guidelines 8.01

„[...] For the installation of sandwich panels [...] the specified joint spacing has to be maintained in order to ensure sufficient application pressure of the seal strips. [...] Sandwich panel push-on tools have proven to ensure the application pressure of the seal strips. [...]“



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EJOT® sealing washer E

external Ø [mm]	internal Ø [mm]	Elastomer thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
11	5.7	3.0	-		Bonded washer E11	3 010 092 300
14	5.7	3.0	-		Bonded washer E14	3 010 077 300
16	6.8	3.0	-		Bonded washer E16	3 010 067 300
19	6.8	3.0	-		Bonded washer E19	3 010 066 300
22	6.8	3.0	-		Bonded washer E22	3 010 013 300
29	6.8	3.0	-		Bonded washer E29	3 010 015 300

Application area

- Waterproofing
- Improve the static and dynamic values

Properties

- A2 stainless steel
- 1 mm metal back
- Bonded EPDM
- Excellent weather and UV resistance



EJOT® sealing washer ES

external Ø [mm]	internal Ø [mm]	Elastomer thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
38	6.9	4.0	-		sealing washer ES38	3 010 038 300
51	6.9	4.0	-		sealing washer ES51	3 010 091 300

Application area

- Waterproofing
- Improve the static and dynamic values
- To cover faulty drill holes

Properties

- A2 stainless steel
- 1.8 mm metal back
- Bonded EPDM
- Excellent weather and UV resistance



EJOT® mushroom washer

external Ø [mm]	internal Ø [mm]	flange Ø [mm]	Height [mm]	PU	Price/100 [EUR]	Order description	Article number
25	6.3	9.0	7.0	-		EP 25 mushroom washer	3 010 070 704

Application area

- For fixing light diffusing panels

Properties

- A2 stainless steel
- 1 mm metal back
- Moulded EPDM part
- Pre-assembled on EJOT® screws for JZ3, JA3, JZ2 and JA2



EJOT® VS shearing load washer

external Ø [mm]	internal Ø [mm]	PU	Price/100 [EUR]	Order description	Article number
29	6.7	250		VS-29 shearing load washer	3 010 000 003

Application area

- For use with EJOT® screws JZ, JA, JT

- Zinc-plated steel
- Metal thickness 4 mm

Properties

EJOT® thread protection sleeve

internal Ø [mm]	Length [mm]	PU	Price/100 [EUR]	Order description	Article number
transparent					
3.0	10	1,000		Thread protection sleeve 3.0x10	8 200 010 700
3.5	10	1,000		Thread protection sleeve 3.5x10	8 200 011 700
4.0	10	1,000		Thread protection sleeve 4.0x10	8 200 012 700
4.5	10	1,000		Thread protection sleeve 4.5x10	8 200 013 700
4.5	25	1,000		Thread protection sleeve 4.5x25	8 200 043 700
5.0	10	1,000		Thread protection sleeve 5.0x10	8 200 014 700
5.5	10	1,000		Thread protection sleeve 5.5x10	8 200 015 700
RAL 9002 (Grauweiß)					
3.0	10	1,000		Thread protection sleeve 3.0x10-9002	8 200 020 700
3.5	10	1,000		Thread protection sleeve 3.5x10-9002	8 200 021 700
4.0	10	1,000		Thread protection sleeve 4.0x10-9002	8 200 022 700
4.5	10	1,000		Thread protection sleeve 4.5x10-9002	8 200 023 700
4.5	25	1,000		Thread protection sleeve 4.5x25-9002	8 200 053 700
4.5	35	1,000		Thread protection sleeve 4.5x35-9002	8 200 054 700
5.0	10	1,000		Thread protection sleeve 5.0x10-9002	8 200 024 700
5.5	10	1,000		Thread protection sleeve 5.5x10-9002	8 200 025 700

Application area

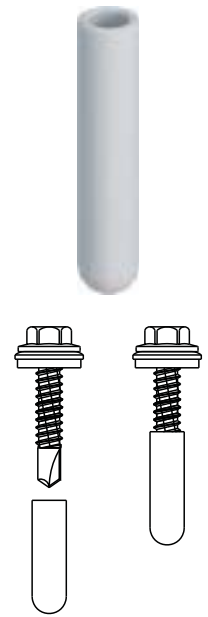
- Thread end covering for EJOT® screws ø 4.2 mm, Ø 4.8 mm, Ø 5.5 mm, Ø 6.3 mm and Ø 6.5 mm

Properties

- Soft plastic, transparent or RAL 9002 (grey-white)

Which thread protection sleeve for which EJOT® screw?

Screw	Thread protection sleeve
JT...-2-4.2	3.0x10
JF...-2H-4.8	3.0x10
JT...-2H-4.8	3.0x10
JT...-2-4.8	3.0x10
Dabo ...-4.8	4.5x25
Dabo ...-4.8	4.5x35
JT...-3-4.8	3.5x10
JT...-2H-5.5	3.5x10
JT...-2H-Plus-5.5	4.0x10
JT...-3H-5.5	4.0x10
JT...-3-5.5	4.0x10
JT...-4-5.5	4.5x10
JT...-6-5.5	4.5x10
JT...-8-5.5	4.5x10
JT...-12-5.5	4.5x25
JT...-18-5.5	4.5x25
JT...-2H-6.3	3.5x10
JT...-3H-6.3	4.5x10
JT...-4-6.3	4.5x10
JT...-6-6.3	5.0x10
JT...-X-6.0	5.5x10
JZ...-6.3	5.5x10
JA...-6.5	5.5x10



Self-drilling Screws

Self-tapping Screws

Solar Fasteners

Storm Washers

Special Screws

Rivets

Direct Fastening

Scaffolding Anchors

Dekite® Flashings

Self-drilling Roof Screws Dabo®

Stress Plates / Flat Roofing Tube Washers / Anchors

Concrete Screws / Aerated Concrete Screws

Anchors and Installation Technology

Installation Tools

Accessories





Product description

ISO-BLOCO 300 is a special impregnated PUR sealing tape. In its compressed state it is a reliable seal against driving rain, dust and drafts. With the appropriate compression, it offers a reliable protection against driving rain to a minimum of 300 Pa. Equivalent to strong gale 9 wind force, ISO-BLOCO 300 is also a thermal and acoustic insulation. It meets the high qualification requirements for the BG2 classification, in accordance with DIN 18542 issue 2009.

ISO-BLOCO 300

Dimension joint depth x width [mm]	Box content [m]	Metres per roll [m]	PU	Price/ 100 m [EUR]	Order description	Article number
10 / 1-4	390.0	13.0	30		ISO-BLOCO 300 10 / 1-4	0 030 010 104
15 / 1-4	260.0	13.0	20		ISO-BLOCO 300 15 / 1-4	0 030 015 104
15 / 2-6	240.0	12.0	20		ISO-BLOCO 300 15 / 2-6	0 030 015 206
15 / 4-9	160.0	8.0	20		ISO-BLOCO 300 15 / 4-9	0 030 015 409
20 / 1-4	195.0	13.0	15		ISO-BLOCO 300 20 / 1-4	0 030 020 104
20 / 2-6	180.0	12.0	15		ISO-BLOCO 300 20 / 2-6	0 030 020 206
20 / 4-9	120.0	8.0	15		ISO-BLOCO 300 20 / 4-9	0 030 020 409

* Movement of structural elements and temporary changes in length have to be taken into account for the max. joint width.

Application Range

- For sealing joints and connections in building construction and facades
- For applications including windows, metal, masonry, wood and drywall.
- Can be used as a thermal barrier tape

Advantages:

- Complies with DIN 18542 BG 2
- Seals against wind, dust and driving rain
- Permanently elastic with long term life expectancy
- Vapour diffusion permeable
- Thermal and acoustic insulation
- Can be painted over with standard emulsion paints
- Good adhesive properties, to aid installation
- Constant quality control to DIN standards, with regular controls from independent institutions



Product description

ISO-ZELL PE-Tapes are versatile sealing and pad tapes. These closed celled polyethylene foam tapes with their self-adhesive coating, are characterised by a fine cellular structure and particularly by their flexibility. These properties and a continuously high quality, allow efficient and reliable solutions for a wide spectrum of industry and building applications.

ISO-Zell PE Tape

Dimensions [mm]	Box content [m]	Metres per roll [m]	PU	Price/ 100 m [EUR]	Order description	Article number
2 x 20	2,400	20.0	120		ISO-ZELL 2 x 20	0 070 020 020
3 x 30	200	20.0	10		ISO-ZELL 3 x 30	0 070 030 030
3 x 50	500	20.0	25		ISO-ZELL 3 x 50	0 070 030 050

Application Range

- For sealing, damping, insulating and cushioning

For areas including

- Trapezoidal metal sheets and metal structures
- Solid, timber and prefabricated building constructions
- Window construction
- Dry wall and partitioning
- Air conditioning and ventilation systems
- Domestic appliances
- Wagon and container construction
- Machine and equipment manufacturing

Advantages:

- Flexible
- Fine pored
- Water repellent
- High ageing resistance
- Environmentally friendly – chemically neutral

ISO-BLOCO 600

Dimension joint depth x width [mm]	Box content [m]	Metres per roll [m]	PU	Price/ 100 m [EUR]	Order description	Article number
15 / 1-4	260.0	13.0	20		ISO-BLOCO 600 15 / 1-4	0 060 015 104
15 / 2-6	240.0	12.0	20		ISO-BLOCO 600 15 / 2-6	0 060 015 206
15 / 4-9	160.0	8.0	20		ISO-BLOCO 600 15 / 4-9	0 060 015 409
20 / 1-4	195.0	13.0	15		ISO-BLOCO 600 20 / 1-4	0 060 020 104
20 / 2-6	180.0	12.0	15		ISO-BLOCO 600 20 / 2-6	0 060 020 206
20 / 4-9	120.0	8.0	15		ISO-BLOCO 600 20 / 4-9	0 060 020 409

* Movement of structural elements and temporary changes in length have to be taken into account for the max. joint width.

Application Range

For sealing construction joints (including moving joints) between

- Prefabricated concrete
- Outer frames and masonry
- Skylights
- Perimeter seals for fenestration

For areas including

- Trapezoidal profiled sheets, sandwich and metal panels
- Prefabricated concrete, and other material, elements (including civil engineering) industrialised building methods
- Solid, timber and dry wall construction
- Window installation

Advantages:

- Complies with the DIN 18542 BG 1 and DIN 18055
- Reliability through a wider joint application range
- Seals against wind, dust and driving rain
- Vapour diffusion permeable
- Good adhesive properties, to aid installation
- Permanently elastic with long term life expectancy
- Thermal and acoustic insulation
- Can be painted over with standard emulsion paints
- Applications in all construction areas and building types are possible
- CE-certified (ETA-07/0072)
- Constant quality control to DIN standards, with regular controls from independent institutions
- Externally monitored by ift Rosenheim: for driving rain and air permeability (a-value)
- 10 year performance guarantee (On the conditions of the manufacturer (available upon request).



Product description

ISO-BLOCO 600 is a special impregnated PUR sealing tape. It is specially designed for joints in buildings up to 100 m high, in accordance with DIN 18055. ISO-BLOCO 600 fulfils the stringent requirements of the DIN 18542 edition 2009. In addition to providing protection against driving rain to a minimum of 600 Pa (equivalent to wind force 11 - Violent Storm) the vapour permeable joint sealing tape also possesses outstanding thermal and acoustic characteristics, as well as allowing for diurnal movement.



Self-drilling Screws

Self-tapping Screws

Solar Fasteners

Storm Washers

Special Screws

Rivets

Direct Fastening

Scaffolding Anchors

Dekite® Flashings

Self-drilling Roof Screws Dabo®

Stress Plates / Flat Roofing Tube Washers / Anchors

Concrete Screws / Aerated Concrete Screws

Anchors and Installation Technology

Installation Tools

Accessories





Product description

ISO-PROFIL filler strips are profile cut strips of high quality PE foam material. They are used in metal and industrial building structures to seal and insulate trapezoidal and wave profile sheets. They have the optimum form for a wide range of European manufactured trapezoidal and corrugated metal sheeting.

ISO-Profil filler strips

Profile	Stiffening corrugation	Strength [mm]	PU	Price/1 [EUR]	Order description	Article number
22 / 214	large	30.0	1		22 / 214 large	0 080 022 214
22 / 214	small	30.0	1		22 / 214 small	0 080 122 214
35 / 207	large	30.0	1		35 / 207 large	0 080 035 207
35 / 207	small	30.0	1		35 / 207 small	0 080 135 207
39 / 333	large	30.0	1		39 / 333 large	0 080 039 333
39 / 333	small	30.0	1		39 / 333 small	0 080 139 333
45 / 333	large	30.0	1		45 / 333 large	0 080 045 333
45 / 333	small	30.0	1		45 / 333 small	0 080 145 333
50 / 250	large	30.0	1		50 / 250 large	0 080 050 250
50 / 250	small	30.0	1		50 / 250 small	0 080 150 250
ROMA 42 / 333	large	30.0	1		ROMA 42 / 333 large	0 080 042 333
Brucha 42 / 333	large	30.0	1		Brucha 42 / 333 large	0 080 142 333
Kingspan 35 / 333	large	30.0	1		Kingspan 35 / 333 large	0 080 035 333
Thyssen 35 / 333	large	30.0	1		Thyssen 35 / 333 large	0 080 135 333
Lattonedil 37 / 333	large	30.0	1		Lattonedil 37 / 333 large	0 080 037 333
Corrugated sheet 18 / 76	—	30.0	1		Corrugated sheet 18 / 76	0 080 001 876
Corrugated sheet 30 / 130	—	30.0	1		Corrugated sheet 30 / 130	0 080 030 130
Corrugated sheet 55 / 177	—	30.0	1		Corrugated sheet 55 / 177	0 080 055 177

Application Range

- Reliable and permanent sealing of trapezoidal and corrugated metal sheeting
- Sound and thermal insulation
- Roofing applications (roof ridge, eaves)
- Facade (parapet connections)

Advantages:

- Exact fit and dimensions for every trapezoidal sheet
- Fine cells with a consistent smooth surface
- Permanently elastic as well as having form stability
- Environmentally friendly - chemically neutral
- Available with UV-resistant aluminium lamination
- Fire protection class B2, B1 as a special property
- Two-coloured for increased flexibility when installing
- Conforms to the requirements of the new IFBS guidelines for joint tightness on light-weight steel constructions
- High and regularly examined product quality



EJOT® AS spacer

Thickness [mm]	PU	Price/100 [EUR]	Order description	Article number
3	3,000		AS-3	8 600 725 700
5	2,500		AS-5	8 601 189 710
8	100		AS-8	8 601 233 720
10	100		AS-10	8 601 232 750
15	100		AS-15	8 601 187 730

Application Range

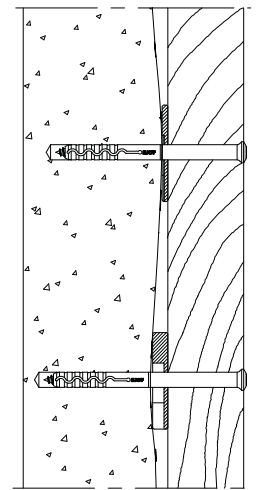
- To compensate for tolerances on wall and roof

Properties

- Plastics
- All-purpose for anchor diameters of 8 mm and 10 mm
- Easy installation through clipping-on from the side
- Variable combinations

Technical Data

Dimensions	50 x 50 mm
------------	------------

Self-drilling
ScrewsSelf-tapping
ScrewsSolar
FastenersStorm
WashersSpecial
Screws

Rivets

Direct
FasteningScaffolding
AnchorsDeklite®
FlashingsSelf-drilling
Roof Screws
Dabo®Stress Plates /
Flat Roofing Tube
Washers / AnchorsConcrete Screws /
Aerated
Concrete ScrewsAnchors and
Installation
TechnologyInstallation
Tools

Accessories





NEW

Spray oil

Content [ml]	PU	Price/1 [EUR]	Order description	Article number
100	1		Spray oil 100 ml	9 150 911 000

Application area

- DIY, industry and trade applications
- Suitable for lubricating mechanical parts

Properties

- Maintenance, lubrication, disinfection, rust protection
- Creeps in smallest corners, very glide-active
- Does not resinify, completely bio-degradable
- Food-safe, dermatologically tested and completely harmless

Corrosion protection spray

Content [ml]	PU	Price/1 [EUR]	Order description	Article number
500	1		Corrosion protection spray	8 200 020 000

Application area

- To protect zinc-plated facade anchor screws from moisture and driving rain

Properties

- Protects permanently elastic from moisture and driving rain
- Can be sprayed up-side-down and reaches otherwise inaccessible corners and edges that are especially susceptible to corrosion
- Fast drying and non-dripping when applied evenly

Instructions for using galvanic zinc-plated facade anchor screws

(excerpt from ETA-10/0305)

The special screw made of galvanic zinc-plated steel may also be used outside, after careful installation and if the area of the screw head is protected against moisture and driving rain in such a way, that no moisture can enter the anchor shaft. This requires facade cladding of rain screen fixed in front of the screw head and the screw head has to be coated with a soft-plastic, permanently elastic, bitumen oil combination coat (e.g. car underbody coating or cavity protection).

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