



General catalogue Building Fasteners

Fastening technology for expert applications at the construction site



**Production site for
bi-met screws**
Plant "In der Aue", Bad Laasphe

Fastening technology for the **building industry**

The EJOT Construction Division caters to selected segments of the building industry. They include professional applications on building facades and installation solutions for technical facilities inside the building.

The aspiration to high product quality is not an end in itself for EJOT. Indeed, the user benefits from our screws and anchors. And so reliable installation also means low failure costs for the customer. Moreover, durable quality joints provide the best protection against expensive customer complaints. This is why we will continue to manufacture our strategic product lines to the highest quality standards in our plants, which are certified to ISO/TS 16949.

We convey to our customers expert knowledge about the use of our products. And if needs be, we are on hand with advice and support for fastening systems.

Other 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 installation engineers.

Innovative products are the key to success. We leave nothing to chance. We identify our customers' needs in-situ under real conditions on the job site. Communication from the market and about market requirements to the development departments is ensured by regular meetings between our technical experts and specialists and users from the international building industry. This is how we develop innovative product solutions that create a clear added value and inspire customers.



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We are involved

in relevant associations

EJOT is an active member of various trade associations and organisations.



Fachverband Baustoffe und Bauteile für vorgehängte hinterlüftete Fassaden e.V.
www.fvhf.de



Deutscher Schraubenverband e.V.
www.schraubenverband.de



Verband Fenster + Fassade
www.window.de



Fachverband Werkzeugindustrie e.V.
www.werkzeug.org



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



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



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



Global Fastener Alliance®
www.globalfasteneralliance.com



Informationsstelle Edelstahl Rostfrei
www.edelstahl-rostfrei.de



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



www.ppa-europe.eu



www.mcma.co.uk



We have a strong commitment **for sustainability**

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.



NEW

Experience and innovation

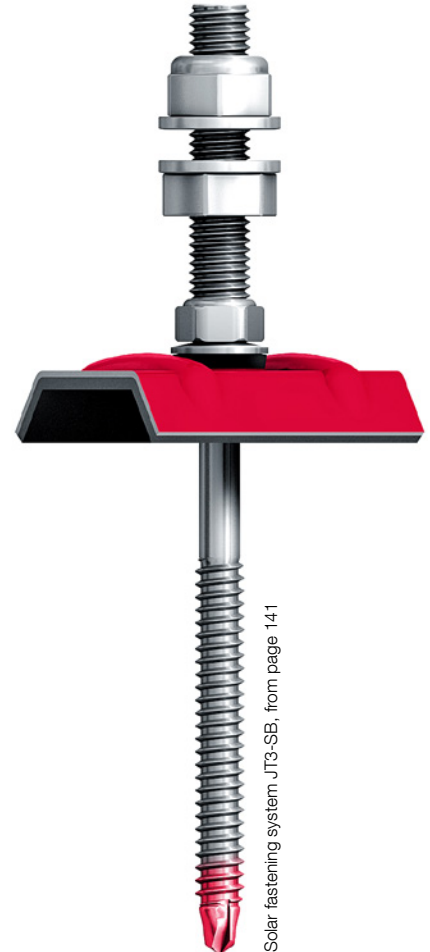
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Variations are possible!

Sealing washers

The catalogue contains the standard combination of our fasteners - depending on the screw type either with or without sealing washer. Further combinations are available upon request, please be aware that the packaging units may differ. Surcharges for alternative sealing washer combinations upon request.



Without sealing washer

Sealing washer
Ø 11/14/16 mm

Sealing washer
Ø 19 mm

Sealing washer
Ø 22 mm

Sealing washer
Ø 29 mm/PIZ

Now it's getting colourful!

RAL colours

Whether small or large - screws or rivets: EJOT can powder coat all standard RAL shades requested by the customer. Surcharges for coloured products and further colours upon request.



**On-site service**

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- Anchor pull-out tests
- Product training
- Repair service

**Engineering service**

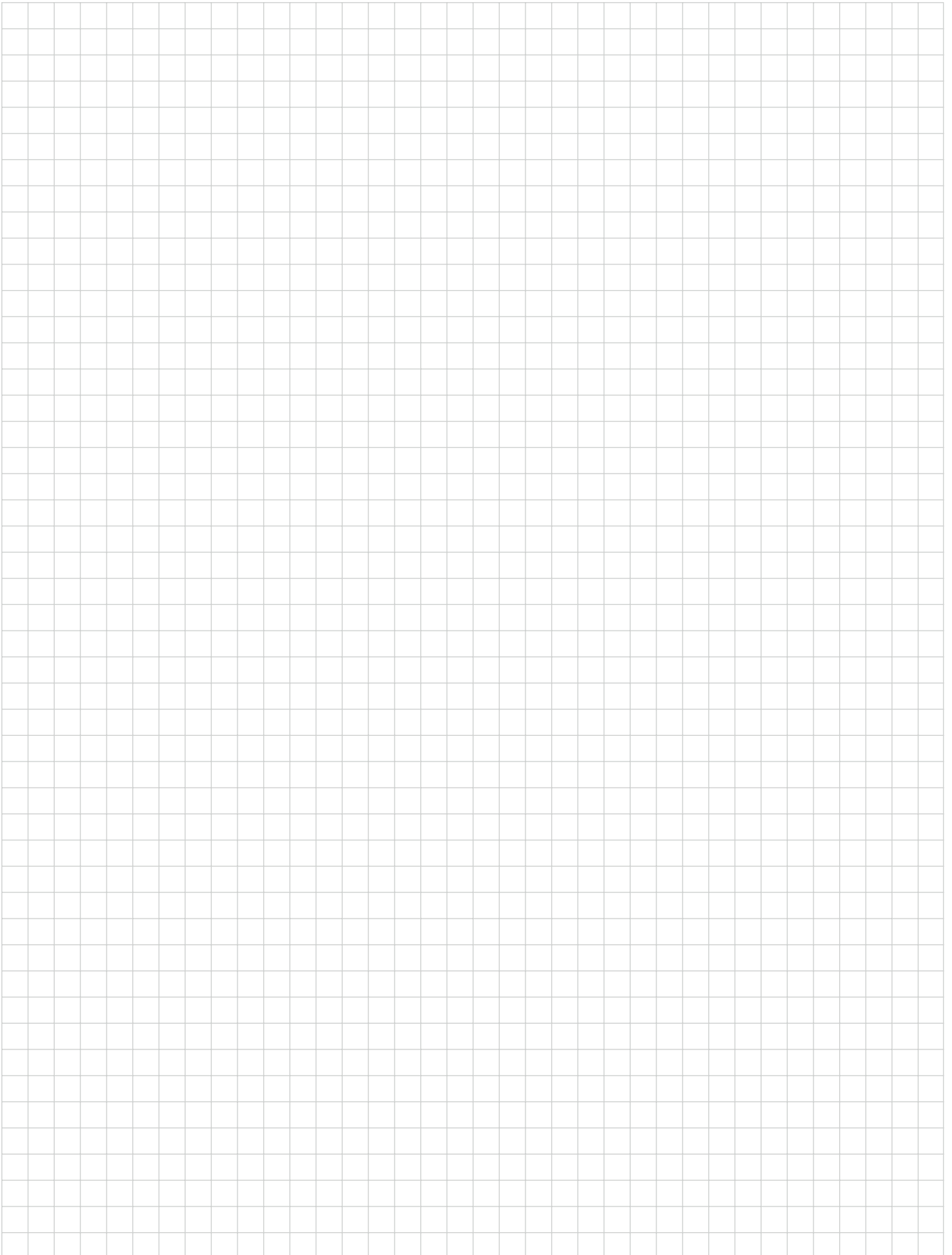
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- Approval assistant
- Factory and inspection certificates
- Initial sizing with rough bill of quantities
- Tender documents

**Individual consultation**

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- Application engineering advice



Self-drilling screws

Facade screws (rear-ventilated facades)

Direct assembly

Self-tapping screws

Orkan storm washers

Rivets

Fasteners for solar/photovoltaic

Scaffolding anchors

Pipe flashings

Flat roof fasteners

Anchor technology

Installation technology

Dry wall construction

Accessories

Machinery Spare parts Tools





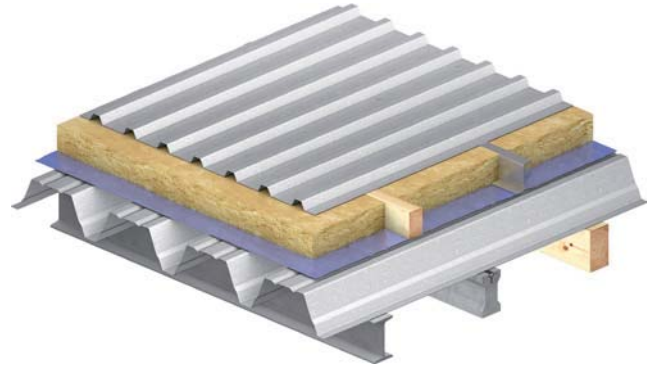
Self-drilling screws

Single-sheet profile roof
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Facade screws (rear-ventilated facades)

Double-sheet profile roof
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Direct assembly

Self-tapping screws

Orkan storm washers

Rivets

Double-sheet roof with seam or clamping profiles
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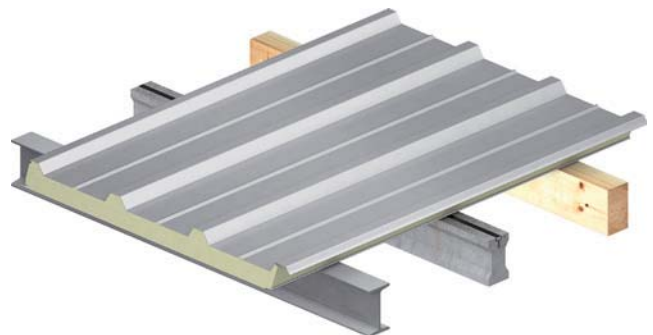
Fasteners for solar/ photovoltaic

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Roof with sandwich panels
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Anchor technology

Tin tile roof
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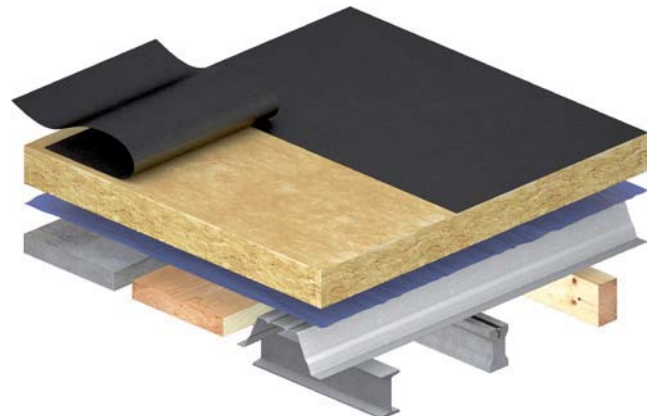
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Flat roof with waterproof membrane (uninsulated or insulated)
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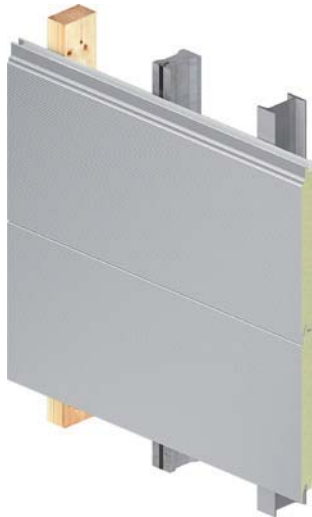
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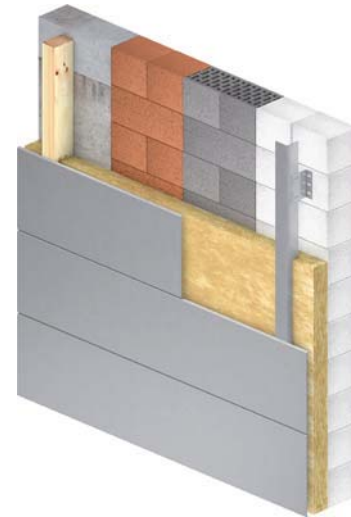
Profiled wall with cassette structure
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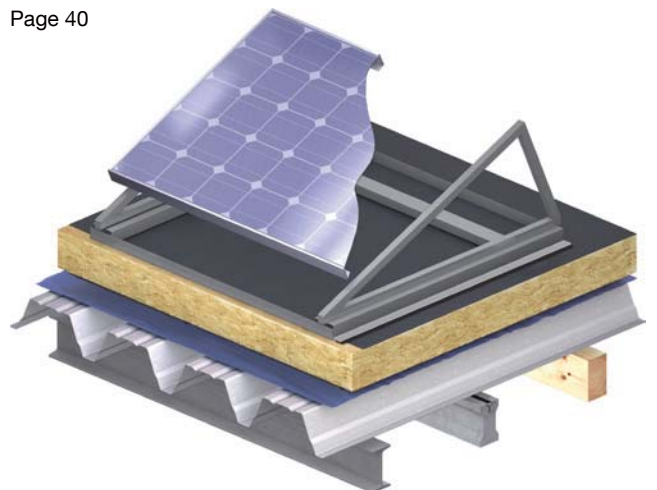
Rear-ventilated facade
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Fastening Systems for Solar Installations on steep roofs
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Fastening Systems for Solar Installations on flat roofs
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General information

Product recommendations

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 and external climate conditions or which have special demands on the fasteners due to the location of the building.

The application advice is only a recommendation without any claim to accuracy or completeness. Structural-physical measures such as the application of vapour barrier sheeting or the insertion of seal strips are not addressed. They need to be considered separately.

The assembly and installation guidelines provided by the component manufacturers and the IFBS guidelines have to be observed.

EJOT recommends ORKAN storm washer

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. ORKAN storm washers prevent an indentation of the crown and provide a very high degree of safety against rain water penetration.

Installation advice

Installation depth 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. The maximum installation depth is 78 mm.

For fastening a 0.75 mm trapezoidal steel profile with a 6.5 screw into timber, an installation depth of 50 mm has proven to be optimal in practical experience. The force ratio between the pull-out capacity and pullover load then remains approximately in the balance.

Pre-drilling in timber

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 EN 1090. A screw spacing of 500 mm has proven to be very practical. EJOT recommends the use of screws with a free spin zone in order to prevent stripping of the screws and a destruction of the sealing washers.

Determination of the screw length

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

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 screws 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 component II (substructure). The result is the minimum screw length of a self-tapping screw under consideration of sealing washer and uneven installation surface.

Quantity determination

General information

Spacing and position of the fastening elements can be obtained from the static analysis. However, it is very tedious and time-consuming to determine the exact number of screws. But a rough estimate of the required quantity is helpful for ordering or calculating.

Pre-dimensioning

In addition to the roofing membrane and fastener manufacturers, EJOT also offers the service of initial sizing with quantity determination for larger building projects. The result of this initial sizing depends directly on the quality of the available data. EJOT offers a questionnaire that contains the most important information for the determination of the screw quantity.

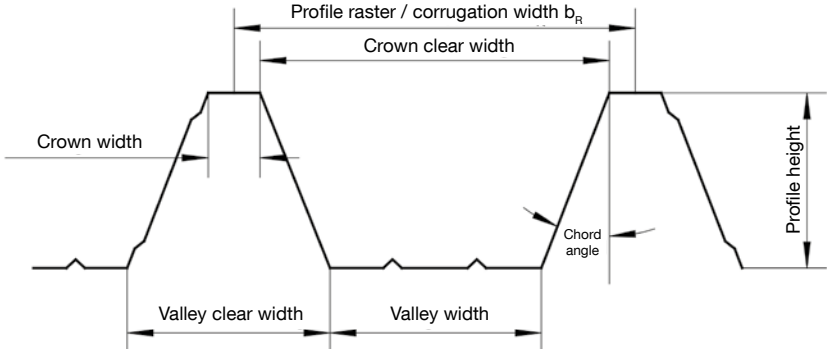
For the following quantities, standard constructions are assumed:

Steep roof

For a rough estimate of the fastener quantity it can be assumed that an average of **approx. 2 fastening screws and approx. 3 side lap screws per m² steep roof** are required.

Flat Roof

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

Mono-pitched roof	Dual-pitched roof
<p>Designations</p> 	
<p>Mounting screws</p> $N = \left(\frac{B}{e} + 3\right) \cdot \frac{L}{2 \cdot b_R} \text{ resp. } N = \frac{L \cdot B}{2 \cdot e \cdot b_R} + \frac{3L}{2 \cdot b_R}$ $N_1 = 1,2 \cdot N$	<p>Mounting screws</p> $N = \left(\frac{B}{e} + 5\right) \cdot \frac{L}{2 \cdot b_R} \text{ resp. } N = \frac{L \cdot B}{2 \cdot e \cdot b_R} + \frac{5L}{2 \cdot b_R}$ $N_1 = 1,2 \cdot N$
<p>Side lap screws</p> $N_2 = \text{Roof- resp. wall surface [m}^2\text{]} \times 2,2 + (\text{Length of building [m]} + \text{width of building [m]}) \times 6$	



Self-drilling screws

Facade screws (rear-ventilated facades)

Direct assembly

Self-tapping screws

Orkan storm washers

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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																	
Self-drilling screw		T															
EJOFAST® self-drilling screw		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														
Stainless A2			4														
Stainless A4			9														
Self-tapping screw material																	
Stainless steel HCR (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®						PCS											
Countersunk flange head with TORX®						STS											
Flat head with TORX®						ZT											
Countersunk head						S											
Pan head with TORX®						LT											
Fibre cement						FZ											
Drill point with wings (Wing Drill)						WD											
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			
Stainless A2														E			
Aluminium														A			
Sealing washer diameter															[mm]		
Colour (4-digit RAL number)																	[RAL]

Screw types

Possible point styles



Self-drilling screw
(JT)



Drill point with wings
(WD)



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 Acu-
ment Intellectual Properties, LLC,
Troy Mich., US.

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 with
distance
(D)



Pan head with TORX®
(LT)



Fibre cement
(FZ)



Countersunk head with
TORX® and milling ribs



General building authorities approvals (abZ)

Z-14.1-4	Fasteners for structures with "cold profiles" made of sheet steel - in particular profiled steel panels
Z-14.1-421	Wall cassette system Isover Metac WS
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-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	Panel material Max Exterior F - Hexa for steps, platforms and balcony boards (FunderMax)
Z-30.3-6	Products, fasteners and components made of corrosion-resistant steels
Z-14.1-537	Mechanical fasteners for fixing aluminium components to each other, or with aluminium, steel or timber substructures

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 (abP)

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; JA3-6.5xL; JT3-3-5.5xL)
P-BWU02-148004	Self-drilling screws for fixing aluminium and stainless steel wall brackets to aluminium support profile substructures for rear-ventilated facade cladding ((JT4/JT9)-3H/5-5.5x19; (JT4/JT9)-3H/7-5.5x21)
P-BWU02-16812	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 (JT4-S-2-4.8xL)
P-BWU02-178006	Self-drilling screws for fixing aluminium and stainless steel wall brackets to aluminium bearing profile substructures for rear-ventilated facade cladding (VARIO)

General building authorities test certificate

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 generally 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 / Assessments (ETA)

ETA-13/0177	Fasteners for sandwich panels
ETA-07/0013	Fastening elements for roofing membrane systems
ETA-16/0089	Chemical anchors for installation into masonry
ETA-16/0107	Chemical anchors for installation into concrete
ETA-08/0040	Mechanical fasteners made of steel (tie pin) in combination with installation tools
ETA-14/0219	Anchor bolts for installation into cracked and non-cracked concrete (BA-V; BA-F; BA-E; BA-E HCR)
ETA-10/0200	Fasteners for metal components and sheet metal
ETA-10/0305	SDF-10V and SDF-10H plastic anchors for multiple use in concrete and masonry for non-structural applications
ETA-12/0502	SDP-10G plastic anchor for multiple fixing of non-load-bearing systems into aerated concrete
ETA-15/0027	Plastic anchors SDF-14A for multiple fixing of non-load-bearing systems into concrete, masonry and aerated concrete
ETA-15/0387	Plastic anchors SDF-8V for multiple fixing of non-load-bearing systems into concrete and masonry
ETA-06/0259	Deformation-controlled expansion anchor for multiple fixing of non-load-bearing systems into concrete (ceiling nail)
ETA-13/0441	Deformation-controlled expansion anchor for multiple fixing of non-load-bearing systems into concrete (LAL+)
ETA-13/0442	Deformation-controlled expansion anchor for fastening in non-cracked concrete (LAL+)
ETA-15/0514	Schraubanker
ETA-16/0123	Schraubanker

European Technical Approvals / Assessments are proof for the performance of a construction product within the sense of the Construction Products Directive. In Germany, ETAs are transposed 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 are 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 / assessment 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 harmonized 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 interest of the manufacturer the verifications presented to DIBT will be used as far as possible for the European procedure.

The European technical approval / assessment 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.

FM Approval

In addition to general building authorities and European Technical Approval, selected EJOT products also feature a product certification by the American mutual insurance company FM Global. The FM certification recognised both in Germany and internationally ensures compliance with the strictest quality and safety requirements.





Self-drilling screws

Facade screws (rear-ventilated facades)

Direct assembly

Self-tapping screws

Orkan storm washers

Rivets

Fasteners for solar/photovoltaic

Scaffolding anchors

Pipe flashings

Flat roof fasteners

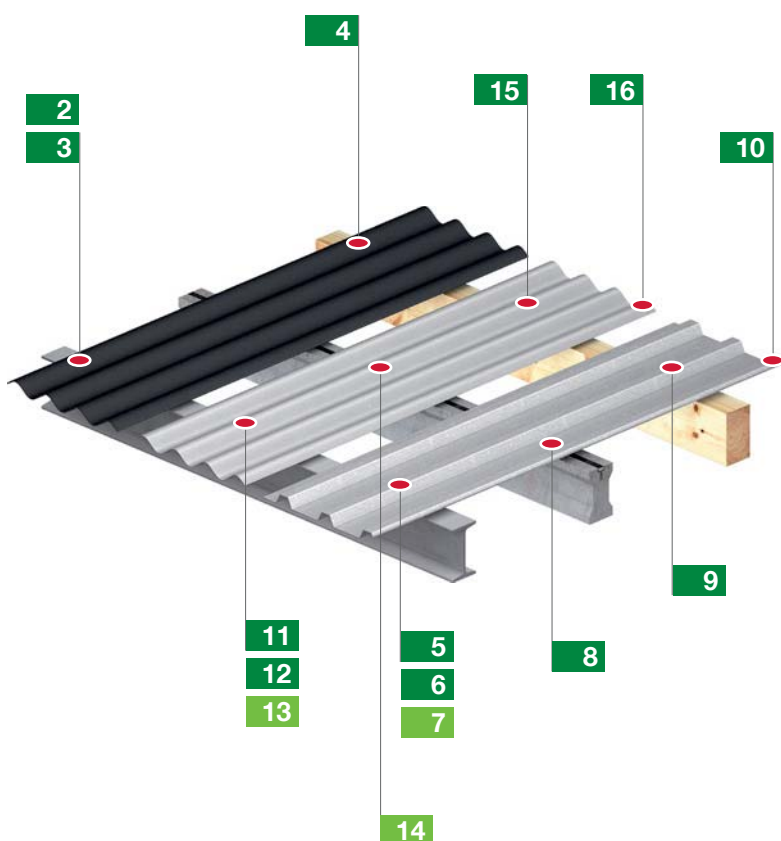
Anchor technology

Installation technology

Dry wall construction

Accessories

Machinery Spare parts Tools

**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]	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

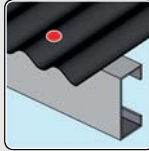
2 P. 60
Fibre cement board
to 1.5-5.0 mm steel
purlin



Self-drilling screw
JT2-FZ-6-6.3



3 P. 61
Fibre cement board
to 4.0-12.0 mm steel
purlin



Self-drilling screw
JT2-FZ-12-6.3



4 P. 61
Fibre cement board
to timber purlin
min. width 65 mm

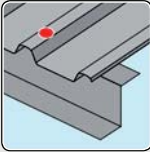


Self-drilling screw
JT2-FZ-F-6.5


U



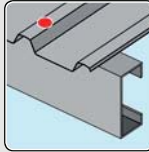
5 P. 79
Trapezoidal profile
to steel purlin
1.5-5.0mm




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



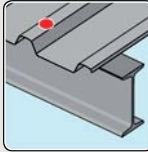

6 P. 81
Trapezoidal profile
to steel purlin
4.0-12.0mm




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



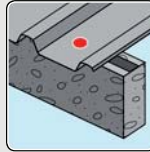

7 P. 116
Trapezoidal profile
to steel purlin
≥ 10.0 mm




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




8 P. 79
Trapezoidal profile
to 3.0 mm insertion
rail



Self-drilling screw
JT3-6-5.5x25-E22




9 P. 71
Trapezoidal profile
to timber purlin
min. width 65 mm




Self-drilling screw
JF3-6.8xL-E16
+ ORKAN storm washer



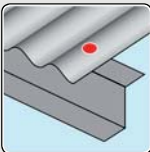

10 P. 68
Side lap stitching
trapezoidal profile
≤ 2 x 0.88 mm




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



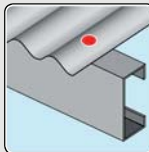

11 P. 79
Corrugated profile
sheet
to 1.5-5.0 mm steel
purlin




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



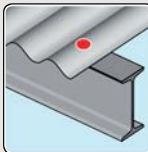

12 P. 81
Corrugated profile
sheet
to 4.0-12.0 mm steel
purlin




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



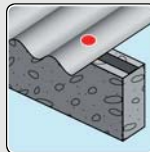

13 P. 116
Corrugated profile
sheet
to steel purlin
≥ 10.0 mm




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




14 P. 116
Corrugated profile
sheet
to 3.0 mm insertion
rail



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




15 P. 71
Corrugated profile
sheet
to timber purlin
min. width 65 mm



Self-drilling screw
JF3-6.8xL-E16
+ ORKAN storm washer




16 P. 75
Side lap stitching of
corrugated profile
sheet



Self-drilling screw
JT3-FR-2H-Plus-
5.5x25-E11






Self-drilling screws

Facade screws (rear-ventilated facades)

Direct assembly

Self-tapping screws

Orkan storm washers

Rivets

Fasteners for solar/photovoltaic

Scaffolding anchors

Pipe flashings

Flat roof fasteners

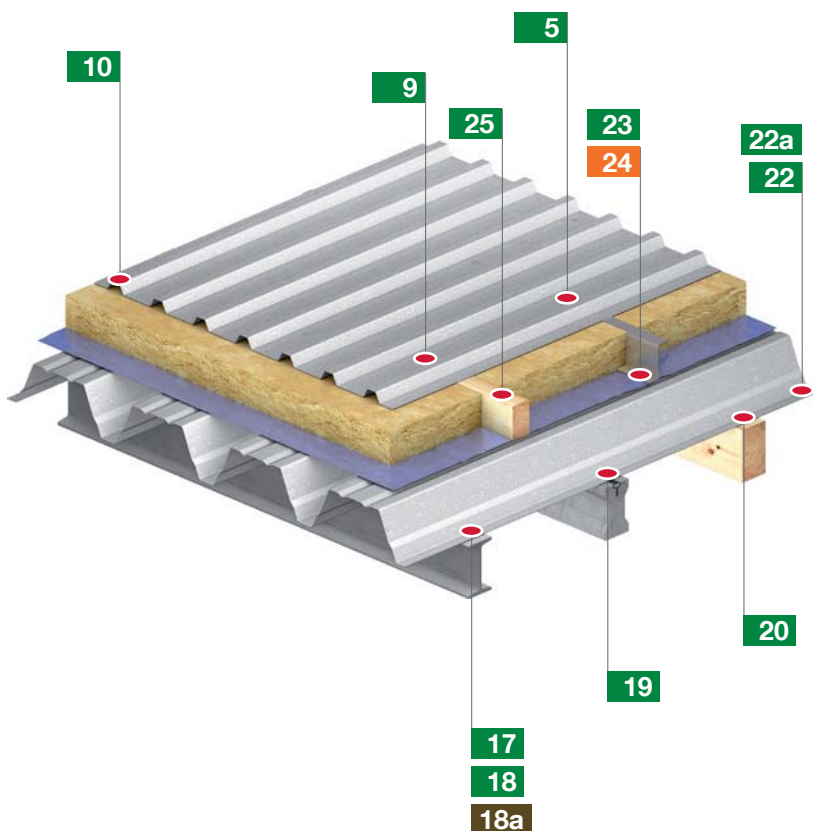
Anchor technology

Installation technology

Dry wall construction

Accessories

Machinery Spare parts Tools



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

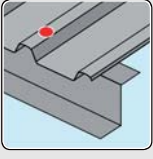
Determination of the screw length

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]	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. 79
Trapezoidal profile to steel purlin 1.5-5.0mm



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



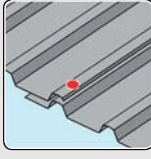

9 P. 71
Trapezoidal profile to timber purlin min. width 65 mm




Self-drilling screw JF3-6.8xL-E16 + ORKAN storm washer



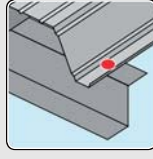

10 P. 68
Side lap stitching trapezoidal profile $\leq 2 \times 0.88$ mm




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



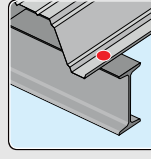

17 P. 54
Load-bearing shell to 1.5-6.0 mm steel purlin




Self-drilling screw JT2-6-5.5xL-V16



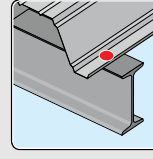

18 P. 55
Load-bearing shell to 4.0-12.0 mm steel purlin




Self-drilling screw JT2-12-5.5xL-V16



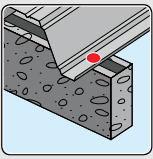

18a P. 109
Load-bearing shell to steel purlin ≥ 6.0 mm




Tie pin HSBR-14



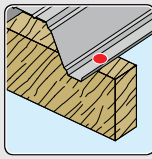

19 P. 54
Load-bearing shell to 3.0 mm insertion rail




Self-drilling screw JT2-6-5.5x25-V16



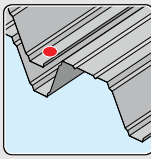

20 P. 77
Load-bearing shell to timber purlin min. width 65 mm




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



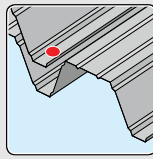

22 P. 49
Side lap stitching load-bearing shell $\leq 2 \times 0.88$ mm




Side lap screw JF2-2H-4.8x19




22a P. 52
Side lap stitching load-bearing shell $2 \times 1.0-2 \times 1.5$ mm




Self-drilling screw JT2-3-4.8x19



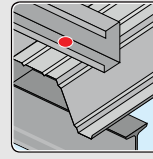

23 P. 74
Steel spacer 1.5-2.0 mm to load-bearing shell



Self-drilling screw JT3-2H-Plus-5.5xL-E16




24 P. 137
Steel spacer > 1.5 mm to load-bearing shell

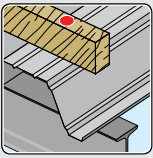


Bulbtite rivet ECORIV Alu 5.2xL


U



25 P. 86
Wooden spacer to load-bearing shell



Self-drilling screw JT3-ST-2-6.0xL




Self-drilling screws

Facade screws (rear-ventilated facades)

Direct assembly

Self-tapping screws

Orkan storm washers

Rivets

Fasteners for solar/ photovoltaic

Scaffolding anchors

Pipe flashings

Flat roof fasteners

Anchor technology

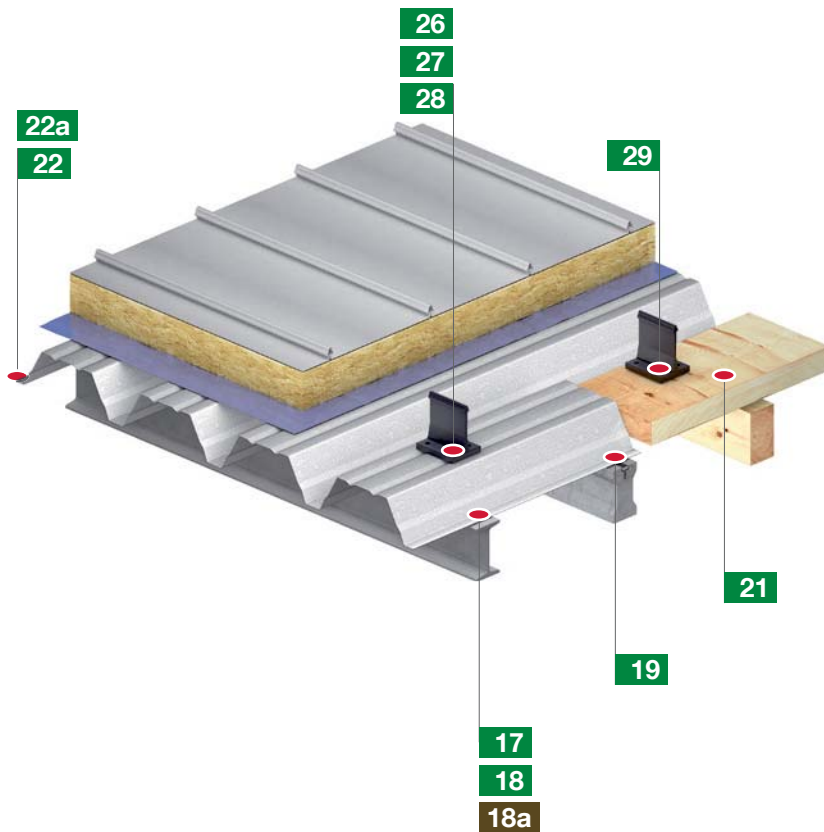
Installation technology

Dry wall construction

Accessories

Machinery Spare parts Tools





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.

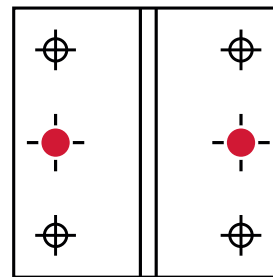
Application

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

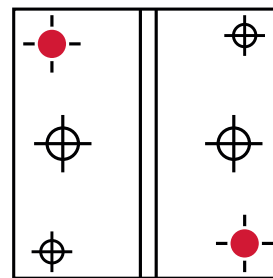
Notice

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 feature 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.




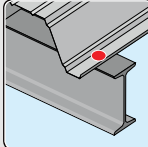


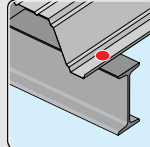


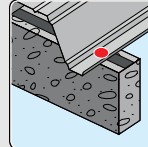


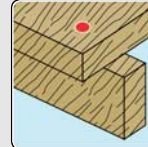


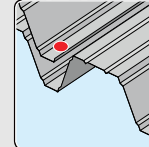


Position of the fastening elements

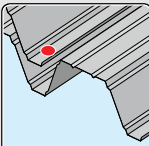


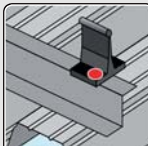


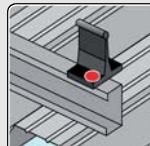


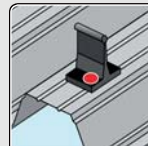







Set-up 1 (sealing washers must be used)



Set-up 2

<p>17 P. 54</p> <p>Load-bearing shell to 1.5-6.0 mm steel purlin</p>  <p>Self-drilling screw JT2-6-5.5xL-V16</p>  	<p>18 P. 55</p> <p>Load-bearing shell to 4.0-12.0 mm steel purlin</p>  <p>Self-drilling screw JT2-12-5.5xL-V16</p>  	<p>18a P. 109</p> <p>Load-bearing shell to steel purlin ≥ 6.0 mm</p>  <p>Tie pin HSBR-14</p>  	<p>19 P. 54</p> <p>Load-bearing shell to 3.0 mm insertion rail</p>  <p>Self-drilling screw JT2-6-5.5x25-V16</p>  	<p>21 P. 86</p> <p>Roof boarding/ OSB to timber purlin Min. width 65 mm</p>  <p>Self-drilling screw JT3-ST-2-6.0xL</p>  	<p>22 P. 49</p> <p>Side lap stitching load-bearing shell $\leq 2 \times 0.88$ mm</p>  <p>Side lap screw JF2-2H-4.8x19</p>  
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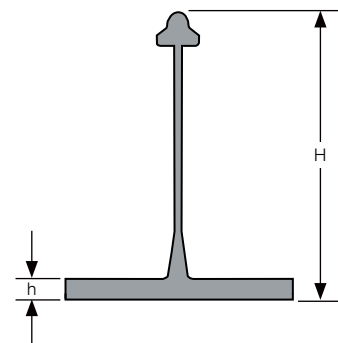
<p>22a P. 52</p> <p>Side lap stitching load-bearing shell $2 \times 1.0-2 \times 1.5$ mm</p>  <p>Self-drilling screw JT2-3-4.8x19</p>  	<p>26 P. 87</p> <p>Clip to spacer ≤ 1.5 mm</p>  <p>Self-drilling screw JT3-X-2-6.0xL</p>  	<p>27 P. 79</p> <p>Clip to 1.5-5.0 mm spacer</p>  <p>Self-drilling screw JT3-6-5.5xL</p>  	<p>28 P. 69</p> <p>Clip to trapezoidal profile $\leq 2 \times 1.0$ mm</p>  <p>Thin sheet metal screw JF3-2-5.5xL-E16</p>  	<p>29 P. 87</p> <p>Clip to roof boarding / OSB</p>  <p>Self-drilling screw JT3-X-2-6.0xL</p>  
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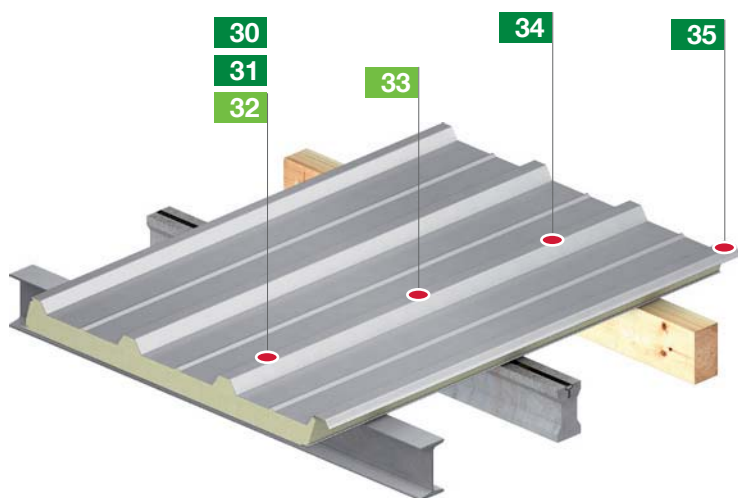
Determination of the screw length

h = dedendum of the clip

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 with polyurethane foam so they are shear-resistant. 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 kind 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

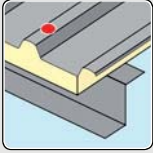
h = height sandwich panel or corrugated profile

L = screw length

Sandwich element to steel substructure						Sandwich element to insertion rail			Sandwich element to timber substructure		
1.5 - 5.0 mm		4.0 - 16.0 mm		≥ 16.0 mm		3.0 mm			Min. width 65 mm		
JT3-6-5.5xL-E16 + ORKAN storm washer		JT3-18-5.5xL-E16 + ORKAN storm washer		JZ3-6.3xL-E16 + ORKAN storm washer		JZ3-6.3xL-E16 + ORKAN storm washer			JF3-6.8xL-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	-	-	40 - 55	80	55 - 63	80		20 - 45	100	
40 - 60	90	40 - 60	115	40 - 70	90	65 - 73	90		40 - 65	120	
60 - 80	110	80 - 100	155	40 - 80	100	75 - 83	100		60 - 85	140	
80 - 100	130	120 - 140	195	50 - 95	115	90 - 98	115		80 - 105	160	
100 - 120	150	160 - 180	235	60 - 105	125	100 - 108	125		100 - 125	180	
120 - 140	170	200 - 220	275	70 - 115	135	110 - 118	135		120 - 145	200	
140 - 160	190	-	-	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. 79

Sandwich panel to
1.5-5.0 mm steel
purlin

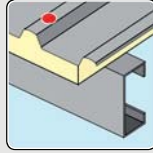


Self-drilling screw
JT3-6-5.5xL-E16
+ ORKAN storm washer



31 P. 82

Sandwich panel to
4.0-16.0 mm steel
purlin

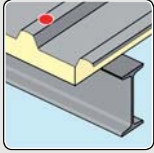


Self-drilling screw
JT3-18-5.5xL-E16
+ ORKAN storm washer



32 P. 116

Sandwich panel to
steel purlin
≥ 16.0 mm

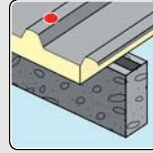


Self-tapping screw
JZ3-6.3xL-E16
+ ORKAN storm washer



33 P. 116

Sandwich panel to
3.0 mm insertion rail

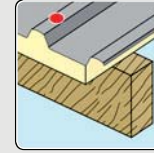


Self-tapping screw
JZ3-6.3xL-E16
+ ORKAN storm washer



34 P. 71

Sandwich panel to
timber purlin
min. width 65 mm

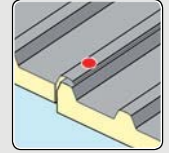


EJOFAST® wood screw
JF3-6.8xL
+ ORKAN storm washer



35 P. 68

Sandwich panel side
lap stitching



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



1 P. 77

Roofing sheet to
timber substructure



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



- Self-drilling screws
- Facade screws (rear-ventilated facades)
- Direct assembly
- Self-tapping screws
- ORKAN storm washers
- Rivets
- Fasteners for solar/photovoltaic
- Scaffolding anchors
- Pipe flashings
- Flat roof fasteners
- Anchor technology
- Installation technology
- Dry wall construction
- Accessories
- Machinery Spare parts Tools



Self-drilling screws

Facade screws (rear-ventilated facades)

Direct assembly

Self-tapping screws

Orkan storm washers

Rivets

Fasteners for solar/photovoltaic

Scaffolding anchors

Pipe flashings

Flat roof fasteners

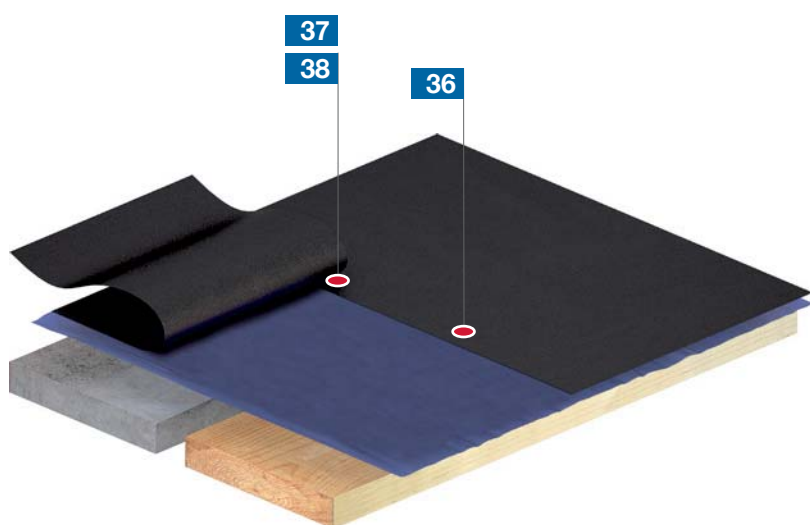
Anchor technology

Installation technology

Dry wall construction

Accessories

Machinery Spare parts Tools



Flat roofs

Description

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

Design 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

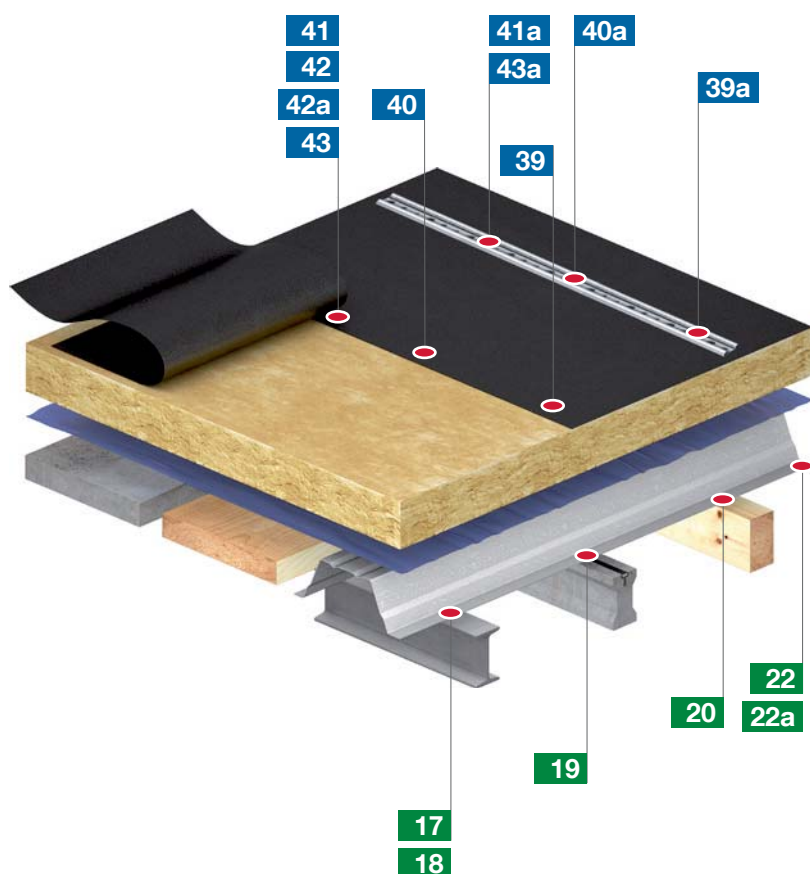
The system of loose laying with mechanical fixing of roof sealings as an economic flat roof system is well established especially in industrial construction. Special positive characteristics of mechanical fixing are:

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

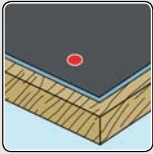
In case of renovation the currently valid flat roof guidelines require the use of corrosion resistant fasteners. For this case, stainless steel fasteners are available. As a rule, all steel fasteners are Climadur coated and meet the high corrosion protection requirements of ETAG 006 after 15 Kesternich 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.



36 P. 172

Waterproofing membrane to roof boarding / OSB

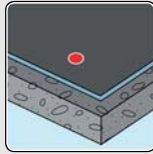


Dabo® screw
VHT-R-4.8xL
+ HTV-40 RU



37 P. 178

Waterproofing membrane to concrete

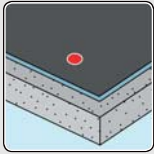


Concrete screw
FBS-R-6.3xL
+ HTV 82/40 F



38 P. 180

Waterproofing membrane to aerated concrete

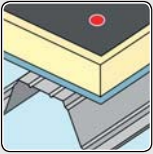


Aerated concrete screw
FPS-E-8.0xL
+ HTV 82/40 F



39 P. 170

Waterproofing membrane with insulation to trapezoidal profile

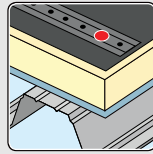


Dabo® screw
TKR-4.8xL
+ HTK 2GxL



39a P. 170

Waterproofing membrane with insulation to trapezoidal profile

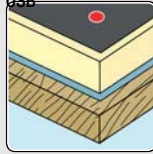


Dabo® screw
TKR-4.8xL+HTK-S
+ flat roof profile FP



40 P. 172

Waterproofing membrane with insulation to roof boarding / OSB

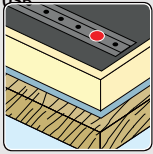


Dabo® screw
VHT-R-4.8xL
+ HTK 2GxL



40a P. 172

Waterproofing membrane with insulation to roof boarding / OSB

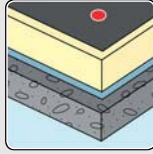


Dabo® screw
VHT-R-4.8xL + HTK-S
+ flat roof profile FP



41 P. 178

Waterproofing membrane with insulation to concrete

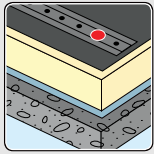


Concrete screw
FBS-R-6.3xL
+ EcoTek 50xL



41a P. 178

Waterproofing membrane with insulation to concrete

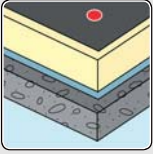


Concrete screw
FBS-R-6.3xL
+ flat roof profile FP



42 P. 179

Waterproofing membrane with insulation to concrete

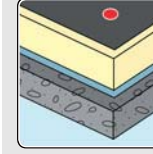


Concrete screw
JBS-R-7.5xL
+ EcoTek 50xL



42a P. 196

Waterproofing membrane with insulation to concrete and lightweight concrete

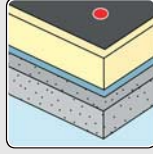


Flachdachdübel
FDD-Plus-50



43 P. 180

Waterproofing membrane with insulation to aerated concrete

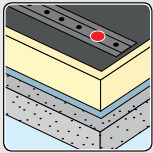


Concrete screw
FPS-E-8.0xL
+ EcoTek 50xL



43a P. 180

Waterproofing membrane with insulation to aerated concrete



Concrete screw
FPS-E-8.0xL
+ flat roof profile FP



- Self-drilling screws
- Facade screws (rear-ventilated facades)
- Direct assembly
- Self-tapping screws
- Orkan storm washers
- Rivets
- Fasteners for solar/ photovoltaic
- Scaffolding anchors
- Pipe flashings
- Flat roof fasteners
- Anchor technology
- Installation technology
- Dry wall construction
- Accessories
- Machinery Spare parts Tools



Self-drilling screws

Facade screws (rear-ventilated facades)

Direct assembly

Self-tapping screws

Orkan storm washers

Rivets

Fasteners for solar/photovoltaic

Scaffolding anchors

Pipe flashings

Flat roof fasteners

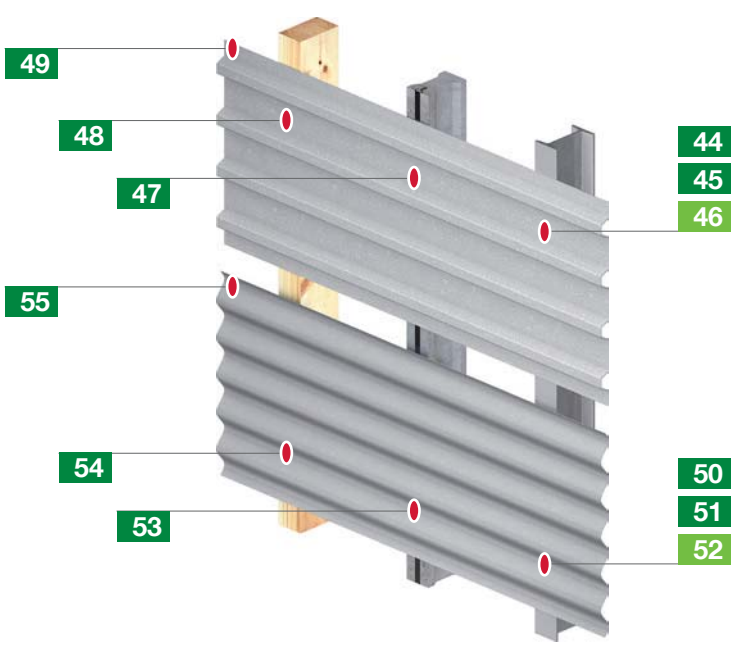
Anchor technology

Installation technology

Dry wall construction

Accessories

Machinery Spare parts Tools



Single-sheet profiled wall

Description

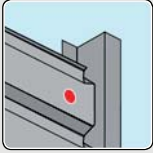
The trapezoidal profile is directly fastened to the post or rail and it is weather-exposed.

Application

- Simple sheds
- Carports
- Bicycle sheds

44 P. 79

Trapezoidal profile
to steel purlin 1.5-5.0
mm

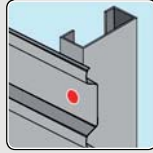


Self-drilling screw
JT3-6-5.5xL-E16



45 P. 81

Trapezoidal profile
to steel purlin
4.0-12.0mm

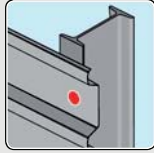


Self-drilling screw
JT3-12-5.5xL-E16



46 P. 116

Trapezoidal profile
to steel purlin
≥ 10.0 mm

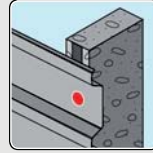


Self-tapping screw
JZ3-6.3xL-E16



47 P. 79

Trapezoidal profile
to 3.0 mm insertion
rail

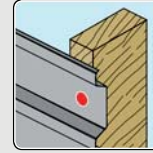


Self-drilling screw
JT3-6-5.5x25-E22



48 P. 77

Trapezoidal profile
to timber purlin
min. width 65 mm

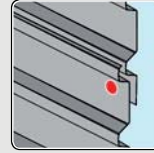


Self-drilling screw
JT3-2-6.5xL-E16



49 P. 68

Side lap stitching
trapezoidal profile
≤ 2 x 0.88 mm

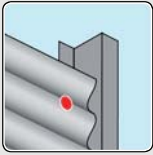


Side lap screw
JF3-2H-4.8x19-E14



50 P. 80

Corrugated
aluminium profile
sheet to 1.5-5.0 mm
steel purlin

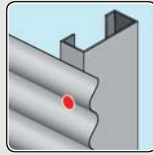


Self-drilling screw
JT3-FR-6-5.5xL-E11



51 P. 82

Corrugated
aluminium profile
sheet to 4.0-12.0
mm steel purlin

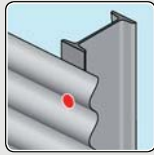


Self-drilling screw
JT3-FR-12-5.5xL-E11



52 P. 116

Corrugated
aluminium profile
sheet* to steel purlin
≥ 10.0 mm

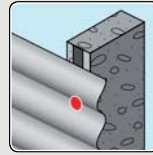


Self-tapping screw
JZ3-6.3xL-E16
*18/76 with E14



53 P. 80

Corrugated
aluminium profile
sheet to 3.0 mm
insertion rail

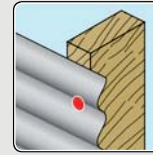


Self-drilling screw
JT3-FR-6-5.5x25-E11



54 P. 73

Corrugated
aluminium profile
sheet to timber purlin
min. width 65 mm



Self-drilling screw
JT3-FR-2-4.9x35-E11



55 P. 68

Side lap stitching of
corrugated
aluminium profile
sheet
≤ 2 x 0.88 mm



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





Self-drilling screws

Facade screws (rear-ventilated facades)

Direct assembly

Self-tapping screws

Orkan storm washers

Rivets

Fasteners for solar/photovoltaic

Scaffolding anchors

Pipe flashings

Flat roof fasteners

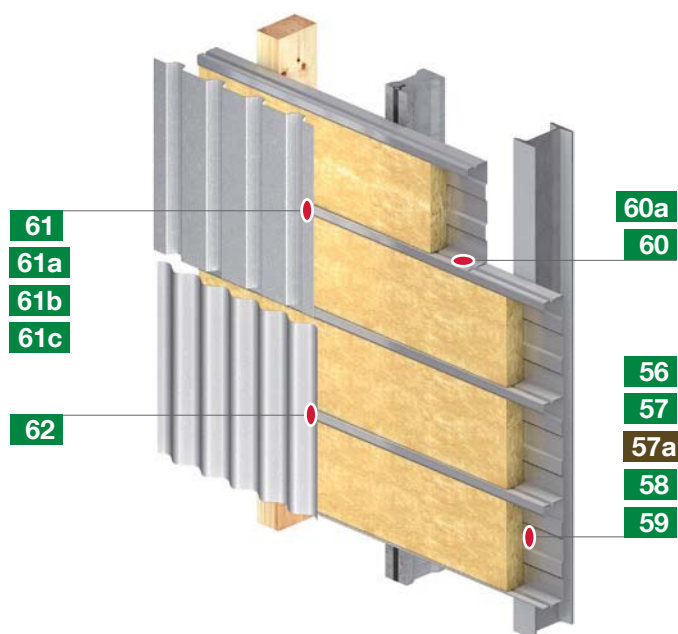
Anchor technology

Installation technology

Dry wall construction

Accessories

Machinery Spare parts Tools

**Notice**

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.

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 aids for the side lap stitching of cassettes.

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

Profiled wall with cassette structure**Description**

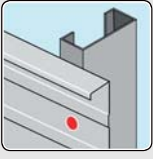
The cassette is directly fastened to steel supports. The outer sheet is fastened to the cassette bars and does not only serve as weather protection but also as bracing for the cassettes. The cassette wall positively serves as noise and fire protection. The insulating properties of a cassette wall are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

56 P. 54

Cassette
to 1.5-5.0 mm steel
purlin



Self-drilling screw
JT2-6-5.5xL-V16





57 P. 55

Cassette
to 4.0-12.0 mm steel
purlin

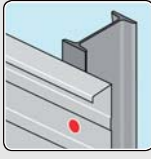


Self-drilling screw
JT2-12-5.5xL-V16





57a P. 109

Cassette
to steel purlin
≥ 6.0 mm

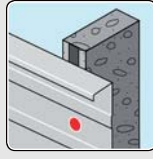


Tie pin
HSBR-14





58 P. 54

Cassette
to 3.0 mm insertion
rail



Self-drilling screw
JT2-6-5.5x25-V16




59 P. 71

Cassette
to timber purlin
min. width 65 mm



Self-drilling screw
JF3-6.8xL-E16




60 P. 68

Cassette side lap
stitching
≤ 2 x 0.88 mm

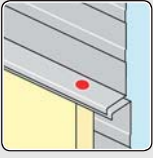


Side lap screw
JF3-2H-4.8x19-E14





60a P. 52

Cassette side lap
stitching
2 x 1.0-2 x 1.5 mm



Self-drilling screw
JT2-3-4.8x19




61 P. 74

Trapezoidal profile
to 2x0.63-2x1.25
mm cassette

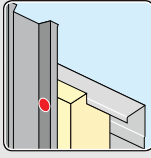


Self-drilling screw
JT3-2H-Plus-
5.5xL-E16





61a P. 67

Trapezoidal profile
to insulated cassette
(40 mm)

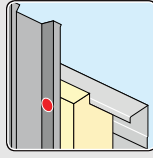


Self-drilling screw
JT3-2H-40-
6.0/6.0x64





61b P. 67

Trapezoidal profile
to insulated cassette
(60 mm)

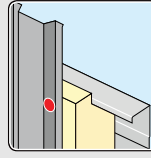


Self-drilling screw
JT3-2H-60-
6.0/6.0x84





61c P. 67

Trapezoidal profile
to insulated cassette
(80 mm)

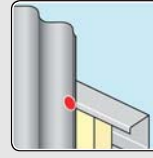


Self-drilling screw
JT3-2H-80-
6.0/6.0x104





62 P. 75

Corrugated profile
sheet
to 2x0.63-2x1.25
mm cassette



Self-drilling screw
JT3-FR-2H-Plus-
5.5xL-E11






Self-drilling screws

Facade screws (rear-ventilated facades)

Direct assembly

Self-tapping screws

Orkan storm washers

Rivets

Fasteners for solar/photovoltaic

Scaffolding anchors

Pipe flashings

Flat roof fasteners

Anchor technology

Installation technology

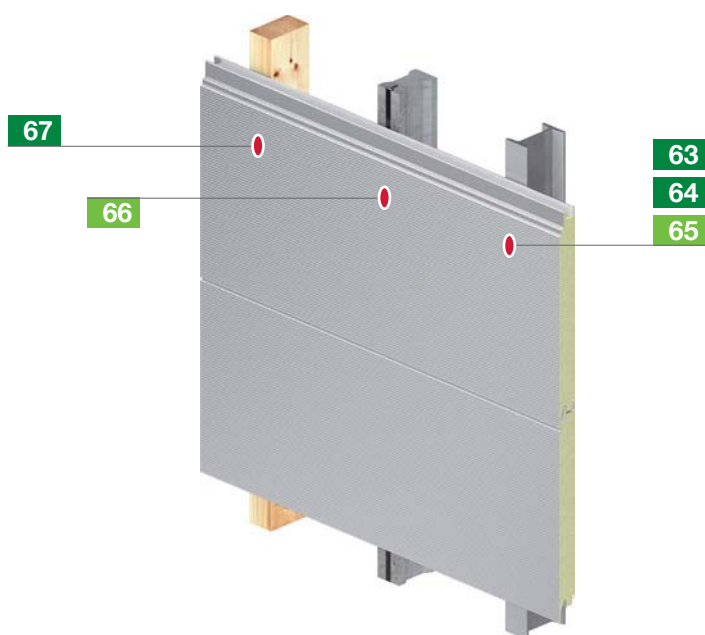
Dry wall construction

Accessories

Machinery Spare parts Tools

Machinery Spare parts Tools

Machinery Spare parts Tools



Notice

When using screws with high thread (JT3-D) indentations at the fixing points of sandwich panels can be reduced.

Wall with sandwich panels

Description

Sandwich panels are composite elements. They consist of two metallic layers that are usually connected with polyurethane foam so they are shear-resistant. The ratio of weight to load-carrying capacity is 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

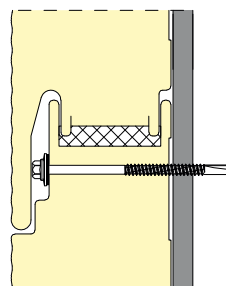


Fig. 1
Not visible sandwich panel installation

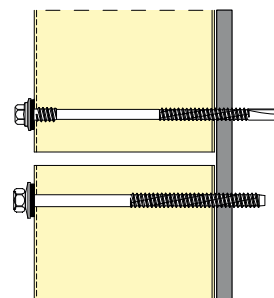
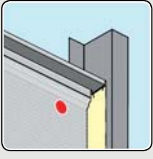



Fig. 2
Visible sandwich panel installation

63 P. 84
Sandwich panel to 1.5-5.0 mm steel purlin




Self-drilling screw
JT3-D-6H-5.5/6.3xL-E19




64 P. 82
Sandwich panel to 4.0-16.0 mm steel purlin




Self-drilling screw
JT3-18-5.5xL-E16



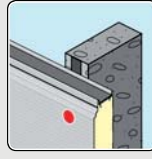

65 P. 116
Sandwich panel to steel purlin ≥ 16.0 mm




Self-tapping screw
JZ3-6.3xL-E19





66 P. 116
Sandwich panel to 3.0 mm insertion rail




Self-tapping screw
JZ3-6.3xL-E19




67 P. 71
Sandwich panel to timber purlin min. width 65 mm



EJOFAST® wood screw
JF3-6.8xL

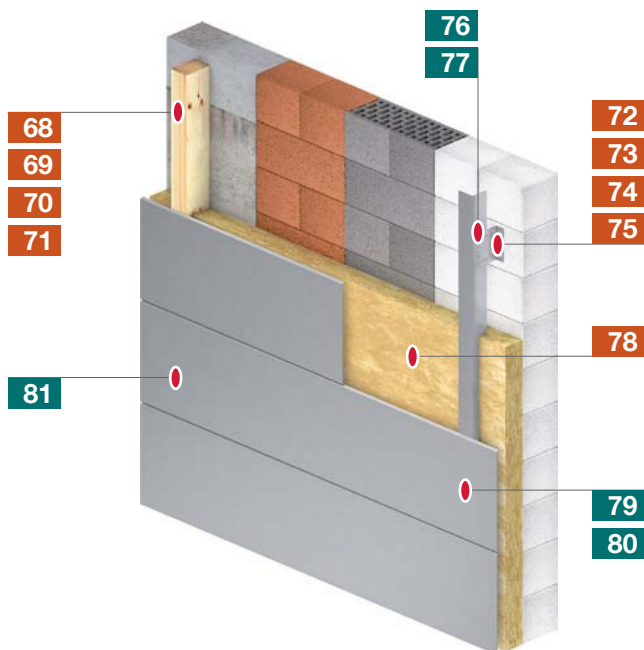



Determination of the screw length

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 - 16.0 mm		≥ 16.0 mm		3.0 mm		Min. width 65 mm	
JT3-D-6H-5.5/6.3xL-E19		JT3-18-5.5xL-E16		JZ3-6.3xL-E19		JZ3-6.3xL-E19		JF3-6.8xL-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	-	-	3 - 44	64	39 - 47	64	20 - 45	100
42 - 60	87	40 - 60	115	19 - 60	80	55 - 63	80	40 - 65	120
52 - 80	107	80 - 100	155	29 - 70	90	65 - 73	90	60 - 85	140
72 - 100	127	120 - 140	195	39 - 80	100	75 - 83	100	80 - 105	160
92 - 120	147	160 - 180	235	54 - 95	115	90 - 98	115	100 - 125	180
112 - 140	167	200 - 220	275	64 - 105	125	100 - 108	125	120 - 145	200
140 - 170	197	-	-	74 - 115	135	110 - 118	135	140 - 165	220
170 - 210	237	-	-	89 - 130	150	125 - 133	150	160 - 185	240
200 - 240	267	-	-	114 - 155	175	150 - 158	175	180 - 225	280
-	-	-	-	139 - 180	200	175 - 183	200	220 - 245	300



Notice

Substructures of rear-ventilated facades consist of various individual elements that need to be securely and effectively anchored with the building as well as with each other. Floating point fixings are characteristic for rear-ventilated facades. Their task is to allow thermally induced elongation of the different materials without forcing tension. EJOT has special solutions for every application.

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
- Composite materials
- Tiles
- Fibre-bound panels etc.

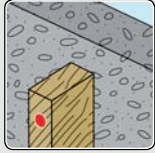
Benefits

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



68 P. 202

Fixing timber substructure to concrete

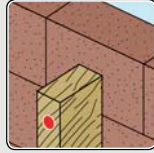


Facade anchors SDF-S-10VxL¹⁾



69 P. 202

Fixing timber substructure to solid brick

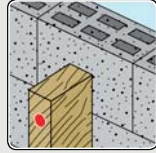


Facade anchors SDF-S-10VxL¹⁾



70 P. 204

Fixing timber substructure to hollow / perforated brick

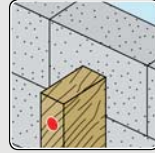


Facade anchors SDF-S-10HxL¹⁾



71 P. 208

Fixing timber substructure to aerated concrete



Facade anchors SDP-S-10GxL¹⁾

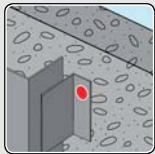


Note:

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.

72 P. 203

Fixing metal substructure to concrete

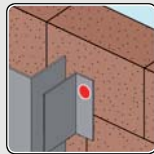


Facade anchors SDF-KB-10Vx50¹⁾



73 P. 203

Fixing metal substructure to solid brick

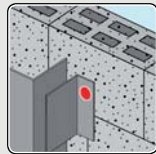


Facade anchors SDF-KB-10Vx60¹⁾



74 P. 205

Fixing metal substructure to hollow / perforated brick

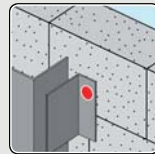


Facade anchors SDF-KB-10Hx80¹⁾



75 P. 209

Fixing metal substructure to aerated concrete

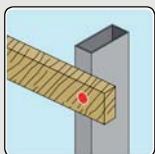


Facade anchors SDP-KB-10Gx80¹⁾



76 P. 106

Fixing timber to aluminium

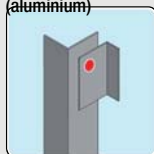


Self-drilling screw JT4-S-2-4.8xL



77 P. 96

Fixing wall bracket (stainless steel/ aluminium) to support profile (aluminium)

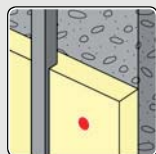


Self-drilling screw JT9-2/5-5.0 VARIO



78 P. 215

Insulation fixing

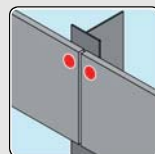


Insulation support anchor DH



79 P. 104

Facade panel to aluminium substructure 1.0-2.0 mm

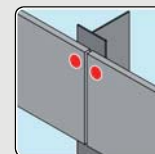


EJOFAST® screw JF3-LT-2-5.5 + centring bush



80 P. 103

Facade panel to steel substructure 1.0-3.0 mm

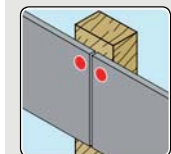


Self-drilling screw JT3-LT-3-5.5x25



81 P. 102

Facade panel to timber substructure



Self-drilling screw JT4-LT-2/6-6.0x50 + centring bush





Self-drilling screws

Facade screws (rear-ventilated facades)

Direct assembly

Self-tapping screws

Orkan storm washers

Rivets

Fasteners for solar/photovoltaic

Scaffolding anchors

Pipe flashings

Flat roof fasteners

Anchor technology

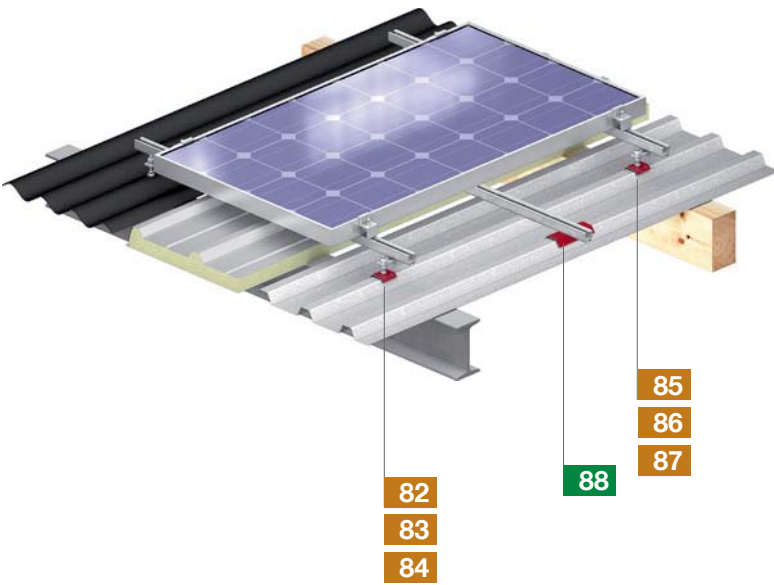
Installation technology

Dry wall construction

Accessories

Machinery Spare parts Tools

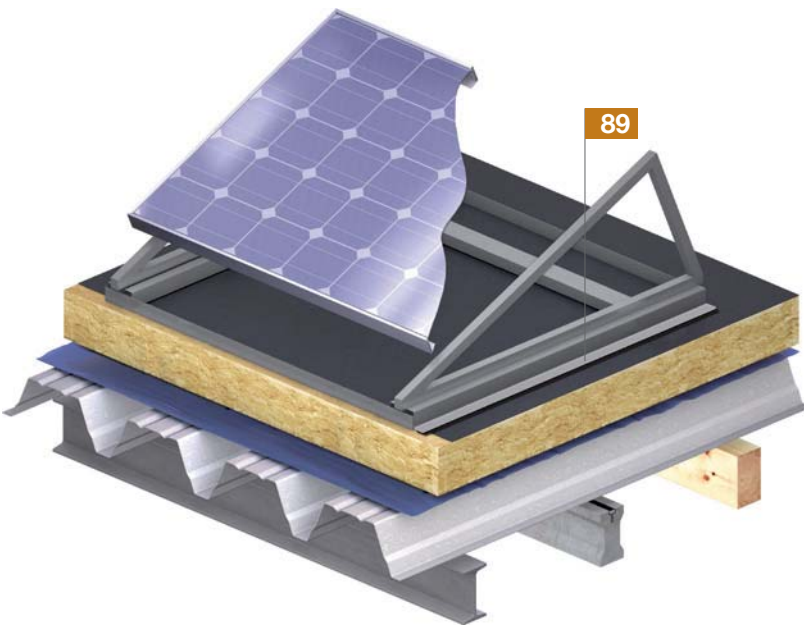
Machinery Spare parts Tools



Fastening systems for solar installations on steep roofs

Description

The EJOT Solar Fastening System is the first stainless steel fastening element approved by the German Institute for Construction Technology (DIBt) with which photovoltaic installations can be mounted to trapezoidal steel profiles and sandwich panel roofs. The Solar Fastening System 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.

82 P. 141

Solar Fastening System for trapezoidal profile to steel substructure



Solar Fastening System JT3-SB-8.0xL Storm washer





83 P. 141

Solar Fastening System for sandwich profile to steel substructure



Solar Fastening System JT3-SB-8.0xL Storm washer





84 P. 143

Solar Fastening System for fibre cement sheet to steel substructure



Solar Fastening System JT3-SB-8.0xL FZD





85 P. 142

Solar Fastening System for trapezoidal profile to timber substructure



Solar Fastening System JA3-SB-8.0xL Storm washer





86 P. 142

Solar Fastening System for sandwich profile to timber substructure




Solar Fastening System JA3-SB-8.0xL Storm washer







87 P. 144

Solar Fastening System for fibre cement sheet to timber substructure




Solar Fastening System JA3-SB-8.0xL FZD







88 P. 69

Trapezoidal sheet flashing to 0.4-1.25 mm steel substructure



Thin sheet metal screw JF3-2-5.5xL E16



89 P. 145

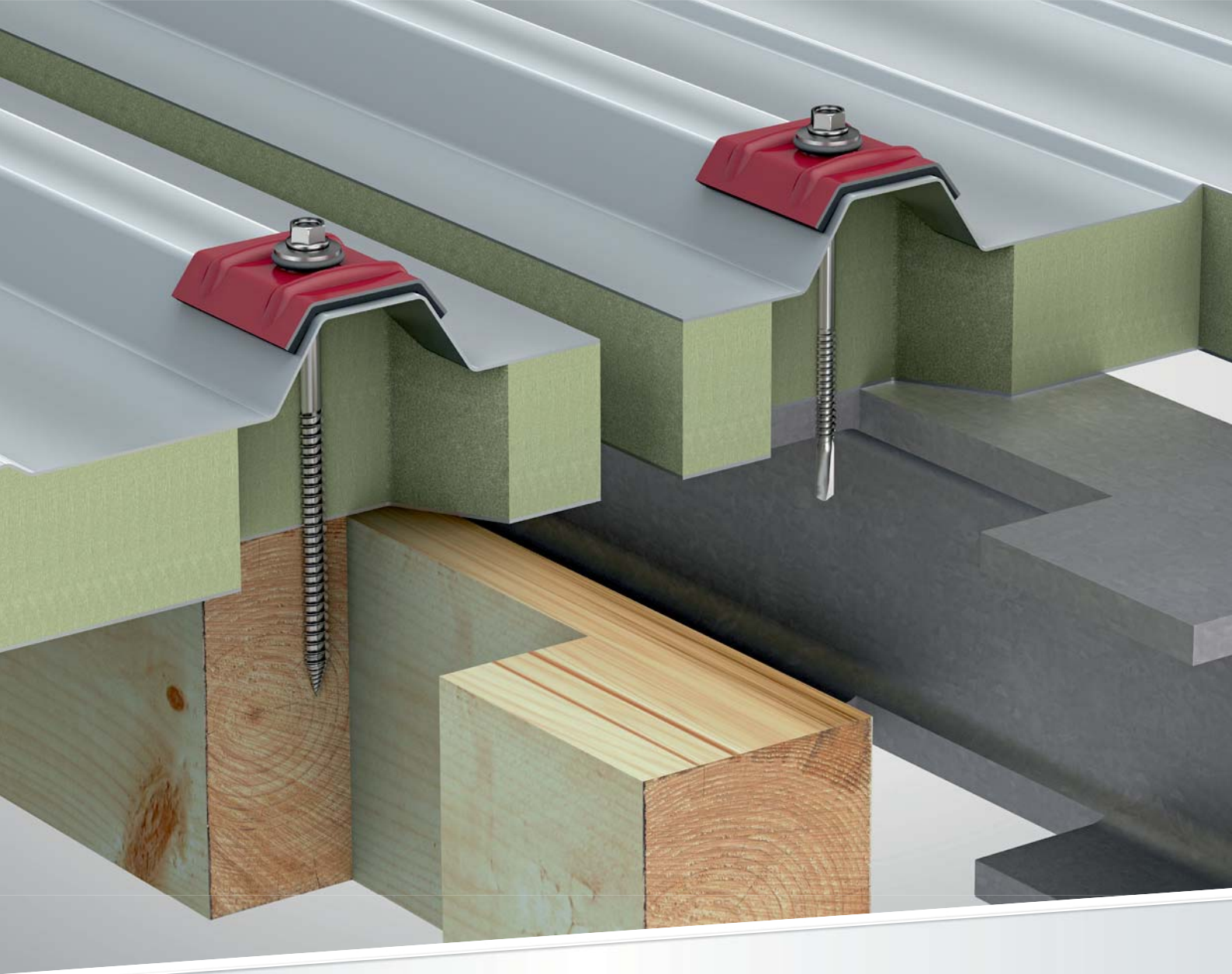
Fixing of protective mats to mounting profiles



Mat clip PV

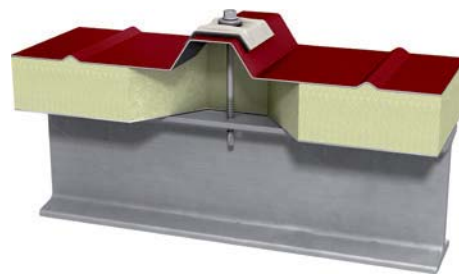
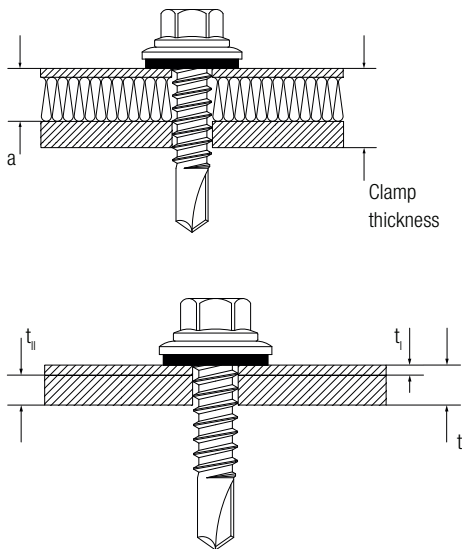



- Self-drilling screws
- Facade screws (rear-ventilated facades)
- Direct assembly
- Self-tapping screws
- Orkan storm washers
- Rivets
- Fasteners for solar/photovoltaic
- Scaffolding anchors
- Pipe flashings
- Flat roof fasteners
- Anchor technology
- Installation technology
- Dry wall construction
- Accessories
- Machinery Spare parts Tools



Self-drilling screws

Fast installation without pre-drilling



Application example 1

Fastening sandwich panel to steel purlin ≤ 16 mm on the crown:
 - ORKAN storm washer
 - Self-drilling screw JT3-18-5.5xL
 - Sealing washer E16



Application example 2

Fastening trapezoidal profile to steel purlin ≤ 16 mm on the crown:
 - ORKAN storm washer
 - Self-drilling screw JT3-18-5.5xL
 - Sealing washer E16



Application example 3

Fastening trapezoidal profile to steel purlin ≤ 16 mm in the valley:
 - Self-drilling screw JT3-18-5.5xL
 - Sealing washer E22

Self-drilling screw selection

For the right selection of the self-drilling screw, the clamp thickness and required drilling performance have to be specified.

Clamp thickness

The clamp thickness is calculated from the thickness of the attachment *a* plus the strength of the substructure. As a rule of thumb the following formula can be used:

Clamp thickness ≥ a + 6 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 = component t₁ + component t_{II}

For sandwich panels the following formula applies:

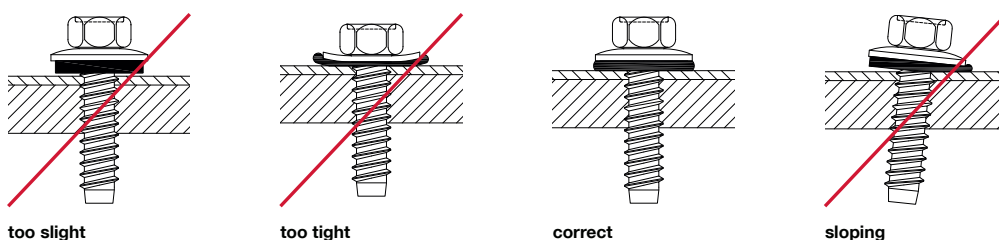
Drilling performance for sandwich panels

t = component t_{II}

Increased reliability when using sealing washers

EJOT recommends using sealing washers, also in combination with case-hardened steel screws that are used in unweathered areas. The risk of damaging the screw joint with improper installation (e.g. excessive tightening torque, slightly sloped clamping) is significantly reduced when using sealing washers.

Furthermore, the clamp load and thus the tensile stress in the screw are limited by the use of sealing washers. A direct exposure of the joint (protective surface coating damaged by the fastening process) is almost prevented - the risk of operational, hydrogen-induced embrittlement drops significantly.



Sealing washer correct installation

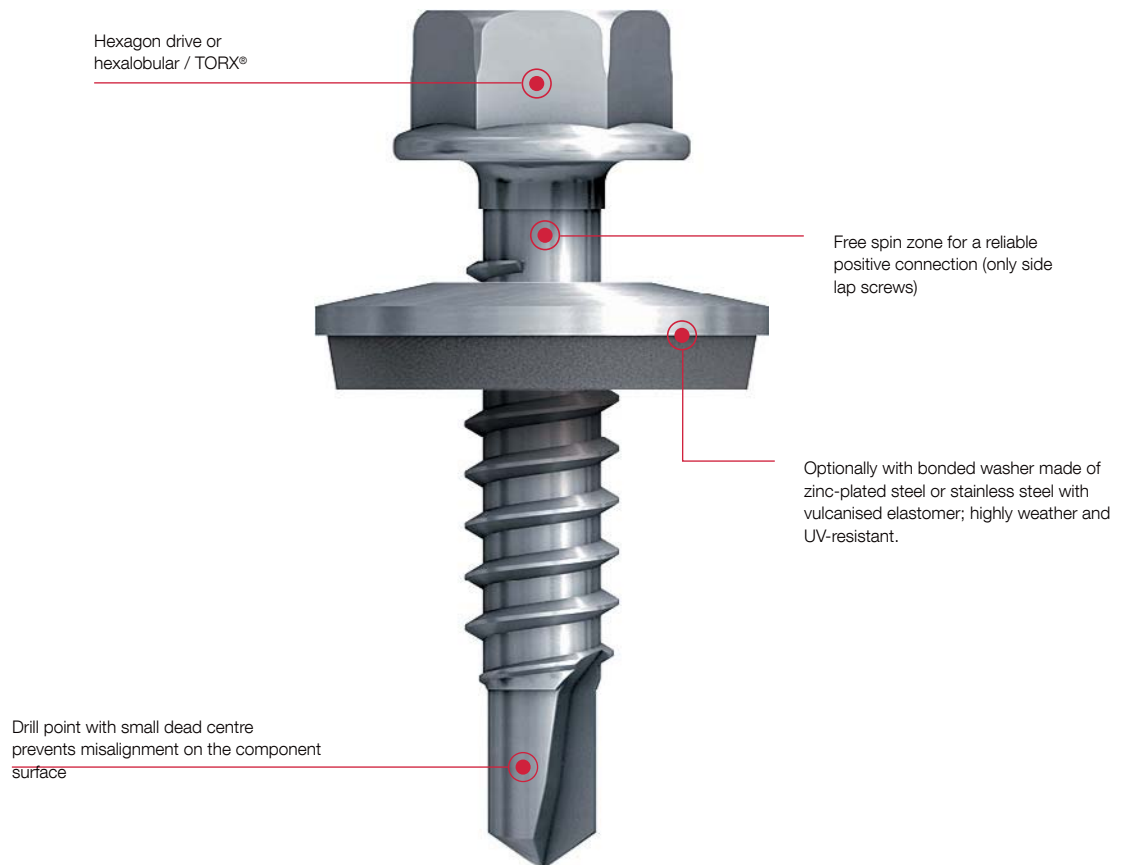
Screws with sealing washers must be installed using depth control. Deformation of the sealing washer (washer with elastomer seal) is prevented with the adjustable depth control on the screwdriver.

If the sealing washer is correctly installed, the rubber seal may overlap. Only if the metal back of the sealing washer changes from convex to concave, the joint is definitely too tight.






- Self-drilling screws
- Facade screws (rear-ventilated facades)
- Direct assembly
- Self-tapping screws
- Orkan storm washers
- Rivets
- Fasteners for solar/ photovoltaic
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- Machinery Spare parts Tools

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.



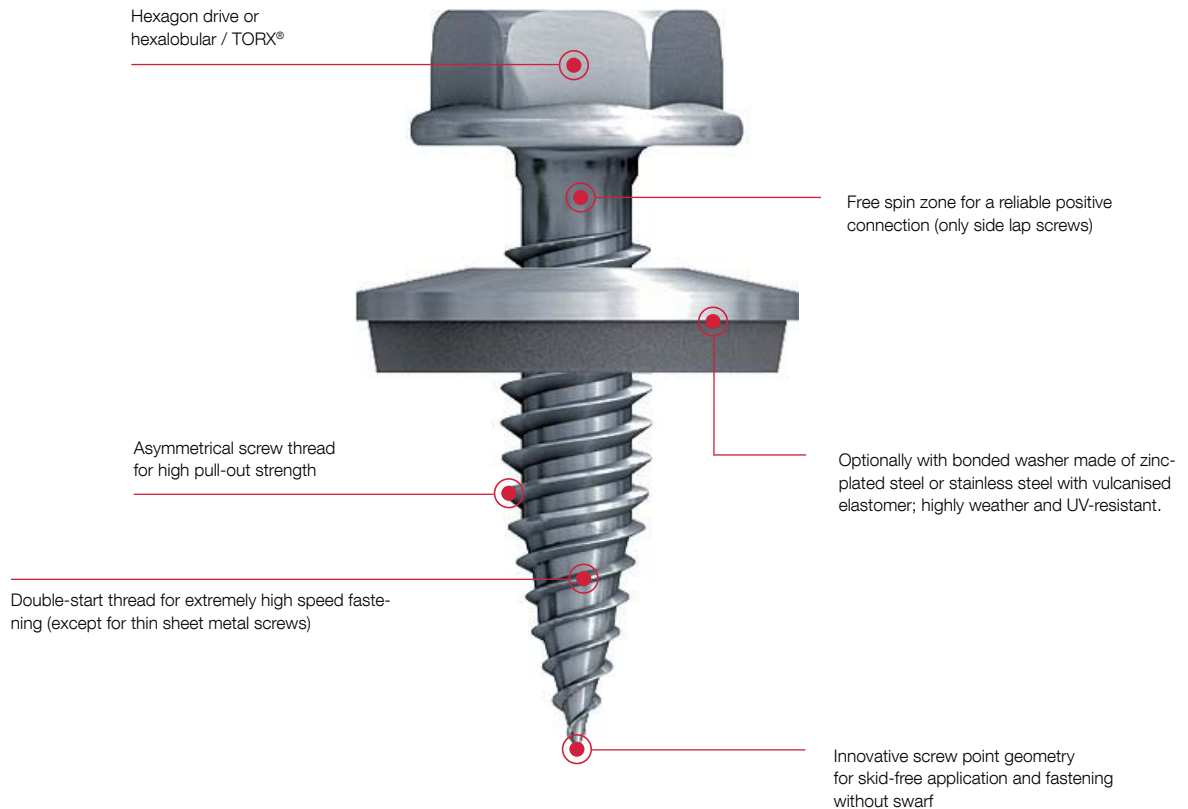
SAPHIR product overview

	SAPHIR JT2	SUPER-SAPHIR JT3	SUPER-SAPHIR JT6	Stainless steel SAPHIR JT4	Stainless steel SAPHIR JT9
Self-drilling screws with classic drill point					
Material	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
For components made of	Steel	Steel or aluminium	Steel or aluminium	Aluminium	Aluminium
Max. drilling capacity [mm]	18.0	18.0	18.0	6.0	6.0





EJOFAST® screws

Fast. Without swarf*. Reliable. EJOFAST® screws are self-drilling screws without the conventional 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.

***Without swarf**
means that - contrary to conventional self-drilling screws with classic cutting bit - ribbon swarfs, spiral swarfs or spiral swarf pieces are avoided.



EJOFAST® product range overview

	EJOFAST® Self-drilling screw JF2-2-4.2	EJOFAST® Self-drilling screw JF2-2H-4.8	EJOFAST® Self-drilling screw JF3-2H-4.8	EJOFAST® Self-drilling screw JF3-2-5.5	EJOFAST® Self-drilling screw JF3-6.8
Self-drilling screws with innovative point geometry					
Material	Steel Case-hardened zinc-plated	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	Steel or aluminium	Steel or aluminium	Steel or aluminium on timber
Max. drilling capacity steel [mm]	0.75 + 0.75	0.88 + 0.88	0.88 + 0.88	1.0 + 1.0	0.88

Corrosion protection

For the correct selection of mechanical fasteners, it is essential to consider the exposure to corrosion when installed. This is adversely affected, amongst other things, by air pollutants such as sulfur dioxide or salty atmospheres in coastal areas. But even factors such as humidity can lead to corrosion on screws and fasteners with insufficient surface coating or wrong choice of materials and thus permanently damage the connection.

Corrosivity categories

In order to determine the existing exposure to corrosion, the DIN EN ISO 12944-2 classifies the atmospheric environmental conditions into the adjacent six corrosivity categories.

Category	Explanation	Example
C1	insignificant	Heated indoor areas
C2	minimal	Rural areas, unheated buildings
C3	moderate	Urban and industrial areas
C4	high	Industrial and coastal areas
C5I	very high (industry)	Industrial areas with increased pollution
C5M	very high (sea)	Coastal and offshore areas

For environmental conditions \geq C2, the European Technical Assessments ETA-10/0200 and ETA-13/0177 demand the usage of fastening elements made of stainless steel. For mechanical fastening, further suitable measures to avoid galvanic corrosion between the individual components and between the components and the fastening element have to be taken.

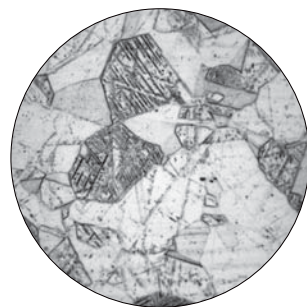
Stainless steel

The expression stainless steel comprises steel alloys with a considerably improved corrosion resistance compared to non-alloy steels.

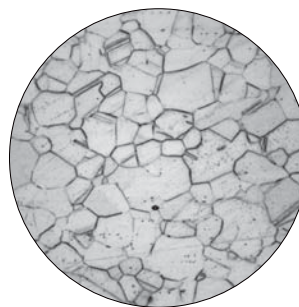
A minimum of 10.5% chromium content by mass is typical for these stainless steels. According to the DIN EN ISO 3506, mechanical fasteners can be produced from grade A2 or A4 stainless steels. Whereas A2 stainless steel fasteners are suitable for minimal and moderate exposures to corrosion, grade A4 stainless steels are required in areas with high exposure to corrosion. For applications with a very high exposure to corrosion, EJOT recommends the usage of fastening elements made of the material 1.4529 (High Corrosion Resistant - HRC). According to the German general building authorities approval Z-30.3-6, this material is assigned to the highest corrosion resistance category V.



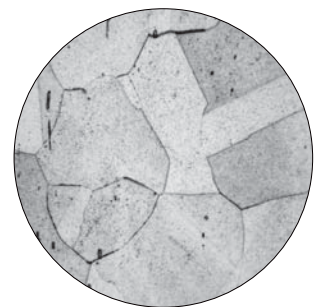
Micrograph
500 times magnification



A2 stainless steel
1.4301



A4 stainless steel
1.4401



Stainless steel HCR
1.4529

Galvanically zinc-plated

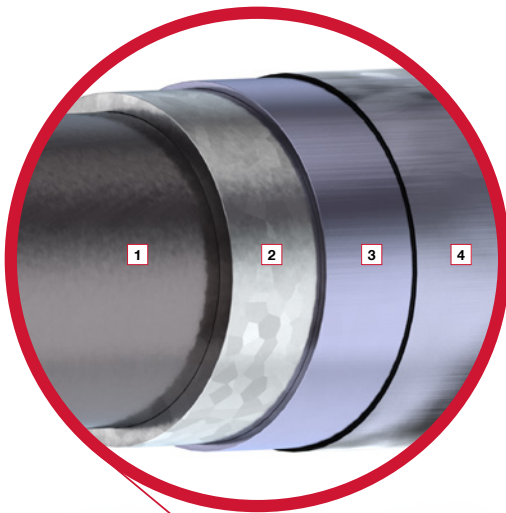
Zinc-plated steel screws are used in environments with insignificant exposures to corrosion such as indoor areas of heated buildings. The galvanisation only slightly increases the corrosion resistance of the fasteners. Concerning JT3 bi-met self-drilling screws, the galvanic zinc plating shall protect the drill point from corrosion during transport and storage. Furthermore, galvanic zinc layers serve as a functional layer to improve the installation parameters of self-drilling and self-tapping screws.

Climadur

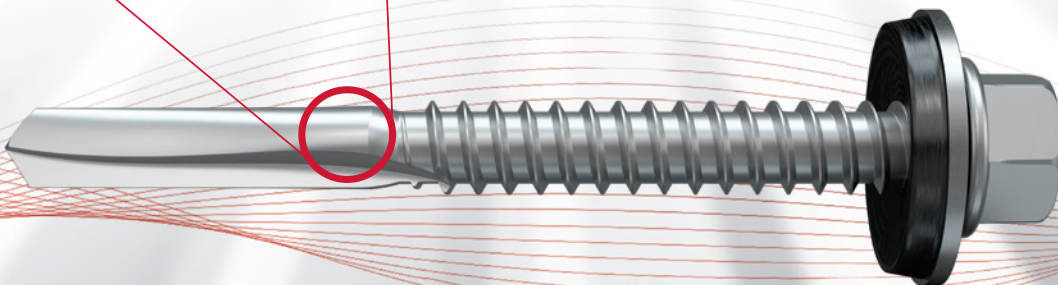
Compared to conventional galvanic zinc platings, the Climadur duplex coating offers a significantly higher corrosion protection. With a resistance of 15 Kesternich cycles (DIN 50018), the Climadur coating meets the requirements for mechanically fastened roof waterproofing systems according to ETAG 006.

EJOGUARD

Thanks to the combination of specifically concerted coatings, the EJOGUARD surface offers excellent corrosion properties. With a salt spray test resistance of one thousand hours according to DIN EN ISO 9227 and 15 Kesternich cycles according to DIN 50018, the application range of steel screws is significantly expanded, depending on national regulations.

**Multiple protection EJOGUARD:**

- 1** Carbon steel
- 2** Zinc coating
- 3** Organic coating
- 4** Additional sealing





EJOFAST® self-drilling screws

J2 made of case-hardened steel, zinc-plated



EJOFAST® self-drilling screw JF2-2-4.2



Length [mm]	 [mm]		Order description	Article number
13	0 - 5	1,000	JF2-2-4.2x13	7 381 300 609
16	0 - 8	1,000	JF2-2-4.2x16	7 381 600 609

Application range

- Efficient fixing of steel air ducts

Characteristics

- Case-hardened steel
- Fastening without swarf
- No cleaning of the ventilation ducts from drilling chips
- Non-skid application

Technical Specifications



Diameter	4.2 mm
Drilling capacity $t_1 + t_2$	0.75 + 0.75 mm
Drive	Hexagon AF7
Installation rotation speed	max. 1800 rpm



Cross references page
 Nut socket K-SW 7-1/4"x50 273
 Cordless screwdriver
 ASCS 6.3 257

EJOFAST® self-drilling screw JF2-2H-4.8



Length [mm]	 [mm]		Order description	Article number
Without sealing washer, loose				
19	0 - 9	1,000	JF2-2H-4.8x19	7 280 628 601
19	0 - 9	100	JF2-2H-4.8x19 VE100	6 280 628 601
Without sealing washer, collated				
19	0 - 9	500	JF2-2H-4.8x19 collated	3 375 000 000
Sealing washer V14, Ø 14 mm, loose				
19	0 - 6		JF2-2H-4.8x19-V14	3 591 951 694
Sealing washer V14, Ø 14 mm, collated				
19	0 - 6		JF2-2H-4.8x19-V14 collated	3 375 051 000

Application range

- Side lap stitching of profiled steel sheet

Technical Specifications

Diameter	4.8 mm
Drilling capacity $t_1 + t_2$	0.88 + 0.88 mm
Drive	Hexagon AF8
Installation rotation speed	max. 1800 rpm

Characteristics

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



Cross references page
 Nut socket K-SW8-1/4"x50 273
 Cordless screwdriver
 ASCS 6.3 257





Self-drilling screws
Facade screws (rear-ventilated facades)
Direct assembly
Self-tapping screws
Orkan storm washers
Rivets
Fasteners for solar/ photovoltaic
Scaffolding anchors
Pipe flashings
Flat roof fasteners
Anchor technology
Installation technology
Dry wall construction
Accessories
Machinery Spare parts Tools

EJOFAST® self-drilling screws

J2 made of case-hardened steel, zinc-plated

EJOFAST® self-drilling screw JF2-2-5.5



Length [mm]	 [mm]		Order description	Article number
Sealing washer V 16, Ø 16 mm				
25	0 - 7	500	JF2-2-5.5x25- V16	3 592 521 362

Application range

- Fastening components and brackets to thin-walled metal profiles

Characteristics

- Case-hardened steel, organic coated
- Pre-assembled sealing washer
- Non-skid application
- Fastening without swarf
- Excellent gripping properties

Technical Specifications



Diameter	5.5 mm
Drilling capacity $t_1 + t_{1i}$	0.8 + 0.8 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1800 rpm

Cross references

	page
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver ASCS 6.3	257

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



Length [mm]	 [mm]		Order description	Article number
Sealing washer A11, Ø 11 mm				
20		250	JT2-FR-2-4.8x20-A11	3 592 043 997

Application range

- Side lap stitching of profiled steel and aluminium sheets

Characteristics

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

Technical Specifications

Diameter	4.8 mm
Drilling capacity $t_1 + t_{1i}$	1.0 + 1.0 mm
Drive	Hexalobular drive T20
Installation rotation speed	max. 1800 rpm

Cross references

	page
Bit T25-1/4"x25	272
Cordless screwdriver ASCS 6.3	257



SAPHIR self-drilling screws

J2 made of case-hardened steel, zinc-plated



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



Length [mm]	 [mm]		Order description	Article number
Sealing washer V14, Ø 14 mm, loose				
20	0 - 6	500	JT2-2H/3-4.8x20-V14	3 592 251 644
Sealing washer V14, Ø 14 mm, collated				
20	0 - 6	1,000	JT2-2H/3-4.8x20-V14 collated	3 803 151 000

NOTE: Also available in RAL lacquering

Application range

- Side lap stitching of profiled steel sheet

Characteristics

- 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 Specifications



Diameter	4.8 mm
Drilling capacity $t_1 + t_2$	1.0 + 1.0 mm
Drive	Hexagon A/F8



Cross references	page
Nut socket K-SW8-1/4"x50 273	
Cordless screwdriver	
ASCS 6.3	257

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



Length [mm]	 [mm]		Order description	Article number
19	0 - 9	1,000	JT2-2H-4.8x19	3 592 200 644
19	0 - 9	100	JT2-2H-4.8x19 VE100	6 592 200 644

Application range

- Side lap stitching of profiled steel sheet

Characteristics

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

Technical Specifications

Diameter	4.8 mm
Drilling capacity $t_1 + t_2$	1.0 + 1.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1800 rpm





Cross references	page
Nut socket K-SW8-1/4"x50 273	
Cordless screwdriver	
ASCS 6.3	257



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



Length [mm]	 [mm]		Order description	Article number
Without sealing washer, loose				
19	0 - 11	1,000	JT2-3-4.8x19	3 592 200 634
19	0 - 11	100	JT2-3-4.8x19 VE100	6 592 200 634
25	0 - 17	500	JT2-3-4.8x25	3 592 400 634
38	0 - 30	500	JT2-3-4.8x38	3 592 600 634
Without sealing washer, collated				
19	0 - 11	500	JT2-3-4.8x19 collated	3 365 000 000
Sealing washer V14, Ø 14 mm, loose				
19	0 - 8	500	JT2-3-4.8x19-V14	3 592 251 634
25	0 - 14	500	JT2-3-4.8 x 25 V14	3 592 451 634
38	0 - 27	500	JT2-3-4.8 x 38 V14	3 592 651 634

Cross references page
Nut socket K-SW8-1/4"x50 273
Cordless screwdriver
ASCS 6.3 257

Application range

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

Characteristics

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



Technical Specifications

Diameter	4.8 mm
Drilling capacity $t_1 + t_2$	1.5 + 2.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1800 rpm



EJOT® SAPHIR self-drilling screw JT2-2Plus-5.5 EJOGUARD



Length [mm]	 [mm]		Order description	Article number
Without sealing washer				
19	0 - 6	500	JT2-2Plus-5.5x19 EJOGUARD	3 581 900 997
25	0 - 12	500	JT2-2Plus-5.5x25 EJOGUARD	3 592 500 997

Application range

- Side lap stitching of profiled steel sheet
- Fastening profiled steel sheet to 0.63–2.0 mm steel substructure

Characteristics

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

Technical Specifications



Diameter	5.5 mm
Drilling capacity $t_1 + t_2$	1.5 + 2.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1800 rpm



Cross references	page
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver ASCS 6.3	257

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



Length [mm]	 [mm]		Order description	Article number
Sealing washer V16, Ø 16 mm				
25	0 - 9	500	JT2-2H-Plus-5.5x25-V16 EJOGUARD	3 592 521 997

Application range

- Side lap stitching of profiled steel sheet
- Fastening profiled steel sheet to 0.4–2.0 mm steel substructure

Characteristics

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

Technical Specifications

Diameter	5.5 mm
Drilling capacity $t_1 + t_2$	1.5 + 2.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1800 rpm





Cross references	page
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver ASCS 6.3	257



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



Length [mm]	 [mm]		Order description	Article number
Sealing washer V16, Ø 16 mm				
19	0 - 4	500	JT2-6-5.5x19 V16	3 573 221 634
22	0 - 7	500	JT2-6-5.5x22-V16	3 573 321 634
25	0 - 10	500	JT2-6-5.5x25-V16	3 573 421 634
25	0 - 10	100	JT2-6-5.5x25-V16 VE100	6 573 421 634

Cross references

Nut socket K-SW8-1/4"x50	.....	273
Cordless screwdriver		
ASCS 6.3	.....	257

Application range

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

Characteristics

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



Technical Specifications

Diameter	5.5 mm
Drilling capacity $t_1 + t_2$	1.0 + 5.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1500 rpm



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



Length [mm]	 [mm]		Order description	Article number
Sealing washer V16, Ø 16 mm				
19	0 - 4	500	JT2-6-6.3x19-V16	3 574 221 634
22	0 - 7	500	JT2-6-6.3x22-V16	3 574 321 634
25	0 - 10	500	JT2-6-6.3x25-V16	3 574 421 634
25	0 - 10	100	JT2-6-6.3x25-V16 VE100	6 574 421 634
32	0 - 17	500	JT2-6-6.3x32-V16	3 574 521 634
38	0 - 23	500	JT2-6-6.3x38-V16	3 574 621 634

Cross references

Nut socket		
K-SW3/8"-1/4"x50	.....	273
Cordless screwdriver		
ASCS 6.3	.....	257

Application range

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

Characteristics



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

Technical Specifications

Diameter	6.3 mm
Drilling capacity $t_1 + t_2$	1.5 + 5.0 mm
Drive	Hexagon AF 3/8"
Installation rotation speed	max. 1500 rpm

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



Length [mm]	 [mm]		Order description	Article number
Sealing washer V16, Ø 16 mm				
35	0 - 10	500	JT2-12-5.5x35-V16	3 804 521 997
35	0 - 10	100	JT2-12-5.5x35-V16 VE100	6 804 521 997
50	0 - 25	250	JT2-12-5.5x50-V16	3 807 121 997
50	0 - 25	100	JT2-12-5.5x50-V16 VE100	6 807 121 997
65	6 - 40	250	JT2-12-5.5x65-V16	3 807 521 997
65	6 - 40	100	JT2-12-5.5x65-V16 VE100	6 807 521 997
80	21 - 55	200	JT2-12-5.5x80-V16	3 807 221 997
110	51 - 85	200	JT2-12-5.5x110-V16	3 807 321 997
130	71 - 105	200	JT2-12-5.5x130-V16	3 807 421 997

Application range

- Fastening profiled steel sheets to 4–12 mm steel substructure

Characteristics

- Case-hardened steel
- High-grade coating to improve the corrosion protection
- Steel sealing washer, zinc-plated
- Pre-assembled sealing washer

Technical Specifications

Diameter	5.5 mm
Drilling capacity $t_1 + t_2$	1.0 + 12.0 mm / 2.0 + 10.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1500 rpm





Cross references **page**
Nut socket K-SW8-1/4"x50 273
Cordless screwdriver
ASCS 6.3 257

EJOT® SAPHIR self-drilling screw JT2-18-5.5 EJOGUARD



Cross references

Nut socket K-SW8-1/4"x50	273
Cordless screwdriver ASCS 6.3	257

Length [mm]	 [mm]		Order description	Article number
Sealing washer V16, Ø 16 mm				
40	0 - 12	500	JT2-18-5.5x40-V16 EJOGUARD	3 914 021 997
60	0 - 32	250	JT2-18-5.5x60-V16 EJOGUARD	3 196 021 997
80	18 - 52	200	JT2-18-5.5x80-V16 EJOGUARD	3 198 021 997

Application range

- Fastening profiled steel sheets to 4–16 mm steel substructure

Characteristics



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

Technical Specifications

Diameter	5.5 mm
Drilling capacity $t_1 + t_2$	2.0 + 16.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1300 rpm

EJOT® SAPHIR self-drilling screw JT2-D-2-6.5/7.0 EJOGUARD



Length [mm]	 [mm]		Order description	Article number
Sealing washer E19, Ø 19 mm				
100	16 - 50	200	JT2-D-2-6.5/7.0x100-E19 EJOGUARD	3 561 021 624
120	36 - 70	150	JT2-D-2-6.5/7.0x120-E19 EJOGUARD	3 561 221 625
140	56 - 90	150	JT2-D-2-6.5/7.0x140-E19 EJOGUARD	3 561 421 624
160	76 - 110	100	JT2-D-2-6.5/7.0x160-E19 EJOGUARD	3 561 621 624
180	96 - 130	100	JT2-D-2-6.5/7.0x180-E19 EJOGUARD	3 561 821 624
200	116 - 150	100	JT2-D-2-6.5/7.0x200-E19 EJOGUARD	3 562 021 624
220	136 - 170	100	JT2-D-2-6.5/7.0x220-E19 EJOGUARD	3 562 221 624
240	156 - 190	100	JT2-D-2-6.5/7.0x240-E19 EJOGUARD	3 562 421 624
260	176 - 210	100	JT2-D-2-6.5/7.0x260-E19 EJOGUARD	3 562 621 624
280	196 - 230	100	JT2-D-2-6.5/7.0x280-E19 EJOGUARD	3 562 821 624
300	216 - 250	100	JT2-D-2-6.5/7.0x300-E19 EJOGUARD	3 563 021 624
360	276 - 310	50	JT2-D-2-6.5/7.0x360-E19 EJOGUARD	3 563 621 624
Order information: Other sealing washer combinations upon request				

Application range

- Fastening sandwich panels to timber substructure

Characteristics

- Case-hardened steel
- EJOGUARD corrosion protection
- Stainless steel sealing washer
- Pre-assembled sealing washer
- High thread

Technical Specifications

Diameter	6.5 mm
Drilling capacity $t_1 + t_2$	2.0 mm
Drive	Hexagon A/F8
Ø high thread	7.0 mm
Installation rotation speed	max. 1500 rpm



Cross references

	page
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257
Long screw support SH2	257

EJOT® SAPHIR self-drilling screw JT2-D-6-5.5/6.3 EJOGUARD



Length [mm]	[mm]		Order description	Article number
Sealing washer E19, Ø 19 mm				
62	35 - 48	250	JT2-D-6-5.5/6.3x62-E19 EJOGUARD	3 563 412 674
82	24 - 68	200	JT2-D-6-5.5/6.3x82-E19 EJOGUARD	3 563 612 674
102	44 - 88	200	JT2-D-6-5.5/6.3x102-E19 EJOGUARD	3 563 812 674
122	64 - 108	150	JT2-D-6-5.5/6.3x122-E19 EJOGUARD	3 567 012 674
152	94 - 138	100	JT2-D-6-5.5/6.3x152-E19 EJOGUARD	3 565 912 674
172	114 - 158	100	JT2-D-6-5.5/6.3x172-E19 EJOGUARD	3 566 412 674
192	134 - 178	100	JT2-D-6-5.5/6.3x192-E19 EJOGUARD	3 566 612 674
212	154 - 198	100	JT2-D-6-5.5/6.3x212-E19 EJOGUARD	3 566 712 674
232	174 - 218	100	JT2-D-6-5.5/6.3x232-E19 EJOGUARD	3 566 812 674
262	204 - 248	100	JT2-D-6-5.5/6.3x262-E19 EJOGUARD	3 566 912 674

Order information: Other sealing washer combinations upon request

Cross references

	page
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257
Long screw support SH2	257

Application range

- Fastening sandwich panels to 1.5–5 mm steel substructure

Characteristics



- Case-hardened steel
- EJOGUARD corrosion protection
- Stainless steel sealing washer
- Pre-assembled sealing washer
- High thread

Technical Specifications

Diameter	5.5 mm
Drilling capacity $t_1 + t_2$	6.5 mm
Drive	Hexagon A/F8
Ø high thread	6.3 mm
Installation rotation speed	max. 1300 rpm

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



Length [mm]	 [mm]		Order description	Article number
Sealing washer E19, Ø 19 mm				
80	40 - 59	200	JT2-D-12-5.5/6.3x80-E19 EJOGUARD	3 564 712 614
95	50 - 74	200	JT2-D-12-5.5/6.3x95-E19 EJOGUARD	3 564 912 614
115	60 - 94	150	JT2-D-12-5.5/6.3x115-E19 EJOGUARD	3 565 212 614
135	70 - 114	150	JT2-D-12-5.5/6.3x135-E19 EJOGUARD	3 565 412 614
155	90 - 134	150	JT2-D-12-5.5/6.3x155-E19 EJOGUARD	3 565 712 614
175	100 - 154	100	JT2-D-12-5.5/6.3x175-E19 EJOGUARD	3 565 812 614
195	120 - 174	100	JT2-D-12-5.5/6.3x195-E19 EJOGUARD	3 569 512 614
215	140 - 194	100	JT2-D-12-5.5/6.3x215-E19 EJOGUARD	3 569 612 614
235	160 - 214	100	JT2-D-12-5.5/6.3x235-E19 EJOGUARD	3 567 112 614
250	175 - 229	100	JT2-D-12-5.5/6.3x250-E19 EJOGUARD	3 567 212 614
275	200 - 254	100	JT2-D-12-5.5/6.3x275-E19 EJOGUARD	3 567 312 614
300	225 - 279	100	JT2-D-12-5.5/6.3x300-E19 EJOGUARD	3 567 412 614
Order information: Other sealing washer combinations upon request				

Application range

- Fastening sandwich panels to 3–12 mm steel substructure

Characteristics

- Case-hardened steel
- EJOGUARD corrosion protection
- Stainless steel sealing washer
- Pre-assembled sealing washer
- High thread

Technical Specifications

Diameter	5.5 mm
Drilling capacity $t_1 + t_2$	13 mm
Drive	Hexagon A/F8
Ø high thread	6.3 mm
Installation rotation speed	max. 1300 rpm



Cross references **page**

Nut socket K-SW8-1/4"x50	..... 273
Cordless screwdriver	
ASCS 6.3	..... 257
Long screw support SH2	..... 257

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



Length [mm]	Order description	Article number
110	JT2-FZ-6-6.3x110-FZD	3 512 275 664

Application range

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

Characteristics

- Case-hardened steel
- High-grade coating to improve the 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

Notice

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

Technical Specifications	
Diameter	6.3 mm
Drilling capacity t_d	6.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1500 rpm

Cross references

	page
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257
Long screw support SH2	257

SAPHIR self-drilling screws

J2 made of case-hardened steel, zinc-plated



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



Length [mm]		Order description	Article number
115	100	JT2-FZ-12-6.3x115-FZD	3 512 375 614

Application range

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

Characteristics

- Case-hardened steel
- High-grade coating to improve the 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

Notice

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

Technical Specifications

Diameter	6.3 mm
Drilling capacity t_p	12.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1500 rpm



Cross references page

Nut socket K-SW8-1/4"x50	..... 273
Cordless screwdriver	
ASCS 6.3	..... 257
Long screw support SH2	..... 257

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



Length [mm]		Order description	Article number
100	100	JT2-FZ-F-6.5x100-FZD*	3 515 175 608
130	100	JT2-FZ-F-6.5x130-FZD	3 515 675 608

*no approval

Application range

- Fastening corrugated fibre cement sheet to timber substructure

Characteristics

- 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

Notice

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 Specifications

Diameter	6.5 mm
Drive	Hexagon A/F8

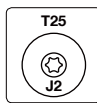
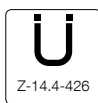




Cross references page

Nut socket K-SW8-1/4"x50	..... 273
Cordless screwdriver	
ASCS 6.3	..... 257
Long screw support SH2	..... 257
JT4-FZ-6.5x130 FZD	..... 93



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



Length [mm]	 [mm]		Order description	Article number
Full thread				
40	0 - 27	500	JT2-ST-2-6.0x40	7 282 110 609
60	15 - 47	500	JT2-ST-2-6.0x60	7 282 119 609
Partial thread (thread length 65 mm incl. drill point)				
80	15 - 67	250	JT2-ST-2-6.0x80	7 282 112 609
100	35 - 87	250	JT2-ST-2-6.0x100	7 282 113 609
120	55 - 107	250	JT2-ST-2-6.0x120	7 282 114 609
140	75 - 127	250	JT2-ST-2-6.0x140	7 282 115 609
160	95 - 147	100	JT2-ST-2-6.0x160	7 282 116 609
180	115 - 167	100	JT2-ST-2-6.0x180	7 282 117 609
200	135 - 187	100	JT2-ST-2-6.0x200	7 282 118 609

Cross references	page
Bit T25-1/4"x25	272
Bit holder BT-1/4"-1/4"x42	273
Cordless screwdriver	
ASCS 6.3	257
Flat roof profile FP	187
Stress plate EcoTek 50	192

Application range

- Fastening timber components to thin-walled steel substructures

Characteristics



- Case-hardened steel
- High-grade coating to improve the corrosion protection (15 Kesternich cycles, DIN 50018, 1997)
- With countersunk head

Technical Specifications

Diameter	6.0 mm
Drilling capacity $t_1 + t_2$	1.0 + 1.0 mm
Drive	Hexalobular drive T25
Installation rotation speed	max. 1500 rpm

EJOT® SAPHIR self-drilling screw JT2-ST-2-6.8



Length [mm]	 [mm]		Order description	Article number
205	130 - 195	100	JT2-ST-2-6.8x205	7282305609
245	170 - 235	100	JT2-ST-2-6.8x245	7282345609
285	210 - 275	100	JT2-ST-2-6.8x285	7282385609
325	250 - 315	100	JT2-ST-2-6.8x325	7282335609

Application range

- Fastening timber components to thin-walled steel substructures
- Fastening fixing rails to thin-walled steel and aluminium substructures

Characteristics

- Case-hardened steel
- High-grade coating to improve the corrosion protection (15 Kesternich cycles, DIN 50018, 1997)
- With countersunk head

Technical Specifications

Diameter	6.8 mm
Drilling capacity $t_1 + t_2$	1.0 + 1.0 mm
Drive	Hexalobular drive T25
Installation rotation speed	max. 1500 rpm



Cross references

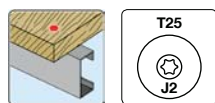
	page
Bit T25-1/4"x25	272
Bit holder BT-1/4"-1/4"x42	273
Cordless screwdriver	
ASCS 6.3	257
Flat roof profile FP	187





SAPHIR self-drilling screws

J2 made of case-hardened steel, zinc-plated

EJOT® SAPHIR self-drilling screw JT2-WD-5-5.5



Length [mm]	 [mm]		Order description	Article number
50	12 - 35	200	JT2-WD-5-5.5x50	7 289 206 601
60	12 - 45	200	JT2-WD-5-5.5x60	7 289 207 601
80	12 - 65	200	JT2-WD-5-5.5x80	7 289 208 601

Application range

- Special screw for fastening wood to steel substructures

Characteristics

- Case-hardened steel
- Zinc-plated, blue passivated finish
- The wings ream out the wood larger than the thread diameter
- The wings prevent force feeding of the screw and thus possible damage to the drill point

Notice

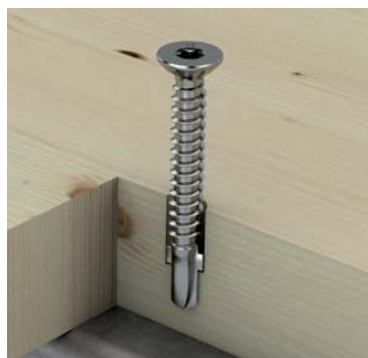
To ensure shearing of the wings, the material thickness of the steel substructure must be at least 2.5 mm.

Technical Specifications

Diameter	5.5 mm
Drilling capacity t_f	5.0 mm
Drive	Hexalobular drive T25

Cross references

	page
Bit T25-1/4"x25	272
Bit holder BT-1/4"-1/4"x42	273
Cordless screwdriver	
ASCS 6.3	257





No pre-drilling:

Right, left, right – done!

EJOT® spacer bolt for insulated cassette walls

The new spacer bolt with right-left-right thread for a perfect fastening of profiled ceiling elements and lesenes to insulated cassette wall systems. It saves time since a pre-drilling of the outer sheet is omitted and an easy disassembly of the facade system is possible.

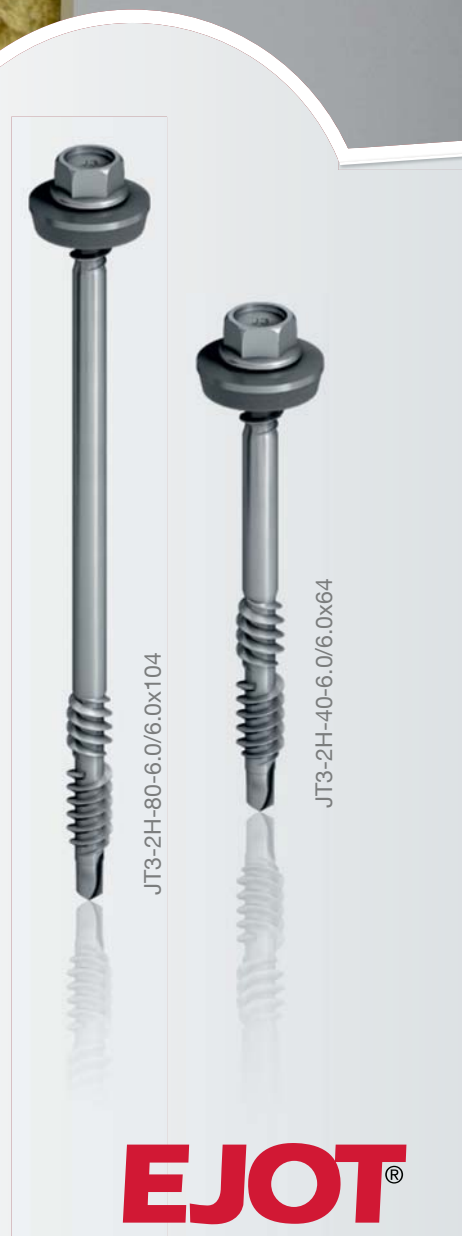


YouTube

YouTube video of the spacer bolt
in action:

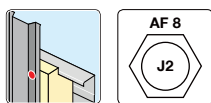
<https://youtu.be/j0rmJOG2-ds>

www.ejot.com



EJOT®

EJOT® SAPHIR self-drilling screw JT2-2H (40/60/80)-6.0/6.0



Length [mm]	For insulation [mm]		Order description	Article number
Sealing washer E19, Ø 19 mm				
64	40	-	JT2-2H-40-6.0/6.0x64	-
84	60	-	JT2-2H-60-6.0/6.0x84	-
104	80	-	JT2-2H-80-6.0/6.0x104	-

Application range

- Spacer bolt for fastening profiled steel and aluminium sheets to cassette bars with insulation
- Fastening lesenes to insulated cassette bars
- Also suitable for fastening shear-deformable wall claddings
- For 40, 60 and 80 mm insulations

Characteristics

- Case-hardened steel EJOGUARD
- Stainless steel sealing washer
- Pre-assembled sealing washer
- Special thread geometry allows a quick removal of the screw
- No pre-drilling of the outer shell required

Technical Specifications

Diameter	6.0 mm
Drilling capacity $t_1 + t_2$	1.25 + 2x 1.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1300 rpm

Cross references

	page
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257
Long screw support SH2	257



YouTube video of the spacer bolt in action:

<https://youtu.be/j0mJOG2-ds>


SUPER-SAPHIR self-drilling screws

J3 / J6 made of A2 / A4 stainless steel – with hardened steel drill point



EJOT® SUPER-SAPHIR self-drilling screw JT3-2H-(40/60/80)-6.0/6.0



Length [mm]	For insulation [mm]		Order description	Article number
Sealing washer E19, Ø 19 mm				
64	40	-	JT3-2H-40-6.0/6.0x64	-
84	60	-	JT3-2H-60-6.0/6.0x84	-
104	80	-	JT3-2H-80-6.0/6.0x104	-

Application range

- Spacer bolt for fastening profiled steel and aluminium sheets to cassette bars with insulation
- Fastening lesenes to insulated cassette bars
- Also suitable for fastening shear-deformable wall claddings
- For 40, 60 and 80 mm insulations

Characteristics

- A2 stainless steel with hardened drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer
- Special thread geometry allows a quick removal of the screw
- No pre-drilling of the outer shell required

Technical Specifications

Diameter	6.0 mm
Drilling capacity $t_1 + t_2$	1.25 + 2x 1.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1300 rpm



Cross references page

Nut socket K-SW8-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257
Long screw support SH2	257



YouTube video of the spacer bolt in action:

<https://youtu.be/j0rmJOG2-ds>





EJOFAST® self-drilling screw JF3-2H-4.8



Cross references

	page
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver ASCS 6.3	257

Length [mm]	 [mm]		Order description	Article number
Sealing washer E 14, Ø 14 mm, loose				
19	0 - 4	500	JF3-2H-4.8x19-E14	3 591 977 391
19	0 - 4	100	JF3-2H-4.8x19-E14 VE100	6 591 977 391
Sealing washer E 14. Ø 14 mm, collated				
19	0 - 4	500	JF3-2H-4.8x19-E14 collated	3 385 009 000

Application range

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

Characteristics

- A2 stainless steel with hardened steel drill point
- 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
- Loose or collated



Technical Specifications

Diameter	4.8 mm
Drilling capacity $t_1 + t_2$	0.88 + 0.88 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1800 rpm



EJOFAST® self-drilling screw JF3-2-5.5



Length [mm]	 [mm]		Order description	Article number
JF3 made of A2 stainless steel with sealing washer E16, Ø 16 mm				
25	0 - 7	500	JF3-2-5.5x25-E16*	3 597 211 391
25	0 - 7	100	JF3-2-5.5x25-E16 VE100*	6 597 211 391
35	0 - 17	500	JF3-2-5.5x35-E16*	3 597 511 391
JF6 made of A4 stainless steel with sealing washer E16, Ø 16 mm				
25	0 - 7	500	JF6-2-5.5x25-E16*	3 597 281 991

Application range

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 substructures (e.g. profiled sheets)
- Fixing wind deflector sheets to profiled elements

Characteristics

- A2 stainless steel with hardened steel drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer
- Non-skid application
- Fastening without swarf
- Excellent gripping properties

Technical Specifications



Diameter	5.5 mm
Drilling capacity $t_1 + t_2$	1.0 + 1.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1800 rpm



Cross references	page
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257

EJOFAST® self-drilling screw JF3-FR-2-5.5



Length [mm]	 [mm]		Order description	Article number
Sealing washer E 11, Ø 11 mm				
25	0 - 7	500	JF3-FR-2-5.5x25-E11*	3 593 292 391

*JF6 made of A4 stainless steel upon request.

Cross references

Bit T25W-1/4"x25	272
EJOT FR-tool	274
EJOT FR-tool plastic	275
Cordless screwdriver	
ASCS 6.3	257

Application range

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 substructures (e.g. profiled sheets)
- Fixing wind deflector sheets to profiled elements

Characteristics



- A2 stainless steel with hardened steel drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer
- Non-skid application
- Fastening without swarf
- Excellent gripping properties
- With truss head

Technical Specifications

Diameter	5.5 mm
Drilling capacity $t_1 + t_2$	1.0 + 1.0 mm
Drive	Hexalobular drive T25
Installation rotation speed	max. 1800 rpm

EJOFAST® wood screw JF3-6.8



Length [mm]	 [mm]		Order description	Article number
Sealing washer E16, Ø 16 mm, full length thread				
40	-	250	JF3-6.8x40-E16	3 594 067 391
40	-	100	JF3-6.8x40-E16 VE100	6 594 067 391
60	0 - 10	250	JF3-6.8x60-E16	3 594 167 391
60	0 - 10	100	JF3-6.8x60-E16 VE100	6 594 167 391
Sealing washer E16, Ø 16 mm, partial thread (thread length 75 mm incl. point)				
80	0 - 30	250	JF3-6.8x80-E16	3 594 267 391
80	0 - 30	100	JF3-6.8x80-E16 VE100	6 594 267 391
100	20 - 50	100	JF3-6.8x100-E16	3 594 367 391
120	40 - 70	100	JF3-6.8x120-E16	3 594 467 391
140	60 - 90	100	JF3-6.8x140-E16	3 594 567 391
160	80 - 110	100	JF3-6.8x160-E16	3 594 667 391
180	100 - 130	100	JF3-6.8x180-E16	3 594 767 391
200	120 - 150	100	JF3-6.8x200-E16	3 594 867 391
220	140 - 170	100	JF3-6.8x220-E16	3 594 967 391
240	160 - 190	100	JF3-6.8x240-E16	3 595 067 391
260	180 - 210	100	JF3-6.8x260-E16	3 595 167 391
280	200 - 230	100	JF3-6.8x280-E16	3 595 267 391
300	220 - 250	100	JF3-6.8x300-E16	3 595 367 391

Application range

- Fastening profiled steel or aluminium sheets and sandwich panels to timber substructure

Characteristics

- A2 stainless steel with hardened steel drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer
- Fastening without swarf
- Assembly without pre-drilling
- Non-skid application
- Excellent gripping properties

Technical Specifications

Diameter	6.8 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1500 rpm



Cross references

	page
ORKAN storm washers	122
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257
Long screw support SH2	257

SUPER-SAPHIR self-drilling screws

J3 / J6 made of A2 / A4 stainless steel – with hardened steel drill point

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



Length [mm]	Drill point diameter [mm]	Sealing washer diameter [mm]	Order description	Article number
Sealing washer E 14, Ø 14 mm, loose				
19	0 - 4	500	JT3-2H-4.8x19-E14	3 591 977 351
19	0 - 4	100	JT3-2H-4.8x19-E14 VE100	6 591 977 351
Sealing washer E 14, Ø 14 mm, collated				
19	0 - 4	500	JT3-2H-4.8x19-E14 collated	3 380 209 000

Application range

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

Characteristics

- 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
- Loose or collated

Technical Specifications

Diameter	4.8 mm
Drilling capacity $t_1 + t_2$	1.0 + 1.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1800 rpm



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



Length [mm]	Drill point diameter [mm]	Sealing washer diameter [mm]	Order description	Article number
Sealing washer E11, Ø 11 mm				
19	0 - 4	500	JT3-FR-2H-4.8x19-E11	3 591 968 358

Application range

- Side lap stitching of corrugated profile steel and aluminium sheet

Characteristics

- 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
- With truss head

Technical Specifications

Diameter	4.8 mm
Drilling capacity $t_1 + t_2$	1.0 + 1.0 mm
Drive	Hexalobular drive T25
Installation rotation speed	max. 1800 rpm



Cross references page
 Nut socket K-SW8-1/4"x50 273
 Cordless screwdriver
 ASCS 6.3 257



Cross references page
 EJOT FR-tool 274
 Cordless screwdriver
 ASCS 6.3 257

SUPER-SAPHIR self-drilling screws

J3 / J6 made of A2 / A4 stainless steel – with hardened steel drill point



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



Length [mm]		Order description	Article number
Sealing washer E16, Ø 16 mm			
35	500	JT3-2-4.9x35-E16	3 593 511 321
35	100	JT3-2-4.9x35-E16 VE100	6 593 511 321
70	250	JT3-2-4.9x70-E16	3 597 011 321

Application range

- Fastening profiled steel or aluminium sheets to timber substructure

Characteristics

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

Technical Specifications

Diameter	4.9 mm
Drilling capacity $t_1 + t_2$	1.0 + 1.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1500 rpm



Cross references	page
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver ASCS 6.3	257

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



Length [mm]		Order description	Article number
Sealing washer E11, Ø 11 mm			
35	500	JT3-FR-2-4.9x35-E11	3 593 568 328
35	100	JT3-FR-2-4.9x35-E11 VE100	6 593 568 328

Application range

- Fastening corrugated profile steel or aluminium sheets to timber substructure

Characteristics

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

Technical Specifications

Diameter	4.9 mm
Drilling capacity $t_1 + t_2$	1.0 + 1.0 mm
Drive	Hexalobular drive T25
Installation rotation speed	max. 1500 rpm



Cross references	page
Bit T25W-1/4"x25	272
EJOT FR-tool	274
EJOT FR-tool plastic	275
Cordless screwdriver ASCS 6.3	257



SUPER-SAPHIR self-drilling screws

J3 / J6 made of A2 / A4 stainless steel – with hardened steel drill point

EJOT® SUPER-SAPHIR self-drilling screw (JT3/JT6)-2H-Plus-5.5



Cross references	page
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver ASCS 6.3	257

Length [mm]	[mm]		Order description	Article number
JT3 made of A2 stainless steel with sealing washer E16, Ø 16 mm				
25	0 - 7	500	JT3-2H-Plus-5.5x25-E16	3 592 211 391
25	0 - 7	100	JT3-2H-Plus-5.5x25-E16 VE 100	6 592 211 391
30	0 - 11	500	JT3-2H-Plus-5.5x30-E16	3 592 311 391
35	0 - 16	500	JT3-2H-Plus-5.5x35-E16	3 592 511 391
JT6 made of A4 stainless steel with sealing washer E16, Ø 16 mm				
25	0 - 7	500	JT6-2H-Plus-5.5x25-E16	3 592 281 991
Order information: Further lengths upon request.				

Application range

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

Characteristics

- A2 or A4 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 Specifications

Diameter	5.5 mm
Drilling capacity $t_1 + t_2$	1.5 + 2.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1800 rpm



SUPER-SAPHIR self-drilling screws

J3 / J6 made of A2 / A4 stainless steel – with hardened steel drill point



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



Length [mm]	 [mm]		Order description	Article number
Sealing washer E11, Ø 11 mm				
25	0 - 7	500	JT3-FR-2H-Plus-5.5x25-E11	3 592 269 398
25	0 - 7	100	JT3-FR-2H-Plus-5.5x25-E11 VE100	6 592 269 398

Application range

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

Characteristics

- 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
- With truss head

Technical Specifications


Diameter	5.5 mm
Drilling capacity $t_1 + t_2$	1.5 + 2.0 mm
Drive	Hexalobular drive T25
Installation rotation speed	max. 1800 rpm



Cross references	page
Bit T25W-1/4"x25	272
EJOT FR-tool	274
EJOT FR-tool plastic	275
Cordless screwdriver ASCS 6.3	257

EJOT® SUPER-SAPHIR self-drilling screw JT3-2-5.6



Length [mm]		Order description	Article number
Sealing washer E11, Ø 11 mm			
35	500	JT3-2-5.6x35-E16	3 594 511 321

Application range

- Fastening profiled steel or aluminium sheets to timber substructure

Characteristics

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

Technical Specifications

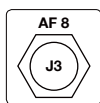
Diameter	5.6 mm
Drilling capacity $t_1 + t_2$	1.0 + 1.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1500 rpm



Cross references	page
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver ASCS 6.3	257



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



Length [mm]	[mm]		Order description	Article number
Sealing washer E16, Ø 16 mm				
25	0 - 7	500	JT3-2-6.0x25-E16	3 595 511 321
35	0 - 16	500	JT3-2-6.0x35-E16	3 595 711 321

Cross references **page**

Nut socket K-SW8-1/4"x50 273

Cordless screwdriver
ASCS 6.3 257

Application range

- Fastening profiled aluminium sheets to thin-walled steel, aluminium or timber substructure
- Fixing standing seam systems (clips)

Technical Specifications

Diameter	6.0 mm
Drilling capacity $t_1 + t_2$	1.0 + 1.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1500 rpm

Characteristics

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



SUPER-SAPHIR self-drilling screws

J3 / J6 made of A2 / A4 stainless steel – with hardened steel drill point



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



Length [mm]	 [mm]		Order description	Article number
Sealing washer E16, Ø 16 mm, full length thread				
40	-	250	JT3-2-6.5x40-E16	3 594 011 321
40	-	100	JT3-2-6.5x40-E16 VE100	6 594 011 321
50	-	250	JT3-2-6.5x50-E16	3 598 811 321
50	-	100	JT3-2-6.5x50-E16 VE100	6 598 811 321
65	0 - 15	250	JT3-2-6.5x65-E16	3 598 911 321
65	0 - 15	100	JT3-2-6.5x65-E16 VE100	6 598 911 321
80	0 - 30	250	JT3-2-6.5x80-E16	3 598 011 321
80	0 - 30	100	JT3-2-6.5x80-E16 VE100	6 598 011 321
Sealing washer E16, Ø 16 mm, partial thread (thread length 80 mm incl. drill point)				
100	16 - 50	100	JT3-2-6.5x100-E16	3 598 111 321
120	36 - 70	100	JT3-2-6.5x120-E16	3 598 311 321
140	56 - 90	100	JT3-2-6.5x140-E16	3 598 511 321
160	76 - 110	100	JT3-2-6.5x160-E16	3 598 711 321
180	96 - 130	100	JT3-2-6.5x180-E16	3 598 211 321
200	116 - 150	100	JT3-2-6.5x200-E16	3 599 011 321
220	136 - 170	100	JT3-2-6.5x220-E16	3 599 111 321
240	156 - 190	100	JT3-2-6.5x240-E16	3 599 211 321
260	176 - 210	100	JT3-2-6.5x260-E16	3 599 311 321
280	196 - 230	100	JT3-2-6.5x280-E16	3 599 511 321
300	216 - 250	100	JT3-2-6.5x300-E16	3 599 611 321



Cross references	page
ORKAN storm washers	122
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257

Application range

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

Characteristics

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

Technical Specifications

Diameter	6.5 mm
Drilling capacity $t_1 + t_2$	2.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1500 rpm





SUPER-SAPHIR self-drilling screws

J3 / J6 made of A2 / A4 stainless steel – with hardened steel drill point

EJOT® SUPER-SAPHIR self-drilling screw JT3-3-5.5



Length [mm]	 [mm]		Order description	Article number
Sealing washer E11, Ø 11 mm				
25	0 - 10	500	JT3-3-5.5x25-E16	3 592 211 334
35	0 - 19	500	JT3-3-5.5x35-E16	3 592 511 371
50	0 - 31	250	JT3-3-5.5x50-E16	3 592 811 331
70	0 - 51	250	JT3-3-5.5x70-E16	3 593 911 331

Application range

- Fastening profiled steel sheets to 1–2.5 mm steel substructure
- Fastening profiled aluminium sheet to 1–2.5 mm aluminium or steel substructure

Technical Specifications



Diameter	5.5 mm
Drilling capacity $t_1 + t_2$	1.0 + 2.5 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1500 rpm

Characteristics

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

EJOT® SUPER-SAPHIR self-drilling screw JT3-FR-3-5.5



Length [mm]	 [mm]		Order description	Article number
Sealing washer E11, Ø 11 mm				
50	0 - 31	500	JT3-FR-3-5.5x50-E11	3 592 869 335

Application range

- For fixing corrugated profile steel sheet to 1–2.5 mm steel substructure
- Fastening corrugated profile aluminium sheet to 1–2.5 mm steel or aluminium substructure

Technical Specifications

Diameter	5.5 mm
Drilling capacity $t_1 + t_2$	1.0 + 2.5 mm
Drive	Hexalobular drive T25
Installation rotation speed	max. 1500 rpm

Characteristics

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

Cross references page
Nut socket K-SW8-1/4"x50 273
Cordless screwdriver
ASCS 6.3 257

Cross references page
Bit T25W-1/4"x25 272
EJOT FR-tool 274
EJOT FR-tool plastic 275
Cordless screwdriver
ASCS 6.3 257



SUPER-SAPHIR self-drilling screws

J3 / J6 made of A2 / A4 stainless steel – with hardened steel drill point



EJOT® SUPER-SAPHIR self-drilling screw (JT3/JT6)-6-5.5



Length [mm]	 [mm]		Order description	Article number
JT3 made of A2 stainless steel with sealing washer E16, Ø 16 mm				
25	0 - 7	500	JT3-6-5.5x25-E16	3 572 211 361
25	0 - 7	100	JT3-6-5.5x25-E16 VE100	6 572 211 361
30	0 - 11	500	JT3-6-5.5x30-E16	3 572 311 361
30	0 - 11	100	JT3-6-5.5x30-E16 VE100	6 572 311 361
35	0 - 16	500	JT3-6-5.5x35-E16	3 572 511 361
35	0 - 16	100	JT3-6-5.5x35-E16 VE100	6 572 511 361
50	0 - 31	250	JT3-6-5.5x50-E16	3 592 811 361
50	0 - 31	100	JT3-6-5.5x50-E16 VE100	6 592 811 361
70	18 - 51	250	JT3-6-5.5x70-E16	3 593 911 361
70	18 - 51	100	JT3-6-5.5x70-E16 VE100	6 593 911 361
90	38 - 71	250	JT3-6-5.5x90-E16	3 596 111 361
90	38 - 71	100	JT3-6-5.5x90-E16 VE100	6 596 111 361
110	58 - 91	100	JT3-6-5.5x110-E16	3 596 211 361
130	78 - 111	100	JT3-6-5.5x130-E16	3 596 311 361
150	98 - 131	100	JT3-6-5.5x150-E16	3 596 411 361
170	118 - 151	100	JT3-6-5.5x170-E16	3 596 511 361
190	138 - 171	100	JT3-6-5.5x190-E16	3 596 611 361
JT6 made of A4 stainless steel with sealing washer E16, Ø 16 mm				
25	0 - 7	500	JT6-6-5.5x25-E16	3 572 281 991
35	0 - 16	500	JT6-6-5.5x35-E16	3 572 581 991

Order information: Further lengths upon request.

Application range

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

Characteristics

- A2 or A4 stainless steel with hardened steel drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer

Technical Specifications

Diameter	5.5 mm
Drilling capacity $t_1 + t_2$	1.0 + 5.0 mm / 2.0 + 4.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1300 rpm



Cross references page

ORKAN storm washers	122
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257
Long screw support SH2	257



EJOT® SUPER-SAPHIR self-drilling screw (JT3/JT6)-FR-6-5.5



Cross references	page
Bit T25W-1/4"x25	272
EJOT FR-tool	274
EJOT FR-tool plastic	275
Cordless screwdriver	
ASCS 6.3	257

Length [mm]	[mm]		Order description	Article number
JT3 made of A2 stainless steel with sealing washer E11, Ø 11 mm				
25	0 - 7	500	JT3-FR-6-5.5x25-E11	3 592 269 368
25	0 - 7	100	JT3-FR-6-5.5x25-E11 VE100	6 592 269 368
35	0 - 17	500	JT3-FR-6-5.5x35-E11	3 592 569 368
35	0 - 17	100	JT3-FR-6-5.5x35-E11 VE100	6 592 569 368
JT6 made of A4 stainless steel with sealing washer E11, Ø 11 mm				
25	0 - 7	500	JT6-FR-6-5.5x25-E11	3 592 269 339

Application range

- Fastening corrugated profile steel sheets to 1.5–5 mm steel substructure
- Fastening profiled aluminium sheets to 1.5-5 mm steel or 2-5 mm aluminium substructures

Characteristics

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

Technical Specifications

Diameter	5.5 mm
Drilling capacity $t_1 + t_2$	1.0 + 5.0 mm
Drive	Hexalobular drive T25
Installation rotation speed	max. 1300 rpm

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



Cross references	page
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257

Length [mm]	[mm]		Order description	Article number
Sealing washer E16, Ø 16 mm				
25	0 - 7	500	JT3-6-6.3x25-E16	3 599 411 361

Application range

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

Characteristics

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

Technical Specifications

Diameter	6.3 mm
Drilling capacity $t_1 + t_2$	1.0 + 2.5 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1300 rpm



SUPER-SAPHIR self-drilling screws

J3 / J6 made of A2 / A4 stainless steel – with hardened steel drill point



EJOT® SUPER-SAPHIR self-drilling screw (JT3/JT6)-12-5.5



Length [mm]	 [mm]		Order description	Article number
JT3 made of A2 stainless steel with sealing washer E16, Ø 16 mm				
40	0 - 11	500	JT3-12-5.5x40-E16	3 595 611 311
40	0 - 11	100	JT3-12-5.5x40-E16 VE100	6 595 611 311
58	0 - 31	250	JT3-12-5.5x58-E16	3 595 811 311
58	0 - 31	100	JT3-12-5.5x58-E16 VE100	6 595 811 311
78	19 - 51	250	JT3-12-5.5x78-E16	3 595 011 311
78	19 - 51	100	JT3-12-5.5x78-E16 VE100	6 595 011 311
98	39 - 71	100	JT3-12-5.5x98-E16	3 595 111 311
118	59 - 91	100	JT3-12-5.5x118-E16	3 595 211 311
138	79 - 111	100	JT3-12-5.5x138-E16	3 595 311 311
158	99 - 131	100	JT3-12-5.5x158-E16	3 595 411 311
178	119 - 151	100	JT3-12-5.5x178-E16	3 595 511 311
198	139 - 171	100	JT3-12-5.5x198-E16	3 595 711 311
JT6 made of A4 stainless steel with sealing washer E16, Ø 16 mm				
40	0 - 11	500	JT6-12-5.5x40-E16	3 595 681 991

Order information: Further lengths upon request.



Cross references	page
ORKAN storm washers	122
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257
Long screw support SH2	257

Application range

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

Characteristics

- A2 or A4 stainless steel with hardened steel drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer

Technical Specifications

Diameter	5.5 mm
Drilling capacity $t_1 + t_2$	1.0 + 12.0 mm / 2.0 + 10.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1300 rpm



SUPER-SAPHIR self-drilling screws

J3 / J6 made of A2 / A4 stainless steel – with hardened steel drill point

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



Length [mm]	[mm]	Order description	Article number
Sealing washer E11, Ø 11 mm			
40	11	500 JT3-FR-12-5.5x40-E11	3 595 669 318

Application range

- Fastening profiled steel and aluminium sheets to 4-10 mm steel substructures
- Fastening profiled aluminium sheets to 4-12 mm aluminium substructures

Characteristics

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

Technical Specifications

Diameter	5.5 mm
Drilling capacity $t_1 + t_{II}$	1.0 + 12.0 mm / 2.0 + 10.0 mm
Drive	Hexalobular drive T25
Installation rotation speed	max. 1300 rpm

Cross references **page**

Bit T25W-1/4"x25	272
EJOT FR-tool	274
EJOT FR-tool plastic	275
Cordless screwdriver	
ASCS 6.3	257

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



Length [mm]	[mm]	Order description	Article number
Sealing washer E16, Ø 16 mm			
55	0 - 18	500 JT3-18-5.5x55-E16	3 593 011 381
115	37 - 81	100 JT3-18-5.5x115-E16	3 595 011 381
155	77 - 121	100 JT3-18-5.5x155-E16	3 595 511 381
195	117 - 161	100 JT3-18-5.5x195-E16	3 596 011 381
215	137 - 181	100 JT3-18-5.5x215-E16	3 596 511 381
235	157 - 201	100 JT3-18-5.5x235-E16	3 597 511 381
275	197 - 241	100 JT3-18-5.5x275-E16	3 598 011 381

Application range

- Fastening profiled steel or aluminium sheets and sandwich panels to steel substructures 4-16 mm

Characteristics

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

Technical Specifications

Diameter	5.5 mm
Drilling capacity $t_1 + t_{II}$	2.0 + 16.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1300 rpm

Cross references **page**

ORKAN storm washers	122
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257
Long screw support SH2	257



SUPER-SAPHIR self-drilling screws

J3 / J6 made of A2 / A4 stainless steel – with hardened steel drill point



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



Length [mm]	 [mm]		Order description	Article number
Sealing washer E19, Ø 19 mm				
100	16 - 50	100	JT3-D-2H-6.5/7.0x100-E19	3 558 466 351
120	36 - 70	100	JT3-D-2H-6.5/7.0x120-E19	3 558 566 351
140	56 - 90	100	JT3-D-2H-6.5/7.0x140-E19	3 558 666 351
160	76 - 110	100	JT3-D-2H-6.5/7.0x160-E19	3 558 766 351
180	96 - 130	100	JT3-D-2H-6.5/7.0x180-E19	3 558 866 351
200	116 - 150	100	JT3-D-2H-6.5/7.0x200-E19	3 558 966 351
220	136 - 170	100	JT3-D-2H-6.5/7.0x220-E19	3 559 366 351
240	156 - 190	100	JT3-D-2H-6.5/7.0x240-E19	3 559 066 351
260	176 - 210	100	JT3-D-2H-6.5/7.0x260-E19	3 559 466 351
280	196 - 230	100	JT3-D-2H-6.5/7.0x280-E19	3 559 166 351
300	216 - 250	100	JT3-D-2H-6.5/7.0x300-E19	3 559 266 351

Application range

- Fastening sandwich panels to timber substructure

Characteristics

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

Technical Specifications

Diameter	6.5 mm
Drilling capacity $t_1 + t_2$	2.0 mm
Drive	Hexagon A/F8
Ø high thread	7.0 mm
Installation rotation speed	max. 1500 rpm



Cross references

	page
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257
Long screw support SH2	257







Cross references	page
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257
Long screw support SH2	257

EJOT® SUPER-SAPHIR self-drilling screw (JT3/JT6)-D-6H-5.5/6.3



Length [mm]	 [mm]		Order description	Article number
JT3 made of A2 stainless steel with sealing washer E19, Ø 19 mm				
67	30 - 48	100	JT3-D-6H-5.5/6.3x67-E19	3 554 566 372
87	37 - 68	100	JT3-D-6H-5.5/6.3x87-E19	3 556 066 371
107	47 - 88	100	JT3-D-6H-5.5/6.3x107-E19	3 556 166 371
127	67 - 108	100	JT3-D-6H-5.5/6.3x127-E19	3 556 266 371
147	87 - 128	100	JT3-D-6H-5.5/6.3x147-E19	3 556 366 371
167	107 - 148	100	JT3-D-6H-5.5/6.3x167-E19	3 556 766 371
197	137 - 178	100	JT3-D-6H-5.5/6.3x197-E19	3 559 766 372
237	166 - 218	100	JT3-D-6H-5.5/6.3x237-E19	3 559 666 372
267	196 - 248	100	JT3-D-6H-5.5/6.3x267-E19	3 559 966 372
JT6 made of A4 stainless steel with sealing washer E19, Ø 19 mm				
107	47 - 88	100	JT6-D-6H-5.5/6.3x107-E19	3 556 182 971
127	67 - 108	100	JT6-D-6H-5.5/6.3x127-E19	3 556 282 971
147	87 - 128	100	JT6-D-6H-5.5/6.3x147-E19	3 556 382 971
167	107 - 148	100	JT6-D-6H-5.5/6.3x167-E19	3 556 782 971
197	137 - 178	100	JT6-D-6H-5.5/6.3x197-E19	3 559 782 972
237	166 - 218	100	JT6-D-6H-5.5/6.3x237-E19	3 559 682 972

Order information: Further lengths upon request.

Application range

- Fastening sandwich panels to 1.5–5 mm steel substructure

Characteristics

- A2 or A4 stainless steel with hardened steel drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer
- With free spin zone under the screw head
- High thread

Technical Specifications

Diameter	5.5 mm
Drilling capacity $t_1 + t_2$	6.5 mm
Drive	Hexagon A/F8
Ø high thread	6.3 mm
Installation rotation speed	max. 1300 rpm



SUPER-SAPHIR self-drilling screws

J3 / J6 made of A2 / A4 stainless steel – with hardened steel drill point



EJOT® SUPER-SAPHIR self-drilling screw (JT3/JT6)-D-12H-5.5/6.3



Length [mm]	 [mm]		Order description	Article number
JT3 made of A2 stainless steel with sealing washer E19, Ø 19 mm				
75	36 - 48	100	JT3-D-12H-5.5/6.3x75-E19	3 557 566 312
95	46 - 68	100	JT3-D-12H-5.5/6.3x95-E19	3 554 966 311
115	56 - 88	100	JT3-D-12H-5.5/6.3x115-E19	3 555 266 311
135	68 - 108	100	JT3-D-12H-5.5/6.3x135-E19	3 555 466 311
155	88 - 128	100	JT3-D-12H-5.5/6.3x155-E19	3 555 766 311
175	108 - 148	100	JT3-D-12H-5.5/6.3x175-E19	3 556 566 312
195	128 - 168	100	JT3-D-12H-5.5/6.3x195-E19	3 559 566 312
215	148 - 188	100	JT3-D-12H-5.5/6.3x215-E19	3 559 666 312
245	167 - 218	100	JT3-D-12H-5.5/6.3x245-E19	3 559 866 312
275	197 - 248	100	JT3-D-12H-5.5/6.3x275-E19	3 557 366 312
300	222 - 273	100	JT3-D-12H-5.5/6.3x300-E19	3 557 466 312
JT6 made of A4 stainless steel with sealing washer E19, Ø 19 mm				
115	56 - 88	100	JT6-D-12H-5.5/6.3x115-E19	3 555 282 911
135	68 - 108	100	JT6-D-12H-5.5/6.3x135-E19	3 555 482 911
155	88 - 128	100	JT6-D-12H-5.5/6.3x155-E19	3 555 782 911
175	108 - 148	100	JT6-D-12H-5.5/6.3x175-E19	3 556 582 912
195	128 - 168	100	JT6-D-12H-5.5/6.3x195-E19	3 559 582 912
245	167 - 218	100	JT6-D-12H-5.5/6.3x245-E19	3 559 882 912
Order information: Further lengths upon request.				



Cross references	page
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257
Long screw support SH2	257

Application range

- Fastening sandwich panels to 3–12 mm steel substructure

Characteristics

- A2 or A4 stainless steel with hardened steel drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer
- With free spin zone under the screw head
- High thread

Technical Specifications

Diameter	5.5 mm
Drilling capacity $t_1 + t_2$	13 mm
Drive	Hexagon A/F8
Ø high thread	6.3 mm
Installation rotation speed	max. 1300 rpm



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



Length [mm]	[mm]		Order description	Article number
Full thread				
35	0 - 20	500	JT3-ST-2-6.0x35	7 382 160 301
60	15 - 45	250	JT3-ST-2-6.0x60	7 382 125 301
80	15 - 65	250	JT3-ST-2-6.0x80	7 382 107 301
Partial thread (thread length 65 mm incl. point)				
100	35 - 85	250	JT3-ST-2-6.0x100	7 382 101 301
120	55 - 105	250	JT3-ST-2-6.0x120	7 382 102 301
140	75 - 125	250	JT3-ST-2-6.0x140	7 382 103 301
160	95 - 145	100	JT3-ST-2-6.0x160	7 382 104 301
180	115 - 165	100	JT3-ST-2-6.0x180	7 382 105 301
200	135 - 185	100	JT3-ST-2-6.0x200	7 382 106 301

Cross references

	page
Bit T25-1/4"x25	272
Bit holder BT-1/4"-1/4"x42	273
Cordless screwdriver	
ASCS 6.3	257
Flat roof profile FP	187
Stress plate EcoTek 50	192

Application range

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

Characteristics

- A2 stainless steel with hardened drill point
- With countersunk head

Technical Specifications

Diameter	6.0 mm
Drilling capacity $t_1 + t_2$	1.0 + 1.0 mm
Drive	Hexalobular drive T25
Installation rotation speed	max. 1500 rpm



SUPER-SAPHIR self-drilling screws

J3 / J6 made of A2 / A4 stainless steel – with hardened steel drill point



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



Length [mm]	 [mm]		Order description	Article number
25	0 - 10	500	JT3-X-2-6.0x25	7 380 539 301
36	0 - 20	500	JT3-X-2-6.0x36	7 380 516 301
46	0 - 30	500	JT3-X-2-6.0x46	7 380 517 301

Application range

- Fixing standing seam systems (clips) to 0.55–1.5 mm steel substructure
- Fixing standing seam systems (clips) to 0.8–1.5 mm aluminium substructure or timber substructure

Characteristics

- 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 Specifications

Diameter	6.0 mm
Drilling capacity $t_1 + t_2$	1.0 + 1.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1500 rpm



Cross references	page
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257







SUPER-SAPHIR self-drilling screws

J3 / J6 made of A2 / A4 stainless steel – with hardened steel drill point

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



Length [mm]	 [mm]		Order description	Article number
45	0 - 26	500	JT3-WD-6-5.5x45-R	7 382 195 301
65	0 - 46	500	JT3-WD-6-5.5x65-R	7 382 194 301

Application range

- Special screw for fastening wood to steel substructures

Characteristics

- A2 stainless steel with hardened drill point
- The wings ream out the wood larger than the thread diameter
- The wings prevent force feeding of the screw and thus possible damage to the drill point or locking of the assembly parts.

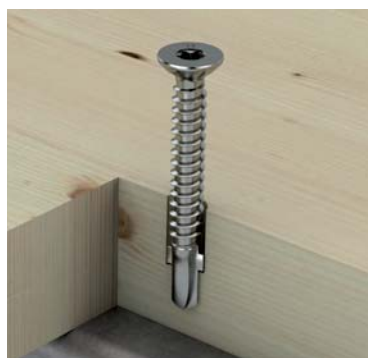
Notice

To ensure shearing of the wings, the material thickness of the steel substructure must be at least 2.0 mm.

Technical Specifications

Diameter	5.5 mm
Drilling capacity t_d	6.0 mm
Drive	Hexalobular drive T25
Installation rotation speed	max. 1300 rpm

Cross references	page
Bit T25-1/4"x25	272
Bit holder BT-1/4"-1/4"x42	273
Cordless screwdriver	
ASCS 6.3	257





On request

EJOT® COLORFAST

With integrated nylon head and vulcanised sealing washers made of aluminium/EPDM

Product group

EJOT COLORFAST are fastening elements with a unique coloured nylon head which has been developed especially for fastening profiled metal sheets to roofs and walls. The head offers a permanent corrosion resistance and is available in various colours.

Design

The drill points and thread forms offer a maximum mechanical stability and are easily processable.

Version

COLORFAST parts are assembled with a high-quality aluminium / EPDM sealing washer which guarantees a permanent reliable waterproofing.

Surface coating

The fasteners have a zinc or organic coating for a maximum corrosion resistance. The stainless steel versions are waxed in order to optimise the fastening process.

Colour selection

A wide range of British standard and RAL colours is available, special colours can be ordered with certain minimum quantities.



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



Length [mm]	[mm]		Order description	Article number
Without sealing washer				
19	0 - 9	1,000	JT4-4-4.8x19	7 380 387 300
19	0 - 9	100	JT4-4-4.8x19 VE100	6 380 387 300
Sealing washer E14, Ø 14 mm				
19	0 - 6	500	JT4-4-4.8x19-E14	3 501 909 440

Cross references

	page
Nut socket K-SW8-1/4"x50	251
Cordless screwdriver ASCS 6.3	237

Application range

- Fastening aluminium profiles to aluminium substructure ≤ 3 mm

Characteristics

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

Technical Specifications

Diameter	4.8 mm
Drilling capacity $t_1 + t_2$	1.0 + 3.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1500 rpm

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



Length [mm]	[mm]		Order description	Article number
Without sealing washer				
19	0 - 9	1,000	JT4-FR-4-4.8x19	7 381 095 300
Sealing washer E11, Ø 11 mm				
19	0 - 6	500	JT4-FR-4-4.8x19-E11	3 501 968 448

Cross references

	page
Bit T25W-1/4"x25	250
EJOT FR-tool	252
EJOT FR-tool plastic	253
Cordless screwdriver ASCS 6.3	237

Application range

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

Characteristics

- Stainless A2
- Stainless steel sealing washer
- Pre-assembled sealing washer
- With truss head

Technical Specifications

Diameter	4.8 mm
Drilling capacity $t_1 + t_2$	1.0 + 3.0 mm
Drive	Hexalobular drive T25
Installation rotation speed	max. 1500 rpm



Stainless steel SAPHIR self-drilling screws

J4 / J9 made of A2/A4 stainless steel



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



Length [mm]	 [mm]		Order description	Article number
Without sealing washer				
19	0 - 11	1,000	JT4-FR-4-5.5x19	7 381 138 300
Sealing washer E11, Ø 11 mm				
19	0 - 8	500	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

Characteristics

- Stainless A2
- Stainless steel sealing washer
- Pre-assembled sealing washer
- With truss head

Technical Specifications

Diameter	5.5 mm
Drilling capacity $t_1 + t_2$	1.0 + 3.0 mm
Drive	Hexalobular drive T25
Installation rotation speed	max. 1500 rpm




Cross references

	page
Bit T25W-1/4"x25	250
EJOT FR-tool	252
EJOT FR-tool plastic	253
Cordless screwdriver ASCS 6.3	237

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



Length [mm]		Order description	Article number
Without sealing washer			
35	500	JT4-FR-2-4.9x35	7 381 110 300
Sealing washer E11, Ø 11 mm			
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

Characteristics

- Stainless A2
- Stainless steel sealing washer
- Pre-assembled sealing washer
- Thread according to DIN 7998
- With truss head

Technical Specifications

Diameter	4.9 mm
Drilling capacity $t_1 + t_2$	0.5 - 2.0 mm
Drive	Hexalobular drive T25
Installation rotation speed	max. 1500 rpm



Cross references

	page
FR-tool	252
Cordless metal screwdriver	237





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



Cross references

Nut socket K-SW8-1/4"x50	251
Cordless screwdriver ASCS 6.3	237

Length [mm]	 [mm]		Order description	Article number
JT4 made of A2 stainless steel without sealing washer				
19	0 - 7	500	JT4-6-5.5x19	7 380 454 301
22	0 - 10	500	JT4-6-5.5x22	7 380 508 301
30	0 - 18	500	JT4-6-5.5x30	7 380 509 301
JT4 made of A2 stainless steel with sealing washer E16, Ø 16 mm				
19	0 - 4	500	JT4-6-5.5x19-E16	3 501 811 460
22	0 - 7	500	JT4-6-5.5x22-E16	3 502 111 460
30	0 - 15	500	JT4-6-5.5x30-E16	3 502 311 461
JT9 made of A4 stainless steel without sealing washer				
22	0 - 10	500	JT9-6-5.5x22	7 380 508 341
30	0 - 18	500	JT9-6-5.5x30	7 380 509 341
JT9 made of A4 stainless steel with sealing washer E16, Ø 16 mm				
22	0 - 7	500	JT9-6-5.5x22-E16	3 502 111 491
30	0 - 15	500	JT9-6-5.5x30-E16	3 502 311 341

Application range

- Fastening aluminium profiles to aluminium substructure ≤4 mm

Characteristics

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

Technical Specifications

Diameter	5.5 mm
Drilling capacity $t_1 + t_2$	2.0 + 4.0 mm
Drive	Hexagon A/F8
Installation rotation speed	max. 1500 rpm

Stainless steel SAPHIR self-drilling screws

J4 / J9 made of A2/A4 stainless steel



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



Length [mm]		Order description	Article number
130	100	JT4-FZ-6.5x130-FZD	3 515 675 400

Application range

- Fastening corrugated fibre cement sheets to timber substructures

Characteristics

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

Technical Specifications

Diameter	6.5 mm
Drive	Hexagon A/F8

Notice

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.



Cross references

	page
Nut socket K-SW8-1/4"x50	252
Cordless screwdriver	
ASCS 6.3	237
Long screw support SH2	237
JT2-FZ-F-6.5x130-FZD	53





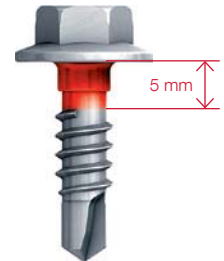
Fastening and fixing elements for

rear-ventilated facade systems

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



Length [mm]		Order description	Article number
JT4 made of A2 stainless steel			
19	500	JT4-3H/5-5.5x19	7 380 540 300
19	100	JT4-3H/5-5.5x19 VE100	6 380 540 300
JT9 made of A4 stainless steel			
19	500	JT9-3H/5-5.5x19	7 380 540 340
19	100	JT9-3H/5-5.5x19 VE100	6 380 540 340



Application range

- To form floating and fixed points on substructures of rear-ventilated facades
- Fastening pre-drilled stainless steel or aluminium wall brackets to aluminium support profiles
- For component assemblies from 3.1 – 5.0 mm (component I + component II)

Characteristics

- A2 or A4 stainless steel

Notice

Component assemblies checked with R_m (component II) ≥ 190 , ≥ 215 and ≥ 245 N/mm². For bearing values, please refer to the general building authorities test certificate (abP) P-BWU02-148004.

Technical Specifications

Diameter	5.5 mm
Drilling capacity	3.0 mm
Drive	Hexagon A/F8
Flange head	Ø 13 mm
Length non-threaded part	5.0 mm

Possible component assemblies

Component I [mm]	Component II [mm]	R_m support profile/ Wall bracket
1.5 (stainless steel)	1.6	≥ 190 N/mm ²
	2.0	
	2.4	
3.0 (aluminium)	1.6	≥ 190 N/mm ²
	2.0	

Cross references

	page
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver ASCS 6.3	257

Facade screws

For rear ventilated facades (VHF)

EJOT® SUPER-SAPHIR self-drilling screw(JT6/JT9)-2/5-5.0 VARIO



Length [mm]	Order description	Article number
JT6 made of A4 stainless steel with hardened steel drill point		
30	500 JT6-2/5-5.0x30 Vario	3 598 077 991
30	100 JT6-2/5-5.0x30 Vario VE100	6 598 077 991
JT9 made of A4 stainless steel		
25	500 JT9-2/5-5.0x25 Vario	3 500 777 490
25	100 JT9-2/5-5.0x25 Vario VE100	6 500 777 490

Cross references	page
A/F8 VARIO Tool	276
Cordless screwdriver ASCS 6.3	257



Watch the video now:
<https://youtu.be/pXs-bv1N3dA>

Application range

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

Characteristics

- One screw for all part combinations
- Sliding washer E14, Ø 14 mm
- Buffer zone between the screw head and sliding disk prevents excessive clamp load of the joint.
- Pre-assembled captive sliding washer
- Consistently low contact pressure prevents stick-slip phenomenon
- No stripping / destruction of the thread in component II resulting in high tensile loading capacity
- High tensile and transverse load transmission in component II due to fine pitch thread
- General building authorities test certificate (abP) as proof of usability according to DIN 18516-1 (also available as informal English translation)
- Case hardened drill point of the JT6 version for fastening in steel support profiles (not part of the abP)
- Wall brackets made of stainless steel and aluminium are part of the abP
- Buffer zone serves as visual set control
- Same assembly concept for floating and fixed points

Notice

Component assemblies checked with R_m (component II) ≥ 190 , ≥ 215 and ≥ 245 N/mm². For bearing values, please refer to the general building authorities test certificate (abP) P-BWU02-178006.

Technical Specifications

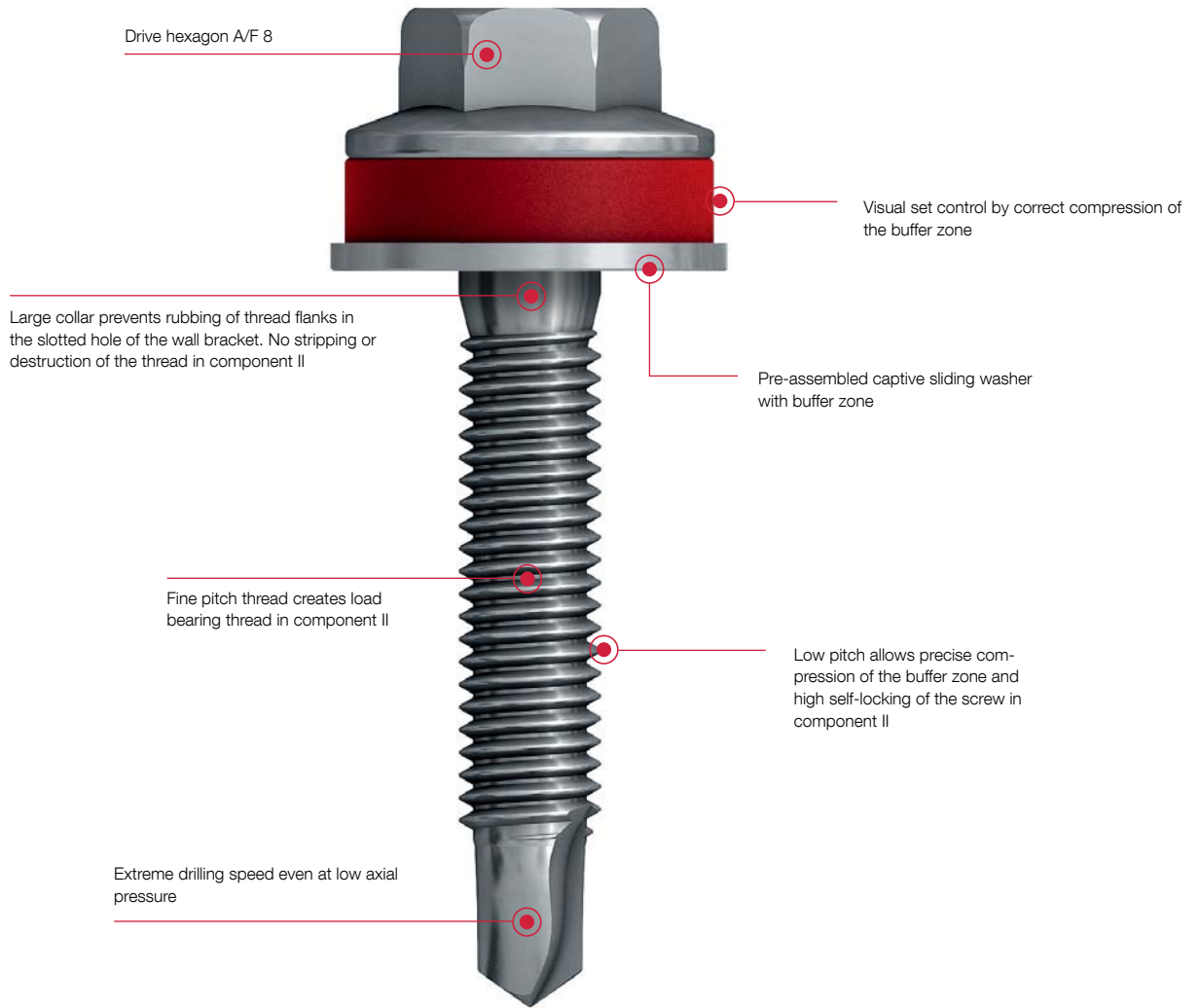
Diameter	5.0 mm
Drilling capacity	3.0 mm
Drive	Hexagon A/F8

Possible part combinations

Component I [mm]	Component II [mm]	R_m support profile/ Wall bracket
1.5 (stainless steel)	2.0	≥ 190 N/mm ²
	2.5	
	3.0	
2.0 (stainless steel)	2.0	
	2.5	
	3.0	
3.0 (stainless steel)	2.0	
	2.5	
	3.0	
2.0 (aluminium)	2.0	
	2.5	
	3.0	
3.0 (aluminium)	2.0	
	2.5	
	3.0	
4.0 (aluminium)	2.0	
	2.5	
	3.0	
5.0 (aluminium)	2.0	
	2.5	
	3.0	

Facade screws

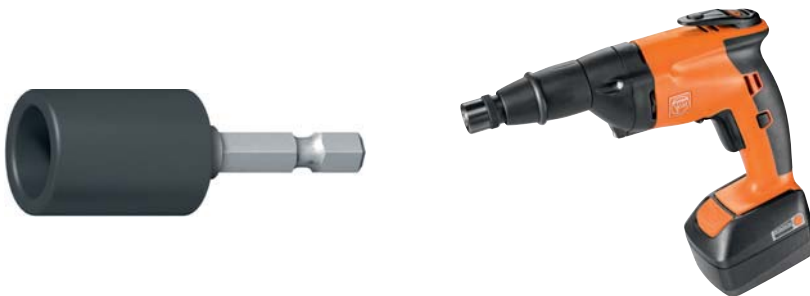
For rear ventilated facades (VHF)



Recommended accessories

EJOT® A/F8-Vario Tool
Article No. 9 152 900 000

Cordless metal screwdriver ASCS 6.3 Select
Article No. 9 150 200 003



- Self-drilling screws
- Facade screws (rear-ventilated facades)
- Direct assembly
- Self-tapping screws
- Orkan storm washers
- Rivets
- Fasteners for solar/ photovoltaic
- Scaffolding anchors
- Pipe flashings
- Flat roof fasteners
- Anchor technology
- Installation technology
- Dry wall construction
- Accessories
- Machinery Spare parts Tools

Facade screws

For rear ventilated facades (VHF)

EJOT® centring bush F (fixed point)



Panel thickness [mm]		Order description	Article number
2	500	EJOT centring bush Ø 11/2 F	3 010 005 700
4	500	EJOT centring bush Ø 11/4 F	3 010 009 700
6	500	EJOT centring bush Ø 11/6 F	3 010 011 700
8	500	EJOT centring bush Ø 11/8 F	3 010 007 700

Application range

- Fastening facade panels in combination with LT screws with head diameter 16 mm
- To form fixed points

Characteristics

- Grey coloured plastic
- For panel thickness 2 / 4 / 6 / 8 mm
- UV-resistant

Benefits

- All holes in the panel are produced with the same diameter (11 mm), which can be done efficiently at the shop floor
- No rivet installation gauge, no drilling gauge necessary
- Fast assembly in combination with LT screws
- Easily revisionable panel fastening
- The 0.5 collar of the bush prevents direct contact between screw head and panel surface

Notice

Usability of bushes and LT screws must be agreed with the respective panel manufacturer. Please note the respective approval of the facade panel and the assembly instructions of the manufacturer.

Technical Specifications

Bush internal hole Ø	6 mm
Facade panel drill hole Ø	11 mm

Cross references	page
JT4-LT-3-5.5x25	100
JT4-LT-2/6-6.0x25	101
JT4-LT-2/6-6.0x50	102
JF3-LT-2-5.5x30	104

EJOT® centring bush S (floating point)

Panel thickness [mm]		Order description	Article number
2	500	EJOT centring bush Ø 11/2 S	3 010 006 700
4	500	EJOT centring bush Ø 11/4 S	3 010 010 700
6	500	EJOT centring bush Ø 11/6 S	3 010 012 700
8	500	EJOT centring bush Ø 11/8 S	3 010 008 700

Application range

- Fastening facade panels in combination with LT screws with head diameter 16 mm
- To form floating points

Characteristics

- Black coloured plastic
- For panel thickness 2 / 4 / 6 / 8 mm
- UV-resistant

Benefits

- All holes in the panel are produced with the same diameter (11 mm), which can be done efficiently at the shop floor
- No rivet installation gauge, no drilling gauge necessary
- Fast assembly in combination with LT screws
- Easily revisionable panel fastening
- The 0.5 collar of the bush prevents direct contact between screw head and panel surface, thus no scratches on the panel surface even during thousandfold relative displacement
- The bottom of the bush which is only 0.3 mm thin is abraded due to relative displacement

Notice

Usability of bushes and LT screws must be agreed with the respective panel manufacturer. Please note the respective approval of the facade panel and the assembly instructions of the manufacturer.

Technical Specifications

Bush internal hole Ø	6 mm
Facade panel drill hole Ø	11 mm



Cross references	page
JT4-LT-3-5.5x25	100
JT4-LT-2/6-6.0x25	101
JT4-LT-2/6-6.0x50	102
JF3-LT-2-5.5x30	104

EJOT® stainless steel-SAPHIR self-drilling screw JT4-LT-3-5.5x25



Length [mm]	max. panel thickness [mm]		Order description	Article number
25	12	500	JT4-LT-3-5.5x25 KD16	7 384 207 300

Cross references

Centring bush F	98
Centring bush S	99
LT/STS tool plastic.....	275
Cordless screwdriver	
ASCS 6.3	257

Application range

- For fixing facade panels to 1.5-3.0 mm aluminium substructures
- Can be combined with LT fixed and floating point sleeves

Characteristics

- A2 stainless steel
- Pan head

Benefits

- To cover slotted holes and large pre-drill diameters
- Also available in RAL lacquering
- Flat screw head for aesthetic facade design
- Wobble-free fastening by using the LT tool

Notice

Please note the respective approval of the facade panel and the assembly instructions of the manufacturer.

Processing information for floating points on cladding panels:

Stop fastening as soon as the screw head connects to the surface and turn the screw back a quarter turn in order to remove the clamp load from the connection.

Technical Specifications

Diameter	5.5 mm
Drilling capacity (t ₁ pre-drilled) + t ₂	1.5-3.0 mm
Drive	Hexalobular drive T25
Head diameter	16 mm
Head height	2.0 mm

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



Length [mm]	max. panel thickness [mm]		Order description	Article number
25	10	500	JT4-LT-2/6-6.0x25 KD16	7 384 199 300

Application range

- For fixing facade panels to 1.5 - 2.0 mm aluminium substructures
- Can be combined with LT fixed and floating point sleeves

Characteristics

- A2 stainless steel
- Pan head

Benefits

- To cover slotted holes and large pre-drill diameters
- Also available in RAL lacquering
- Flat screw head for aesthetic facade design
- Wobble-free fastening by using the LT tool

Notice

Please note the respective approval of the facade panel and the assembly instructions of the manufacturer.

Technical Specifications

Diameter	6.0 mm
Drilling capacity (t ₁ pre-drilled) + t ₂	2.0 mm
Drive	Hexalobular drive T25
Head diameter	16 mm
Head height	2 mm
Length non-threaded part	6.0 mm



Cross references

	page
Centring bush F	98
Centring bush S	99
LT/STS tool plastic.....	275
Cordless screwdriver ASCS 6.3	257

EJOT® stainless steel SAPHIR self-drilling screw JT4-LT-2/6-6.0x50



Length [mm]	max. panel thickness onto timber / aluminium [mm]		Order description	Article number
50	10 / 26	500	JT4-LT-2/6-6.0x50 KD16	7 384 206 300

Application range

- Fastening facade panels to aluminium or timber substructures
- Can be combined with LT fixed and floating point sleeves

Characteristics

- A2 stainless steel
- Pan head

Benefits

- To cover slotted holes and large pre-drill diameters
- Also available in RAL lacquering
- Flat screw head for aesthetic facade design
- No pre-drilling of the timber substructure
- Good drilling behaviour even in areas of branches

Notice

Please note the respective approval of the facade panel and the assembly instructions of the manufacturer.

Technical Specifications


Diameter	6.0 mm
Drilling capacity (t ₁ pre-drilled) + t ₂	1.5-2.0 mm
Drive	Hexalobular drive T25
Head diameter	16 mm
Head height	2.0 mm
Length non-threaded part	6.0 mm

Cross references

	page
Centring bush F	98
Centring bush S	99
LT/STS tool plastic.....	275
Cordless screwdriver	
ASCS 6.3	257

EJOT® SUPER-SAPHIR self-drilling screw JT3-LT-3-5.5x25



Length [mm]	max. panel thickness [mm]		Order description	Article number
Without sealing washer				
25		500	JT3-LT-3-5.5x25	7 384 126 301
Sealing washer E11, Ø 11 mm				
25		500	JT3-LT-3-5.5x25-E11	3 592 269 341

Application range

- Fastening cladding panel to steel substructure

Characteristics

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

Benefits

- Also available in RAL lacquering
- Flat screw head for aesthetic facade design

Notice

Please note the respective approval of the facade panel and the assembly instructions of the manufacturer.

Technical Specifications	
Diameter	5.5 mm
Drilling capacity (t_1 pre-drilled) + t_2	1.0 - 3.0 mm
Drive	Hexalobular drive T25
Head diameter	12 mm
Head height	2.0 mm



Cross references	page
Bit T25W-1/4"x25	272
Cordless screwdriver	
ASCS 6.3	257

Facade screws

For rear ventilated facades (VHF)

EJOFAST® self-drilling screw JF3-LT-2-5.5



Length [mm]	max. panel thickness [mm]		Order description	Article number
30	10	500	JF3-LT-2-5.5x30 KD16	7 384 212 301

Cross references

	page
Centring bush F	98
Centring bush S	99
LT/STS tool plastic.....	275
Cordless screwdriver	
ASCS 6.3	257

Application range

- For fixing facade panels to 1.0-2.0 mm aluminium substructures without swarfs
- Can be combined with LT fixed and floating point sleeves

Characteristics

- A2 stainless steel with hardened steel drill point
- Pan head

Benefits

- To cover slotted holes and large pre-drill diameters
- Also available in RAL lacquering
- Flat screw head for aesthetic facade design
- Fastening without swarf

Notice

Please note the respective approval of the facade panel and the assembly instructions of the manufacturer.

Processing information for floating points on cladding panels:

Stop fastening as soon as the screw head connects to the surface and turn the screw back a quarter turn in order to remove the clamp load from the connection.

Technical Specifications

Diameter	5.5 mm
Drilling capacity (t ₁ pre-drilled) + t ₂	2.0 mm
Drive	Hexalobular drive T25
Head diameter	16 mm
Head height	2.0 mm

EJOT® stainless steel SAPHIR self-drilling screw JT4-XT



Length [mm]	For panel thickness [mm]		Order description	Article number
21	4.0	500	JT4-XT-3/6-6.0x21	7 384 213 300

Application range

- Fastener between the reinforcing profile and an ALUCOBOND® cassette

Characteristics

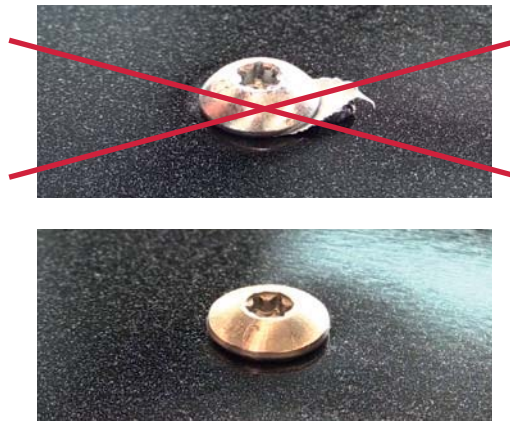
- A2 stainless steel

Benefits/Operating principle

- Fastener pierces the ALUCOBOND® panel and the aluminium substructure
- Thread-free part under the screw head allows an intentional further rotation of the screw head after surface connection
- Cutting ring under the screw head cuts protective film on the facade panel
- Protective film can be removed from the ALUCOBOND® panel without residue after assembly
- Also available as laquered version

Technical Specifications

Diameter	6.0 mm
Drilling capacity $t_1 + t_2$	2.0 mm
Drive	Hexalobular drive T25



Cross references

	page
Bit T25W-1/4"x25	272
Cordless screwdriver	
ASCS 6.3	257



Watch the video now:



<https://youtu.be/RKUPO7xTQ8c>

Facade screws

For rear ventilated facades (VHF)

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



Length [mm]	 [mm]		Order description	Article number
Self-drilling screw				
22	6	1,000	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
- For fastening without forcing tension to 2 mm aluminium substructures

Characteristics

- Stainless A2
- With centring bush to form floating points

Benefits

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

Notice

We recommend the tapered special bit TORX® T25W-1/4"/Cx25 for force fit in the fastener head. To form fixed points, we recommend pre-drilling a Ø 4.0 mm hole in the panel.

Technical Specifications


Diameter	4.8 mm
Drilling capacity $t_1 + t_2$	1.0 + 3.0 mm
Drive	Hexalobular drive T25
Ø drill hole centring bush	8.0 mm



Cross references	page
Bit T25W-1/4"x25	272
Cordless screwdriver	
ASCS 6.3	257

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



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

Application range

- Fastening timber laths to aluminium substructure ≤ 2 mm

Characteristics

- A2 stainless steel
- Countersunk head with milling ribs

Technical Specifications

Diameter	4.8 mm
Drilling capacity $t_1 + t_2$	2.0 mm
Drive	Hexalobular drive T25
Installation rotation speed	max. 1800 rpm

Cross references	page
Bit T25-1/4"x25	272
Bit holder BT-1/4"-1/4"x42	273
Cordless screwdriver	
ASCS 6.3	257



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



Length [mm]	For panel thickness [mm]		Order description	Article number
35	0 - 25	500	JT4-STS-3-4.8x35	7 384 094 300

Application range

- Fastening plaster-base sheeting to aluminium substructures ≤ 3 mm

Characteristics

- A2 stainless steel
- Countersunk head with flange

Benefits

- Very flat head
- Wobble-free fastening with LT tool

Technical Specifications

Diameter	4.8 mm
Drilling capacity $t_1 + t_2$	3.0 mm
Drive	Hexalobular drive T25



Cross references

	page
Bit T25-1/4"x25	272
Bit holder BT-1/4"-1/4"x42	273
LT/STS tool plastic	275
Cordless screwdriver	
ASCS 6.3	257

EJOT® self-tapping screw JA3-LT-4.9



Length [mm]		Order description	Article number
25	500	JA3-LT-4.9x25	3 233 200 312
38	500	JA3-LT-4.9x38	5 000 638 300

Application range

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

Characteristics

- A2 stainless steel

Technical Specifications

Diameter	4.9 mm
Head geometry	Pan head
Drive	Hexalobular drive T20



Cross references


	page
Bit T25W-1/4"x25	272
EJOT FR-tool	274
EJOT FR-tool plastic	275
Cordless screwdriver	
ASCS 6.3	257
Drill HSS	268
Drill hole chart	112



Direct installation

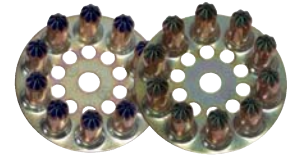
Tie pins and cartridges

Cartridges 6.3/16

Order description	Substrate thickness [mm]		Article number
Cartridge blue	6 - 12	1,000	9 600 003 123
Cartridge red	14 - 16	1,000	9 600 003 122
Cartridge black	≥18	1,000	9 600 003 121

Application range


- For the installation of tie pin HSBR 14 in shot firing tool P 560



Cross references **page**
Shot firing tool P 560 256

Tie pin HSBR 14



Order description	Collator capacity [pcs.]		Article number
Tie pin HSBR 14 collated	10	1,000	9 600 053 953

Application range

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

Technical Specifications

Sheet thickness [mm]	Shear V_{Rd} [kN]	Tensile N_{Rk} [kN]
0.63	4.2	5.3
0.75	5.8	6.6
0.88	7.5	7.7
1.00	8.6	8.2
1.13	9.1	9.1
1.25	9.5	9.5
1.50	10.0	10.0
1.75	10.0	10.1
2.00	10.0	10.3
2.50	10.0	10.4
3.00	10.0	10.5



Cross references **page**
Shot firing tool P 560 256



Self-tapping screws

Self-tapping screws

EJOT® self-tapping screws

The EJOT® self-tapping screws form the thread in a pre-drilled hole. They feature a coarse or 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.

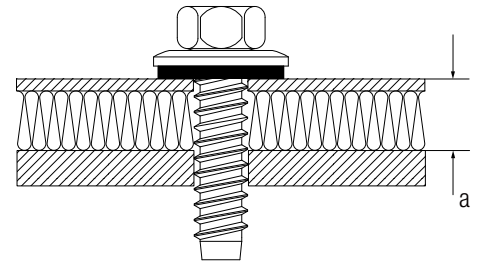
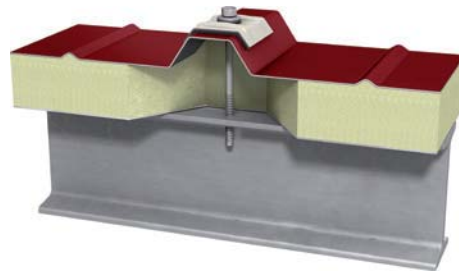


EJOT® self-tapping screws product overview

	JA2/JZ2	JA3/JB3/JZ3	JA1/JZ1 CORREMAKS®	JZ7 CRONIMAKS®
Self-tapping screws with dog point or point				
Material	Steel case-hardened, zinc-plated	Stainless A2	Stainless steel HCR (1.4529)	Stainless A2
For components made of	steel/wood	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



Application example 3

Fastening trapezoidal profile to steel purlin ≥ 10 mm in the valley
- Self-tapping screw JZ3-6.3xL
- Sealing washer E22



Selecting the fastener

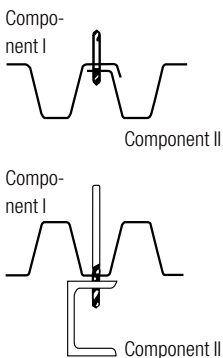
Self-tapping screw

L = a + 20 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 to component II (substructure).

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



Drill hole diameter

for **profiled aluminium sheet***

Component thickness t_1 [mm]	Aluminium sheet, aluminium extrusion profile F22 up to F 25 (Rm ≥ 220 N/mm ² ≤ 290 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 (Rm ≥ 360 N/mm ² ≤ 440 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	1.25 - 1.5	2.0 - 5.0	6.0 - 6.9	≥ 7.0	1.5 - 5.9	6.0 - 7.9	8.0 - 9.9	≥ 10.0
Drill-hole \varnothing [mm]	3.5	4.0	4.5	4.5	4.5	4.5	5.0	4.5	5.0	5.0	5.0	5.3	5.5	5.7	6.8	7.0	7.2	7.4
EJOT® Screw Type	JA \varnothing 6.5 / JB \varnothing 6.3										JZ \varnothing 6.3				JZ \varnothing 8.0			

EJOT® self-tapping screw JA2-6.5



Length [mm]	 [mm]		Order description	Article number
Sealing washer V16, Ø 16 mm				
19		500	JA2-6.5x19-V16	3 183 121 654
25		500	JA2-6.5x25-V16	3 183 221 654
32		500	JA2-6.5x32-V16	3 183 321 654
38		500	JA2-6.5x38-V16	3 183 421 654
50		250	JA2-6.5x50-V16	3 183 621 654
64		250	JA2-6.5x64-V16	3 183 821 654
75		250	JA2-6.5x75-V16	3 183 921 654
90		100	JA2-6.5x90-V16	3 184 121 654
100		100	JA2-6.5x100-V16	3 184 221 654
125		100	JA2-6.5x125-V16	3 114 421 651
150		100	JA2-6.5x150-V16	3 114 621 651
175		100	JA2-6.5x175-V16	3 114 721 651
200		100	JA2-6.5x200-V16	3 114 821 651



Cross references	page
Nut socket	
K-SW3/8"-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257
ORKAN storm washers	122
Drill HSS	268
Drill hole chart	112

Application range

- For fixing profiled steel sheet to timber substructure
- Fastening profiled steel sheet ≤ 2 mm steel substructure
- Side lap stitching

Characteristics

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

Technical Specifications



Diameter	6.5 mm
Drive	Hexagon AF 3/8"
Installation rotation speed	max. 1500 rpm

EJOT® self-tapping screw JZ2-6.3



Cross references **page**

Nut socket	
K-SW3/8"-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257
ORKAN storm washers	122
Drill HSS	268
Drill hole chart	112

Length [mm]	 [mm]		Order description	Article number
Sealing washer V16, Ø 16 mm				
19	0 - 12	500	JZ2-6.3x19-V16	3 181 121 654
25	0 - 18	500	JZ2-6.3x25-V16	3 181 221 654
32	0 - 25	500	JZ2-6.3x32-V16	3 181 321 654
38	0 - 31	500	JZ2-6.3x38-V16	3 181 421 654
50	0 - 43	250	JZ2-6.3x50-V16	3 181 621 654
64	0 - 57	250	JZ2-6.3x64-V16	3 181 821 654
80	13 - 73	250	JZ2-6.3x80-V16	3 182 021 654
90	23 - 83	100	JZ2-6.3x90-V16	3 182 121 654
100	33 - 93	100	JZ2-6.3x100-V16	3 182 221 654
125	58 - 118	100	JZ2-6.3x125-V16	3 112 421 651
150	83 - 143	100	JZ2-6.3x150-V16	3 182 621 651
175	108 - 168	100	JZ2-6.3x175-V16	3 182 721 651
200	133 - 193	100	JZ2-6.3x200-V16	3 182 821 651

Application range

- For fixing profiled steel sheet to steel substrate

Characteristics



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

Technical Specifications

Diameter	6.3 mm
Drive	Hexagon AF 3/8"
Installation rotation speed	max. 400 rpm

EJOT® self-tapping screw JA3-6.5



Length [mm]	 [mm]		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
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	250	JA3-6.5x75-E16	3 113 911 311
90	12 - 40	100	JA3-6.5x90-E16	3 114 111 311
100	22 - 50	100	JA3-6.5x100-E16	3 114 211 311
115	37 - 65	100	JA3-6.5x115-E16	3 114 311 311
125	47 - 75	100	JA3-6.5x125-E16	3 114 411 311
150	70 - 100	100	JA3-6.5x150-E16	3 114 611 311
175	90 - 125	100	JA3-6.5x175-E16	3 114 711 311
200	115 - 150	100	JA3-6.5x200-E16	3 114 811 311
230	140 - 180	100	JA3-6.5x230-E16	3 114 911 311
260	170 - 210	100	JA3-6.5x260-E16	3 110 911 311
290	200 - 240	100	JA3-6.5x290-E16	3 116 211 311

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

Characteristics

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

Technical Specifications

Diameter	6.5 mm
Drive	Hexagon AF 3/8"
Installation rotation speed	max. 1500 rpm



Cross references

	page
Nut socket	
K-SW3/8"-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257
ORKAN storm washers	122
Drill HSS	268
Drill hole chart	112

EJOT® self-tapping screw JZ3-6.3



Cross references **page**

Nut socket

K-SW3/8"-1/4"x50 273



Cordless screwdriver

ASCS 6.3 257

ORKAN storm washers 122

Drill HSS 268

Drill hole chart 112

Length [mm]	 [mm]		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	0 - 43	250	JZ3-6.3x50-E16	3 111 611 311
64	0 - 57	250	JZ3-6.3x64-E16	3 111 811 311
80	13 - 73	250	JZ3-6.3x80-E16	3 112 011 311
90	23 - 83	100	JZ3-6.3x90-E16	3 112 111 311
100	33 - 93	100	JZ3-6.3x100-E16	3 112 211 311
115	48 - 108	100	JZ3-6.3x115-E16	3 112 311 311
125	58 - 118	100	JZ3-6.3x125-E16	3 112 411 311
135	68 - 128	100	JZ3-6.3x135-E16	3 112 511 311
150	83 - 143	100	JZ3-6.3x150-E16	3 112 611 311
165	98 - 158	100	JZ3-6.3x165-E16	3 110 311 311
175	108 - 168	100	JZ3-6.3x175-E16	3 112 711 311
200	133 - 193	100	JZ3-6.3x200-E16	3 112 811 311
220	153 - 213	100	JZ3-6.3x220-E16	3 110 511 311
270	203 - 263	100	JZ3-6.3x270-E16	3 110 611 311

Order information: JZ3-8.0 and JZ5-8.0 upon request.

Application range

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

Characteristics

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

Technical Specifications

Diameter	6.3 mm
Drive	Hexagon AF 3/8"
Installation rotation speed	max. 400 rpm

EJOT® self-tapping screw JZ3-S-6.3



Length [mm]		Order description	Article number
19	500	JZ3-S-6.3x19	3 029 400 311
25	500	JZ3-S-6.3x25	3 029 500 311
35	500	JZ3-S-6.3x35	3 121 700 301
64	250	JZ3-S-6.3x64	3 029 600 311

Application range

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

Characteristics

- Stainless A2

Technical Specifications

Diameter	6.3 mm
Head geometry	Countersunk head
Drive	Hexalobular drive T30
Installation rotation speed	max. 400 rpm



Cross references

	page
Bit T30-1/4"x25	272
Cordless screwdriver	
ASCS 6.3	257
Drill HSS	268
Drill hole chart	112

EJOT® self-tapping screw JA3-FR-4.9



Length [mm]		Order description	Article number
Without sealing washer			
38	500	JA3-FR-4.9x38	3 213 500 311
64	500	JA3-FR-4.9x64	3 213 800 311
Sealing washer mill finish E14, Ø 14 mm			
38	250	JA3-FR-4.9x38-E14	3 213 500 311
64	250	JA3-FR-4.9x64-E14	3 213 809 311

Application range

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

Characteristics

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

Technical Specifications

Diameter	4.9 mm
Head geometry	Truss head
Drive	Hexalobular drive T25
Installation rotation speed	max. 1500 rpm



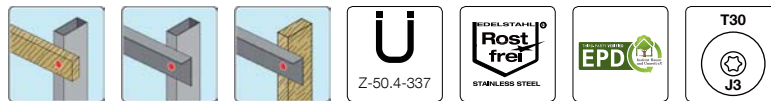
Cross references

	page
FR-tool	274
Cordless screwdriver	
ASCS 6.3	257

Self-tapping screws

JT3 made of A2 stainless steel

EJOT® self-tapping screw JA3-S-6.5



Length [mm]	Order description	Article number
35	500 JA3-S-6.5x35	3 029 800 311

Application range

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

Characteristics

- Stainless A2

Technical Specifications

Diameter	6.5 mm
Head geometry	Countersunk head
Drive	Hexalobular drive T30

Cross references	page
Bit T30-1/4"x25	272
Cordless screwdriver	
ASCS 6.3	257
Drill HSS	268
Drill hole chart	112

EJOT® clamping screw RLS 25



Length [mm]	Order description	Article number
25.0	250 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, that don't require a load-carrying capacity verification, where variable shear forces due to temperature expansion can be expected.

Characteristics

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

Notice

Seal testing is recommended.

Technical Specifications

Diameter	8.0 mm
Drill hole diameter	10.0 mm
Self-tapping screw	M5
Tightening torque	1.5 Nm
Drive	Hexagon A/F8

Cross references	page
Nut socket K-SW8-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257

EJOT® self-tapping screw JZ3-7.2



Length [mm]		Order description	Article number
Sealing washer E22, Ø 22 mm			
19	100	JB3-7.2x19-E22	3 189 113 311
25	100	JB3-7.2x25-E22	3 189 213 311

Application range

- Repair screw for covering faulty drill holes

Characteristics

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

Technical Specifications

Diameter	7.2 mm
Head geometry	Hexagon head
Drive	Hexagon AF 3/8"



Cross references



	page
Nut socket	
K-SW3/8"-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257
Drill HSS	268

Self-tapping screws

J1 made of CORREMAKS® Stainless steel HCR (1.4529)

EJOT CORREMAKS® self-tapping screw JZ1-6.3



Length [mm]	 [mm]		Order description	Article number
Sealing washer E16, Ø 16 mm				
22	0 - 7	500	JZ1-6.3x22-E16	3 111 211 319
54	0 - 39	250	JZ1-6.3x54-E16	3 111 511 319
70	3 - 55	250	JZ1-6.3x70-E16	3 111 711 319
125	58 - 110	100	JZ1-6.3x125-E16	3 112 411 319

Cross references page

Nut socket	
K-SW3/8"-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257
ORKAN storm washers	122
Drill HSS	268
Drill hole chart	112

Application range

- Fastening profiled steel sheet to steel substructure in highly corrosive environments

Characteristics



- Stainless steel HCR - 1.4529
- Stainless steel sealing washer
- Pre-assembled sealing washer
- Highest corrosion protection class

Technical Specifications

Diameter	6.3 mm
Drive	Hexagon AF 3/8"
Installation rotation speed	max. 400 rpm

EJOT CORREMAKS® self-tapping screw JA1-6.5



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

Characteristics

- Stainless steel HCR - 1.4529
- Stainless steel sealing washer
- Pre-assembled sealing washer
- Highest corrosion protection class

Technical Specifications



Diameter	6.5 mm
Drive	Hexagon AF 3/8"

Cross references page

Nut socket	
K-SW3/8"-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257
ORKAN storm washers	122
Drill HSS	268
Drill hole chart	112

EJOT CRONIMAKS® self-tapping screw JZ7-6.3



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

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)

Characteristics

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

Technical Specifications

Diameter	6.3 mm
Drive	Hexagon AF 3/8"
Installation rotation speed	max. 400 rpm



Cross references

	page
Nut socket	
K-SW3/8"-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257
ORKAN storm washers	122
Drill HSS	268
Drill hole chart	112



Increased reliability for crown fixing

ORKAN storm washers

EJOT® ORKAN storm washers

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

Requirements

EJOT® ORKAN storm washers are used for 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

EJOT® ORKAN storm washers also contribute to a reliable installation because the installer can use them as a plate drill jig when placing the storm washer. It always hits the middle of the crown. Furthermore, the surface of the profile element is protected against scratches during the fastening process.

The EJOT® ORKAN storm washer provides 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
- Crown fixing of light diffusing panels

Characteristics

- Optimised reinforcement flanges ensure high installation reliability
- Secure waterproofing
- Aluminium alloy mill finish, coloured (RAL)

Benefits

- Increased installation reliability
- High dimensional stability
- Optimum load transmission
- In combination with EJOT® self-drilling and self-tapping screws a sophisticated fastening system

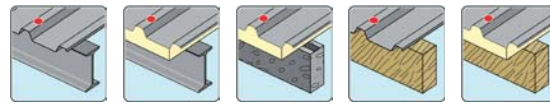
Notice

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

Cross references

	page
Self-drilling screw JT3-2-6.5	77
Self-drilling screw JT3-6-5.5	79
Self-drilling screw JT3-12-5.5	81
Self-tapping screw JA1-6.5	120
Self-tapping screw JA2-6.5	113
Self-tapping screw JA3-6.5	115
Self-tapping screw JZ1-6.3	120
Self-tapping screw JZ2-6.3	114
Self-tapping screw JZ3-6.3	116
Self-tapping screw JZ7-6.3	121

EJOT® trapezoidal ORKAN storm washers



Width of ORKAN storm washer [mm]	Inclination angle [°]	Crown width [mm]		Order description	Article number
20	34	19	500	ORKAN storm washer 20-34 mill finish	3 046 700 110
20	34	19	500	ORKAN storm washer 20-34 RAL***	-
21	16	20	500	ORKAN storm washer 21-16 mill finish	3 046 600 110
21	16	20	500	ORKAN storm washer 21-16 RAL***	-
21	16	20	100	ORKAN storm washer 21-16 Alu-RAL7016 VE100	3 072 116 025
21	16	20	100	ORKAN storm washer 21-16 Alu-RAL 9002 VE100	3 076 682 119
21	25	20	500	ORKAN storm washer 21-25 mill finish	3 052 125 000
21	25	20	500	ORKAN storm washer 21-25 RAL***	-
21	25	20	100	ORKAN storm washer 21-25 Alu-RAL 7016 VE100	3 072 125 025
21	25	20	100	ORKAN storm washer 21-25 Alu-RAL 8012 VE100	3 072 125 040
23	33	22	500	ORKAN storm washer 23-33 mill finish	3 052 333 000
23	33	22	500	ORKAN storm washer 23-33 RAL***	-
26	15	25	500	ORKAN storm washer 26-15 mill finish	3 046 900 110
26	15	25	500	ORKAN storm washer 26-15 RAL***	-
26	15	25	100	ORKAN storm washer 26-15 Alu-RAL 3009 VE100	3 076 957 119
26	15	25	100	ORKAN storm washer 26-15 Alu-RAL 7016 VE100	3 072 615 025
26	15	25	100	ORKAN storm washer 26-15 Alu-RAL 8012 VE100	3 076 940 119
26	15	25	100	ORKAN storm washer 26-15 Alu-RAL 9002 VE100	3 076 982 119
26	15	25	100	ORKAN storm washer 26-15 Alu-RAL 9006 VE100	3 076 984 119
26	15	25	100	ORKAN storm washer 26-15 Alu-RAL 9007 VE100	3 072 615 220
26	27	25	500	ORKAN storm washer 26-27 mill finish	3 047 000 110
26	27	25	100	ORKAN storm washer 26-27 mill finish VE100	3 077 000 110
26	27	25	500	ORKAN storm washer 26-27 RAL***	-
26	27	25	100	ORKAN storm washer 26-27 Alu-RAL 3009 VE100	3 077 057 119
26	27	25	100	ORKAN storm washer 26-27 Alu-RAL 6005 VE100	3 072 627 243
26	27	25	100	ORKAN storm washer 26-27 Alu-RAL 7016 VE100	3 077 025 119
26	27	25	100	ORKAN storm washer 26-27 Alu-RAL 8004 VE100	3 077 043 119
26	27	25	100	ORKAN storm washer 26-27 Alu-RAL 8011 VE100	3 077 078 119
26	27	25	100	ORKAN storm washer 26-27 Alu-RAL 8012 VE100	3 077 040 119
26	27	25	100	ORKAN storm washer 26-27 Alu-RAL 9002 VE100	3 077 082 119
26	27	25	100	ORKAN storm washer 26-27 Alu-RAL 9006 VE100	3 077 084 119
26	27	25	100	ORKAN storm washer 26-27 Alu-RAL 9007 VE100	3 072 627 220
26	34	25	500	ORKAN storm washer 26-34 mill finish	3 052 634 000
26	34	25	500	ORKAN storm washer 26-34 RAL***	-
26	50	25	500	ORKAN storm washer 26-50 mill finish	3 052 650 000
26	50	25	500	ORKAN storm washer 26-50 RAL***	-
31	31	30	500	ORKAN storm washer 31-31 mill finish	3 053 132 000
31	31	30	500	ORKAN storm washer 31-31 RAL***	-
31	37	30	500	ORKAN storm washer 31-37 mill finish	3 045 900 110
31	37	30	500	ORKAN storm washer 31-37 RAL***	-
32	25	31	500	ORKAN storm washer 32-25 mill finish	3 053 124 000
32	25	31	500	ORKAN storm washer 32-25 RAL***	-
32	25	31	100	ORKAN storm washer 32-25 Alu-RAL 3009 VE100	3 073 124 057
32	25	31	100	ORKAN storm washer 32-25 Alu-RAL 7016 VE100	3 073 124 025
32	25	31	100	ORKAN storm washer 32-25 Alu-RAL 8004 VE100	3 073 225 043
32	25	31	100	ORKAN storm washer 32-25 Alu-RAL 9002 VE100	3 073 124 082

****add four-digit RAL number code

EJOT® trapezoidal ORKAN storm washers



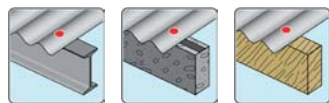
Width of ORKAN storm washer [mm]	Inclination angle [°]	Crown width [mm]		Order description	Article number
32	25	31	100	ORKAN storm washer 32-25 Alu-RAL 9006 VE100	3 073 124 084
32	25	31	100	ORKAN storm washer 32-25 Alu-RAL 9007 VE100	3 073 124 220
34	50	33	500	ORKAN storm washer 34-50 mill finish	3 053 450 000
34	50	33	500	ORKAN storm washer 34-50 RAL***	-
35	23	34	500	ORKAN storm washer 35-23 mill finish	3 046 100 110
35	23	34	500	ORKAN storm washer 35-23 RAL***	-
35	47	34	500	ORKAN storm washer 35-47 mill finish	3 053 547 000
35	47	34	500	ORKAN storm washer 35-47 RAL***	-
35	47	34	100	ORKAN storm washer 35-47 Alu-RAL 7016 VE100	3 073 547 025
35	47	34	100	ORKAN storm washer 35-47 Alu-RAL 8012 VE100	3 073 547 040
35	47	34	100	ORKAN storm washer 35-47 Alu-RAL 9002 VE100	3 073 547 082
36	40	35	500	ORKAN storm washer 36-40 mill finish	3 053 538 000
36	40	35	500	ORKAN storm washer 36-40 RAL***	-
41	16	40	500	ORKAN storm washer 41-16 mill finish	3 046 200 110
41	16	40	500	ORKAN storm washer 41-16 RAL***	-
41	16	40	100	ORKAN storm washer 41-16 Alu-RAL 9002 VE100	3 076 282 119
41	32	40	500	ORKAN storm washer 41-32 mill finish	3 049 200 110
41	32	40	100	ORKAN storm washer 41-32 mill finish VE100	3 079 200 110
41	32	40	500	ORKAN storm washer 41-32 RAL***	-
41	32	40	100	ORKAN storm washer 41-32 Alu-RAL 3009 VE100	3 079 257 119
41	32	40	100	ORKAN storm washer 41-32 Alu-RAL 6005 VE100	3 074 132 243
41	32	40	100	ORKAN storm washer 41-32 Alu-RAL 7016 VE100	3 079 225 119
41	32	40	100	ORKAN storm washer 41-32 Alu-RAL 7035 VE100	3 079 275 119
41	32	40	100	ORKAN storm washer 41-32 Alu-RAL 8004 VE100	3 079 243 119
41	32	40	100	ORKAN storm washer 41-32 Alu-RAL 8011 VE100	3 079 278 119
41	32	40	100	ORKAN storm washer 41-32 Alu-RAL 8012 VE100	3 079 240 119
41	32	40	100	ORKAN storm washer 41-32 Alu-RAL 9002 VE100	3 079 282 119
41	32	40	100	ORKAN storm washer 41-32 Alu-RAL 9006 VE100	3 079 284 119
41	32	40	100	ORKAN storm washer 41-32 Alu-RAL 9007 VE100	3 074 132 220
41	39	40	500	ORKAN storm washer 41-39 mill finish	3 054 139 000
41	39	40	500	ORKAN storm washer 41-39 RAL***	-
41	39	40	100	ORKAN storm washer 41-39 Alu-RAL 7016 VE100	3 074 139 025
41	39	40	100	ORKAN storm washer 41-39 Alu-RAL 8012 VE100	3 074 139 040
41	39	40	100	ORKAN storm washer 41-39 Alu-RAL 9002 VE100	3 074 139 082
41	50	40	500	ORKAN storm washer 41-50 mill finish	3 054 150 000
41	50	40	500	ORKAN storm washer 41-50 RAL***	-
53	36	52	400	ORKAN storm washer 53-36 mill finish	3 055 336 000
53	36	52	400	ORKAN storm washer 53-36 RAL***	-
55	32	54	400	ORKAN storm washer 55-32 mill finish	3 049 500 110
55	32	54	400	ORKAN storm washer 55-32 RAL***	-
55	32	54	100	ORKAN storm washer 55-32 Alu-RAL 7016 VE100	3 079 525 119
55	32	54	100	ORKAN storm washer 55-32 Alu-RAL 8012 VE100	3 079 540 119
55	32	54	100	ORKAN storm washer 55-32 Alu-RAL 9002 VE100	3 079 582 119
55	32	54	100	ORKAN storm washer 55-32 Alu-RAL 9006 VE100	3 079 584 119

****add four-digit RAL number code



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

EJOT® sinusoidal ORKAN storm washer



Radius [mm]	for sinusoidal profiles	Length [mm]		Order description	Article number
24	18/76	50	500	ORKAN storm washer W24 mill finish	3 047 700 110
24	18/76	50	100	ORKAN storm washer W24 mill finish VE100	3 077 700 110
24	18/76	50	500	ORKAN storm washer W24 RAL***	-
24	18/76	50	100	ORKAN storm washer W24 Alu-RAL 7016 VE100	3 077 725 119
24	18/76	50	100	ORKAN storm washer W24 Alu-RAL 8012 VE100	3 077 740 119
24	18/76	50	100	ORKAN storm washer W24 Alu-RAL 9006 VE100	3 077 784 119
30	27/111	50	500	ORKAN storm washer W30 mill finish	3 050 030 000
30	27/111	50	500	ORKAN storm washer W30 RAL***	-
48	42/160 + 55/177	50	500	ORKAN storm washer W48 mill finish	3 047 400 110
48	42/160 + 55/177	50	500	ORKAN storm washer W48 RAL***	-

****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
7042	8004	8011	8012	8014	8016	8017	8024
9002	9005	9006	9007	9010			

Selection guide

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

We only need the following three values:

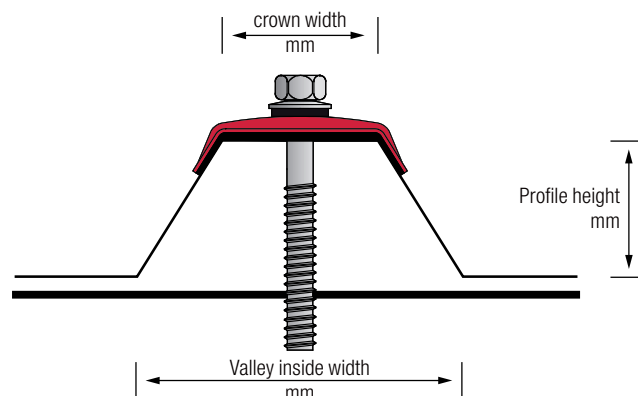
- crown width [mm]
- profile height [mm]
- valley inside width [mm]

Reply

Please tell us the three values:

Fax: +49 2752 908-731

E-Mail: bau@ejot.com



Manufacturer	Profile description	Storm washer type
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
	Corrugated sheet 18/76	W 24
	Corrugated sheet 35/137	W 43
	Corrugated sheet 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
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	
Corrugated sheet 18/76	W24	
Balex	Balextherm-PV-R	26 - 27
Bieber	20/125	41 - 32
	30/262K	41 - 50
	35/207	41 - 32
	40/183/183 S	41 - 16

Manufacturer	Profile description	Storm washer type
Bieber	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
Brucha	150/280	41 - 24
	160/250	41 - 16
	170/250	41 - 16
	DP72/82/102/122/142/162	26 - 15
Brucha	DP-F	26 - 15
	DS 20/115	26 - 34
DS Staalprofil	DS 35/190	41 - 39
	DS 35/206	36 - 40
	DS Sinus 35/143	W 30
	SISCOROOF 4G	21 - 16
	SISCOTEK 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
	Corrugated sheet EL 18/76	W24
Finish Profiles	Dakprofil 18 - 76	W 24
	Dakprofil 42 - 960	W 48
	Dakprofil 35 - 1000	41 - 24
	Dakprofil 40 - 915	41 - 16
	Dakprofil 50 - 1000	55 - 32
	Dakprofil 58 - 945 KD	53 - 36
	Dakprofil 70R - 800	53 - 18
Fischer	35/207	41 - 32
	40/183	41 - 16
	50/250	55 - 32



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

Self-drilling screws

Facade screws (rear-ventilated facades)

Direct assembly

Self-tapping screws

Orkan storm washers

Rivets

Fasteners for solar/photovoltaic

Scaffolding anchors

Pipe flashings

Flat roof fasteners

Anchor technology

Installation technology

Dry wall construction

Accessories

Machinery Spare parts Tools

Manufacturer	Profile description	Storm washer type
Fischer	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
	Hoesch Thermorock roof	23 - 33
	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
Italpanelli	WP 42/160	W 48
	WP 27/111	W 30
	Penta 40	21 - 16
Jorisode	JI 33.250.1000	23 - 33
	JI 45.333.1000	26 - 27
	JI 35.207.1035	41 - 39
	JI 40.183.915	41 - 16
	JI 50.250.1000	55 - 32
	JI 56.317.945	53 - 42
	JI Roof 1000	26 - 27
	JI 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
Klößner	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
	KAS -D 80	41 - 32

Manufacturer	Profile description	Storm washer type
Klößner	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
Luxmetall	Sinus 18	W 24
	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
	Corrugated sheet 18-76	W24
	Corrugated sheet 27-111	W30
Corrugated sheet 55-177	W48	
Metecno	Isopaneel	26 - 27
	G4	21 - 16
	Hipertec Dach	21 - 16
	Hipertec Dach Sound	21 - 16
	Toproof DG	20 - 34
	SISCO	21 - 16
Montana	SP 20	26 - 34
	SP 26	41 - 24
	SP 30	41 - 50
	SP 35	41 - 32
	SP 40	41 - 16
	SP 44	31 - 22
	SP 45	41 - 32
	SP 59	35 - 23
	SP 80	41 - 16
	MTD TL 65	35 - 23
M-Profile	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
Münker	FP	36 - 40
	M 20/210; M 20KD/210	41 - 39

ORKAN storm washers - selection guide



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

Manufacturer	Profile description	Storm washer type
Münker	M 35/207	41 - 39
	M 35.1/207	35 - 47
	M 40/183	41 - 16
	M 40.1/183	41 - 24
	M 40/333; M 40KD/333	26 - 27
	M 50/250	55 - 32
	M 85/280	41 - 32
	M 100/275	41 - 24
	M 150/280	41 - 24
	M 160/250	41 - 16
M 18/76; M 18.1/76	W 24	
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
	Corrugated sheet 18.76	W 24
	Corrugated sheet 55.177	W48
Corrugated sheet 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
Plannja 45	41 - 39	
Proge	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
	70/200	53 - 18
	80/277	41 - 16
	85/280	41 - 39
89/305	41 - 32	
100/275	41 - 24	
105/345	41 - 24	
106/250	41 - 16	

Manufacturer	Profile description	Storm washer type
Proge	Corrugated sheet 18/76	W 24
	Corrugated sheet 27/111	W 30
	Corrugated sheet 42/160	W 48
	Corrugated sheet 55/177	W 48
Romakowski	D62; D82; D102; D122; D142	26 - 15
	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
Sab	45KD/1000	32 - 25
	45KD/1000S	26 - 27
	58KD/945	53 - 36
	65-75-95-115-135	36 - 40
	D 135.1000 TL	36 - 40
	18 / 988	W 24
	42 / 960	W 48
	27 / 1000	W 24
	PS 35/207	41 - 32
	PS 40/183	41 - 16
Salzgitter	PS 50/250	55 - 32
	PS 85/280	41 - 39
	PS 100/275	41 - 24
	SIP D	41 - 32
Siegmetall	S 18/76	W 24
	S 35/207	35 - 47
	40/183	41 - 16
	40/333	26 - 27
	50/250	55 - 32
	CB 75/305	41 - 39
Trimo	85/280	41 - 32
	100/275	41 - 16
	SNV	26 - 27
Wurzer Profiliertechnik	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
	WU 18/76	W 24
WU 27/111	W 30	
WU 55/177	W 48	



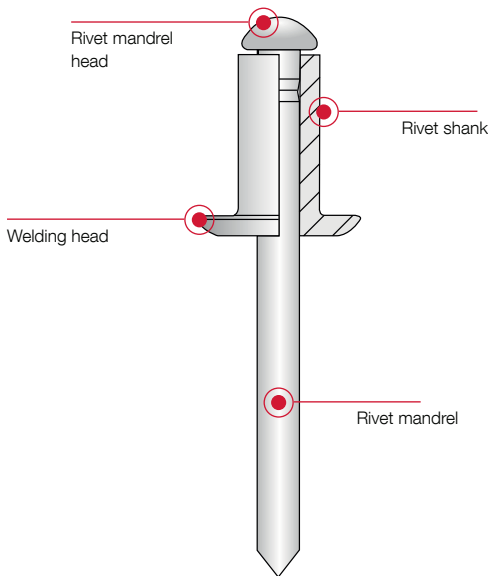


ECORIV[®] rivets

Plastically deformable fastening elements

Blind rivets

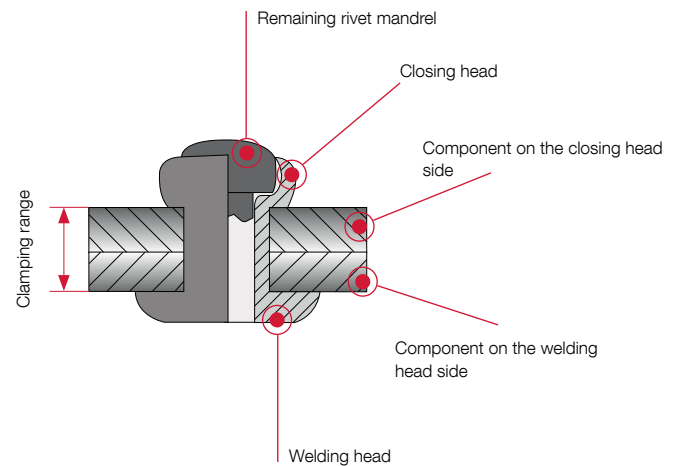
The two-part blind rivet consists of a rivet body which is mounted to a rivet mandrel. Only one side of the components which are to be connected must be accessible for processing. The blind rivet is installed by pulling back the mandrel with a special tool, whereupon the mandrel head penetrates into the rivet and expands the protruding material to a closing head.



The rivet body is the element which creates the joint.

It is formed by the rivet mandrel and remains in the component non-detachably. The body geometry is selected based on

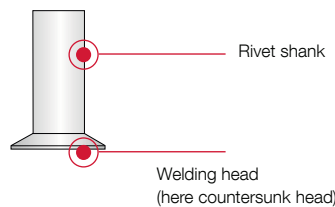
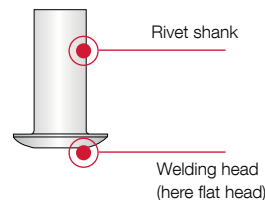
- the expected mechanical loadings,
- the corrosion requirements,
- the design of the components,
- the thermal stress and to some extent also
- the visual appearance.



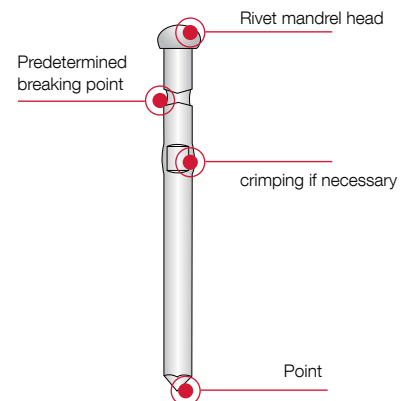
The rivet mandrel is necessary to form the rivet body.

It is designed according to the body type and the requirements concerning the processing and functional properties. For some special rivet types, the rivet mandrel remaining in the joint after the installation is used to increase the shear force of the rivet.

Rivet body

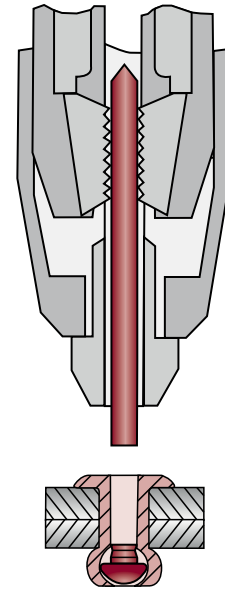
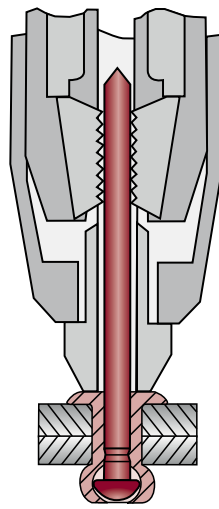
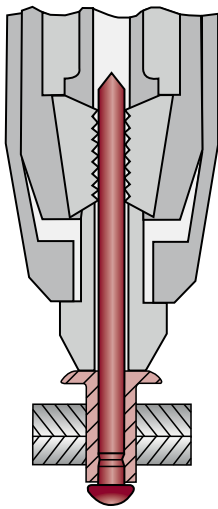


Rivet mandrel



Correct installation of rivets

Special tools are necessary to install blind rivets. The tools have to be selected according to the rivet type, the application and the processing quantity. The possibilities range from manual rivet pliers, lever tools in the manual area, modern cordless tedders to compressed air devices or process-monitored automations for industrial applications.



The installation process

The mandrel of the blind rivet is set into the installation tool and then inserted into the rivet hole.

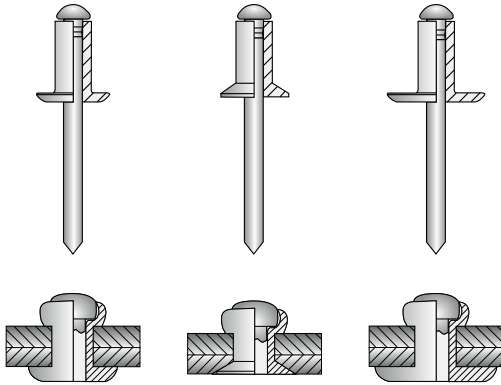
The rivet mandrel is gripped and pulled with the clamping jaws by triggering the installation tool stroke. The rivet mandrel head thus deforms the shaft end of the rivet body.

The process is completed when the mandrel head reaches the height of the component surface. This position is connected with a strong force increase, at which the rivet mandrel tears off at its predetermined breaking point. The torn mandrel is removed, the residual rivet mandrel remains in the rivet.



Rivet versions

Open, closed or high-strength versions, multi-range or folding blind rivets, with flat, countersunk or large head and many more - the range of available dimensions, types and versions is almost boundless.



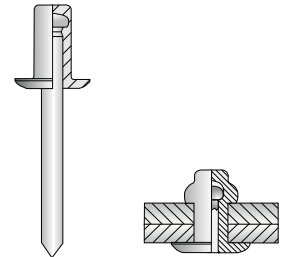
Standard blind rivets

Standard blind rivets are available with flat, countersunk or large head. The product range includes the versions and special types described in the DIN EN ISO 15977 to 15984 as well as 16582 and 16584. By special types we mean rivets with a functional principle according to the above-mentioned norms, but with deviations concerning certain dimensions, functional properties or material combinations.

Closed-end rivets

Due to their cup-shaped rivet body, closed-end rivets are the experts for liquid-seal processing. Thanks to this special design, the remaining rivet mandrel is captive as well. Furthermore, the rivet forms an even, burr-free closing head and is thus particularly suitable for automated processing.

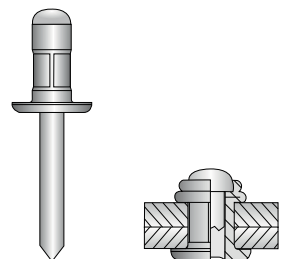
Because of the mentioned features, the closed-end rivet is a preferred fastening element in the automotive industry, like for example for the production of AIRBAGS. Further application areas are the container and apparatus construction and the building industry.



Multi-range blind rivets

The multi-range blind rivet can be clearly distinguished from a standard blind rivet by its specially stamped rivet shank. Its constructive design guarantees a number of outstanding functional properties.

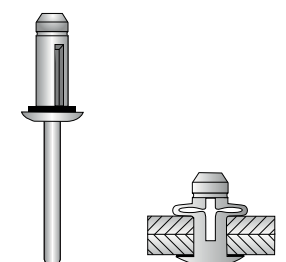
Nowadays, multi-range blind rivets are used in virtually every branch of industry, for example in the vehicle construction, air-conditioning technology or container and apparatus construction. Furthermore, the multi-range blind rivet is perfectly suitable as a repair rivet.



Bulbrite rivets




The large-scale folding of the closing head of bulbrite rivets ensures a uniform distribution of the occurring forces, as a result of which especially soft or brittle components are less heavily loaded.

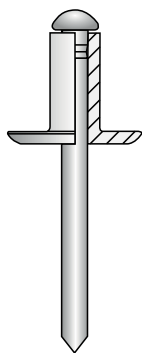
Bulbrite rivets are used in all areas of industrial lightweight construction. Additionally, the joint is splash-water-protected thanks to the locking of the remaining rivet mandrel. The EJOT ECORIV® bulbrite rivet features an assembled neoprene sealing ring.



Blind rivet ECORIV® aluminium/stainless steel K14



Order description	d [mm]	l ⁺¹ [mm]	d _k [mm]	d _m [mm]	k [mm]	 [mm]	 [mm]		Article number
Blind rivet ECORIV AL/E 5.0x8.0 K14	5.0	8.0	14.0	2.7	1.5	5.1	2.0 - 5.0	500	9 332 503 000
Blind rivet ECORIV AL/E 5.0x10.0 K14	5.0	10.0	14.0	2.7	1.5	5.1	4.0 - 6.5	500	9 332 504 000
Blind rivet ECORIV AL/E 5.0x12.0 K14	5.0	12.0	14.0	2.7	1.5	5.1	6.0 - 8.0	500	9 332 505 000
Blind rivet ECORIV AL/E 5.0x14.0 K14	5.0	14.0	14.0	2.7	1.5	5.1	7.5 - 10.0	500	9 332 506 000
Blind rivet ECORIV AL/E 5.0x16.0 K14	5.0	16.0	14.0	2.7	1.5	5.1	9.5 - 12.0	500	9 332 508 000
Blind rivet ECORIV AL/E 5.0x18.0 K14	5.0	18.0	14.0	2.7	1.5	5.1	11.5 - 13.5	500	9 332 509 000
Blind rivet ECORIV AL/E 5.0x20.0 K14	5.0	20.0	14.0	2.7	1.5	5.1	12.0 - 15.5	500	9 332 510 000
Blind rivet ECORIV AL/E 5.0x25.0 K14	5.0	25.0	14.0	2.7	1.5	5.1	15.0 - 20.5	500	9 332 511 000

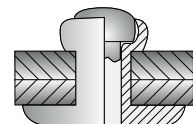
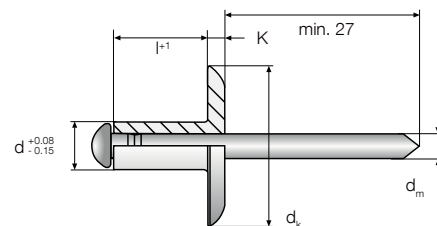


Application range

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

Characteristics

- Rivet body made of aluminium (Al)
- Mandrel made of stainless steel (E)
- Captive locked
- Large head, open



Cross references




	page
Battery riveter	
ECORIV ONE	263
ECORIV TWO	264
Drill HSS	268

Notice

Building authorities-approved rivets according to Z-14.1-4 available upon request.

Closed-end rivet ECORIV® aluminium/stainless steel



Order description	d [mm]	l ⁺¹ [mm]	d _k [mm]	d _m [mm]	k [mm]	 [mm]	 [mm]		Article number
Closed-end rivet ECORIV AL/E 4.8x8.0	4.8	8.0	9.5	2.7	1.5	4.9	0.5 - 3.5	500	9 334 403 000
Closed-end rivet ECORIV AL/E 4.8x10.0	4.8	10.0	9.5	2.7	1.5	4.9	3.0 - 5.0	500	9 334 404 000
Closed-end rivet ECORIV AL/E 4.8x12.0	4.8	12.0	9.5	2.7	1.5	4.9	4.5 - 6.5	500	9 334 405 000
Closed-end rivet ECORIV AL/E 4.8x14.0	4.8	14.0	9.5	2.7	1.5	4.9	7.5 - 9.5	500	9 334 406 000
Closed-end rivet ECORIV AL/E 4.8x16.0	4.8	16.0	9.5	2.7	1.5	4.9	9.0 - 11.0	500	9 334 408 000
Closed-end rivet ECORIV AL/E 4.8x22.0	4.8	22.0	9.5	2.7	1.5	4.9	12.5 - 16.0	500	9 334 411 000

Application range

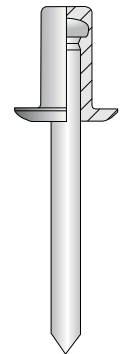
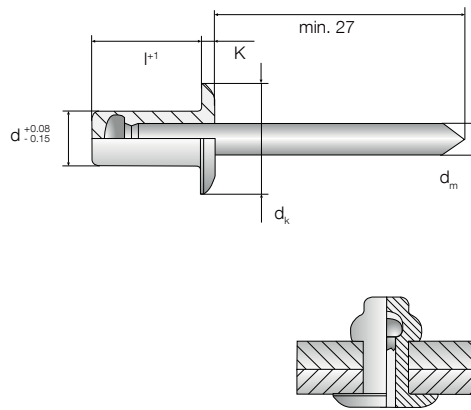
- For side lap stitching of profiled sheet

Characteristics

- Rivet body made of aluminium (Al)
- Mandrel made of stainless steel (E)
- Captive locked
- Flat head, closed

Notice

Building authorities-approved rivets according to Z-14.1-4 available upon request.



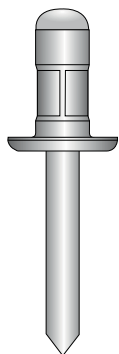
Cross references

	page
Battery riveter	
ECORIV ONE	263
ECORIV TWO	264
Drill HSS	268

Multi-range blind rivet ECORIV® aluminium/stainless steel



Order description	d [mm]	l ⁻¹ [mm]	d _k [mm]	d _m [mm]	k [mm]	[mm]	[mm]	Article number
Multi-range blind rivet ECORIV AL/E 4.0x9.5	4.0	9.5	7.9	2.3	1.2	4.1	1.2 - 6.3	500 9 337 360 000
Multi-range blind rivet ECORIV AL/E 4.8x10.3	4.8	10.3	9.8	2.8	1.5	4.9	1.6 - 6.3	500 9 337 361 000
Multi-range blind rivet ECORIV AL/E 4.8x15.1	4.8	15.1	9.8	2.8	1.5	4.9	4.8 - 11.1	500 9 337 362 000
Multi-range blind rivet ECORIV AL/E 4.8x24.8	4.8	24.8	9.8	2.8	1.5	4.9	12.7 - 19.8	500 9 337 363 000



Application range

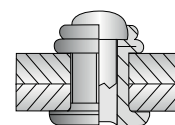
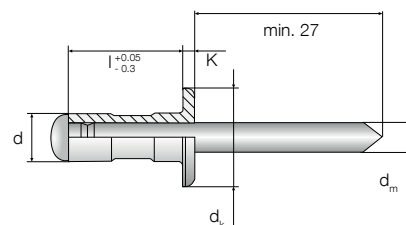
- For side lap stitching of profiled sheet

Characteristics

- Rivet body made of aluminium (Al)
- Mandrel made of stainless steel (E)
- Captive locked
- Flat head, open

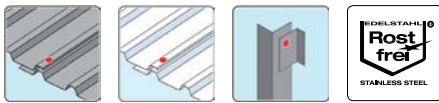
Notice




Building authorities-approved rivets according to Z-14.1-4 available upon request.



Cross references	page
Battery riveter	
ECORIV ONE	263
ECORIV TWO	264
Drill HSS	268

Bulbrite rivet ECORIV® aluminium/aluminium



Order description	d [mm]	l ⁺¹ [mm]	d _k [mm]	d _m [mm]	k [mm]	 [mm]	 [mm]		Article number
Bulbrite rivet ECORIV ALU 5.2x17.5	5.2	17.5	11.5	2.9	2.5	5.3 - 5.6	1.3 - 4.7	500	9 385 641 000
Bulbrite rivet ECORIV ALU 5.2x20.5	5.2	20.5	11.5	2.9	2.5	5.3 - 5.6	3.0 - 7.7	500	9 385 642 000
Bulbrite rivet ECORIV ALU 5.2x22.2	5.2	22.2	11.5	2.9	2.5	5.3 - 5.6	4.8 - 9.5	500	9 385 643 000
Bulbrite rivet ECORIV ALU 5.2x25.4	5.2	25.4	11.5	2.9	2.5	5.3 - 5.6	8.0 - 12.7	500	9 385 644 000
Bulbrite rivet ECORIV ALU 5.2x28.6	5.2	28.6	11.5	2.9	2.5	5.3 - 5.6	11.1 - 16.9	500	9 385 645 000
Bulbrite rivet ECORIV ALU 5.2x31.8	5.2	31.8	11.5	2.9	2.5	5.3 - 5.6	14.3 - 19.1	250	9 385 646 000

Application range

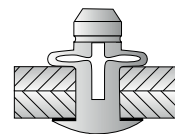
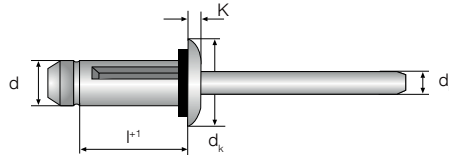
- For side lap stitching of profiled metal and plastic sheets
- For connecting aluminium profiles

Characteristics

- Rivet body made of aluminium (Al)
- Mandrel made of aluminium (Al)
- Captive locked
- Flat head, open
- With neoprene sealing ring

Notice

Building authorities-approved rivets according to Z-14.1-4 and Z-14.1-537 available upon request.



Cross references

	page
Battery riveter	
ECORIV ONE	263
ECORIV TWO	264
Drill HSS	268



Solar Fastening System

for solar / photovoltaic installations

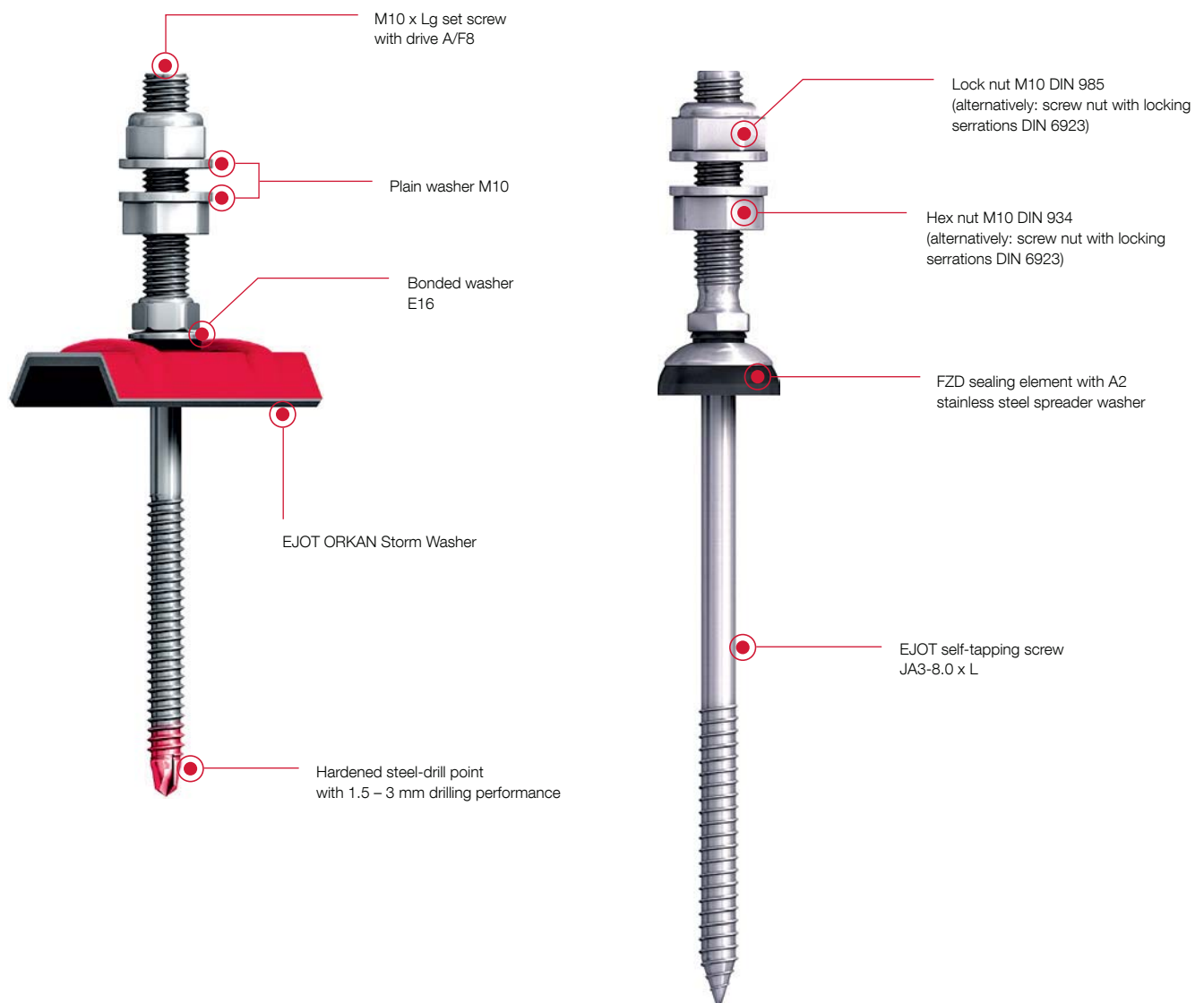
EJOT® Solar Fastening System

The EJOT® Solar Fastening System is the first stainless steel fastening element approved by the German Institute for Construction Technology (DIBt) with which photovoltaic installations can be mounted to trapezoidal steel profiles and sandwich panel roofs.

Pre-drilling is a thing of the past - the new EJOT Solar Fastening System made of stainless steel A2 (AISI 304) or A4 (AISI 316) features a hardened steel drill point. Thread forming and fastening is done in one work step.

Benefits

- 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





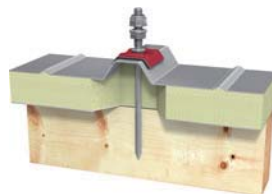
Product selection depending on roof structure

JA thread for timber substructures:



EJOT® JA3-SB-8.0xL

with FZD sealing element
for fibre cement roofing



EJOT® JA3-SB-8.0xL

with sealing washer E16
+ ORKAN storm washer
for sandwich panels



EJOT® JA3-SB-8.0xL

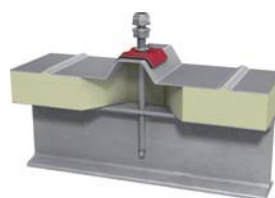
with sealing washer E16
+ ORKAN storm washer
for trapezoidal profiles

JT thread for steel substructures:



EJOT® JT3-SB-8.0xL

with FZD sealing element
for fibre cement roofing



EJOT® JT3-SB-8.0xL

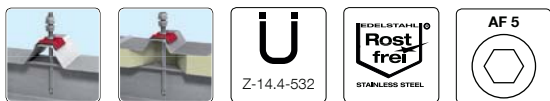
with sealing washer E16
+ ORKAN storm washer
for sandwich panels





EJOT® JT3-SB-8.0xL

with sealing washer E16
+ ORKAN storm washer
for trapezoidal profiles

EJOT® Solar Fastening System JT3-SB-8.0xL



Length Screw [mm]	 [mm]		Order description	Article number
Setscrew M10x 50 mm				
85	20-62	25	Set JT3-SB-3-8.0x85/M10x50 E16 DIN 934	3 340 891 905
115	50-92	25	Set JT3-SB-3-8.0x115/M10x50 E16 DIN 934	3 341 191 905
155	90-132	25	Set JT3-SB-3-8.0x155/M10x50 E16 DIN 934	3 341 591 905
195	130-172	25	Set JT3-SB-3-8.0x195/M10x50 E16 DIN 934	3 341 991 905

NEW



Application range

- For fastening elevated solar and photovoltaic installations to steel substructures 1.5 - 3 mm
- Can also be used for steel substructure ≥ 3.0 mm if pre-drilled
- For high-strength steel substructures up to S450GD

Characteristics

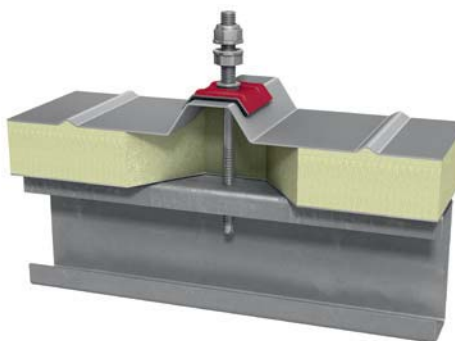
- Stainless A2
- With sealing washer E16 + ORKAN storm washer

Benefits

- 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

Technical Specifications

Screw diameter	8.0 mm
Drive	Hexagon A/F5
Installation rotation speed	max. 1300 1/min.



Cross references	page
Bit SW5-1/4"x25	272
Bit holder BT-1/4"-1/4"x42	273
Cordless screwdriver ASCS 18	258
Drill HSS	268
Weldable flat steel	142



See the EJOT Solar Fastening System in action:

<https://youtu.be/AnTV9Pyubqc>

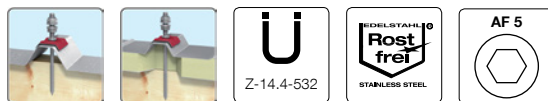
Drill hole diameter

Solar Fastening System JT3-SB-3-8.0xL	Thickness of substructure (Steel S235 - EN 10025-1) [mm]				
	1.5 < 3.0	3.0 < 5.0	5.0 < 7.5	7.5 < 10	≥ 10
Ø [mm]	no pre-drilling	6.8	7.0	7.2	7.4

Characteristic values for the load-bearing capacity

Solar Fastening System JT3-SB-3-8.0xL	Thickness of substructure (Steel S235 - EN 10025-1) [mm]			
	1.5	2.0	3.0	≥ 4
N _{R,k} [kN]	2.20	3.4	5.8	6.8

EJOT® Solar Fastening System JA3-SB-8.0xL



Cross references

	page
Bit SW5-1/4"x25	272
Bit holder BT-1/4"-1/4"x42	273
Cordless screwdriver ASCS 18	258
Drill HSS	268
Weldable flat steel	142

Length Screw [mm]		Order description	Article number
Setscrew M10x 50 mm			
80	25	Set JA3-SB-8.0x80/50 E16 DIN 934	3 150 891 905
100	25	Set JA3-SB-8.0x100/50 E16 DIN 934	3 151 091 905
130	25	Set JA3-SB-8.0x130/50 E16 DIN 934	3 151 391 905
150	25	Set JA3-SB-8.0x150/50 E16 DIN 934	3 151 591 905
180	25	Set JA3-SB-8.0x180/50 E16 DIN 934	3 151 891 905
200	25	Set JA3-SB-8.0x200/50 E16 DIN 934	3 152 091 905
Setscrew M10x 70 mm			
80	25	Set JA3-SB-8.0x80/70 E16 DIN 934	3 150 891 907
100	25	Set JA3-SB-8.0x100/70 E16 DIN 934	3 151 091 907
130	25	Set JA3-SB-8.0x130/70 E16 DIN 934	3 151 391 907
150	25	Set JA3-SB-8.0x150/70 E16 DIN 934	3 151 591 907
180	25	Set JA3-SB-8.0x180/70 E16 DIN 934	3 151 891 907
200	25	Set JA3-SB-8.0x200 /70 E16 DIN 934	3 152 091 907

Order information: Also available with screw nuts with locking serrations DIN 6923

Application range

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

Characteristics

- Stainless A2
- With sealing washer E16 + ORKAN storm washer

Accessories

Order description		Article number
Weldable flat steel 40x5x110 A2 / hole 10 mm	25	3 110 001 000

Technical Specifications

Screw diameter	8.0 mm
Drive	Hexagon A/F5

Notice

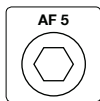
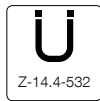
The solar fastening system components are tailored to your project. Further versions on request!





Drill hole diameter

Solar Fastening System	Thickness of the substructure [mm]					
	Steel				Timber	
	1.5... < 5.0	5.0... < 7.5	7.5... < 10	≥ 10	≥ 32	≥ 40
JZ3-SB-8.0xL	6.8	7.0	7.2	7.4	-	-
JA3-SB-8.0xL	-	-	-	-	5.5	5.5
JA3-SB-10.0xL	-	-	-	-	-	7.0

EJOT® Solar Fastening System JT3-SB-8.0xL



Length Screw [mm]	 [mm]		Order description	Article number
Setscrew M10x 50 mm				
85	20-62	25	Set JT3-SB-3-8.0x85/M10x50 FZD DIN 934	3 340 898 905
115	50-92	25	Set JT3-SB-3-8.0x115/M10x50 FZD DIN 934	3 341 198 905
155	90-132	25	Set JT3-SB-3-8.0x155/M10x50 FZD DIN 934	3 341 598 905
195	130-172	25	Set JT3-SB-3-8.0x195/M10x50 FZD DIN 934	3 341 998 905

NEW

Application range

- For fastening elevated solar and photovoltaic installations to steel substructures 1.5 - 3 mm
- Can also be used for steel substructure ≥ 3.0 mm if pre-drilled
- For high-strength steel substructures up to S450GD

Characteristics

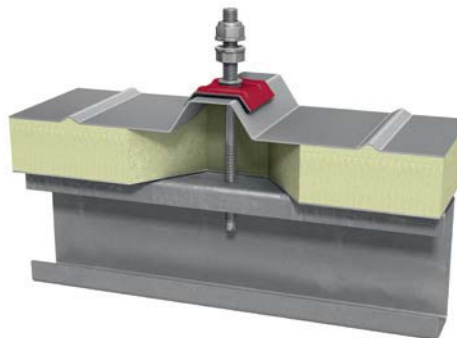
- Stainless A2
- With FZD sealing washer

Benefits

- 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

Technical Specifications

Screw diameter	8.0 mm
Drive	Hexagon A/F5
Installation rotation speed	max. 1300 1/min.



Cross references	page
Bit SW5-1/4"x25	272
Bit holder BT-1/4"-1/4"x42	273
Cordless screwdriver ASCS 18	258
Drill HSS	268
Weldable flat steel	142



See the EJOT Solar Fastening System in action:

<https://youtu.be/AnTV9Pyubqc>

Drill hole diameter

Solar Fastening System JT3-SB-3-8.0xL	Thickness of substructure (Steel S235 - EN 10025-1) [mm]				
	1.5 < 3.0	3.0 < 5.0	5.0 < 7.5	7.5 < 10	≥ 10
Ø [mm]	no pre-drilling	6.8	7.0	7.2	7.4

Characteristic values for the load-bearing capacity

Solar Fastening System JT3-SB-3-8.0xL	Thickness of substructure (Steel S235 - EN 10025-1) [mm]			
	1.5	2.0	3.0	≥ 4
N _{R,k} [kN]	2.20	3.4	5.8	6.8

- Self-drilling screws
- Facade screws (rear-ventilated facades)
- Direct assembly
- Self-tapping screws
- Orkan storm washers
- Rivets
- Fasteners for solar/photovoltaic
- Scaffolding anchors
- Pipe flashings
- Flat roof fasteners
- Anchor technology
- Installation technology
- Dry wall construction
- Accessories
- Machinery Spare parts Tools



EJOT® Solar Fastening System JA3-SB-8.0xL



Cross references

Bit SW5-1/4"x25	272
Bit holder BT-1/4"-1/4"x42	273
Cordless screwdriver ASCS 18	258
Drill HSS	268
Weldable flat steel	142

Length Screw [mm]		Order description	Article number
Setscrew M10x 50 mm			
80	25	Set JA3-SB-8.0x80/50 FZD DIN 934	3 150 898 905
100	25	Set JA3-SB-8.0x100/50 FZD DIN 934	3 151 098 905
130	25	Set JA3-SB-8.0x130/50 FZD DIN 934	3 151 398 905
150	25	Set JA3-SB-8.0x150/50 FZD DIN 934	3 151 598 905
180	25	Set JA3-SB-8.0x180/50 FZD DIN 934	3 151 898 905
200	25	Set JA3-SB-8.0x200/50 FZD DIN 934	3 152 098 905
Setscrew M10x 70 mm			
80	25	Set JA3-SB-8.0 x80/70 FZD DIN 934	3 150 898 907
100	25	Set JA3-SB-8.0x100/70 FZD DIN 934	3 151 098 907
130	25	Set JA3-SB-8.0x130/70 FZD DIN 934	3 151 398 907
150	25	Set JA3-SB-8.0x150/70 FZD DIN 934	3 151 598 907
180	25	Set JA3-SB-8.0x180/70 FZD DIN 934	3 151 898 907
200	25	Set JA3-SB-8.0x200/70 FZD DIN 934	3 152 098 907

Order information: Also available with screw nuts with locking serrations DIN 6923

Application range

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

Characteristics

- Stainless A2
- With FZD sealing washer

Technical Specifications

Screw diameter	8.0 mm
Drive	Hexagon A/F5

Notice

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

Accessories





Order description		Article number
Weldable flat steel 40x5x110 A2 / hole 10 mm	25	3 110 001 000

Drill hole diameter

Solar Fastening System	Thickness of the substructure [mm]					
	Steel				Timber	
	1.5... < 5.0	5.0... < 7.5	7.5... < 10	≥ 10	≥ 32	≥ 40
JZ3-SB-8.0xL	6.8	7.0	7.2	7.4	-	-
JA3-SB-8.0xL	-	-	-	-	5.5	5.5
JA3-SB-10.0xL	-	-	-	-	-	7.0

EJOT® mat clip PV



Width [mm]	 [mm]		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 range

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

Characteristics

- 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

Benefits

- 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.



Clip in the proper position:
"EJOT" mark on the upper side of the clip for clear recognisability of the proper position



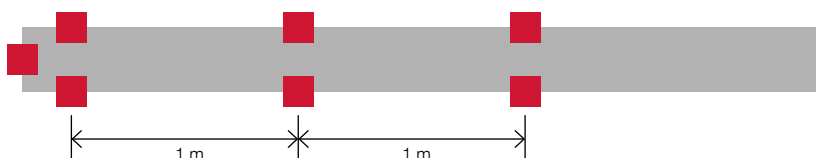
Installation option 1 – Profile on flush protective mat:

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
--> approximately 10 clips/kW

-  Self-drilling screws
-  Facade screws (rear-ventilated facades)
-  Direct assembly
-  Self-tapping screws
-  Orkan storm washers
-  Rivets
- Fasteners for solar/ photovoltaic**
-  Scaffolding anchors
-  Pipe flashings
-  Flat roof fasteners
-  Anchor technology
-  Installation technology
-  Dry wall construction
-  Accessories
-  Machinery Spare parts Tools
- 



Scaffolding anchors

Fixing scaffolds into steel and wood

EJOT® scaffolding anchors

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

Characteristics

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

Benefits

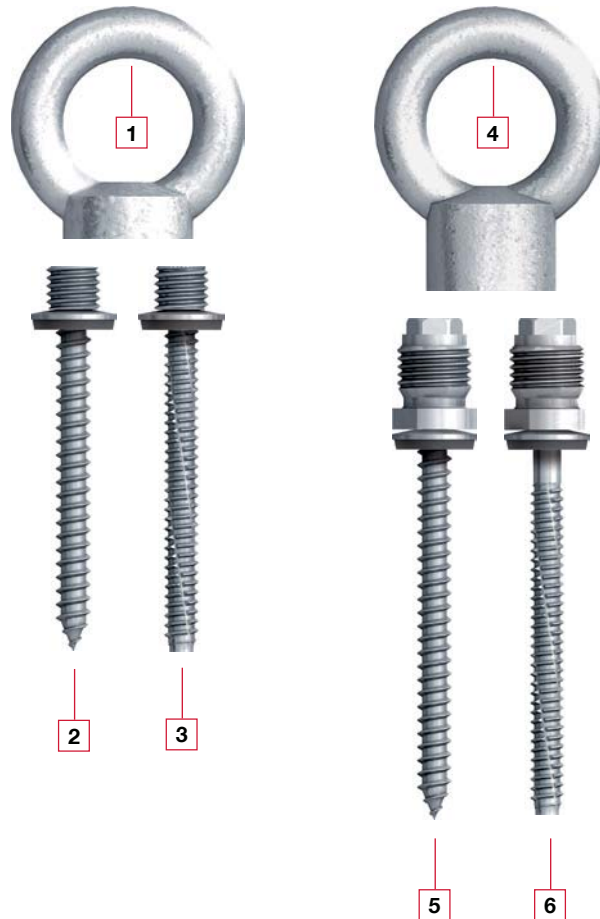
- For use in steel substructure (type JZ 3 ... Ø 6.3 mm)
- For use in timber substructure (type JA 3 ... Ø 6.5 mm)
- Length range GT 25 mm - 64 mm
- Length range GT 15 mm - 210 mm
- Repeat use of GU-threaded sleeve possible

Notice

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_{fl} in mm from S 235 Jxx (St 37)					
	2.0	3.0	4.0	5.0	6.0	≥ 7.0
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

Scaffolding anchors	Installation depth into the timber substructure in mm			
	30	50	60	75
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



Cross references **page**
 Scaffolding anchor JA3-GT-6.5.. 148
 Scaffolding anchor JZ3-GT-6.3.. 149

EJOT® ring bolt M10

	Order description	Article number
50	Ring bolt M10-25 steel	9 430 300 501
50	Ring bolt M10-25 stainless steel	9 430 300 300

Application range

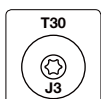
- For JZ3-GT and JA3-GT scaffolding anchors

Characteristics

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

Technical Specifications

Ring diameter	25.0 mm
Female thread	M10



Cross references **page**
 Bit T30-1/4"x25 272
 Bit holder BT-1/4"-1/4"x42 273
 Cordless screwdriver
 ASCS 6.3 257
 Drill HSS 268
 Ring bolt M10 148

EJOT® scaffolding anchor JA3-GT-6.5

Length [mm]		Order description	Article number
32	50	JA3-GT-6.5x32-E16	9 413 311 311
64	50	JA3-GT-6.5x64-E16	9 413 811 311

Application range

- For installation into timber


Characteristics

- Stainless A2

Technical Specifications

Diameter	6.5 mm
Drive	Hexalobular drive T30
Sealing washer	E16
High thread	M10

EJOT® scaffolding anchor JZ3-GT-6.3

Length [mm]		Order description	Article number
25	50	JZ3-GT-6.3x25-E16	9 411 211 311
64	50	JZ3-GT-6.3x64-E16	9 411 811 311

Application range

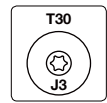
- For installation into steel ≥ 2 mm
- For aluminium substructures ≥ 3 mm

Characteristics

- Stainless A2


Technical Specifications

Diameter	6.3 mm
Drive	Hexalobular drive T30
Sealing washer	E16
High thread	M10



Cross references	page
Bit T30-1/4"x25	272
Bit holder BT-1/4"-1/4"x42	273
Cordless screwdriver	
ASCS 6.3	257
Drill HSS	268
Drill hole chart	112
Ring bolt M10	148

EJOT® GU ring bolt M14

	Order description	Article number
50	GU M14 ring bolt	9 409 400 501

Application range

- For universal scaffolding anchors GU

Characteristics

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

Technical Specifications

Ring diameter	25.0 mm
Female thread	M14x1.5



Cross references	page
GU threaded sleeve	150
Scaffolding anchor JA3-GU-6.5	150
Scaffolding anchor JZ3-GU-6.3	151



Cross references	page
GU ring bolt M14	149
Scaffolding anchor JA3-GU-6.5	150
Scaffolding anchor JZ3-GU-6.3	151

EJOT® GU threaded sleeve

Length [mm]	Order description	Article number
18	50 GU threaded sleeve	9 400 100 300

Characteristics

- Stainless A2

Notice

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.

Technical Specifications

Drive	AF 13
Threaded sleeve	M14x1.5



Cross references	page
Nut socket K-SW3/8"-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257
Drill HSS	268
GU ring bolt M14	149

EJOT® scaffolding anchors JA3-GU-6.5

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

Application range

- For installation into timber


Characteristics

- Stainless A2
- Consisting of GU threaded sleeve and JA3 self-tapping screw

Technical Specifications

Diameter	6.5 mm
Drive	Hexagon AF 3/8"
Sealing washer	E16
High thread	M14x1.5

EJOT® scaffolding anchor JZ3-GU-6.3

Effective length [mm]	Length [mm]		Order description	Article number
15	38	50	JZ3-GU-6.3x15-E16	9 401 111 311
30	50	50	JZ3-GU-6.3x30-E16	9 401 211 311
45	64	50	JZ3-GU-6.3x45-E16	9 401 511 311
70	90	50	JZ3-GU-6.3x70-E16	9 401 911 311
80	100	50	JZ3-GU-6.3x80-E16	9 402 011 311
95	115	50	JZ3-GU-6.3x95-E16	9 402 111 311
105	125	50	JZ3-GU-6.3x105-E16	9 402 211 311
130	150	50	JZ3-GU-6.3x130-E16	9 402 411 311
155	175	50	JZ3-GU-6.3x155-E16	9 402 611 311
180	200	50	JZ3-GU-6.3x180-E16	9 402 811 314
200	230	50	JZ3-GU-6.3x200-E16	9 402 911 314

Application range

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

Characteristics

- Stainless A2
- Consisting of GU threaded sleeve and JZ3 self-tapping screw

Technical Specifications

Diameter	6.3 mm
Drive	Hexagon AF 3/8"
Sealing washer	E16
High thread	M14x1.5



Cross references page

Nut socket K-SW3/8"-1/4"x50	273
Cordless screwdriver	
ASCS 6.3	257
Drill HSS	268
Drill hole chart	112
GU ring bolt M14	149

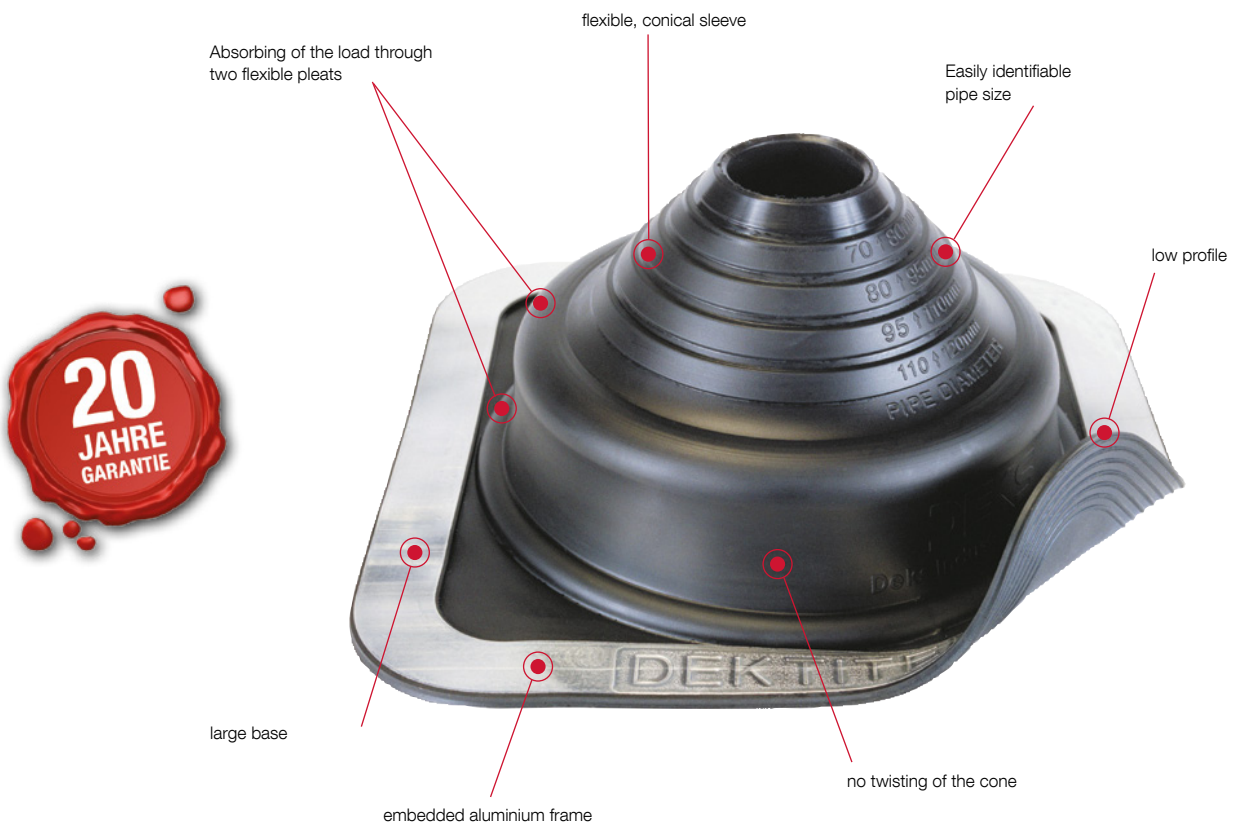


Pipe flashings

Reliable seal for pipes

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 for example occur with rigid pipe feedthroughs, can be prevented with DEKTITE® flashings.



Characteristics

- Standard dimension for pipe diameters of up to 750 mm
- Weather resistant due to building industry approved EPDM
- Unsusceptible to UV-radiation
- Adaptable to all roof profiles

Benefits

- 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 750 mm
- 20-year warranty on material

Notice


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



FS 520679
IN QUALITY ISO 9001



Dektite® Square

For pipe Ø [mm]	Base [mm]	Roof pitch [°]	Cartridge content [ml]	Content screws [pcs.]		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

Benefits

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

Notice

Use bulbrite rivets for corrugated fibre-cement sheets. Profile height max. 45 mm.

Included in delivery

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



1. Adjust Dektite® to the pipe.



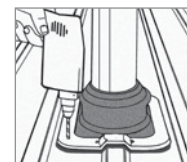
2. Adjust Dektite® to the profiled sheet and mark.



3. Apply sealant.




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



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

Dektite® EZi-Seal

For pipe Ø [mm]	Base [mm]	Roof pitch [°]	Content screws [pcs.]		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

Notice

Use bulbrite rivets for corrugated fibre-cement sheets. Profile height max. 45 mm.

Benefits

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



Included in delivery

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



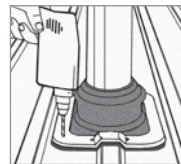
1. Adjust Dektite® to the pipe.



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




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



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

Dektite® Soaker

For pipe Ø [mm]	Base [mm]	Roof pitch [°]	Cartridge content [ml]	Content screws [pcs.]		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

Benefits

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

Notice

Not usable on smooth surfaces. Profile height max. 45 mm.

Included in delivery

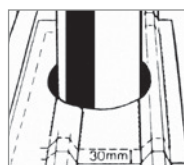
- 1 Pipe flashing
- 1 cartridge of EJOPLAST joint sealant
- 1 EJOT® self-drilling screw set



1. Adjust Dektite® to the pipe.



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



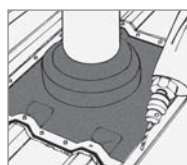
3. Mark the outline of the Dektite® on the roof. Remove Dektite® and mark a 30 mm overlap area.



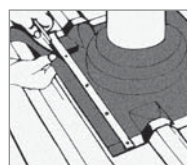
4. Cut out the roof inside of the marked 30 mm area. Trim sharp edges. Timber supports may be installed to support the roof where ribs have been removed.



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




6. Fix first on the sides with the profile ribs, start in the middle. Follow with the remaining sides.



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

Dektite® Combo

For pipe Ø [mm]	Roof pitch [°]	Base [mm]	Cartridge content [ml]	Content screws / clips [pcs.]		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

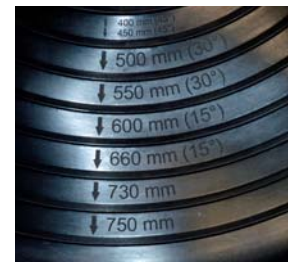
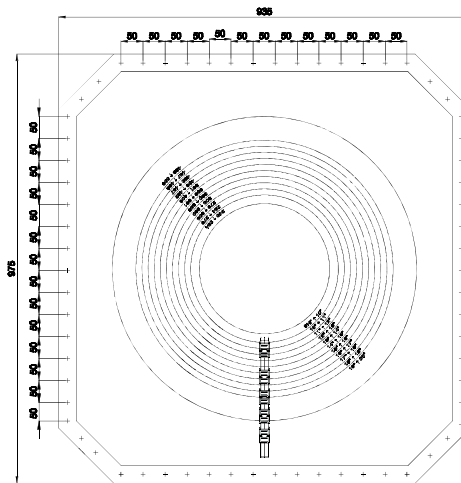
- For waterproofing pipes on corrugated metal or fibre cement roofs
- For subsequent waterproofing of pipes

Benefits

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

Notice

Use bulbrite rivets for corrugated fibre-cement sheets. For retrofitting see processing guidelines for Dektite® Retrofit. Profile height max. 45 mm.



Included in delivery

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



1. Adjust Dektite® to the pipe.



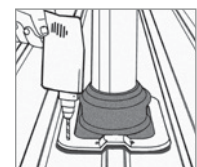
2. Adjust Dektite® to the profiled sheet and mark.



3. Apply sealant.




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



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

Dektite® Retrofit

For pipe Ø [mm]	Base Ø [mm]	Roof pitch [°]	Cartridge content [ml]	Content screws [pcs.]		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 grey	8 260 404 704



Application range

- For subsequent waterproofing of pipes in places difficult to access

Notice

Use bulbrite rivets for corrugated fibre-cement sheets. Profile height max. 45 mm.

Benefits

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

Included in delivery

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



1. Adjust Dektite® to the pipe.



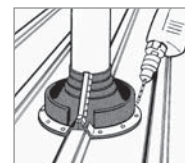
2. Place the Dektite® around the pipe and engage metal teeth in opposing pockets starting at the top.



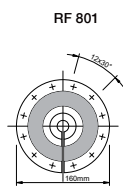
3. Fasten clips with pliers.



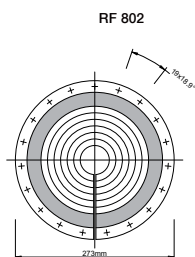
4. Apply sealant and fit Dektite® accurately to the profiled sheet.



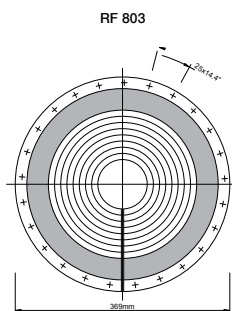
5. Fasten Dektite® with self-drilling screws or bulbrite rivets.



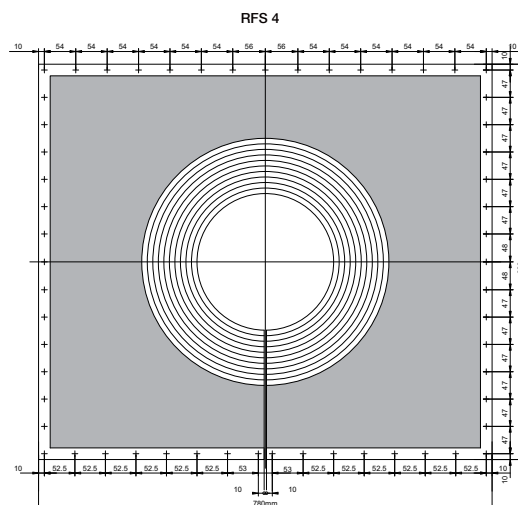
RF 801



RF 802




RF 803



RFS 4

Dektite® Strip Flash

Length [m]	Width [mm]	Cartridge content [ml]	Content screws [pcs.]		Order description	Article number
3.1	235	310	134	1	DS3 235	8 200 006 704
10.0	235	310	410	1	DS10 235	8 200 005 704
15.0	450	310	670	1	DS15 450	8 200 002 704

Further lengths upon request.

Application range

- Sealing of wall joints
- Forming expansion joints

Characteristics

- Edge of sealing strip ≤ 25 % (accordion principle)
- Use up to profile height ≤ 35 mm

Scope of delivery DS3-235

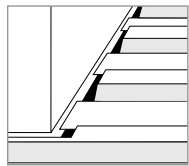
- 2 cartridges joint sealant (neutral curing silicone)

Scope of delivery DS10-235

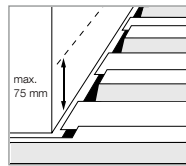
- 5 cartridges joint sealant (neutral curing silicone)
- 1 EJOT® self-drilling screw set

Scope of delivery DS15-450

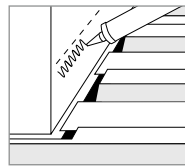
- 10 cartridges joint sealant (neutral curing silicone)
- 1 EJOT® self-drilling screw set



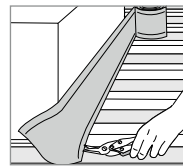
1. Trim 150 mm of the crown to guarantee water flow.



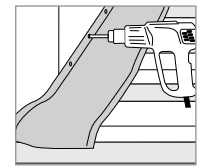
2. Do not mark the sealing line more than 75 mm above the purlin.



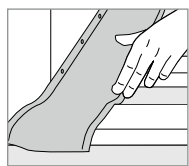
3. Apply sealant below the sealing line.



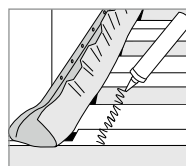
4. Trim every side of the Dektite®. Allow 200 - 300 mm for overlap.



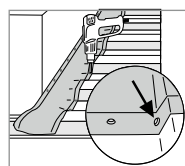
5. Fasten along the upper edge without stretching of the Dektite®.



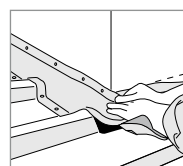
6. Manually adjust Dektite® to the shape of the profiled sheet. Do not use tools!



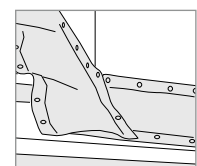
7. Apply sealant.



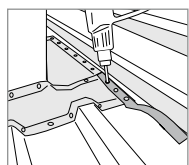
8. Fasten to valley and to profile edges as shown.



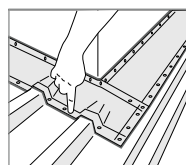
9. Stretch the corners of the overlapping upper part of the Dektite® and push down. Attach the upper corner.



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.

Dektite® KwikFlash



Length [m]	Width [mm]	Hue		Order description	Article number
5.0	200	Black	1	KFR5-200B	8 300 200 700
5.0	300	Black	1	KFR5-300B	8 300 300 700
5.0	450	Black	1	KFR5-450B	8 300 450 700
5.0	600	Black	1	KFR5-600B	8 300 600 700
5.0	200	Grey	1	KFR5-200G	8 300 200 703
5.0	300	Grey	1	KFR5-300G	8 300 300 703
5.0	450	Grey	1	KFR5-450G	8 300 450 703
5.0	600	Grey	1	KFR5-600G	8 300 600 703

Order information: Delivery time upon request Brown and red versions upon request.

Application range


- Self-adhesive, stretchable aluminium mesh, encapsulated into polymer rubber
- Sealing of wall joints
- Will adhere to most substrates including brick, tile, slate glass and most metals



Characteristics

- Lead-free
- Environmentally friendly and UV-resistant
- Can be cut with sheet metal shears, shears or a utility knife
- Protective film should be removed from the butyl backing before application
- The adhesive strength will be most effective when applied at a temperature over 5°C.
- In order to increase the adhesive strength, you can heat the butyl with a hot air gun
- When joining lengths, an overlap of at least 30 mm should be applied

Solar Dektite® Premium 3

For pipe Ø [mm]	Base Ø [mm]	Roof pitch [°]	Cartridge content [ml]	Content screws [pcs.]		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

Characteristics

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

Notice


Use bulbrite rivets for corrugated fibre-cement sheets. Profile height max. 45 mm.



Included in delivery

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

Solar Dektite® Premium 5

For pipe Ø [mm]	Base Ø [mm]	Roof pitch [°]	Cartridge content [ml]	Content screws [pcs.]		Order description	Article number
5 - 55	139 x 139	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

Characteristics

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

Notice


Use bulbrite rivets for corrugated fibre-cement sheets. Profile height max. 45 mm.



Included in delivery

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

Solar Dektite® Premium 12

For pipe Ø [mm]	Base Ø [mm]	Roof pitch [°]	Cartridge content [ml]	Content screws [pcs.]		Order description	Article number
0 - 35	139 x 139	0 - 60	80	8	1	DFE 101 BM	8 250 000 704

Application range

- Ideal for PV
- For up to 12 cables

Characteristics

- Black or grey EPDM

Notice

Use bulbrite rivets for corrugated fibre-cement sheets. Profile height max. 45 mm.



Included in delivery

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



Self-drilling screws

Facade screws (rear-ventilated facades)

Direct assembly

Self-tapping screws

Orkan storm washers

Rivets

Fasteners for solar/photovoltaic

Scaffolding anchors

Pipe flashings

Flat roof fasteners

Anchor technology

Installation technology

Dry wall construction

Accessories

Machinery Spare parts Tools

i

EJOT® hose clamp



For pipe Ø [mm]		Price/1 [EUR]	Order description	Article number	EAN
20 - 32	1	1.80	Hose clamp 20-32	8 200 004 300	4061245013961
40 - 60	1	1.90	Hose clamp 40-60	8 200 006 300	4061245013923
60 - 80	1	2.00	Hose clamp 60-80	8 200 008 300	4061245013909
70 - 90	1	2.10	Hose clamp 70-90	8 200 009 300	4061245013893
90 - 110	1	2.20	Hose clamp 90-110	8 200 011 300	4061245013886
110 - 130	1	2.40	Hose clamp 110-130	8 200 013 300	4061245013879
130 - 150	1	2.50	Hose clamp 130-150	8 200 015 300	4061245013862

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 Deklite® Retrofit and close.

EJOT® universal hose clamp



Width [mm]	Length [cm]		Price/1 [EUR]	Order description	Article number	EAN
7	100	1	9.00	Set (1 tightener + 1 cable tie 100 cm)	8 200 078 300	4061245013824
7	150	1	10.60	Set (1 tightener + 1 cable tie 150 cm)	8 200 079 300	4061245013817
7	200	1	12.10	Set (1 tightener + 1 cable tie 200 cm)	8 200 070 300	4061245013855
-	-	1	5.90	Tightener	8 200 077 300	4061245013831

Width [mm]	Length [cm]		Price/ 100 cm [EUR]	Order description	Article number	EAN
7	5,000	1	3.10	Cable tie (5000 cm)	8 200 076 300	4061245013848

Application range

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


Order note

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

Installing the cable tie

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

EJOPLAST joint sealant

Contents [ml]	Colour		Price/1 [EUR]	Order description	Article number	EAN
310	clear	1	6.60	EJOPLAST 310 ml clear	8 200 001 000	4061245013985

Application range

- For sealing the pipe flashings

Characteristics

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

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.

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

EJOPLAST can be cleaned with standard cleaning agents, but not with solvents.

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).





Fasteners for
Flat Roof



Self-drilling screws

Facade screws (rear-ventilated facades)

Direct assembly

Self-tapping screws

Orkan storm washers

Rivets

Fasteners for solar/photovoltaic

Scaffolding anchors

Pipe flashings

Flat roof fasteners

Anchor technology

Installation technology

Dry wall construction

Accessories

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Dabo® self-drilling roof screws
from page 168



OPTICORE® screws
from page 176



Concrete and aerated concrete screws
from page 178



Metal stress plates
from page 181



Flat roof profile FP
Page 187



Plastic stress plates
from page 188



Flachdachdübel
from page 195



Self-drilling screws

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Anchor technology













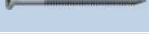

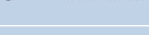



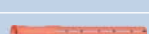

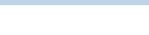
Installation technology








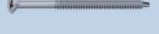
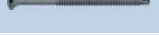







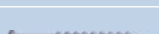

Dry wall construction

Accessories

Machinery Spare parts Tools

**Compatibility**
acc. to ETA-07/0013

		Halteteller aus Metall				
		HTV 82/40	HTE 82/40	HTV 82/40 TK	HTV 82/40 F	HTV 40 RU
						
A/F 8 RT-4.8		X	X		X	
A/F 8 ET-4.8		X	X			
TKR-4.8				X	X	X
TKE-4.8				X	X	X
TKR-4-4.8				X	X	X
TKR-ZT6-5.5					X	X
VHT-R-4.8				X	X	X
VHT-E-4.8				X	X	X
JT2-ST-2-6.0						
JT2-ST-2-6.8						
JT3-ST-2-6.0						
FBS-R-6.3					X	X
JBS-R-7.5						
FPS-E-8.0					X	X
SDF-S-10H-E						
SDP-S-10G-E						

Halteteller aus Kunststoff				Flachdachprofil FP		
HTK 2G 50xL	HTK 2G 75xL	EcoTek 50	HTK-S			
						
				X		A/F 8 RT-4.8
				X		A/F 8 ET-4.8
X	X	X	X	X		TKR-4.8
X	X	X	X	X		TKE-4.8
X	X	X	X	X		TKR-4-4.8
		X		X		TKR-ZT6-5.5
X	X	X	X	X		VHT-R-4.8
X	X	X	X	X		VHT-E-4.8
		X		X		JT2-ST-2-6.0
				X		JT2-ST-2-6.8
		X		X		JT3-ST-2-6.0
		X		X		FBS-R-6.3
		X				JBS-R-7.5
		X		X		FPS-E-8.0
				X		SDF-S-10H-E
				X		SDP-S-10G-E

 Search
 Self-drilling screws
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Flat roof fasteners

Dabo® screws – case-hardened steel, Climadur coated

EJOT Dabo® screw SW 8 RT-4.8



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

Characteristics

- 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 Specifications

Diameter	4.8 mm
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 acc. to ETA-07/0013

	HTV 82/40	HTE 82/40	HTV 82/40 TK	HTV 82/40 F	HTV 40 RU	HTK 2G 50xL	HTK 2G 75xL	EcoTek 50	HTK-S	Flat roof profile FP
A/F 8 RT-4.8	X	X		X						X

EJOT Dabo® screw SW 8 ET-4.8



Length [mm]		Order description	Article number
bulk packed			
140	100	SW8ET-4.8x140	3 439 140 649
160	100	SW8ET-4.8x160	3 439 160 649
180	100	SW8ET-4.8x180	3 439 180 649
200	100	SW8ET-4.8x200	3 439 200 649
220	100	SW8ET-4.8x220	3 439 220 649
240	100	SW8ET-4.8x240	3 439 240 649
260	100	SW8ET-4.8x260	3 439 260 649
belted			
140	750	SW8ET-4.8x140 belted	3 439 140 629
160	750	SW8ET-4.8x160 belted	3 439 160 629
180	750	SW8ET-4.8x180 belted	3 439 180 629
200	750	SW8ET-4.8x200 belted	3 439 200 629
220	750	SW8ET-4.8x220 belted	3 439 220 629
240	750	SW8ET-4.8x240 belted	3 439 240 629
260	750	SW8ET-4.8x260 belted	3 439 260 629

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
- For renovation (cf. current Flat Roof Guide-line)

Characteristics

- A4 stainless steel with hardened drill point
- With high thread to prevent screw head protrusion due to foot traffic

Technical Specifications

Diameter	4.8 mm
Drilling capacity	1.5 mm
Drive	Hexagon A/F8

Length determination (min. lengths)

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



Cross references

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Compatibility acc. to ETA-07/0013

	HTV 82/40	HTE 82/40	HTV 82/40 TK	HTV 82/40 F	HTV 40 RU	HTK 2G 50xL	HTK 2G 75xL	EcoTek 50	HTK-S	Flat roof profile FP
A/F 8 ET-4.8	X	X								X



EJOT Dabo® screw TKR-4.8



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

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Stress plate EcoTek 50	192
Stress plate HTK-S	188
Flat roof profile FP	187
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Installation tool ECOSET HTK... ..	265

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

Characteristics

- 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® stress plates HTK for EJOT® ECOSET HTK installation tool.
- With bugle head

Technical Specifications

Diameter	4.8 mm
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 acc. to ETA-07/0013

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

EJOT Dabo® screw TKE-4.8



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

Application range

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

Characteristics

- A4 stainless steel with hardened drill point
- Can be delivered belted for EJOT® ECOSET installation tool or pre-assembled with EJOT® stress plates HTK for EJOT® ECOSET HTK installation tool.
- With bugle head

Technical Specifications

Diameter	4.8 mm
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



Cross references

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Installation tool ECOSET HTK	265



Compatibility acc. to ETA-07/0013

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

Flat roof fasteners

Dabo® screws – case-hardened steel, Climadur coated

EJOT Dabo® screw VHT-R-4.8



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

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Stress plate HTK 2G 50	189
Stress plate EcoTek 50	192
Stress plate HTK-S	188
Flat roof profile FP	187
Installation tool ECOSET	266
Installation tool ECOSET HTK	265

Application range

- To fix roofing membrane to substructures made of sheet steel $\geq 0.5 \text{ mm} \leq 0.75 \text{ mm}$, timber or wood-based material
- For combination with EJOT® stress plates

Characteristics

- 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® stress plates HTK for EJOT® ECOSET HTK installation tool.
- With bugle head

Notice

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

Technical Specifications

Diameter	4.8 mm
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



Compatibility acc. to ETA-07/0013

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

EJOT Dabo® screw VHT-E-4.8



Length [mm]		Order description	Article number
100	250	VHT-E-4.8x100	3 497 300 610
160	100	VHT-E-4.8x160	3 497 900 610

Application range

- To fix roofing membrane to substructures made of sheet steel ≥ 0.5 mm ≤ 0.75 mm, aluminium sheet 0.8/1.0/1.2 mm, timber or wood-based material
- New buildings and renovations
- For combination with EJOT® stress plates

Characteristics

- A4 stainless steel with hardened steel drill point
- Thread length 100 mm
- Can be delivered belted for EJOT® ECOSET installation tool or pre-assembled with EJOT® stress plates HTK for EJOT® ECOSET HTK installation tool.
- With bugle head

Notice

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

Technical Specifications

Diameter	4.8 mm
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



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Installation tool ECOSET HTK...	265



Compatibility acc. to ETA-07/0013

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

EJOT Dabo® screw TKR-4-4.8



Length [mm]		Order description	Article number
70	500	TKR-4-4.8x70	3 438 070 639
90	500	TKR-4-4.8x90	3 438 090 639
110	250	TKR-4-4.8 x110	3 438 110 639

Application range

- To fix roofing membrane to substructures made of sheet steel $\geq 1.5 \text{ mm} \leq 4.0 \text{ mm}$, timber or wood-based material
- For combination with EJOT® stress plates

Characteristics

- 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® stress plates HTK for EJOT® ECOSET HTK installation tool.
- With bugle head

Technical Specifications

Diameter	4.8 mm
Drilling capacity	4.0 mm
Drive	Cross recess PH 2

Length determination (min. lengths)

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

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Installation tool ECOSET HTK... ..	265



Compatibility acc. to ETA-07/0013

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

EJOT Dabo® screw TKR-ZT6-5.5



Length [mm]		Order description	Article number
35	500	TKR-ZT6-5.5x35	3 495 035 629
70	500	TKR-ZT6-5.5x70	3 495 070 629
90	500	TKR-ZT6-5.5x90	3 495 090 629
110	250	TKR-ZT6-5.5x110	3 495 110 629

Application range

- To fix roofing membrane to substructures made of sheet steel $\geq 3.0 \text{ mm} \leq 6.0 \text{ mm}$, timber or wood-based material
- For combination with EJOT® stress plates

Characteristics

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

Technical Specifications

Diameter	5.5 mm
Drilling capacity	6.0 mm
Drive	Hexalobular drive T30

Length determination (min. lengths)

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



Cross references page

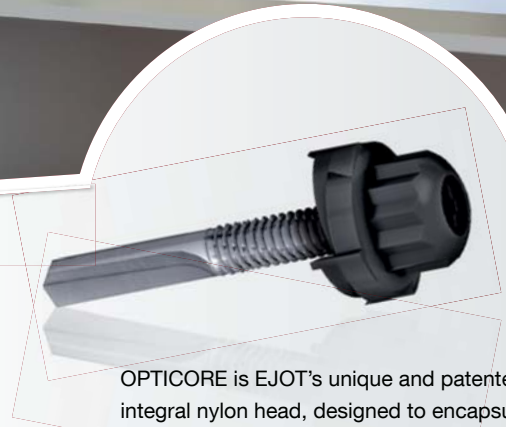
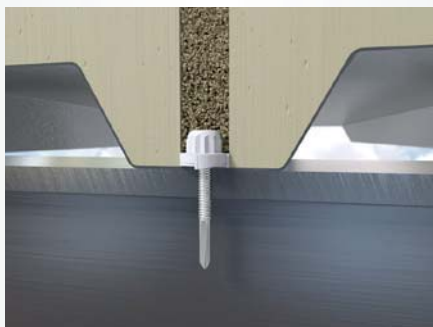
Stress plate HTV 82/40 F.....	184
Stress plate HTV 40 RU.....	185
Stress plate EcoTek 50.....	192
Flat roof profile FP	187

Compatibility acc. to ETA-07/0013

	HTV 82/40	HTE 82/40	HTV 82/40 TK	HTV 82/40 F	HTV 40 RU	HTK 2G 50xL	HTK 2G 75xL	EcoTek 50	HTK-S	Flat roof profile FP
TKR-ZT6-5.5				X	X			X		X

The self-coring one-step fix: **OPTICORE**

OPTICORE – for Membrane faced composite panels



OPTICORE is EJOT's unique and patented integral nylon head, designed to encapsulate fasteners from the high performance self-drilling range. OPTICORE is engineered to provide a dual drive fastening system that enables rapid self-coring of membrane faced insulation panels, and a secure fix into hot and cold rolled steel, and timber.

Key to the OPTICORE's advantage is the coring action created by strategically placed cutting fins. These simply snap free as the fastener 'pulls up' and the nylon to metal relationship means there is no compromise to the integrity of the panel's lining skin. The composition of the OPTICORE head also provides significantly better thermal retention values over metal counterparts.

EJOT[®]

EJOT® OPTICORE

OPTICORE's patented core-drilling head integrates with EJOT's high performance self-drilling fastener range

Dual drive for rapid self-coring and installation into all substrates


The innovative design of the OPTICORE head provides installers with a choice of drive tools. An internal Torx 30 Plus creates a fast and secure installation where stitching or fixing to cold rolled steel. Once driven home the torque bit strips out the nylon teeth within the head creating a perfect fix every time.

An 11mm bi-hex external drive bar provides an improved 'surface over fix' ratio, creating a far more responsive installation into hot rolled steel and timber substrates.

The intergral OPTICORE head design is manufactured in high strength moulded nylon. The 'cutting fins' are unique to the OPTICORE patent, and create the smooth coring of the panel's insulation. On secure 'pull-up' of the fastener into the substrate, the fins simply snap away without any compromise to the integral lining.

OPTICORE Fasteners in Carbon Steel

Corrosion resistance finish with 'EJOT Climadur' organic coating

OPTICORE	Length [mm]	Ø [mm]	
SF 6.3 x 25	25	6.3	100
LS 5.5 x 32	32	5.5	100
HS 5.5 x 38	38	5.5	100
TS 6.3 x 45	45	6.3	100

Order Example: LS 5.5 x 32



OPTICORE Drive Bars

- OPTICORE External Drive bar 11mm Bi-Hex
- OPTICORE Internal Drive Bar Torx 30Plus
- OPTICORE 1/4 "EXT Hex drive bar 11mm ext




Hot box tests and thermal activity recording has repeatedly shown that the composition of the OPTICORE head provides better thermal retention values over metal fastenings.

Designed to encapsulate EJOT® self-drilling fasteners

The OPTICORE head is designed to encapsulate all high performance fasteners from our self-drilling range, creating a fast one-step fix for stitching, light section steel, heavy section steel and plywood.

OPTICORE Fasteners in Stainless Steel

High quality stainless steel, grade 304 St/St, ISO group A2, DIN Werkstoff 1.4301

OPTICORE	Length [mm]	Ø [mm]	
JT3-2-6.3 x 25	25	6.3	100
JT3-3-5.5 x 25	25	5.5	100
JT3-12-5.5 x 40	40	5.5	100
JT3-2-6.5 x 50	50	6.3	100

Order Example: JT3-3-5.5 x 25



EJOT® concrete screw FBS-R-6.3



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

Cross references page

Stress plate HTV 82/40 F..... 184
 Stress plate HTV 40 RU..... 185
 Stress plate EcoTek 50..... 192
 Flat roof profile FP 187
 Bit TORX® T30-M6/x33..... 272
 Bit extension..... 273
 Hammer drill SDS plus 269

Application range

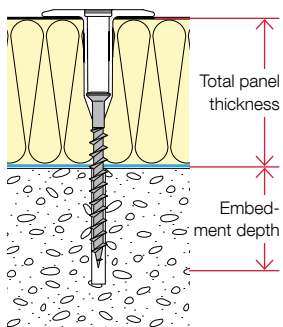
- To fix roofing membranes to concrete sub-structures
- For combination with EJOT® stress plates

Characteristics

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

Technical Specifications

Diameter	6.3 mm
Embedment depth	≥ 30 ≤ 45 mm
Nominal drill diameter	5.0 mm
Drill hole depth	≥ 45 mm
Drive	Hexalobular drive T30



Total panel thickness [mm]

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

Compatibility acc. to ETA-07/0013

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

EJOT® concrete screw FBS-R-7.5



Length [mm]	Order description	Article number
80	JBS-R-7.5x80	2 231 080 609
120	JBS-R-7.5x120	2 231 120 609
150	JBS-R-7.5x150	2 231 150 609
210	JBS-R-7.5x210	2 231 210 609

NEW



Application range

- To fix roofing membranes to concrete sub-structures
- For combination with EJOT® stress plate EcoTek 50

Characteristics

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

Technical Specifications

Diameter	7.5 mm
Embedment depth	≥ 30 mm
Nominal drill diameter	6.0 mm
Drill hole depth	≥ 45 mm
Drive	Hexalobular drive T30

Cross reference

Stress plate EcoTek 50.....	192
Bit TORX® T30-M6/x33.....	272
Bit extension.....	273
Hammer drill SDS-plus.....	269

Compatibility acc. to ETA-07/0013

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

EJOT® aerated concrete screw FPS-E-8.0



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

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Stress plate HTV 82/40 F.....	184
Stress plate HTV 40 RU.....	185
Stress plate EcoTek 50.....	192
Flat roof profile FP.....	187
Bit TORX® T30-M6/x33.....	272
Bit extension.....	273

Application range

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

Notice

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

Characteristics

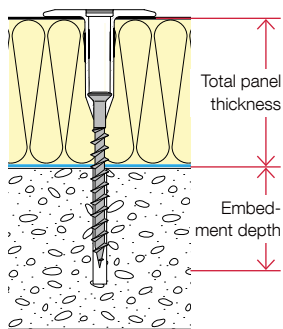
- Stainless steel
- Approved for P3.3/0.5 aerated concrete onwards
- No pre-drilling

Technical Specifications

Diameter	8.0 mm
Embedment depth	≥ 60 mm
Drive	Hexalobular drive T30

Total panel thickness [mm]

FPS-E-8.0 x L [mm]	Stress plate EcoTek-50xL [mm]									
	35	65	85	105	135	165	195	225	275	335
80	40	70	90	110	140	170	200	230	280	340
100	60	90	110	130	160	190	220	250	300	360
120	80	110	130	150	180	210	240	270	320	380
140	100	130	150	170	200	230	260	290	340	400
160	120	150	170	190	220	250	280	310	360	420
180	140	170	190	210	240	270	300	330	380	440
200	160	190	210	230	260	290	320	350	400	460
220	180	210	230	250	280	310	340	370	420	480
240	200	230	250	270	300	330	360	390	440	500
260	220	250	270	290	320	350	380	410	460	520
280	240	270	290	310	340	370	400	430	480	540
300	260	290	310	330	360	390	420	450	500	560



Compatibility acc. to ETA-07/0013

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

EJOT® stress plate HTV 82/40



Width [mm]	Length [mm]		Order description	Article number
40	82	500	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
- New building
- For installation with EJOT® ECOSET tools
- For manual installation

Characteristics

- Alu-zinc coated steel

Notice

For combination with EJOT Dabo® screws



Cross references page

Dabo® SW 8 RT-4.8	168
Dabo® SW 8 ET-4.8	169
Installation tool ECOSET	266



Compatibility acc. to ETA-07/0013

HTV 82/40	A/F 8 RT-4.8	A/F 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	TKR-ZT6-5.5	VHT-R-4.8	VHT-E-4.8	JT2-ST-2-6.0	JT2-ST-2-6.8	JT3-ST-2-6.0	FBS-R-6.3	JBS-R-7.5	FPS-E-8.0	SDF-S-10H-E	SDP-S-10G-E
	X	X														

EJOT® stress plate HTE 82/40



Cross references

	page
Dabo® SW 8 RT-4.8	168
Dabo® SW 8 ET-4.8	169
Installation tool ECOSET	266

Width [mm]	Length [mm]		Order description	Article number
40	82	500	HTE-82/40	3 020 095 300

Application range

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

Characteristics

- Stainless steel

Notice

For combination with EJOT Dabo® screws



Compatibility acc. to ETA-07/0013

HTE 82/40	A/F 8 RT-4.8	A/F 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	TKR-ZT6-5.5	VHT-R-4.8	VHT-E-4.8	JT2-ST-2-6.0	JT2-ST-2-6.8	JT3-ST-2-6.0	FBS-R-6.3	JBS-R-7.5	FPS-E-8.0	SDF-S-10H-E	SDP-S-10G-E
X	X															

EJOT® stress plate HTV 82/40 TK



Width [mm]	Length [mm]		Order description	Article number
40	82	500	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 installation with EJOT® ECOSET tools
- For manual installation

Characteristics

- Alu-zinc coated steel

Notice

For combination with EJOT Dabo® screws



Cross references

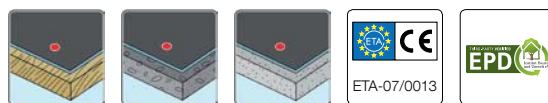
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Dabo® TKR-4.8	170
Dabo® TKE-4.8	171
Dabo® TKR-4-4.8	174
Dabo® VHT-R-4.8	172
Dabo® VHT-E-4.8	173
Installation tool ECOSET	266



Compatibility acc. to ETA-07/0013

	A/F 8 RT-4.8	A/F 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	TKR-ZT6-5.5	VHT-R-4.8	VHT-E-4.8	JT2-ST-2-6.0	JT2-ST-2-6.8	JT3-ST-2-6.0	FBS-R-6.3	JBS-R-7.5	FPS-E-8.0	SDF-S-10H-E	SDP-S-10G-E
HTV 82/40 TK			X	X	X		X	X								

EJOT® stress plate HTV 82/40 F



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

Cross references

	page
Dabo® SW 8 RT-4.8	168
Dabo® TKR-4.8	170
Dabo® TKE-4.8	171
Dabo® TKR-4-4.8	174
Dabo® TKR-ZT6-5.5	175
Dabo® VHT-R-4.8	172
Dabo® VHT-E-4.8	173
Concrete screw FBS-R	178
Aerated concrete screw FPS-E	180

Application range

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

Characteristics

- Alu-zinc coated steel

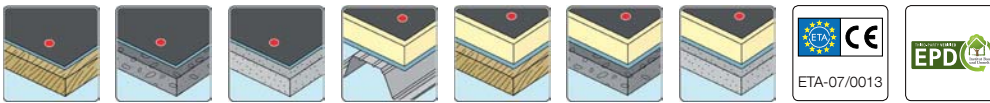
Notice

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

Compatibility acc. to ETA-07/0013

	A/F 8 RT-4.8	A/F 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	TKR-ZT6-5.5	VHT-R-4.8	VHT-E-4.8	JT2-ST-2-6.0	JT2-ST-2-6.8	JT3-ST-2-6.0	FBS-R-6.3	JBS-R-7.5	FPS-E-8.0	SDF-S-10H-E	SDP-S-10G-E
HTV 82/40 F	X		X	X	X	X	X	X				X		X		

EJOT® stress plate HTV 40 RU



∅ [mm]	Order description	Article number
40	HTV-40 RU	3020041401

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

Characteristics

- Alu-zinc coated steel

Notice

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



Cross references

	page
Dabo® TKR-4.8	170
Dabo® TKE-4.8	171
Dabo® TKR-4-4.8	174
Dabo® TKR-ZT6-5.5	175
Dabo® VHT-R-4.8	172
Dabo® VHT-E-4.8	173
Concrete screw FBS-R	178
Aerated concrete screw FPS-E	180

Compatibility acc. to ETA-07/0013

HTV 40 RU	A/F 8 RT-4.8	A/F 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	TKR-ZT6-5.5	VHT-R-4.8	VHT-E-4.8	JT2-ST-2-6.0	JT2-ST-2-6.8	JT3-ST-2-6.0	FBS-R-6.3	JBS-R-7.5	FPS-E-8.0	SDF-S-10H-E	SDP-S-10G-E
			X	X	X	X	X	X				X		X		

EJOT® stress plate HTV RU 40 W



Cross reference

Magnet bracket HTV-RU 277
 Bit cross recess PH2-M6x35 ... 272

Ø washer [mm]	Screw length [mm]		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	300	HTV RU-40/45-W	3 024 540 401

Application range

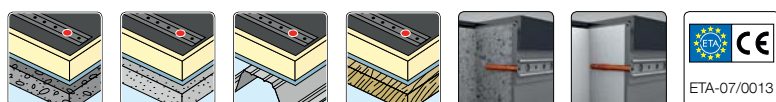
- To fix roofing membrane to substructures made of timber and wood-based materials (without insulation)

Characteristics

- Stress plate: alu-zinc coated steel
- Screw: Case-hardened steel; Climadur coated – high-quality coating to improve corrosion protection (15 Kesternich cycles, DIN 50018, 1997)
- pre-assembled



EJOT® flat roof profile FP



Length [m]	Width [mm]	Height [m]	Order description	Article number
2.25	30	27	Flat roof profile FP	7 999 001 886



Application range

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

Characteristics

- Alu-zinc-coated steel
- Metal rail fastening system
- Easy processing
- Low weight
- 3 different hole diameters combined in one profile
- Total length 2.25 m
- Flexible areas of application

Notice

For combination with EJOT Dabo® screws, concrete and aerated concrete screws and self-drilling screws. For combination with EJOT facade anchors according to ETA-10/0305.

Technical Specifications

Length	2.25 m
Width	30 mm
Height incl. fold edge	7.5 mm
Thickness	1.5 mm
Hole diameter	
for tube washer HTK-S	14.5 mm
for facade anchors	10.5 mm
for screws	7.0 mm

Cross references

	page
Dabo® SW 8 RT-4.8	168
Dabo® SW 8 ET-4.8	169
Dabo® TKR-4.8	170
Dabo® TKE-4.8	171
Dabo® TKR-4-4.8	174
Dabo® TKR-ZT6-5.5	175
Dabo® VHT-R-4.8	172
Dabo® VHT-E-4.8	173
Self-drilling screw JT2-ST-2-6.0	62
Self-drilling screw JT2-ST-2-6.8	63
Self-drilling screw JT3-ST-2-6.0	86
Concrete screw FBS-R	160
Aerated concrete screw FPS-E	180
Facade anchor SDF-S-10H-E	204
Facade anchor SDP-S-10G-E	208



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

Compatibility acc. to ETA-07/0013

	A/F 8 RT-4.8	A/F 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	TKR-ZT6-5.5	VHT-R-4.8	VHT-E-4.8	JT2-ST-2-6.0	JT2-ST-2-6.8	JT3-ST-2-6.0	FBS-R-6.3	JBS-R-7.5	FPS-E-8.0	SDF-S-10H-E	SDP-S-10G-E
Flat roof profile FP	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X

EJOT® tube washer HTK-S



Ø washer [mm]	Effective shaft length L [mm]		Order description	Article number
20	90	150	HTK-S-20x90	8 598 090 010
20	140	150	HTK-S-20x140	8 598 140 010

Application range

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

Characteristics

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

Notice

For combination with EJOT Dabo® screws

Cross references

	page
Dabo® TKR-4.8	170
Dabo® TKE-4.8	171
Dabo® TKR-4-4.8	174
Dabo® VHT-R-4.8	172
Dabo® VHT-E-4.8	173

Compatibility acc. to ETA-07/0013

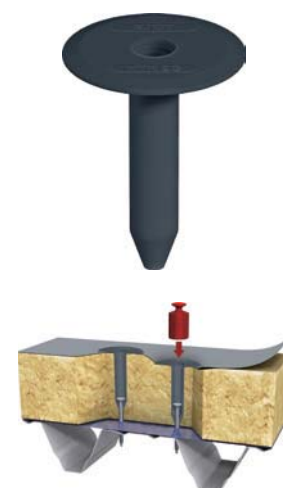
	A/F 8 RT-4.8	A/F 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	TKR-ZT6-5.5	VHT-R-4.8	VHT-E-4.8	JT2-ST-2-6.0	JT2-ST-2-6.8	JT3-ST-2-6.0	FBS-R-6.3	JBS-R-7.5	FPS-E-8.0	SDF-S-10H-E	SDP-S-10G-E
HTK-S			X	X	X		X	X								

EJOT® stress plate HTK 2G 50



Ø washer [mm]	Effective shaft length L [mm]		Order description	Article number
50	15	1,800	HTK-2G-50x15	8 587 015 070
50	35	1,800	HTK-2G-50x35	8 587 035 070
50	55	1,500	HTK-2G-50x55	8 587 055 070
50	95	800	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, VHT-E)



Telescope design for resistance to imposed loads

Cross references	page
Dabo® TKR-4.8	170
Dabo® TKE-4.8	171
Dabo® TKR-4-4.8	174
Dabo® VHT-R-4.8	172
Dabo® VHT-E-4.8	173
Installation tool ECOSET HTK ..	265

Application range

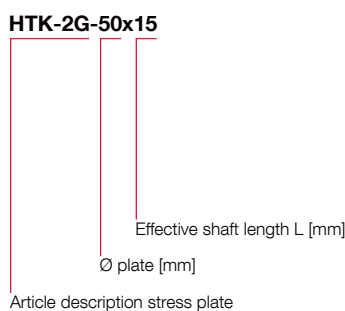
- To secure roofing membrane to substructures made of trapezoidal steel profiles, wood and wood-based material
- New buildings and renovations
- For special requirements of resistance to imposed loads
- To reduce thermal bridges
- For installation with EJOT® ECOSET HTK tools (length 35-145 mm)

Characteristics

- High-grade plastic material
- Telescope design for resistance to imposed loads
- For insulating material thicknesses up to 605 mm
- Available loosely pre-assembled or collated

Notice

For combination with EJOT Dabo® screws



Compatibility acc. to ETA-07/0013

	A/F 8 RT-4.8	A/F 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	TKR-ZTG-5.5	VHT-R-4.8	VHT-E-4.8	JT2-ST-2-6.0	JT2-ST-2-6.8	JT3-ST-2-6.0	FBS-R-6.3	JBS-R-7.5	FPS-E-8.0	SDF-S-10H-E	SDP-S-10G-E
HTK 2G 50xL			X	X	X		X	X								

EJOT® stress plate HTK 2G-M (collated)



Cross references page

Dabo® TKR-4.8	170
Dabo® TKE-4.8	171
Dabo® TKR-4-4.8	174
Dabo® VHT-R-4.8	172
Dabo® VHT-E-4.8	173
Installation tool ECOSET HTK ..	265

Insulation thickness [mm]	Effective shaft length L [mm]	Screw length [mm]		Order description	Article number
with EJOT Dabo® screw TKR, collated					
60	35	50	1000	HTK-2G-M/TKR-60-35/50	3 703 505 021
80	55	50	1000	HTK-2G-M/TKR-80-55/50	3 705 505 021
100	55	70	1000	HTK-2G-M/TKR-100-55/70	3 705 507 021
120	95	50	1000	HTK-2G-M/TKR-120-95/50	3 709 505 021
140	95	70	1000	HTK-2G-M/TKR-140-95/70	3 709 507 021
160	115	70	700	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	3 714 516 021
with EJOT Dabo® screw TKE, collated					
60	35	50	1000	HTK-2G-M/TKE-60-35/50	3 703 505 022
80	55	50	1000	HTK-2G-M/TKE-80-55/50	3 705 505 022
100	55	70	1000	HTK-2G-M/TKE-100-55/70	3 705 507 022
120	95	50	1000	HTK-2G-M/TKE-120-95/50	3 709 505 022
140	95	70	1000	HTK-2G-M/TKE-140-95/70	3 709 507 022
160	115	70	700	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
280	145	160	700	HTK-2G-M/TKE-280-145/160	3 714 516 022

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

Application range

- To fix roofing membrane
- New buildings and renovations
- For installation with EJOT® ECOSET HTK installation tool
- For special requirements of resistance to imposed loads
- To reduce thermal bridges

Characteristics

- Stress plate: high-grade plastic material
- Dabo® screw TKR/VHT-R = case-hardened steel, Climadur* coated
- Dabo® screw TKE/VHT-E = A4 stainless steel
- collated
- Telescope design for resistance to imposed loads
- Combinations for insulation thicknesses up to 605 mm on request

Notice

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

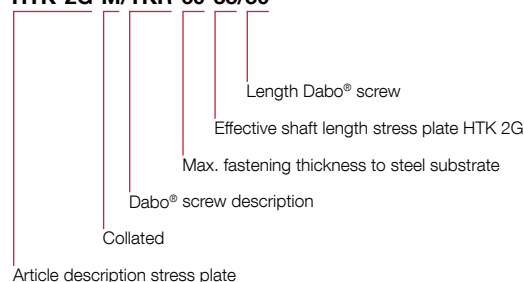
Technical Specifications

Drilling capacity (TKR-4.8/TKE-4.8)	1.50 mm
Drilling capacity (VHT-R/VHT-E)	0.75 mm
Drilling capacity (TKR-4-4.8)	4.00 mm
Collator capacity	25 pc.

*Climadur

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

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



EJOT® stress plate HTK 2G 75



Ø washer [mm]	Effective shaft length L [mm]		Order description	Article number
75	35	250	HTK-2G-75x35	8 575 035 070
75	55	250	HTK-2G-75x55	8 575 055 070
75	95	250	HTK-2G-75x95	8 575 095 070
75	145	150	HTK-2G-75x145	8 575 145 070

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

Application range

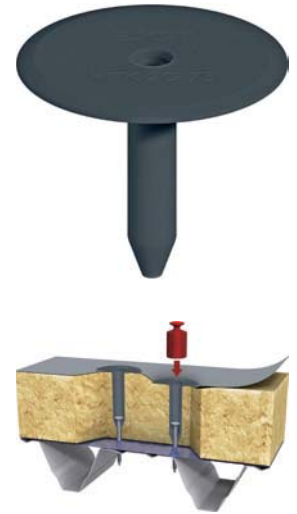
- For the structural fixation of insulations to substructures made of trapezoidal steel profiles, timber and wood-based materials
- For new buildings and renovation (cf. current Flat Roof Guideline)
- For special requirements of resistance to imposed loads
- To reduce thermal bridges

Characteristics

- High-grade plastic material
- Telescope design for resistance to imposed loads
- For insulating material thicknesses up to 425 mm
- Loosely pre-assembled

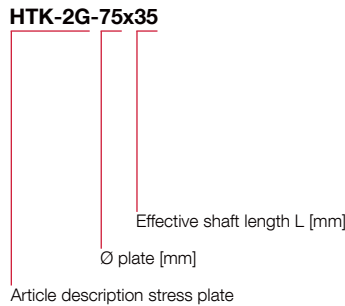
Notice

For combination with EJOT Dabo® screws



Telescope design for resistance to imposed loads

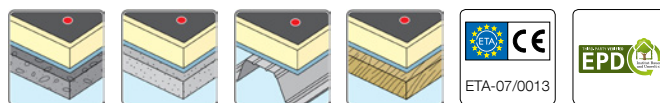
Cross references	page
Dabo® TKR-4.8	170
Dabo® TKE-4.8	171
Dabo® TKR-4-4.8	174
Dabo® VHT-R-4.8	172
Dabo® VHT-E-4.8	173



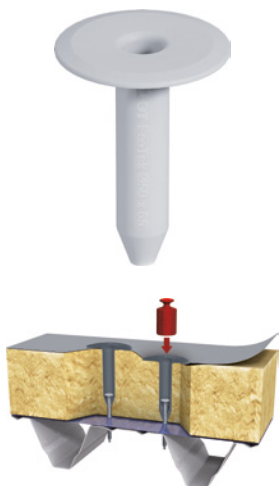
Compatibility acc. to ETA-07/0013

	A/F 8 RT-4.8	A/F 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	TKR-ZTG-5.5	VHT-R-4.8	VHT-E-4.8	JT2-ST-2-6.0	JT2-ST-2-6.8	JT3-ST-2-6.0	FBS-R-6.3	JBS-R-7.5	FPS-E-8.0	SDF-S-10H-E	SDP-S-10G-E
HTK 2G 75xL			X	X	X		X	X								

EJOT® stress plate EcoTek 50



Ø washer [mm]	Effective shaft length L [mm]		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	75	800	EcoTek-50x85	8 595 085 007
50	95	800	EcoTek-50x105	8 595 105 007
50	125	450	EcoTek-50x135	8 595 135 007
50	155	450	EcoTek-50x165	8 595 165 007
50	185	450	EcoTek-50x195	8 595 195 007
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



Telescope design for resistance to imposed loads

Cross references	page
Dabo® TKR-4.8	170
Dabo® TKE-4.8	171
Dabo® TKR-4-4.8	174
Dabo® TKR-ZT6-5.5	175
Dabo® VHT-R-4.8	172
Dabo® VHT-E-4.8	173
Self-drilling screw JT2-ST-2-6.0	72
Self-drilling screw JT3-ST-2-6.0	86
Concrete screw FBS-R	178
Concrete screw JBS-R	179
Aerated concrete screw FPS-E	180

Application range

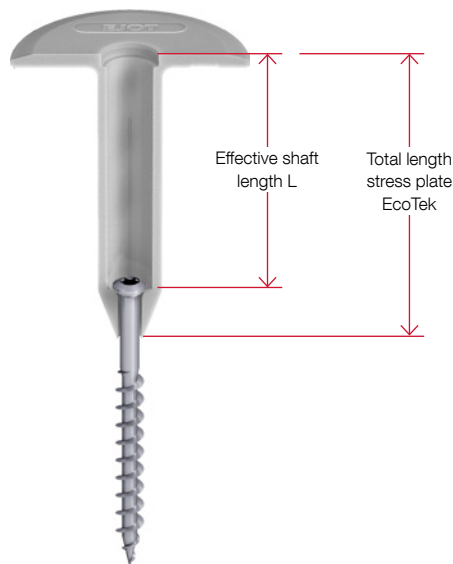
- To fix roofing membrane to substructures made of concrete, aerated concrete, trapezoidal steel profiles, timber and wood-based materials
- For special requirements of resistance to imposed loads
- To reduce thermal bridges

Characteristics

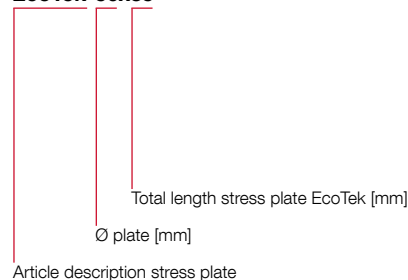
- High-grade plastic material
- Telescope design for resistance to imposed loads
- In combination for insulation material thicknesses up to 590 mm (FBS-R) and up to 605 mm (TKR)
- Telescope design, prevents screw head protrusion due to foot traffic even with soft insulating material

Note

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

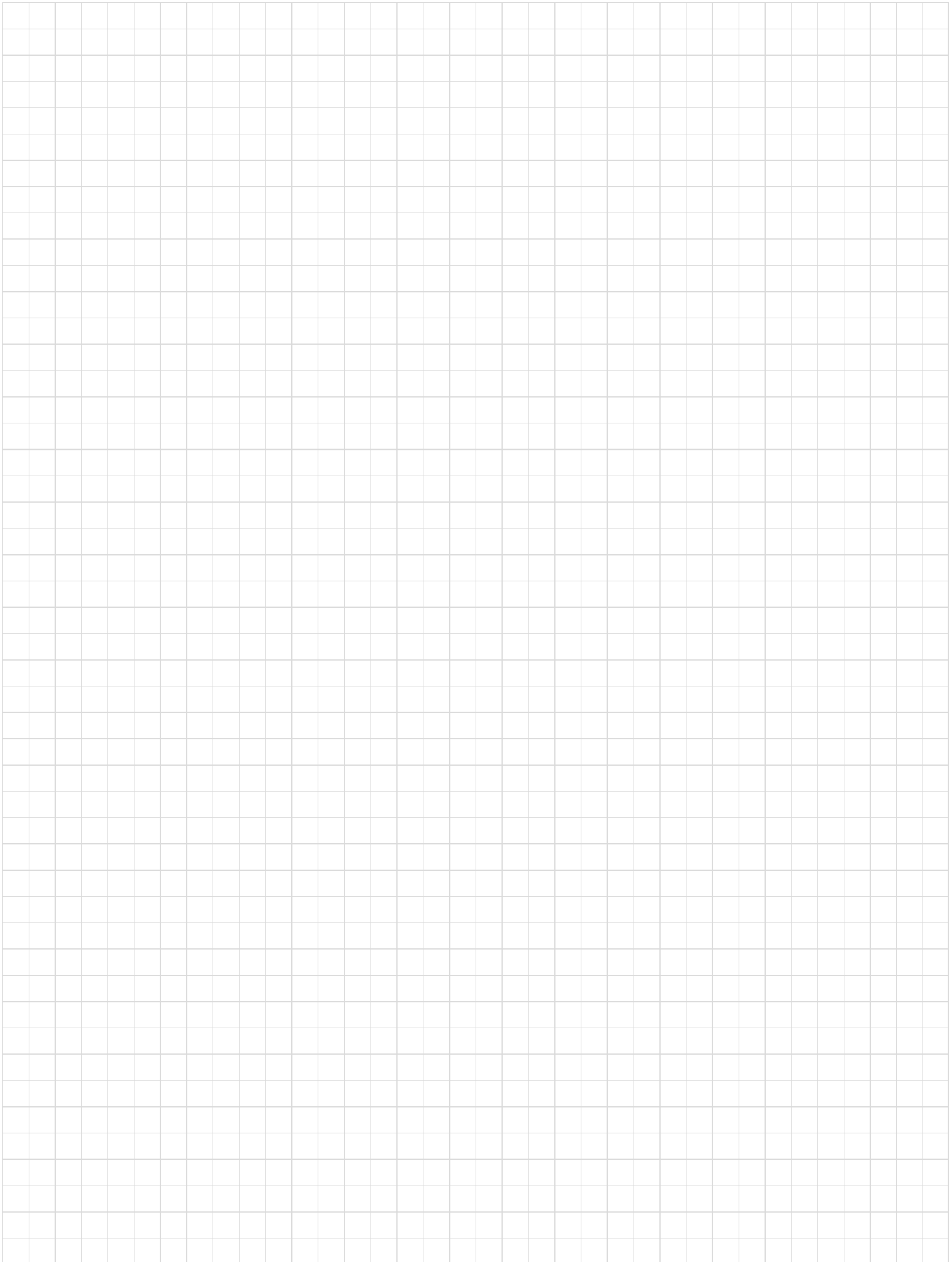


EcoTek-50x35



Compatibility acc. to ETA-07/0013

EcoTek 50	A/F 8 RT-4.8	A/F 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	TKR-ZT6-5.5	VHT-R-4.8	VHT-E-4.8	JT2-ST-2-6.0	JT2-ST-2-6.8	JT3-ST-2-6.0	FBS-R-6.3	JBS-R-7.5	FPS-E-8.0	SDF-S-10H-E	SDP-S-10G-E
			X	X	X	X	X	X	X		X	X	X	X		



Self-drilling screws

Facade screws (rear-ventilated facades)

Direct assembly

Self-tapping screws

Orkan storm washers

Rivets

Fasteners for solar/photovoltaic

Scaffolding anchors

Pipe flashings

Flat roof fasteners

Anchor technology

Installation technology

Dry wall construction

Accessories

Machinery Spare parts Tools

Machinery Spare parts Tools



EJOT® aerated concrete screw FPS-E/EcoTek (pre-assembled)



Insulation thickness [mm]	Effective shaft length L [mm]	Screw length [mm]		Order description	Article number
with EJOT® stress plate EcoTek 50					
60	25	100	100	FPS-E/EcoTek-60-35/100	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
160	155	140	100	FPS-E/EcoTek-160-105/140	2 710 501 430
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
220	215	160	100	FPS-E/EcoTek-220-165/140	2 716 501 430
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
300	265	100	100	FPS-E/EcoTek-300-275/100	2 727 501 030
320	265	120	100	FPS-E/EcoTek-320-275/120	2 727 501 230
340	325	80	100	FPS-E/EcoTek-340-335/80	2 733 500 830
360	325	100	100	FPS-E/EcoTek-360-335/100	2 733 501 030
380	325	120	100	FPS-E/EcoTek-380-335/120	2 733 501 230
400	325	140	100	FPS-E/EcoTek-400-335/140	2 733 501 430

Cross references page
 Bit TORX® T30-M6x33 272
 Bit extension 273

Application range

- To fix roofing membrane to aerated concrete substructures

Characteristics

- Screw: stainless steel
- Stress plate: high-grade plastic material
- Approved for P3.3 aerated concrete on-wards
- No pre-drilling

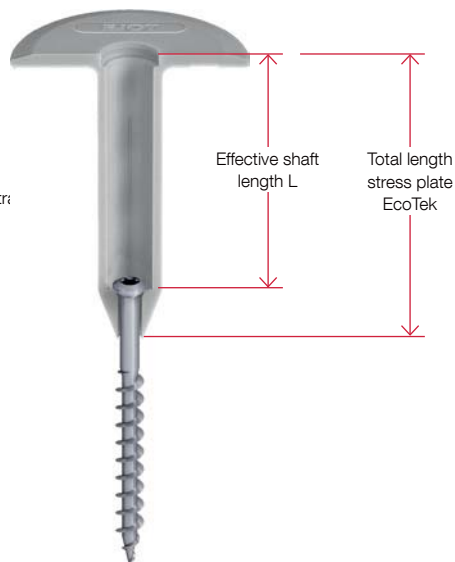
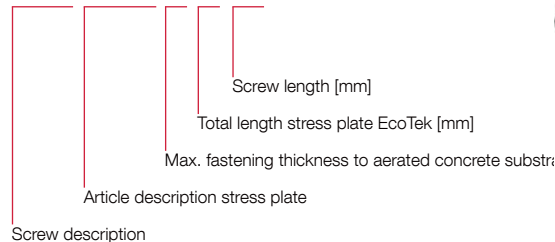
Notice

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

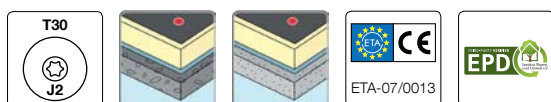
Technical Specifications

Embedment depth	≥ 60 mm
Drive	Hexalobular drive T30

FPS-E/EcoTek-60-25/100



EJOT® flat roofing anchor FDD Plus S



Anchor length [mm]	Substructure ¹⁾ ≤ Total panel thickness [mm]	Substructure ²⁾ ≤ Total panel thickness [mm]		Order description	Article number
Anchors with steel screws finished with high-quality organic Cr(VI) free coating*					
55	25	-	100	FDD-Plus-S-50x055-R	8 721 055 400
75	45	10	100	FDD-Plus-S-50x075-R	8 721 075 400
95	65	30	100	FDD-Plus-S-50x095-R	8 721 095 400
115	85	50	100	FDD-Plus-S-50x115-R	8 721 115 400
135	105	70	100	FDD-Plus-S-50x135-R	8 721 135 400
155	125	90	100	FDD-Plus-S-50x155-R	8 721 155 400
175	145	110	100	FDD-Plus-S-50x175-R	8 721 175 400
195	165	130	100	FDD-Plus-S-50x195-R	8 721 195 400
1) Concrete C12/15; lightweight concrete LC12/13					
2) Aerated concrete P 3.3/0.5					
Order information: Material stainless steel upon request.					



Application range

- To secure multi-layer roofing membrane
- Ideal for slope insulation
- For concrete, lightweight concrete and aerated concrete substructures

Characteristics

- 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
- Slim shaft along the whole length

Notice

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

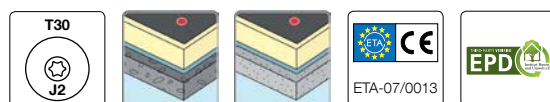
Cross references **page**

Bit TORX® T30-M6x33	272
Bit extension.....	273
Hammer drill SDS-plus	269

Technical Specifications

Plate diameter	50 mm
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 3.3/0.5	≥ 65 mm
Drill hole depth	
Concrete ≥ C12/15	≥ 45 mm
Lightweight concrete ≥ LC12/13	≥ 45 mm
Aerated concrete ≥ P 3.3/0.5	≥ 80 mm

EJOT® flat roofing anchor FDD Plus



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Bit TORX® T30-1/4"/Ex350	272
Bit extension	273
Hammer drill SDS-plus	269

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

1) Concrete C12/15; lightweight concrete LC12/13
 2) Aerated concrete P 3.3/0.5

Application range

- To fix roofing membrane
- Ideal for slope insulation
- For concrete, lightweight concrete and aerated concrete substructures
- To reduce thermal bridges

Characteristics

- 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

Notice

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

Technical Specifications

Plate diameter	50 mm
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 3.3/0.5	≥ 65 mm
Drill hole depth	
Concrete ≥ C12/15	≥ 45 mm
Lightweight concrete ≥ LC12/13	≥ 45 mm
Aerated concrete ≥ P 3.3/0.5	≥ 80 mm

EJOT® flat roofing anchor FDD Plus



Anchor length [mm]	Substructure ¹⁾ ≤ Total panel thickness [mm]	Substructure ²⁾ ≤ Total panel thickness [mm]		Order description	Article number
Anchors with A2 stainless steel screws					
95	65	30	100	FDD-Plus-50x095-E	8 720 095 600
115	85	50	100	FDD-Plus-50x115-E	8 720 115 600
135	105	70	100	FDD-Plus-50x135-E	8 720 135 600
155	125	90	100	FDD-Plus-50x155-E	8 720 155 600
175	145	110	100	FDD-Plus-50x175-E	8 720 175 600
195	165	130	100	FDD-Plus-50x195-E	8 720 195 600
215	185	150	100	FDD-Plus-50x215-E	8 720 215 600
235	205	170	100	FDD-Plus-50x235-E	8 720 235 600
255	225	190	100	FDD-Plus-50x255-E	8 720 255 600
275	245	210	100	FDD-Plus-50x275-E	8 720 275 600
295	265	230	100	FDD-Plus-50x295-E	8 720 295 600
335	305	270	100	FDD-Plus-50x335-E	8 720 335 600
375	345	310	100	FDD-Plus-50x375-E	8 720 375 600
415	385	350	100	FDD-Plus-50x415-E	8 720 415 600
455	425	390	100	FDD-Plus-50x455-E	8 720 455 600
495	465	430	100	FDD-Plus-50x495-E	8 720 495 600
535	505	470	100	FDD-Plus-50x535-E	8 720 535 600

1) Concrete C12/15; lightweight concrete LC12/13
2) Aerated concrete P 3.3/0.5

Application range

- To fix roofing membrane
- Ideal for slope insulation
- For concrete, lightweight concrete and aerated concrete substructures
- For renovation (cf. current Flat Roof Guideline)
- To reduce thermal bridges

Characteristics

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

Notice

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

Technical Specifications	
Plate diameter	50 mm
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 3.3/0.5	≥ 65 mm
Drill hole depth	
Concrete ≥ C12/15	≥ 45 mm
Lightweight concrete ≥ LC12/13	≥ 45 mm
Aerated concrete ≥ P 3.3/0.5	≥ 80 mm



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Anchor technology

Facade anchors and insulation support anchors



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		
	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-15/0387	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	DIN 1045 EN 12	•	•	•	•	
Solid brick Mz EN 77-1-001	DIN EN 772	•	•	•	•	
Vertically perforated brick Hlz EN 771-1-002	DIN 105-1			•	•	
Vertically perforated brick LHz ¹⁾	DIN 105-2			•		
Solid sand-lime brick KS EN 771-2-009	DIN 106	(•)	•	•	•	
Perforated sand-lime 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			•		
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.

EJOT® facade anchor SDF-S-8V



Anchor length L [mm]	Fastening thickness $t_{fix} \leq$ [mm]		Order description	Article number
Anchors with steel screws with zinc-plated Cr(VI)-free coating (-V)				
80	30	100	SDF-S-8Vx80-V	8 569 080 430
100	50	50	SDF-S-8Vx100-V	8 569 100 430
120	70	50	SDF-S-8Vx120-V	8 569 120 430
140	90	50	SDF-S-8Vx140-V	8 569 140 430
160	110	50	SDF-S-8Vx160-V	8 569 160 430
180	130	50	SDF-S-8Vx180-V	8 569 180 430
200	150	50	SDF-S-8Vx200-V*	8 569 200 430
220	170	50	SDF-S-8Vx220-V*	8 569 220 430

* Delivery time upon request

Application range

- The efficient alternative for fixing timber substructures to solid brick masonry and concrete

Characteristics

- Countersunk head
- Small drill-hole diameter
- Product identification through different sleeve colours

Notice

For planning and processing, please observe ETA-15/0387

Instructions for using galvanic zinc-plated facade anchor screws (excerpt from ETA-15/0387)

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 or 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).

Characteristic values

Diameter	8.0 mm
Drive	Hexalobular drive T30
Drill hole depth $\geq h_1$	60 mm
Embedment depth $\geq h_{nom}$	50 mm

Characteristic loads*

Tensile strength $N_{Bk,0}$ in concrete < C16/20	4.50 kN
Tensile strength $N_{Bk,0}$ in concrete \geq C16/20	6.50 kN
Brick Mz 28-1.8, NF	2.50 kN
Solid lime sand brick KS, NF 20-2.0	2.00 kN
Transverse strength $V_{Bk,S}$	
Anchor with steel screw	5.30 kN
Bending moment $M_{Bk,S}$	
Anchor with steel screw	8.20 Nm

*applies to temperature range 30-50 °C / 50-80 °C

Cross references page

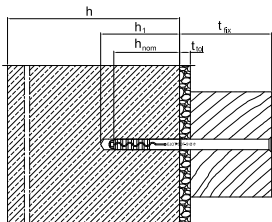
Cleaning brush 279

Blow-out pump 279

Tool belt 277

Corrosion protection spray 280

Hammer drill SDS plus 269



EJOT® facade anchor SDF-KB-8V



Anchor length L [mm]	Fastening thickness $t_{fix} \leq$ [mm]		Order description	Article number
Anchors with steel screws with zinc-plated Cr(VI)-free coating (-V)				
60	10	100	SDF-KB-8Vx60-V	8 570 060 430
80	30	100	SDF-KB-8Vx80-V	8 570 080 430
100	50	50	SDF-KB-8Vx100-V	8 570 100 430
120	70	50	SDF-KB-8Vx120-V	8 570 120 430
140	90	50	SDF-KB-8Vx140-V	8 570 140 430
160	110	50	SDF-KB-8Vx160-V	8 570 160 430
180	130	50	SDF-KB-8Vx180-V	8 570 180 430
200	150	50	SDF-KB-8Vx200-V*	8 570 200 430
220	170	50	SDF-KB-8Vx220-V*	8 570 220 430

* Delivery time upon request

Application range

- For embedment of metal substructures in solid brick masonry and concrete

Characteristics

- Hexagon head with flange
- Small drill-hole diameter
- Thermal and electrical isolation
- Product identification through different sleeve colours

Notice

For planning and processing, please observe ETA-15/0387

Characteristic values

Diameter	8.0 mm
Drive	Hexagon A/F10
Drill hole depth $\geq h_1$	60 mm
Embedment depth $\geq h_{nom}$	50 mm

Characteristic loads*

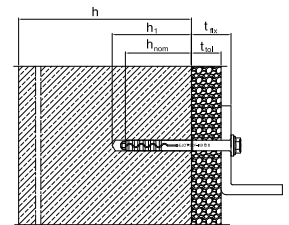
Tensile strength $N_{Rk,0}$ in concrete < C16/20	4.50 kN
Tensile strength $N_{Rk,0}$ in concrete \geq C16/20	6.50 kN
Brick Mz 28-1.8, NF	2.50 kN
Solid lime sand brick KS, NF 20-2.0	2.00 kN
Transverse strength $V_{Rk,S}$	
Anchor with steel screw	5.30 kN
Bending moment $M_{Rk,S}$	
Anchor with steel screw	8.20 Nm

*applies to temperature range 30-50 °C / 50-80 °C



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EJOT® facade anchor SDF-S-10V



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

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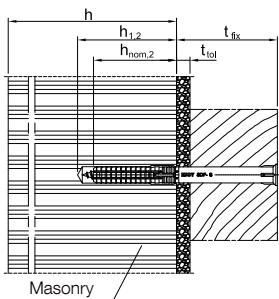
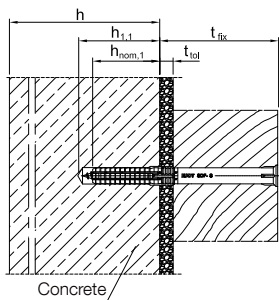
Cleaning brush 279

Blow-out pump 279

Tool belt 277

Corrosion protection spray 280

Hammer drill SDS plus 269



Application range

- Installation of timber or metal attachments
- For non-supporting redundant systems according to ETAG 020
- Suitable for the structural fastening of gates, doors, windows, square timber

Characteristics

- Countersunk head
- Anchor with an embedment depth of 40 mm in concrete
- Two installation depths (embedment in masonry 50 mm)
- Very short expansion part for extremely fast installation
- Optimal expanding part due to radial expansion
- Very high bending moment
- Product identification through different sleeve colours
- Double safety lock against torsion for secure installation

Notice

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

Characteristic values

Diameter	10 mm
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
Through hole diameter of component to be attached d_i	≤ 10.5 mm
Drive	T40

Characteristic loads

Tensile load N_{Rk} 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 sand-lime brick KS 36, NF	4.00 kN
F_{Rk} solid sand-lime 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
Transverse load $V_{Rk,s}$ at $h_{nom,2} = 50$ mm	
Anchor with steel screw	11.09 kN
Bending moment $M_{Rk,s}$ at $h_{nom,1} = 40$ mm	
Anchor with steel screw	13.80 kNm
Side load $M_{Rk,s}$ at $h_{nom,2} = 50$ mm	
Anchor with steel screw	23.01 Nm

EJOT® facade anchor SDF-KB-10V



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

Application range

- Installation of metal attachments
- For non-supporting redundant systems according to ETAG 020
- Suitable for the structural fastening of wall cupboards, cladding, metal angle pieces

Characteristics

- Hexagon head with flange
- Anchor with an embedment depth of 40 mm in concrete
- Two installation depths (embedment in masonry 50 mm)
- Very short expansion part for extremely fast installation
- Optimal expanding part due to radial expansion
- Very high bending moment
- Product identification through different sleeve colours
- Double safety lock against torsion for secure installation

Notice

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

Characteristic values

Diameter	10 mm
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
Through hole diameter of component to be attached d_i	≤ 10.5 mm
Drive	A/F13/T40

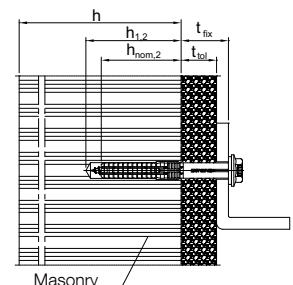
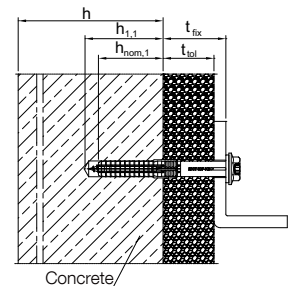
Characteristic loads

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 sand-lime brick KS 36, NF	4.00 kN
F_{Rk} solid sand-lime 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 A4 stainless steel screw	9.12 kN
Transverse load $V_{Rk,s}$ at $h_{nom,2} = 50$ mm	
Anchor with steel screw	11.09 kN
Anchor with A4 stainless steel screw	12.94 kN
Bending moment $M_{Rk,s}$ at $h_{nom,1} = 40$ mm	
Anchor with steel screw	13.80 kNm
Anchor with A4 stainless steel screw	16.09 kNm
Side load $M_{Rk,s}$ at $h_{nom,2} = 50$ mm	
Anchor with steel screw	23.01 Nm
Anchor with A4 stainless steel screw	26.62 Nm



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Now also approved for
aerated concrete

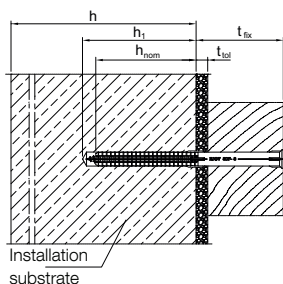
EJOT® Universal anchor SDF-S-10H



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

Cross references

Cleaning brush	279
Blow-out pump	279
Tool belt	277
Corrosion protection spray	280
Hammer drill SDS plus	269
Flat roof profile FP	187



Characteristic values	
Diameter	10 mm
Hole depth in concrete $h_{1,1}$	≥ 80 mm
Effective Embedment depth h_{nom}	≥ 70 mm
Drill hole diameter d_0	10 mm
Through hole diameter of component to be attached 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 sand-lime brick KS 36, NF	4.50 kN
Solid sand-lime brick KS 20, 8 DF	4.50 kN
Solid lightweight concrete brick V6, 2 DF	2.00 kN
Vertically perforated brick HLz 12-0.9, NF	2.00 kN
Perforated sand-lime brick KSL 12, 4 DF	2.50 kN
Cavity block made of lightweight concrete Hbl 10, 12 DF	1.20 kN
Transverse load $V_{Rk,S}$	
Anchor with steel screw	9.35 kN
Anchor with A4 stainless steel screw	10.91 kN
Bending moment $M_{Rk,S}$	
Anchor with steel screw	17.67 Nm
Anchor with A4 stainless steel screw	20.62 Nm
Compressive strength aerated concrete [N/mm ²] 30 - 50 °C	
Aerated concrete 4	1.5 kN
Aerated concrete 5	2.0 kN
Aerated concrete 6	2.5 kN
Aerated concrete 7	2.5 kN
Partial safety factor γ_{MAAC}	2.0

- Application range**
- Installation of timber or metal attachments
 - For non-supporting redundant systems according to ETAG 020
 - Suitable for the structural fastening of gates, doors, windows, square timber
 - For embedment in rain screens

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

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

EJOT® Universal anchor SDF-KB-10H



Now also approved for
aerated concrete

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



Cross references	page
Cleaning brush	279
Blow-out pump	279
Tool belt	277
Corrosion protection spray	280
Hammer drill SDS plus	269

Characteristic values	
Diameter	10 mm
Hole depth in concrete $h_{1,1}$	≥ 80 mm
Effective Embedment depth h_{nom}	≥ 70 mm
Drill hole diameter d_0	10 mm
Through hole diameter of component to be attached d_f	≤ 10.5 mm
Drive	A/F13/T40

Application range

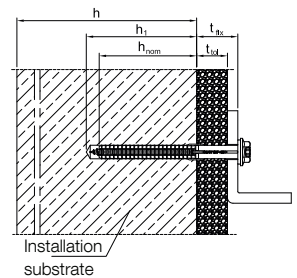
- Installation of metal attachments
- For non-supporting redundant systems according to ETAG 020
- Suitable for the structural fastening of wall cupboards, cladding, metal angle pieces
- For embedment in rain screens

Characteristics

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

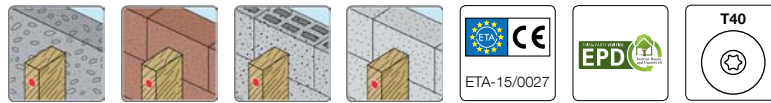
Characteristic loads

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 sand-lime brick KS 36, NF	4.50 kN
Solid sand-lime brick KS 20, 8 DF	4.50 kN
Solid lightweight concrete brick V6, 2 DF	2.00 kN
Vertically perforated brick HLz 12-0.9, NF	2.00 kN
Perforated sand-lime brick KSL 12, 4 DF	2.50 kN
Cavity block made of lightweight concrete Hbl 10, 12 DF	1.20 kN
Transverse load $V_{Rk,S}$	
Anchor with steel screw	9.35 kN
Anchor with A4 stainless steel screw	10.91 kN
Bending moment $M_{Rk,S}$	
Anchor with steel screw	17.67 Nm
Anchor with A4 stainless steel screw	20.62 Nm
Compressive strength aerated concrete [N/mm ²] 30 - 50 °C	
Aerated concrete 4	1.5 kN
Aerated concrete 5	2.0 kN
Aerated concrete 6	2.5 kN
Aerated concrete 7	2.5 kN
Partial safety factor γ_{MAAC}	2.0



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

EJOT® facade anchor SDF-S-14A



Anchor length L [mm]	Fastening thickness $t_{fix} \leq$ [mm]		Order description	Article number
Anchors with steel screws with zinc-plated Cr(VI)-free coating (-V)				
120	50	50	SDF-S-14Ax120-V	8 591 120 430
140	70	50	SDF-S-14Ax140-V	8 591 140 430
160	90	50	SDF-S-14Ax160-V	8 591 160 430
180	110	50	SDF-S-14Ax180-V	8 591 180 430
200	130	50	SDF-S-14Ax200-V	8 591 200 430
220	150	50	SDF-S-14Ax220-V	8 591 220 430
240	170	25	SDF-S-14Ax240-V	8 591 240 430
260	190	25	SDF-S-14Ax260-V	8 591 260 430
280	210	25	SDF-S-14Ax280-V	8 591 280 430
300	230	25	SDF-S-14Ax300-V	8 591 300 430
320	250	25	SDF-S-14Ax320-V	8 591 320 430
340	270	25	SDF-S-14Ax340-V	8 591 340 430
360	290	25	SDF-S-14Ax360-V	8 591 360 430

Cross references **page**

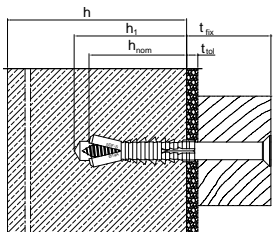
Cleaning brush 279

Blow-out pump 279

Tool belt 277

Corrosion protection spray 280

Hammer drill SDS plus 269



Application range

- Installation of timber or metal attachments
- For non-supporting redundant systems according to ETAG 020
- Suitable for the structural fastening of gates, doors, windows, square timber

Characteristics

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

Notice

For planning, please observe approval ETA-15/0027.

Characteristic values

Diameter	14 mm
Drive	Hexalobular drive T40
Drill hole depth $\geq t$	80 mm
Embedment depth $\geq h_v$	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 sand-lime 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 $f_b \geq 2 \text{ N/mm}^2$	1.20 kN
Aerated concrete $f_b \geq 4 \text{ N/mm}^2$	2.50 kN
Aerated concrete $f_b \geq 6 \text{ N/mm}^2$	3.50 kN
Transverse load $V_{Rk,s}$	
Anchor with steel screw	21.7 kN
Anchor with A4 stainless steel screw	25.3 kN
Bending moment $M_{Rk,s}$	
Anchor with steel screw	62.5 Nm
Anchor with A4 stainless steel screw	72.9 Nm

*applies to temperature range 30-50 °C / 50-80 °C

EJOT® facade anchor SDF-KB-14A



Anchor length L [mm]	Fastening thickness $t_{fix} \leq$ [mm]		Order description	Article number
Anchors with steel screws with zinc-plated Cr(VI)-free coating (-V)				
80	10	50	SDF-KB-14Ax80-V	8 590 080 430
100	30	50	SDF-KB-14Ax100-V	8 590 100 430

Application range

- Installation of metal attachments
- For non-supporting redundant systems according to ETAG 020
- Suitable for the structural fastening of wall cupboards, cladding, metal angle pieces

Characteristics

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

Notice

For planning, please observe approval ETA-15/0027.

Characteristic values

Diameter	14 mm
Drive	Hexagon A/F17
Drill hole depth $\geq t$	80 mm
Embedment depth $\geq h_v$	70 mm

Characteristic loads*

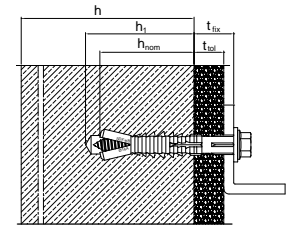
Tensile load $N_{Rk,d}$ in concrete > C12/15	8.50 kN
Brick Mz 20-1.8, NF	5.50 kN
Solid lime sand brick KS 20-2.0	6.00 kN
Solid lime sand brick KS 20-1.8	7.00 kN
Solid brick V, 3 DF	3.00 kN
Vertically perforated brick HLZ, 2 DF 28-1.2	2.00 kN
Perforated sand-lime brick KSL, 8 DF 16-1.4	2.50 kN
Cavity block tile made of lightweight concrete Hbl, 12 DF	2.00 kN
Aerated concrete $f_b \geq 2 \text{ N/mm}^2$	1.20 kN
Aerated concrete $f_b \geq 4 \text{ N/mm}^2$	2.50 kN
Aerated concrete $f_b \geq 6 \text{ N/mm}^2$	3.50 kN
Transverse load $V_{Rk,S}$	
Anchor with steel screw	21.7 kN
Anchor with A4 stainless steel screw	25.3 kN
Bending moment $M_{Rk,S}$	
Anchor with steel screw	62.5 Nm
Anchor with A4 stainless steel screw	72.9 Nm

*applies to temperature range 30-50 °C / 50-80 °C



Cross references

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Corrosion protection spray	280
Hammer drill SDS plus	269



EJOT® facade anchor SDP-S-10G



Anchor length L [mm]	Fastening thickness $t_{fix} \leq$ [mm]		Order description	Article number
Anchors with steel screws with zinc-plated Cr(VI)-free coating (-V)				
80	10	100	SDP-S-10Gx80-V	8 530 080 420
100	30	50	SDP-S-10Gx100-V	8 530 100 420
120	50	50	SDP-S-10Gx120-V	8 530 120 420
140	70	50	SDP-S-10Gx140-V	8 530 140 420
160	90	50	SDP-S-10Gx160-V	8 530 160 420
180	110	50	SDP-S-10Gx180-V	8 530 180 420
200	130	50	SDP-S-10Gx200-V	8 530 200 420
220	150	50	SDP-S-10Gx220-V	8 530 220 420
Anchor with A4 stainless steel screw (-E)				
80	10	100	SDP-S-10Gx80-E	8 530 080 620
100	30	50	SDP-S-10Gx100-E	8 530 100 620
120	50	50	SDP-S-10Gx120-E	8 530 120 620
140	70	50	SDP-S-10Gx140-E	8 530 140 620
160	90	50	SDP-S-10Gx160-E	8 530 160 620
180	110	50	SDP-S-10Gx180-E	8 530 180 620
200	130	50	SDP-S-10Gx200-E	8 530 200 620
220	150	50	SDP-S-10Gx220-E	8 530 220 620

Cross references page

Cleaning brush 279

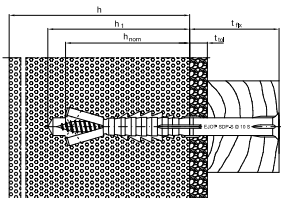
Blow-out pump 279

Tool belt 277

Corrosion protection spray 280

Hammer drill SDS plus 269

Flat roof profile FP 187



Application range

- Fixing wood components in aerated concrete

Characteristics

- Countersunk head
- Facade anchor with two-stage screw
- Reliable form-fit in the substrate thanks to combined expansion zones
- High load capacity
- Available with steel screws or stainless steel screws
- Product identification through different sleeve colours

Notice

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

Characteristic values

Diameter	10 mm
Drive	Hexalobular drive 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
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



Anchor length L [mm]	Fastening thickness $t_{fix} \leq$ [mm]		Order description	Article number
Anchors with steel screws with zinc-plated Cr(VI)-free coating (-V)				
80	10	100	SDP-KB-10Gx80-V	8 532 080 420
100	30	50	SDP-KB-10Gx100-V	8 532 100 420
120	50	50	SDP-KB-10Gx120-V	8 532 120 420
140	70	50	SDP-KB-10Gx140-V	8 532 140 420
160	90	50	SDP-KB-10Gx160-V	8 532 160 420
180	110	50	SDP-KB-10Gx180-V	8 532 180 420
200	130	50	SDP-KB-10Gx200-V	8 532 200 420
220	150	50	SDP-KB-10Gx220-V	8 532 220 420
Anchor with A4 stainless steel screw (-E)				
80	10	100	SDP-KB-10Gx80-E	8 532 080 620
100	30	50	SDP-KB-10Gx100-E	8 532 100 620
120	50	50	SDP-KB-10Gx120-E	8 532 120 620
140	70	50	SDP-KB-10Gx140-E	8 532 140 620
160	90	50	SDP-KB-10Gx160-E	8 532 160 620
180	110	50	SDP-KB-10Gx180-E	8 532 180 620
200	130	50	SDP-KB-10Gx200-E	8 532 200 620
220	150	50	SDP-KB-10Gx220-E	8 532 220 620



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Hammer drill SDS plus	269

Application range

- For embedment of metal components in aerated concrete

Characteristics

- Hexagon head with flange
- Facade anchor with two-stage screw
- Reliable form-fit in the substrate thanks to combined expansion zones
- High load capacity
- Available with steel screws or stainless steel screws
- Product identification through different sleeve colours

Notice

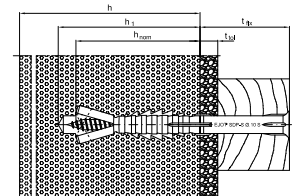
For planning and processing, please observe approval ETA-12/0502.

Characteristic values

Diameter	10 mm
Drive	A/F13/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
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 SDF-KB-10V/M8



Anchor length L [mm]	Thickness of the non-load carrying render layer t_{tot} (Concrete / Masonry) [mm]		Order description	Article number
Anchor with stainless steel A4 screw (-E)*				
60	0-20 / 0-10	100	SDF-KB-10Vx60/M8x13-E	8 581 060 813

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

Application range

- Suitable for installation of support profiles with steel rods in rainscreen
- Embedment of suspended ceilings
- Fastening of ring bolts

Characteristics

- With M8 threaded connection
- Anchor with minimal embedment depth in concrete
- Very short expansion part for extremely fast installation
- Optimal expanding part due to radial expansion
- Very high bending moment
- Product identification through different sleeve colours
- Double safety lock against torsion for secure installation

Notice

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

Characteristic values

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

Characteristic loads

Tensile load $N_{Rk,0}$ 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 sand-lime brick KS 36, NF	4.00 kN
F_{Rk} solid sand-lime 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 A4 stainless steel screw	9.12 kN
Transverse load $V_{Rk,s}$ at $h_{nom,2} = 50$ mm	
Anchor with A4 stainless steel screw	12.94 kN
Bending moment $M_{Rk,s}$ at $h_{nom,1} = 40$ mm	
Anchor with A4 stainless steel screw	16.09 kN
Side load $M_{Rk,s}$ at $h_{nom,2} = 50$ mm	
Anchor with A4 stainless steel screw	26.62 Nm

Cross references page

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Corrosion protection spray	280
Socket A/F13-1/4"x50	273
Hammer drill SDS plus	269

EJOT® Universal anchor SDF-KB-10H/M8



Now also approved for
**aerated
concrete**

Anchor length L [mm]	Thickness of the non-load carrying render layer t_{tol} [mm]		Order description	Article number
Anchor with A4 stainless steel screws (-E)*				
80	0-10**	100	SDF-KB-10Hx80/M8x13-E	8 513 080 813
100	0-30**	50	SDF-KB-10Hx100/M8x13-E	8 513 100 813

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

Application range

- Suitable for installation of support profiles with steel rods in rainscreen
- Embedment of suspended ceilings
- Fastening of ring bolts

Characteristics

- With M8 threaded connection
- Approved for all common building materials
- Reliable hold in problematic building material thanks to optimised expansion part
- Radial expansion for reliable hold
- Product identification through different sleeve colours
- Double safety lock against torsion for secure installation

Notice

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

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

Characteristic values

Diameter	10 mm
Drill hole depth	≥ 90 mm
Effective Embedment depth h_{nom}	≥ 70 mm
Drill hole diameter d_0	10 mm
Through hole diameter of component to be attached d_1	≤ 10.5 mm
Drive	AF 13
Length M8 threaded connection	13 mm

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 sand-lime brick KS 36, NF	4.50 kN
Solid sand-lime brick KS 20, 8 DF	4.50 kN
Solid lightweight concrete brick V6, 2 DF	2.00 kN
Vertically perforated brick HLz 12-0.9, NF	2.00 kN
Perforated sand-lime brick KSL 12, 4 DF	2.50 kN
Cavity block made of lightweight concrete Hbl 10, 12 DF	
	1.20 kN
Transverse load $V_{Rk,S}$	
Anchor with A4 stainless steel screw	10.91 kN
Bending moment $M_{Rk,S}$	
Anchor with A4 stainless steel screw	20.62 Nm
Compressive strength aerated concrete [N/mm ²] 30 - 50 °C	
Aerated concrete 4	1.5 kN
Aerated concrete 5	2.0 kN
Aerated concrete 6	2.5 kN
Aerated concrete 7	2.5 kN
Partial safety factor γ_{MAAC}	2.0



Cross references

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Tool belt	277
Corrosion protection spray	280
Socket A/F13-1/4"x50	273
Hammer drill SDS plus	269

EJOT® facade anchor SDP-KB-10G/M8



Anchor length L [mm]	Thickness of the non-load carrying render layer t_{tol} [mm]		Order description	Article number
Anchor with A4 stainless steel screws (-E)*				
80	0-10	100	SDP-KB-10Gx80/M8x13-E	8 532 080 813
100	10-30	50	SDP-KB-10Gx100/M8x13-E	8 532 100 813

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

Application range

- Suitable for installation of support profiles with steel rods in rainscreen
- Embedment of suspended ceilings
- Fastening of ring bolts

Characteristics

- With M8 threaded connection
- Facade anchor with two-stage screw
- Reliable form-fit in the substrate thanks to combined expansion zones
- High load capacity
- Product identification through different sleeve colours

Notice

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

Characteristic values

Diameter	10 mm
Drive	AF 13
Length M8 threaded connection	13 mm
Drill hole depth $\geq t$	+90 mm
Embedment depth $\geq h_v$	70 mm

Characteristic values

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

Cross references **page**

Cleaning brush 279

Blow-out pump 279

Tool belt 277

Corrosion protection spray 280

Socket A/F13-1/4"x50 273

Hammer drill SDS plus 269

EJOT® cavity wall repair anchor VSD



Length l_d [mm]	Distance a_z [mm]		Order description	Article number
Anchor with A4 stainless steel screw (-E)				
205	0 - 20	100	VSD-8Ux205-E	8 765 205 600
225	20 - 40	100	VSD-8Ux225-E	8 765 225 600
245	40 - 60	100	VSD-8Ux245-E	8 765 245 600
265	60 - 80	100	VSD-8Ux265-E	8 765 265 600
285	80 - 100	100	VSD-8Ux285-E	8 765 285 600
305	100 - 120	100	VSD-8Ux305-E	8 765 305 600

Application range

- For fast and adhesive-free subsequent installation of curtain walls.
- For load-bearing shells made of concrete, solid brick and perforated brick

Characteristics

- Approved anchor for fixing curtain walls
- Double expansion wall anchor: simultaneous embedment in load-bearing wall and outer sheet
- 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

Notice

The EJOT® VSD double expansion wall anchor enables the subsequent renovation of double-leaf masonry.

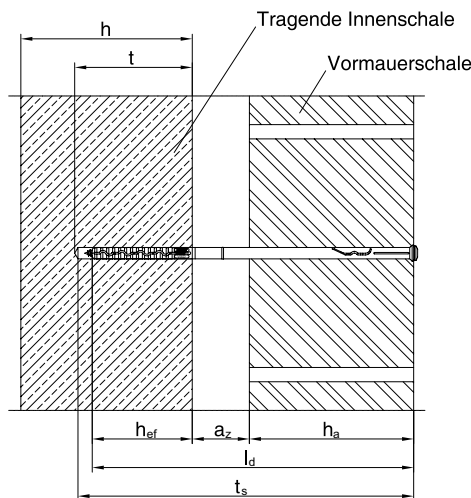
Advanced corrosion or a complete lack of wire anchors can lead to decreased stability of the outer sheet and possibly cause considerable physical injury.

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 sheet.

Technical Specifications

Diameter	8 mm
Embedment depth h_{ef}	≥ 70 mm
Drill hole depth t_s	$\geq l_d + 10$ mm
Nominal drill diameter	8 mm
Minimum thickness of the outer sheet	115 mm
Drive	Hexalobular drive T25



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Tool belt	277
Hammer drill SDS plus	269



Cross references page
 Hammer drill SDS plus 269

Nail anchor ND-K

d_0 [mm]	L [mm]	t_{fix} [mm]	h_{nom} [mm]	h_1 [mm]		Order description	Article number
Anchors with zinc-plated steel screws							
5	30	0-5	30	40	200	ND-K 5/30 V	9650075678
5	40	10	30	40	200	ND-K 5/40 V	9650075680
5	50	20	30	40	200	ND-K 5/50 V	9650075681
6	40	10	30	40	200	ND-K 6/40 V	9650075679
6	60	30	30	40	200	ND-K 6/60 V	9650075682
6	80	50	30	40	100	ND-K 6/80 V	9650075683
8	60	20	40	50	100	ND-K 8/60 V	9650075684
8	80	40	40	50	100	ND-K 8/80 V	9650075685
8	100	60	40	50	100	ND-K 8/100 V	9650075686
Anchors with stainless steel screws							
5	30	0-5	30	40	200	ND-K 5/30 E	9650075691
6	40	10	30	40	200	ND-K 6/40 E	9650075692
6	80	50	30	40	100	ND-K 6/80 E	9650075693
8	80	40	40	50	100	ND-K 8/80 E	9650075694

Application range

Time-saving simple fast-anchor for light fastenings:

- Substructures
- Cabinets
- Skirting boards
- Laths
- Cable racks
- Cable clips
- Pipe supports

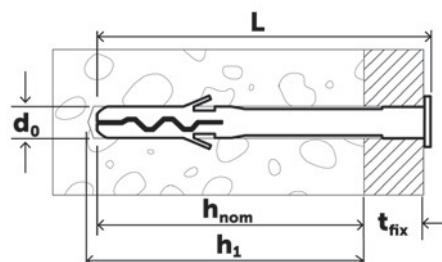
Embedment substrates

Suitable for

- Non-cracked concrete
- Bricks
- Natural stone
- Vertically perforated clay bricks

Characteristics

- Pre-assembled with nail screw and ready-to-assemble nylon plugs for drop-in
- Nail screw head with Pozidriv recess for removal or adjustment of the anchor
- The plug collars serve as plastic insulating washers and thus prevent galvanic corrosion
- Suitable conditions concerning the material quality of the nail screws: GVZ for dry indoor areas



EJOT® insulation support anchor DH (individual components)



Order description	Article number
Washer only	
300 Washer DH	8 550 090 999

Insulation thickness ≤ [mm]	Order description	Article number
Shaft only		
60	300 Shaft DH 60	8 550 060 999
80	300 Shaft DH 80	8 550 080 999
100	300 Shaft DH 100	8 550 100 999
120	300 Shaft DH 120	8 550 120 999
140	300 Shaft DH 140	8 550 140 999
160	300 Shaft DH 160	8 550 160 999
180	300 Shaft DH 180	8 550 180 999
200	300 Shaft DH 200	8 550 200 999
220	300 Shaft DH 220	8 550 220 999
240	300 Shaft DH 240	8 550 240 999
260	300 Shaft DH 260	8 550 260 999
280	300 Shaft DH 280	8 550 280 999
300	300 Shaft DH 300	8 550 300 999



Cross references	page
Installation point	217
Tool belt	277
Hammer drill SDS plus	269

Application range

- For fixing insulating material in the rear ventilated facade (VHF) to all substrates.

Benefits

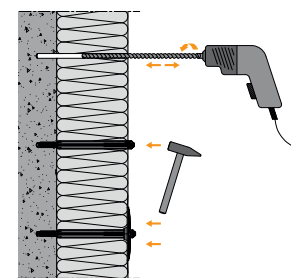
- Prevents "quilt effect" (indentations in the insulation) due to retrofitting of the washer
- Prevents gapping of the joints between the individual insulating panels at the joining edges
- Packing and handling volume is reduced by over 60% compared to one-part insulation support anchors
- Installation depth limiter guarantees defined installation, independent of the substrate
- Process reliable installation even with thick insulation boards

Characteristics

- 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

Notice

For the installation of two-ply insulation, additional stress plates are required. The practicability depends on the respective insulation properties and needs to be tested on site. Rotary hole drilling is obligatory in aerated concrete and perforated brick masonry.



Wall embedment
Single-ply insulation

Characteristic values	
Plate diameter	90 mm
Shaft diameter	8 mm
Drill bit diameter	8 mm
Drill hole depth ≥ t	40 mm
Embedment depth ≥ h _v	30 mm
Point thermal transmittance χ	0.0001 W/K
Carrying capacity (pull over washer)	0.2 kN

EJOT® insulation support anchor DH (set)

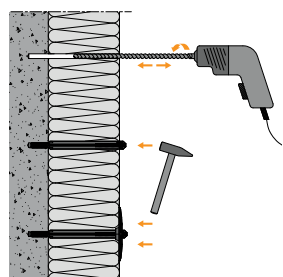


Cross references **page**


Installation point 217

Tool belt 277

Hammer drill SDS plus 269



Wall embedment
 Single-ply insulation

Insulation thickness ≤ [mm]		Order description	Article number
Set, comprised of washer and shaft			
40	300	DH-40 (one-part)	8 551 906 009
60	300	Set DH-60	8 550 060 009
80	300	Set DH-80	8 550 080 009
100	300	Set DH-100	8 550 100 009
120	300	Set DH-120	8 550 120 009
140	300	Set DH-140	8 550 140 009
160	300	Set DH-160	8 550 160 009
180	300	Set DH-180	8 550 180 009
200	300	Set DH-200	8 550 200 009
220	300	Set DH-220	8 550 220 009
240	300	Set DH-240	8 550 240 009
260	300	Set DH-260	8 550 260 009
280	300	Set DH-280	8 550 280 009
300	300	Set DH-300	8 550 300 009

Application range

- For fixing insulating material in the rear ventilated facade (VHF) to all substrates.

Benefits

- Prevents "quilt effect" (indentations in the insulation) due to retrofitting of the washer
- Prevents gapping of the joints between the individual insulating panels at the joining edges
- Installation depth limiter guarantees defined installation, independent of the substrate
- Process reliable installation even with thick insulation boards
- Packing and handling volume is reduced by over 60% compared to one-part insulation support anchors

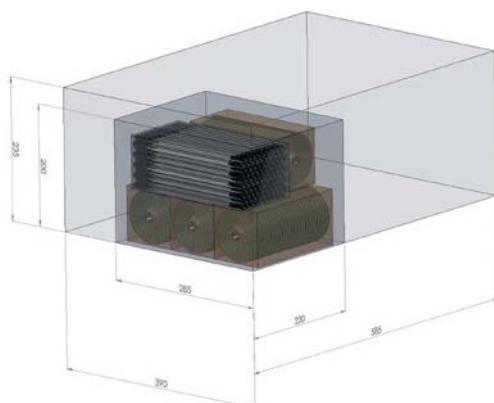
Characteristics

- 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


Notice

For the installation of two-ply insulation, additional stress plates are required. The practicability depends on the respective insulation properties and needs to be tested on site. Rotary hole drilling is obligatory in aerated concrete and perforated brick masonry.

Characteristic values	
Plate diameter	90 mm
Shaft diameter	8 mm
Drill bit diameter	8 mm
Drill hole depth ≥ t	40 mm
Embedment depth ≥ h _v	30 mm
Point thermal transmittance χ	0.0001 W/K
Carrying capacity (pull over washer)	0.2 kN

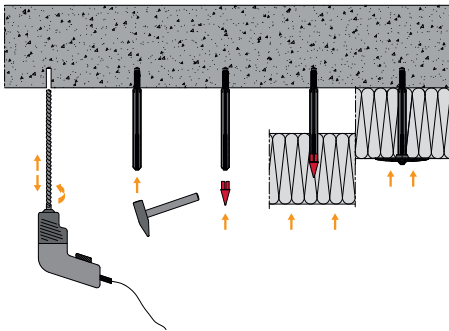


EJOT® installation point

	Order description	Article number
10	Installation point for DH	8 550 000 031

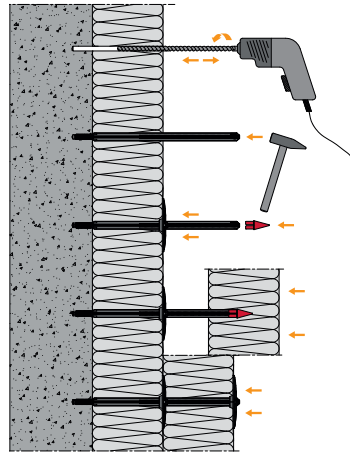
Application range

- Installation tool for ceiling insulation, lintels and two-ply insulation
- Attaches to the DH insulation support anchor



Ceiling embedment

Single-ply insulation with installation point



Wall embedment

Two-ply insulation with installation point



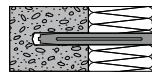
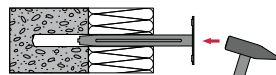
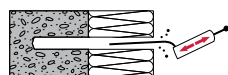
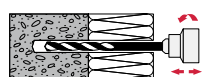
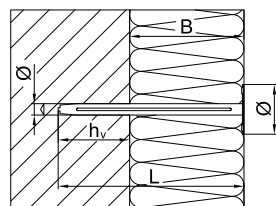
Cross references	page
Insulation support anchor DH ..	215
Tool belt	277

EJOT® metal insulation support anchor DMH



Cross references page

Metal insulation stress plate	
DMT	219
Hammer drill SDS plus	269



Anchor length L [mm]	Insulation thickness B ≤ [mm]		Order description	Article number
Alu-zinc steel				
80	40	250	DMH-8x80-V	9 700 030 301
110	70	250	DMH-8x110-V	9 700 030 602
140	100	250	DMH-8x140-V	9 700 030 603
170	130	250	DMH-8x170-V	9 700 030 912
200	160	250	DMH-8x200-V	9 700 031 215
250	210	200	DMH-8x250-V	9 700 031 520
300	260	200	DMH-8x300-V	9 700 031 300
Stainless A2				
80	40	250	DMH-8x80-E	9 700 030 302
110	70	250	DMH-8x110-E	9 700 033 603
140	100	250	DMH-8x140-E	9 700 036 904
170	130	250	DMH-8x170-E	9 700 035 912
200	160	250	DMH-8x200-E	9 700 035 215
250	210	200	DMH-8x250-E	9 700 035 520
300	260	200	DMH-8x300-E	9 700 035 300

Application range

- For fixing hard insulation materials
- In combination with the EJOT® DMT metal insulation stress plate also for fixing soft insulation materials.
- For fixing insulation materials for high fire protection requirements.

Characteristics

- Easy installation by striking in, self-expanding
- Easy installation
- Fire performance class A1: non-combustible according to DIN EN 13501-1:2010-01 (test certificate no. PZ 3.1/17-226-1)

Notice

The EJOT® insulation support anchors are used to fasten soft and hard insulating material in rear ventilated facades. The insulation board fastening is carried-out according to DIN 18516-1.

Rotary hole drilling is obligatory in aerated concrete and perforated brick masonry. For the usage in non-accessible areas of rear-ventilated facades, we recommend the metal insulation support anchor made of stainless steel.

Characteristic values

Plate diameter	35 mm
Shaft diameter	8 mm
Drill bit diameter	8 mm
Drill hole depth ≥ t	60 mm
Embedment depth ≥ h _v	40 mm
Axial distance a ≥	160 mm
Edge distance a _e ≥	80 mm
Minimum component thickness h _{min}	100 mm

Characteristic loads

Recommended tensile loads F _{rec}	
Concrete ≥ B25	0.20 kN
Solid sand-lime brick	0.20 kN
Bricks	0.20 kN
Vertically perforated clay bricks	0.05 kN
Perforated sand-lime brick	0.05 kN
Recommended transverse loads F _{rec}	
Concrete ≥ B25	0.25 kN
Solid sand-lime brick	0.25 kN
Bricks	0.25 kN
Vertically perforated clay bricks	0.10 kN
Perforated sand-lime brick	0.15 kN

EJOT® metal insulation stress plate DMT



\emptyset [mm]		Order description	Article number
Alu-zinc steel			
80	250	DMT-80-V	9 700 030 156
Stainless A2			
80	250	DMT-80-E	9 700 030 157

Application range

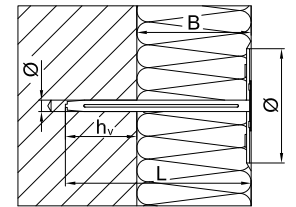
- For fastening soft insulating materials in combination with the EJOT® DMH metal insulation support anchor
- For fixing soft insulating materials for high fire protection requirements

Characteristics

- Fire performance class A1: non-combustible according to DIN EN 13501-1:2010-01 (test certificate no. PZ 3.1/17-226-1)



Cross references	page
Metal insulation support anchor DMH	218





Installation technology

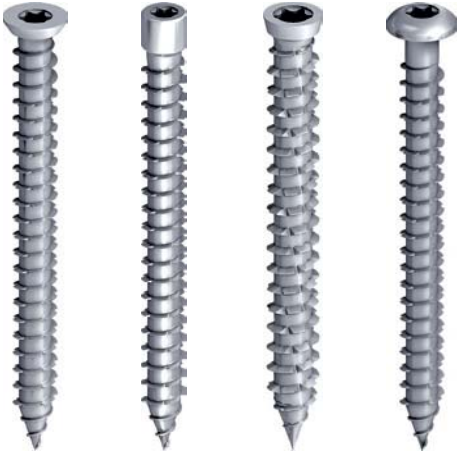
Metal anchors and chemical anchors



Through Bolts
from page 222



Chemical anchors
from page 225



Frame anchors
from page 232



Concrete Screws
from page 237



Drop-in anchors
Page 236



Ceiling nails
Page 236

- 
- Self-drilling screws
- Facade screws (rear-ventilated facades)
- Direct assembly
- Self-tapping screws
- Orkan storm washers
- Rivets
- Fasteners for solar/photovoltaic
- Scaffolding anchors
- Pipe flashings
- Flat roof fasteners
- Anchor technology
- Installation technology**
- Dry wall construction
- Accessories
- Machinery Spare parts Tools
- 

EJOT® through bolt BA-V



Cross references **page**

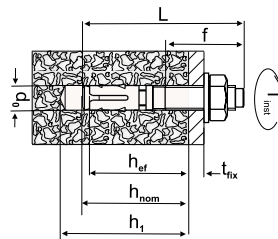
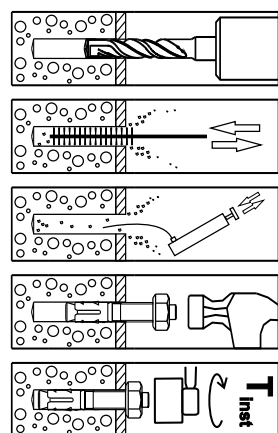
Cleaning brush 279

Blow-out pump 279

Tool belt 277

Hammer drill SDS-plus 269

Installation tool..... 278



d ₀ [mm]	L [mm]	t _{fix} ≤ [mm]	h ₁ ≥ [mm]	h _{ef} ≥ [mm]		Order description	Article number
8	72	10	60	45	50	BA-V-8/10	9 650 001 112
8	72	10	60	45	50	BA-V-8/10 DIN 9021	9 650 001 212
8	92	30	60	45	50	BA-V-8/30	9 650 001 114
8	92	30	60	45	50	BA-V-8/30 DIN 9021	9 650 001 214
8	112	50	60	45	40	BA-V-8/50	9 650 001 116
8	112	50	60	45	40	BA-V-8/50 DIN 9021	9 650 001 216
8	147	85	60	45	40	BA-V-8/85	9 650 001 118
8	147	85	60	45	40	BA-V-8/85 DIN 9021	9 650 001 218
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
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	148	50	90	70	20	BA-V-12/50	9 650 001 154
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
16	138	20	110	85	10	BA-V-16/20	9 650 001 171

Order information: Further dimensions and option 7 upon request

Application range

- For embedment in cracked and non-cracked concrete ≥ C20/25
- Dry indoor areas

Characteristics

- Galvanized zinc-plated steel
- Approval for concrete, option 1
- Fire resistance classes
F30, F60, F90, F120

Notice

Characteristic values apply to the compression strength of C20/25 concrete. Design load of an anchor for centric tension in cracked concrete.

Type of anchor	design load F _{per} [kN]	Centre distance [mm]			Edge distance [mm]			permissible bending moment [Nm]	Tightening torque 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® through bolt BA-F



d_0 [mm]	L [mm]	t_{fix} ≤ [mm]	$h_1 \geq$ [mm]	$h_{ef} \geq$ [mm]		Order description	Article number
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
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
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

Order information: Further dimensions and option 7 upon request

Application range

- For embedment in cracked and non-cracked concrete \geq C20/25
- Dry indoor areas
- For embedment of medium heavy to heavy fixings such as pillars, metal structures and wooden structures

Characteristics

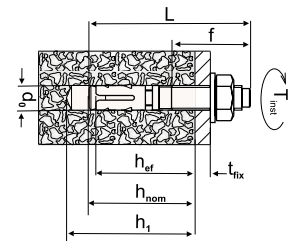
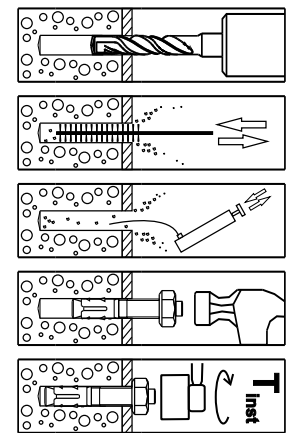
- Steel, hot dip zinc-plated
- Approval for concrete, option 1
- Fire resistance classes F30, F60, F90, F120
- for increased corrosion protection

Notice

Characteristic values apply to the compression strength of C20/25 concrete. Design load of an anchor for centric tension in cracked concrete.



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Installation tool	278



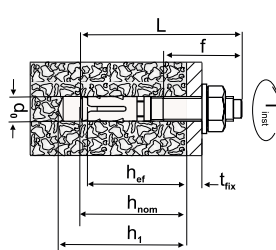
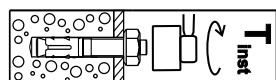
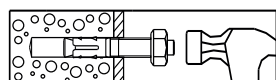
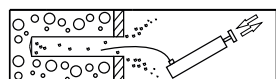
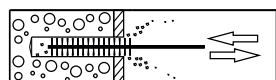
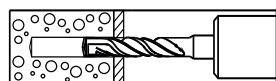
Type of anchor	design load F_{per} [kN]	Centre distance [mm]			Edge distance [mm]			permissible bending moment [Nm]	Tightening torque MD [Nm]
		$S_{cr,N}$	S min	C	$C_{cr,N}$	C min	S		
BA-F-8	2.0	135	50	50	68	50	50	10.0	15
BA-F-10	3.6	180	55	80	90	50	100	22.9	35
BA-F-12	4.8	210	60	90	105	55	145	34.3	50
BA-F-16	9.5	255	70	120	128	85	150	88.6	120

EJOT® through bolt BA-E



Cross references

	page
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Installation tool	278



d ₀ [mm]	L [mm]	t _{fix} ≤ [mm]	h ₁ ≥ [mm]	h ₂ ≥ [mm]	h ₃ ≥ [mm]	Order description	Article number
8	72	10	60	45	50	BA-E-8/10	9 650 005 112
8	72	10	60	45	50	BA-E-8/10 DIN 9021	9 650 005 212
8	92	30	60	45	50	BA-E-8/30	9 650 005 114
8	92	30	60	45	50	BA-E-8/30 DIN 9021	9 650 005 214
8	112	50	60	45	40	BA-E-8/50	9 650 005 116
8	112	50	60	45	40	BA-E-8/50 DIN 9021	9 650 005 216
10	92	10	75	60	40	BA-E-10/10	9 650 005 132
10	92	10	75	60	40	BA-E-10/10 DIN 9021	9 650 005 232
10	102	20	75	60	25	BA-E-10/20	9 650 005 135
10	102	20	75	60	25	BA-E-10/20 DIN 9021	9 650 005 235
10	112	30	75	60	25	BA-E-10/30	9 650 005 136
10	112	30	75	60	25	BA-E-10/30 DIN 9021	9 650 005 236
10	132	50	75	60	25	BA-E-10/50	9 650 005 138
10	132	50	75	60	25	BA-E-10/50 DIN 9021	9 650 005 238
12	103	5	90	70	20	BA-E-12/5	9 650 005 150
12	103	5	90	70	20	BA-E-12/5 DIN 9021	9 650 005 250
12	128	30	90	70	20	BA-E-12/30	9 650 005 154
12	128	30	90	70	20	BA-E-12/30 DIN 9021	9 650 005 254
12	148	50	90	70	20	BA-E-12/50	9 650 005 153
12	148	50	90	70	20	BA-E-12/50 DIN 9021	9 650 005 253

Order information: Further dimensions and option 7 upon request

Application range

- For embedment in cracked and non-cracked concrete ≥ C20/25
- Dry indoor areas
- Wet areas
- Outdoors, including in industrial atmospheres and coastal environments
- HCR (1.4529) anchor for embedment in chlorinated atmosphere available upon request

Characteristics

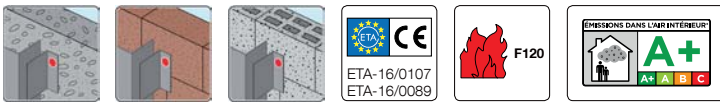
- Stainless A4
- Approval for concrete, option 1
- Fire resistance classes F30, F60, F90, F120

Notice

Characteristic values apply to the compression strength of C20/25 concrete. Design load of an anchor for centric tension in cracked concrete.

Type of anchor	design load F _{per} [kN]	Centre distance [mm]			Edge distance [mm]			permissible bending moment [Nm]	Tightening torque 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

Mortar cartridge Multifix USF



Content [ml]	Order description	Article number
280	Mortar cartridge USF 280 ml	9 571 000 280

Application range

- For installation in cracked concrete (option 1) and non-cracked concrete (option 7) (ETA-16/0107)
- For installation in masonry (ETA-16/0089)
- For installation in natural stone (without approval)
- Approved for anchor rods M8, M10, M12, M16, M20, M24

Characteristics

- Vinyl resin, styrene-free

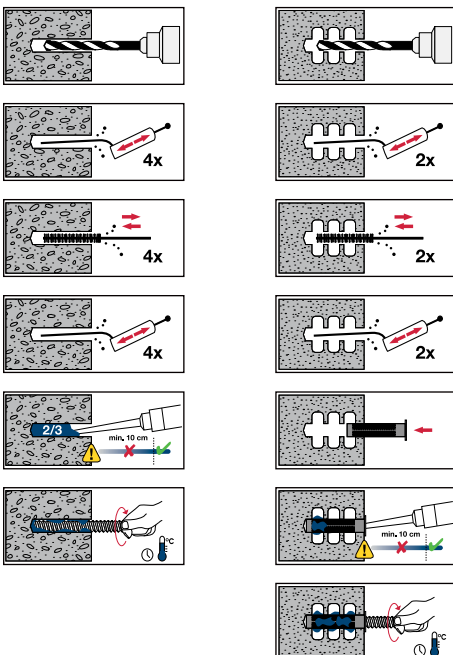
Benefits

- Processing with common applicator gun possible
- Can be used in wet concrete and water-filled drill holes
- Delivery including mixing nozzle

Notice

Please observe the corresponding approvals during planning and processing.

The storage temperature must not permanently exceed 25 °C! Please store upright!



Installation parameters

Anchor rod	d ₀ [mm]	h _{ef} = h ₀ min - max [mm]
M8	10	60 - 160
M10	12	60 - 200
M12	14	70 - 240
M16	18	80 - 320
M20	24	90 - 400
M24	28	96 - 480
M27	32	108 - 540
M30	35	120 - 600

Installation parameters / consumption in perforated building materials*

Mesh sleeve	Anchor rod	d ₀ [mm]	h ₀ [mm]	Number of fills
USF 12x80	M8	12	85	21
USF 16x85	M8/M10	16	90	11
USF 16x130	M8/M10	16	135	7
USF 20x85	M12/M16	20	90	7
USF 20x130	M12/M16	20	135	5
USF 20x200	M12/M16	20	205	3

*Filling of the mesh sleeve complete + 15%

Processing time and minimum curing time

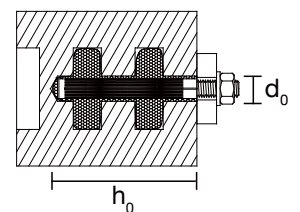
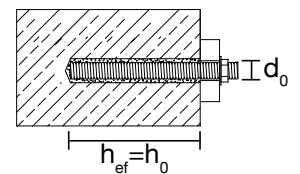
°C	Processing time	Minimum curing time	Minimum curing time
-10*	1h 30'	24h	48h
≥ -5	1h 30'	14h	28h
≥ 0	45'	7h	14h
≥ +5	25'	2h	4h
≥ +10	15'	1h 20'	2h 40'
≥ +20	6'	45'	1h 30'
≥ +30	4'	25'	50'
≥ +35	2'	20'	40'
+40	1.5'	15'	30'

*Min. cartridge temperature +15 °C

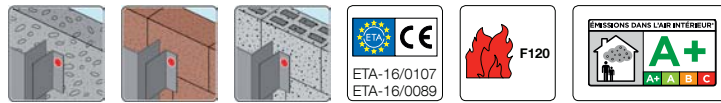


Cross references

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Mesh sleeve	231
Cleaning brush	279
Blow-out pump	279
Applicator gun	279
Hammer drill SDS plus	269
Duster Expert SDS plus	271



Mortar cartridge Multifix USF winter



NEW



Content [ml]	Order description	Article number
300	Mortar cartridge USF winter 300 ml	9 571 000 300

Application range

- For installation in cracked concrete (option 1) and non-cracked concrete (option 7) (ETA-16/0107)
- For installation in masonry (ETA-16/0089)
- For installation in natural stone (without approval)
- Approved for anchor rods M8, M10, M12, M16, M20, M24

Characteristics

- Vinyl resin, styrene-free

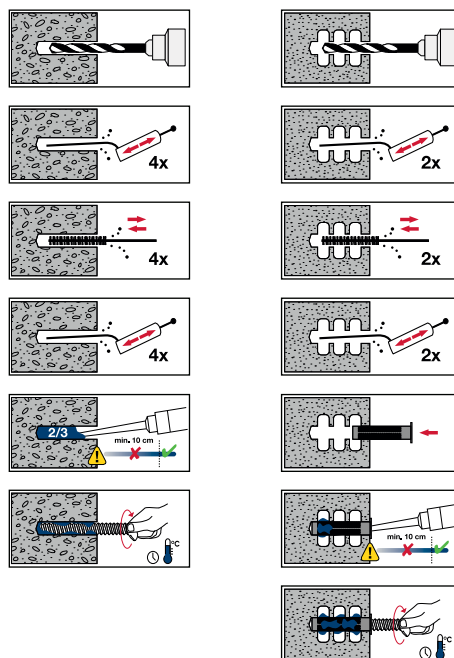
Benefits

- Cartridge temperature may conform to the low outside temperature
- Shorter curing times at low temperatures
- Processing with common applicator gun possible
- Can be used in wet concrete and water-filled drill holes
- Delivery including mixing nozzle

Notice

Please observe the corresponding approvals during planning and processing.

The storage temperature must not permanently exceed 25 °C! Please store upright!



Installation parameters

Anchor rod	d ₀ [mm]	h _{ef} = h ₀ min - max [mm]
M8	10	60 - 160
M10	12	60 - 200
M12	14	70 - 240
M16	18	80 - 320
M20	24	90 - 400
M24	28	96 - 480
M27	32	108 - 540
M30	35	120 - 600

Installation parameters / consumption in perforated building materials*

Mesh sleeve	Anchor rod	d ₀ [mm]	h ₀ [mm]	Number of fills
USF 12x80	M8	12	85	21
USF 16x85	M8/M10	16	90	11
USF 16x130	M8/M10	16	135	7
USF 20x85	M12/M16	20	90	7
USF 20x130	M12/M16	20	135	5
USF 20x200	M12/M16	20	205	3

*Filling of the mesh sleeve complete + 15%

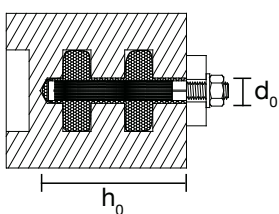
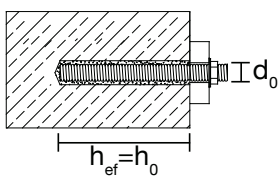
Processing time and minimum curing time

°C	1h 15'	24h	48h
-20*	1h 15'	24h	48h
≥ -15	55'	16h	32h
≥ -10	35'	10h	20h
≥ -5	20'	5h	10h
≥ 0	10'	2h 30'	5h
≥ +5	6'	1h 20'	2h 40'
10	6'	1h	2h

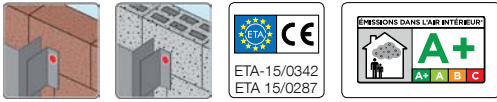
*Min. cartridge temperature -20 °C

Cross references page

Anchor rod	230
Mesh sleeve	231
Cleaning brush	279
Blow-out pump	279
Applicator gun	279
Hammer drill SDS plus	269
Duster Expert SDS plus	271



Mortar cartridge Multifix PSF



Contents [ml]	Order description	Article number
300	EJOT Multifix PSF 300	9 570 002 300
410	EJOT Multifix PSF 410	9 570 000 410

Application range

- 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

- Polyester based Injection resin
- Without styrene, low odour
- For medium loads
- Good durability
- Ideal for indoor and outdoor applications
- Suitable for dry, wet and flooded holes in concrete 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+

Handling and Storage

- This product should be stored between + 5 °C and + 25 °C.
- Avoid Direct Sunlight
- The shelf life of the product is 12 months from the manufacture date.

Notice

For details/questions please check with technical department. For details please consult valid ETA document as mentioned above.

Working and hardening times

Temp. (°C)	Working time	Setting time	Hardening time
-5	40 min	3h	6h
5	20 min	1h30'	3h
15	9 min	1h	2h
25	5 min	30 min	1h
35	3 min	20 min	40 min

Full cure 24 hours
All specifications based on supplied mixer



WARNING

Contains: DIBENZOYL PEROXYDE. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Wash skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice. Take off contaminated clothing and wash before reuse.



Cross references

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Anchor rod	230
Mesh sleeve	231
Cleaning brush	279
Blow-out pump	279
Applicator gun	279
Hammer drill SDS plus	269
Duster Expert SDS plus	271



Mortar cartridge Multifix VSF



Contents [ml]	Order description	Article number
300	EJOT Multifix VSF 300	9 571 002 300
410	EJOT Multifix VSF 410	9 571 000 410

Application range

- 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

- Vinylester
- Without styrene, low odour
- For high and critical loads
- High durability
- Ideal for indoor and outdoor applications
- Fast curing
- Dynamic resistance
- Fire resistance classification
- For use with potable water

Certification

- ETA 15/0282 for Concrete Option 1 and Rebar
- VOC classification A+
- BS6920 Approved

Handling and Storage

- This product should be stored between + 5 °C and + 25 °C.
- Avoid Direct Sunlight
- The shelf life of the product is 12 months from the manufacture date.

Notice

For details/questions please check with technical department. For details please consult valid ETA document as mentioned above.

Working and hardening times

°C	50 min	4h	8h
-10*	50 min	4h	8h
-5	40 min	3h	6h
5	20 min	1h30'	3h
15	9 min	1h	2h
25	5 min	30 min	1h
35	3 min	20 min	40 min

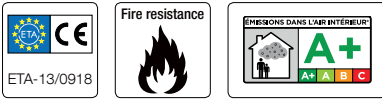
*Resin temperature must be at least 20 °C
Full cure 24 hours
All specifications based on supplied mixer



WARNING

Contains: DIBENZOYL PEROXIDE; ETHYL-VINYLBENZENE. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects. Wash skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water.

Mortar cartridge Super Epoxy SE 800



Contents [mm]	Order description	Article number
400	EJOT Super Epoxy SE 800	9 570 000 400

Application range

- Suitable for stone, rods and reinforcement connection
- 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

- Pure Epoxy Injection Mortar
- For high loads
- No shrinkage
- 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+

Handling and Storage

- This product should be stored between + 5 °C and + 25 °C.
- Avoid Direct Sunlight
- The shelf life of the product is 24 months from the manufacture date.

Notice

For details/questions please check with technical department. For details please consult valid ETA document as mentioned above.

Working and hardening times

Temperature (°C)	Working time	Hardening time (dry)	Hardening time (wet)
5	1h	33h	50h
10	50 min	24h	36h
20	30 min	6h	9h
30	15 min	4h	6h
40	8 min	3h	4h

Minimum resin temperature for injection: +10 °C
Minimum concrete temperature for injection: +5 °C



DANGER

Contains: BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}; P-TERT-BUTYL-PHENOL; 1,3-BENZENEDIMETHANAMINE; 2, 3-EPOXYPROPYL NEODECANOATE. Contains trimethyl hexamethylene diamine. May produce an allergic reaction. Suspected of causing genetic defects. Suspected of damaging fertility or the unborn child. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects. Do not breathe dust/fumes/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.



Cross references


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Blow-out pump	279
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Anchor rod AST / threaded rod



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Cleaning brush	279
Blow-out pump	279
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Thread	Length [mm]		Order description	Article number
Anchor rod AST, zinc-plated steel				
M8	110	10	AST M8x110-V	9 570 098 110
M10	130	10	AST M10x130-V	9 570 910 130
M10	170	10	AST M10x170-V	9 570 910 170
M12	160	10	AST M12x160-V	9 570 912 160
Anchor rod AST, A4 stainless steel				
M8	110	10	AST M8x110-E	9 571 098 110
M10	130	10	AST M10x130-E	9 571 910 130
M10	170	10	AST M10x170-E	9 571 910 170
M12	160	10	AST M12x160-E	9 571 912 160
M16	190	10	AST M16x190-E	9 571 916 190
Threaded rod DIN 976, A4 stainless steel				
M8	1,000	50	Threaded rod M8x1000 DIN 976	9 560 008 000 NEW
M10	1,000	25	Threaded rod M10x1000 DIN 976	9 560 010 000 NEW
M12	1,000	20	Threaded rod M12x1000 DIN 976	9 560 012 000 NEW
M16	1,000	10	Threaded rod M16x1000 DIN 976	9 560 016 000 NEW
Nut DIN 934, A4 stainless steel				
M8	-	100	Hexagon nut DIN 934 M8 A4	9 560 000 008 NEW
M10	-	100	Hexagon nut DIN 934 M10 A4	9 560 000 010 NEW
M12	-	100	Hexagon nut DIN 934 M12 A4	9 560 000 012 NEW
M16	-	100	Hexagon nut DIN 934 M16 A4	9 560 000 016 NEW
Washer DIN 934, A4 stainless steel				
M8	-	100	Plain washer DIN 125 for M8 A4	9 561 000 008 NEW
M10	-	100	Plain washer DIN 125 for M10 A4	9 561 000 010 NEW
M12	-	100	Plain washer DIN 125 for M12 A4	9 561 000 012 NEW
M16	-	100	Plain washer DIN 125 for M16 A4	9 561 000 016 NEW

Order information: Other lengths and thread types upon request

Application range

- For embedment in concrete and solid brick
- For embedment in perforated brick in combination with mesh sleeve
- Approved for polyester and vinyl ester composite mortar

Properties of 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 of AST A4 stainless steel

(1.4401 / 1.4571)

- Anchor rod: EN 10088; property class 70 (A4-70) acc. to EN ISO 3506
- Nut: EN 10088; property class 70 (A4-70) acc. to EN ISO 3506
- Washer: acc. to EN 10088


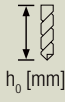

Technical Specifications

Thread	min. embedment depth [mm]		 [mm]
	Concrete	Solid based material	
M8	60	80	10
M10	60	90	12
M12	70	100	14
M16	80	130	18

Notice

To determine the characteristic load capacity in concrete, approval **ETA-16/0107** has to be considered. To determine the characteristic load capacity in solid and perforated brick, approval **ETA-16/0089** has to be considered.

Mesh sleeve

 d_0 [mm]	 h_0 [mm]	for threaded rod		Order description	Article number
12	85	M8	10	Mesh sleeve USF 12x80	9 571 012 080
16	90	M8 / M10	10	Mesh sleeve USF 16x85	9 571 016 085
16	135	M8 / M10	10	Mesh sleeve USF 16x130	9 571 016 130
20	90	M12 / M16	10	Mesh sleeve USF 20x85	9 571 020 085
20	135	M12 / M16	10	Mesh sleeve USF 20x130	9 571 020 130

Application range

- For embedment in perforated brick

Characteristics

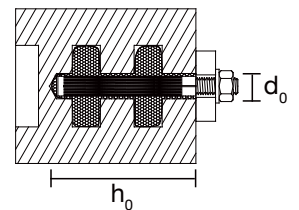
- Guarantees exact calibration of threaded rod

Notice

For planning and processing, please observe ETA-16/0089.



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EJOT® frame anchor type RA-P



Length [mm]		Order description	Article number
zinc-plated, blue passivated			
40	100	Frame anchor type RA-P -7.5x40	2 231 040 601
60	100	Frame anchor type RA-P -7.5x60	2 231 060 601
70	100	Frame anchor type RA-P -7.5x70	2 231 070 601
80	100	Frame anchor type RA-P -7.5x80	2 231 080 601
90	100	Frame anchor type RA-P -7.5x90	2 231 090 601
100	100	Frame anchor type RA-P -7.5x100	2 231 100 601
120	100	Frame anchor type RA-P -7.5x120	2 231 120 601
135	100	Frame anchor type RA-P -7.5x135	2 231 135 601
150	100	Frame anchor type RA-P -7.5x150	2 231 150 601
180	100	Frame anchor type RA-P -7.5x180	2 231 180 601
210	100	Frame anchor type RA-P -7.5x210	2 231 210 601
250	50	Frame anchor type RA-P -7.5x250	2 231 250 601
300	50	Frame anchor type RA-P -7.5x300	2 231 300 601

Inspection document

No. 2614091-02 EPH Dresden

Cross references

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Bit TORX®272
 Hammer drill SDS plus®269

Application range

- Direct fastening of plastic windows in masonry and concrete, without any anchors
- Efficient spaced fixing of windows and doors
- Installation according to the RAL quality association guidelines for windows and doors

Characteristics

- Case-hardened steel
- Burglar-resistant (RC2), tested on steel-free plastic windows
- Tested as fastening element according to the ETB guidelines "Building components which protect against falling from heights"
- Reduced forming moulding and exact fit due to perfect thread geometry
- Fast installation, reliable anchoring
- Including white RAL 9010 push-on caps

Installation process

- Drill Ø 6.2 mm frame holes, in-plant or on site, spacing acc. to RAL quality assessment
- Align frame thoroughly in masonry opening
- Drill Ø 6 mm holes into stone, drill hole depth = installation depth + 10 mm
- Fix with EJOT frame anchor by using common tools
- Push-on cap if necessary

Notice

Please note the special assembly instructions when installing burglar-resistant or anti-fall devices!

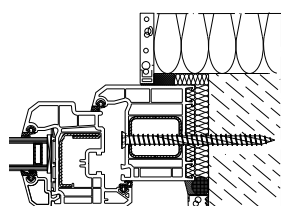
Technical Specifications

Diameter	7.5 mm
Head diameter	11 mm
Drive	T30

Minimum installation depth

Concrete	30 mm
Sand-lime brick, solid brick	40 mm
Vertically perforated brick, lightweight concrete, pumice, aerated concrete	60 mm
Soft wood	60 mm
Hard wood	40 mm


Building materials	Pre-drilling Ø / drilling method
Concrete ≥ C12/15, solid sand-lime brick, solid brick	6 mm Hammer drilling
Perforated sand-lime brick, Hollow block, timber	6 mm Rotary drilling
Vertically perforated brick ≥ Plan T12	5 mm Rotary drilling
Aerated concrete ≥ PP4	omitted



Edge distances

Concerning the minimum edge distances, the specifications given by the manufacturer of the wall material have to be observed. Since EJOT frame anchors are installed in various different substrates, we recommend a minimum edge distance of 50 mm.

EJOT® frame anchor type SA-H

Length [mm]		Order description	Article number
zinc-plated, blue passivated			
60	100	Frame anchor type SA-U -7.5x60	2 249 060 601
80	100	Frame anchor type SA-U -7.5x80	2 249 080 601
100	100	Frame anchor type SA-U -7.5x100	2 249 100 601
120	100	Frame anchor type SA-U -7.5x120	2 249 120 601
135	100	Frame anchor type SA-U -7.5x135	2 249 135 601
150	100	Frame anchor type SA-U -7.5x150	2 249 150 601
180	100	Frame anchor type SA-U -7.5x180	2 249 180 601

Application range

- Direct fastening of wooden or aluminum-wood windows in masonry and concrete, without any anchors
- Efficient spaced fixing of windows and doors
- Installation according to the RAL quality association guidelines for windows and doors

Characteristics

- Burglar-resistant (RC2)
- Reduced forming moulding and exact fit due to perfect thread geometry
- Fast installation, reliable anchoring
- Slim head pulls into the wooden outer frame flush with the surface
- Case-hardened steel

Installation process

- Drill Ø 6.2 mm frame holes, in-plant or on site, spacing acc. to RAL quality assessment
- Align frame thoroughly in masonry opening
- Drill Ø 6 mm holes into stone, drill hole depth = installation depth + 10 mm
- Fix with EJOT frame anchor by using common tools

Notice

Please note the special assembly instructions when installing burglar-resistant or anti-fall devices!

Edge distances

Concerning the minimum edge distances, the specifications given by the manufacturer of the wall material have to be observed. Since EJOT frame anchors are installed in various different substrates, we recommend a minimum edge distance of 50 mm.

Technical Specifications	
Diameter	7.5 mm
Head diameter	7.5 mm
Drive	T25

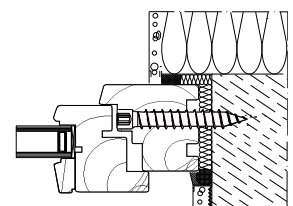
Minimum installation depth	
Concrete	30 mm
Sand-lime brick, solid brick	40 mm
Vertically perforated brick, lightweight concrete, pumice, aerated concrete	60 mm
Soft wood	60 mm
Hard wood	40 mm

Building materials	Pre-drilling Ø / drilling method
Concrete ≥ C12/15, solid sand-lime brick, solid brick	6 mm Hammer drilling
Perforated sand-lime brick, Hollow block, timber	6 mm Rotary drilling
Vertically perforated brick ≥ Plan T12	5 mm Rotary drilling
Aerated concrete ≥ PP4	omitted



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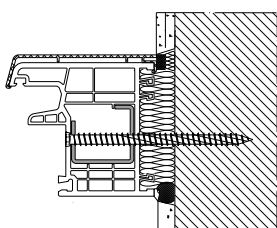


EJOT® frame anchor type RA-U



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Hammer drill SDS plus®269



Length [mm]		Order description	Article number
zinc-plated, blue passivated			
40	100	Frame anchor type RA-U - 7.5x40	2 261 040 601
60	100	Frame anchor type RA-U - 7.5x60	2 261 060 601
70	100	Frame anchor type RA-U - 7.5x70	2 261 070 601
80	100	Frame anchor type RA-U - 7.5x80	2 261 080 601
100	100	Frame anchor type RA-U - 7.5x100	2 261 100 601
120	100	Frame anchor type RA-U - 7.5x120	2 261 120 601
135	100	Frame anchor type RA-U - 7.5x135	2 261 135 601
150	100	Frame anchor type RA-U - 7.5x150	2 261 150 601
180	100	Frame anchor type RA-U - 7.5x180	2 261 180 601
210	100	Frame anchor type RA-U - 7.5x210	2 261 210 601

Application range

- Direct fastening of plastic and wooden windows in masonry and concrete, without any anchors
- Efficient spaced fixing of windows and doors
- Installation according to the RAL quality association guidelines for windows and doors

Characteristics

- Burglar-resistant (RC2), tested on steel-free plastic windows.
- Reduced forming moulding and exact fit due to perfect thread geometry
- Fast installation, reliable anchoring
- All-purpose for various window materials
- Case-hardened steel

Installation process

- Drill Ø 6.2 mm frame holes, in-plant or on site, spacing acc. to RAL quality assessment
- Align frame thoroughly in masonry opening
- Drill Ø 6 mm holes into stone, drill hole depth = installation depth + 10 mm
- Fix with EJOT frame anchor by using common tools
- Push-on cap if necessary

Notice

Please note the special assembly instructions when installing burglar-resistant or anti-fall devices!

Edge distances

Concerning the minimum edge distances, the specifications given by the manufacturer of the wall material have to be observed. Since EJOT frame anchors are installed in various different substrates, we recommend a minimum edge distance of 50 mm.

Technical Specifications	
Diameter	7.5 mm
Head diameter	8.5 mm
Drive	T30

Minimum installation depth	
Concrete	30 mm
Sand-lime brick, solid brick	40 mm
Vertically perforated brick, lightweight concrete, pumice, aerated concrete	60 mm
Soft wood	60 mm
Hard wood	40 mm

Building materials	Pre-drilling Ø / drilling method
Concrete ≥ C12/15, solid sand-lime brick, solid brick	6 mm Hammer drilling
Perforated sand-lime brick, Hollow block, timber	6 mm Rotary drilling
Vertically perforated brick ≥ Plan T12	5 mm Rotary drilling
Aerated concrete ≥ PP4	omitted

EJOT® frame anchor type RA-Z



Length [mm]		Order description	Article number
zinc-plated, blue passivated			
120	100	Frame anchor RA-Z -7.5x120	2 271 120 601
150	100	Frame anchor RA-Z -7.5x150	2 271 150 601
180	100	Frame anchor RA-Z -7.5x180	2 271 180 601
210	100	Frame anchor RA-Z -7.5x210	2 271 210 601
250	50	Frame anchor RA-Z -7.5x250	2 271 250 601
300	50	Frame anchor RA-Z -7.5x300	2 271 300 601

Application range

- Direct fastening of plastic and wooden windows in masonry and concrete, without any anchors
- Especially suited for PVC outer frame without reinforcing steel rods
- Efficient spaced fixing of windows and doors
- Installation according to the RAL quality association guidelines for windows and doors

Characteristics

- Sleek and broad supported head (Ø12 mm)
- Burglar-resistant (RC2), tested on steel-free plastic windows
- Tested as fastening element according to the ETB guidelines "Building components which protect against falling from heights"
- Reduced forming moulding and exact fit due to perfect thread geometry
- Fast installation, reliable anchoring
- Case-hardened steel

Installation process

- Drill Ø 6.2 mm frame holes, in-plant or on site, spacing acc. to RAL quality assessment
- Align frame thoroughly in masonry opening
- Drill Ø 6 mm holes into stone, drill hole depth = installation depth + 10 mm
- Fix with EJOT frame anchor by using common tools

Notice

Please note the special assembly instructions when installing burglar-resistant or anti-fall devices!

Edge distances

Concerning the minimum edge distances, the specifications given by the manufacturer of the wall material have to be observed. Since EJOT frame anchors are installed in various different substrates, we recommend a minimum edge distance of 50 mm.

Technical Specifications

Diameter	7.5 mm
Head diameter	12 mm
Drive	T30

Minimum installation depth

Concrete	30 mm
Sand-lime brick, solid brick	40 mm
Vertically perforated brick, lightweight concrete, pumice, aerated concrete	60 mm
Soft wood	60 mm
Hard wood	40 mm

Building materials	Pre-drilling Ø / drilling method
Concrete ≥ C12/15, solid sand-lime brick, solid brick	6 mm Hammer drilling
Perforated sand-lime brick, Hollow block, timber	6 mm Rotary drilling
Vertically perforated brick ≥ Plan T12	5 mm Rotary drilling
Aerated concrete ≥ PP4	omitted



Inspection document

No. 2614091-02 EPH Dresden

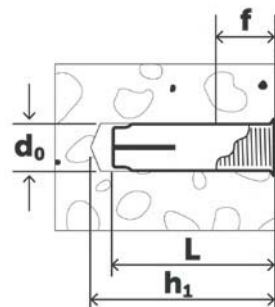
Cross references

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Bit TORX®	272
Hammer drill SDS plus®	269

Drop-in anchor LAL+



Cross references page
Installation tool 278



Length [mm]	Order description	Article number
30	Drop-in anchor LAL+8	9 650 070 072
40	Drop-in anchor LAL+10	9 650 070 074

Application range

- For use as single fastener according to ETAG 001; Part 4 in non-cracked concrete (see ETA-13/0442)
- For use as a multiple fastener of non-supporting systems in cracked and non-cracked concrete, e.g. suspension systems, pipelines, air ducts, sprinkler systems, cable racks, machines, supports and ceiling beams (see ETA 13/0441)
- Also suitable for pre-stressed hollow core slabs, natural stone and brick
- Suitable for dry indoor areas

Characteristics

- With collar, steel, galvanized zinc-plated
- Internal thread for metric screws and rods
- The suitable bolt length is 1-1.5 x nominal anchor length + component thickness
- The small required drill hole depth facilitates drilling and overhead mounting

Characteristic values	LAL+8	LAL+10
Outside diameter of sleeve d_{nom}	10 mm	12 mm
Inside diameter of thread	8 mm	10 mm
Nominal drill diameter d_0	10 mm	12 mm
Effective Embedment depth h_{ef}	30 mm	40 mm
Max. installation depth $L_{s,max}$	13 mm	16 mm
Max. installation depth $L_{s,min}$	8 mm	10 mm
Through hole diameter in the attached part d_f	9 mm	12 mm
Max. locating torque max. T_{inst}	8 Nm	15 Nm

Performance data	LAL+8	LAL+10
Non-cracked concrete C20/25 N_{Rec}	3.6 kN	4.8 kN
Non-cracked concrete C20/25 V_{Rec}	3.1 kN	4.5 kN

Ceiling nail



Cross references page
Hammer drill SDS plus 269

Ø [mm]	Length [mm]	Order description	Article number
6	35	T-DN 6-35 Ceiling nail	9 700 050 035

Application range

- For use as a multiple fastener of non-supporting systems in concrete
- Approved for concrete strengths from C20/25 to C50/60

Characteristics

- Steel, galvanized zinc-plated
- High load-bearing capacity in cracked and non-cracked concrete
- Small drill holes
- Fast and reliable installation

Characteristic values without fire exposure

Drill hole diameter d_0	6 mm
Drill hole depth $\geq h_1$	40 mm
Embedment depth $\geq h_{ef}$	32 mm
Min. component thickness h_{min}	80 mm
Edge distance c_{min}	150 mm
Centre distance s_{min}	200 mm
Max. attached part thickness t_{fix}	5 mm
Height of the attached part $\leq t_{fix}$	5 mm

EJOT® concrete screw JC2-KB

NEW



L [mm]	t _{fix} [mm]	h _{nom} [mm]	h ₁ [mm]		Order description	Article number
45	5	40	50	100	Concrete screw JC2-KB 6X45/5	9 650 071 305
50	10	40	50	100	Concrete screw JC2-KB 6X50/10	9 650 071 307
60	5/20	55/40	65/50	100	Concrete screw JC2-KB 6X60/5/20	9 650 071 309
80	25/40	55/40	65/50	100	Concrete screw JC2-KB 6X80/25/40	9 650 071 313
100	45/60	55/40	65/50	50	Concrete screw JC2-KB 6X100/45/60	9 650 071 317
60	5	55	65	50	Concrete screw JC2-KB 8X60/5*	9 650 071 331
70	5 (15*)	65 (55*)	75 (65)	50	Concrete screw JC2-KB 8X70/5(15)	9 650 071 333
80	15 (25*)	65 (55*)	75 (65)	50	Concrete screw JC2-KB 8X80/15(25)	9 650 071 335
100	35 (45*)	65 (55*)	75 (65)	50	Concrete screw JC2-KB 8X100/35(45)	9 650 071 339
120	55 (65*)	65 (55*)	75 (65)	50	Concrete screw JC2-KB 8X120/55(65)	9 650 071 343
80	10	75	95 (80*)	25	Concrete screw JC2-KB 10X80/10*	9 650 071 359
90	5 (20*)	85 (70*)	95 (80*)	25	Concrete screw JC2-KB 10X90/5(20)	9 650 071 361
100	15 (30*)	85 (70*)	95 (80*)	25	Concrete screw JC2-KB 10X100/15(30)	9 650 071 363
120	35 (50*)	85 (70*)	95 (80*)	25	Concrete screw JC2-KB 10X120/35(50)	9 650 071 367
140	55 (70*)	85 (70*)	95 (80*)	25	Concrete screw JC2-KB 10X140/55(70)	9 650 071 369

*Not part of the ETA

Application range

- Facade scaffolds
- Temporary fastening
- Contact surfaces
- Shelves
- Cable racks
- hand rails
- Battens

Embedment substrates

Approved for

- Cracked concrete
- Pre-stressed hollow core slab
- Non-cracked concrete

Also suitable for

- Bricks
- Solid brick sandstone

Characteristics

- Galvanized zinc-plated steel
- Hexagon head with flange
- ETA-approved concrete screw for cracked and non-cracked concrete
- Self-tapping approved screw anchor for push-through installation
- No expansion forces, hence small edge and centre distances possible
- Completely removable
- For dry indoor areas

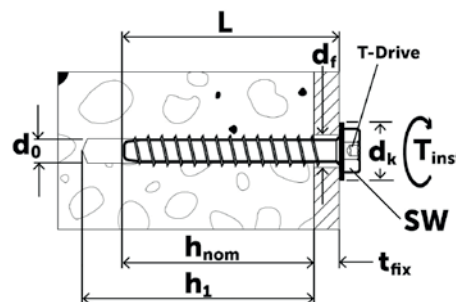
Cross references page

Cleaning brush	279
Blow-out pump	279
Tool belt	277
Hammer drill SDS plus	269

Characteristic values

Type	JC2 6	JC2 8	JC2 10
Fire resistance R30			
Tensile strength N _{Rk,S,fi}	0.24 kN	0.42 kN	1.02 kN
Shear force-carrying capacity (steel failure) V _{Rk,S,fi}	0.24 kN	0.42 kN	1.02 kN
Fire resistance R120			
Tensile strength N _{Rk,S,fi}	0.12 kN	0.21 kN	0.54 kN
Shear force-carrying capacity (steel failure) V _{Rk,S,fi}	0.12 kN	0.21 kN	0.54 kN

Characteristic values	JC2 6	JC2 8	JC2 10
Drive	A/F11/T30	A/F13/T40	AF 15
d ₀	6 mm	8 mm	10 mm
T _{inst}	14 Nm	40 Nm	90 Nm
d _f	9 mm	12 mm	14 mm



EJOT® concrete screw JC2-ST



NEW

L [mm]	t _{fix} [mm]	h _{nom} [mm]	h ₁ [mm]		Order description	Article number
60	5/20	40/55	65/50	100	Concrete screw JC2-ST 6X60/5/20	9 650 071 609
100	45/60	40/55	65/50	50	Concrete screw JC2-ST 6X100/45/60	9 650 071 617

Application range

- Facade scaffolds
- Temporary fastening
- Contact surfaces
- Shelves
- Cable racks
- hand rails
- Battens

Embedment substrates

Approved for

- Cracked concrete
- Non-cracked concrete

Also suitable for

- Pre-stressed hollow core slab
- Bricks
- Solid brick sandstone

Characteristics

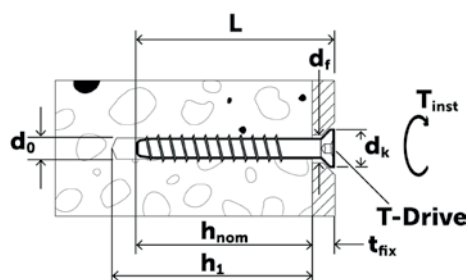
- Galvanized zinc-plated steel
- Countersunk head, Torx drive
- ETA-approved concrete screw for cracked and non-cracked concrete
- Self-tapping approved screw anchor for push-through installation
- No expansion forces, hence small edge and centre distances possible
- Completely removable
- For dry indoor areas

Cross references

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Blow-out pump	279
Tool belt	277
Hammer drill SDS plus	269

Characteristic values	
d _k	14 mm
d ₀	6 mm
T _{inst}	14 Nm
d _f	9 mm

Characteristic values			
Type	JC2 6	JC2 8	JC2 10
Fire resistance R30			
Tensile strength N _{Rk, S, fi}	0.24 kN	0.42 kN	1.02 kN
Shear force-carrying capacity (steel failure) V _{Rk, S, fi}	0.24 kN	0.42 kN	1.02 kN
Fire resistance R120			
Tensile strength N _{Rk, S, fi}	0.12 kN	0.21 kN	0.54 kN
Shear force-carrying capacity (steel failure) V _{Rk, S, fi}	0.12 kN	0.21 kN	0.54 kN



EJOT® concrete screw JC2-IT



L [mm]	t _{fix} [mm]	h _{nom} [mm]	h ₁ [mm]		Order description	Article number
45	5	40	65/50	50	Concrete screw JC2-IT 6X45 M8/M10	9 650 071 504
60	5	40	65/50	50	Concrete screw JC2-IT 6X60 M8/M10	9 650 071 509

NEW

Application range

- Pipe brackets
- Profile rails

Embedment substrates

Approved for

- Cracked concrete
- Non-cracked concrete

Also suitable for

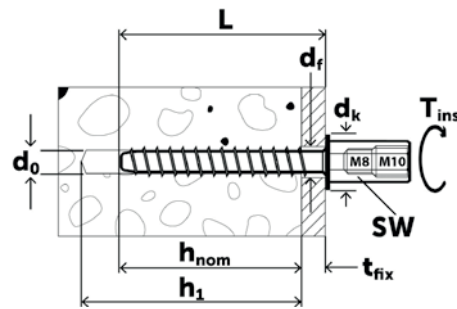
- Pre-stressed hollow core slab
- Bricks
- Solid brick sandstone

Characteristics

- Galvanized zinc-plated steel
- Hexagon head with internal thread M8 / M10
- ETA-approved concrete screw for cracked and non-cracked concrete
- Self-tapping approved screw anchor for push-through installation
- No expansion forces, hence small edge and centre distances possible
- Completely removable
- For dry indoor areas

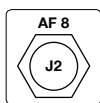
Characteristic values			
Type	JC2 6	JC2 8	JC2 10
Fire resistance R30			
Tensile strength N _{Rk,S,fi}	0.24 kN	0.42 kN	1.02 kN
Shear force-carrying capacity (steel failure) V _{Rk,S,fi}	0.24 kN	0.42 kN	1.02 kN
Fire resistance R120			
Tensile strength N _{Rk,S,fi}	0.12 kN	0.21 kN	0.54 kN
Shear force-carrying capacity (steel failure) V _{Rk,S,fi}	0.12 kN	0.21 kN	0.54 kN

Characteristic values	
d _k	14 mm
d ₀	6 mm
T _{inst}	14 Nm
d _f	9 mm



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EJOT® concrete screw FBS-R-6.3



Cross references		page
Nut socket K-SW8-1/4"x50		273
Cordless screwdriver		
ASCS 6.3		257

Ø [mm]	Length [mm]		Order description	Article number
without sealing washer				
6.3	35	1000	BS-R-6.3x35	5 663 035 512
6.3	45	500	BS-R-6.3x45	5 663 045 512
6.3	100	250	BS-R-6.3x100	5 663 100 512
6.3	120	200	BS-R-6.3x120	5 663 120 512
6.3	140	200	BS-R-6.3x140	5 663 140 512
6.3	160	200	BS-R-6.3x160	5 663 160 512
6.3	180	200	BS-R-6.3x180	5 663 180 512
6.3	200	150	BS-R-6.3x200	5 663 200 512
6.3	220	150	BS-R-6.3x220	5 663 220 512
6.3	240	150	BS-R-6.3x240	5 663 240 512
V16 sealing washer, Ø 16 mm				
6.3	35	1000	BS-R-6.3x35-V16	5 663 035 513
6.3	45	500	BS-R-6.3x45-V16	5 663 045 513
6.3	100	250	BS-R-6.3x100-V16	5 663 100 513
6.3	120	200	BS-R-6.3x120-V16	5 663 120 513
6.3	140	200	BS-R-6.3x140-V16	5 663 140 513
6.3	160	200	BS-R-6.3x160-V16	5 663 160 513
6.3	180	200	BS-R-6.3x180-V16	5 663 180 513
6.3	200	150	BS-R-6.3x200-V16	5 663 200 513
6.3	220	150	BS-R-6.3x220-V16	5 663 220 513
6.3	240	150	BS-R-6.3x240-V16	5 663 240 513

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

Subsequent fixing of rain screens

EJOT® KERI anchor

Perfect refurbishment of three-layer exterior walls

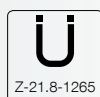
- ⦿ KERI rain screen anchor made of A4 stainless steel
- ⦿ Easy and quick assembly
- ⦿ Vertical load transfer of existing building fabric
- ⦿ Vertical load transfer of the new facade system
- ⦿ High anchor-carrying capacity
- ⦿ Smallest edge and centre distances



YouTube

Video of a core drill hole
on YouTube:

http://youtu.be/c_Wtkr_aCy0



www.ejot.com/construction


EJOT®



Dry wall construction

Anchors and plugs

MOLA dry wall anchor

Length [mm]		Order description	Article number
45	50	MOLA 6/13	9 650 075 710
72	50	MOLA 6/26	9 650 075 711

Application range

- Solid metal anchor with arms spreading out and resting firmly on the back of the plate
- Suitable for fastening heavier loads according to the characteristics of the plate material
- Suitable for areas where fire resistance is required

Characteristics

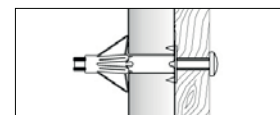
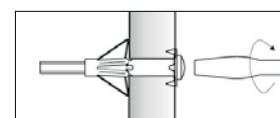
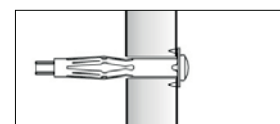
- Steel, galvanized zinc-plated
- The attached part can be removed and replaced by loosening the screw
- Attach the anchor using a screwdriver or with the Mola special gripper (Art. No.: 9 650 079 101)
- For dry indoor areas and outdoor areas for limited periods.

Characteristic values MOLA 6/13

Drill hole diameter d_o	12 mm
Max. clamp thickness T_{fix}	13 mm

Characteristic values MOLA 6/26


Drill hole diameter d_o	12 mm
Max. clamp thickness T_{fix}	21 mm



Cross references	page
MOLA tongs	278

Dry wall plug KLA



Length [mm]		Order description	Article number
31	100	Dry wall anchor KLA metal	9 650 075 920

Application range

- Self-tapping fast anchor for fastening in drywall
- Fireproof self-tapping anchor for standard-, double and composite walls made of plasterboard
- For fastening electrical installations, for example

Installation note

- To fasten plasterboards and plasterboard double walls, pre-drill with an 8 mm drill

Characteristic values

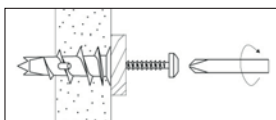
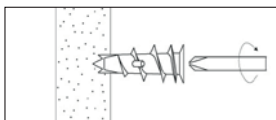
Max. clamp thickness T_{fix}	12 mm
Min. sheet thickness $T_{sheet, min}$	9 mm

Characteristics


- Steel, galvanized zinc-plated
- The fastest method for fastening lightweight objects. No special tools required, a PZ2 screwdriver suffices. Attach flush with the board surface, do not over-tighten
- Equipped with a 4.5x35 mm screw, ZP. Can also be used with other self-tapping wood and chipboard screws, hook bolts and eyelets screws.
- For dry indoor areas and outdoor areas for limited periods

Cross references

	page
Bit PZ2-1/4"/Cx25	272



GRIPPER all wall plug

$\varnothing d_0$ [mm]	Length L [mm]	Concrete $h_1 \geq$ [mm]		Order description	Article number
6	32	38	100	Gripper 6 all wall plug	9 650 075 232
8	38	44	50	Gripper 8 all wall plug	9 650 075 234
10	45	50	50	Gripper 10 all wall plug	9 650 075 236

Application range

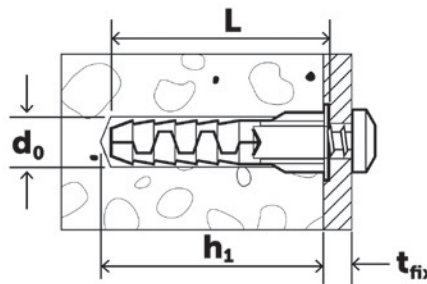
- Plastic plug for the installation in concrete, expanded and aerated concrete, structural panels and cavity wall constructions

Characteristics

- Plug made of thermoplastic elastomer
- Can be used with the most common screw types

Benefits

- Firm grip ensures reliable hold
- Stable fins on the plug head prevent rotation during assembly
- Micro collar keeps the anchor in the optimal installation depth
- Mechanical closure of the hinge holds even if the screw is not tightened until end stop.



-  Self-drilling screws
- Facade screws (rear-ventilated facades)
- Direct assembly
- Self-tapping screws
- Orkan storm washers
- Rivets
- Fasteners for solar/photovoltaic
- Scaffolding anchors
- Pipe flashings
- Flat roof fasteners
- Anchor technology
- Installation technology
- Dry wall construction**
- Accessories
- Machinery Spare parts Tools
- 



Accessories

Sealing washers, seal strips & Co.

EJOT® shearing load washer VS

external Ø [mm]	internal Ø [mm]		Order description	Article number
29	6.7	100	VS-29 shearing load washer	3 010 000 003




Application range

- For use with EJOT® screws JZ, JA, JT
- Zinc-plated steel
- Metal thickness 4 mm

Properties

EJOT® AS spacer

Thick-ness [mm]		Order description	Article number
3	100	AS-3	8 600 725 700
5	100	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

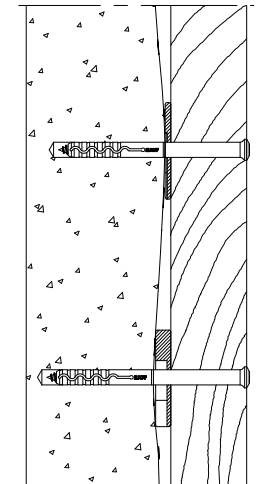
- To compensate for tolerances on wall and roof

Characteristics

- Plastics
- All-purpose for anchor diameters of 6/8/10 mm
- Easy installation through clipping-on from the side
- Variable combinations

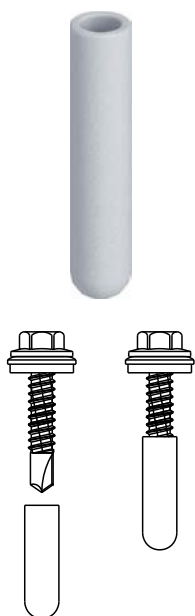
Technical Specifications

Dimensions	50 x 50 mm
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Cross references **page**

Facade anchors	199
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EJOT® thread protection sleeve

internal Ø [mm]	Length [mm]		Order description	Article number
transparent				
3.0	10	1,000	Thread protection sleeve 3.0x10 transparent	8 200 010 700
3.5	10	1,000	Thread protection sleeve 3.5x10 transparent	8 200 011 700
4.0	10	1,000	Thread protection sleeve 4.0x10 transparent	8 200 012 700
4.5	10	1,000	Thread protection sleeve 4.5x10 transparent	8 200 013 700
4.5	25	1,000	Thread protection sleeve 4.5x25 transparent	8 200 043 700
5.0	10	1,000	Thread protection sleeve 5.0x10 transparent	8 200 014 700
5.5	10	1,000	Thread protection sleeve 5.5x10 transparent	8 200 015 700
RAL 9002 (grey-white)				
3.0	10	1,000	Thread protection sleeve 3.0x10 RAL 9002	8 200 020 700
3.5	10	1,000	Thread protection sleeve 3.5x10 RAL 9002	8 200 021 700
4.0	10	1,000	Thread protection sleeve 4.0x10 RAL 9002	8 200 022 700
4.5	10	1,000	Thread protection sleeve 4.5x10 RAL 9002	8 200 023 700
4.5	25	1,000	Thread protection sleeve 4.5x25 RAL 9002	8 200 053 700
4.5	35	1,000	Thread protection sleeve 4.5x35 RAL 9002	8 200 054 700
5.0	10	1,000	Thread protection sleeve 5.0x10 RAL 9002	8 200 024 700
5.5	10	1,000	Thread protection sleeve 5.5x10 RAL 9002	8 200 025 700

Application range

- 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	4.0x10
JZ...-6.3	5.5x10
JA...-6.5	5.5x10

ISO-BLOCO 300

Dimension joint depth x width [mm]	Box content [Rolls]	Metres per roll [m]	 [m]	Order description	Article number
10 / 1-4	30	13.0	390	ISO-BLOCO 300 10 / 1-4	0 030 010 104
15 / 1-4	20	13.0	260	ISO-BLOCO 300 15 / 1-4	0 030 015 104
15 / 2-6	20	12.0	240	ISO-BLOCO 300 15 / 2-6	0 030 015 206
15 / 4-9	20	8.0	160	ISO-BLOCO 300 15 / 4-9	0 030 015 409
20 / 1-4	15	13.0	195	ISO-BLOCO 300 20 / 1-4	0 030 020 104
20 / 2-6	15	12.0	180	ISO-BLOCO 300 20 / 2-6	0 030 020 206
20 / 4-9	15	8.0	120	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.



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.

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

Benefits

- Complies with the DIN 18542 BG 2
- Seals against wind, dust and driving rain
- Permanently elastic with long-term movement absorption
- Vapour diffusion permeable
- Thermal and acoustic insulation
- Can be painted over with standard emulsion paints
- Good adhesive properties, to aid installation
- Constant quality control according to DIN standards, with regular controls from independent institutions



Self-drilling screws

Facade screws (rear-ventilated facades)

Direct assembly

Self-tapping screws

Orkan storm washers

Rivets

Fasteners for solar/ photovoltaic

Scaffolding anchors

Pipe flashings

Flat roof fasteners

Anchor technology

Installation technology

Dry wall construction


Accessories

Machinery Spare parts Tools





ISO-BLOCO 600

Dimension joint depth x width [mm]	Box content [Rolls]	Metres per roll [m]	 [m]	Order description	Article number
15 / 1-4	20	13.0	260	ISO-BLOCO 600 15 / 1-4	0 060 015 104
15 / 2-6	20	12.0	240	ISO-BLOCO 600 15 / 2-6	0 060 015 206
15 / 4-9	20	8.0	160	ISO-BLOCO 600 15 / 4-9	0 060 015 409
20 / 1-4	15	13.0	195	ISO-BLOCO 600 20 / 1-4	0 060 020 104
20 / 2-6	15	12.0	180	ISO-BLOCO 600 20 / 2-6	0 060 020 206
20 / 4-9	15	8.0	120	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.

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.

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 elements made of concrete and other material
- Solid, timber and dry wall construction
- Window installation

Benefits

- Complies with the DIN 18542 BG 1
- 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 movement absorption
- 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 according 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).

ISO-Zell PE Tape

Dimensions [mm]	Box content [Rolls]	Metres per roll [m]	 [m]	Order description	Article number
2 x 20	120	20.0	2,400	ISO-ZELL 2 x 20	0 070 020 020
3 x 30	50	20.0	1,000	ISO-ZELL 3 x 30	0 070 030 030
3 x 50	25	20.0	500	ISO-ZELL 3 x 50	0 070 030 050

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.

Application range

For sealing, damping, insulating and cushioning in the areas of

- 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

Benefits

- Flexible
- Fine pored
- Water repellent
- High ageing resistance
- Environmentally friendly – chemically neutral



Self-drilling screws

Facade screws (rear-ventilated facades)

Direct assembly

Self-tapping screws

Orkan storm washers

Rivets

Fasteners for solar/ photovoltaic

Scaffolding anchors

Pipe flashings

Flat roof fasteners

Anchor technology

Installation technology

Dry wall construction

Accessories

Machinery Spare parts Tools





ISO profile filler strips

Profile	Stiffening corrugation		Order description	Article number
22 / 214 large	large	1	22 / 214 large	0 080 022 214
22 / 214 small	small	1	22 / 214 small	0 080 122 214
35 / 207 large	large	1	35 / 207 large	0 080 035 207
35 / 207 small	small	1	35 / 207 small	0 080 135 207
39 / 333 large	large	1	39 / 333 large	0 080 039 333
39 / 333 small	small	1	39 / 333 small	0 080 139 333
45 / 333 large	large	1	45 / 333 large	0 080 045 333
45 / 333 small	small	1	45 / 333 small	0 080 145 333
50 / 250 large	large	1	50 / 250 large	0 080 050 250
50 / 250 small	small	1	50 / 250 small	0 080 150 250
Fischer DL 40 / 333 large	large	1	Fischer DL 40 / 333 large	0 080 140 333
ROMA 42 / 333 large	large	1	ROMA 42 / 333 large	0 080 042 333
Brucha 42 / 333 large	large	1	Brucha 42 / 333 large	0 080 142 333
Kingspan 35 / 333 large	large	1	Kingspan 35 / 333 large	0 080 035 333
Thyssen 35 / 333 large	large	1	Thyssen 35 / 333 large	0 080 135 333
Lattonedil 37 / 200 large	large	1	Lattonedil 37 / 200 large	0 080 037 200
Corrugated sheet 18 / 76	-	1	Corrugated sheet 18 / 76	0 080 001 876
Corrugated sheet 30 / 130	-	1	Corrugated sheet 30 / 130	0 080 030 130
Corrugated sheet 55 / 177	-	1	Corrugated sheet 55 / 177	0 080 055 177

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.

Application range

- Reliable and permanent sealing of trapezoidal and corrugated metal sheeting
- Sound and thermal insulation
- Roofing applications (roof ridge, eaves)
- Facade (parapet connections)

Technical Specifications

Strength	30 mm
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Benefits

- 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





Self-drilling screws

Facade screws (rear-ventilated facades)

Direct assembly

Self-tapping screws

Orkan storm washers

Rivets

Fasteners for solar/ photovoltaic

Scaffolding anchors

Pipe flashings

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Anchor technology

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Dry wall construction

Accessories

Machinery Spare parts Tools





Machinery

Installation tools, spare parts and tooling equipment



Machinery
from page 256



Installation tools
from page 265



Tools
from page 268



Self-drilling screws

Facade screws (rear-ventilated facades)

Direct assembly

Self-tapping screws

Orkan storm washers

Rivets

Fasteners for solar/ photovoltaic

Scaffolding anchors

Pipe flashings

Flat roof fasteners

Anchor technology

Installation technology

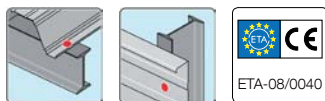
Dry wall construction

Accessories

Machinery Spare parts Tools



Shot firing tool P 560

**Included in delivery**

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

Cross references**page**

- Cartridges 109
- Tie pins HSB R 14 109

Order description		Article number
Shot firing tool P 560	1	9 600 013 891

Accessories

Order description		Article number
Barrel P560	1	9 600 014 139
Thrust piston P 560	1	9 600 014 137
Compressed ring P560	1	9 600 014 136
Cleaning set P560	1	9 600 074 000
Spray oil can 35 ml P560	1	9 600 310 080
Protective goggles P560	1	9 600 011 117

Application range

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

Benefits

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


Characteristics

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

Technical Specifications


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

Cordless metal screwdriver ASCS 6.3 Select

Order description		Article number
Cordless screwdriver ASCS 6.3 Select	1	9 150 200 003



Accessories

Order description		Article number
Depth control sleeve	1	9150508100
Adapter for sealing washers ≤ Ø 16 mm	1	9150508016
Adapter for sealing washers ≤ Ø 22 mm	1	9150508022
Long screw support SH2 incl. socket holder and SW8 socket	1	9150508111
Socket AF 8 - 1/4" x 25	1	9150315000
Adapter for sealing washers ≤ Ø 22 mm	1	9151701029
Adapter for FZ sealing washers ≤ Ø 25 mm	1	9151701129

Included in delivery
 1 ASCS 6.3 (without battery pack or battery charger)
 1 plastic tool case
 1 scaffolding anchor
 1 depth control
 1 socket for hexagon screws A/F8

Cross references **page**
 Nut socket K-SW8-1/4"x50 273
 Nut socket K-SW3/8"-1/4"x50 . 273
 FR Tool 274
 LT Tool 275
 A/F8 VARIO Tool 276

Application range

- Torque optimised cordless screwgun for fixing metal with screw diameters of up to 6.3 mm


Characteristics

- 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 Specifications

Battery voltage	18 V
Load speed	0-1500 rpm
Idle speed	0-1700 rpm
Max. torque (hard/soft)	30/10 Nm
Quick change chuck	1/4"
Screws	Ø 6.3 mm
Battery pack	X

Battery packs and chargers

Order description		Article number
Battery Starter-Set 18V / 2.5 Ah*	1	9 154 200 014
Battery Starter-Set 18V / 5.0 Ah*	1	9 154 200 015
Rapid charger ALG 50	1	9 152 200 006
Rapid charger ALG 30	1	9 154 200 006
Battery pack 18V / 2.5 Ah	1	9 154 200 004
Battery pack 18V / 5.0 Ah	1	9 154 200 005

*Every Starter-Set includes two Li-Ion batteries and a battery charger



**Included in delivery**

- 1 cordless screwgun (without battery pack or battery charger)
- 1 grip
- 1 removable full metal drill chuck
- 1 plastic tool case

4-gear cordless screwgun ASCM 18 QX Select

Order description		Article number
Cordless screwdriver ASCS 18 QM Select	1	9 150 340 000

Accessories

Order description		Article number
Bit holder ASCM 18 QM (for bits with drive 1/4")	1	9 150 340 001
Socket adapter ASCM 18 QM (external square drive 1/2")	1	9 150 340 002

Application range

- Powerful cordless screwgun
- Lightweight and extremely high endurance (18V/4Ah)

Characteristics

- 4-gear full metal gear unit
- Brushless FEIN PowerDrive motor with 30% higher degree of efficiency
- Lithium-Ion battery with FEIN SafetyCell Technology. A separate communication line protects battery and tools from overloading.
- 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
- 1 800 fixings with only one battery charge
- Fastens 10 x 400 mm screws without pre-drilling
- High torques up to 90 Nm
- Hard-metal clamping jaws hold round drill shafts extremely reliable

Technical Specifications

Battery voltage	18 V
Motor	Brushless
gear	4-gear
Idle speed	400 / 800 / 1 950 / 3 850 rpm
Max. torque (hard/soft)	90/46 Nm
Torque steps	15 + 1
Drill chuck clamping range	1.5 - 13 mm
Screws	10 x 400 mm
Drill Ø timber	50 mm
Drill Ø steel	13 mm
Battery pack	X


Battery packs and chargers

Order description		Article number
Battery Starter-Set 18V / 2.5 Ah*	1	9 154 200 014
Battery Starter-Set 18V / 5.0 Ah*	1	9 154 200 015
Rapid charger ALG 50	1	9 152 200 006
Rapid charger ALG 30	1	9 154 200 006
Battery pack 18V / 2.5 Ah	1	9 154 200 004
Battery pack 18V / 5.0 Ah	1	9 154 200 005


*Every Starter-Set includes two Li-Ion batteries and a battery charger



Battery-powered nibbler ABLK 18 1.6 E Select

Order description		Article number
Battery-powered nibbler ABLK 18 1.6 E Select	1	9 150 400 000

Accessories

Order description		Article number
Die for ABLK 1.6 E	1	9 152 400 001
Punch for ABLK 1.6 E (pack of five)	5	9 152 400 002
Die-plate carrier for ABLK 1.6 E	1	9 152 400 007
Profile set 160 ABLK 1.6 E	1	9 152 400 003
Die for profile set 160 ABLK 1.6 E	1	9 152 400 004
Punch guiding for profile set 160 for ABLK 1.6 E	1	9 152 400 010
Punch for profile set 160 ABLK 1.6 E	1	9 152 400 005
Wear plate for profile set 160 ABLK 1.6 E	1	9 152 400 006
Pan head screw for Profile set 160 ABLK 1.6 E	1	9 559 954 006

Application range

- Compact nibbler suitable for bends for roof and facade construction
- Precise cuts in trapezoidal and corrugated sheets as well as profiles

Characteristics


- Cutting performance 40 m in 0.8 mm trapezoidal profiled sheet with one battery
- 1.5 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
- Light weight
- QuickIN quick change system of plate and die
- Rotating die for up to 30 % longer service life

- In 45° steps variable by 360° adjustable cutting direction due to no-tool rotatable die-plate support
- Proven MultiMaster Motor with outstanding performance and service life
- Low operating costs. Die and die-plate are exchanged independently.

Technical Specifications

Battery voltage	18 V
Stroke rate	1 300 rpm
Cutting speed	1.5 m/min
Weight without battery	1.6 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	22 mm
Radius of the smallest curve (inside/outside)	30/35 mm
Battery pack	X

Battery packs and chargers

Order description		Article number
Battery Starter-Set 18V / 2.5 Ah*	1	9 154 200 014
Battery Starter-Set 18V / 5.0 Ah*	1	9 154 200 015
Rapid charger ALG 50	1	9 152 200 006
Rapid charger ALG 30	1	9 154 200 006
Battery pack 18V / 2.5 Ah	1	9 154 200 004
Battery pack 18V / 5.0 Ah	1	9 154 200 005

*Every Starter-Set includes two Li-Ion batteries and a battery charger



Included in delivery

- 1 ABLK 18 1.6 E (without battery pack or battery charger)
- 1 plastic tool case





Included in delivery

- 1 Nibbler BLK 2.0 E
- 1 die-plate carrier
- 1 die
- 1 punch
- 1 plastic tool case

Nibbler BLK 2.0 E

Order description		Article number
Nibbler BLK 2.0 E	1	9 559 920 000

Accessories

Order description		Article number
Die for BLK 2.0 E	1	9 559 920 001
Punch for BLK 2.0 E	1	9 559 920 002

Application range

- Compact nibbler with unlimited curve mobility for corners and edges
- Up to 2.0 mm

Characteristics


- 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 Specifications

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



Cordless slitting shears ABBS 18 1.6 E Select

Order description		Article number
Cordless slitting shears ABBS 18 1.6 E Select	1	9 150 350 000

Accessories

Order description		Article number
Cutting dies ABSS 1.6 CE	1	9 559 966 005
Cutting knife for sheet steel up to 400 N/mm ² ABSS 1.6 CE	1	9 559 966 007

Application range

- Handy slitting shears, suitable for bends for metals and non-metals

Characteristics

- Fast work progress due to excellent view of the cut through open cutting head
- Left and right curved cut, as well as distortion-free cutting possible with just one continuous chip
- QuickIN quick-change system for fast, key-free blade change without adjustment
- Excellent ergonomics and low weight
- Motor with outstanding performance and service life
- Cutting blade with excellent service life
- Cutting capacity with one battery charge 120 m
- Clean swarf removal prevents scratching on the work piece and injuries

Technical Specifications


Battery voltage	18 V
Stroke rate	2 000 - 3 500 rpm
Cutting speed	5 - 8 m/min
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
Battery pack	X

¹ with curve knife

Included in delivery

- 1 Cordless slitting shears ABBS 18 1.6 E (without battery pack or battery charger)
- 1 plastic tool case

Battery packs and chargers

Order description		Article number
Battery Starter-Set 18V / 2.5 Ah*	1	9 154 200 014
Battery Starter-Set 18V / 5.0 Ah*	1	9 154 200 015
Rapid charger ALG 50	1	9 152 200 006
Rapid charger ALG 30	1	9 154 200 006
Battery pack 18V / 2.5 Ah	1	9 154 200 004
Battery pack 18V / 5.0 Ah	1	9 154 200 005

*Every Starter-Set includes two Li-Ion batteries and a battery charger





Included in delivery
 1 jigsaw
 2 packages saw blades
 1 chip protection
 1 plastic tool case

Jigsaw ASte 638

Order description		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
- Up to 10 mm steel / 60 mm timber

Characteristics

- 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 Specifications

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

Jigsaw blades



Length [mm]	max. cutting power [mm]				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.

Application range

- for metal and sandwich material

Cutting edge

Order description		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 Specifications

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.



EJOT® battery riveter ECORIV ONE

Order description	Number of batteries	Battery capacity [Ah]		Article number
EJOT battery riveter ECORIV ONE	2	1.5	1	9 150 490 102


Order information: ECORIV TWO upon request.



Included in delivery
 1 battery riveter ECORIV ONE
 4 retention nosepieces
 2 batteries 1.5 Ah
 1 rapid charger 220 V
 1 installation wrench
 1 plastic transport box L-Boxx

Cross references **page**
 Rivets 131

Accessories

Order description		Article number
EJOT battery for ECORIV ONE 14.4 V / 1.5 Ah	1	9 150 490 115
EJOT rapid charger 220 V for ECORIV ONE type C	1	9 150 490 116
EJOT nosepiece Bulbtite ECORIV ONE 5.2 mm	1	9 150 490 127
EJOT retention nosepiece ECORIV ONE 2.4 mm	1	9 150 490 120
EJOT retention nosepiece ECORIV ONE 3.0+3.2 mm	1	9 150 490 117
EJOT retention nosepiece ECORIV ONE 4.0 mm	1	9 150 490 119
EJOT retention nosepiece ECORIV ONE 4.8+5.0 mm	1	9 150 490 118
EJOT facade nosepiece ECORIV ONE 5.0 K11	1	9 150 490 132
EJOT facade nosepiece ECORIV ONE 5.0 K14	1	9 150 490 133
EJOT facade nosepiece ECORIV ONE 5.0 K16	1	9 150 490 134

Order information: Standard and special nosepieces upon request.

Application range

- For blind rivets made of aluminium, steel, copper and stainless steel up to Ø 5.0 mm
- For bulbtite rivets up to Ø 5.2 mm

Benefits

- Weight only 1.87 kg
- Transparent mandrel container
- Powerful Li-Ion batteries with charge indicator
- Riveting point illuminated by LEDs
- Delivery with retention nosepieces for rivets 2.4 mm, 3.0/3.2 mm, 4.0 mm und 4.8/5.0 mm
- High-quality rapid charger
- Prolonged front sleeves are optional
- Special nosepieces are optional

Technical Specifications

Working stroke	21 mm
Tensile force	10,000 N
Max. pin diameter	3.4 mm
Battery capacity 1.5 Ah	Up to 2,000 pcs. Rivets per battery charge depend on type and material
Charging time of battery 1.5 Ah	< 1 hour
Weight of riveting tool	1.54 kg
Weight of battery 14.4 V / 1.5 Ah	0.33 kg
Height (without battery)	approx. 24 cm
Length (incl mandrel container)	approx. 28 cm



Retention nose pieces prevent the falling out of the rivets in a vertical position.



Robust, transparent mandrel container



High-quality rapid charger Charging time < 1 hour



Visual charge indicator on each battery.



Excellent ergonomics, low eight, rubber-covered handle



Riveting point illuminated by LEDs



Powerful Li-Ion push-on battery with 1.5 Ah



L-Boxx®
 Innovative packaging. ECORIV ONE is delivered in the SORTIMO L-Boxx system.



Included in delivery

- 1 battery riveter ECORIV TWO
- 4 retention nosepieces
- 2 batteries 2.0 Ah
- 1 rapid charger 220 V
- 1 installation wrench
- 1 plastic transport box L-Boxx

Cross references

Rivets page 131

EJOT® battery riveter ECORIV TWO

Order description	Number of batteries	Rechargeable battery capacity [Ah]	PU	Price/1 [EUR]	Article number
EJOT battery riveter ECORIV TWO	2	2.0	1	-	9 150 490 104

Accessories

Order description	PU	Price/1 [EUR]	Article number
EJOT rechargeable battery for ECORIV TWO 20V / 2.0 Ah	1	-	9 150 490 125
EJOT rapid charger 220 V for ECORIV TWO type C	1	-	9 150 490 126
EJOT nose piece Bulbtite ECORIV TWO 5.2 mm	1	-	9 150 490 128
EJOT retention nose piece ECORIV TWO 4.0mm	1	-	9 150 490 121
EJOT retention nose piece ECORIV TWO 4.8 + 5 mm	1	-	9 150 490 122
EJOT retention nose piece ECORIV TWO 6.0mm	1	-	9 150 490 123
EJOT retention nose piece ECORIV TWO 6.4mm	1	-	9 150 490 124
EJOT nose piece for facades ECORIV TWO 5.0 K11	1	-	9 150 490 135
EJOT nose piece for facades ECORIV TWO 5.0 K14	1	-	9 150 490 136
EJOT nose piece for facades ECORIV TWO 5.0 K16	1	-	9 150 490 137

Order information: standard nosepieces upon request

Application range

- For high-strength blind rivets made of all materials up to Ø 6.4 mm
- For bulbtite rivets up to Ø 6.3 mm

Technical Specifications

Working stroke	30 mm
Tensile force	20,000 N
Max. pin diameter	4.8 mm
Battery capacity 2.0 Ah	Up to 2,000 pcs. Rivets per battery charge depend on type and material
Charging time of battery 2.0 Ah	(ca. 30 minutes)
Weight incl. battery 2.0 Ah	2.0 kg
Height (without battery)	approx. 24 cm
Length (incl mandrel container)	approx. 31 cm

Benefits

- Weight only 1.99 kg
- Brushless engine
- Transparent mandrel container
- Electronic safety switch for mandrel container
- Safety cap for usage without mandrel container
- Manual and automated operation modes
- Powerful Li-Ion batteries with charge indicator (2.0 Ah)
- Riveting point illuminated by LEDs
- Delivery with retention nosepieces for rivets 4.0 mm, 4.8/5.0 mm, 6.0 mm and 6.4 mm
- High-quality rapid charger



Retention nose pieces prevent the falling out of the rivets in a vertical position.



Robust, transparent mandrel container



High-quality rapid charger Charging time < 30 minutes



External visual charge indicator on each battery.



Excellent ergonomics, low eight, rubber-covered handle



Riveting point illuminated by LEDs



Powerful Li-Ion push-on battery with 2.0 Ah




L-BOXX®
Innovative packaging. ECORIV TWO is delivered in the SORTIMO L-Boxx system.

EJOT® installation tool ECOSET HTK

Order description	Weight [kg]		Article number
EJOT installation tool ECOSET HTK (18-V drive)	24.0	1	9 153 500 000

Accessories

Order description		Article number
Bit PH 2 - M6 x 35	1	9 250 612 000
Transport box	1	9 151 506 000
Spray oil 100 ml	1	9 150 911 000
Cartridge holder for ECOset-HTK	1	9 151 510 074
Battery pack 18V / 5.0 Ah	1	9 154 200 005
Rapid charger ALG 30	1	9 154 200 006

Application range

- For safe, fast and efficient installation of EJOT® HTK 2G stress plates with EJOT Dabo® screws TKR, TKE and VHT-R

Benefits

- 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)

Characteristics

- 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

Notice

HTK 2G stress plates can be processed up to 145 mm in length

Technical Specifications

Battery voltage	18 V
Load speed	0-1500 rpm
Idle speed	0-1700 rpm
Max. torque (hard/soft)	30/10 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.



POWERED BY

FEIN. Unverwüstliche Elektrowerkzeuge.



Included in delivery

- 1 installation tool (includes screwgun and H2-M6x35 mm bit)
- 1 spare battery
- 1 tool kit
- 1 operating manual

Cross references

	page
Stress plate HTK 2G.....	190
Bit PH 2 - 1/4" x 200	272



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POWERED BY

FEIN. Unverwüstliche
Elektrowerkzeuge.



Included in delivery

1 installation tool
(incl. screwgun, socket/bit and
depth control)
1 tool kit
1 spray oil
1 operating manual

Cross references **page**

Stress plate HTV 82/40 181
Stress plate HTE 82/40 182
Stress plate HTV 82/40 TK 183
Dabo® screw AF 8 RT-4.8 168
Dabo® screw AF 8 RT-4.8 169
Dabo® screw TKR-4.8 170
Dabo® screw TKE-4.8 171



EJOT® installation tool ECOSSET

Order description		Article number
EJOT installation tool ECOSSET (18-V drive)	1	9 153 100 000

Accessories

Order description		Article number
Socket A/F8-1/4"x30	1	9 150 315 001
Bit PH 2 - 1/4" x 30	1	9 150 006 000
Transport box	1	9 151 106 000
Spray oil 100 ml	1	9 150 911 000
Battery pack 18V / 5.0 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

Benefits

- 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

Characteristics

- 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 Specifications

Battery voltage	18 V
Load speed	0-1500 rpm
Idle speed	0-1700 rpm
Max. torque (hard/soft)	30/10 Nm



Precision drill bit HSS

Length [mm]	Rotation speed rpm		Order description	Article number
Ø 4.1 mm				
55	1000	10	S 4,1/55 drill bit	9 250 405 000
Ø 4.5 mm				
60	900	10	S 4,5/60 drill bit	9 250 434 000
175	900	10	S 4,5/175 drill bit	9 250 436 000
235	900	10	S 4,45/235 drill bit	9 250 450 235
295	900	10	S 4,5/295 drill bit	9 250 450 295
Ø 5.0 mm				
60	900	10	Drill bit S 5,0/60	9 250 409 000
125	900	10	S 5,0/125 drill bit	9 250 411 000
220	900	10	S 5,0/220 drill bit	9 250 413 000
250	900	10	S 5,0/250 drill bit	9 250 414 000
Ø 5.1 mm				
62	900	10	S 5,1/62 drill bit	9 250 439 000
Ø 5.3 mm				
60	800	10	S 5,3/60 drill bit	9 250 415 000
125	800	10	S 5,3/125 drill bit	9 250 417 000
220	800	10	S 5,3/220 drill bit	9 250 419 000
290	800	10	S 5,3/290 drill bit	9 250 438 000
Ø 5.5 mm				
65	750	10	S 5,3/65 drill bit	9 250 420 000
125	750	10	S 5,5/125 drill bit	9 250 422 000
220	750	10	S 5,5/220 drill bit	9 250 423 000
290	750	10	S 5,5/290 drill bit	9 250 424 000
Ø 5.7 mm				
65	700	10	S 5,7/65 drill bit	9 250 425 000
125	700	10	S 5,7/125 drill bit	9 250 427 000
220	700	10	S 5,7/220 drill bit	9 250 429 000
290	700	10	S 5,7/290 drill bit	9 250 433 000
Ø 6.8 mm				
75	600	10	S 6,8/75 drill bit	9 250 430 000
225	600	10	S 6,8/225 drill bit	9 250 510 000
325	600	10	S 6.8/325 drill bit	9 250 680 325
Ø 7.0 mm				
125	600	10	S 7,0/125 drill bit	9 250 499 000
225	600	10	S 7,0/225 drill bit	9 250 493 000
325	600	10	S 7.0/325 drill bit	9 250 700 325
Ø 7.2 mm				
125	600	10	S 7,2/125 drill bit	9 250 504 000
225	600	10	S 7,2/225 drill bit	9 250 494 000
325	600	10	S 7.2/325 drill bit	9 250 720 325
Ø 7.4 mm				
125	600	10	S 7,4/125 drill bit	9 250 506 000
225	600	10	S 7,4/225 drill bit	9 250 497 000
325	600	10	S 7.4/325 drill bit	9 250 740 325


Application range

- For structural steel

Properties

- Form S

Universal drill SDS plus®

Effective length [mm]	Total length [mm]		Order description	Article number
Ø 10 mm				
100	160	1	SDS-plus universal drill 10/160	9 200 000 063
200	260	1	SDS-plus universal drill 10/260	9 200 000 064

Application range


- Materials for rotary drilling

Technical Specifications

Drive	SDS plus®
-------	-----------



Hammer drill SDS plus®

Effective length [mm]	Total length [mm]		Order description	Article number
Ø 5.0 mm				
100	160	1	4 edge SDS-plus 5x160	9 210 005 160
200	260	1	4 edge SDS-plus 5x260	9 210 005 060
350	410	1	4 edge SDS-plus 5x410	9 210 005 350
Ø 6.0 mm				
100	160	1	4 edge SDS-plus 6x160	9 210 006 160
200	260	1	4 edge SDS-plus 6x260	9 210 006 260
Ø 8.0 mm				
100	160	1	4 edge SDS-plus 8x160	9 210 008 160
200	260	1	4 edge SDS-plus 8x260	9 210 008 260
300	360	1	4 edge SDS-plus 8x360	9 210 008 360
540	600	1	4 edge SDS-plus 8x600	9 210 008 600
Ø 10.0 mm				
100	160	1	4 edge SDS-plus 10x160	9 210 010 160
200	260	1	4 edge SDS-plus 10x260	9 210 010 260
300	360	1	4 edge SDS-plus 10x360	9 210 010 360
400	460	1	4 edge SDS-plus 10x460	9 210 010 460
Ø 12.0 mm				
100	160	1	4 edge SDS-plus 12x160	9 210 012 160
200	260	1	4 edge SDS-plus 12x260	9 210 012 260
Ø 14.0 mm				
100	160	1	4 edge SDS-plus 14x160	9 210 014 160
200	260	1	4 edge SDS-plus 14x260	9 210 014 260
250	310	1	4 edge SDS-plus 14x310	9 210 014 310
400	450	1	4 edge SDS-plus 14x450	9 210 014 450
Ø 16.0 mm				
100	160	1	4 edge SDS-plus 16x160	9 210 016 160
200	260	1	4 edge SDS-plus 16x260	9 210 016 260

Application range

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

Technical Specifications

Drive	SDS plus®
-------	-----------

Benefits

- Also for use in reinforced concrete





Hammer drill A cone

Ø [mm]	Effective length [mm]	Total length [mm]		Order description	Article number
5.0	100	160	1	Hammer drill A cone 5x160	9 200 050 160
6.0	100	160	1	Hammer drill A cone 6x160	9 200 060 160

Application range

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

Cross references page

Drill extension 270

Drill extension

Total length [mm]		Order description	Article number
500	1	Drill bit extension SDS 500 mm	9 151 950 000
-	3	EJOT drillX spare parts kit	9 151 950 003

Application range

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

Technical Specifications


Drive	SDS plus®
-------	-----------



Cross references page

Hammer drill A cone 270

Duster Expert SDS plus®

Width [mm]	Length [mm]		Order description	Article number
Ø 8.0 mm				
150	270	1	Duster Expert SDS plus 8x150x270	9 250 815 270
Ø 10.0 mm				
150	270	1	Duster Expert SDS plus 10x150x270	9 251 015 270
Ø 12.0 mm				
200	320	1	Duster Expert SDS plus 12x200x320	9 251 220 320
Ø 14.0 mm				
250	370	1	Duster Expert SDS plus 14x250x370	9 251 425 370
Ø 16.0 mm				
250	370	1	Duster Expert SDS plus 16x250x370	9 251 625 370
Ø 20.0 mm				
250	370	1	Duster Expert SDS plus 20x250x370	9 252 025 370

Application range

- concrete
- Aerated concrete
- Granite
- Sand-lime brick
- Clinker brick
- Aerated concrete
- Marble
- Masonry
- Stone

Characteristics

- Anti-dust drill bit for drilling and cleaning in one step

Advantages

- Dust is removed directly in the drill hole
- Simple usage and reliable anchor installation: Removes dust almost completely - subsequent cleaning of the drill hole is redundant
- Cheap solution for the end user: Saves time during drill hole and / or environment cleaning
- Same robustness and comparable performance as a standard drill
- Universal and flexible usage with SDS-plus hammers and commercial vacuum cleaners

Technical Specifications

Drive	SDS plus®
-------	-----------




Recommended performance features for vacuum cleaners

- Industrial vacuum cleaner class M
- Hose length up to 5 m
- Performance $P \geq 1,400$ W
- Volume flow rate $v \geq 40$ l/sec
- Reduced pressure $p \geq 230$ mbar
- automatic clean filter






Hexagon /Cross recess bit

Drive and Size	Length [mm]		Order description	Article number
Drive: 1/4" hexagon DIN/ISO 1173 - C 6.3				
Phillips PH 2	25	1	PH2-1/4"/Cx25	9 250 474 000
AF 5	25	1	SW5-1/4"/Cx25	9 250 514 025
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	200	1	PH2-1/4"/Ex200	9 200 000 200
Phillips PH 2	350	1	PH2-1/4"/Ex350	9 200 000 350
Drive: threaded connection M 6				
Phillips PH 2	35	1	PH2-M6x35	9 250 612 000

Bit TORX®



Drive and Size	Length [mm]		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				
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	350	1	TORX T30-1/4"/Ex350	9 253 014 350
Drive: threaded connection M 6				
T25	33	1	TORX T25-M6x33	9 250 251 425
T30	33	1	TORX T30-M6x33	9 250 251 430

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

Bit extension

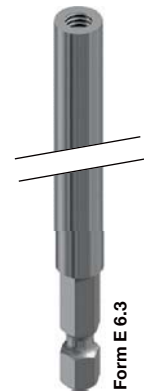
Length [mm]		Order description	Article number
600	1	Bit extension M6 x 600	9 151 510 071

Application range

- For bits with M6 threaded connection


Technical Specifications

Drive	1/4" hexagon DIN/ISO 1173 - E 6.3
-------	-----------------------------------



Form E 6.3


Nut sockets

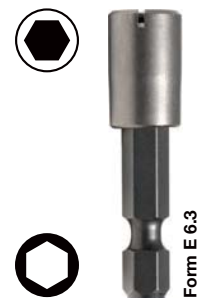
Drive	Length [mm]		Order description	Article number
Drive: 1/4" hexagon DIN/ISO 1173 - E 6.3				
AF 7	50	1	K-SW7-1/4"x50 with ball and flat spiral spring	9 250 705 106
AF 8	50	1	K-SW8-1/4"x50 with ball and flat spiral spring	9 250 705 104
AF 3/8"	50	1	K-SW3/8"-1/4"x50 with ball and flat spiral spring	9 250 705 105
AF 10	50	1	K-SW10-1/4"x50 with ball and flat spiral spring	9 250 705 102
AF 13	50	1	K-SW13-1/4"x50 with ball and flat spiral spring	9 250 705 103
AF 13	50	1	S-SW13-1/4"x50 with groove for threaded connection M8	9 250 719 001
AF 17	65	1	S-SW17-1/4"x65	9 250 705 107



Form E 6.3

Bit holder

Drive	Length [mm]		Order description	Article number
Internal Hexagon				
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"	250	1	BT-1/4"-1/4"x250	9 250 010 120




Form E 6.3



Cross references page
 Cordless screwdriver
 ASCS 6.3 257

EJOT® FR-tool

Order description		Article number
EJOT FR-tool	1	9 151 600 000
TORX T25-1/4"/Ex70	1	9 150 011 000

Application range

- For reliable fixing of corrugated and trapezoidal profile sheet with FR screws
- For FR screws **with sealing washers**
 Ø 11 mm

Characteristics

- Easy handling
- Optimum installation in any position
- Reliable screw guidance
- Captive


Benefits

- For efficient fixing of corrugated and trapezoidal profiles
- Fastener does not buckle to the side



Cross references page
 Cordless screwdriver
 ASCS 6.3 257

EJOT® FR-variotool

Order description		Article number
EJOT FR-Variotool	1	9 151 630 000

Application range

- For reliable fixing of corrugated and trapezoidal profile sheet with FR screws
- for FR screws **without sealing washers**


Characteristics

- Easy handling
- Optimum installation in any position
- Reliable screw guidance
- Captive

Benefits

- For efficient fixing of corrugated and trapezoidal profiles
- Fastener does not buckle to the side

FR-tool plastic

Order description		Article number
EJOT FR-tool plastic	1	9 152 600 000

Application range

- For reliable fixing of corrugated and trapezoidal profile sheet with FR screws

Benefits

- For efficient fixing of corrugated and trapezoidal profiles
- Fastener does not buckle to the side


Characteristics

- Easy handling
- Optimum installation in any position
- Reliable screw guidance
- Captive



Cross references	page
Cordless screwdriver	
ASCS 6.3	257

EJOT® LT/STS tool plastic

Order description		Article number
LT/STS tool plastic	1	9 152 700 000

Application range

- For reliable fastening of LT-screws with 16 mm head diameter
- For reliable fastening of STS-screws with 12 mm and 14.5 mm head diameter

Benefits

- Fastener does not buckle to the side

Characteristics

- Easy handling
- Optimum installation in any position
- Reliable screw guidance



Cross references	page
Cordless screwdriver	
ASCS 6.3	257



EJOT® A/F8 VARIO Tool

Order description		Article number
A/F8-Vario Tool	1	9 152 900 000

Application range

- For the reliable fastening of JT6 and JT9-2/5-5.0 VARIO

Benefits

- Fastener does not buckle to the side

Characteristics

- Easy handling
- Optimum installation in any position
- Reliable screw guidance

Cross references

	page
Cordless screwdriver	
ASCS 6.3	257

EJOT® EcoTek Tool



Order description		Article number
EcoTek Tool	1	8 595 000 000

NEW

Application range

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

Technical Specifications	
Drive	M6 threaded connection

Characteristics

- Easy handling
- Optimal installation depth of the EcoTek 50

Cross references

	page
Stress plate EcoTek 50	192
Cordless screwdriver	
ASCS 6.3	257
Bit extension	273

Magnet bracket HTV-RU

Order description		Article number
Magnet bracket HTV-RU	1	7 999 001 716
Bit cross recess PH2-M6x35	1	9 250 612 000


Application range

- Installation tool for stress plate HTV RU 40 W



Cross references	page
Stress plate HTV RU 40 W.....	186
Cordless screwdriver ASCS 18	257

EJOT® tool belt

Order description		Article number
Tool belt	1	9 150 000 001

Application range


- For ergonomic installation of DH insulation support anchor, facade anchors and anchor bolts

Characteristics

- Can take up to 50 insulation support anchors DH



EJOT® cartridge pouch for JF cartridges

Order description		Article number
Cartridge pouch JF screw driver	1	9 152 270 001

Application range

- For ergonomic use of JF cartridges

Characteristics

- Holds four cartridges
- Sturdy quality
- Fits belts up to 55 mm in width



Cross references	page
JF2-2H-4.8	49
JT2-2H/3-4.8	51
JT2-3-4.8	52
JF3-2H-4.8	68



Cross references **page**
 Anchor bolt BA 222

Installation tools for anchor bolts

Order description		Article number
Installation tools for anchor bolts M6 - M10	1	9 650 079 020
Installation tools for anchor bolts M12 - M20	1	9 650 079 021

Application range

- For reliable installation of anchor bolts BA-V, BA-F and BA-E

Technical Specifications

Drive	SDS plus®
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Cross references **page**

Anchor bolt BA	194
Anchor bolt BA	195
Anchor bolt BA	196



Cross references **page**
 Drop-in anchor LAL+ 236

Setting tool for drop-in anchors

Order description		Article number
Installation tools for drop-in anchors 8x30	1	9 150 000 830
Installation tools for drop-in anchors 10x40	1	9 150 001 040

Application range

- For making the drill hole
- For fast and reliable installation of drop-in anchor

Notice

- The use of specially developed setting tools is highly recommended for installing drop-in anchors
- Drop-in anchors cannot be tightened by a screw or bolt!
- If makeshift tools instead of professional setting tools are used to install anchors, the thread can be damaged and this causes problems during installation.

MOLA tongs

Order description		Article number
MOLA tongs	1	9 650 079 101

Application range


- For the reliable installation of MOLA dry wall anchors

Cross references **page**

MOLA dry wall anchor	243
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Applicator Guns

Order description	For Mortar cartridge		Article number
Applicator Gun 300 ml (koaxial)	Multifix USF / Multifix USF Winter	1	9 570 010 300
Applicator Gun 410 ml (koaxial)	Multifix PSF / Multifix VSF	1	9 570 001 410
Applicator Gun 400 ml (side-by-side)	Super Epoxy SE 800	1	9 570 001 400

Application range


- For pressing-out of mortar cartridges
- Applicator Gun 300 ml for pressing-out of other various mortar cartridges suitable



Cross references

	page
Multifix USF	225
Multifix USF Winter	226
Multifix PSF	227
Multifix VSF	228
Super Epoxy SE 800	229

Cleaning brush

Order description	Ø Brush head [mm]		Article number
Cleaning brush 6	8	1	9 150 300 006
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 20	20	1	9 150 300 020

Application range

- For cleaning drill holes in concrete and masonry

Benefits


- Easy handling
- High cleaning effect
- Robust design

Technical Specifications

Total length of the brush	340 mm
Length of the brush head	85 mm



EJOT® blow-out pump

Order description		Article number
Blow-out pump 6 mm	1	9 150 300 001
Blow-out pump 8 mm	1	9 150 300 000

Application range

- For cleaning drill holes in concrete and solid brick masonry


Benefits

- Easy handling
- High cleaning effect
- Universal purpose





Spray oil

Order description	Content [ml]		Article number
Spray oil 100 ml	100	1	9 150 911 000

Application range


- DIY, industry and trade applications
- Suitable for lubricating mechanical parts

Characteristics

- 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

Order description	Content [ml]		Article number
Corrosion protection spray	500	1	8 200 020 000

Application range

- To protect zinc-plated facade anchor screws from moisture and driving rain


Characteristics

- 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 or 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® nail / screw puller

Order description		Article number
Athlet nail puller with 2 plastics grip	1	9 250 005 836

Properties


- CV steel, chrome plated
- With 2 component hilt
- 2 component handle

Technical Specifications

Diameter	7 mm
Blade length	100 mm
Grip length	105 mm
Weight	90 gram



EJOT® application tool

Order description		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

Notice

For proper sidelap stitching the use of two tools per sandwich panel is recommended.

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. [...]“





Service

Our range of services for your satisfaction.

On-site service

- Anchor pull-out tests
- Product training
- Repair service

P. 284



Self-drilling screws

Facade screws (rear-ventilated facades)

Direct assembly

Engineering service

- Approval assistant
- Factory and inspection certificates
- Initial sizing with rough bill of quantities
- Tender documents

P. 286



Self-tapping screws

Orkan storm washers

Rivets

Individual consultation

- Application engineering advice

P. 288



Fasteners for solar/photovoltaic

Scaffolding anchors

Pipe flashings

Flat roof fasteners

Anchor technology

Installation technology

Dry wall construction

Accessories

Machinery Spare parts Tools





Self-drilling screws

Facade screws (rear-ventilated facades)

Direct assembly

Self-tapping screws

Orkan storm washers

Rivets

Fasteners for solar/photovoltaic

Scaffolding anchors

Pipe flashings

Flat roof fasteners

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Installation technology

Dry wall construction

Accessories

Machinery Spare parts Tools



Anchor pull-out tests

For safety-relevant fixing into undefined or old masonry substrate, we strongly recommend an anchor pull-out test, to draw conclusions on the load-carrying capacity of the substrate and for choosing the right fastener.

Your advantages:

- Pull-out tests by specially trained EJOT® staff
- Use of calibrated test equipment
- Determination of the load values
- Provision of a test report
- Advice and evaluation of the test results

Services	Article number
Pull-out test with protocol	D 000 001 272

Definition

Determination of load capacity values in undefined or old substrates in the roof or on the wall, with tensile tests on the building followed by recording in a test report and a recommendation for the proper fastener.

Services

Travelling expense, test procedure and documentation

Requirements

- Completed questionnaire with information on the building and the local points of contact
- The test site must be accessible and secured
- Any necessary re-sealing work must be carried out by the contractor

Product training

Whether installation tools or fastening technology: Our EJOT team is glad to give advice
Your technicians will receive comprehensive equipment and product training at the construction site.

Your advantages:

- Best possible utilisation of the equipment
- Improving the knowledge and skills for using EJOT products.
- Preventing tool damage due to improper handling
- Avoiding installation errors

Repair service

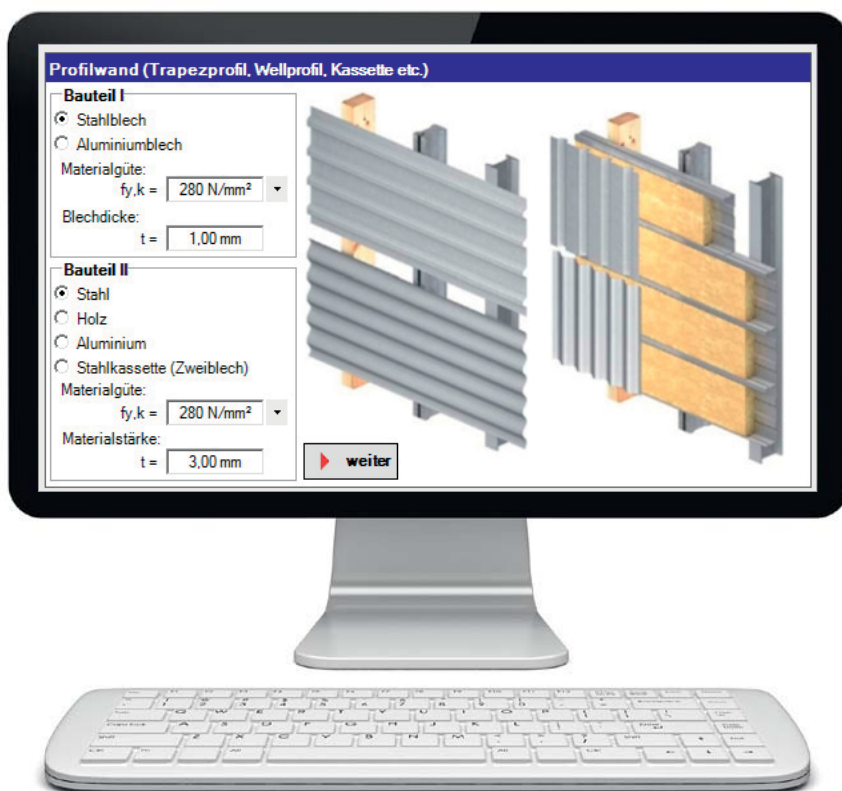
Expert EJOT staff repair the defective rented or purchased tools, to prevent down-times We try to carry out the repairs directly on site. If the damage is too severe, the repair will be done in one of our EJOT workshops.

Services	Article number
Repair of defective rental or purchased tools	D 000 001 342
Order information: spare parts will be billed separately	



- 🔍
- Self-drilling screws
- Facade screws (rear-ventilated facades)
- Direct assembly
- Self-tapping screws
- Orkan storm washers
- Rivets
- Fasteners for solar/photovoltaic
- Scaffolding anchors
- Pipe flashings
- Flat roof fasteners
- Anchor technology
- Installation technology
- Dry wall construction
- Accessories
- Machinery Spare parts Tools
- i

EJOT® approval assistant
 Data base version of
 ETA-10/0200 and ETA-13/0177,
 Z-14.1-4 und Z-14.4-779.



EJOT® approval assistant

Computer program for easy determination of approved fasteners and respective approval values (characteristic tensile strength as well as characteristic shear resistance). Fast and easy comparison of EJOT products for the respective application as well as selection of the optimal fastener. You can order the selected products directly through the connected EJOT online shop. Comfortable and convenient! Conveniently download the approval assistant now:

www.bau.ejot.de/zulassungstool

Benefits

- Easy handling
- Photorealistic illustration of applications
- How to read approvals
- The correct approval document in just two steps

Factory and inspection certificates

On request we supply factory and inspection certificates, which show the results of our production accompanying and batch related inspections



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

Services	Article number
Factory certificate 2.2 acc. to EN 10204	D 000 001 343
Inspection certificate 3.1 cc. to EN 10204	D 000 001 344

Initial sizing with rough bill of quantities

Services	Article number
Initial sizing with rough bill of quantities	D 000 001 273

Definition

Determination of the number and the kind of the required fastening elements with initial sizing and corresponding approximate bill of quantities

Notice

The initial sizing does not replace the static analysis and is only carried-out based on the data supplied by the customer, not verified for completeness and correctness by EJOT!

Services

Initial sizing with rough bill of quantities

Requirements

- Completed questionnaire is mandatory



Sie sind auf der Suche nach Ausschreibungsunterlagen? Hier finden Sie zu den EJOT Produkten aus den Bereichen Industrieller Leichtbau, Vorgehängte Hinterlüftete Fassade und Flachdach Ausschreibungsunterlagen in verschiedenen Formaten (GAEB XML, Datanorm, Excel, Word u.a.).

Kontakt | Hilfe | Mitglied bei www.ausschreibung.de

Suchbegriff eingeben

Sammeliste für den Export (2) Exportieren Alle Entfernen

Bohrschrauben

- EJOT® Bohrschraube Stahl verzinkt - Saphir
- EJOT® Bohrschraube Stahl verzinkt - Saphir
- EJOT® Bohrschraube Stahl verzinkt - Saphir
- EJOT® Bohrschraube Stahl verzinkt - Saphir
- EJOT® Bohrschraube Stahl verzinkt - Saphir JT2-2H-5,5xL**
- EJOT® Bohrschraube Stahl verzinkt - Saphir
- EJOT® Bohrschraube Stahl verzinkt - Saphir
- EJOT® Edelstahl-Längsstoßschraube JT3-2H
- EJOT® Edelstahl Bohrschraube Super Saphir
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- EJOT® Edelstahl-Bohrschraube Super-Saphir

EJOT

EJOT Online-Shop

Bohrschraube zur Längsstoßverschraubung von Stahlprofilblechen sowie der Befestigung von Stahlprofilblechen auf Stahlunterkonstruktionen im nicht bewitterten Bereich.

Fachgerechte Lieferung und Montage von EJOT Bohrschraube JT2-2H-5,5xL.

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Tender documents available online:
www.bau.ejot.de/ausschreibung

Tender documents

Online data base which provides free tender texts and updated information about building products for the different trades.

Benefits

- 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 is centrally stored
- Easy use with drag & drop
- Compare texts, select and drag them into your contract specifications or tender



Self-drilling screws

Facade screws (rear-ventilated facades)

Direct assembly

Self-tapping screws

Orkan storm washers

Rivets

Fasteners for solar/ photovoltaic

Scaffolding anchors

Pipe flashings

Flat roof fasteners

Anchor technology

Installation technology

Dry wall construction

Accessories

Machinery Spare parts Tools



Application engineering advice

Are you unsure which fastener to use?

A team of trained EJOT® application engineers offers advice and assistance.

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Self-drilling screws

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