EJOT®

Building Fasteners



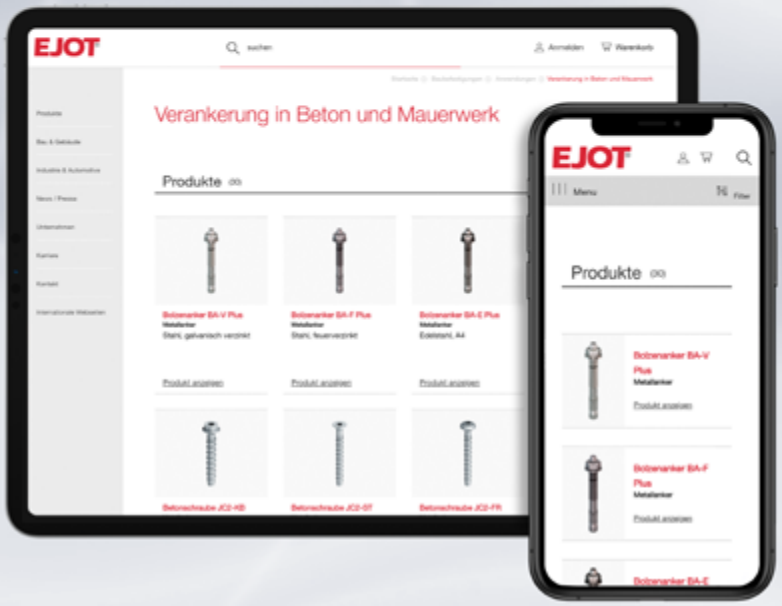
Catalogue Building Fasteners

Fastening technology for expert applications

Valid as of 01.04.2026

EJOT. Bringing it together.

www.ejot.com/construction



The fastest way to the appropriate EJOT® product

Discover EJOT Worldwide

EJOT is an European market leader in fastening technology. In Europe, our numerous sales companies and offices guarantee direct customer contact and fast availability of our products. EJOT services and products are also available on an international scale. We have production sites and sales offices in North America and Asia.

Find your contact person for all EJOT distribution and production companies and our partner and sales offices – worldwide. We look forward to hearing from you.

EJOT Worldwide:
www.ejot.com/construction



Fastening solutions for the building industry

The EJOT Construction Division supplies to selected segments of the building industry. This includes professional applications on building facades as well as installation solutions for technical facilities inside the building.

Striving for high product quality is not an end in itself for EJOT. The customer really benefits from our screws and anchors. Therefore 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 our strategic product lines are manufactured according to highest quality standards.

We convey expert knowledge about the use of our products to all our customers. And if required, 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 system providers, architects, specifiers, assemblymen and contractors with the EJOT TEC ACADEMY.

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

EJOT quality online:
www.ejot.com/quality



At home in many trades

The product segments of the Market Unit Construction

With the Market Unit Construction, EJOT offers professional fastening solutions for the building industry in the Building Fasteners and ETICS Fasteners sectors.

With EJOT you get everything you need for almost every application from a single supplier with the usual high product quality.

Timber Construction
High-quality fastening technology for anchor and direct assembly in timber construction

www.ejot.com/timber-construction

Industrial Lightweight Construction
High-quality fasteners for fixing profiled sheets and sandwich panels in the industrial lightweight construction sector

www.ejot.com/industrial-lightweight-construction

Solar
Fastening technology for solar and photovoltaic installations on trapezoidal steel profile and sandwich element roofs as well as for use on fibre cement roofs

www.ejot.com/solar

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

www.ejot.com/flat-roofing

Rainscreen Facades (RVF)
Complete substructure system with consoles, screws, anchoring solutions, insulation support anchors and anchors

www.ejot.com/rainscreen-facades

Anchoring Technology
Special products for mechanical anchoring in non-cracked and cracked concrete as well as chemical and thus expansion pressure-free products for heavy-duty fastening in concrete and masonry

www.ejot.com/anchoring-technology

Window and Glass Facade Technology
High quality fastening elements for window and door assembly and for use in aluminium/glass facade systems

www.ejot.com/window-and-glass-facade-technology

Interior Work
Special products for fastening wood chipboards and for fastening attachments in plasterboard, masonry or concrete

www.ejot.com/interior-work

Fastening solutions for External Thermal Insulation Composite Systems (ETICS)
Special anchors for fixing insulation on external wall systems

www.ejot.com/etics-fasteners

Mounting Elements for Attachments
Fastening solutions for the planned and subsequent fastening of attachments to ETICS facades

www.ejot.com/etics-mounting-elements

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Profiles for high quality render finishes

www.ejot.com/etics-profiles

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We are right there where you need us

Your personal contact

Whether you order our EJOT products online or at one of our many sales offices: We are always available and advise you individually, depending on your needs.

We have sales representatives throughout the country and they are available to you directly at the construction site.

Advice over the phone*:
+49 2752 908-0

We are also there for you by email:
construction@ejot.com

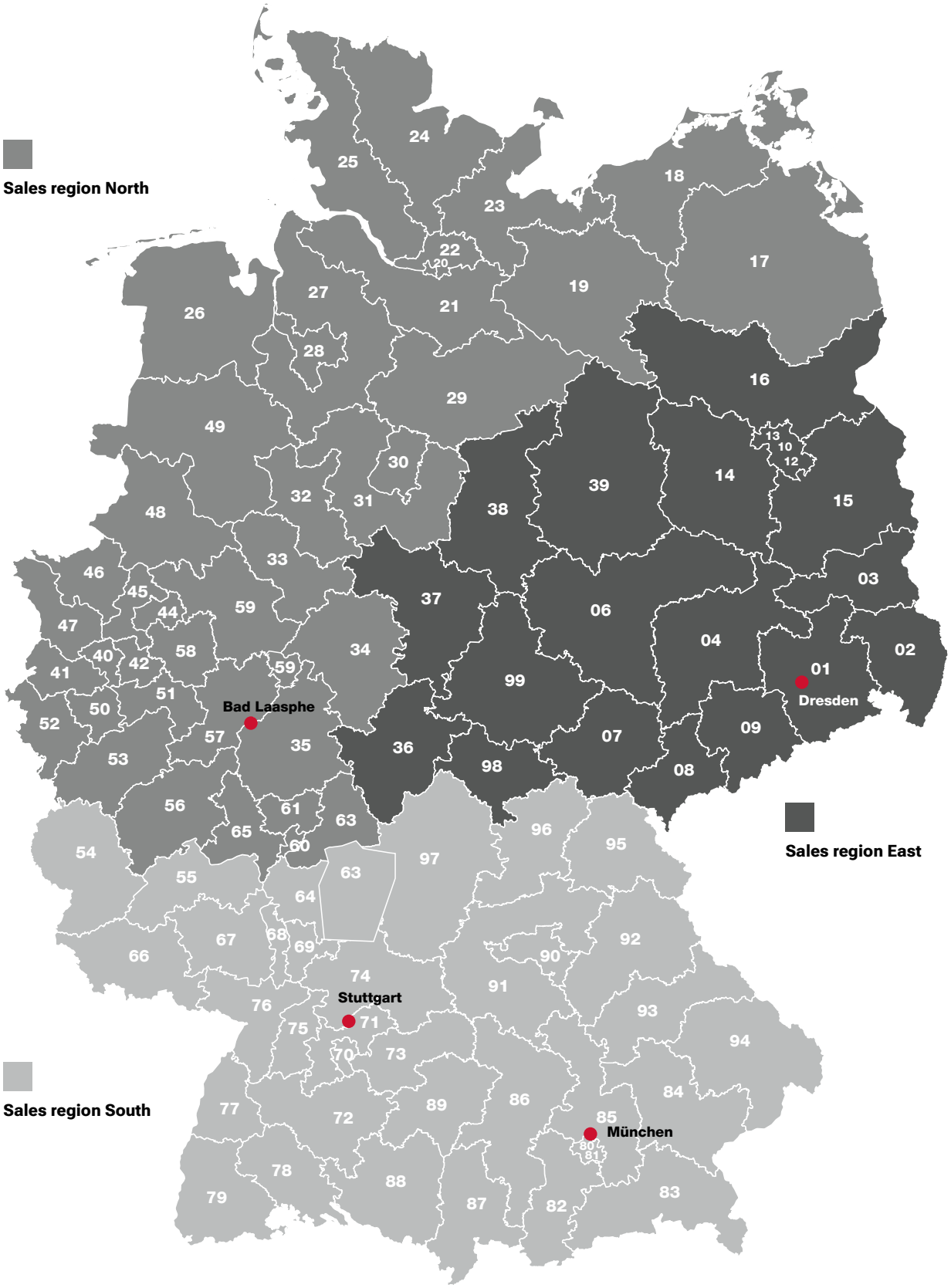
*During our business hours from 7:30 am to 4:30 pm and free of charge from German landlines

Your contact person by postal code:
On our website, you will find your personal sales and engineering contact:

www.ejot.com/construction

EJOT® locations in Germany

Postal code areas and their assignment by location



We are committed

EJOT® is a 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 Fenstertechnik e. V.
www.ift-rosenheim.de

Institut Bauen und Umwelt e. V.
www.ibu-epd.com

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

Global Fastener Alliance®
www.globalfasteneralliance.com

Warenzeichenverband Edelstahl Rostfrei e.V.
www.wzv-rostfrei.de

Verband für Dämmsysteme, Putz und Mörtel e. V.
www.vdpm.info

www.ppa-europe.eu

www.mcrma.co.uk

Österreichischer Fachverband für hinterlüftete Fassaden
www.oefhf.at

Schweizerischer Fachverband für hinterlüftete Fassaden
www.sfhf.ch

Europäischer Fachverband für Wärmedämm-Verbundsysteme
www.ea-etics.com

ARGE Qualitätsgruppe Wärmedämmsysteme
www.waermedaemmsysteme.at

Österreichische Arbeitsgemeinschaft Putz
www.oeap.at

Stifterverband für die Deutsche Wissenschaft e.V.
www.stifterverband.org

BuGG Bundesverband GebäudeGrün e. V.
www.gebaeudegruen.info/



We stand for sustainability

EJOT® products have Environmental Product Declarations

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, both today and in the future.

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

EJOT, as a leading company in the field of ETICS fasteners, has responded to these requirements several years ago and carried-out life cycle assessments.

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.

EPDs for anchors and fasteners from the areas of flat roof and rear-ventilated facade have followed. The extensive portfolio of industrial lightweight construction was also balanced with an EPD.

THIRD-PARTY VERIFIED EPD ISO 14025 and EN 15804 Institut Bauen und Umwelt e.V.

EJOT Sustainability on the Internet:
www.ejot.com/construction/sustainability-epds



EJOT® Construction News

Subscribe now and stay up to date with our newsletter

Stay up to date about our latest products and technologies with our regular newsletter. You receive free current information as well as processing tips and videos from the Building Fasteners sector.

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EJOT® Market Unit Construction Social Media

EJOT® Market Unit Construction

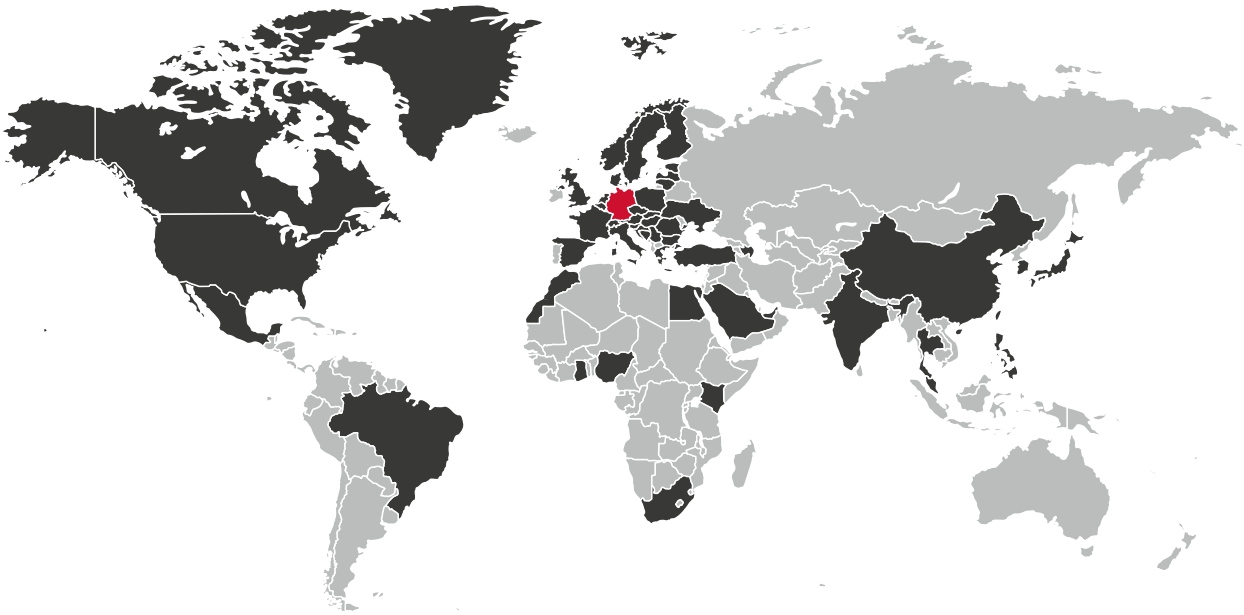
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EJOT® Construction Division

ejotconstruction

The International EJOT® Group

The origin is in Germany, the future in the world



Locations wordwide

www.ejot.com/subsidiary_selector

Find your contact for all EJOT sales and production companies as well as our partner and sales offices - worldwide. We are looking forward to hearing from you.

53 Mio.

Screws

In our manufacturing plants around the world, we produce up to 52 million items for construction and industry every day.

33,000

Products

Screws, anchors, through bolts or complex part groups – the EJOT portfolio is made up of around 36,000 products.

2,400

Patents

Unsere Ingenieure entwickeln stetig neue Produktlösungen, die durch mehr als 2.400 Patente geschützt sind.

1922

founded

The history of EJOT dates back to the early 20th century.

4,400

Employees

More than 4,500 employees work for our worldwide customers every day.

ENGINEERED IN

GERMANY

The majority of the EJOT portfolio is produced in Germany and developed by our own R&D department.



EJOT® TEC ACADEMY

Our know-how for your building projects

With the EJOT TEC ACADEMY, we regularly offer training courses to inform you about current trends in the construction industry, our products and their applications.

EJOT® TEC ACADEMY:
www.ejot.com/tec-academy

Audio-Podcast

EJOT® TEC ACADEMY Podcast



In our EJOT TEC ACADEMY podcast, you can find out more about trends and topics in the construction industry and the associated fastening solutions – always up-to-date, technically sound and at the heart of the industry.

Listen now!

YouTube-Kanal

EJOT® Construction Division



Our YouTube channel offers a large number of videos with product presentations, assembly instructions and tips from the world of fastening technology.

Watch now!

Expert knowledge in the construction blog

Entertaining and informative - the construction blog on our website offers interesting guidebooks and useful tips on various topics of fastening technology. Available completely digital, anytime and anywhere.

The content varies from guidebooks regarding rainscreen facades , anchoring technology or the planning and creation of a flat roof to articles on corrosion, the use of self-drilling screws, and more.

It's worth checking in regularly, because new, exciting articles are added frequently.

Construction blog:
www.ejot.com/blog

Overview of our training programme

Basic trainings

At our TEC CENTER we offer basic trainings on different topics.
The two-day trainings are designed for installers, distributors, architects and planners and deal with the focal points of the various application areas.

Application range

> Rainscreen Facades
> Anchoring technology
> Building envelope (Industrial Lightweight Construction, Flat Roofing, Solar)
> Timber construction (are planned)

Your benefit

> Skill development in fastening and anchoring technology
> Knowledge of conditions under the German building law
> Safe product selection for the application case, based on guidelines in compliance with the approval
> Safety in practical handling

Dates

Current training dates are announced in our newsletter as well as on our TEC ACADEMY page on the internet.

Focus days

Innovative topics, numerous ideas, different perspectives – all in one day. The focus days, which are workshop-style events, are held as joint training sessions with some of our cooperation partners and will focus on system and construction requirements of the different application areas.

Your benefit

> Direct exchange and access to experts of the industry
> Insights into the TEC CENTER's sustainability concept
> Access to the EJOT network within the construction industry

Dates

Current training dates are announced in our newsletter as well as on our TEC ACADEMY page on the internet.

Individual training

Would you like a seminar or training course that is specifically tailored to your needs and requirements? Your team has technical questions, needs more confidence in the use of different construction products or wants to discuss specific details with our experts? Then let us work with you and plan your individual training for your company and team.

Your benefit

> Safe learning environment for your team
> Individual topics
> Direct exchange and access to experts of the industry
> Insights into the TEC CENTER's sustainability concept
> Access to the EJOT network within the construction industry
> Individual date coordination

Dates

We coordinate the dates for your individual trainings together with you.


EJOT
MULTIFIX
USF
Vinylester, styrene free
Vinylester, styrolfrei
Styrenfri Vinylester
Viniléster, libre de estireno
Vinylester, sztirol mentes
Vinylester, Styrenfri
EJOT
ANCHOR
FIX
280 ml

Anchoring technology

Safely attaching heavy loads

EJOT offers a wide range of products in the area of nylon expansion anchoring technology. This includes special products for mechanical anchoring in non-cracked and cracked concrete, as well as chemical and thus expansion-free products for heavy-duty fastenings in concrete and masonry. The products enable reliable anchoring in the ground for maximum safety and load-bearing capacity.





T-FAST® Plus wood screw

Discover the latest generation

With the T-FAST® Plus, EJOT introduces a new wood screw whose innovative, distinctive screw tip enables a particularly high-quality installation experience. Fast tip bite, easy screw control and significantly reduced wood splitting ensure safe and efficient working – both in the workshop and on the construction site.

The new T-FAST® Plus can be used in a variety of ways to connect and fasten components made of wood, wood-based materials and sheet steel to components made of wood and wood-based materials in load-bearing and non-load-bearing areas.





Software solutions

EJOT® Approval assistant

The EJOT approval assistant is a database-driven version of the current European Technical Assessments for industrial lightweight construction.

The respective approved fasteners are determined via the selection of specific applications. The user is also provided with the corresponding approval values such as characteristic tensile and transverse load capacity, as well as the associated approval document.



Advantages

> Easy handling
> Photorealistic illustration of applications
> How to read approvals
> The correct approval document in just two steps

The approval tool is available for download
www.ejot.com/software-zulassungsassistent

EJOT ANCHOR FIX® – anchor dimensioning made easy

With the brand new version EJOT ANCHOR FIX®, the free dimensioning software for anchoring, EJOT is offering a very helpful tool for the static dimensioning of anchoring in your projects. Specially developed for structural engineers, specifiers, engineers and technicians, the software can also be used as a handy guide in the pre-planning phase.

With EJOT ANCHOR FIX®, the limits of the load-bearing capacity of EJOT anchoring products such as through bolts and concrete screws in concrete substrates can be determined. Another new feature is the possibility of dimensioning nylon and chemical anchors in concrete and masonry. EJOT CROSSFIX® has also now been fully integrated. In addition, with the new software version, a design for fire and seismic load cases is possible. EJOT ANCHOR FIX® still allows you to directly input data from site extraction tests and their evaluation in accordance with regulations. The targeted selection of the calculation methods for single vs. multiple fastening of various products offers the user application safety.



Planning reliability on the part of the user is achieved by the output of individual quantity requirements for chemical anchors and this also with variable installation depths. All additional documents such as approvals and product data sheets can be easily accessed, directly via the software.
Try it out – free of charge...

EJOT ANCHOR FIX® can be downloaded here:
www.ejot.com/software-anchorfix

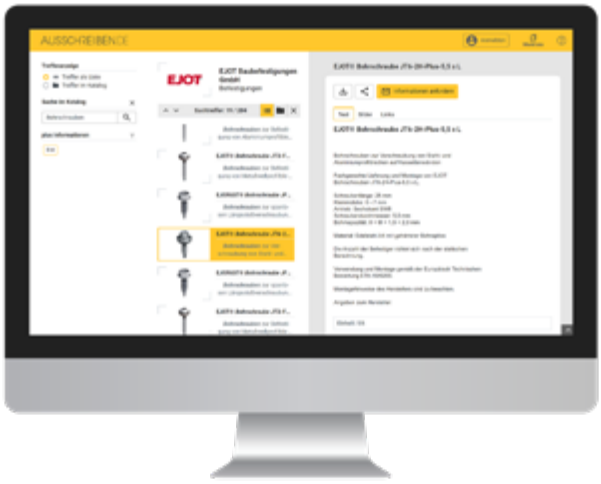
Texts for invitation to tender

In the online database, you can find tender texts for EJOT products in different formats (GAEB, XML, Datanorm, Excel, Word and others).

Advantages

> 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

Tender documents available online:
www.ejot.de/ausschreibungsunterlagen





Services

Shipping costs

Requirements
If there is sufficient availability in our warehouse, ordered goods will be shipped on the same working day (Mon-Fri) - provided that the order is received by 2 pm (standard shipping) or 12 pm (express shipping). The prices shown are for domestic shipping.

Costs
Exact shipping costs may vary depending on the product selection (product composition). Please refer to your order confirmation for the actual costs.

Service	Costs [EUR]	Article number
Standard shipping.		D000000247
Express shipping / Delivery (Mo – Fr) until 9 am*		D000001742
Express shipping / Delivery (Mo – Fr) until 10/10:30 am*		D000001752
Express shipping / Delivery (Mo – Fr) until 12 pm*		D000001753
Express shipping / Delivery Saturday until 12 pm*		D000001792
Parcel service guaranteed delivery next day (Mo - Fr)		D000001754
Standard delivery with trucking company		D000001755
Freight forwarding express shipment / Delivery (Mo – Fr) until 8 am*		D000001756
Freight forwarding express shipment / Delivery (Mo – Fr) until 10 am*		D000001757
Freight forwarding express shipment / Delivery (Mo – Fr) until 12 pm*		D000001758
Guaranteed freight forwarding shipment next day		D000001759
Shipping of long goods starting at a length of 2.40 m (e.g. Rainscreen facade support profiles)		–
*Not available in all postal code areas		

Small volume deliveries

Service
Small volume deliveries are all shipments with a value of less than 100 Euro.
> One-time small volume delivery
> Standard shipping parcel service is included
> Guaranteed shipping is not included in the price and will be billed separately.

Exceptions
> Pick-up in branches and sales offices
> Partial or replacement shipments caused by EJOT.
> Ordering over existing EDI connection

Service	Costs [EUR]	Article number
Small volume deliveries		D000001256

Discretionary returns

If you have made a mistake in your order, we will gladly check the possibility of a return. In order to ensure a smooth processing, please consider the following points in the case of a return:

Registration
We can only accept returns which have been announced and released in advance and for which the invoice is not older than 12 months. Therefore, please send a request to your EJOT sales agent. He/she will provide you with an appropriate form. After successful release, please add this form to your return. Otherwise, a return shipment at your expense can unfortunately not be excluded.

A return of customer-specifically produced or packed articles and already used products can unfortunately not be accepted.

Condition of the goods
The goods must be dry, clean and in original packaging. Since we can neither exclude nor consider damages during return, you should document the condition of the goods with a picture before returning them.

Charges
We charge a redemption fee amounting to 20% of the value of the goods, but at least 75.- EUR per order. If the goods are not in perfect condition, further costs may arise at your expense.

Notes
Discretionary returns are all returns that are not caused by EJOT or our service partners.
Articles not suited for return or unannounced shipments will be returned without issuing a credit note.
The return shipment always has to be paid by the returning party!

Requirements
> Only directly delivered, undamaged articles, in original packaging with undamaged adhesive tape, not older than 12 months.
> A return shipment is only possible after prior registration with the responsible sales contact.
> The received return form must be enclosed with the return shipment.

Service	Costs
Discretionary returns, approved and announced	
Pick-up service by forwarding company	
Pick-up by parcel service	

Factory and inspection certificates

On request we supply factory and inspection certificates, which show the results of our production-accompanying and batch related inspections. Order-related data are necessary for this, therefore they can only be issued after delivery of the goods.

Quality Management System

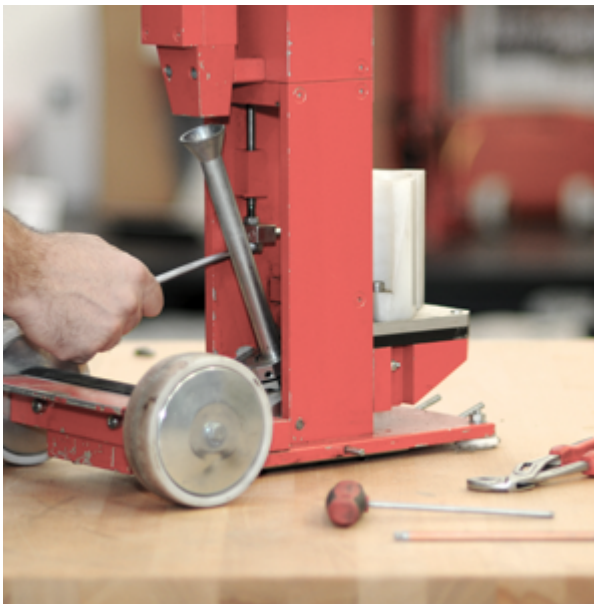
DQS certified according to ISO 9001:2008
Certificate registration no. 302825 QM08

Service	Costs [EUR]	Article number
Factory certificate 2.2 acc. to EN 10204		D000001343
Inspection certificate 3.1 acc. to EN 10204		D000001344

Repair service

Expert EJOT staff repair the defective tools to prevent down-times. If possible, we carry out the repairs directly on site. If the damage is too severe, the repair will be done in one of our EJOT workshops.

Service	Price/0.25 h [EUR]	Article number
Repair of defective rental or purchased tools		D000001342
Order information: spare parts will be billed separately		





Anchor pull-out tests

For fastenings in undefined, unknown or not covered by the usability certificate*) fastening substrates (e.g. concrete, masonry, steel, etc.), site tests must be carried out in a defined number and at different positions of the building structure, depending on the application (rainscreen facade, flat roof, ETICS, etc.)
The aim is to determine the load-bearing capacity of the selected fastener type depending on the individual setting/assembly method on the project-specific given fastening substrate - furthermore, the optimum fastener for your construction project can be determined.
Depending on the application on the roof or facade and the selected fastening system, the execution of the site pull-out tests is carried out and evaluated on the basis of valid regulations according to the EAD, ETAG, TR or TS**). The determined, logged load-bearing capacities serve as the basis for the structural design of the overall system.

*) AbZ – National Technical Approval / AbG - General Construction Technique permit / ETA - European Technical Assessment
**) European Assessment Document / European Technical Approval Guideline / Technical Report / Technical Specification

Your advantages
> Consulting and execution of the construction site pull-out tests
> Use of calibrated test equipment
> Determination of individual load capacities
> Evaluation of the test results
> Provision of the test protocol

Service
Travelling expense, test procedure and documentation

Requirements
> It is mandatory that the operating company is on site
> Accessibility of the secured test points on the object
> Possible specifications required by the specialist planner
> Any necessary sealing measures on the flat roof will be carried out by the customer

Services	MSRP [EUR]	Article number
Pull-out test with protocol		D000001272

Rental equipment and product training

Whether installation tools or fastening technology: Our EJOT team is glad to give advice. We provide you with installation tools on loan for the duration of the construction phase for processing our fasteners.Your technicians will receive comprehensive equipment and product training at the construction site from us.

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

Service

> Delivery
> Instruction
> Pick-up service
> One-time replacement of wear parts (batteries, nut sockets, bits or carbons)

Requirements

> Rental tools are only provided for processing EJOT fasteners
> Minimum order quantity fastener: 2,000 pieces (adapted to the rental tool)
> Please contact us in time so that we can reserve the desired installation tool for you.
> Rental without proper instruction is only allowed for installers that are familiar with our installation tools
> Necessary repairs after the tool return, due to faulty or improper use will be billed separately

Tool selection	Article number Rental equipment	Article number Transport box
Installation tool ECOSET	G000000076	9151106000
Installation tool ECOSET L	G000000077	9151506000
Installation tool ECOset HTK	G000000072	9151506000
EJOFAST® JF screwdriver	G000000070	–

Services	MSRP [EUR]	Article number
Rental tool with delivery and instruction		D000001274

Initial sizing service

Based on the planning documents you provide, we determine the optimal fasteners for your construction project as well as the required quantity.

Service

Initial sizing with rough bill of quantities

Requirements

> Completed questionnaire is mandatory

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!

Download questionnaire:
www.ejot.com/pre-dimensioning

Services	MSRP [EUR]	Article number
Initial sizing		D000001273

Assembly of sealing washers

Version	Costs* per	MSRP [EUR]
Without washer	100 pcs.	
Ø 11 / Ø 14 / Ø 16	100 pcs.	
Ø 19	100 pcs.	
Ø 22	100 pcs.	
Ø 29 / PIZ	100 pcs.	
DIN 9021 (through bolt)	100 pcs.	
***Costs are added to standard product price**		



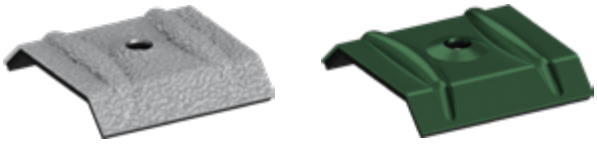
Pre-assembling, pre-turning, collating

Version	Costs* per	MSRP [EUR]
Pre-assembling HTK	100 pcs.	
Pre-turning EcoTek + FPS-E	100 pcs.	
Pre-turning EcoTek + JBS-R	100 pcs.	
Collating / belting	100 pcs.	
***Costs are added to standard product price**		



Special storm washers

Version	Additional cost /	MSRP [EUR]
All storm washer shapes not mentioned in the catalogue are special storm washers	100 pcs.	
Minimum order 500 pieces ***Costs are added to standard product price**		



Special packaging

Version	Costs* per	MSRP [EUR]	Article number
Opening of one packaging unit (PU) in full hundreds is possible for EcoTek loose, HTK-2G loose, solar fastener (à 10 pieces)	Opening		D000002152
***Costs are added to standard product price**			

Painting* (in-house)

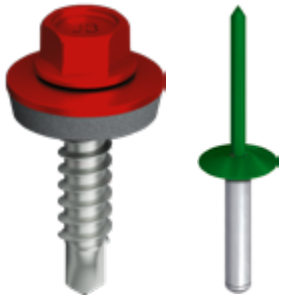
Version	Costs** per	MSRP [EUR]
≤ 499 pieces	lump sum	
≥ 500 - 2,499 pieces	100 pcs.	
≥ 2,500 - 4,999 pieces	100 pcs.	
≥ 5,000 pieces	100 pcs.	
*Costs are added to standard product price		

Painting* (external)

Version	Costs** per	MSRP [EUR]
≤ 9,999 pieces	100 pcs.	
≥ 10,000 - 19,999 pieces	100 pcs.	
≥ 20,000 pieces	100 pcs.	
*Costs are added to standard product price		

Extra costs painting* (external)

Service	Costs** [EUR]	Article number
Minimum quantity surcharge (≤ 1,000 pcs.)		D000002932
Express painting service (within 48 hours, per colour shade and dimension ≤ 2,500 pieces)		D000002937
Surcharge for colour sample production (incl. 20 - 30 sample parts)		D000003245
Surcharge special colour according to sample		D000003042
Shipping cost external painting standard parcel service		D000002936
Shipping cost external painting express parcel service		D000003022
**Special costs painting (external) are not discounted		



***Painting:**
Colours are selected using the RAL system.
Slight colour variations may occur due to the manufacturing process.

The EJOT® application advice

Find the right fastener for your project

Fastening and installation solutions are as versatile as the number of different building types. But the small, inconspicuous products bear a special responsibility for their stability. Therefore it is important to use the perfectly matched product for every application. Whether it is a production hall, administrative building, residential house or the corresponding technical devices - with the application adviser, you will find the suitable product for your project.





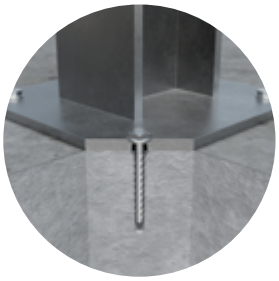
Concrete screw JC6-D-7.5xL
| see page 123



Solar fastener JT3-SB-3-8.0xL
| see page 199



LT-TD System
| see page 270



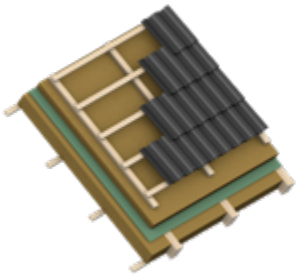
Concrete screw JC6-KB A4
| see page 376



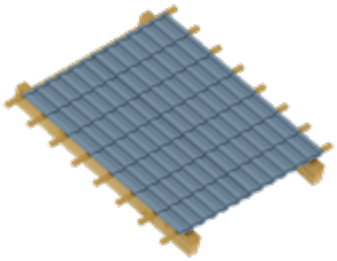
Timber Construction
| see page 46



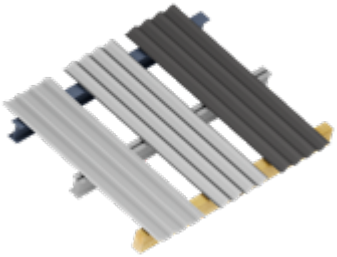
Above-rafter insulation
| see page 47



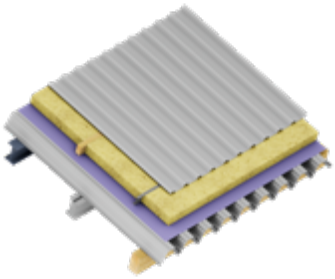
Tin tile roof
| see page 62



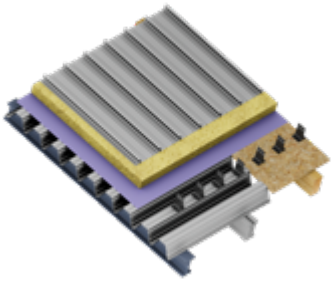
Single-sheet profiled roof
| see page 62



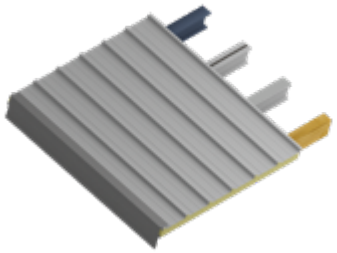
Double-sheet profile roof
| see page 64



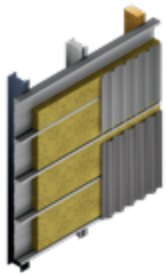
Double-sheet roof with seam or clamping profile
| see Page 66



Sandwich panel roof
| see page 68



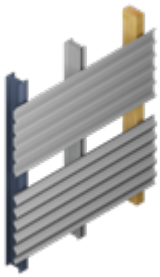
Profiled wall with cassette structure
| see page 70



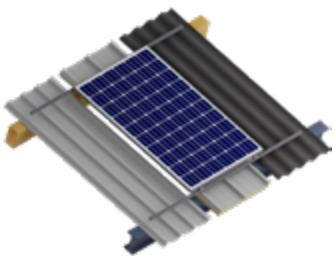
Wall with sandwich panels
| see page 72



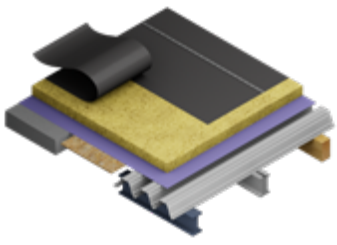
Single-sheet profiled wall
| see page 74



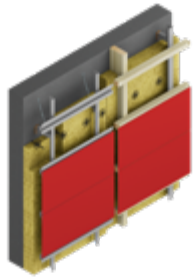
Solar and photovoltaic installations
| see page 192



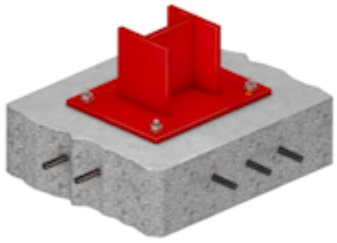
Flat roof with roofing membrane
| see page 208



Rainscreen Facades
| see Page 254



Installation into concrete
| see page 314



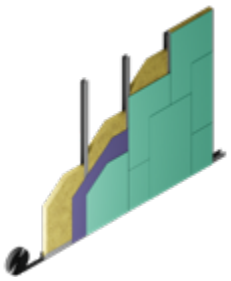
Installation in masonry
| see page 317



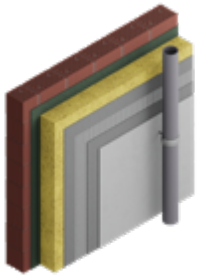
Window and Glass Facade Technology
| see page 380



Interior Work
| see page 406



Mounting Elements for Attachments
| see page 414



Certifications

National technical approvals (abZ)

"National technical approvals (abZ) are the most common form of national proof of usability for construction products. DIBt started granting them as early as 1968. The abZ regulates those properties of the construction product that are of regulatory relevance as well as the fields of use and aspects related to processing, transport, storage, marking and confirmation of conformity.

A construction technique permit may be included in the abZ if assembly, planning, design and execution are relevant for safe application ('combined decision')."
(cf. www.dibt.de/en/we-offer/approvals-etas-and-more/national-technical-approval-abz-general-construction-technique-permit-abg)

General construction technique permit (aBG)

"In July 2017, the general construction technique permit replaced the former national technical approval (abZ) for construction techniques. It can only be applied for with DIBt. This new type of decision regulates the planning, design and execution of construction techniques. The Building Codes of the federal states aim at ensuring the safety of construction works. This may require regulating not only product characteristics, but also the assembly of construction products to form construction works ('construction technique').

This is especially the case, when important features of the construction works result from the interplay between different construction products. The general construction technique permit can supplement national or European product rules with regard to planning, design and execution."
(cf. www.dibt.de/en/we-offer/approvals-etas-and-more/national-technical-approval-abz-general-construction-technique-permit-abg)

National technical test certificates (abP)

A national technical 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
- 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 national technical test certificate can be granted. Only inspection authorities approved by the DIBt or another building authority are able to grant national technical test certificates.

Certifications

European Technical Assessments (ETA)

The abbreviation ETA is derived from the English term "European Technical Assessment".

The ETA is a product performance certificate that leads to CE marking. It allows you to market your product throughout the European Economic Area, Switzerland and Turkey. In many cases, the ETA also opens doors worldwide.

An ETA can be requested for any construction product that is not covered or not fully covered by a harmonised standard. Compared to the harmonised standard, the ETA can be individually tailored to the product. In addition, performance features can be included in the ETA that are missing in existing harmonised standards.

The advantage over the national approval is the greater coverage of the ETA. However, ETAs always require a reconciliation between the designated performance and the national building requirements.
(compare: www.dibt.de/en/we-offer/approvals-etas-and-more/european-technical-assessment-eta)

FM Approval

In addition to national technical and European Technical Approvals, 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.

Passive House Certification

Passive House certification ensures that the high quality requirements of the Passive House Standard are achieved. But not only buildings can receive certification from the Passive House Institute, but also products and detailed solutions, as well as planners, specialist engineers, craftsmen and consultants.

The use of components certified by the Passive House Institute facilitates the planning of buildings and contributes significantly to ensuring the proper functioning of the Passive House.
(see www.passiv.de/de/03_zertifizierung/03_zertifizierung.htm)

National technical approvals (abZ)

Product segment	Number	Products	Contents
Industrial Lightweight Construction	Z-14.1-421	JT3-2H-40-6.0/6.0x64, JT3-2H-80-6.0/6.0x104	Isover Metac wall cassette system
	Z-14.1-644	JT3-2H-40-6.0/6.0x64, JT3-2H-60-6.0/6.0x84, JT3-2H-80-6.0/6.0x104	Spacer bolts and wall cassette system "Steelrock Plus"
	Z-14.1-843	JT3-2H-40-6.0/6.0x64, JT3-2H-80-6.0/6.0x104	URSA facade cassette system and its components
	Z-14.4-426	JT*-(X/ST)-2-6.0xL, JF*-2-5.5xL, JF*-2-6.0xL, JT*2H-Plus-5.5xL, JT*-6-5.5xL, JT*-ST-2-6.8xL	Fastening of multi-layer roof systems
	Z-14.4-814	ORKAN Storm Washers	ORKAN Storm Washers
	Z-14.4-901	JT*-(ST)-2-6.0xL, JT*-(FR)-6-5.5xL, JT*-12-5.5xL, JT*-WD-6-5.5xL, JZ*-(S)-6.3xL, JZ*-8.0xL, JT*-LT-3-5.5xL KD16, JF*-LT-2-5.5xL KD16, DABO TK*-4.8xL, DABO VHT-*-4.8xL	Fastening of components made of timber and wood-based materials to metal substructures
	Z-31.4-175	JT2-FZ-F-6.5x130; JT4-FZ-6.5x130	Fibre cement corrugated profiles "Eternit-Baltic corrugated profile" profile 177/51 P5 and P6
	Z-50.4-337	JA3-S-6.5xL, JZ3-S-6.3xL	FUNDERMAX - Fastening of steps, platforms and balcony boards
Solar	Z-14.4-426	JF3-2-5.5xL / JF3-2-6.0xL	Fastening of multi-layer roof systems
Rainscreen Facades	Z-10.3-701	JT4-LT-XT-3H/6-5.5x25, JT3-6-5.5x25-E14, JT4-XT-3/6-6.0x21	ALPOLIC composite panels for use in ventilated exterior wall cladding and exterior facade soffits
	Z-10.3-774	JT4-LT-XT-3H/6-5.5x25, EJOT XT centring grommet Ø11/4 F, EJOT XT centring grommet Ø 11/4 S	Facade system with ALUCOBOND composite panels for use as an exterior wall cladding and an exterior facade soffits (overhead area)
	Z-10.3-833	JA3-LT-4.9x38, JT3-(FR)-2H-Plus-5.5xL E14/E16	ALUCOBOND composite panels with a flange for use as an exterior wall cladding
	Z-14.4-851	JT4-LT-3-5.5x25 KD16, JT4-LT-2/6-6.0x50 KD16, ECORIV AL/E 5.0x16 K16, Centring grommet Ø11/6 F, Centring grommet Ø11/6 S, Centring grommet Ø11/8 F, Centring grommet Ø11/8 S"	Fastening of components made of timber and wood-based materials to metal substructures
Anchoring Technology	Z-21.2-1652	Cavity wall repair anchor VSD	For subsequent installation of outer sheets

General construction technique permit (aBG)

Product segment	Number	Products	Contents
Anchoring Technology	Z-21.2-2122	SDF-S-10V, SDF-KB-10V, SDF-S-10H, SDF-KB-10H	SDF-10V and SDF-10H for application as single fastening in concrete
	Z-21.8-2141	JC2 Plus concrete screw	EJOT concrete screw JC2 Plus for temporary fastening in concrete

National technical test certificates (abP)

Product segment	Number	Products	Contents
Rainscreen Facades	P-BWU02-178006	JT9-2/5-5.0x25 VARIO, JT6-2/5-5.0x30 VARIO	Fixing aluminium or stainless steel wall brackets to substructures made of aluminium support profiles for rear-ventilated external wall cladding according to DIN 18516-1
	P-BWU02-1980001	JT4(9)-3H/5-5.5x19, JT4(9)-3H/7-5.5x21	Fixing aluminium or stainless steel wall brackets to substructures made of aluminium support profiles for rear-ventilated external wall cladding according to DIN 18516-1
	P-BWU02-168012	JT4-S-2-4.8xL JT9-S-2-4.8xL	Fixing timber panels to substructures made of aluminium support profiles for regulated rear-ventilated external wall claddings according to DIN 18516-1
	P-S 18 0447	JT4-LT-XT-3/6-5.5x25 KD16, LT-XT centring grommets	Fixing plain aluminium composite panels to aluminium substructures

European Technical Assessments (ETA)

Product segment	Number	Products	Contents
Timber construction	ETA-24/0816	T-FAST® Plus wood screws	Screws for timber constructions
Industrial Lightweight Construction	ETA-13/0177	Fastening screws JA, JZ, JT and JF	Fastening screws for sandwich profiles
	ETA-10/0200	Fastening screws JA, JB, JT, JZ and JF	Fastening screws for components + sheet metal
	ETA-21/0420	Fastening screws JT2	Fastening screws for components + sheet metal
	ETA-21/0421	Fastening screws JF	EJOFAST® fastening screws for components + sheet made of metal
	ETA-21/1023	Fastening screws JF	EJOFAST® fastening screws for sandwich profiles
	ETA-21/1107	JC6-D-7.5xL	Concrete screws for fastening sandwich panels
	ETA-22/0126	JT*-ST-2-6.0xL, JF*-(FR/LT)-2-5.5xL E11, JF*-(FR/LT)-2-6.0xL E11, JT*-(FR)-2H-Plus-5.5xL E11, JT*-(FR)-6-5.5xL E11, JZ*-6.3xL E11, JZ*-S-6.3xL,	Fastening of thick to thin metal components
	ETA-22/0641	ECORIV rivets	Blind rivets for fastening metal components
	ETA-22/0870	JT3(6)-LT-2s-Plus-5.5xL JF3(6)-LT-2s-5.5xL, JF3(6)-LT-2-5.5xL,	Fastening screws JT and JF for facade panels made of metal
Flat Roofing	ETA-07/0013	All flat roof products	Fastening elements for roofing membrane systems
Solar	ETA-21/0421	JF3-2-5.5xL / JF3-2-6.0xL	EJOFAST® fastening screws for components + sheet made of metal
	ETA-22/0126	JF3-2-5.5xL / JF3-2-6.0xL	Fastening of thick to thin metal components
	ETA-22/0762	Solar Fastener	Fastening elements for solar installations
Rainscreen Facades	ETA-10/0305	SDF-S-10V, SDF-KB-10V, SDF-S-10H, SDF-KB-10H	Nylon anchors for multiple fixing of non-load-bearing systems into concrete and masonry
	ETA-12/0502	SDP-S-10G, SDP-KB-10G	Nylon anchors for multiple fixing of non-load-bearing systems into concrete and masonry
	ETA-15/0027	SDF-S-14A, SDF-KB-14A	Nylon anchors for multiple fixing of non-load-bearing systems into concrete and masonry
	ETA-15/0387	SDF-S-8V, SDF-KB-8V	Nylon anchors for multiple fixing of non-load-bearing systems into concrete and masonry

Product segment	Number	Products	Contents
Rainscreen Facades	ETA-17/0312	JT4-4-4.8x19 E14, JT3-ST-2-6.0x60	System for exterior wall cladding
	ETA-21/0756	EJOT CROSSFIX substructure system.	Substructure system for rainscreen facades
	ETA-24/0547		Fastening screws JF, JT and JZ for fastening wall brackets.
Anchoring Technology	ETA-01/0011	LIEBIG Superplus self-undercutting anchor M8, M12, M16	Torque-controlled self-undercutting anchor made of galvanically zinc-plated steel or A4 stainless steel for usage in concrete
	ETA-06/0108	LIEBIG safety bolt	Torque-controlled expansion anchor made of galvanically zinc-plated steel for usage in concrete
	ETA-16/0089	MULTIFIX USF, MULTIFIX USF Winter	Bonded anchors for anchoring in masonry
	ETA-16/0107	MULTIFIX USF, MULTIFIX USF Winter	Bonded anchors for anchoring in concrete
	ETA-16/0934	Sormat through bolts S-KA+, S-KAK+, S-KAH +, S-KAH+ HCR / EJOT through bolts BA-V Plus, BA-F Plus, BA-E Plus, BA-E Plus HCR	Torque-controlled expansion anchor in sizes M8, M10, M12 and M16 for use in concrete
	ETA-16/0945	Sormat Concrete Screw S-CSA / EJOT Concrete Screw JC2	Concrete screws in sizes 6, 8 and 10 mm for use in cracked and non-cracked concrete
	ETA-17/0835	JC2 concrete screw	Concrete screws in sizes 6, 8 and 10 mm for use in cracked and non-cracked concrete
	ETA-17/1009	Sormat Concrete Screw S-CSA / EJOT Concrete Screw JC2	Concrete screw of size 6 for multiple use for non-structural application in concrete and in pre stressed hollow core slabs
	ETA-18/0219	BA-V Plus, BA-F Plus, BA-E Plus, BA-E Plus HCR	Torque-controlled expansion anchor in sizes M8, M10, M12 and M16 for use in concrete
	ETA-18/0221	JC2 concrete screw	Concrete screw of size 6 for multiple use for non-structural application in concrete and in pre stressed hollow core slabs
	ETA-20/0446	Sormat Concrete Screw S-CSA+ / EJOT Concrete Screw JC2 Plus	Concrete screws in sizes 8, 10 and 14 mm for use in cracked and non-cracked concrete
	ETA-21/0020	JC2 Plus concrete screw	Concrete screws in sizes 8, 10 and 14 mm for use in cracked and non-cracked concrete
	ETA-22/0413	Sormat Concrete Screw S-CSA A4 / EJOT Concrete Screw JC6	Concrete screws in sizes 6, 8 and 10 mm for use in cracked and non-cracked concrete
	ETA-23/0121	E-CN Ceiling Nail	Anchor made of galvanized steel for multiple fastening of non-structural applications in concrete.

General recommendations

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 are to be considered separately.

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

Quantity determination for screws
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.

Initial sizing | see Page 31
EJOT 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.



Timber Construction

High-quality fastening technology in timber construction

www.ejot.com/timber-construction

Product overview

T-FAST® Plus wood screws

JW2 Plus countersunk head (steel)
JW2-2-Plus-STR-4.0xL 52
JW2-2-Plus-STR-4.5xL 52
JW2-2-Plus-STR-5.0xL 52
JW2-2-Plus-STR-6.0xL 52
JW2-2-Plus-STR-8.0xL 52
JW2 Plus wafer head (steel)
JW2-2-Plus-STR-6.0xL 54
JW2-2-Plus-STR-8.0xL 54
JW4 Plus countersunk head (steel)
JW4-2-Plus-STR-4.5xL 56
JW4-2-Plus-STR-5.0xL 56
JW4-2-Plus-STR-6.0xL 56
JW4 Plus wafer head (steel)
JW4-2-Plus-STR-6.0xL 57
JW4-2-Plus-STR-8.0xL 57

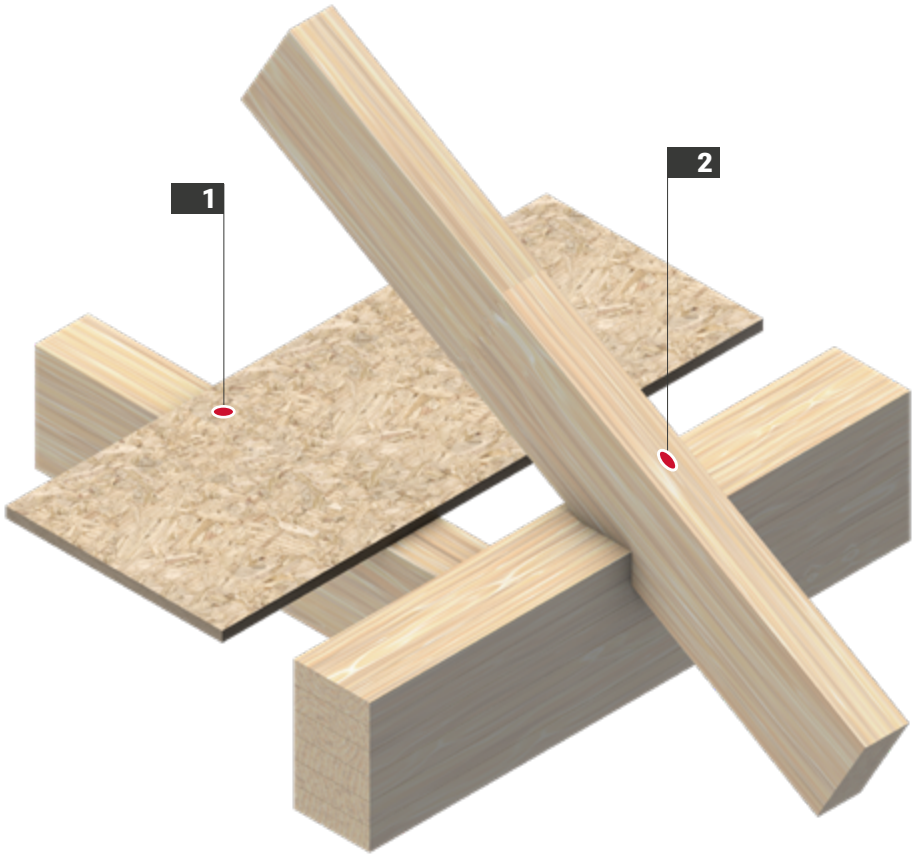
Timber construction

Description

General wood construction connections in the roof area, interior finishing and exterior areas. Fastening of wood, wood-based panels or sheets to wooden components made of solid wood, structural solid wood, glued laminated timber as well as panels made of solid wood, laminated veneer lumber or cross laminated timber in non-weathered and weathered areas.

Application

> Roof: truss rafter to purlin
> Beam layer: plate on ceiling joists
> Wall structure: planking on substructure
> Interior finishing: substructure fastening



No.	Application	Product	Page
1	 19 mm chipboard on ceiling joists	Wood screw JW2-2-Plus-STR-4.0X40/33-V S TX20	52

No.	Application	Product	Page
2	 18 cm rafter on purlin	Wood screw JW2-2-Plus-STS-8.0X240/80-V M TX40	54

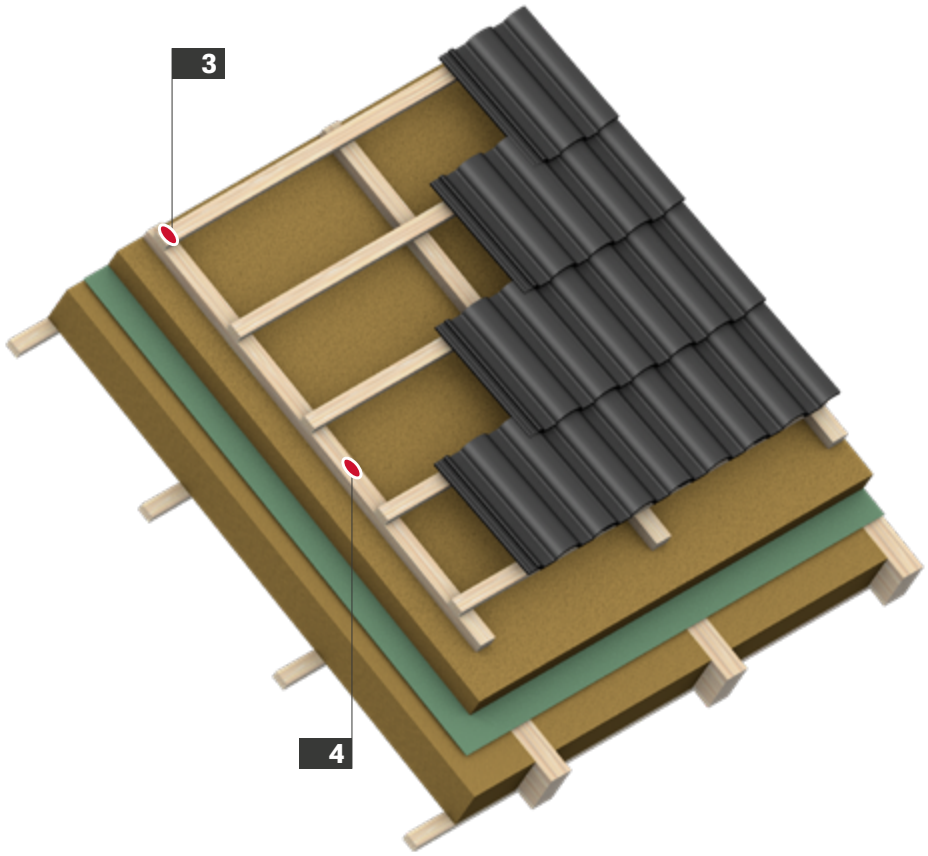
Above-rafter insulation

Description

Thermal insulation reduces heat loss and is the best way to increase energy efficiency. In this case, the above-rafter insulation lies outside the supporting structure and forms a continuous envelope without thermal bridges. It is interesting for the renovation that the insulation thickness is not dictated by the rafter height and that it does not restrict the existing interior height.

Application

> Counter-batten
> Above-rafter insulation
> Load-bearing battens in areas with wind suction peaks



No.	Application	Product	Page
3	 30 mm support lath on 40 mm counter lath	Wood screw JW2-2-Plus-STR-4.0x70/40-V S TX20	52

No.	Application	Product	Page
4	 100 mm Above-rafter insulation fastening	Wood screw JW2-2-Plus-STS-8.0x200/80-V M TX40	54

Product key for T-FAST® Plus wood screws

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

T-FAST® Plus wood screw JW2-2-Plus-STR-6.0x120/70-V M TX30

Example	**J**	**W**	**2**	-	**2-Plus**	-	**STR**	-	**6.0**	x	**120**	/	**70**	-	**V**	**M**	**TX30**
Manufacturer																	
EJOT	**J**																
Screw type																	
T-FAST® wood screw		**W**															
Material																	
Carbon steel			**2**														
Stainless steel CRC II (A2)			4														
Stainless steel CRC III (A4)			9														
T-FAST® Plus point																	
Type					**2-Plus**												
Head style																	
Countersunk head with hexalobular TX and milling ribs							**STR**										
Wafer head with hexalobular TX (STS)							STS										
Cheese head with hexalobular TX							ZT										
Wafer head with hexalobular TX and cylinder							ZTS										
Dimensions																	
Thread outer diameter									[mm]								
Screw length											[mm]						
Thread length													[mm]				
Corrosion protection (only for carbon steel)																	
Special coating T3(15)/C4(15)															R		
Galvanisation T2/C2nw															**V**		
Thread pitch																	
Low thread pitch																S	
Medium pitch																**M**	
Drive																	
Hexalobular TX																	**TX30**

Inherent parts of the order description

Optional parts of the order description

Technical abbreviations

Abbreviation	Description	Unit
b	Component width	mm
d	Thread outer diameter / nominal diameter	mm
d_h	Head diameter	mm
h	Component height	mm

Abbreviation	Description	Unit
l	Screw length	mm
l_g	Thread length	mm
t_1	Component thickness 1	mm

T-FAST® Plus wood screws

T-FAST® Plus is our new wood screw with a striking new screw point for a special processing experience. Fast tip biting, easy screw control and reduced wood splitting enable fast and safe processing in every situation in the workshop and on the construction site.

T-FAST® Plus partial and full thread screws made of carbon steel and stainless steel (hereinafter referred to as 'stainless steel') can be used in a variety of ways to connect and fasten components made of wood, wood-based materials and sheet steel to components made of wood and wood-based materials in load-bearing and non-load-bearing areas. Their CE marking is based on ETA-24/0816 in which further information on properties and processing can be found.

All T-FAST® Plus screws are equipped with TX drive for optimum torque transmission. This ensures simple and controlled processing without a cam-out effect. The cam-out effect describes the "wandering out" of the bit from the screw drive, for example in Z-drives.

Furthermore, the typical "round turning" of the screw drive is effectively prevented with the TX drive. The drive remains intact and disassembly and reassembly of the screw remains possible. This protects the installer, material and machine.

T-FAST® Plus carbon steel wood screws are protected against corrosion by galvanic zinc coating. In load-bearing areas, they may be used in service class 1 (heated interior). T-FAST® screws with d > 4.0 mm may also be used in service class 2 (roofed, non-weathered area with contact to the outside air) according to DIN EN 1995-1-1. T-FAST® Plus stainless steel wood screws may be used in service class 3 (weathered areas under suitable environmental conditions). Exceptions are structures with increased corrosion requirements such as swimming pools or industrial plants with increased corrosive strain.

If you are looking for additional T-FAST® Plus variants beyond the standard delivery range listed below, please contact us.

Note on screw length
Countersunk heads (STR) are added to the screw length.

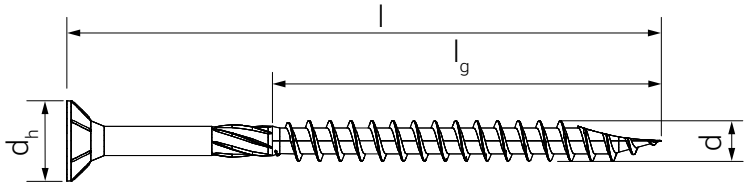


Fig. 1
STR screw (countersunk head)

For screws with surface mounted heads = wafer head (STS), the screw length is measured to below the head.

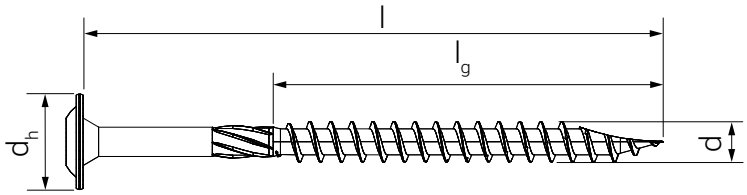


Fig. 2
STS screw (wafer head)

Notes for the reliable product selection in the T-FAST® Plus partial thread screw range

The rule 4 x d applies as a minimum specification for the installation depth into the point-side wood. However, the length of the T-FAST® Plus Partial Thread Screws should be selected in such a way that there is no thread in the head-side component (component 1) after fixing. This allows the screw to pull the two components together.

The following notes are intended to facilitate the correct selection of a suitable screw.

Head styles
T-FAST® Plus STR with countersunk head can be used universally and can be countersunk flush with the surface in wood and wood-based materials. Steel components are pre-sunk with a 90-degree countersink angle at least to head diameter d_h.

T-FAST® Plus STS with wafer head are versatile in timber construction. With the larger flat mounted head, they can pull components together more forcefully during assembly compared to countersunk heads and transmit greater tensile forces when installed, allowing them to withstand greater load effects.

Screw diameter
As a rule, all T-FAST® Plus may be fastened into all component thicknesses. However, a T-FAST® Plus with d = 8.0 mm, which is to be screwed into wooden components with t1 < 30 mm, would have to be predrilled. But in this case the T-FAST® Plus with d = 8.0 mm would be significantly oversized compared to the wooden component.

For the selection of a reasonable screw diameter, the thickness of the component to be fastened can be divided by the value 6.5. In the case of odd results, rounding should be done sensibly.

For a 40 mm thick wood plank, a reasonable screw diameter is 6.0 mm:

Plank t_1 = 40 mm
40 mm ÷ 6.5 = 6.15 mm ≈ 6.0 mm (rounded off)

With very thin component thicknesses made of solid wood, rounding up should rather be used. For a 24 mm thick board formwork, the screw diameter is 4.0 mm:

Board formwork t_1 = 24 mm
24 mm ÷ 6.5 = 3.69 mm ≈ 4.0 mm (rounded up)

For particleboard, a minimum screw diameter of 4.0 mm should be used.

Screw length
For easy tightening of wooden components, we recommend using T-FAST® Plus with partial thread. Select the screw length such that there is no screw thread in the component under the screw head, but only the threadless screw shaft. The shaft length can be easily determined by subtracting the thread length from the screw length. For the following standard applications, you will find our T-FAST® Plus product recommendations. For screw lengths of 70, 80 and 90 mm, we have slightly increased the shank lengths to improve usability with common component thicknesses. If a material with increased strength properties is located beneath the screw head, it may be advisable—when using countersunk screws—to select longer screws with a longer partial thread, so that the longer threaded portion is able to pull the screw head into the stronger material with a higher tensile force.

For the construction of floors, we recommend fastening the associated panels or planks with T-FAST® Plus full-thread screws to prevent squeaking of the floor later on.
For fastening steel components with appropriate pre-drilling, T-FAST® Plus screws with full thread or long partial thread are suitable. For pre-drilled and countersunk steel components, T-FAST® Plus with STR countersunk head are suitable. For pre-drilled steel components without a countersink, T-FAST® Plus with a flat-lying screw head, such as the STS wafer head, are appropriate.

Application examples and product recommendations		
Component 1	**Dimensions component 1**	**Product recommendation**
Wood chipboard	t_1 = 19 mm	T-FAST® Plus JW2-2-Plus-STR-4.0X40/24-V S TX20
Board formwork	t_1 = 24 mm	T-FAST® Plus JW2-2-Plus-STR-4.0X60/35-V S TX20
Supporting lath lying flat in horizontal orientation (with a stressed upper edge)	h x b = 30 x 50 mm	T-FAST® Plus JW2-2-Plus-STR-4.0X70/40-V S TX20 (with 28 mm distance to the upper edge)
Counter batten horizontal (with a stressed upper edge)	h x b = 40 x 60 mm	T-FAST® Plus JW2-2-Plus-STR-4.5X80/40-V S TX20 (with 32 mm distance to the upper edge)
Plank	t_1 = 40 mm	T-FAST® Plus JW2-2-Plus-STR-6.0X80/40-V S TX30 T-FAST® Plus JW2-2-Plus-STR-6.0X100/60-V S TX30 T-FAST® Plus JW2-2-Plus-STS-6.0X120/70-V M TX30

NEW T-FAST® Plus wood screw JW2 countersunk head

T-FAST



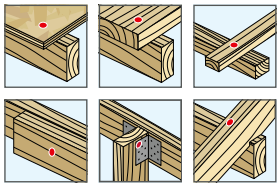
Application range

- Fastening of non-pre-drilled or pre-drilled components made of wood, wood-based material and pre-drilled and pre-set steel components to non-pre-drilled or pre-drilled components made of solid wood, solid structural timber (KVH), glued-laminated timber (BSH), laminated veneer lumber (LVL)
- For non-weathered areas

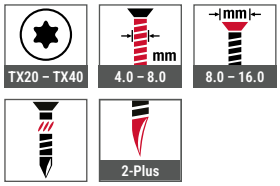
Characteristics

- Carbon steel with zinc-plated surface and dry lubricant
- Countersunk (STR) head with milling ribs on the underside makes it easier to countersink the head for surface-fixed installation
- The end mill at the transition to the non-threaded fastener shaft reduces the installation torque and simplifies the installation process (from 50 mm shaft length)
- Full and partial thread
- Optimised thread geometry for improved prevention of screw over-tightening with short screws and accelerated processing with long screws
- T-FAST® Plus point geometry for fast point biting and efficient reduction of wood splitting

Applications



Technical specifications



Certifications

CE ETA-24/0816

Cross references	page
Cordless screwdriver	
ASCS QSW	422
Bit hexalobular TX	439
Bit holder	446

Product in the online shop

Order description	d [mm]	l [mm]	l_g [mm]	d_h [mm]	drive	PU [pieces]	Price/100 [EUR]	Article number	EAN
d 4.0 – full-threaded screw									
JW2-2-Plus-STR-4.0X25/18-V S TX20	4.0	25	18	8.0	TX20	200		3820000373	4061245124117
JW2-2-Plus-STR-4.0X30/23-V S TX20	4.0	30	23	8.0	TX20	200		3820000374	4061245124124
JW2-2-Plus-STR-4.0X35/28-V S TX20	4.0	35	28	8.0	TX20	200		3820000375	4061245124131
JW2-2-Plus-STR-4.0X40/33-V S TX20	4.0	40	33	8.0	TX20	200		3820000376	4061245124148
d 4.0 – partial threaded screw									
JW2-2-Plus-STR-4.0X35/24-V S TX20	4.0	35	24	8.0	TX20	200		3820000377	4061245124155
JW2-2-Plus-STR-4.0X40/24-V S TX20	4.0	40	24	8.0	TX20	200		3820000378	4061245124162
JW2-2-Plus-STR-4.0X45/25-V S TX20	4.0	45	25	8.0	TX20	200		3820000379	4061245124179
JW2-2-Plus-STR-4.0X50/30-V S TX20	4.0	50	30	8.0	TX20	200		3820000380	4061245124186
JW2-2-Plus-STR-4.0X60/35-V S TX20	4.0	60	35	8.0	TX20	200		3820000381	4061245124193
JW2-2-Plus-STR-4.0X70/40-V S TX20	4.0	70	40	8.0	TX20	200		3820000382	4061245124209
d 4.5 – full-threaded screw									
JW2-2-Plus-STR-4.5X25/18-V S TX20	4.5	25	18	9.0	TX20	200		3820000383	4061245124216
JW2-2-Plus-STR-4.5X30/23-V S TX20	4.5	30	23	9.0	TX20	200		3820000384	4061245124223
JW2-2-Plus-STR-4.5X35/28-V S TX20	4.5	35	28	9.0	TX20	200		3820000385	4061245124230
JW2-2-Plus-STR-4.5X40/33-V S TX20	4.5	40	33	9.0	TX20	200		3820000386	4061245124247
JW2-2-Plus-STR-4.5X45/38-V S TX20	4.5	45	38	9.0	TX20	200		3820000387	4061245124254
JW2-2-Plus-STR-4.5X50/43-V S TX20	4.5	50	43	9.0	TX20	200		3820000388	4061245124261

Order description	d [mm]	l [mm]	l_g [mm]	d_h [mm]	drive	PU [pieces]	Price/100 [EUR]	Article number	EAN
d 4.5 – partial threaded screw									
JW2-2-Plus-STR-4.5X40/24-V S TX20	4.5	40	24	9.0	TX20	200		3820000389	4061245124278
JW2-2-Plus-STR-4.5X45/25-V S TX20	4.5	45	25	9.0	TX20	200		3820000390	4061245124285
JW2-2-Plus-STR-4.5X50/30-V S TX20	4.5	50	30	9.0	TX20	200		3820000391	4061245124292
JW2-2-Plus-STR-4.5X60/35-V S TX20	4.5	60	35	9.0	TX20	200		3820000392	4061245124308
JW2-2-Plus-STR-4.5X70/40-V S TX20	4.5	70	40	9.0	TX20	200		3820000393	4061245124315
JW2-2-Plus-STR-4.5X80/40-V S TX20	4.5	80	40	9.0	TX20	200		3820000394	4061245124322
d 5.0 – full-threaded screw									
JW2-2-Plus-STR-5.0X40/33-V S TX20	5.0	40	33	10.0	TX20	200		3820000395	4061245124339
JW2-2-Plus-STR-5.0X50/43-V S TX20	5.0	50	43	10.0	TX20	200		3820000396	4061245124346
JW2-2-Plus-STR-5.0X60/53-V S TX20	5.0	60	53	10.0	TX20	200		3820000397	4061245124353
JW2-2-Plus-STR-5.0X70/63-V S TX20	5.0	70	63	10.0	TX20	200		3820000398	4061245124360
d 5.0 – partial threaded screw									
JW2-2-Plus-STR-5.0X50/30-V S TX20	5.0	50	30	10.0	TX20	200		3820000399	4061245124377
JW2-2-Plus-STR-5.0X60/35-V S TX20	5.0	60	35	10.0	TX20	200		3820000400	4061245124384
JW2-2-Plus-STR-5.0X70/40-V S TX20	5.0	70	40	10.0	TX20	200		3820000401	4061245124391
JW2-2-Plus-STR-5.0X80/40-V S TX20	5.0	80	40	10.0	TX20	200		3820000402	4061245124407
JW2-2-Plus-STR-5.0X90/45-V S TX20	5.0	90	45	10.0	TX20	100		3820000403	4061245124414
JW2-2-Plus-STR-5.0X100/60-V S TX20	5.0	100	60	10.0	TX20	100		3820000404	4061245124421
JW2-2-Plus-STR-5.0X120/70-V S TX20	5.0	120	70	10.0	TX20	100		3820000405	4061245124438
d 6.0 – partial threaded screw									
JW2-2-Plus-STR-6.0X50/30-V S TX30	6.0	50	30	12.0	TX30	200		3820000406	4061245124445
JW2-2-Plus-STR-6.0X60/35-V S TX30	6.0	60	35	12.0	TX30	200		3820000407	4061245124452
JW2-2-Plus-STR-6.0X70/40-V S TX30	6.0	70	40	12.0	TX30	200		3820000408	4061245124469
JW2-2-Plus-STR-6.0X80/40-V S TX30	6.0	80	40	12.0	TX30	200		3820000409	4061245124476
JW2-2-Plus-STR-6.0X90/45-V S TX30	6.0	90	45	12.0	TX30	100		3820000410	4061245124483
JW2-2-Plus-STR-6.0X100/60-V S TX30	6.0	100	60	12.0	TX30	100		3820000411	4061245124490
JW2-2-Plus-STR-6.0x120/70-V M TX30	6.0	120	70	12.0	TX30	100		3820000412	4061245124506
JW2-2-Plus-STR-6.0x140/70-V M TX30	6.0	140	70	12.0	TX30	100		3820000413	4061245124513
JW2-2-Plus-STR-6.0x160/70-V M TX30	6.0	160	70	12.0	TX30	100		3820000414	4061245124520
JW2-2-Plus-STR-6.0x180/70-V M TX30	6.0	180	70	12.0	TX30	100		3820000415	4061245124537
JW2-2-Plus-STR-6.0x200/70-V M TX30	6.0	200	70	12.0	TX30	100		3820000416	4061245124551
JW2-2-Plus-STR-6.0x220/70-V M TX30	6.0	220	70	12.0	TX30	100		3820000417	4061245124544
JW2-2-Plus-STR-6.0x240/70-V M TX30	6.0	240	70	12.0	TX30	100		3820000418	4061245124568
JW2-2-Plus-STR-6.0x260/70-V M TX30	6.0	260	70	12.0	TX30	100		3820000419	4061245124575
d 8.0 – partial threaded screw									
JW2-2-Plus-STR-8.0x120/80-V M TX40	8.0	120	80	15.0	TX40	50		3820000420	4061245124582
JW2-2-Plus-STR-8.0x140/80-V M TX40	8.0	140	80	15.0	TX40	50		3820000421	4061245124599
JW2-2-Plus-STR-8.0x160/80-V M TX40	8.0	160	80	15.0	TX40	50		3820000422	4061245124605
JW2-2-Plus-STR-8.0x180/80-V M TX40	8.0	180	80	15.0	TX40	50		3820000423	4061245124612
JW2-2-Plus-STR-8.0x200/80-V M TX40	8.0	200	80	15.0	TX40	50		3820000424	4061245124629
JW2-2-Plus-STR-8.0x220/80-V M TX40	8.0	220	80	15.0	TX40	50		3820000425	4061245124636
JW2-2-Plus-STR-8.0x240/80-V M TX40	8.0	240	80	15.0	TX40	50		3820000426	4061245124643
JW2-2-Plus-STR-8.0x260/80-V M TX40	8.0	260	80	15.0	TX40	50		3820000427	4061245124650
JW2-2-Plus-STR-8.0x280/80-V M TX40	8.0	280	80	15.0	TX40	50		3820000428	4061245124667
JW2-2-Plus-STR-8.0x300/80-V M TX40	8.0	300	80	15.0	TX40	50		3820000429	4061245124674
JW2-2-Plus-STR-8.0x320/80-V M TX40	8.0	320	80	15.0	TX40	50		3820000430	4061245124681
JW2-2-Plus-STR-8.0x340/80-V M TX40	8.0	340	80	15.0	TX40	50		3820000431	4061245124698
JW2-2-Plus-STR-8.0x360/80-V M TX40	8.0	360	80	15.0	TX40	50		3820000432	4061245124704

NEW T-FAST® Plus wood screw JW2 wafer head

T-FAST



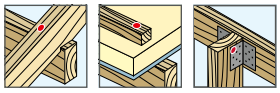
Application range

- Fastening of non-pre-drilled or pre-drilled components made of wood, wood-based material and pre-drilled and pre-set steel components to non-pre-drilled or pre-drilled components made of solid wood, solid structural timber (KVH), glued-laminated timber (BSH), solid wood panels, laminated veneer lumber (LVL), wood-based panels or cross-laminated timber
- For non-weathered areas
- Suitable for fastening over-rafter insulation systems
- Ideal solution for fixing rafters onto purlins

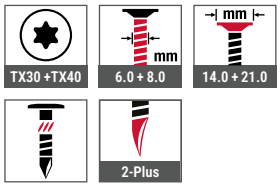
Characteristics

- Carbon steel with zinc-plated surface and dry lubricant
- Wafer head (STS) for strong tightening during installation and increased holding forces after installation
- The end mill at the transition to the non-threaded fastener shaft reduces the installation torque and simplifies the installation process (from 50 mm shaft length)
- Full and partial thread
- Optimised thread geometry for improved prevention of screw over-tightening with short screws and accelerated processing with long screws
- T-FAST® Plus point geometry for fast point biting and efficient reduction of wood splitting enables fast processing

Applications



Technical specifications



Certifications

CE ETA-24/0816

Cross references	page
Cordless screwdriver	
ASCS QSW	422
Bit hexalobular TX	439
Bit holder	446

Product in the online shop

Order description	d [mm]	l [mm]	l_g [mm]	d_h [mm]	Drive	PU [pieces]	Price/100 [EUR]	Article number	EAN
d 6.0 – full-threaded screw									
JW2-2-Plus-STS-6.0x40/35-V S TX30	6.0	40	35	14.0	TX30	100		3820000433	4061245124711
JW2-2-Plus-STS-6.0x60/52-V S TX30	6.0	60	52	14.0	TX30	100		3820000434	4061245124728
JW2-2-Plus-STS-6.0x80/70-V S TX30	6.0	80	70	14.0	TX30	100		3820000435	4061245124735
d 6.0 – partial threaded screw									
JW2-2-Plus-STS-6.0x100/80-V S TX30	6.0	100	80	14.0	TX30	100		3820000436	4061245124742
JW2-2-Plus-STS-6.0x120/70-V M TX30	6.0	120	70	14.0	TX30	100		3820000437	4061245124759
JW2-2-Plus-STS-6.0x140/70-V M TX30	6.0	140	70	14.0	TX30	100		3820000438	4061245124766
JW2-2-Plus-STS-6.0x160/70-V M TX30	6.0	160	70	14.0	TX30	100		3820000439	4061245124773
JW2-2-Plus-STS-6.0x180/70-V M TX30	6.0	180	70	14.0	TX30	100		3820000233	4061245124780
JW2-2-Plus-STS-6.0x200/70-V M TX30	6.0	200	70	14.0	TX30	100		3820000441	4061245124797
JW2-2-Plus-STS-6.0x220/70-V M TX30	6.0	220	70	14.0	TX30	100		3820000442	4061245124803
JW2-2-Plus-STS-6.0x240/70-V M TX30	6.0	240	70	14.0	TX30	100		3820000443	4061245124810
JW2-2-Plus-STS-6.0x260/70-V M TX30	6.0	260	70	14.0	TX30	100		3820000444	4061245124827
JW2-2-Plus-STS-6.0x280/70-V M TX30	6.0	280	70	14.0	TX30	100		3820000445	4061245124834
JW2-2-Plus-STS-6.0x300/70-V M TX30	6.0	300	70	14.0	TX30	100		3820000246	4061245124841
d 8.0 – full-threaded screw									
JW2-2-Plus-STS-8.0x50/40-V M TX40	8.0	50	40	21.0	TX40	50		3820000447	4061245124858
JW2-2-Plus-STS-8.0x60/50-V M TX40	8.0	60	50	21.0	TX40	50		3820000448	4061245124865
JW2-2-Plus-STS-8.0x80/70-V M TX40	8.0	80	70	21.0	TX40	50		3820000449	4061245124872

Order description	d [mm]	l [mm]	l_g [mm]	d_h [mm]	Drive	PU [pieces]	Price/100 [EUR]	Article number	EAN
d 8.0 – partial threaded screw									
JW2-2-Plus-STS-8.0x100/80-V M TX40	8.0	100	80	21.0	TX40	50		3820000450	4061245124889
JW2-2-Plus-STS-8.0x120/80-V M TX40	8.0	120	80	21.0	TX40	50		3820000451	4061245124896
JW2-2-Plus-STS-8.0x140/80-V M TX40	8.0	140	80	21.0	TX40	50		3820000452	4061245124902
JW2-2-Plus-STS-8.0x160/80-V M TX40	8.0	160	80	21.0	TX40	50		3820000453	4061245124919
JW2-2-Plus-STS-8.0x180/80-V M TX40	8.0	180	80	21.0	TX40	50		3820000454	4061245124926
JW2-2-Plus-STS-8.0x200/80-V M TX40	8.0	200	80	21.0	TX40	50		3820000234	4061245124933
JW2-2-Plus-STS-8.0x220/80-V M TX40	8.0	220	80	21.0	TX40	50		3820000456	4061245124940
JW2-2-Plus-STS-8.0x240/80-V M TX40	8.0	240	80	21.0	TX40	50		3820000457	4061245124957
JW2-2-Plus-STS-8.0x260/80-V M TX40	8.0	260	80	21.0	TX40	50		3820000458	4061245124964
JW2-2-Plus-STS-8.0x280/80-V M TX40	8.0	280	80	21.0	TX40	50		3820000459	4061245124971
JW2-2-Plus-STS-8.0x300/80-V M TX40	8.0	300	80	21.0	TX40	50		3820000460	4061245124988
JW2-2-Plus-STS-8.0x320/80-V M TX40	8.0	320	80	21.0	TX40	50		3820000461	4061245124995
JW2-2-Plus-STS-8.0x340/80-V M TX40	8.0	340	80	21.0	TX40	50		3820000462	4061245125008
JW2-2-Plus-STS-8.0x360/80-V M TX40	8.0	360	80	21.0	TX40	50		3820000488	4061245125015
JW2-2-Plus-STS-8.0x380/80-V M TX40	8.0	380	80	21.0	TX40	50		3820000464	4061245125022
JW2-2-Plus-STS-8.0x400/80-V M TX40	8.0	400	80	21.0	TX40	50		3820000465	4061245125039

NEW T-FAST® Plus wood screw JW4 countersunk head

T-FAST



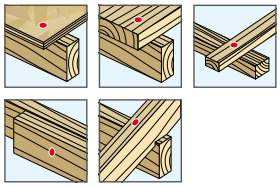
Application range

- Fastening of non-pre-drilled or pre-drilled components made of wood, wood-based material and pre-drilled and pre-set steel components to non-pre-drilled or pre-drilled components made of solid wood, solid structural timber (KVH), glued-laminated timber (BSH), solid wood panels, laminated veneer lumber (LVL), wood-based panels or cross-laminated timber
- For weathered areas
- Suitable for universal application

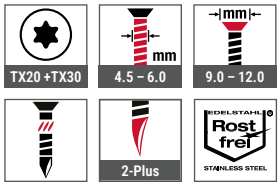
Characteristics

- Stainless steel CRC II or stainless steel A2 with dry lubricant
- Countersunk (STR) head with milling ribs on the underside makes it easier to countersink the head for surface-fixed installation
- The end mill at the transition to the non-threaded fastener shaft reduces the installation torque and simplifies the installation process (from 50 mm shaft length)
- Partial thread for tightening the components to be fastened
- Optimised thread geometry for improved prevention of screw over-tightening
- T-FAST® Plus point geometry facilitates the screwing-in process through quick point biting, low screwing-in torque and efficiently reduced wood splitting

Applications



Technical specifications



Certifications

CE
ETA-24/0816

Cross references	page
Cordless screwdriver ASCS QSW	422
Bit hexalobular TX	439
Bit holder	446

Product in the online shop

Order description	d [mm]	l [mm]	l_g [mm]	d_h [mm]	Drive	PU [pieces]	Price/100 [EUR]	Article number	EAN
d 4.5 – partial threaded screw									
JW4-2-Plus-STR-4.5X50/30 S TX20	4.5	50	30	9.0	TX20	200		3820000466	4061245123738
JW4-2-Plus-STR-4.5X60/35 S TX20	4.5	60	35	9.0	TX20	200		3820000467	4061245123745
JW4-2-Plus-STR-4.5X70/40 S TX20	4.5	70	40	9.0	TX20	200		3820000468	4061245123752
JW4-2-Plus-STR-4.5X80/40 S TX20	4.5	80	40	9.0	TX20	200		3820000469	4061245123769
d 5.0 – partial threaded screw									
JW4-2-Plus-STR-5.0X50/30 S TX20	5.0	50	30	10.0	TX20	200		3820000470	4061245123776
JW4-2-Plus-STR-5.0X60/35 S TX20	5.0	60	35	10.0	TX20	200		3820000471	4061245123783
JW4-2-Plus-STR-5.0X70/40 S TX20	5.0	70	40	10.0	TX20	200		3820000472	4061245123790
JW4-2-Plus-STR-5.0X80/40 S TX20	5.0	80	40	10.0	TX20	200		3820000473	4061245123806
JW4-2-Plus-STR-5.0X90/45 S TX20	5.0	90	45	10.0	TX20	100		3820000474	4061245123813
JW4-2-Plus-STR-5.0X100/60 S TX20	5.0	100	60	10.0	TX20	100		3820000475	4061245123820
JW4-2-Plus-STR-5.0X120/70 S TX20	5.0	120	70	10.0	TX20	100		3820000476	4061245123837
d 6.0 – partial threaded screw									
JW4-2-Plus-STR-6.0X50/30 S TX30	6.0	50	30	12.0	TX30	200		3820000477	4061245123844
JW4-2-Plus-STR-6.0X60/35 S TX30	6.0	60	35	12.0	TX30	200		3820000478	4061245123851
JW4-2-Plus-STR-6.0X70/40 S TX30	6.0	70	40	12.0	TX30	200		3820000479	4061245123868
JW4-2-Plus-STR-6.0X80/40 S TX30	6.0	80	40	12.0	TX30	200		3820000480	4061245123875
JW4-2-Plus-STR-6.0X90/45 S TX30	6.0	90	45	12.0	TX30	100		3820000481	4061245123882
JW4-2-Plus-STR-6.0X100/60 S TX30	6.0	100	60	12.0	TX30	100		3820000482	4061245123899

NEW T-FAST® Plus wood screw JW4 wafer head

T-FAST



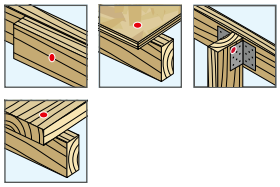
Application range

- Fastening of non-pre-drilled or pre-drilled components made of wood, wood-based material and pre-drilled and pre-set steel components to non-pre-drilled or pre-drilled components made of solid wood, solid structural timber (KVH), glued-laminated timber (BSH), solid wood panels, laminated veneer lumber (LVL), wood-based panels or cross-laminated timber
- For weathered areas
- Suitable for universal application

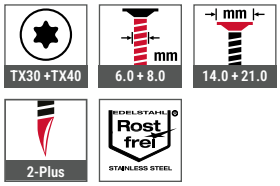
Characteristics

- Stainless steel CRC II or stainless steel A2 with dry lubricant
- Wafer head (STS) for strong tightening during installation and increased holding forces after installation
- Full and partial thread
- Optimised thread geometry for improved prevention of screw over-tightening with short screws and accelerated processing with long screws
- T-FAST® Plus point geometry facilitates the screwing-in process through quick point biting, low screwing-in torque and efficiently reduced wood splitting

Applications



Technical specifications



Certifications

CE ETA-24/0816

Product in the online shop

Cross references	page
Cordless screwdriver ASCS QSW	422
Bit hexalobular TX	439
Bit holder	446

Order description	d [mm]	l [mm]	l_g [mm]	d_h [mm]	Drive	PU [pieces]	Price/100 [EUR]	Article number	EAN
d 6.0 – full-threaded screw									
JW4-2-Plus-STS-6.0x40/35 S TX30	6.0	40	35	14.0	TX30	100		3820000483	4061245123905
JW4-2-Plus-STS-6.0x60/52 S TX30	6.0	60	52	14.0	TX30	100		3820000484	4061245123912
JW4-2-Plus-STS-6.0x80/70 S TX30	6.0	80	70	14.0	TX30	100		3820000485	4061245123929
d 6.0 – partial threaded screw									
JW4-2-Plus-STS-6.0x100/80 S TX30	6.0	100	80	14.0	TX30	100		3820000486	4061245123936
d 8.0 – full-threaded screw									
JW4-2-Plus-STS-8.0x60/50 M TX40	8.0	60	50	21.0	TX40	50		3820000487	4061245123943
JW4-2-Plus-STS-8.0x80/70 M TX40	8.0	70	70	21.0	TX40	50		3820000440	4061245123950
d 8.0 – partial threaded screw									
JW4-2-Plus-STS-8.0x100/80 M TX40	8.0	100	80	21.0	TX40	50		3820000446	4061245123967
JW4-2-Plus-STS-8.0x120/80 M TX40	8.0	120	80	21.0	TX40	50		3820000455	4061245123974



Industrial Lightweight Construction

High-quality fasteners for fixing profiled sheets and sandwich panels in the industrial lightweight construction sector

www.ejot.com/industrial-lightweight-construction

Product overview

EJOFAST® self-drilling screws

JF2 (steel)

JF2-2H-4.8xL 84

JF3 (A2 stainless steel + steel)

JF3-2H-4.8xL 98
JF3-FR-2-5.5xL 99
JF3-Plus-4.9xL 100
JF3-FR-Plus-4.9xL 101
JF3-Plus-6.8xL 102

Self-drilling screws

JT2 (steel)

JT2-2H-4.8xL EJOGUARD 85
JT2-3-4.8xL EJOGUARD 86
JT2-2H-Plus-5.5xL F12 EJOGUARD 87
JT2-6-5.5xL F12 EJOGUARD 88
JT2-6-6.3xL F12 EJOGUARD 89
JT2-12-5.5xL F12 EJOGUARD 90
JT2-18-5.5xL F12 EJOGUARD 91
JT2-FZ-6-6.3xL F12 EJOGUARD 92
JT2-FZ-12-6.3xL F12 EJOGUARD 93
JT2-FZ-F-6.5xL 94
JT2-ST-2-6.0xL EJOGUARD 95
JT2-ST-2-6.8xL EJOGUARD 96
JT2-WD-5-5.5xL EJOGUARD 97

JT3 (A2 stainless steel + steel)

JT3-2H-4.8xL 104
JT3-FR-2H-4.8xL 105
JT3-2H-Plus-5.5xL 106
JT3-FR-2H-Plus-5.5xL 107
JT3-2-6.5xL 108
JT3-6-5.5xL 110
JT3-FR-6-5.5xL 112
JT3-6-6.3xL 113
JT3-12-5.5xL 114
JT3-FR-12-5.5xL 116
JT3-18-5.5xL 117
JT3-D-6H-5.5/6.3xL 118
JT3-D-12H-5.5/6.3xL 120
JT3-ST-2-6.0xL 124
JT3-X-2-6.0xL 125
JT3-WD-6-5.5xL 126
JT3-2H-40-6.0/6.0xL 127
JT3-2H-80-6.0/6.0xL 127

JT4 (A2 stainless steel)

JT4-4-4.8xL 128
JT4-6-5.5xL 129
JT4-FR-2-4.9xL 130
JT4-FR-4-4.8xL 131
JT4-FR-4-5.5xL 132
JT4-FZ-6.5xL 133

JT6 (A4 stainless steel + steel)

JT6-2H-Plus-5.5xL 134
JT6-6-5.5xL 135
JT6-12-5.5xL 136

Concrete screw

JC6 (A4 stainless steel)

JC6-D-7.5xL 123

Self-tapping Screws

JZ5 (A2 stainless steel + steel)

JZ5-6.3xL 140
JZ5-8.0xL 142

JZ1 (A8 stainless steel)

JZ1-6.3xL 143

JA1 (A8 stainless steel)

JA1-6.5xL 144

JZ3 (A2 stainless steel)

JZ3-S-6.3xL 145

JA3 (A2 stainless steel)

JA3-LT-4.9xL 146
JA3-S-6.5xL 147

JB3 (A2 stainless steel)

JB3-7.2xL 148

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AL/E 4.0xL 167
AL/E 4.8xL 167

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ALU 5.2xL 169

Metal construction fasteners

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JA3-GU-6.5xL 171
JZ5-GU-6.3xL 172

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DEKTITE®

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Pipe flashings

DEKTITE® Square Set 175
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Accessories

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Sealing washers (A2 stainless steel)

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Profile fillers

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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

Example	**J**	**T**	**3**	-	**FR**	-	**2**	**H**	-	**4.8**	x	**19**	-	**E**	**11**	-	**9006**
EJOT	**J**																
Screw type																	
Concrete screw		C															
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 point			**3**														
A4 stainless steel with hardened steel point			6														
A2 stainless steel			4														
A4 stainless steel			9														
Self-tapping screw material																	
A8 stainless steel / CORREMAKS®			1														
Zinc-plated steel			2														
A2 stainless steel			3														
A2 stainless steel with hardened steel dog point			5														
A2 stainless steel / CRONIMAKS			7														
Version																	
Standard (hexagon)																	
Truss head					**FR**												
Hexalobular TX drive					T/TX												
Distance					D												
Special head geometry					X												
Countersunk head with hexalobular TX					ST												
Countersunk flange head with hexalobular TX					STS												
Countersunk head TX ribs					STR												
Cheese head with hexalobular TX					ZT												
Countersunk head					S												
Pan head with hexalobular TX					LT												
Pan head with hexalobular TX and cutting ring					XT												
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			
A2 stainless steel														**E**			
Aluminium														A			
Sealing washer diameter															[mm]		
Colour (4-digit RAL number)																	[RAL]

Inherent parts of the order description

Optional parts of the order description

Screws types in industrial lightweight construction

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 (SW)


Hexalobular TX drive (T/TX)

Head geometries and versions


Special head geometry (X)


Countersunk flange head with hexalobular TX (STS)

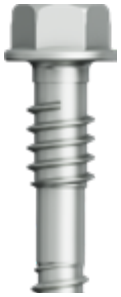

Cheese head with hexalobular TX (ZT)


Truss head (FR)


Pan head with hexalobular (TX)


Countersunk head with hexalobular TX and milling ribs (ST)


Countersunk head (S)


High thread with distance (D)


Fibre cement (FZ)

Technical abbreviations

Abbreviation	Description	Unit
d_{sw}	Pre-drilled hole in sandwich panel	mm
DC	Drilling capacity	mm
L	Length	mm

Abbreviation	Description	Unit
lg	Thread length	mm
SW	Wrench size	mm

Tin tile roof

Description

Single-sheet uninsulated profile roof, purlin design. The roof cladding is fastened to wooden slats and it is weather-exposed.

Application

> Roof overhangs
> Sheds
> Carports

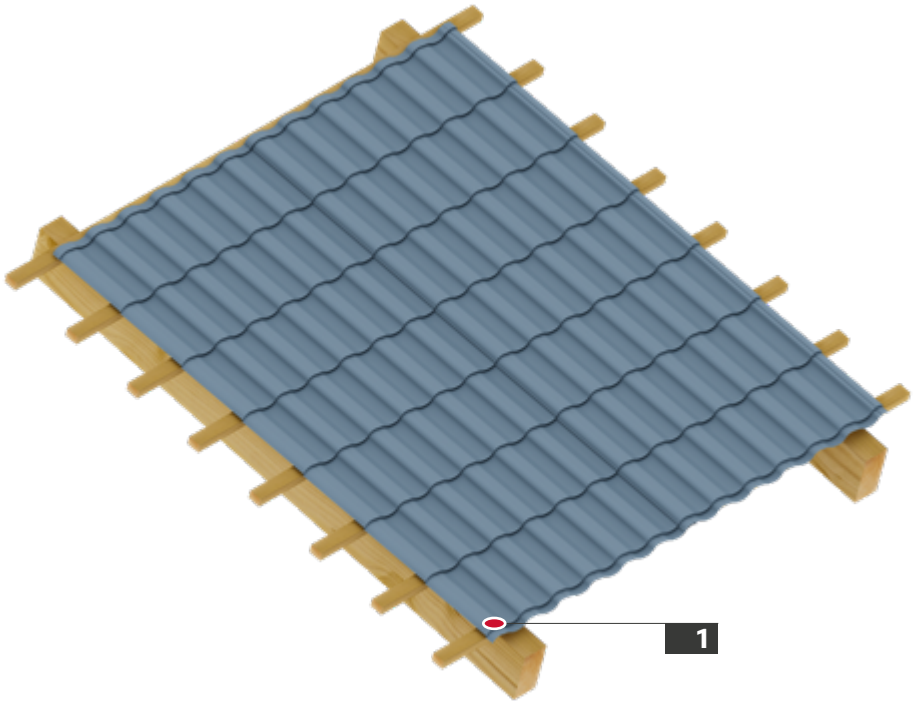
Single-sheet profile roof

Description

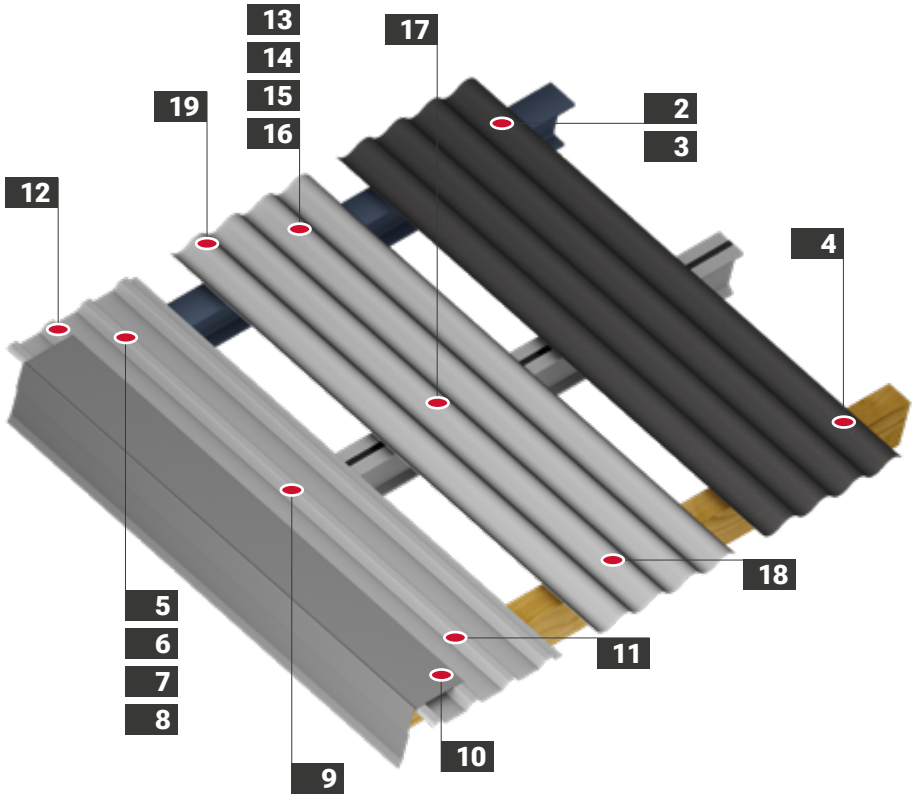
Single-sheet uninsulated profile roof, purlin design. The roof cladding is directly fastened to the purlins and it is weather-exposed.

Application

> Roof overhangs
> Sheds
> Carports



No.	Application	Product	Page
1	 Roofing sheet to timber substructure	Self-drilling screw JF3-Plus-4.9x35 E14	100



No.	Application	Product	Page
2	Fibre cement board to 1.5-5.0 mm steel purlin	Self-drilling screw JT2-FZ-6-6.3 F12	92
3	Fibre cement board to 4.0-12.0 mm steel purlin	Self-drilling screw JT2-FZ-12-6.3 F12	93
4	Fibre cement board to timber purlin min. width 65 mm	Self-drilling screw JT2-FZ-F-6.5 F12	94
5	Trapezoidal profile to 1.5-4.0 mm steel purlin	Self-drilling screw JT3-6-5.5xL-E16 + ORKAN storm washer	110
6	Trapezoidal profile to 4.0-10.0 mm steel purlin	Self-drilling screw JT3-12-5.5xL-E16 + ORKAN storm washer	114
7	Trapezoidal profile to 4.0-16.0 mm steel purlin	Self-drilling screw JT3-18-5.5xL-E16 + ORKAN storm washer	117
8	Trapezoidal profile to steel purlin ≥ 1.5 mm	Self-tapping screw JZ5-6.3xL-E16 + ORKAN storm washer	140
9	Trapezoidal profile to 3.0 mm insertion rail	Self-tapping screw JZ5-6.3xL-E16 + ORKAN storm washer	140
10	Fastening flashings to trapezoidal profile 2 x 0.88 mm	EJOFAST® self-drilling screw JF3-2H-4.8x19-E14	98

No.	Application	Product	Page
11	Trapezoidal profile to timber purlin min. width 60 mm	EJOFAST® self-drilling screw JF3-plus -6.8xL-E16 + ORKAN storm washer	102
12	Side lap stitching of trapezoidal profile ≤ 2 x 0.88 mm	EJOFAST® self-drilling screw JF3-2H-4.8x19-E14	98
13	Corrugated profile sheet to 1.5 – 4.0 mm steel purlin	Self-drilling screw JT3-6-5.5xL-E16 + ORKAN storm washer	110
14	Corrugated profile sheet to 4.0 – 10.0 mm steel purlin	Self-drilling screw JT3-12-5.5xL-E16 + ORKAN storm washer	114
15	Corrugated profile sheet to 4.0 – 16.0 mm steel purlin	Self-drilling screw JT3-18-5.5xL-E16 + ORKAN storm washer	117
16	Corrugated profile sheet to steel purlin ≥ 1.5 mm	Self-tapping screw JZ5-6.3xL-E16 + ORKAN storm washer	140
17	Corrugated profile sheet to 3.0 mm insertion rail	Self-tapping screw JZ5-6.3xL-E16 + ORKAN storm washer	140
18	Corrugated profile sheet to timber purlin min. width 60 mm	EJOFAST® self-drilling screw JF3-plus-6.8xL-E16 + ORKAN storm washer	102
19	Side lap stitching of corrugated profile sheet	EJOFAST® self-drilling screw JF3-2H-4.8x19-E14	98

Double-sheet profile roof

Description

On the inside, the supporting shell is first fastened to the steel or timber purlins. The exterior roof shell is kept apart through thin-walled spacer profiles. The external roof shell serves for weather protection, the internal load-bearing shell for load bearing.

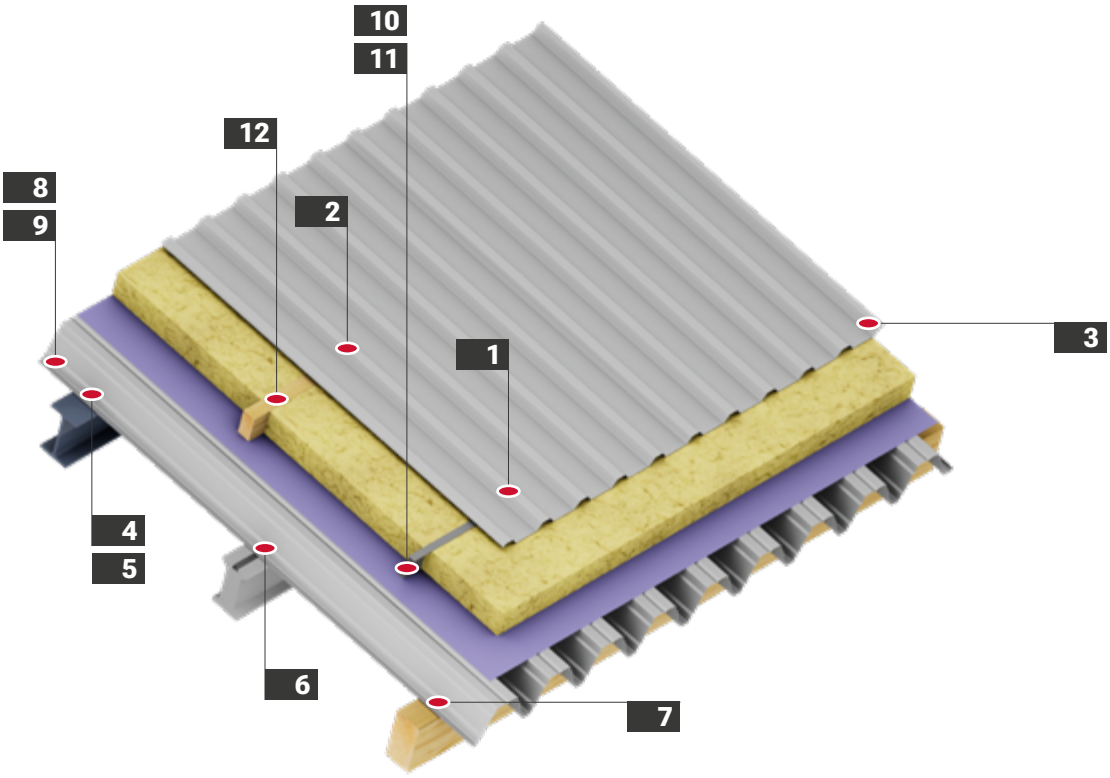
Application

> Heated buildings of all kinds and scope

Determination of the screw lengths

h = height of trapezoidal or corrugated profile, L = screw length, t_{fix} = clamp thickness

Load-bearing shell to steel substructure				Load-bearing shell to insertion rail		Load-bearing shell to Timber substructure		Trapezoidal profile to steel purlin		Trapezoidal profile to timber purlin	
1.5 – 5.0 mm		4.0 – 10.0 mm		3.0 mm		min. width 60 mm		1.5 – 4.0 mm		min. width 60 mm	
JT2-6-5.5x25 F12 V16		JT2-12-5.5x35 F12 V16		JT2-6-5.5x25 F12 V16		JF3-Plus-6.8xL -E16		JT3-6-5.5xL-E16 + ORKAN storm washer		JF3-plus -6.8xL-E16 + ORKAN storm washer	
t_{fix} [mm]	L [mm]	t_{fix} [mm]	L [mm]	t_{fix} [mm]	L [mm]	h [mm]	L [mm]	h [mm]	L [mm]	h [mm]	L [mm]
0 – 10	25	0 – 10	35	0 – 10	25	-	40	-	-	-	-
-	-	-	-	-	-	-	60	-	-	-	-
-	-	-	-	-	-	-	80	20 – 40	70	0 – 30	80
-	-	-	-	-	-	-	-	40 – 60	90	20 – 50	100
-	-	-	-	-	-	-	-	60 – 80	110	40 – 70	120
-	-	-	-	-	-	-	-	80 – 100	130	60 – 90	140
-	-	-	-	-	-	-	-	100 – 120	150	80 – 110	160
-	-	-	-	-	-	-	-	120 – 140	170	100 – 130	180
-	-	-	-	-	-	-	-	140 – 160	190	120 – 150	200
-	-	-	-	-	-	-	-	-	-	140 – 170	220
-	-	-	-	-	-	-	-	-	-	160 – 190	240
-	-	-	-	-	-	-	-	-	-	180 – 210	260
-	-	-	-	-	-	-	-	-	-	200 – 230	280
-	-	-	-	-	-	-	-	-	-	220 – 250	300



No.	Application	Product	Page
1	Trapezoidal profile to 1.5-4.0 mm steel purlin	Self-drilling screw JT3-6-5.5xL-E16 + ORKAN storm washer	110
2	Trapezoidal profile to timber purlin min. width 60 mm	EJOFAST® self-drilling screw JF3-plus -6.8xL-E16 + ORKAN storm washer	102
3	Side lap stitching of trapezoidal profile ≤ 2 x 0.88 mm	EJOFAST® self-drilling screw JF3-2H-4.8x19-E14	98
4	Load-bearing shell to 1.5-4.0 mm steel purlin	Self-drilling screw JT2-6-5.5x25 F12 V16	88
5	Load-bearing shell to 4.0-10.0 mm steel purlin	Self-drilling screw JT2-12-5.5x40 F12 V16	90
6	Load-bearing shell to 3.0 mm insertion rail	Self-drilling screw JT2-6-5.5x25 F12 V16	88

No.	Application	Product	Page
7	Load-bearing shell to timber purlin min. width 60 mm	EJOFAST® self-drilling screw JF3-Plus-6.8xL -E16	102
8	Side lap stitching of load-bearing shell ≤ 2 x 0.88 mm	EJOFAST® self-drilling screw JF2-2H-4.8x19	84
9	Side lap stitching of load-bearing shell 2 x 1.0-2 x 1.5 mm	Self-drilling screw JT2-3-4.8x19	86
10	Steel spacer 1.5-2.0 mm to load-bearing shell	Self-drilling screw JT2-2H-Plus-5.5x25 F12 V16	87
11	Steel spacer profile > 1.5 mm to support-ing shell	Folding blind rivet ECORIV Alu 5.2xL	169
12	Spacer wood to load-bearing shell	Self-drilling screw JT3-ST-2-6.0xL	124

Double-sheet roof with seam or clamping profile

Description

On the inside, the supporting shell is first fastened to the steel or timber purlins. 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 shell is fixed to the clips with a folding machine.

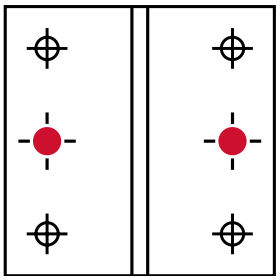
Application

> Heated buildings of all kinds and scope
> Arched roofs
> Barrel roofs

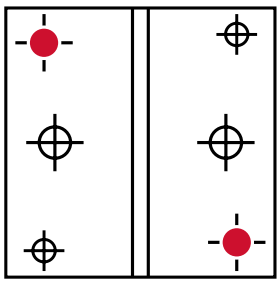
Notice

The JT3-X-2-6.0xL self-drilling screw is a building authorities-approved product to fasten clips to sub-structures made of steel, timber or aluminium. Every clip must be fixed with 2 screws in the order shown opposite. The special feature of the screw are the grooves under the head. They are able to consider-ably 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



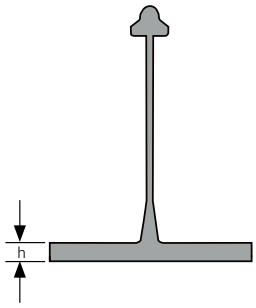
Set-up 1
(sealing washers must be used)



Set-up 2

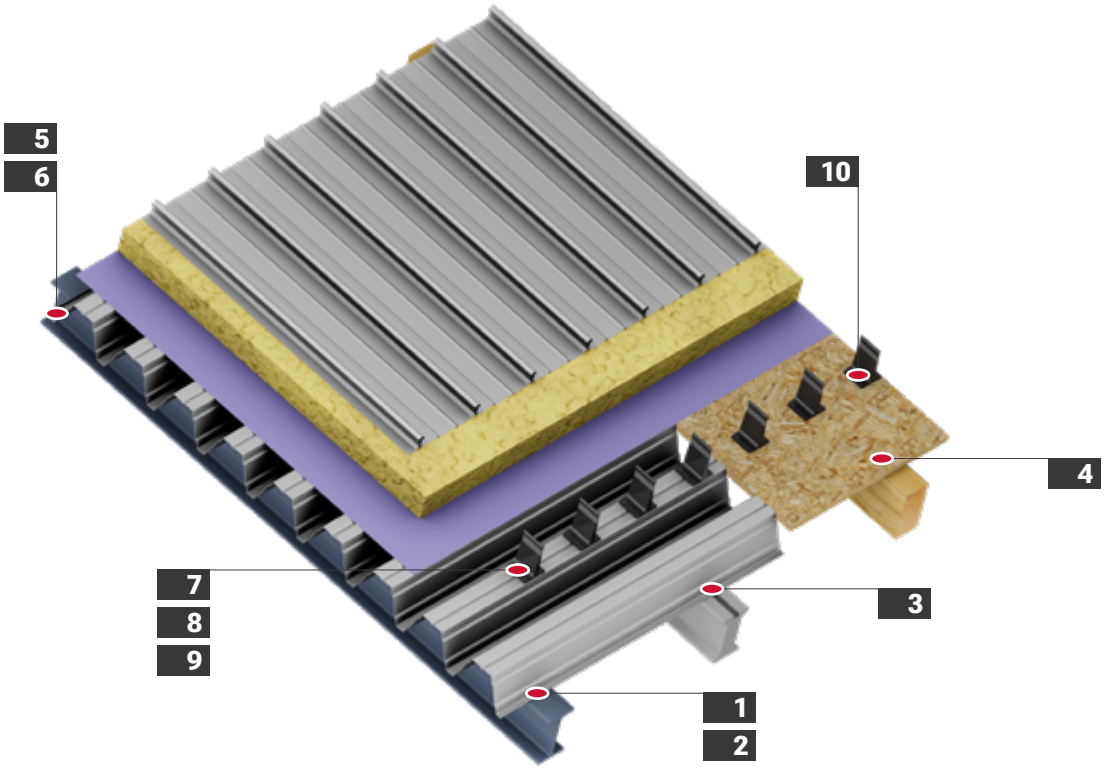
Determination of the screw lengths

h = dedendum of the clip, L = screw length



Clip to steel substructure								Clip to roof boarding / OSB boards	
JF3-2-5.5xL-E16*		JF3-2-6.0xL-E16*		JT3-X-2-6.0xL		JT3-6-5.5xL-E16		JT3-X-2-6.0xL	
h [mm]	L [mm]	h [mm]	L [mm]	h [mm]	L [mm]	h [mm]	L [mm]	h [mm]	L [mm]
0 – 10	35	0 – 5	25	0 – 10	25	0 – 5	25	0 – 5	36
–	–	0 – 20	40	0 – 20	36	0 – 10	30	0 – 15	46
–	–	0 – 30	50	0 – 30	46	0 – 15	35	–	–
–	–	–	–	–	–	20 – 30	50	–	–

*see chapter solar



No.	Application	Product	Page
1	Load-bearing shell to 1.5-4.0 mm steel purlin	Self-drilling screw JT2-6-5.5x25 F12 V16	88
2	Load-bearing shell to 4.0-10.0 mm steel purlin	Self-drilling screw JT2-12-5.5x40 F12 V16	90
3	Load-bearing shell to 3.0 mm insertion rail	Self-drilling screw JT2-6-5.5x25 F12 V16	88
4	Roof boarding/OSB to timber purlin min. width 65 mm	Wood screw JW2-2-Plus-STR-6.0xL	52
5	Side lap stitching of load-bearing shell ≤ 2 x 0.88 mm	EJOFAST® self-drilling screw JF2-2H-4.8x19	84

No.	Application	Product	Page
6	Side lap stitching of load-bearing shell 2 x 1.0-2 x 1.5 mm	Self-drilling screw JT2-3-4.8x19	86
7	Clip to spacer ≤ 1.5 mm	Self-drilling screw JT3-X-2-6.0xL	125
8	Clip to milled system rail ≤ 1.5 mm	Self-drilling screw JT3-X-2-6.0xL	125
9	Clip to trapezoidal profile ≤ 2 x 0.88 mm	EJOFAST® self-drilling screw JF3-2-6.0xL-E16	195
10	Clip to roof boarding / OSB	Self-drilling screw JT3-X-2-6.0xL	125

Sandwich panel roof

Description

Sandwich panels are composite elements. They consist of two metallic layers that are usually connected with polyurethane foam or mineral wool so they are shear-resistant. Sandwich panels are fastened directly to the substructure. The following element is pushed to the assembled element from the side and then fastened.

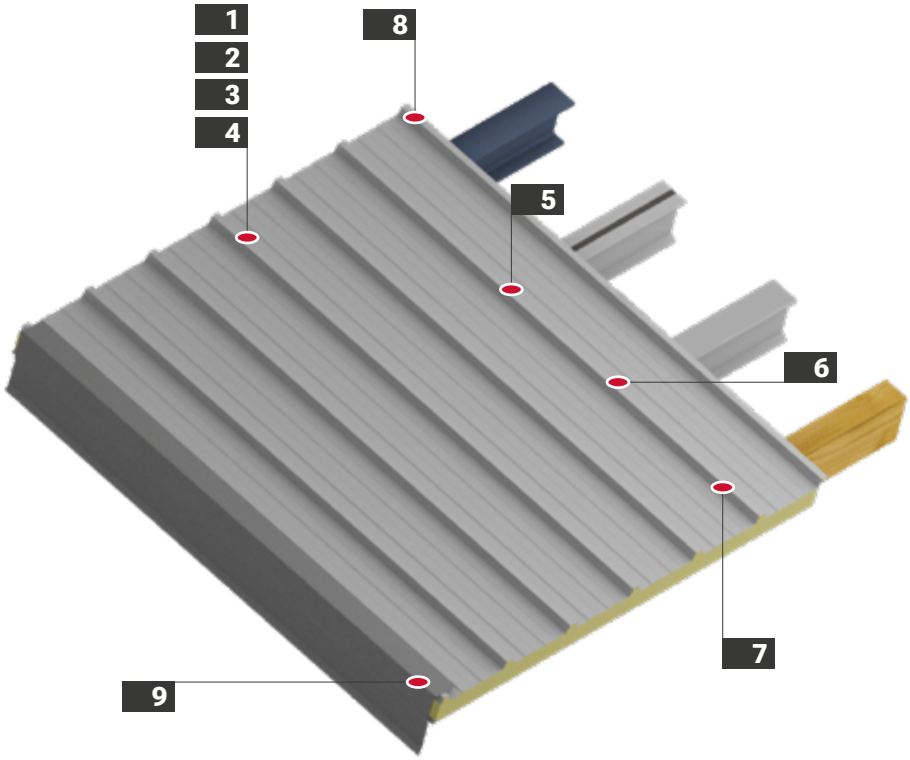
Application

> Heated buildings of all kind and scope

Determination of the screw lengths

h = height sandwich panel or corrugated profile, L = screw length

Sandwich panel to steel substructure								Sandwich panel to insertion rail		Sandwich panel to Timber substructure	
≥ 1.5 mm		1.5 – 4.0 mm		4.0 – 10.0 mm		4.0 – 16.0 mm		3.0 mm		min. width 60 mm	
JZ5-6.3xL-E16 + ORKAN storm washer		JT3-6-5.5xL-E16 + ORKAN storm washer		JT3-12-5.5xL-E16 + ORKAN storm washer		JT3-18-5.5xL-E16 + ORKAN storm washer		JZ5-6.3xL-E16 + ORKAN storm washer		JF3-Plus-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]	h [mm]	L [mm]
40	53	–	–	–	–	–	–	27– 37	53	–	65
40	63	–	–	–	–	–	–	37 – 47	63	–	80
40 – 55	83	20 – 40	70	20 – 40	78	–	–	57 – 67	83	20 – 45	100
40 – 70	93	40 – 60	90	40 – 60	98	40 – 60	115	67 – 77	93	40 – 65	120
40 – 80	103	60 – 80	110	60 – 80	118	80 – 100	155	77 – 87	103	60 – 85	140
50 – 95	113	80 – 100	130	80 – 100	138	120 – 140	195	87 –97	113	80 – 105	160
60 – 105	123	100 – 120	150	100 – 120	158	160 – 180	235	97 – 107	123	100 – 125	180
70 – 115	133	120 – 140	170	120 – 140	178	200 – 220	275	107 – 117	133	120 – 145	200
80 – 125	143	140 – 160	190	140 – 160	198	–	–	117–127	143	140 – 165	220
90 – 135	153	–	–	–	–	–	–	127 – 137	153	160 – 185	240
100 – 145	163	–	–	–	–	–	–	137 – 147	163	180 – 205	260
120 – 165	183	–	–	–	–	–	–	157 – 167	183	200 – 225	280
140 – 185	203	–	–	–	–	–	–	177–187	203	220 – 245	300
160 – 205	223	–	–	–	–	–	–	–	–	–	–
180–225	243	–	–	–	–	–	–	–	–	–	–
200–245	263	–	–	–	–	–	–	–	–	–	–



No.	Application	Product	Page
1	Sandwich panel to 1.5-4.0 mm steel purlin	Self-drilling screw JT3-6-5.5xL-E16 + ORKAN storm washer	110
2	Sandwich panel to 4.0-10.0 mm steel purlin	Self-drilling screw JT3-12-5.5xL-E16 + ORKAN storm washer	114
3	Sandwich panel to 4.0-16.0 mm steel purlin	Self-drilling screw JT3-18-5.5xL-E16 + ORKAN storm washer	117
4	Sandwich panel to steel purlin ≥ 1.5 mm	Self-tapping screw JZ5-6.3xL-E16 + ORKAN storm washer	140
5	Sandwich panel to insertion rail 3.0 mm	Self-tapping screw JZ5-6.3xL-E16 + ORKAN storm washer	140

No.	Application	Product	Page
6	Sandwich panel to concrete substructure	Concrete screw JC6-D-7.5 + ORKAN storm washer	123
7	Sandwich panel to timber purlin min. width 60 mm	EJOFAST® self-drilling screw JF3-plus -6.8xL + ORKAN storm washer	102
8	Side lap stitching of sandwich panel	EJOFAST® self-drilling screw JF3-2H-4.8x19-E14	98
9	Fastening flashing to sandwich panel	EJOFAST® self-drilling screw JF3-2H-4.8x19-E14	98

Profiled wall with cassette structure

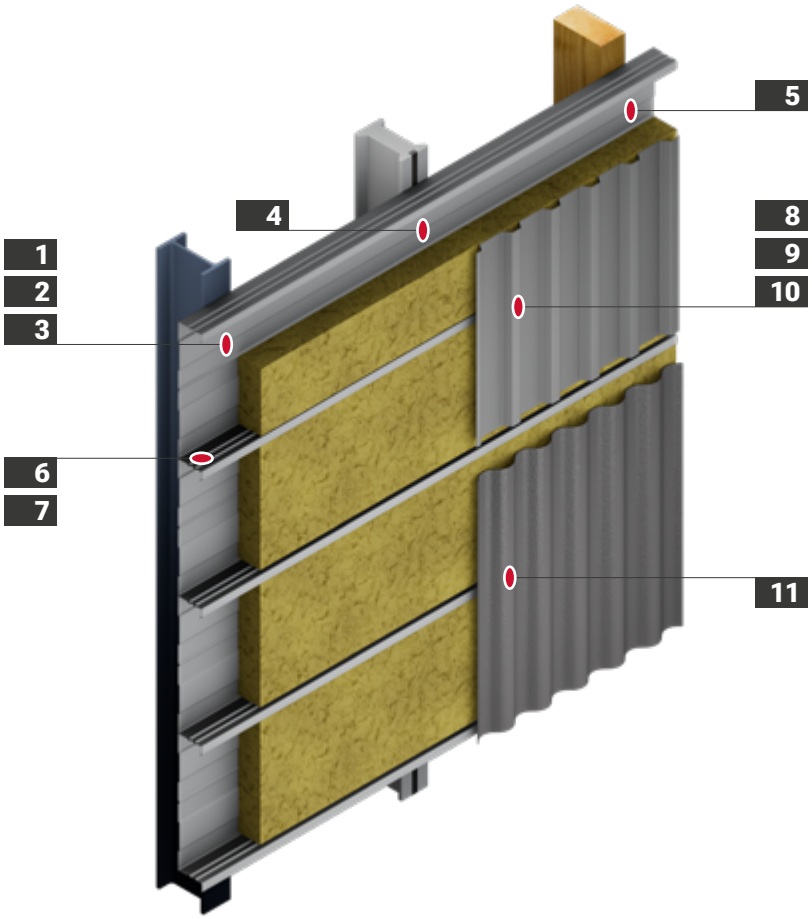
Description
The cassette is directly fastened to steel supports. The outer sheet is fastened to the cassette bars and does not only serve as weather protection but also as bracing for the cassettes. The cassette system walls serve as noise and fire protection.

Application
> Heated buildings
> Buildings with high noise level
> Buildings with increased demands on fire protection
> Buildings with process heat

Notice
The fastening elements may be mounted at a maximum distance of 75 mm from the cassette bars. The fastener in the middle of the cassette does not serve for load transmission, but is merely of a structural character.

The closer the longitudinal seam screws are positioned to the valley, the more effectively condensation problems can be prevented in advance.
The corrugation bridges are not a positioning aid for the side lap stitching of cassettes.

The approval of the fasteners for cassette wall structures includes a connection in which component II consists of two overlapping profiled sheets. This leads to an improved load-bearing capacity.



No.	Application	Product	Page
1	Cassette to 1.5-4.0 mm steel purlin	Self-drilling screw JT2-6-5.5x25 F12 V16	88
2	Cassette to 4.0-10.0 mm steel purlin	Self-drilling screw JT2-12-5.5x40 F12 V16	90
3	Cassette to 4.0-16.0 mm steel purlin	Self-drilling screw JT2-18-5.5x40 F12 V16	91
4	Cassette to 3.0 mm insertion rail	Self-drilling screw JT2-6-5.5x25 F12 V16	88
5	Cassette to timber purlin min. width 60 mm	EJOFAST® self-drilling screw JF3-Plus-6.8xL -E16	102
6	Cassette side lap stitching ≤ 2 x 0.88 mm	EJOFAST® self-drilling screw JF2-2H-4.8x19	84

No.	Application	Product	Page
7	Cassette side lap stitching 2 x 1.0-2 x 1.5 mm	Self-drilling screw JT2-3-4.8x19	86
8	Trapezoidal profile to 2 x 0.63-2 x 1.25 mm cassette	Self-drilling screw JT3-2H-Plus-5.5xL-E16	106
9	Trapezoidal and top-hat profile on 40 mm insulated cassette	Self-drilling screw JT3-2H-40-6.0/6.0x64-E16	127
10	Trapezoidal and top-hat profile on 80 mm insulated cassette	Self-drilling screw JT3-2H-80-6.0/6.0x64-E16	127
11	Corrugated profile sheet to 2 x 0.63-2 x 1.25 mm cassette	Self-drilling screw JT3-FR-2H-Plus-5.5xL-E11	107

Wall with sandwich panels

Description

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

In the case of non-visible fastening, the proof of usability (approval) of the sandwich elements must be taken into account when selecting the screws.

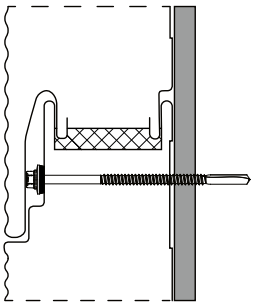


Fig. 1
Not visible sandwich panel installation

Application

> Heated buildings of all sizes and scope

Notice

When using screws with high thread (JT3-D) indentations at the fixing points of sandwich panels can be reduced.
With a deep control oriented fastening, dent formation can be reduced.
| see page 422, cordless screwdriver ASCM 18 QSW AS

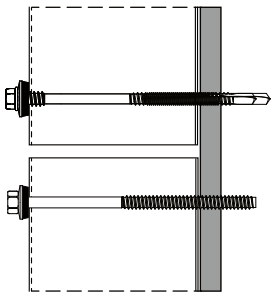
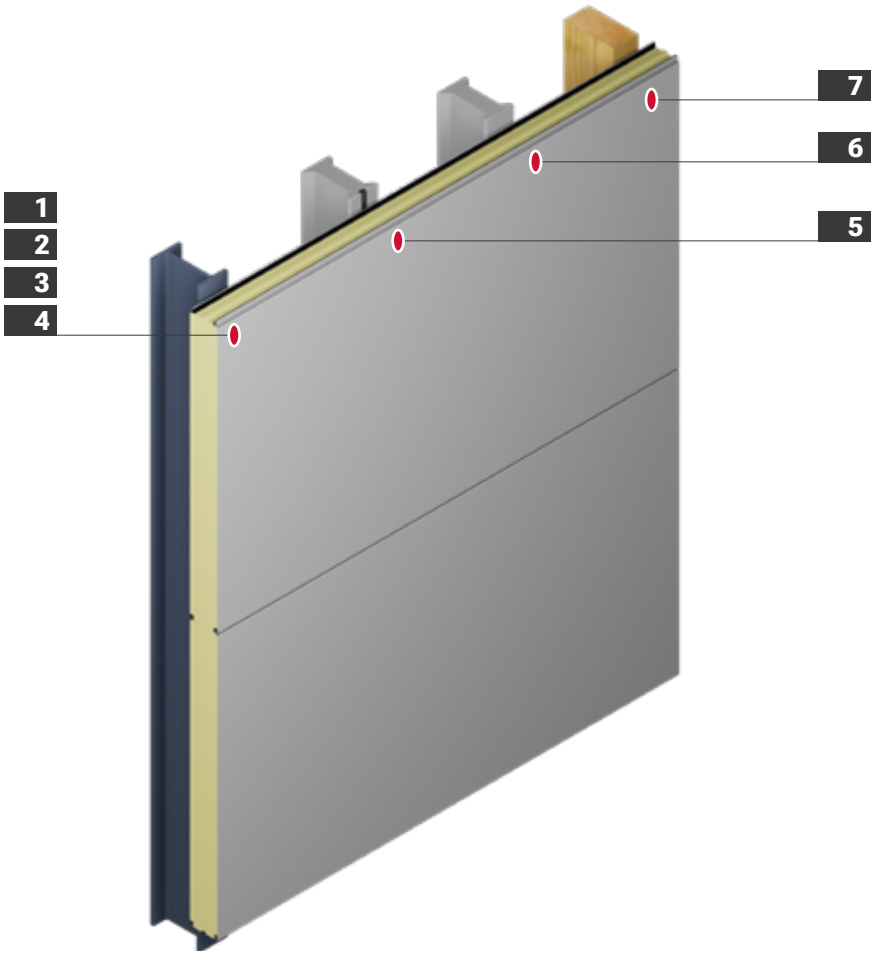


Fig. 2
Visible sandwich panel installation

Determination of the screw lengths

h = height sandwich panel, L = screw length

Sandwich panel to steel substructure								Sandwich panels to insertion rail		Sandwich panel to Timber substructure	
≥ 1.5 mm		1.5 – 4.0 mm		4.0 – 10.0 mm		4.0 – 16.0 mm		3.0 mm		min. width 60 mm	
JZ5-6.3xL-E19		JT3-D-6H-5.5/6.3xL-E19		JT3-D-12H-5.5/6.3xL-E19		JT3-18-5.5xL-E19		JZ5-6.3xL-E19		JF3-Plus-6.8xL -E19	
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	–	–	40 – 42	75	–	–	25 – 33	50	–	–
3 – 44	64	35 – 40	67	50 – 62	95	–	–	39 – 47	64	20 – 45	100
19 – 60	80	42 – 60	87	60 – 82	115	40 – 60	115	55 – 63	80	40 – 65	120
29 – 70	90	52 – 80	107	75 – 102	135	80 – 100	155	65 – 73	90	60 – 85	140
39 – 80	100	72 – 100	127	95 – 122	155	120 – 140	195	75 – 83	100	80 – 105	160
54 – 95	115	92 – 120	147	115 – 142	175	160 – 180	235	90 – 98	115	100 – 125	180
64 – 105	125	112 – 140	167	135 – 162	195	200 – 220	275	100 – 108	125	120 – 145	200
74 – 115	135	140 – 170	197	145 – 182	215	–	–	110 – 118	135	140 – 165	220
89 – 130	150	170 – 210	237	175 – 212	245	–	–	125 – 133	150	160 – 185	240
114 – 155	175	200 – 240	267	205 – 242	275	–	–	150 – 158	175	180 – 225	280
139 – 180	200	–	–	235 – 272	300	–	–	175 – 183	200	220 – 245	300



No.	Application	Product	Page
1	Sandwich panel to 1.5-4.0 mm steel purlin	Self-drilling screw JT3-D-6H-5.5/6.3xL-E19	118
2	Sandwich panel to 3.0-12.0 mm steel purlin	Self-drilling screw JT3-D-12H-5.5/6.3xL-E19	120
3	Sandwich panel to 4.0-16.0 mm steel purlin	Self-drilling screw JT3-18-5.5xL-E19	117
4	Sandwich panel to steel purlin ≥ 1.5 mm	Self-tapping screw JZ5-6.3xL-E19	140

No.	Application	Product	Page
5	Sandwich panel to insertion rail 3.0 mm	Self-tapping screw JZ5-6.3xL-E19	140
6	Sandwich panel to concrete substructure	Concrete screw JC6-D-7.5	123
7	Sandwich panel to timber purlin min. width 60 mm	EJOFAST® self-drilling screw JF3-Plus-6.8xL -E19	102

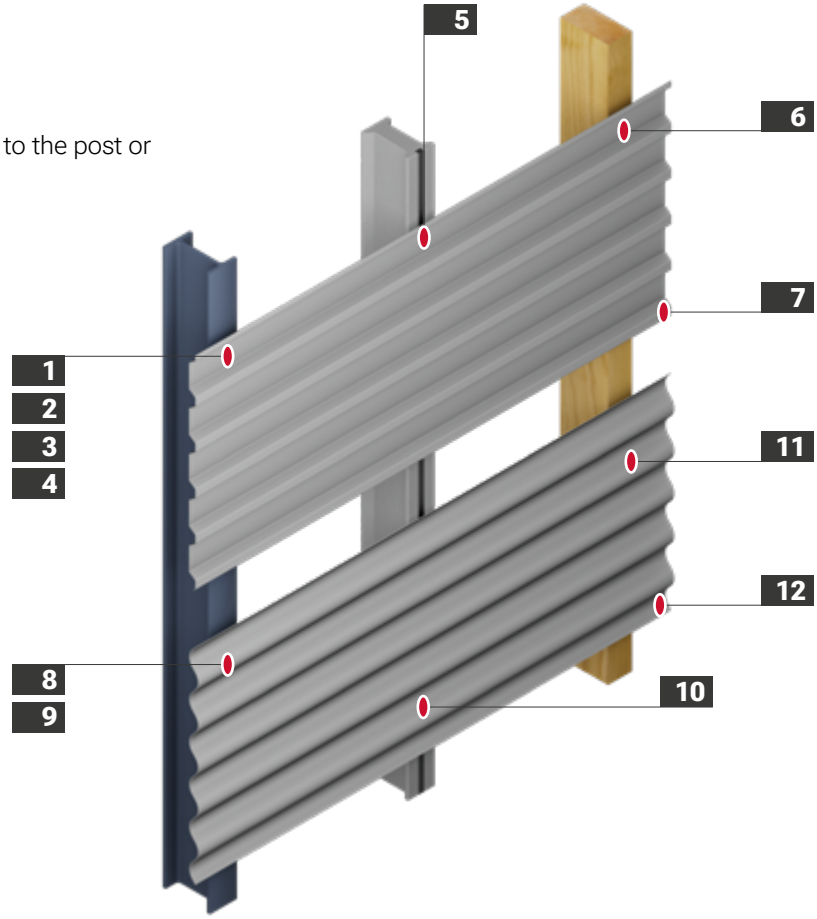
Single-sheet profiled wall

Description

The profiled sheet is directly fastened to the post or rail and it is weather-exposed.

Application

> Simple sheds
> Carports
> Bicycle sheds



No.	Application	Product	Page
1	Trapezoidal profile to 1.5-4.0 mm steel purlin	Self-drilling screw JT3-6-5.5xL-E16	110
2	Trapezoidal profile to 4.0-10.0 mm steel purlin	Self-drilling screw JT3-12-5.5xL-E16	114
3	Trapezoidal profile to 4.0-16.0 mm steel purlin	Self-drilling screw JT3-18-5.5xL-E16	117
4	Trapezoidal profile to steel purlin ≥ 1.5 mm	Self-tapping screw JZ5-6.3xL-E16	140
5	Trapezoidal profile to 3.0 mm insertion rail	Self-drilling screw JT3-6-5.5x25 E16	110
6	Trapezoidal profile to timber purlin min. width 60 mm	EJOFAST® self-drilling screw JF3-Plus-6.8xL -E16	102

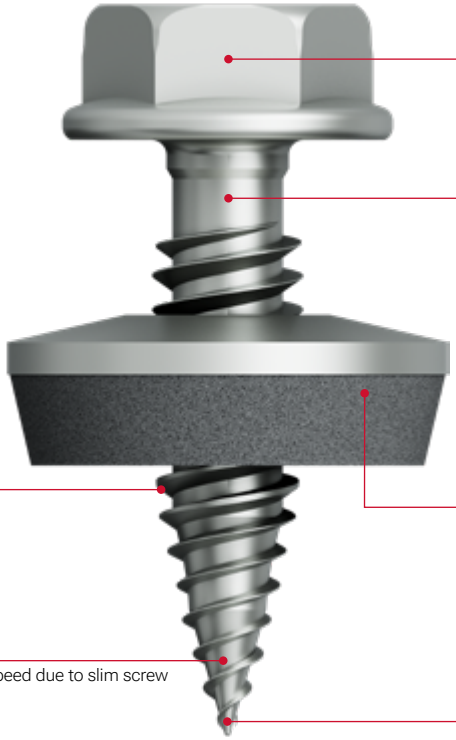
No.	Application	Product	Page
7	Side lap stitching of trapezoidal profile ≤ 2 x 0.88 mm	EJOFAST® self-drilling screw JF3-2H-4.8x19-E14	98
8	Corrugated aluminium profile sheet to 1.5-4.0 mm steel purlin	Self-drilling screw JT3-FR-6-5.5xL-E11	112
9	Corrugated aluminium profile sheet to 4.0-10.0 mm steel purlin	Self-drilling screw JT3-FR-12-5.5xL-E11	116
10	Corrugated aluminium profile sheet to 3.0 mm insertion rail	Self-drilling screw JT3-FR-6-5.5x25-E11	112
11	Corrugated aluminium profile sheet to timber purlin min. width 40 mm	EJOFAST® self-drilling screw JF3-FR-Plus-4.9x35 E11	101
12	Side lap stitching of corrugated aluminium profile sheet ≤ 2 x 0.88 mm	Self-drilling screw JT3-FR-2H-4.8-E11	105

EJOFAST® self-drilling screws

Clever & Clean Our strongest, cleanest and safest self-drilling screw

The new EJOFAST® Plus self-drilling screws, with their concave and particularly slender point, enable significantly safer placement on the surface and a high screwing speed. Displacement or slipping is almost impossible. At the same time, the load-bearing capacity values were improved once again. The slim, single-flighted drill point produces no sharp-edged chips that get stuck in the material and thus the amount of cleaning is reduced.

Video EJOFAST family



Product overview EJOFAST® self-drilling screws

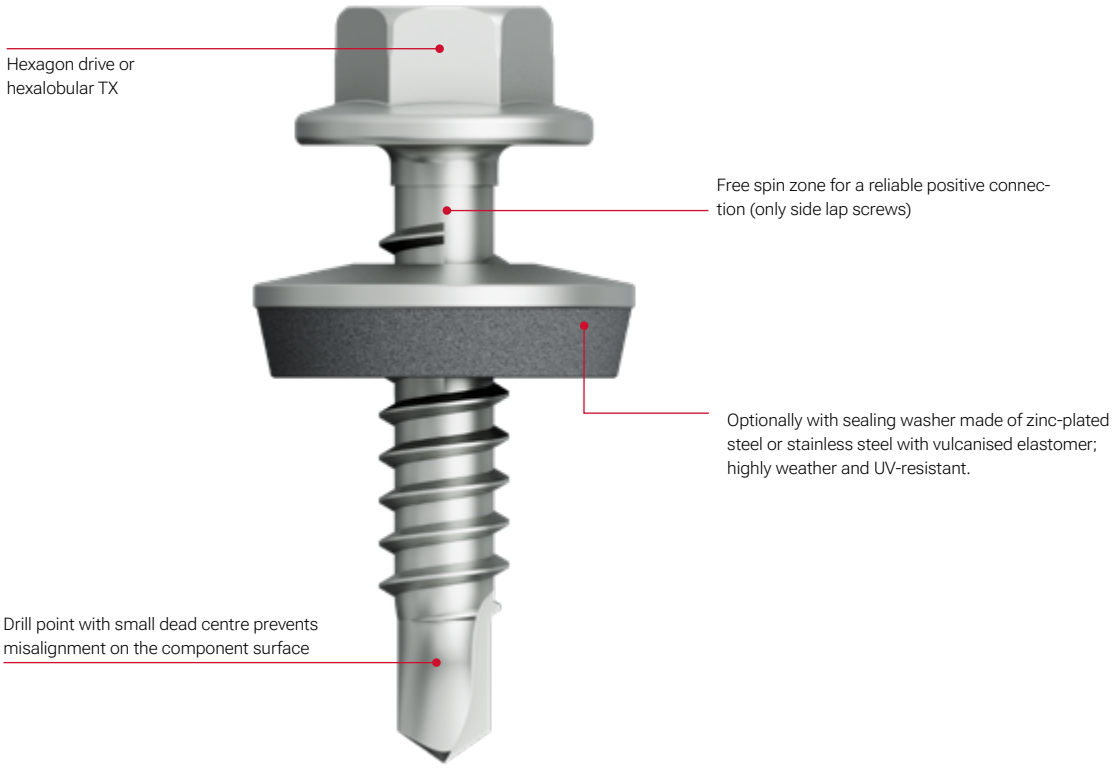
	JF2-2-4.2	JF2-2H-4.8	JF3-2H-4.8	JF3-2-5.5*	JF3-2-6.0*	JF3-Plus-4.9	JF3-Plus-6.8
Self-drilling screws with innovative point geometry							
Material	Case-hardened steel, protected against corrosion		A2 stainless steel with hardened steel drill point				
For components made of	Steel		Steel or aluminium			Steel or aluminium on timber	
Max. drilling capacity steel [mm]	0.75 + 0.75		0.88 + 0.88			0.88	

***see chapter solar**

Self-drilling screws

The classic drill point with cutting bit

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



Product overview self-drilling screws

	JT2	JT3	JT6	JT4	JT9
Self-drilling screws with classic drill point					
Material	Steel Case-hardened, protected against corrosion	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		Aluminium	
Max. drilling capacity [mm]	18.0			6.0	

Self-drilling screw selection

Drilling capacity and required clamp thickness have to be specified

Determination of the screw length of self-drilling screws

The clamp thickness t_{fix} is the area of a self-drilling screw which can be used to connect two components. The components are clamped in this area (absorption and transfer of forces and loads in accordance with the respective technical approvals and assessments).

Important: The clamping thickness does not equal the threaded part of a screw minus the length of the drill point!

Therefore:

- The first thread turns of a self-drilling screw are **not** suitable for clamping.
- With bi-met screws (JF3/JF6, JT3/JT6) the drill point and the first thread turns are made of one hardened steel part. This part is used exclusively for the assembly process of the screw and must not be used for clamping.
- The clamping thicknesses of the self-drilling screws can be found in the tables on the product-specific pages.
- Cutting off the drill points is not permitted!

The required clamping thickness of a self-drilling screw is calculated from the material thickness of the components to be clamped (Fig. 1). For this, the thicknesses of components I and II, any intermediate layer and additional elements (including sealing washers, storm washers and load distributors) must be added together. It should be noted that the sealing washer thickness for screws with a pre-assembled sealing washer is already taken into account when specifying the clamping thickness.

The component thicknesses from the respective technical approvals and assessments must be observed!

If you have any questions about the selection of the suitable screw length for your application, please contact our application technology department.

Drilling capacity

The drilling capacity refers to the drill point of a screw. The value is calculated from the thickness of the components to be drilled. A drilling capacity of 6 mm, for instance, means that the drill point can penetrate components with a maximum thickness of 6 mm.

The following formulas can be used to determine the required drilling capacity:

Drilling capacity for direct bearing surface
trapezoidal profile to steel substructure):
t = component t_I + component t_{II}
(Fig. 2)

Drilling capacity for sandwich panel:
t = component t_{II}
(Fig. 3)

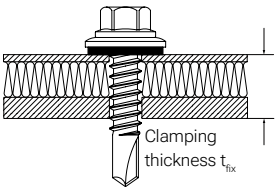


Fig. 1

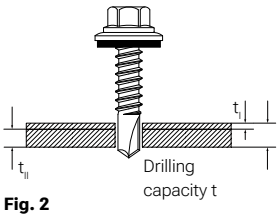


Fig. 2

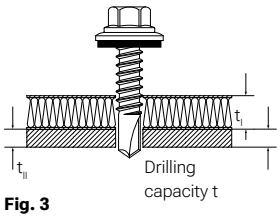
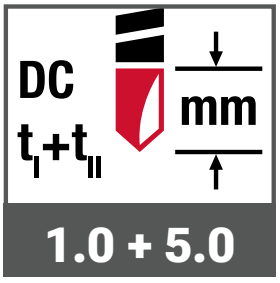


Fig. 3



Icon for specifying the drilling capacity of a self-drilling screw

Self-drilling screws with free spin zone

Permanently reliable connection of profiled panels

According to the current IFBS assembly guidelines, screws with a so-called free spin zone should be used for side lap stitching of metal profile panels or for attaching flashings.

The free spin zone is a non-threaded area underneath the screw head. This minimises the risk of possible stripping of the sheets, which would result in a loss of load-carrying capacity. In addition, it offers turning-back protection, which prevents unintentional loosening of the screw and thus a loss of tightness of the roof.

Example side lap stitching: Both profiled panels are drilled one after the other and pulled towards the screw head. During this process, the sheets "lock"; this means a gap is created between component I and component II. If screws without free spin zone are used, the first sheet may be stripped when trying to pull the two sheets together. It is also possible to strip the second sheet if the screw is rotated further; this would considerably reduce the load-carrying capacity of the connection. If screws with a free spin zone are used instead, both sheets will be positioned neatly under the screw head after assembly.

Maximum protection due to special shape of the free spin zone

On industrial roofs, the profiled panels of the cover shell are exposed to particularly strong weather influences. Due to the interplay of heat and cold, the sheets experience a strong linear expansion. This can lead to loosening of the side lap stitching if the screws are forced out of the sheets over time. The consequence: possible damage due to the side laps opening up and moisture penetration. Therefore, EJOT recommends to use screws with a special shape of the free spin zone, such as the side lap screw EJOFAST® JF3-2H-4.8.

Important: This is a geometric change in the fastener shank diameter, in which the shank is smaller than or equal to the thread core diameter. This special shape of the free spin zone prevents unintended turning back of the screw.

Short-term "tacking" or permanent connection?

What to do when screws are only used for so-called "tacking" and then have to be loosened again? If profiled panels are only to be connected for a short time in order to be able to align them better on the roof, the safety-relevant advantages of a self-drilling screw with free spin zone are not necessary. In this case, screws without free spin zone can be used, such as the EJOFAST® JF3-2-5.5.





Screw EJOFAST® JF3-2H-4.8 with geometrically modified free spin zone according to IFBS assembly guidelines.

Screw with simple non-threaded part.

Screw EJOFAST® JF3-2-5.5 without free spin zone.

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 buildings with neutral atmosphere
C2	low	Rural areas, unheated buildings
C3	moderate	Urban and industrial areas
C4	high	Industrial and coastal areas
C5	very high	Industrial areas with high humidity and aggressive atmosphere, coastal atmosphere with high salt pollution
CX	extreme	Industrial areas with extreme humidity and aggressive atmosphere; subtropical and tropical atmosphere; offshore areas

For environmental conditions ≥ 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.

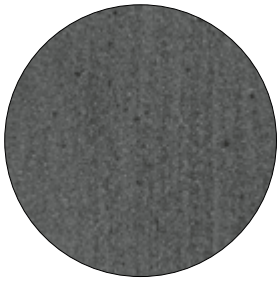
Stainless steel

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.

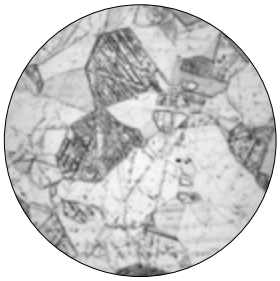
Whereas A2 stainless steel fasteners are suitable for minimal and moderate exposures to corrosion, grade A4 stainless steels are required in areas with high exposure to corrosion. For applications with a very high exposure to corrosion, EJOT recommends the usage of fastening elements made of A8 stainless steel (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

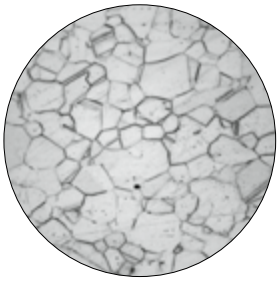
500 times magnification



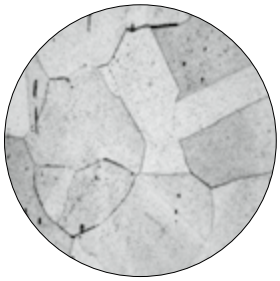
Carbon steel



A2 stainless steel
1.4301



A4 stainless steel
1.4401



A8 stainless steel
1.4529

Zinc-plated

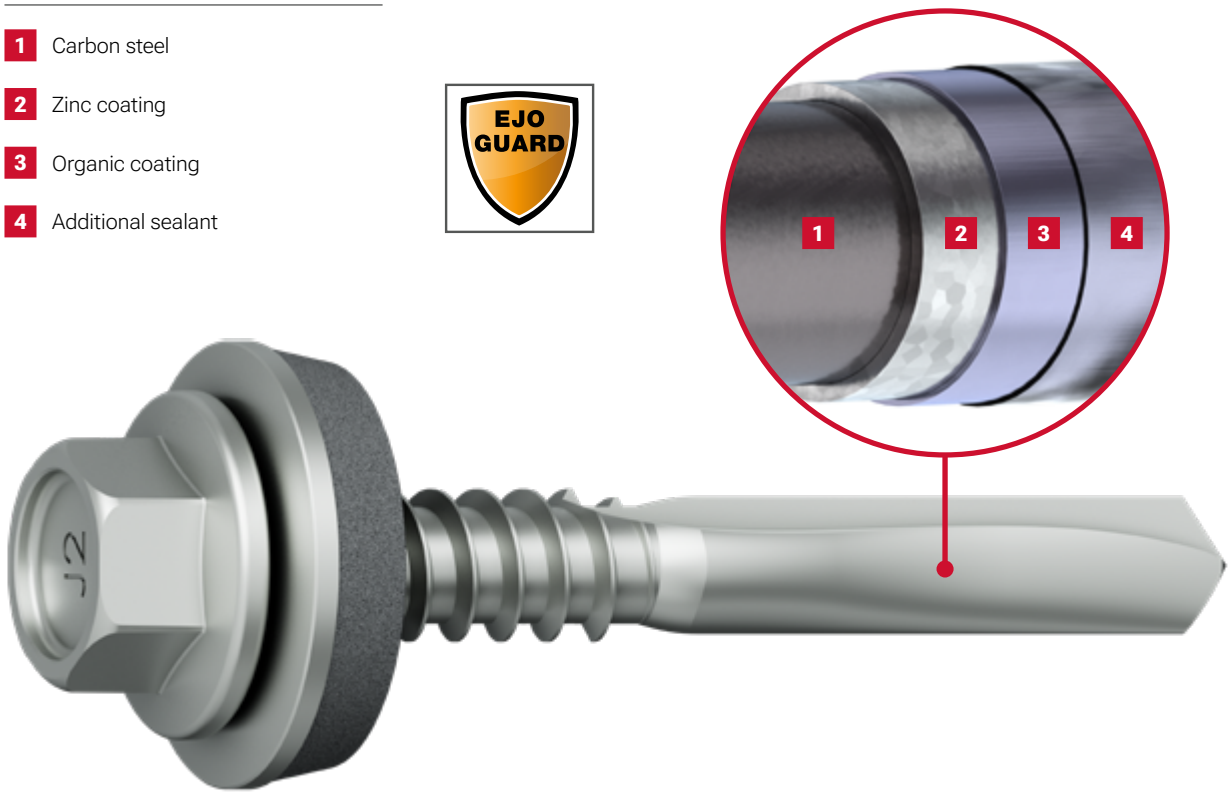
Zinc-plated steel screws are used in environments with insignificant exposures to corrosion such as indoor areas of heated buildings. The galvanisation only slightly increases the corrosion resistance of the fasteners. Concerning JT3 bi-met self-drilling screws, the galvanic zinc plating shall protect 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.

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. In Germany, self-drilling screws with EJOGUARD coating can only be used in environments with insignificant corrosion exposure, such as indoors.

Multiple protection EJOGUARD:

1. Carbon steel
2. Zinc coating
3. Organic coating
4. Additional sealant



Advice for screw installation

Installation depth into timber

For trapezoidal profile fastenings, the installation depth into timber is regulated by the respective approval. The miminum installation depth of a 6.8 screw is 27.2 mm. The maximum installation depth, which may still be used mathematically, equals the thread length.

For fastening a 0.75 mm trapezoidal steel profile with a 6.8 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 is then more or less balanced.

Pre-drilling in timber

Pre-drilling may be omitted if a self-drilling screw is used. The no-swarf EJOFAST® screws for timber can also be used without pre-drilling. Pre-drilling of timber has the advantage that expansion forces, which can lead to splicing of the wood, can be clearly reduced.

Side lap stitching

If side lap stitching is not regulated any differently, it has to be spaced 500 - 666 mm apart, according to DIN EN 1090. A screw spacing of 500 to 600 mm has proven to be very practical. In the water-bearing surface (outdoor area), the screw spacing may only be a maximum of 500 mm according to IFBS.

Note on screw length

For countersunk screws (countersunk heads), the head is added to the screw length. For screws with surface mounted heads the screw length is measured to below the head.

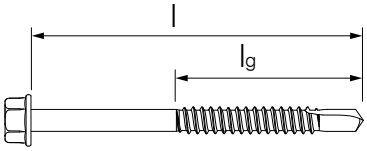


Fig. 1
Hexagon head screw with drill point

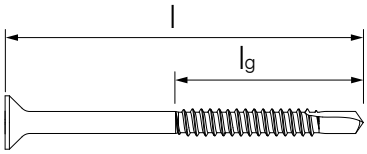


Fig. 2
Countersunk screw with drill point

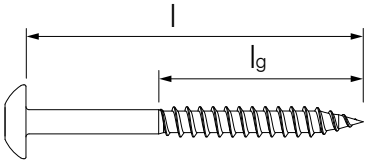
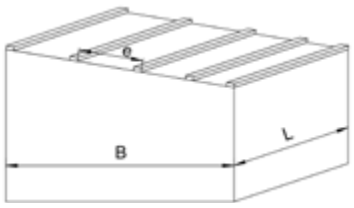
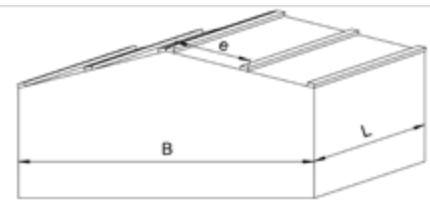
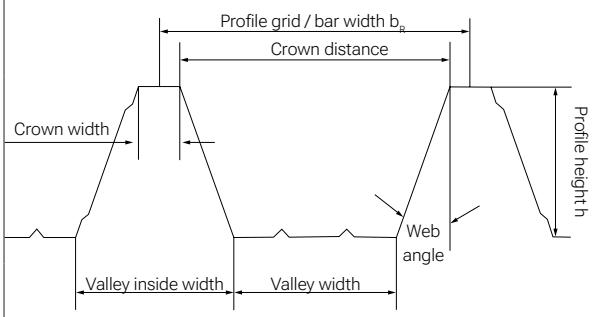


Fig. 3
Truss head screw with JF point

Pent roof, flat roof	Gable roof
	
Description 	**Number of fastening screws (pent roof, flat roof)** $N_1 = \left(\left(\frac{B}{e}+3\right)\cdot\frac{L}{2\cdot b_R}\text{ or N}\quad=\frac{L\cdot B}{2\cdot e\cdot b_R}+\frac{3L}{2\cdot b_R}\right)\cdot 1.2\cdot N$ **Number of fastening screws (gable roof)** $N_1 = \left(\left(\frac{B}{e}+5\right)\cdot\frac{L}{2\cdot b_R}\text{ or N}\quad=\frac{L\cdot B}{2\cdot e\cdot b_R}+\frac{5L}{2\cdot b_R}\right)\cdot 1.2\cdot N$ **Number of side lap screws** N_2 = roof or wall area respectively [m²] · 2.2 + (bulding length [m] + [building width [m]) · 6

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 lengths
To determine the correct screw length, the clamping thickness of the respective screw must be considered. The components are clamped in this area (absorption and transfer of forces and loads in accordance with the respective technical approvals and assessments).

The required clamping thickness of a screw is calculated from the material thickness of the components to be clamped. For this, the thicknesses of components I and II, any intermediate layer and additional elements (including sealing washers, storm washers and load distributors) must be added together.

To determine the screw length, please refer to **page 78 and 139** and the information in the tables on the product-specific pages.
| see page 78 and 139

EJOT recommends ORKAN storm washers
Special attention should be paid to the waterproofing of fastening elements. Practical experience has shown that leakage of only a few tenth millimetres can lead to considerable damage. For that reason EJOT recommends crown fixing with storm washers. ORKAN storm washers prevent an indentation of the crown and provide a very high degree of safety against rainwater penetration.

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

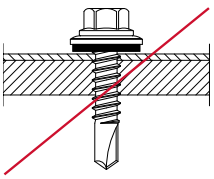
The IFBS regulations must be observed.

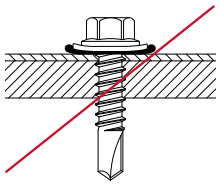
EJOT recommends using sealing washers - also in combination with case-hardened steel screws that are used in unweathered areas.

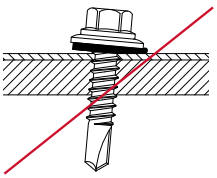
The risk of damaging the screw joint due to incorrect installation (e.g. excessive tightening torque, slightly sloped clamping) is significantly reduced when using sealing washers. Furthermore, the clamp load and thus the tensile stress in the screw are limited by the use of sealing washers. Direct weathering of the drill hole, in which the surface protection layers are perforated by the screwing process, is prevented by the sealing washers. The risk of operation-related, hydrogen-induced brittle fracture is significantly reduced.

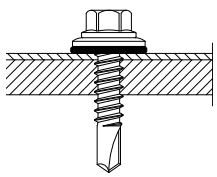
Rain-proof connections
The use of sealing washers facilitates the formation of rain-proof fastening and connection points in lightweight metal construction.
When planning and executing the connections, the minimum roof pitches according to the specialist rules for lightweight metal construction must be observed.

Correct installation of sealing washers
Screws with sealing washers must be installed using a depth stop. Impermissible deformation of the sealing washer (washer with elastomer seal) is prevented with the adjustable depth stop 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.


too lose


too tight


sloping


correct

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



Application range

> Side lap stitching of profiled steel sheets

Properties

> Case-hardened steel, protected against corrosion
> Fastening with reduced 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
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442





EJOFAST® JF screwdriver
Rental equipment available
Article number G000000070

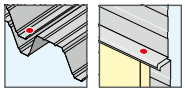
Info see page 31

Assembly instruction

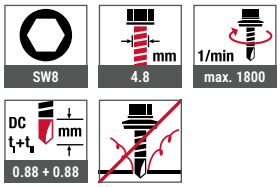
Product in the online shop

EJOFAST

Applications



Technical specifications



Certifications



Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
loose						
JF2-2H-4.8x19	19	0 – 9	1000		7280628601	4061245014524
JF2-2H-4.8x19 VE100	19	0 – 9	100		6280628601	4061245014890
Collated						
JF2-2H-4.8x19 collated	19	0 – 9	500		3375000000	4061245016573

Self-drilling screw JT2-2H-4.8 EJOGUARD



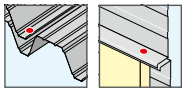
Application range

> Side lap stitching of profiled steel sheets

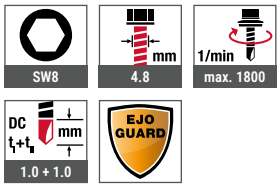
Properties

> Case-hardened steel, protected against corrosion
> With free spin zone under screw head for effective side lap stitching

Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT2-2H-4.8x19 EJOGUARD	19	0 – 9	1000		3592200997	4061245093062
JT2-2H-4.8x19 EJOGUARD VE100	19	0 – 9	100		6592200997	4061245093079

Self-drilling screw JT2-3-4.8 EJOGUARD



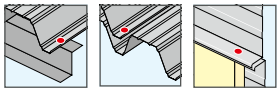
Application range

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

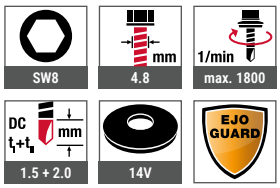
Properties

- Case-hardened steel, protected against corrosion
- Loose or collated

Applications



Technical specifications



Certifications



Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Assembly instruction

Product in the online shop





EJOFAST® JF screwdriver
Rental equipment available
Article number G000000070

Info see page 31

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Loose						
JT2-3-4.8x19 EJOGUARD	19	0 – 11	1000		3592200614	4061245093918
JT2-3-4.8x19 EJOGUARD VE100	19	0 – 11	100		6592200614	4061245092904
Collated						
JT2-3-4.8x19 EJOGUARD collated	19	0 – 11	500		3365100000	4061245092928
Sealing washer V14, Ø 14 mm						
JT2-3-4.8x19 V14 EJOGUARD	19	0 – 9	500		3592251614	4061245092966

Self-drilling screw JT2-2H-Plus-5.5 F12 EJOGUARD



Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

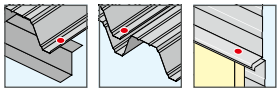
Application range

- Side lap stitching of profiled steel sheets
- Fastening profiled steel sheets to 0.4–2.0 mm steel substructure
- For high-strength steel substructures according to ETA-21/0420

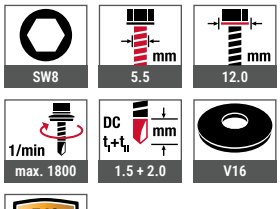
Properties

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

Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer V16, Ø 16 mm						
JT2-2H-Plus-5.5x25 F12 V16 EJOGUARD	25	0 – 9	500		3512521997	4061245092980

Self-drilling screw JT2-6-5.5 F12 EJOGUARD



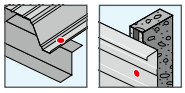
Application range

- Fastening profiled steel sheets to 1.5–4 mm steel substructure
- For high-strength steel substructures according to ETA-21/0420

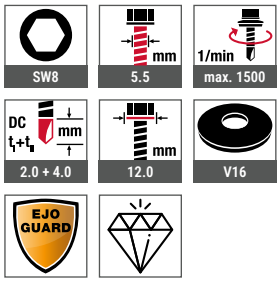
Properties

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

Applications



Technical specifications



Certifications



Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer V16, Ø 16 mm						
JT2-6-5.5X20 F12 V16 EJOGUARD	20	0 – 5	500		3973321634	4061245092706
JT2-6-5.5X25 F12 V16 EJOGUARD	25	0 – 10	500		3973421634	4061245105741
JT2-6-5.5X25 F12 V16 EJOGUARD VE100	25	0 – 10	100		6973421634	4061245092935

Self-drilling screw JT2-6-6.3 F12 EJOGUARD



Cross references	page
Cordless screwdriver	
ASCM QSW	422
Socket wrench insert SW3/8"	442

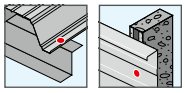
Application range

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

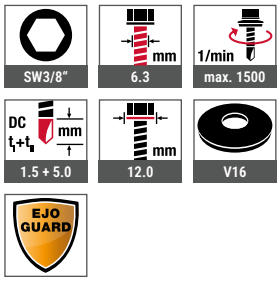
Properties

> Case-hardened steel, protected against corrosion
> Steel sealing washer, zinc-plated
> Pre-assembled sealing washer

Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer V16, Ø 16 mm						
JT2-6-6.3X22 F12 V16 EJOGUARD	22	0 – 7	500		3824221997	4061245092942
JT2-6-6.3X25 F12 V16 EJOGUARD	25	0 – 10	500		3824421997	4061245092515
JT2-6-6.3X25 F12 V16 EJOGUARD VE100	25	0 – 10	100		6824421997	4061245092959
JT2-6-6.3X32 F12 V16 EJOGUARD	32	0 – 17	500		3824321997	4061245092522
JT2-6-6.3X38 F12 V16 EJOGUARD	38	0 – 23	500		3824521997	4061245092539

Self-drilling screw JT2-12-5.5 F12 EJOGUARD



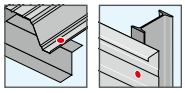
Application range

> Fastening profiled steel sheets to 4–10 mm steel substructure

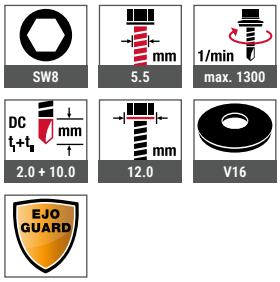
Properties

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

Applications



Technical specifications



Certifications



Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer V16, Ø 16 mm						
JT2-12-5.5X35 F12 V16 EJOGUARD	35	0 – 10	500		3814521997	4061245092546
JT2-12-5.5X35 F12 V16 EJOGUARD VE100	35	0 – 10	100		6814521997	4061245092553
JT2-12-5.5X50 F12 V16 EJOGUARD	50	0 – 25	250		3817121997	4061245092560
JT2-12-5.5X50 F12 V16 EJOGUARD VE100	50	0 – 25	100		6817121997	4061245092577
JT2-12-5.5X65 F12 V16 EJOGUARD	65	6 – 40	250		3817521997	4061245092584
JT2-12-5.5X65 F12 V16 EJOGUARD VE100	65	6 – 40	100		6817521997	4061245092607

Self-drilling screw JT2-18-5.5 F12 EJOGUARD



Cross references	page
Cordless screwdriver	
ASCM QSW	422
Socket wrench insert SW8	442

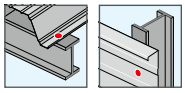
Application range

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

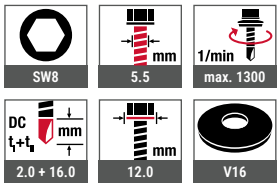
Properties

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

Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer V16, Ø 16 mm						
JT2-18-5.5x40 F12 V16 EJOGUARD	40	0 – 12	500		3914021997	4061245014913

Self-drilling screw JT2-FZ-6-6.3 EJOGUARD



Application range

> Fastening corrugated fibre cement sheet to steel substructure 1.5–5 mm

Properties

> Case-hardened steel, protected against corrosion
> Fibre cement seal FZD pre-assembled
> A2 stainless steel washer
> Screw wings save additional drilling into the corrugated slabs
> Reduced forcing tension

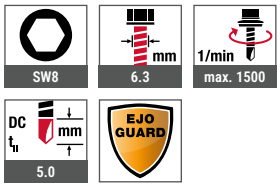
Notice

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

Applications



Technical specifications



Certifications



Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Assembly instruction

Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT2-FZ-6-6.3x110 FZD EJOGUARD	110	100		3512275664	4061245016092

Self-drilling screw JT2-FZ-12-6.3 EJOGUARD



Application range

> Fastening corrugated fibre cement sheet to steel substructure 5–12 mm

Properties

> Case-hardened steel, protected against corrosion
> Fibre cement seal FZD pre-assembled
> A2 stainless steel washer
> Screw wings save additional drilling into the corrugated slabs
> Reduced forcing tension

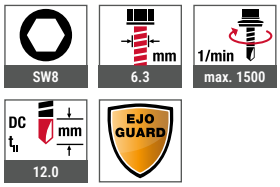
Notice

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

Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT2-FZ-12-6.3x115 FZD EJOGUARD	115	100		3512375614	4061245016085

Self-drilling screw JT2-FZ-F-6.5



Application range

> Fastening corrugated fibre cement sheets to timber substructure

Properties

> Case-hardened steel, hot-dip zinc-plated
> Fibre cement seal FZD pre-assembled
> 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.

Applications



Technical specifications



Certifications



Cross references	page
JT4-FZ-6.5x130 FZD	133
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Assembly instruction

Product in the online shop

Order description	Length [mm]	Thread length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT2-FZ-F-6.5x100 FZD*	100	50	100		3515175608	4061245016078
JT2-FZ-F-6.5x130 FZD*	130	50	100		3515675608	4061245016054

*No approval

Self-drilling screw JT2-ST-2-6.0 EJOGUARD



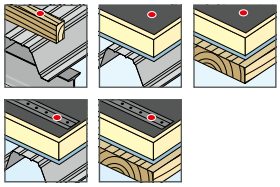
Application range

> Fastening timber components to thin-walled steel substructures
> Fastening of edge planks
> To fix roofing membranes and insulating material to substructures made of sheet steel ≥ 0.70 mm ≤ 1.5 mm, timber or wood-based material in combination with EJOT stress plates

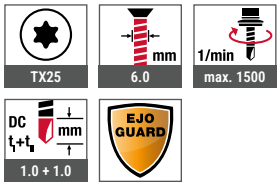
Properties

> Case-hardened steel, protected against corrosion
> With countersunk head

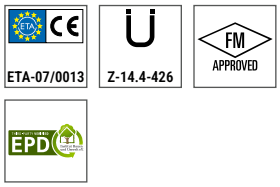
Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Cross references	page
Stress plate HTV 82/40 F	230
Stress plate HTV 40 RU	231
Flat roof profile FP	232
Stress plate EcoTek 50	235
Cordless screwdriver ASCM QSW	422
Bit hexalobular TX25	439
Bit holder	446

Order description	Length [mm]	Thread length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT2-ST-2-6.0x40 EJOGUARD	40	40	0 – 27	500		7282110609	4061245014517
JT2-ST-2-6.0x60 EJOGUARD	60	45	15 – 47	500		7282119609	4061245014432
JT2-ST-2-6.0x80 EJOGUARD	80	65	15 – 67	250		7282112609	4061245014500
JT2-ST-2-6.0x100 EJOGUARD	100	65	35 – 87	250		7282113609	4061245014494
JT2-ST-2-6.0x120 EJOGUARD	120	65	55 – 107	250		7282114609	4061245014487
JT2-ST-2-6.0x140 EJOGUARD	140	65	75 – 127	250		7282115609	4061245014470
JT2-ST-2-6.0x160 EJOGUARD	160	65	95 – 147	100		7282116609	4061245014463
JT2-ST-2-6.0x180 EJOGUARD	180	65	115 – 167	100		7282117609	4061245014456
JT2-ST-2-6.0x200 EJOGUARD	200	65	135 – 197	100		7282118609	4061245014449

Self-drilling screw JT2-ST-2-6.8 EJOGUARD



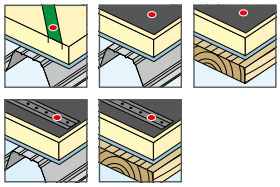
Application range

> Fastening milled system rails to thin-walled steel and aluminium substructures
> To fix roofing membranes and insulating material to substructures made of sheet steel ≥ 0.70 mm ≤ 1.5 mm, timber or wood-based material in combination with EJOT stress plates

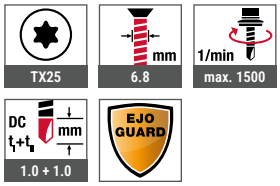
Properties

> Case-hardened steel, protected against corrosion
> EJOGUARD corrosion protection
> With countersunk head

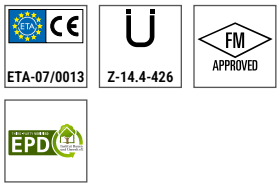
Applications



Technical specifications



Certifications



Cross references	page
Stress plate HTV 82/40 F	230
Stress plate HTV 40 RU	231
Flat roof profile FP	232
Stress plate EcoTek 50	235
Cordless screwdriver ASCM QSW	422
Bit hexalobular TX25	439
Bit holder	446

Assembly instruction

Product in the online shop

Order description	Length [mm]	Thread length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT2-ST-2-6.8x205 EJOGUARD	205	75	130 – 195	100		7282305609	4061245014425
JT2-ST-2-6.8x245 EJOGUARD	245	75	170 – 235	100		7282345609	4061245014401
JT2-ST-2-6.8x285 EJOGUARD	285	75	210 – 275	100		7282385609	4061245014395
JT2-ST-2-6.8x325 EJOGUARD	325	75	250 – 315	100		7282335609	4061245014418

Self-drilling screw JT2-WD-5-5.5



Application range

> Special screw for fastening wood to steel substructures up to a thickness of 5 mm

Properties

> Case-hardened steel, protected against corrosion
> The wings widen the drill hole in the wood component to be fastened in order to prevent forced feed. They break off as soon as they touch the steel substructure. This prevents the wood to be fastened from being pushed away from the substructure.

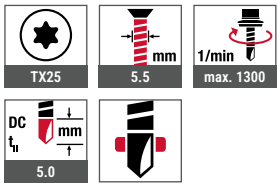
Notice

To ensure shearing of the wings, the material thickness of the steel substructure must be at least 2.5 mm The screw is not suitable for fastening OSB boards.

Applications



Technical specifications



Cross references	page
Cordless screwdriver	
ASCM QSW	422
Bit hexalobular TX25	439
Bit holder	446

Assembly instruction









Product in the online shop



Order description	Length [mm]	Thread length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT2-WD-5-5.5x50	50	30	12 – 35	200		7289206601	4061245014388
JT2-WD-5-5.5x60	60	30	22 – 45	200		7289207601	4061245014371
JT2-WD-5-5.5x80	80	60	12 – 65	200		7289208601	4061245014364
JT2-WD-5-5.5x100	100	60	32 – 85	200		7289202601	4061245038537

Further lengths upon request



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

EJOFAST



Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Application range

> Side lap stitching of profiled steel / aluminium sheets and sandwich panels

Properties

> A2 stainless steel with hardened steel point
> Stainless steel sealing washer
> Pre-assembled sealing washer
> With free spin zone under screw head for effective side lap stitching
> Non-skid application
> Fastening with reduced swarf
> Loose or collated
> Suitable for installation with the EJOFAST® JF screwdriver

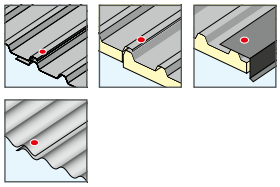




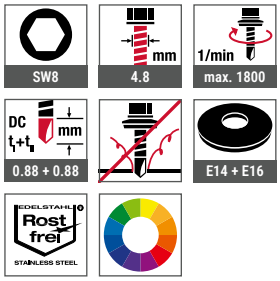
EJOFAST® JF screwdriver
Rental equipment available
Article number G000000070

Info see page 31

Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 14, Ø 14 mm, loose						
JF3-2H-4.8x19 E14	19	0 – 4	500		3591977391	4061245015583
JF3-2H-4.8x19 E14 VE100	19	0 – 4	100		6591977391	4061245014791
JF3-2H-4.8x19-E14 RAL 7016	19	0 – 4	100		3351977025	4061245039749
JF3-2H-4.8x19-E14 RAL 9002	19	0 – 4	100		3351977082	4061245039671
JF3-2H-4.8x19-E14 RAL 9006	19	0 – 4	100		3351977084	4061245044804
JF3-2H-4.8x19-E14 RAL 9007	19	0 – 4	100		3351977220	4061245044811
Sealing washer E 14, Ø 14 mm, collated						
JF3-2H-4.8x19 E14 collated	19	0 – 4	500		3385009000	4061245016559
Sealing washer E 16, Ø 16 mm, loose						
JF3-2H-4.8x19 E16	19	0 – 4	500		3591911391	4061245026466

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



Cross references	page
Cordless screwdriver	
ASCM QSW	422
Bit hexalobular TX25	439
FR-tool	446
FR-tool plastic	447

Application range

> Fixing cant parts to profiled elements

Properties

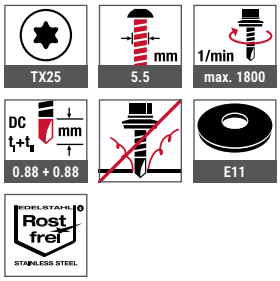
> A2 stainless steel with hardened steel point
> Stainless steel sealing washer
> Pre-assembled sealing washer
> Non-skid application
> Fastening with reduced swarf
> High load-bearing capacity
> With truss head

EJOFAST

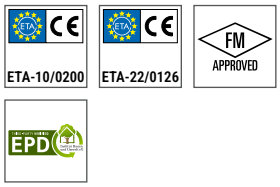
Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 11, Ø 11 mm						
JF3-FR-2-5.5x25 E11	25	0 – 7	500		3593292391	4061245015460

Further versions available



Self-drilling screw JT3-2-5.5
| Page 194

A4 stainless steel available upon request



Self-drilling screw JF6-FR-2-5.5

EJOFAST® self-drilling screw JF3-Plus-4.9

EJOFAST



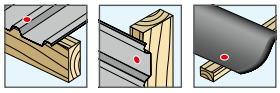
Application range

> Fastening profiled steel or aluminium sheets and roofing sheet to timber substructures

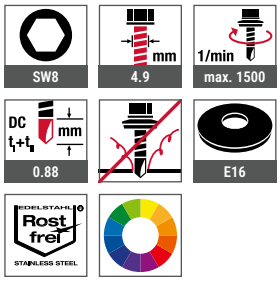
Properties

> A2 stainless steel with hardened steel point
> Stainless steel sealing washer
> Pre-assembled sealing washer
> Fastening with reduced swarf
> Assembly without pre-drilling
> Non-skid application
> High load-bearing capacity

Applications



Technical specifications



Certifications



Cross references	page
ORKAN storm washers	150
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Assembly instruction

Product in the online shop

Order description	Length [mm]	Thread length [mm]	Height component I [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 16, Ø 16 mm							
JF3-Plus-4.9x35 E16	35	28	0 – 5	500		3593667323	4061245083605
JF3-Plus-4.9x35 E16 VE100	35	28	0 – 5	100		6593667323	4061245083506
JF3-Plus-4.9x35 E16 RAL 7016	35	28	0 – 5	100		3333667025	4061245116303
JF3-Plus-4.9x35 E16 RAL 9002	35	28	0 – 5	100		3333667082	4061245116310
JF3-Plus-4.9x35 E16 RAL 9006	35	28	0 – 5	100		3333667084	4061245116327
JF3-Plus-4.9x35 E16 RAL 9007	35	28	0 – 5	100		3333667220	4061245116334
JF3-Plus-4.9x70 E16	70	50	20 – 40	250		3597167323	4061245083612

EJOFAST® self-drilling screw JF3-FR-plus-4.9



Application range

> Fastening profiled steel or aluminium sheets to timber sub-structures

Properties

> A2 stainless steel with hardened steel point
> Stainless steel sealing washer
> Pre-assembled sealing washer
> Fastening with reduced swarf
> Assembly without pre-drilling
> Non-skid application
> High load-bearing capacity
> With truss head

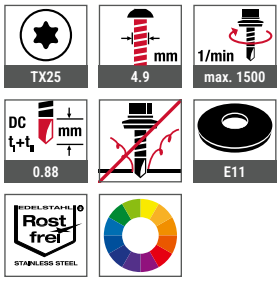
Cross references	page
Cordless screwdriver	
ASCM QSW	422
FR-tool	446
FR-tool plastic	447

EJOFAST

Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Order description	Length [mm]	Thread length [mm]	Height component I [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 11, Ø 11 mm							
JF3-FR-Plus-4.9x35 E11	35	28	0 – 5	500		3593692329	4061245083629
JF3-FR-Plus-4.9x35 E11 VE100	35	28	0 – 5	100		6593692329	4061245083636
JF3-FR-Plus-4.9x35 E11 RAL 7016	35	28	0 – 5	100		3333692025	4061245116341
JF3-FR-Plus-4.9x35 E11 RAL 9002	35	28	0 – 5	100		3333692082	4061245116358
JF3-FR-Plus-4.9x35 E11 RAL 9006	35	28	0 – 5	100		3333692084	4061245116365
JF3-FR-Plus-4.9x35 E11 RAL 9007	35	28	0 – 5	100		3333692220	4061245116372

EJOFAST® self-drilling screw JF3-Plus-6.8

EJOFAST



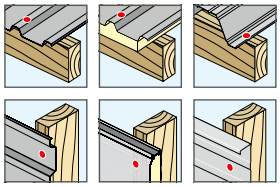
Application range

> Fastening profiled steel and aluminium sheets and sandwich panels to timber substructures

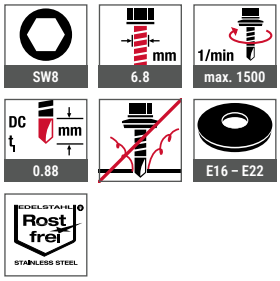
Properties

> A2 stainless steel with hardened steel point
> Stainless steel sealing washer
> Pre-assembled sealing washer
> Fastening with reduced swarf
> Assembly without pre-drilling
> Non-skid application
> High load-bearing capacity

Applications



Technical specifications



Certifications



Cross references	page
ORKAN storm washers	150
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Assembly instruction

Product in the online shop

Order description	Length [mm]	Thread length [mm]	Height component I [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 16, Ø 16 mm							
JF3-Plus-6.8x40 E16	40	40	–	250		3594067393	4061245080611
JF3-Plus-6.8x40 E16 VE100	40	40	–	100		6594067393	4061245081304
JF3-Plus-6.8x60 E16	60	60	0 – 10	250		3594167393	4061245080635
JF3-Plus-6.8x60 E16 VE100	60	60	0 – 10	100		6594167393	4061245081335
JF3-Plus-6.8x80 E16	80	75	0 – 30	250		3594267393	4061245081366
JF3-Plus-6.8x80 E16 VE100	80	75	0 – 30	100		6594267393	4061245081373
JF3-Plus-6.8x100 E16	100	75	20 – 50	100		3594367393	4061245081403
JF3-Plus-6.8x120 E16	120	75	40 – 70	100		3594467393	4061245081434
JF3-Plus-6.8x140 E16	140	75	60 – 90	100		3594567393	4061245081465
JF3-Plus-6.8x160 E16	160	75	80 – 110	100		3594667393	4061245081496
JF3-Plus-6.8x180 E16	180	75	100 – 130	100		3594767393	4061245081526
JF3-Plus-6.8x200 E16	200	75	120 – 150	100		3594867393	4061245081557
JF3-Plus-6.8x220 E16	220	75	140 – 170	100		3594967393	4061245081601
JF3-Plus-6.8x240 E16	240	75	160 – 190	100		3595067393	4061245081632
JF3-Plus-6.8x260 E16	260	75	180 – 210	100		3595167393	4061245081663
JF3-Plus-6.8x280 E16	280	75	200 – 230	100		3595267393	4061245081694
JF3-Plus-6.8x300 E16	300	75	220 – 250	100		3595367393	4061245081724

Order description	Length [mm]	Thread length [mm]	Height component I [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 19, Ø 19 mm							
JF3-Plus-6.8x40 E19	40	40	–	250		3594066393	4061245081311
JF3-Plus-6.8x60 E19	60	60	0 – 10	250		3594166393	4061245081342
JF3-Plus-6.8x80 E19	80	75	0 – 30	100		3594266393	4061245081380
JF3-Plus-6.8x100 E19	100	75	20 – 50	100		3594366393	4061245081410
JF3-Plus-6.8x120 E19	120	75	40 – 70	100		3594466393	4061245081441
JF3-Plus-6.8x140 E19	140	75	60 – 90	100		3594566393	4061245081472
JF3-Plus-6.8x160 E19	160	75	80 – 110	100		3594666393	4061245081502
JF3-Plus-6.8x180 E19	180	75	100 – 130	100		3594766393	4061245081533
JF3-Plus-6.8x200 E19	200	75	120 – 150	100		3594866393	4061245081564
JF3-Plus-6.8x220 E19	220	75	140 – 170	100		3594966393	4061245081618
JF3-Plus-6.8x240 E19	240	75	160 – 190	100		3595066393	4061245081649
JF3-Plus-6.8x260 E19	260	75	180 – 210	100		3595166393	4061245081670
JF3-Plus-6.8x280 E19	280	75	200 – 230	100		3595266393	4061245081700
JF3-Plus-6.8x300 E19	300	75	220 – 250	100		3595366393	4061245081731
Sealing washer E 22, Ø 22 mm							
JF3-Plus-6.8x40 E22	40	40	–	250		3594013393	4061245081328
JF3-Plus-6.8x60 E22	60	60	0 – 10	250		3594113393	4061245081359
JF3-Plus-6.8x80 E22	80	75	0 – 30	100		3594213393	4061245081397
JF3-Plus-6.8x100 E22	100	75	20 – 50	100		3594313393	4061245081427
JF3-Plus-6.8x120 E22	120	75	40 – 70	100		3594413393	4061245081458
JF3-Plus-6.8x140 E22	140	75	60 – 90	100		3594513393	4061245081489
JF3-Plus-6.8x160 E22	160	75	80 – 110	100		3594613393	4061245081519
JF3-Plus-6.8x180 E22	180	75	100 – 130	100		3594713393	4061245081540
JF3-Plus-6.8x200 E22	200	75	120 – 150	100		3594813393	4061245081571
JF3-Plus-6.8x220 E22	220	75	140 – 170	100		3594913393	4061245081625
JF3-Plus-6.8x240 E22	240	75	160 – 190	100		3595013393	4061245081656
JF3-Plus-6.8x260 E22	260	75	180 – 210	100		3595113393	4061245081687
JF3-Plus-6.8x280 E22	280	75	200 – 230	100		3595213393	4061245081717
JF3-Plus-6.8x300 E22	300	75	220 – 250	100		3595313393	4061245081748

***Calculated with the setting depth of 50 mm recommended by EJOT. Deviating setting depths possible according to ETA.**

Self-drilling screw JT3-2H-4.8



Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

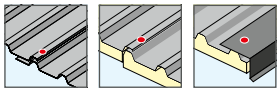
Application range

- Side lap stitching of profiled steel / aluminium sheets and sandwich panels
- Fastening of flashings

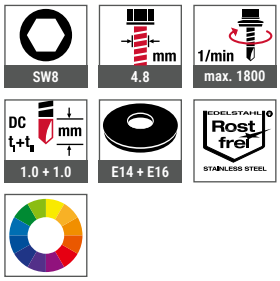
Properties

- Suitable for installation with the EJOFAST® JF screwdriver
- A2 stainless steel with hardened steel drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer
- With free spin zone under screw head for effective side lap stitching
- Loose or collated

Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop





EJOFAST® JF screwdriver
Rental equipment available
Article number G000000070

Info see page 31

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 14, Ø 14 mm, loose						
JT3-2H-4.8x19 E14	19	0 – 4	500		3591977351	4061245015590
JT3-2H-4.8x19 E14 VE100	19	0 – 4	100		6591977351	4061245014807
JT3-2H-4.8x19-E14 RAL 7016	19	0 – 4	100		3531977525	4061245035826
JT3-2H-4.8x19-E14 RAL 9002	19	0 – 4	100		3531977582	4061245035987
JT3-2H-4.8x19-E14 RAL 9006	19	0 – 4	100		3531977584	4061245036007
JT3-2H-4.8x19-E14 RAL 9007	19	0 – 4	100		3380209220	4061245036014
Sealing washer E 14, Ø 14 mm, collated						
JT3-2H-4.8x19 E14 collated	19	0 – 4	500		3380209000	4061245016566
Sealing washer E 16, Ø 16 mm, loose						
JT3-2H-4.8x19 E16	19	0 – 4	500		3591911351	4061245026473

Self-drilling screw JT3-FR-2H-4.8



Cross references	page
Cordless screwdriver	
ASCM QSW	422
Bit hexalobular TX25	439
FR-tool	446
FR-tool plastic	447

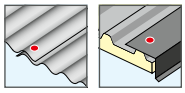
Application range

> Side lap stitching of profiled steel and aluminium sheets

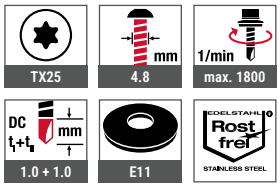
Properties

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

Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 11, Ø 11 mm						
JT3-FR-2H-4.8x19 E11	19	0 – 4	500		3591968358	4061245047898
JT3-FR-2H-4.8x19 E11 VE100	19	0 – 4	100		6591968358	4061245051888

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



Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

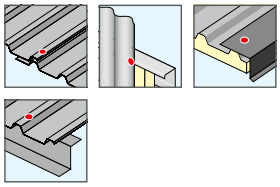
Application range

- Side lap stitching of profiled steel and aluminium sheets
- Fastening profiled steel and aluminium sheets to cassette system walls
- For high-strength steel substructures
- For fixing profiled steel and aluminium sheet to thin-walled steel and aluminium substructure

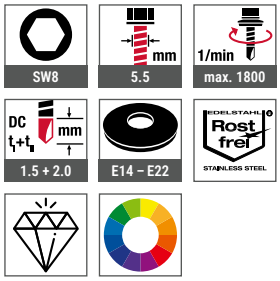
Characteristics

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

Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 11, Ø 11 mm						
JT3-2H-Plus-5.5x25 E11 belted	25	0 – 7	560		3380969000	4061245075044
Sealing washer E 14, Ø 14 mm						
JT3-2H-Plus-5.5x25 E14	25	0 – 7	500		3592209391	4061245026442
Sealing washer E 16, Ø 16 mm						
JT3-2H-Plus-5.5x25 E16	25	0 – 7	500		3592211391	4061245015552
JT3-2H-Plus-5.5x25 E16 VE100	25	0 – 7	100		6592211391	4061245014760
JT3-2H-Plus-5.5x25 E16 RAL 7016	25	0 – 7	100		3592211325	4061245034294
JT3-2H-Plus-5.5x25 E16 RAL 9002	25	0 – 7	100		3592211382	4061245034300
JT3-2H-Plus-5.5x25 E16 RAL 9006	25	0 – 7	100		3592211384	4061245034317
JT3-2H-Plus-5.5x25 E16 RAL 9007	25	0 – 7	100		3380911220	4061245044828
JT3-2H-Plus-5.5x30 E16	30	0 – 12	500		3592311391	4061245050126
JT3-2H-Plus-5.5x35 E16	35	0 – 17	500		3592511391	4061245015514
Sealing washer E 19, Ø 19 mm						
JT3-2H-Plus-5.5x25 E19	25	0 – 7	500		3592212391	4061245050218
Sealing washer E 22, Ø 22 mm						
JT3-2H-Plus-5.5x25 E22	25	0 – 7	500		3592213391	4061245026428

Further lengths upon request

Also available in A4 stainless steel



Self-drilling screw JT6-2H-plus-5.5
| Page 134

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



Cross references	page
Cordless screwdriver	
ASCM QSW	422
Bit hexalobular TX25	439
FR-tool	446
FR-tool plastic	447

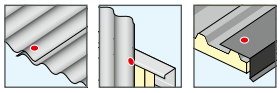
Application range

- Side lap stitching of profiled steel and aluminium sheets
- Fastening profiled steel and aluminium sheets to cassette system walls
- For high-strength steel substructures

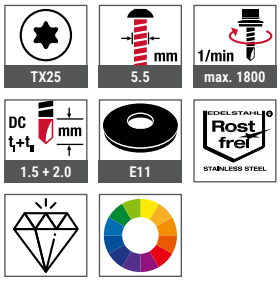
Properties

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

Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 11, Ø 11 mm						
JT3-FR-2H-Plus-5.5x25 E11	25	0 – 7	500		3592269398	4061245015538
JT3-FR-2H-Plus-5.5x25 E11 VE100	25	0 – 7	100		6592269398	4061245014746
JT3-FR-2H-Plus 5.5x25 E11 RAL 7016	25	0 – 7	100		3390569025	4061245036465
JT3-FR-2H-Plus 5.5x25 E11 RAL 9002	25	0 – 7	100		3390569082	4061245036502
JT3-FR-2H-Plus 5.5x25 E11 RAL 9006	25	0 – 7	100		3390569084	4061245036519
JT3-FR-2H-Plus 5.5x25 E11 RAL 9007	25	0 – 7	100		3390590220	4061245036526
Order information: Further colours upon request						

Self-drilling screw JT3-2-6.5



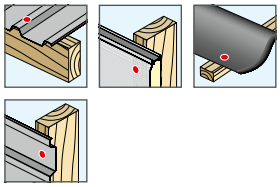
Application range

> Fastening profiled steel and aluminium sheets, sandwich panels and roofing sheets to timber substructures

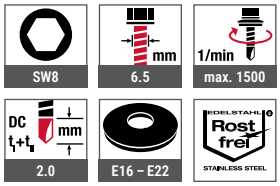
Properties

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

Applications



Technical specifications



Certifications



Cross references	page
ORKAN storm washers	150
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Assembly instruction

Product in the online shop

Order description	Length [mm]	Thread length [mm]	Height component I [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 16, Ø 16 mm							
JT3-2-6.5x40-E16	40	40	–	250		3594011321	4061245015422
JT3-2-6.5x40 E16 VE100	40	40	–	100		6594011321	4061245014685
JT3-2-6.5x50-E16	50	50	–	250		3598811321	4061245014968
JT3-2-6.5x50 E16 VE100	50	50	–	100		6598811321	4061245014586
JT3-2-6.5x65-E16	65	65	0 – 15	250		3598911321	4061245014951
JT3-2-6.5x65 E16 VE100	65	65	0 – 15	100		6598911321	4061245014579
JT3-2-6.5x80-E16	80	80	0 – 30	250		3598011321	4061245015019
JT3-2-6.5x80 E16 VE100	80	80	0 – 30	100		6598011321	4061245014593
JT3-2-6.5x100-E16	100	80	16 – 50	100		3598111321	4061245014982
JT3-2-6.5x120-E16	120	80	36 – 70	100		3598311321	4061245014975
JT3-2-6.5x140-E16	140	80	56 – 90	100		3598511321	4061245025667
JT3-2-6.5x160-E16	160	80	76 – 110	100		3598711321	4061245025643
JT3-2-6.5x180-E16	180	80	96 – 130	100		3598211321	4061245025698
JT3-2-6.5x200-E16	200	80	116 – 150	100		3599011321	4061245025605
JT3-2-6.5x220-E16	220	80	136 – 170	100		3599111321	4061245116402
JT3-2-6.5x240-E16	240	80	156 – 190	100		3599211321	4061245025568
JT3-2-6.5x260-E16	260	80	176 – 210	100		3599311321	4061245025544
JT3-2-6.5x280-E16	280	80	196 – 230	100		3599511321	4061245025520
JT3-2-6.5x300-E16	300	80	216 – 250	100		3599611321	4061245025506

Order description	Length [mm]	Thread length [mm]	Height component I [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 19, Ø 19 mm							
JT3-2-6.5x40-E19	40	40	–	250		3594012321	4061245041643
JT3-2-6.5x50-E19	50	50	–	250		3598812321	4061245040707
JT3-2-6.5x65-E19	65	65	0 – 15	250		3598912321	4061245040691
JT3-2-6.5x80-E19	80	80	0 – 30	100		3598012321	4061245040745
JT3-2-6.5x100-E19	100	80	16 – 50	100		3598112321	4061245040721
JT3-2-6.5x120-E19	120	80	36 – 70	100		3598312321	4061245040714
JT3-2-6.5x140-E19	140	80	56 – 90	100		3598512321	4061245049588
JT3-2-6.5x160-E19	160	80	76 – 110	100		3598712321	4061245049571
JT3-2-6.5x180-E19	180	80	96 – 130	100		3598212321	4061245049632
JT3-2-6.5x200-E19	200	80	116 – 150	100		3599012321	4061245049557
JT3-2-6.5x220-E19	220	80	136 – 170	100		3599112321	4061245049540
JT3-2-6.5x240-E19	240	80	156 – 190	50		3599212321	4061245049533
JT3-2-6.5x260-E19	260	80	176 – 210	100		3599312321	4061245049526
JT3-2-6.5x280-E19	280	80	196 – 230	100		3599566321	4061245049496
JT3-2-6.5x300-E19	300	80	216 – 250	100		3599612321	4061245067728
Sealing washer E 22, Ø 22 mm							
JT3-2-6.5x40-E22	40	40	–	250		3594013321	4061245026251
JT3-2-6.5x40 E22 VE100	40	40	–	100		6594013321	4061245025421
JT3-2-6.5x50-E22	50	50	–	250		3598813321	4061245025629
JT3-2-6.5x50 E22 VE100	50	50	–	100		6598813321	4061245025407
JT3-2-6.5x65-E22	65	65	0 – 15	250		3598913321	4061245047232
JT3-2-6.5x65 E22 VE100	65	65	0 – 15	100		6598913321	4061245025391
JT3-2-6.5x80-E22	80	80	0 – 30	100		3598013321	4061245025711
JT3-2-6.5x100-E22	100	80	16 – 50	100		3598113321	4061245025704
JT3-2-6.5x120-E22	120	80	36 – 70	100		3598313321	4061245025674
JT3-2-6.5x140-E22	140	80	56 – 90	100		3598513321	4061245025650
JT3-2-6.5x160-E22	160	80	76 – 110	100		3598713321	4061245025636
JT3-2-6.5x180-E22	180	80	96 – 130	100		3598213321	4061245025681
JT3-2-6.5x200-E22	200	80	116 – 150	100		3599013321	4061245032504
JT3-2-6.5x220-E22	220	80	136 – 170	100		3599113321	4061245025575
JT3-2-6.5x240-E22	240	80	156 – 190	100		3599213321	4061245025551
JT3-2-6.5x260-E22	260	80	176 – 210	100		3599313321	4061245025537
JT3-2-6.5x280-E22	280	80	196 – 230	100		3599513321	4061245025513
JT3-2-6.5x300-E22	300	80	216 – 250	100		3599613321	4061245025490

***Calculated with the setting depth of 50 mm recommended by EJOT. Deviating setting depths possible according to ETA.**

Self-drilling screw JT3-6-5.5



Application range

- Fastening profiled steel and aluminium sheets and sandwich panels to 1.5-4.0 mm steel substructures
- Fastening profiled aluminium sheets to aluminium substructures 1.5-4.0 mm
- Fastening profiled aluminium sheets to aluminium substructures (acc. to Z-10.3-701)
- For high-strength steel substructures

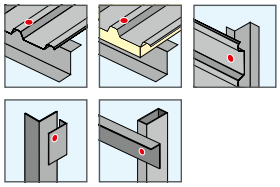
Properties

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

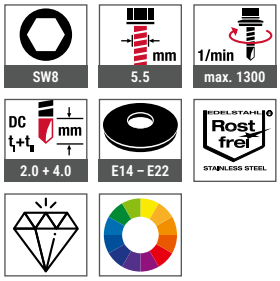
Notice

*Z-10.3-701 applies exclusively to the JT3-6-5.5x25 E14

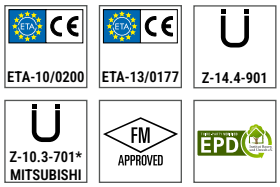
Applications



Technical specifications



Certifications



Cross references	page
ORKAN storm washers	150
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 14, Ø 14 mm						
JT3-6-5.5x25-E14	25	0 – 7	500		3572209361	4061245026664
JT3-6-5.5x30-E14	30	0 – 11	500		3572377361	4061245026589
JT3-6-5.5x35-E14	35	0 – 16	500		3572577361	4061245026541
Sealing washer E 16, Ø 16 mm						
JT3-6-5.5x25-E16	25	0 – 7	500		3572211361	4061245015699
JT3-6-5.5x25 E16 VE100	25	0 – 7	100		6572211361	4061245014852
JT3-6-5.5x25 E16 RAL 7016	25	0 – 7	100		3532211625	4061245034447
JT3-6-5.5x25 E16 RAL 9002	25	0 – 7	100		3532211682	4061245034539
JT3-6-5.5x25 E16 RAL 9006	25	0 – 7	100		3532211684	4061245034546
JT3-6-5.5x25 E16 RAL 9007	25	0 – 7	100		3381011220	4061245034553
JT3-6-5.5x30-E16	30	0 – 11	500		3572311361	4061245015675
JT3-6-5.5x30 E16 VE100	30	0 – 11	100		6572311361	4061245014845
JT3-6-5.5x35-E16	35	0 – 16	500		3572511361	4061245015668
JT3-6-5.5x35 E16 VE100	35	0 – 16	100		6572511361	4061245014838
JT3-6-5.5x50-E16	50	0 – 31	250		3592811361	4061245015484
JT3-6-5.5x50 E16 VE100	50	0 – 31	100		6592811361	4061245014722
JT3-6-5.5x70-E16	70	22 – 51	250		3593911361	4061245015439
JT3-6-5.5x70 E16 VE100	70	22 – 51	100		6593911361	4061245014692

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT3-6-5.5x90-E16	90	42 – 71	250		3596111361	4061245015118
JT3-6-5.5x90 E16 VE100	90	42 – 71	100		6596111361	4061245014616
JT3-6-5.5x110-E16	110	62 – 91	100		3596211361	4061245015101
JT3-6-5.5x130-E16	130	82 – 111	100		3596311361	4061245015095
JT3-6-5.5x150-E16	150	102 – 131	100		3596411361	4061245015088
JT3-6-5.5x170-E16	170	122 – 151	100		3596511361	4061245015071
JT3-6-5.5x190-E16	190	142 – 171	100		3596611361	4061245015064
Sealing washer E 19, Ø 19 mm						
JT3-6-5.5x25-E19	25	0 – 7	500		3572212361	4061245026657
JT3-6-5.5x30-E19	30	0 – 11	500		3572312361	4061245026602
JT3-6-5.5x35-E19	35	0 – 16	500		3572512361	4061245026572
JT3-6-5.5x50-E19	50	0 – 31	250		3592812361	4061245032306
JT3-6-5.5x70-E19	70	22 – 51	250		3593912361	4061245026299
JT3-6-5.5x90-E19	90	42 – 71	100		3596112361	4061245025872
JT3-6-5.5x110-E19	110	62 – 91	100		3596212361	4061245025841
JT3-6-5.5x130-E19	130	82 – 111	100		3596312361	4061245032436
JT3-6-5.5x150-E19	150	102 – 131	100		3596412361	4061245025780
JT3-6-5.5x170-E19	170	122 – 151	100		3596512361	4061245025766
JT3-6-5.5x190-E19	190	142 – 171	100		3596666361	4061245025735
Sealing washer E 22, Ø 22 mm						
JT3-6-5.5x25-E22	25	0 – 7	500		3572213361	4061245026640
JT3-6-5.5x25 E22 VE100	25	0 – 7	100		6572213361	4061245051963
JT3-6-5.5x30-E22	30	0 – 11	500		3572313361	4061245026596
JT3-6-5.5x35-E22	35	0 – 16	500		3572513361	4061245026565
JT3-6-5.5x50-E22	50	0 – 31	250		3592813361	4061245026367
JT3-6-5.5x70-E22	70	22 – 51	250		3593913361	4061245026282
JT3-6-5.5x90-E22	90	42 – 71	100		3596113361	4061245025865
JT3-6-5.5x110-E22	110	62 – 91	100		3596213361	4061245025834
JT3-6-5.5x130-E22	130	82 – 111	100		3596313361	4061245025797
JT3-6-5.5x150-E22	150	102 – 131	100		3596413361	4061245025773
JT3-6-5.5x170-E22	170	122 – 151	100		3596513361	4061245025759
JT3-6-5.5x190-E22	190	142 – 171	100		3596613361	4061245025742
Order information: Further RAL colours upon request						

Further lengths upon request



Also available in A4 stainless steel



Self-drilling screw
JT6-6-5.5
| Page 135

Self-drilling screw JT3-FR-6-5.5



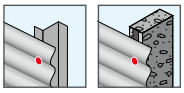
Application range

- Fastening corrugated profile steel sheets to 1.5–4 mm steel substructure
- Fastening profiled aluminium sheets to 1.5-4 mm steel or 2-5 mm aluminium substructures

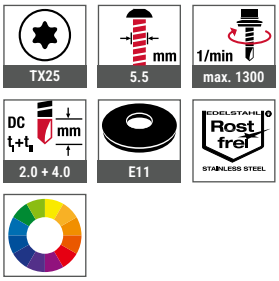
Properties

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

Applications



Technical specifications



Certifications



Cross references	page
Cordless screwdriver	
ASCM QSW	422
Bit hexalobular TX25	439
FR-tool	446
FR-tool plastic	447

Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 11, Ø 11 mm						
JT3-FR-6-5.5x25 E11	25	0 – 7	500		3592269368	4061245015545
JT3-FR-6-5.5x25 E11 VE100	25	0 – 7	100		6592269368	4061245014753
JT3-FR-6-5.5x25 E11 RAL 7016	25	0 – 7	100		3390469025	4061245034966
JT3-FR-6-5.5x25 E11 RAL 9002	25	0 – 7	100		3390469082	4061245034980
JT3-FR-6-5.5x25 E11 RAL 9006	25	0 – 7	100		3390469084	4061245035000
JT3-FR-6-5.5x25 E11 RAL 9007	25	0 – 7	100		3390469220	4061245035017
JT3-FR-6-5.5x35 E11	35	0 – 17	500		3592569368	4061245015491
JT3-FR-6-5.5x35 E11 VE100	35	0 – 17	100		6592569368	4061245014739
Order information: Further RAL colours upon request						

Self-drilling screw JT3-6-6.3



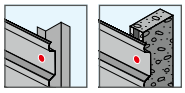
Application range

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

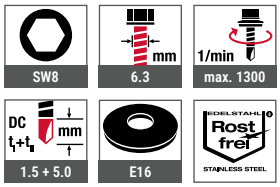
Properties

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

Applications



Technical specifications



Certifications



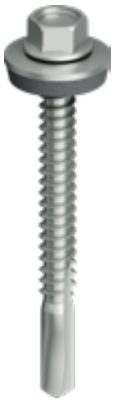
Assembly instruction

Product in the online shop

Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 16, Ø 16 mm						
JT3-6-6.3x25-E16	25	0 – 7	500		3599411361	4061245036847

Self-drilling screw JT3-12-5.5



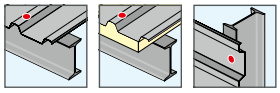
Application range

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

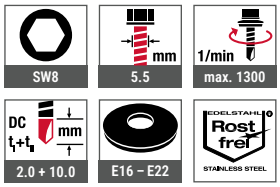
Properties

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

Applications



Technical specifications



Certifications



Cross references	page
ORKAN storm washers	150
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 16, Ø 16 mm						
JT3-12-5.5x40-E16	40	0 – 11	500		3595611311	4061245015187
JT3-12-5.5x40 E16 VE100	40	0 – 11	100		6595611311	4061245014630
JT3-12-5.5x58 E16	58	0 – 31	250		3595811311	4061245015132
JT3-12-5.5x58 E16 VE100	58	0 – 31	100		6595811311	4061245014623
JT3-12-5.5x78-E16	78	25 – 51	250		3595011311	4061245015316
JT3-12-5.5x78 E16 VE100	78	25 – 51	100		6595011311	4061245014647
JT3-12-5.5x98-E16	98	45 – 71	100		3595111311	4061245015286
JT3-12-5.5x118-E16	118	65 – 91	100		3595211311	4061245015262
JT3-12-5.5x138-E16	138	85 – 111	100		3595311311	4061245015248
JT3-12-5.5x158-E16	158	105 – 131	100		3595411311	4061245015224
JT3-12-5.5x178-E16	178	125 – 151	100		3595511311	4061245015217
JT3-12-5.5x198-E16	198	145 – 171	100		3595711311	4061245015156
Sealing washer E 19, Ø 19 mm						
JT3-12-5.5x40-E19	40	0 – 11	500		3595612311	4061245040837
JT3-12-5.5x58-E19	58	0 – 31	250		3595812311	4061245025896
JT3-12-5.5x78-E19	78	25 – 51	250		3595012311	4061245026145
JT3-12-5.5x98-E19	98	45 – 71	100		3595112311	4061245116600

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT3-12-5.5x118-E19	118	65 – 91	100		3595212311	4061245026053
JT3-12-5.5x138-E19	138	85 – 111	100		3595312311	4061245026022
JT3-12-5.5x158-E19	158	105 – 131	100		3595412311	4061245025995
JT3-12-5.5x178-E19	178	125 – 151	100		3595512311	4061245025971
JT3-12-5.5x198-E19	198	145 – 171	100		3595712311	4061245025919
Sealing washer E 22, Ø 22 mm						
JT3-12-5.5x40-E22	40	0 – 11	250		3595613311	4061245025926
JT3-12-5.5x40 E22 VE100	40	0 – 11	100		6595613311	4061245025414
JT3-12-5.5x58 E22	58	0 – 31	250		3595813311	4061245025889
JT3-12-5.5x78-E22	78	25 – 51	250		3595013311	4061245026138
JT3-12-5.5x98-E22	98	45 – 71	100		3595113311	4061245026091
JT3-12-5.5x118-E22	118	65 – 91	100		3595213311	4061245026046
JT3-12-5.5x138-E22	138	85 – 111	100		3595313311	4061245026015
JT3-12-5.5x158-E22	158	105 – 131	100		3595413311	4061245025988
JT3-12-5.5x178-E22	178	125 – 151	100		3595513311	4061245025964
JT3-12-5.5x198-E22	198	145 – 171	100		3595713311	4061245025902

Further lengths upon request



Also available in A4 stainless steel



Self-drilling screw
JT6-12-5.5
| Page 136

Self-drilling screw JT3-FR-12-5.5



Application range

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

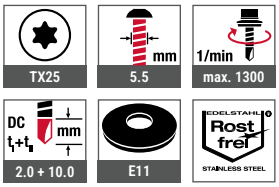
Properties

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

Applications



Technical specifications



Certifications



Cross references	page
Cordless screwdriver	
ASCM QSW	422
Bit hexalobular TX25	439
FR-tool	446
FR-tool plastic	447

Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 11, Ø 11 mm						
JT3-FR-12-5.5x40 E11	40	0 – 11	500		3595669318	4061245015170
Order information: RAL colours upon request						

Self-drilling screw JT3-18-5.5



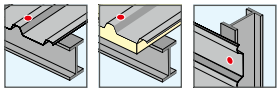
Application range

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

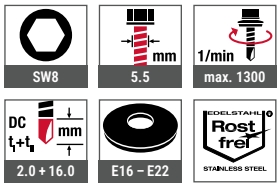
Properties

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

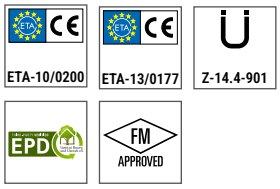
Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Cross references	page
ORKAN storm washers	150
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 16, Ø 16 mm						
JT3-18-5.5x55-E16	55	0 – 18	500		3593011381	4061245015477
JT3-18-5.5x115-E16	115	40 – 78	100		3595011381	4061245015309
JT3-18-5.5x155-E16	155	80 – 118	100		3595511381	4061245015194
JT3-18-5.5x195-E16	195	120 – 158	100		3596011381	4061245015125
JT3-18-5.5x235-E16	235	160 – 198	100		3597511381	4061245015033
JT3-18-5.5x275-E16	275	200 – 238	100		3598011381	4061245015002
Sealing washer E 19, Ø 19 mm						
JT3-18-5.5x55-E19	55	0 – 18	250		3593012381	4061245041018
JT3-18-5.5x115-E19	115	40 – 78	100		3595012381	4061245040929
JT3-18-5.5x155-E19	155	80 – 118	100		3595512381	4061245040851
JT3-18-5.5x195-E19	195	120 – 158	100		3596012381	4061245040783
JT3-18-5.5x235-E19	235	160 – 198	100		3597512381	4061245040752
JT3-18-5.5x275-E19	275	200 – 238	100		3598012381	4061245044453
Sealing washer E 22, Ø 22 mm						
JT3-18-5.5x55-E22	55	0 – 18	250		3593013381	4061245026336
JT3-18-5.5x115-E22	115	40 – 78	100		3595013381	4061245040912
JT3-18-5.5x155-E22	155	80 – 118	100		3595513381	4061245040844
JT3-18-5.5x195-E22	195	120 – 158	100		3596013381	4061245040776
JT3-18-5.5x235-E22	235	160 – 198	100		3597513381	4061245044446
JT3-18-5.5x275-E22	275	200 – 238	100		3598013381	4061245040738

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



Application range

> For fixing sandwich panels to 1.5–4 mm steel substructures
> For high-strength steel substructures

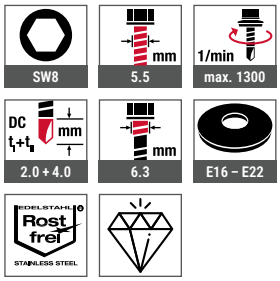
Properties

> A2 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

Applications



Technical specifications



Certifications



Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 16, Ø 16 mm						
JT3-D-6H-5.5/6.3x67 E16	67	30 – 48	250		3554511372	4061245027241
JT3-D-6H-5.5/6.3x87 E16	87	41 – 68	250		3556011371	4061245027142
JT3-D-6H-5.5/6.3x107 E16	107	51 – 88	100		3556111371	4061245027128
JT3-D-6H-5.5/6.3x127 E16	127	71 – 108	100		3556211371	4061245027104
JT3-D-6H-5.5/6.3x147 E16	147	91 – 128	100		3556311371	4061245027081
JT3-D-6H-5.5/6.3x167 E16	167	111 – 148	100		3556711371	4061245027043
JT3-D-6H-5.5/6.3x197 E16	197	141 – 178	100		3559711372	4061245026725
JT3-D-6H-5.5/6.3x237 E16	237	171 – 218	100		3559611372	4061245026749
JT3-D-6H-5.5/6.3x267 E16	267	201 – 248	100		3559911372	4061245026688
Sealing washer E 19, Ø 19 mm						
JT3-D-6H-5.5/6.3x67 E19	67	30 – 48	100		3554566372	4061245016047
JT3-D-6H-5.5/6.3x87 E19	87	41 – 68	100		3556066371	4061245015989
JT3-D-6H-5.5/6.3x107 E19	107	51 – 88	100		3556166371	4061245015972
JT3-D-6H-5.5/6.3x127 E19	127	71 – 108	100		3556266371	4061245015965
JT3-D-6H-5.5/6.3x147 E19	147	91 – 128	100		3556366371	4061245015941
JT3-D-6H-5.5/6.3x167 E19	167	111 – 148	100		3556766371	4061245015910

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT3-D-6H-5.5/6.3x197 E19	197	141 – 178	100		3559766372	4061245015743
JT3-D-6H-5.5/6.3x237 E19	237	171 – 218	100		3559666372	4061245015767
JT3-D-6H-5.5/6.3x267 E19	267	201 – 248	100		3559966372	4061245015705
Sealing washer E 22, Ø 22 mm						
JT3-D-6H-5.5/6.3x67 E22	67	30 – 48	100		3554513372	4061245027234
JT3-D-6H-5.5/6.3x87 E22	87	41 – 68	100		3556013371	4061245027135
JT3-D-6H-5.5/6.3x107 E22	107	51 – 88	100		3556113371	4061245027111
JT3-D-6H-5.5/6.3x127 E22	127	71 – 108	100		3556213371	4061245027098
JT3-D-6H-5.5/6.3x147 E22	147	91 – 128	100		3556313371	4061245027074
JT3-D-6H-5.5/6.3x167 E22	167	111 – 148	100		3556713371	4061245027036
JT3-D-6H-5.5/6.3x197 E22	197	141 – 178	100		3559713372	4061245032610
JT3-D-6H-5.5/6.3x237 E22	237	171 – 218	100		3559613372	4061245026732
JT3-D-6H-5.5/6.3x267 E22	267	201 – 248	100		3559913372	4061245026671

Other variants available upon request



A4 stainless steel available upon request



Self-drilling screw JT6-D-6H-5.5/6.3

Self-drilling screw JT3-D-12H-5.5/6.3



Application range

> For fixing sandwich elements to 3–12 mm steel substructures

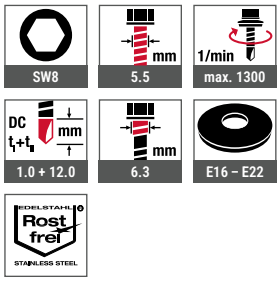
Properties

> A2 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

Applications



Technical specifications



Certifications



Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 16, Ø 16 mm						
JT3-D-12H-5.5/6.3x75 E16	75	41 – 48	250		3557511312	4061245026985
JT3-D-12H-5.5/6.3x95 E16	95	51 – 68	100		3554911311	4061245027227
JT3-D-12H-5.5/6.3x115 E16	115	61 – 88	100		3555211311	4061245027203
JT3-D-12H-5.5/6.3x135 E16	135	73 – 108	100		3555411311	4061245027180
JT3-D-12H-5.5/6.3x155 E16	155	93 – 128	100		3555711311	4061245027166
JT3-D-12H-5.5/6.3x175 E16	175	113 – 148	100		3556511312	4061245027067
JT3-D-12H-5.5/6.3x195 E16	195	133 – 168	100		3559511312	4061245026763
JT3-D-12H-5.5/6.3x215 E16	215	153 – 188	100		3559611312	4061245041025
JT3-D-12H-5.5/6.3x245 E16	245	183 – 218	100		3559811312	4061245026701
JT3-D-12H-5.5/6.3x275 E16	275	213 – 248	100		3557311312	4061245027029
JT3-D-12H-5.5/6.3x300 E16	300	243 – 278	100		3557411312	4061245027005
Sealing washer E 19, Ø 19 mm						
JT3-D-12H-5.5/6.3x75 E19	75	41 – 48	100		3557566312	4061245015873
JT3-D-12H-5.5/6.3x95 E19	95	51 – 68	100		3554966311	4061245016030
JT3-D-12H-5.5/6.3x115 E19	115	61 – 88	100		3555266311	4061245016023
JT3-D-12H-5.5/6.3x135 E19	135	73 – 108	100		3555466311	4061245016016

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT3-D-12H-5.5/6.3x155 E19	155	93 – 128	100		3555766311	4061245009155
JT3-D-12H-5.5/6.3x175 E19	175	113 – 148	100		3556566312	4061245009162
JT3-D-12H-5.5/6.3x195 E19	195	133 – 168	100		3559566312	4061245009179
JT3-D-12H-5.5/6.3x215 E19	215	153 – 188	100		3559666312	4061245015774
JT3-D-12H-5.5/6.3x245 E19	245	183 – 218	100		3559866312	4061245015729
JT3-D-12H-5.5/6.3x275 E19	275	213 – 248	100		3557366312	4061245015897
JT3-D-12H-5.5/6.3x300 E19	300	243 – 278	100		3557466312	4061245015880
Sealing washer E 22, Ø 22 mm						
JT3-D-12H-5.5/6.3x75 E22	75	41 – 48	100		3557513312	4061245026978
JT3-D-12H-5.5/6.3x95 E22	95	51 – 68	100		3554913311	4061245027210
JT3-D-12H-5.5/6.3x115 E22	115	61 – 88	100		3555213311	4061245027197
JT3-D-12H-5.5/6.3x135 E22	135	73 – 108	100		3555413311	4061245027173
JT3-D-12H-5.5/6.3x155 E22	155	93 – 128	100		3555713311	4061245027159
JT3-D-12H-5.5/6.3x175 E22	175	113 – 148	100		3556513312	4061245027050
JT3-D-12H-5.5/6.3x195 E22	195	133 – 168	100		3559513312	4061245026756
JT3-D-12H-5.5/6.3x215 E22	215	153 – 188	100		3559613312	4061245044484
JT3-D-12H-5.5/6.3x245 E22	245	183 – 218	100		3559813312	4061245026695
JT3-D-12H-5.5/6.3x275 E22	275	213 – 248	100		3557313312	4061245027012
JT3-D-12H-5.5/6.3x300 E22	300	243 – 278	100		3557413312	4061245026992

Further lengths upon request



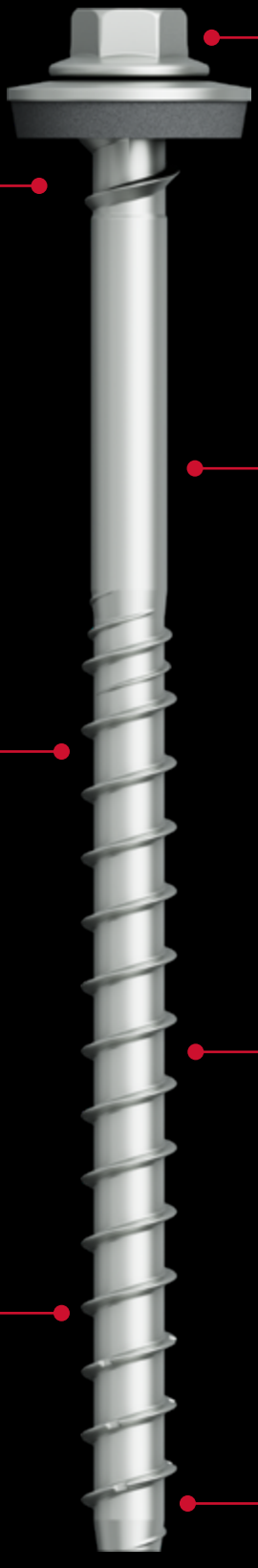
A4 stainless steel available upon request



Self-drilling screw JT6-D-12H-5.5/6.3

Concrete screw JC6-D-7.5

Sandwich fasteners with new high thread geometry for direct fastening of sandwich panels to concrete substructures



Hexagon head with a big flange diameter

Unique high thread geometry with an additional support element for a secured fit of the sealing washer on the component surface

A4 stainless steel for applications with high corrosion requirements

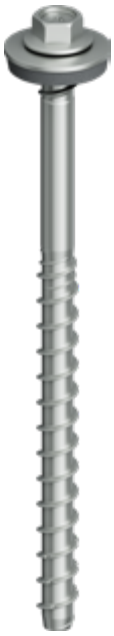
Immediately loadable

Asymmetrical screw thread for the direct fastening in concrete

Hardened forming zone for a fast and reliable installation

Completely removable

Concrete screw JC6-D-7.5



Application range

> Direct fastening of sandwich panels to concrete substructures

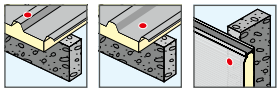
Properties

> A4 stainless steel with hardened forming zone
> Stainless steel sealing washer
> Pre-assembled sealing washer
> Unique high thread geometry

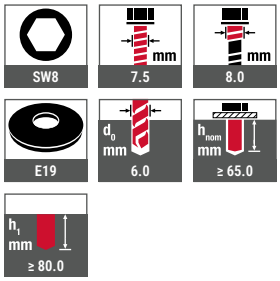
Advantages

> Immediately loadable
> Completely removable
> No insertion rail necessary

Applications



Technical specifications



Certifications



Base materials

Suitable for

> Cracked concrete
> Non-cracked concrete

Assembly instruction

Product in the online shop

Cross references	page
ORKAN storm washers	150
Cordless impact screwdrivers	424
Cordless hammer drill ABH	427
Precision drill bit HSS	432
Hammer drill SDS plus	434
Socket wrench insert SW8	442

Order description	L [mm]	Height component I [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 19, Ø 19 mm						
JC6-D-7.5x115 E19	115	37 – 47	100		3551082991	4061245123431
JC6-D-7.5x135 E19	135	57 – 67	100		3551182991	4061245123448
JC6-D-7.5x155 E19	155	77 – 87	50		3551282991	4061245117614
JC6-D-7.5x175 E19	175	97 – 107	50		3551382991	4061245117621
JC6-D-7.5x195 E19	195	117 – 127	50		3551482991	4061245117638
JC6-D-7.5x215 E19	215	137 – 147	50		3551582991	4061245117539
JC6-D-7.5x235 E19	235	157 – 167	50		3551682991	4061245117546
JC6-D-7.5x255 E19	255	177 – 187	50		3551782991	4061245117553
JC6-D-7.5x275 E19	275	197 – 207	50		3551882991	4061245117577
JC6-D-7.5x295 E19	295	217 – 227	50		3551982991	4061245117584

Self-drilling screw JT3-ST-2-6.0



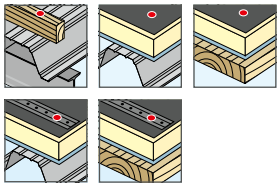
Application range

> Fastening rail systems with intermediate insulation to thin-walled steel, aluminium or timber substructure
> Fastening timber components to thin-walled steel or aluminium substructure
> To fix roofing membranes and insulating material to substructures made of sheet steel ≥ 0.70 in mm ≤ 1.5 mm, timber or wood-based material in combination with EJOT stress plates

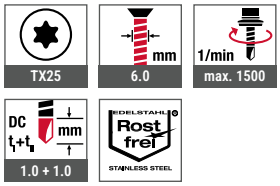
Properties

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

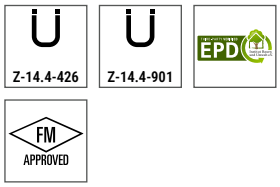
Applications



Technical specifications



Certifications



Cross references	page
Flat roof profile FP	232
Stress plate EcoTek 50	235
Cordless screwdriver ASCM QSW	422
Bit hexalobular TX25	439
Bit holder	446

Assembly instruction

Product in the online shop

Order description	Length [mm]	Thread length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT3-ST-2-6.0x35	35	35	0 – 20	500		7382160301	4061245014104
JT3-ST-2-6.0x60	60	45	15 – 45	250		7382125301	4061245014111
JT3-ST-2-6.0x80	80	65	15 – 65	250		7382107301	4061245014128
JT3-ST-2-6.0x100	100	65	35 – 85	250		7382101301	4061245014180
JT3-ST-2-6.0x120	120	65	55 – 105	250		7382102301	4061245014173
JT3-ST-2-6.0x140	140	65	75 – 125	250		7382103301	4061245014166
JT3-ST-2-6.0x160	160	65	95 – 145	100		7382104301	4061245014159
JT3-ST-2-6.0x180	180	65	115 – 165	100		7382105301	4061245014142
JT3-ST-2-6.0x200	200	65	135 – 185	100		7382106301	4061245014135

Further lengths upon request

Self-drilling screw JT3-X-2-6.0



Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

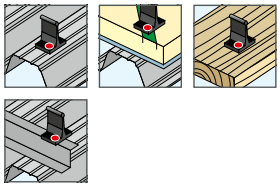
Application range

> Fixing standing seam systems (clips) to 0.55–1.5 mm steel substructure
> Fixing standing seam systems on milled system rails ≤ 1.5 mm
> Fixing standing seam systems (clips) to 0.8–1.5 mm aluminium substructure or timber substructure

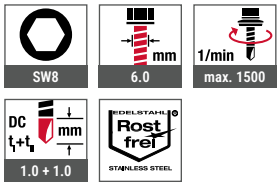
Properties

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

Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT3-X-2-6.0x25	25	0 – 10	500		7380539301	4061245014296
JT3-X-2-6.0x36	36	0 – 20	500		7380516301	4061245014319
JT3-X-2-6.0x46	46	0 – 30	500		7380517301	4061245014302

Self-drilling screw JT3-WD-6-5.5



Application range

> Special screw for fastening wood to steel substructures

Properties

> A2 stainless steel with hardened steel drill point
> With full thread
> The wings widen the drill hole in the wood component to be fastened in order to prevent forced feed. They break off as soon as they touch the steel substructure. This prevents the wood to be fastened from being pushed away from the substructure.

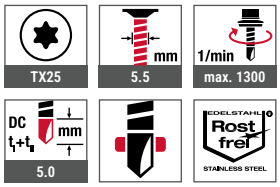
Notice

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

Applications



Technical specifications



Certifications

Z-14.4-901

Cross references	page
Cordless screwdriver ASCM QSW	422
Bit hexalobular TX25	439
Bit holder	446







Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT3-WD-6-5.5x45-R	45	0 – 26	500		7382195301	4061245014081
JT3-WD-6-5.5x65-R	65	0 – 46	500		7382194301	4061245014098

Self-drilling screw JT3-2H-(40/80)-6.0/6.0



Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

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 and 80 mm insulations

Properties

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

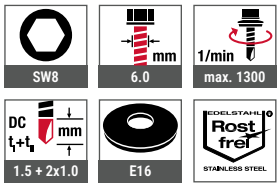


Application example
Fastening of profiled ceiling elements and lesenes to insulated cassette wall systems.

Applications



Technical specifications



Certifications



Product video

Assembly instruction

Product in the online shop

Order description	Length [mm]	For insulation [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 16, Ø 16 mm						
JT3-2H-40-6.0/6.0x64 E16	64	40	100		3594011351	4061245041001
JT3-2H-80-6.0/6.0x104 E16	104	80	100		3594211351	4061245040998

Self-drilling screw JT4-4-4.8



Application range

> Fastening aluminium profiles to aluminium substructures ≤ 3 mm

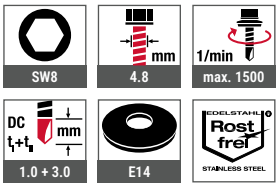
Characteristics

> A2 stainless steel

Applications



Technical specifications



Certifications



Cross references	page
Cordless screwdriver	
ASCM QSW	422
Socket wrench insert SW8	442

Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT4-4-4.8x19	19	0 – 9	1000		7380387300	4061245014357
JT4-4-4.8x19 VE100	19	0 – 9	100		6380387300	4061245014883
Sealing washer E 14, Ø 14 mm						
JT4-4-4.8x19-E14	19	0 – 6	500		3501909440	4061245027302

Self-drilling screw JT4-6-5.5



Application range

> Fastening aluminium profiles to aluminium substructures ≤ 4 mm

Properties

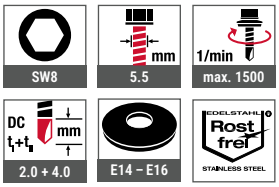
> A2 stainless steel

Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT4-6-5.5x22	22	0 – 10	500		7380508301	4061245014340
JT4-6-5.5x22 VE100	22	0 – 10	100		6380508301	4061245025452
JT4-6-5.5x30	30	0 – 18	500		7380509301	4061245014326
Sealing washer E 14, Ø 14 mm						
JT4-6-5.5x22-E14	22	0 – 7	500		3502109460	4061245027272
JT4-6-5.5x30-E14	30	0 – 15	500		3502309461	4061245027258
Sealing washer E 16, Ø 16 mm						
JT4-6-5.5x22-E16	22	0 – 7	500		3502111460	4061245027265
JT4-6-5.5x30-E16	30	0 – 15	500		3502311461	4061245050720

Self-drilling screw JT4-FR-2-4.9



Application range

- Fastening corrugated profile aluminium sheets to timber substructure
- Fastening of sandwich panels to timber substructure

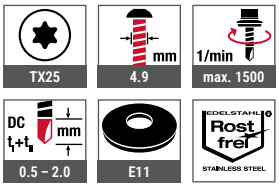
Properties

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

Applications



Technical specifications



Certifications



Cross references	page
Cordless screwdriver	
ASCM QSW	422
Bit hexalobular TX25	439
FR-tool	446
FR-tool plastic	447

Assembly instruction

Product in the online shop

Order description	Length [mm]	Thickness component I [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 11, Ø 11 mm						
JT4-FR-2-4.9x35 E11	35	0 – 7	500		3503568420	4061245016108

Self-drilling screw JT4-FR-4-4.8



Cross references	page
Sealing washers	182
Cordless screwdriver ASCM QSW	422
Bit hexalobular TX25	439
FR-tool	446
FR-tool plastic	447

Application range

> Fastening aluminium corrugated profile sheet to aluminium substructure ≤ 3 mm
> Fastening facade cladding to aluminium substructure

Properties

> A2 stainless steel
> With truss head

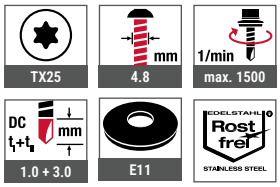
Notice

Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT4-FR-4-4.8x19	19	0 – 9	1000		7381095300	4061245014241
Sealing washer E 11, Ø 11 mm						
JT4-FR-4-4.8x19 E11	19	0 – 6	500		3501968448	4061245027289

Self-drilling screw JT4-FR-4-5.5



Cross references	page
Sealing washers	182
Cordless screwdriver ASCM QSW	422
FR-tool plastic TX25	447

Application range

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

Properties

- A2 stainless steel
- With truss head

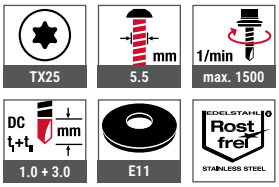
Notice

Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT4-FR-4-5.5x19	19	0 – 11	1000		7381138300	4061245014234
Sealing washer E 11, Ø 11 mm						
JT4-FR-4-5.5x19 E11	19	0 – 11	500		3501869448	4061245027319

Self-drilling screw JT4-FZ-6.5



Application range

> Fastening corrugated fibre cement sheets to timber substructures

Properties

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

Notice

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

Applications



Technical specifications



Certifications



Cross references	page
JT2-FZ-F-6.5x130-FZD	94
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Assembly instruction

Product in the online shop

Order description	Length [mm]	Thread length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT4-FZ-6.5x130 FZD	130	66	100		3515675400	4061245016061

Self-drilling screw JT6-2H-Plus-5.5



Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Application range

- Side lap stitching of profiled steel and aluminium sheets
- Fastening profiled steel and aluminium sheets to cassette system walls
- For high-strength steel substructures

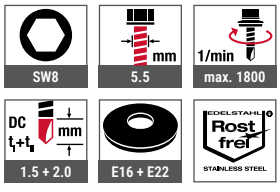
Characteristics

- A4 stainless steel with hardened drill point
- Stainless steel sealing washer
- Pre-assembled sealing washer
- With free spin zone under screw head for effective side lap stitching

Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 16, Ø 16 mm						
JT6-2H-Plus-5.5x25 E16	25	0 – 7	500		3592281991	4061245015521
Sealing washer E 22, Ø 22 mm						
JT6-2H-Plus-5.5x25 E22	25	0 – 7	500		3592283991	4061245050140

Also available in A2 stainless steel



Self-drilling screw JT3-2H-plus-5.5
| Page 106

Self-drilling screw JT6-6-5.5



Cross references	page
ORKAN storm washers	150
Cordless screwdriver ASCS QSW	422
Socket wrench insert SW8	442

Application range

> Fastening profiled steel and aluminium sheets to 1.5-4 mm steel substructures
> For high-strength steel substructures

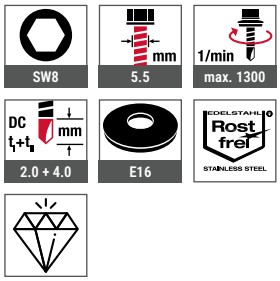
Characteristics

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

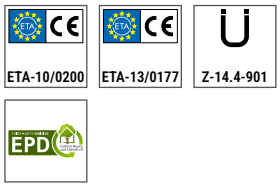
Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 16, Ø 16 mm						
JT6-6-5.5x25-E16	25	0 – 7	500		3572281991	4061245015682

Further lengths upon request

Also available in A2 stainless steel



Self-drilling screw JT3-6-5.5
| Page 110

Self-drilling screw JT6-12-5.5



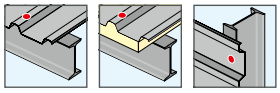
Application range

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

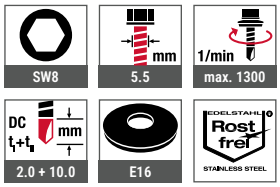
Characteristics

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

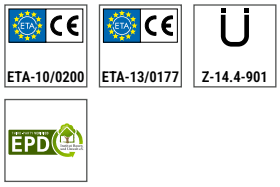
Applications



Technical specifications



Certifications



Cross references	page
ORKAN storm washers	150
Cordless screwdriver ASCS QSW	422
Socket wrench insert SW8	442

Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 16, Ø 16 mm						
JT6-12-5.5x40-E16	40	0 – 11	500		3595681991	4061245015163

Further lengths upon request

Also available in A2 stainless steel

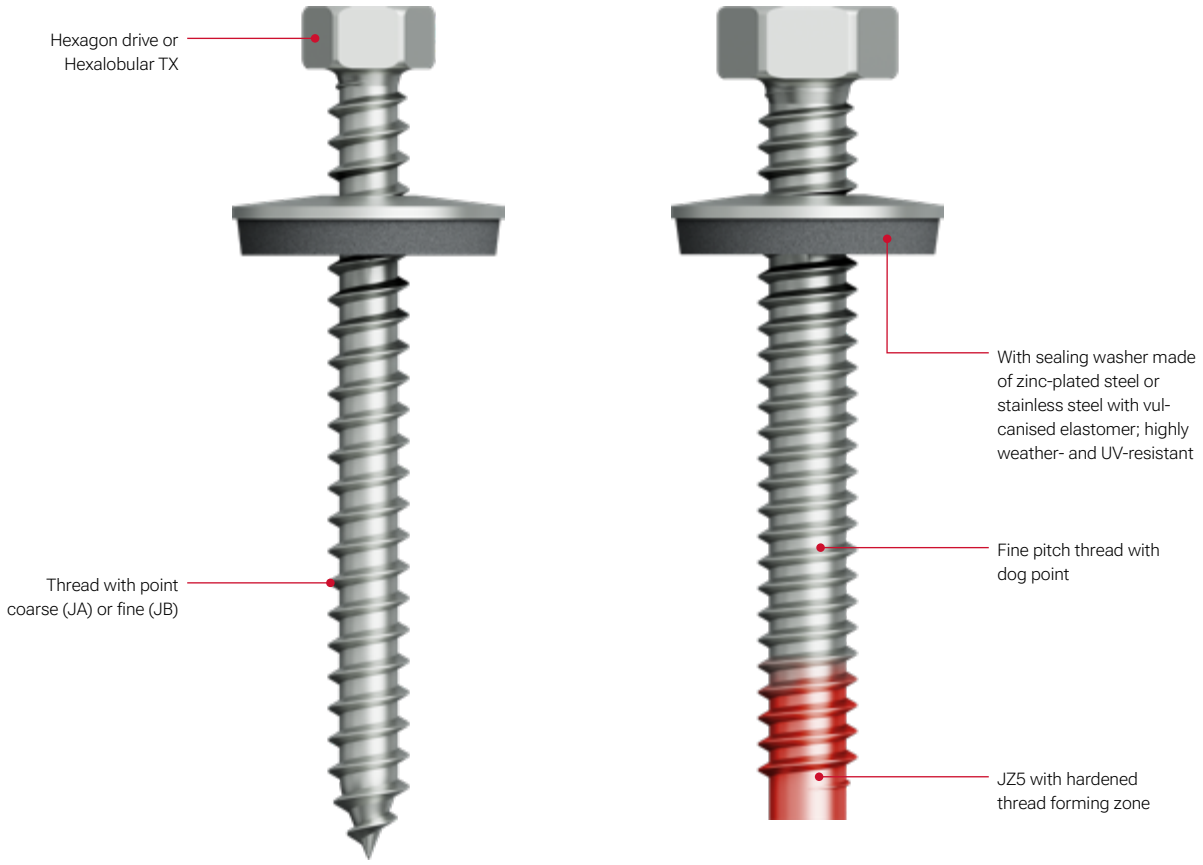


Self-drilling screw JT3-12-5.5
| Page 114

Self-tapping screws

Self-tapping screws with dog point or point

The EJOT self-tapping screws form the female thread in a pre-drilled hole without swarfs. They feature a coarse or fine pitch thread with dog point or point. The self-tapping screws are completed by a pre-assembled sealing washer. The EJOT self-tapping screws are all-purpose screws.



Product overview self-tapping screws

	JA2/JB2/JZ2	JA3/JB3/JZ3	JA1/JZ1 CORREMAKS®	JZ5
Self-tapping screws with dog point or point				
Material	Case-hardened steel, protected against corrosion	A2 stainless steel	A8 stainless steel	A2 stainless steel with hardened thread forming zone
For components made of	Steel/aluminium/wood	Steel/aluminium/wood	Steel/aluminium/wood	Steel / Aluminium

Selecting the self-tapping screw

Correct determination of screw length and drill hole diameter

Determination of the screw length of self-tapping screws

The clamp thickness t_{fix} is the area of a self-tapping screw which can be used to connect two components. The components are clamped in this area (absorption and transfer of forces and loads in accordance with the respective technical approvals and assessments).

Important: The clamp thickness does not equal the threaded part of a screw!

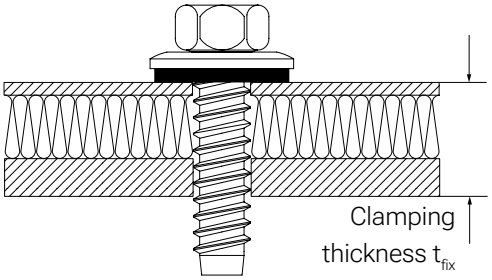
Therefore:

- The first thread turns of a self-tapping screw are **not** suitable for clamping.
- For bi-met screws (JZ5), the screw point consists of a hardened steel part. This part is used exclusively for the assembly process of the screw and must not be used for clamping.
- The clamping thicknesses of the self-tapping screws can be found in the tables on the product-specific pages.
- The cutting off of screw points is not permitted!

The required clamping thickness of a self-tapping screw is calculated from the material thickness of the components to be clamped. For this, the thicknesses of components I and II, any intermediate layer and additional elements (including sealing washers, storm washers and load distributors) must be added together. It should be noted that the sealing washer thickness for screws with a pre-assembled sealing washer is already taken into account when specifying the clamping thickness.

The component thicknesses from the respective technical approvals and assessments must be observed!

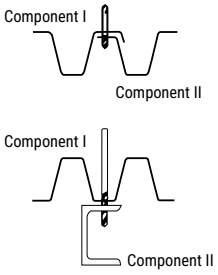
If you have any questions about the selection of the suitable screw length for your application, please contact our application technology department.



Determining the drill hole diameter

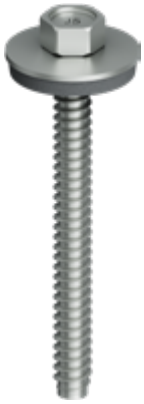
Aluminium sheet, aluminium extrusion profile F22 to F 25 (Rm ≥ 220 N/mm² ≤ 290 N/mm²)*					
Component thickness t_{II} [mm]	up to 0.9	1.0 – 1.4	1.5 – 2.9	3.0 – 4.9	≥ 5.0
Drill hole diameter [mm]	4.0	4.0	4.5	5.0	5.3
EJOT screw type	JA Ø 6.5 / JB Ø 6.3			JZ Ø 6.3	

* When fastening profiled aluminium sheet (component I) to steel substructures (component II) the drill hole diameters from the chart for steel substructures apply



Steel substructures according to ETA																			
Component thickness t_{II} [mm]	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 – 1.9	2.0 – 5.9	6.0 – 6.9	7.0 – 9.9	≥10.0	1.5 – 5.9	6.0 – 7.9	8.0 – 9.9	≥10.0
drill hole diameter [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	5.8	6.8	7.0	7.2	7.4
EJOT screw type	JA Ø 6.5 / JB Ø 6.3										JZ Ø 6.3					JZ Ø 8.0			

Self-tapping screw JZ5-6.3



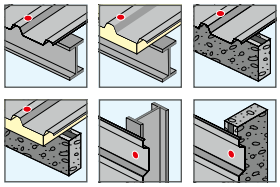
Application range

- Fastening profiled steel sheets and sandwich panels to steel substructures
- For high-strength steel substructures

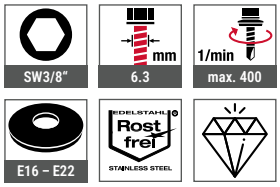
Characteristics

- A2 stainless steel with hardened thread forming zone
- Stainless steel sealing washer
- Pre-assembled sealing washer

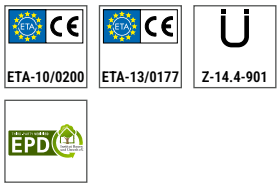
Applications



Technical specifications



Certifications



Cross references	page
Drill hole chart	139
ORKAN storm washers	150
Cordless screwdriver ASCM QSW	422
Drill HSS	432
Socket wrench insert SW3/8"	442

Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 16, Ø 16 mm						
JZ5-6.3x20 E16	20	0 – 9	500		3191011311	4061245073194
JZ5-6.3x25 E16	25	0 – 14	500		3191111311	4061245073224
JZ5-6.3x30 E16	30	0 – 19	500		3191211311	4061245073255
JZ5-6.3x40 E16	40	0 – 29	250		3191311311	4061245073286
JZ5-6.3x53 E16	53	0 – 41	250		3191411311	4061245073316
JZ5-6.3x63 E16	63	0 – 52	250		3191511311	4061245073347
JZ5-6.3x83 E16	83	21 – 72	250		3191611311	4061245073378
JZ5-6.3x93 E16	93	31 – 82	100		3191711311	4061245073408
JZ5-6.3x103 E16	103	41 – 92	100		3191811311	4061245074207
JZ5-6.3x113 E16	113	51 – 102	100		3191911311	4061245073460
JZ5-6.3x123 E16	123	61 – 112	100		3192011311	4061245099804
JZ5-6.3x133 E16	133	71 – 122	100		3192111311	4061245073521
JZ5-6.3x143 E16	143	81 – 132	100		3192211311	4061245076201
JZ5-6.3x153 E16	153	91 – 142	100		3192311311	4061245073552
JZ5-6.3x163 E16	163	101 – 152	100		3192411311	4061245073583
NEW JZ5-6.3x173 E16	173	101 – 162	100		3093011311	4061245126562
JZ5-6.3x183 E16	183	121 – 172	100		3192511311	4061245073613
NEW JZ5-6.3x193 E16	193	131 – 182	100		3093111311	4061245126593
JZ5-6.3x203 E16	203	141 – 192	100		3192611311	4061245073644
JZ5-6.3x223 E16	223	161 – 212	100		3192711311	4061245073675

	Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
	JZ5-6.3x243 E16	243	181 – 232	100		3192811311	4061245073705
	JZ5-6.3x263 E16	263	201 – 252	100		3192911311	4061245073736
	Sealing washer E 19, Ø 19 mm						
	JZ5-6.3x20 E19	20	0 – 9	500		3191066311	4061245073200
	JZ5-6.3x25 E19	25	0 – 14	500		3191166311	4061245073231
	JZ5-6.3x30 E19	30	0 – 19	500		3191266311	4061245073262
	JZ5-6.3x40 E19	40	0 – 29	250		3191366311	4061245073293
	JZ5-6.3x53 E19	53	0 – 41	250		3191466311	4061245073323
	JZ5-6.3x63 E19	63	0 – 52	100		3191566311	4061245073354
	JZ5-6.3x83 E19	83	21 – 72	100		3191666311	4061245073385
	JZ5-6.3x93 E19	93	31 – 82	100		3191766311	4061245073415
	JZ5-6.3x103 E19	103	41 – 92	100		3191866311	4061245074221
	JZ5-6.3x113 E19	113	51 – 102	100		3191966311	4061245073477
	JZ5-6.3x123 E19	123	61 – 112	100		3192066311	4061245073507
	JZ5-6.3x133 E19	133	71 – 122	100		3192166311	4061245073538
	JZ5-6.3x143 E19	143	81 – 132	100		3192266311	4061245076218
	JZ5-6.3x153 E19	153	91 – 142	100		3192366311	4061245073569
	JZ5-6.3x163 E19	163	101 – 152	100		3192466311	4061245073590
NEW	JZ5-6.3x173 E19	173	101 – 162	100		3093066311	4061245126579
	JZ5-6.3x183 E19	183	121 – 172	100		3192566311	4061245073620
NEW	JZ5-6.3x193 E19	193	131 – 182	100		3093166311	4061245126609
	JZ5-6.3x203 E19	203	141 – 192	100		3192666311	4061245073651
	JZ5-6.3x223 E19	223	161 – 212	100		3192766311	4061245073682
	JZ5-6.3x243 E19	243	181 – 232	100		3192866311	4061245073712
	JZ5-6.3x263 E19	263	201 – 252	100		3192966311	4061245073743
	Sealing washer E 22, Ø 22 mm						
	JZ5-6.3x20 E22	20	0 – 9	500		3191013311	4061245073217
	JZ5-6.3x25 E22	25	0 – 14	500		3191113311	4061245073248
	JZ5-6.3x30 E22	30	0 – 19	500		3191213311	4061245073279
	JZ5-6.3x40 E22	40	0 – 29	250		3191313311	4061245073309
	JZ5-6.3x53 E22	53	0 – 41	250		3191413311	4061245073330
	JZ5-6.3x63 E22	63	0 – 52	100		3191513311	4061245073361
	JZ5-6.3x83 E22	83	21 – 72	100		3191613311	4061245073392
	JZ5-6.3x93 E22	93	31 – 82	100		3191713311	4061245073422
	JZ5-6.3x103 E22	103	41 – 92	100		3191813311	4061245074238
	JZ5-6.3x113 E22	113	51 – 102	100		3191913311	4061245073484
	JZ5-6.3x123 E22	123	61 – 112	100		3192013311	4061245073514
	JZ5-6.3x133 E22	133	71 – 122	100		3192113311	4061245073545
	JZ5-6.3x143 E22	143	81 – 132	100		3192213311	4061245076225
	JZ5-6.3x153 E22	153	91 – 142	100		3192313311	4061245073576
	JZ5-6.3x163 E22	163	101 – 152	100		3192413311	4061245073606
NEW	JZ5-6.3x173 E22	173	101 – 162	100		3093013311	4061245126586
	JZ5-6.3x183 E22	183	121 – 172	100		3192513311	4061245073637
NEW	JZ5-6.3x193 E22	193	131 – 182	100		3093113311	4061245126616
	JZ5-6.3x203 E22	203	141 – 192	100		3192613311	4061245073668
	JZ5-6.3x223 E22	223	161 – 212	100		3192713311	4061245073699
	JZ5-6.3x243 E22	243	181 – 232	100		3192813311	4061245073729
	JZ5-6.3x263 E22	263	201 – 252	100		3192913311	4061245073750

Self-tapping screw JZ5-8.0



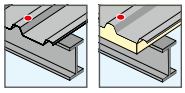
Application range

> Fastening profiled steel sheets and sandwich panels to steel substructures
> Suitable for replacing screws with diameter 5.5 mm and 6.3 mm

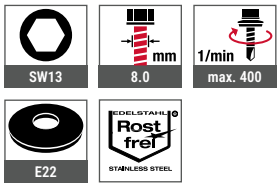
Characteristics

> A2 stainless steel with hardened thread forming zone
> Stainless steel sealing washer
> Pre-assembled sealing washer

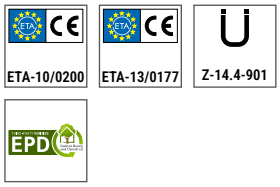
Applications



Technical specifications



Certifications



Cross references	page
Drill hole chart	139
ORKAN storm washers	150
Cordless screwdriver ASCM QSW	422
Drill HSS	432
Socket wrench insert SW3/8"	442

Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 22, Ø 22 mm						
JZ5-8.0x60 E22	60	0 – 43	250		3190653311	4061245062600
JZ5-8.0x80 E22	80	16 – 63	100		3190853311	4061245062617
JZ5-8.0x100 E22	100	36 – 83	100		3191053311	4061245062624
JZ5-8.0x150 E22	150	86 – 133	100		3191553311	4061245062631

NEW CORREMAKS® self-tapping screw JZ1-6.3



Cross references	page
Drill hole chart	139
ORKAN storm washers	150
Cordless screwdriver ASCM QSW	422
Drill HSS	432
Socket wrench insert SW3/8"	442

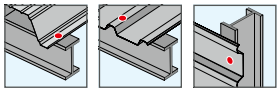
Application range

> Fastening profiled steel sheets and sandwich panels to steel substructures in highly corrosive environments
> Suitable for replacing screws with diameter 5.5 mm

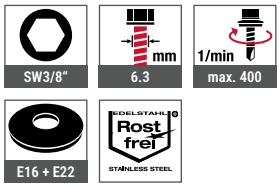
Characteristics

> A8 stainless steel – 1,4529
> Stainless steel sealing washer
> Pre-assembled sealing washer
> Highest corrosion protection class

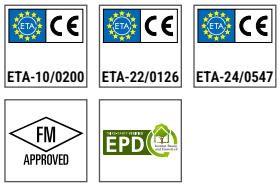
Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JZ1-6.3x22	22	0 – 10	500		3111200319	4061245028088
JZ1-6.3x54	54	0 – 42	250		3111500319	4061245050874
JZ1-6.3x70	70	6 – 58	250		3111700319	4061245050850
Sealing washer E 16, Ø 16 mm						
JZ1-6.3x22 E16	22	0 – 7	500		3111211319	4061245017549
JZ1-6.3x54 E16	54	0 – 39	250		3111511319	4061245017518
JZ1-6.3x70 E16	70	3 – 55	250		3111711319	4061245017495
JZ1-6.3x125 E16	125	60 – 110	100		3112411319	4061245017426
Sealing washer E 22, Ø 22 mm						
JZ1-6.3x22 E22	22	0 – 7	500		3111213319	4061245050904

NEW CORREMAKS® self-tapping screw JA1-6.5



Cross references	page
Drill hole chart	139
ORKAN storm washers	150
Cordless screwdriver ASCM QSW	422
Drill HSS	432
Socket wrench insert SW3/8"	442

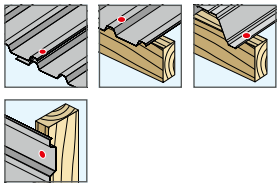
Application range

> Side lap stitching of profiled steel sheets in highly corrosive environments
> Fastening profiled steel sheets and sandwich pamels to timber substructures in highly corrosive environments

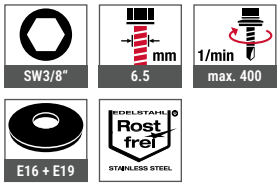
Characteristics

> A8 stainless steel – 1,4529
> Stainless steel sealing washer
> Pre-assembled sealing washer
> Highest corrosion protection class

Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Order description	Length [mm]	Height component I [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JA1-6.5x22	22	–	500		3113200319	4061245050775
JA1-6.5x38	38	–	500		3113400319	4061245050768
JA1-6.5x64	64	0 – 14	250		3113800319	4061245050751
JA1-6.5x115	115	40 – 65	200		3114300319	4061245050744
JA1-6.5x145	145	70 – 95	200		3114600319	4061245077918
Sealing washer E 16, Ø 16 mm						
JA1-6.5x22 E16	22	–	500		3113211319	4061245017372
JA1-6.5x38 E16	38	–	500		3113411319	4061245017365
JA1-6.5x64 E16	64	0 – 11	250		3113811319	4061245017358
JA1-6.5x115 E16	115	37 – 62	100		3114311319	4061245017341
JA1-6.5x145 E16	145	67 – 92	100		3114611319	4061245017334
Sealing washer E 19, Ø 19 mm						
JA1-6.5x22 E19	22	–	500		3113212319	4061245077901

Self-tapping screw JZ3-S-6.3



Application range

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

Characteristics

> A2 stainless steel
> Countersunk head

Cross references	page
Drill hole chart	139
Cordless screwdriver ASCM QSW	422
Drill HSS	432
Bit hexalobular TX 30	439

Applications



Technical specifications





Certifications





Assembly instruction



Product in the online shop



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JZ3-S-6.3x19	19	500		3029400311	4061245018430
JZ3-S-6.3x25	25	500		3029500311	4061245018423
JZ3-S-6.3x35	35	500		3121700301	4061245017327
JZ3-S-6.3x64	64	250		3029600311	4061245018416

Self-tapping screw JA3-LT-4.9



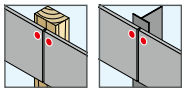
Application range

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

Characteristics

> A2 stainless steel
> Pan head

Applications



Technical specifications





Certifications



Cross references	page
Cordless screwdriver	
ASCM QSW	422
Drill HSS	432
Bit hexalobular TX25	439

Assembly instruction

Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JA3-LT-4.9x25 TX25	25	500		3243250312	4061245105710
JA3-LT-4.9x38 TX25	38	500		3243380312	4061245105727

Self-tapping screw JA3-S-6.5



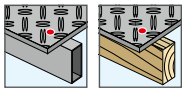
Application range

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

Characteristics

> A2 stainless steel
> Countersunk head
> With full thread

Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Cross references	page
Drill hole chart	139
Cordless screwdriver ASCM QSW	422
Drill HSS	432
Bit hexalobular TX 30	439

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JA3-S-6.5x35	35	500		3029800311	4061245018409

Self-tapping screw JB3-7.2



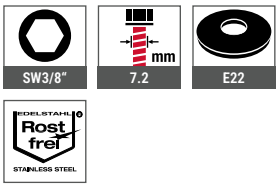
Application range

> Repair screw for covering faulty drill holes

Characteristics

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

Technical specifications



Certifications



Cross references	page
Cordless screwdriver	
ASCM QSW	422
Drill HSS	432
Socket wrench insert SW3/8"	442

Assembly instruction



Product in the online shop



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 22, Ø 22 mm					
JB3-7.2x19 E22	19	100		3189113311	4061245016689

Clamping screw RLS 25



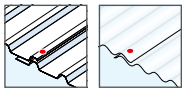
Application range

> For side lap stitching of profiled plastic sheets
> Fastening of chamfered parts to profiled plastic sheets

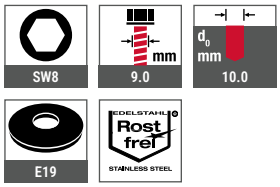
Characteristics

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

Applications



Technical specifications



Certifications



Product in the online shop



Cross references	page
Cordless screwdriver	
ASCM QSW	422
Socket wrench insert SW8	442

Order description	Length [mm]	Thread type Screw	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 19, Ø 19 mm						
RLS-25-8.0x25 E19	25.0	M5	250		3110000139	4061245017617

ORKAN Storm Washers

Increased installation reliability, high form stability and optimum load transmission for crown fixings

Requirements

ORKAN storm washers are used for a consistent load distribution and load transmission of the crown fixing of trapezoidal profiled sheet or sandwich panel constructions. This is guaranteed by the pronounced reinforcement beads of the ORKAN storm washers.

As a so-called second insulation level, the 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 promote 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 ORKAN storm washer provides an increased clamping force on the component, without plastic deformation. The increased load due to the use of EJOT ORKAN storm washers is documented in various building authorities test certificates (type statistics) for trapezoidal aluminium profiles.

Notice

Please note that we can only accept warranty and liability claims regarding EJOT ORKAN storm washers when used in combination with EJOT screws. If you have any questions in this regard, please do not hesitate to contact us. Thank you for your understanding.

In addition to the storm washers listed in the order tables, we also offer combinations of standard shapes and colours. These are available at the MSRP of the comparable storm washers in the catalogue, but only in packaging units of 500 pieces. Please note that this might result in longer delivery times.

Standard colours (similar RAL colours)

1015	2001	3000	3003	3009	3011
3016	5010	5015	6003	6005	6009
6011	6020	7016	7022	7032	7035
7037	7042	8004	8011	8012	8014
8016	8017	8019	8024	9002	9005
9006	9007	9010			

Standard shapes

Storm washer profiles	Storm washer profiles	Storm washer profiles
20-34	31-37	41-32
21-16	32-25	41-39
21-25	34-50	41-50
23-33	35-23	53-36
26-15	35-47	55-32
26-27	36-32	W24
26-34	36-40	W30
26-50	41-16	W43
31-31	41-24	W48

Special storm washers

Version	Additional cost /	MSRP [EUR]
All storm washer shapes not mentioned in the catalogue are special storm washers	100 pcs.	

ORKAN storm washer trapezoidal



Cross references	page
Self-drilling screw JF3-Plus-6.8	102
Self-drilling screw JT3-2-6.5	108
Self-drilling screw JT3-6-5.5	110
Self-drilling screw JT3-12-5.5	114
Self-drilling screw JT3-18-5.5	117
Concrete screw JC6-D-7.5	123
Self-tapping screw JZ5-6.3	140

Application range

> Crown fixing of trapezoidal sheets and sandwich panels
> Crown fixing of light diffusing panels

Properties

> Optimised reinforcement beads
> Secure waterproofing
> Aluminium alloy mill finish, coloured (RAL)

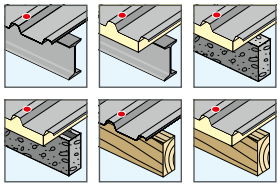
Advantages

> Increased installation reliability
> High dimensional stability
> Optimum load transmission
> Sophisticated fastening system in combination with self-drilling and self-tapping screws

Notice

Only use screws with 16 mm and 19 mm washer diameter. For determination of the clamp thickness please take the storm washer into account with 3 mm. The guidelines and installation instructions given by the profile and panel manufacturer are to be observed. Storm washers which are not mentioned are special storm washers. Please note surcharges. Storm washers are to be stored in a dry place until installation.

Applications



Technical specifications



Certifications

Z-14.4-814

Product in the online shop

Order description	Width of storm washer [mm]	Inclination angle [°]	Crown width [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
ORKAN storm washer 21-16 mill finish	21	16	20	500		3046600110	4061245018362
ORKAN storm washer 21-16 mill finish VE100	21	16	20	100		3076600110	4061245082264
ORKAN storm washer 21-16 alu-RAL 3009	21	16	20	500		3046657119	4061245030340
ORKAN storm washer 21-16 Alu-RAL 3009 VE100	21	16	20	100		3076657119	4061245082271
ORKAN storm washer 21-16 alu-RAL 7016	21	16	20	500		3052116025	4061245029702
ORKAN storm washer 21-16 Alu-RAL 7016 VE100	21	16	20	100		3072116025	4061245082288
ORKAN storm washer 21-16 alu-RAL 8004	21	16	20	500		3052116043	4061245029696
ORKAN storm washer 21-16 Alu-RAL 8004 VE100	21	16	20	100		3072116043	4061245082318
ORKAN storm washer 21-16 alu-RAL 8012	21	16	20	500		3046640119	4061245030357
ORKAN storm washer 21-16 Alu-RAL 8012 VE100	21	16	20	100		3076640119	4061245082325
ORKAN storm washer 21-16 alu-RAL 9002	21	16	20	500		3046682119	4061245030326
ORKAN storm washer 21-16 Alu-RAL 9002 VE100	21	16	20	100		3076682119	4061245082332
ORKAN storm washer 21-16 alu-RAL 9006	21	16	20	500		3046684119	4061245030319
ORKAN storm washer 21-16 Alu-RAL 9006 VE100	21	16	20	100		3076684119	4061245082349
ORKAN storm washer 21-16 alu-RAL 9007	21	16	20	500		3052116220	4061245029672
ORKAN storm washer 21-16 Alu-RAL 9007 VE100	21	16	20	100		3072116220	4061245082356
ORKAN storm washer 21-25 mill finish	21	25	20	500		3052125000	4061245018270
ORKAN storm washer 21-25 mill finish VE100	21	25	20	100		3072125000	4061245086194
ORKAN storm washer 21-25 alu-RAL 3009	21	25	20	500		3052125057	4061245029627
ORKAN storm washer 21-25 Alu-RAL 3009 VE100	21	25	20	100		3072125057	4061245086477
ORKAN storm washer 21-25 alu-RAL 7016	21	25	20	500		3052125025	4061245029658
ORKAN storm washer 21-25 Alu-RAL 7016 VE100	21	25	20	100		3072125025	4061245086200
ORKAN storm washer 21-25 alu-RAL 8004	21	25	20	500		3052125043	4061245029634
ORKAN storm washer 21-25 Alu-RAL 8004 VE100	21	25	20	100		3072125043	4061245086224
ORKAN storm washer 21-25 alu-RAL 8012	21	25	20	500		3052125040	4061245029641

Order description	Width of storm washer [mm]	Inclination angle [°]	Crown width [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
ORKAN storm washer 21-25 Alu-RAL 8012 VE100	21	25	20	100		3072125040	4061245086187
ORKAN storm washer 21-25 alu-RAL 9002	21	25	20	500		3052125082	4061245029597
ORKAN storm washer 21-25 Alu-RAL 9002 VE100	21	25	20	100		3072125082	4061245086231
ORKAN storm washer 21-25 alu-RAL 9006	21	25	20	500		3052125084	4061245029580
ORKAN storm washer 21-25 Alu-RAL 9006 VE100	21	25	20	100		3072125084	4061245086217
ORKAN storm washer 21-25 alu-RAL 9007	21	25	20	500		3052125220	4061245029573
ORKAN storm washer 21-25 Alu-RAL 9007 VE100	21	25	20	100		3072125220	4061245086248
ORKAN storm washer 23-33 mill finish	23	33	22	500		3052333000	4061245018263
ORKAN storm washer 23-33 mill finish VE100	23	33	22	100		3072333000	4061245046280
ORKAN storm washer 23-33 alu-RAL 7016	23	33	22	500		3052333025	4061245058078
ORKAN storm washer 23-33 Alu-RAL 7016 VE100	23	33	22	100		3072333025	4061245061658
ORKAN storm washer 23-33 alu-RAL 9002	23	33	22	500		3052333082	4061245058030
ORKAN storm washer 23-33 Alu-RAL 9002 VE100	23	33	22	100		3072333082	4061245061665
ORKAN storm washer 26-15 mill finish	26	15	25	500		3046900110	4061245018348
ORKAN storm washer 26-15 mill finish VE100	26	15	25	100		3076900110	4061245044996
ORKAN storm washer 26-15 alu-RAL 3009	26	15	25	500		3046957119	4061245030128
ORKAN storm washer 26-15 Alu-RAL 3009 VE100	26	15	25	100		3076957119	4061245017914
ORKAN storm washer 26-15 alu-RAL 7016	26	15	25	500		3052615025	4061245029504
ORKAN storm washer 26-15 Alu-RAL 7016 VE100	26	15	25	100		3072615025	4061245018126
ORKAN storm washer 26-15 alu-RAL 7035	26	15	25	500		3052615075	4061245029443
ORKAN storm washer 26-15 Alu-RAL 7035 VE100	26	15	25	100		3072615075	4061245046327
ORKAN storm washer 26-15 alu-RAL 8004	26	15	25	500		3052615043	4061245029474
ORKAN storm washer 26-15 Alu-RAL 8004 VE100	26	15	25	100		3072615043	4061245045009
ORKAN storm washer 26-15 alu-RAL 8012	26	15	25	500		3046940119	4061245030135
ORKAN storm washer 26-15 Alu-RAL 8012 VE100	26	15	25	100		3076940119	4061245017921
ORKAN storm washer 26-15 alu-RAL 9002	26	15	25	500		3046982119	4061245030098
ORKAN storm washer 26-15 Alu-RAL 9002 VE100	26	15	25	100		3076982119	4061245017907
ORKAN storm washer 26-15 alu-RAL 9006	26	15	25	500		3046984119	4061245030081
ORKAN storm washer 26-15 Alu-RAL 9006 VE100	26	15	25	100		3076984119	4061245017891
ORKAN storm washer 26-15 alu-RAL 9007	26	15	25	500		3052615220	4061245029399
ORKAN storm washer 26-15 Alu-RAL 9007 VE100	26	15	25	100		3072615220	4061245018119
ORKAN storm washer 26-27 mill finish	26	27	25	500		3047000110	4061245018331
ORKAN storm washer 26-27 mill finish VE100	26	27	25	100		3077000110	4061245017884
ORKAN storm washer 26-27 alu-RAL 3000	26	27	25	500		3047087119	4061245029887
ORKAN storm washer 26-27 Alu-RAL 3000 VE100	26	27	25	100		3077087119	4061245046365
ORKAN storm washer 26-27 alu-RAL 3009	26	27	25	500		3047057119	4061245029986
ORKAN storm washer 26-27 Alu-RAL 3009 VE100	26	27	25	100		3077057119	4061245017846
ORKAN storm washer 26-27 alu-RAL 6005	26	27	25	500		3052627243	4061245029306
ORKAN storm washer 26-27 Alu-RAL 6005 VE100	26	27	25	100		3072627243	4061245018096
ORKAN storm washer 26-27 alu-RAL 6011	26	27	25	500		3047066119	4061245029955
ORKAN storm washer 26-27 Alu-RAL 6011 VE100	26	27	25	100		3077066119	4061245045108
ORKAN storm washer 26-27 alu-RAL 7016	26	27	25	500		3047025119	4061245030036
ORKAN storm washer 26-27 Alu-RAL 7016 VE100	26	27	25	100		3077025119	4061245017877
ORKAN storm washer 26-27 alu-RAL 7035	26	27	25	500		3047075119	4061245029948
ORKAN storm washer 26-27 Alu-RAL 7035 VE100	26	27	25	100		3077075119	4061245045115
ORKAN storm washer 26-27 alu-RAL 8004	26	27	25	500		3047043119	4061245030005
ORKAN storm washer 26-27 Alu-RAL 8004 VE100	26	27	25	100		3077043119	4061245017853
ORKAN storm washer 26-27 alu-RAL 8011	26	27	25	500		3047078119	4061245029931

Order description	Width of storm washer [mm]	Inclination angle [°]	Crown width [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
ORKAN storm washer 26-27 Alu-RAL 8011 VE100	26	27	25	100		3077078119	4061245017839
ORKAN storm washer 26-27 alu-RAL 8012	26	27	25	500		3047040119	4061245030012
ORKAN storm washer 26-27 Alu-RAL 8012 VE100	26	27	25	100		3077040119	4061245017860
ORKAN storm washer 26-27 alu-RAL 8014	26	27	25	500		3047079119	4061245029924
ORKAN storm washer 26-27 Alu-RAL 8014 VE100	26	27	25	100		3077079119	4061245045122
ORKAN storm washer 26-27 alu-RAL 9002	26	27	25	500		3047082119	4061245029917
ORKAN storm washer 26-27 Alu-RAL 9002 VE100	26	27	25	100		3077082119	4061245017822
ORKAN storm washer 26-27 alu-RAL 9006	26	27	25	500		3047084119	4061245029900
ORKAN storm washer 26-27 Alu-RAL 9006 VE100	26	27	25	100		3077084119	4061245017815
ORKAN storm washer 26-27 alu-RAL 9007	26	27	25	500		3052627220	4061245029313
ORKAN storm washer 26-27 Alu-RAL 9007 VE100	26	27	25	100		3072627220	4061245018102
ORKAN storm washer 26-34 mill finish	26	34	25	500		3052634000	4061245018256
ORKAN storm washer 26-34 mill finish VE100	26	34	25	100		3072634000	4061245046372
ORKAN storm washer 26-34 alu-RAL 7016	26	34	25	500		3052634025	4061245029290
ORKAN storm washer 26-34 Alu-RAL 7016 VE100	26	34	25	100		3072634025	4061245045139
ORKAN storm washer 26-34 alu-RAL 8004	26	34	25	500		3052634043	4061245029276
ORKAN storm washer 26-34 Alu-RAL 8004 VE100	26	34	25	100		3072634043	4061245046389
ORKAN storm washer 26-34 alu-RAL 8012	26	34	25	500		3052634040	4061245029283
ORKAN storm washer 26-34 Alu-RAL 8012 VE100	26	34	25	100		3072634040	4061245046396
ORKAN storm washer 26-34 alu-RAL 9002	26	34	25	500		3052634082	4061245029238
ORKAN storm washer 26-34 Alu-RAL 9002 VE100	26	34	25	100		3072634082	4061245046402
ORKAN storm washer 26-34 alu-RAL 9006	26	34	25	500		3052634084	4061245029221
ORKAN storm washer 26-34 Alu-RAL 9006 VE100	26	34	25	100		3072634084	4061245061689
ORKAN storm washer 26-34 alu-RAL 9007	26	34	25	500		3052634220	4061245029177
ORKAN storm washer 26-34 Alu-RAL 9007 VE100	26	34	25	100		3072634220	4061245061696
ORKAN storm washer 26-50 mill finish	26	50	25	500		3052650000	4061245018249
ORKAN storm washer 26-50 mill finish VE100	26	50	25	100		3072650000	4061245046419
ORKAN storm washer 26-50 alu-RAL 7016	26	50	25	500		3052650025	4061245029153
ORKAN storm washer 26-50 Alu-RAL 7016 VE100	26	50	25	100		3072650025	4061245045153
ORKAN storm washer 26-50 alu-RAL 8012	26	50	25	500		3052650040	4061245029139
ORKAN storm washer 26-50 Alu-RAL 8012 VE100	26	50	25	100		3072650040	4061245061702
ORKAN storm washer 31-31 mill finish	31	31	30	500		3053132000	4061245084756
ORKAN storm washer 31-31 mill finish VE100	31	31	30	100		3073132000	4061245084817
ORKAN storm washer 31-31 alu-RAL 7016	31	31	30	500		3053131025	4061245084732
ORKAN storm washer 31-31 Alu-RAL 7016 VE100	31	31	30	100		3073131025	4061245084794
ORKAN storm washer 32-25 mill finish	32	25	31	500		3053124000	4061245082479
ORKAN storm washer 32-25 mill finish VE100	32	25	31	100		3073124000	4061245082486
ORKAN storm washer 32-25 RAL 3000	32	25	31	500		3053124087	4061245084510
ORKAN storm washer 32-25 RAL 3000 VE 100	32	25	31	100		3073124087	4061245093086
ORKAN storm washer 32-25 alu-RAL 3009	32	25	31	500		3053124057	4061245082493
ORKAN storm washer 32-25 Alu-RAL 3009 VE100	32	25	31	100		3073124057	4061245082509
ORKAN storm washer 32-25 alu-RAL 7016	32	25	31	500		3053124025	4061245082516
ORKAN storm washer 32-25 Alu-RAL 7016 VE100	32	25	31	100		3073124025	4061245082523
ORKAN storm washer 32-25 alu-RAL 7035	32	25	31	500		3053124075	4061245082530
ORKAN storm washer 32-25 Alu-RAL 7035 VE100	32	25	31	100		3073124075	4061245082547
ORKAN storm washer 32-25 alu-RAL 8004	32	25	31	500		3053225043	4061245028705
ORKAN storm washer 32-25 Alu-RAL 8004 VE100	32	25	31	100		3073225043	4061245082554
ORKAN storm washer 32-25 alu-RAL 8012	32	25	31	500		3053124040	4061245082561

Order description	Width of storm washer [mm]	Inclination angle [°]	Crown width [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
ORKAN storm washer 32-25 Alu-RAL 8012 VE100	32	25	31	100		3073124040	4061245082578
ORKAN storm washer 32-25 alu-RAL 9002	32	25	31	500		3053124082	4061245082608
ORKAN storm washer 32-25 Alu-RAL 9002 VE100	32	25	31	100		3073124082	4061245082615
ORKAN storm washer 32-25 alu-RAL 9006	32	25	31	500		3053124084	4061245082622
ORKAN storm washer 32-25 Alu-RAL 9006 VE100	32	25	31	100		3073124084	4061245082639
ORKAN storm washer 32-25 alu-RAL 9007	32	25	31	500		3053124220	4061245082646
ORKAN storm washer 32-25 Alu-RAL 9007 VE100	32	25	31	100		3073124220	4061245082653
ORKAN storm washer 35-47 mill finish	35	47	34	500		3053547000	4061245018195
ORKAN storm washer 35-47 mill finish VE100	35	47	34	100		3073547000	4061245046501
ORKAN storm washer 35-47 alu-RAL 7016	35	47	34	500		3053547025	4061245028477
ORKAN storm washer 35-47 Alu-RAL 7016 VE100	35	47	34	100		3073547025	4061245018027
ORKAN storm washer 35-47 alu-RAL 8012	35	47	34	500		3053547040	4061245028460
ORKAN storm washer 35-47 Alu-RAL 8012 VE100	35	47	34	100		3073547040	4061245018010
ORKAN storm washer 35-47 alu-RAL 9002	35	47	34	500		3053547082	4061245028385
ORKAN storm washer 35-47 Alu-RAL 9002 VE100	35	47	34	100		3073547082	4061245018003
ORKAN storm washer 35-47 alu-RAL 9006	35	47	34	500		3053547084	4061245028378
ORKAN storm washer 35-47 Alu-RAL 9006 VE100	35	47	34	100		3073547084	4061245046839
ORKAN storm washer 35-47 alu-RAL 9007	35	47	34	500		3053547220	4061245028347
ORKAN storm washer 35-47 Alu-RAL 9007 VE100	35	47	34	100		3073547220	4061245093307
ORKAN storm washer 36-32 mill finish	36	32	35	500		3053632000	4061245074436
ORKAN storm washer 36-32 mill finish VE100	36	32	35	100		3073632000	4061245073828
ORKAN storm washer 36-32 alu-RAL 3009	36	32	35	500		3053632057	4061245075174
ORKAN storm washer 36-32 Alu-RAL 3009 VE100	36	32	35	100		3073632057	4061245093314
ORKAN storm washer 36-32 alu-RAL 7016	36	32	35	500		3053632220	4061245105703
ORKAN storm washer 36-32 Alu-RAL 7016 VE100	36	32	35	100		3073632220	4061245105802
ORKAN storm washer 36-32 alu-RAL 8012	36	32	35	500		3053632025	4061245075181
ORKAN storm washer 36-32 Alu-RAL 8012 VE100	36	32	35	100		3073632025	4061245093321
ORKAN storm washer 36-32 alu-RAL 9007	36	32	35	500		3053632040	4061245073118
ORKAN storm washer 36-32 Alu-RAL 9007 VE100	36	32	35	100		3073632040	4061245073842
ORKAN storm washer 36-40 mill finish	36	40	35	500		3053538000	4061245018201
ORKAN storm washer 36-40 mill finish VE100	36	40	35	100		3073538000	4061245082660
ORKAN storm washer 36-40 alu-RAL 7016	36	40	35	500		3053541025	4061245028552
ORKAN storm washer 36-40 Alu-RAL 7016 VE100	36	40	35	100		3073541025	4061245082677
ORKAN storm washer 36-40 alu-RAL 8004	36	40	35	500		3053541043	4061245041162
ORKAN storm washer 36-40 Alu-RAL 8004 VE100	36	40	35	100		3073541043	4061245082684
ORKAN storm washer 36-40 alu-RAL 8012	36	40	35	500		3053541040	4061245041179
ORKAN storm washer 36-40 Alu-RAL 8012 VE100	36	40	35	100		3073541040	4061245082691
ORKAN storm washer 36-40 alu-RAL 9002	36	40	35	500		3053541082	4061245041155
ORKAN storm washer 36-40 Alu-RAL 9002 VE100	36	40	35	100		3073541082	4061245082707
ORKAN storm washer 36-40 alu-RAL 9006	36	40	35	500		3053541084	4061245057835
ORKAN storm washer 36-40 Alu-RAL 9006 VE100	36	40	35	100		3073541084	4061245082714
ORKAN storm washer 41-16 mill finish	41	16	40	500		3046200110	4061245018379
ORKAN storm washer 41-16 mill finish VE100	41	16	40	100		3076200110	4061245045221
ORKAN storm washer 41-16 alu-RAL 7016	41	16	40	500		3046225119	4061245030524
ORKAN storm washer 41-16 Alu-RAL 7016 VE100	41	16	40	100		3076225119	4061245045238
ORKAN storm washer 41-16 alu-RAL 8012	41	16	40	500		3046240119	4061245030494
ORKAN storm washer 41-16 Alu-RAL 8012 VE100	41	16	40	100		3076240119	4061245045245
ORKAN storm washer 41-16 alu-RAL 9002	41	16	40	500		3046282119	4061245030425

Order description	Width of storm washer [mm]	Inclination angle [°]	Crown width [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
ORKAN storm washer 41-16 Alu-RAL 9002 VE100	41	16	40	100		3076282119	4061245017945
ORKAN storm washer 41-16 alu-RAL 9006	41	16	40	500		3046284119	4061245030418
ORKAN storm washer 41-16 Alu-RAL 9006 VE100	41	16	40	100		3076284119	4061245045252
ORKAN storm washer 41-32 mill finish	41	32	40	500		3049200110	4061245018300
ORKAN storm washer 41-32 mill finish VE100	41	32	40	100		3079200110	4061245017761
ORKAN storm washer 41-32 alu-RAL 1015	41	32	40	500		3049291119	4061245029801
ORKAN storm washer 41-32 Alu-RAL 1015 VE100	41	32	40	100		3079291119	4061245061726
ORKAN storm washer 41-32 alu-RAL 3000	41	32	40	500		3049287119	4061245029818
ORKAN storm washer 41-32 Alu-RAL 3000 VE100	41	32	40	100		3079287119	4061245061733
ORKAN storm washer 41-32 alu-RAL 3009	41	32	40	500		3049257119	4061245029849
ORKAN storm washer 41-32 Alu-RAL 3009 VE100	41	32	40	100		3079257119	4061245017723
ORKAN storm washer 41-32 alu-RAL 3011	41	32	40	500		3054132237	4061245041148
ORKAN storm washer 41-32 Alu-RAL 3011 VE100	41	32	40	100		3074132237	4061245045269
ORKAN storm washer 41-32 alu-RAL 6005	41	32	40	500		3054132243	4061245028132
ORKAN storm washer 41-32 Alu-RAL 6005 VE100	41	32	40	100		3074132243	4061245017983
ORKAN storm washer 41-32 alu-RAL 6011	41	32	40	500		3049266119	4061245025124
ORKAN storm washer 41-32 Alu-RAL 6011 VE100	41	32	40	100		3079266119	4061245045276
ORKAN storm washer 41-32 alu-RAL 6020	41	32	40	500		3049234119	4061245025179
ORKAN storm washer 41-32 Alu-RAL 6020 VE100	41	32	40	100		3079234119	4061245045283
ORKAN storm washer 41-32 alu-RAL 7016	41	32	40	500		3049225119	4061245025186
ORKAN storm washer 41-32 Alu-RAL 7016 VE100	41	32	40	100		3079225119	4061245017754
ORKAN storm washer 41-32 alu-RAL 7035	41	32	40	500		3049275119	4061245025117
ORKAN storm washer 41-32 Alu-RAL 7035 VE100	41	32	40	100		3079275119	4061245017716
ORKAN storm washer 41-32 alu-RAL 8004	41	32	40	500		3049243119	4061245025148
ORKAN storm washer 41-32 Alu-RAL 8004 VE100	41	32	40	100		3079243119	4061245017730
ORKAN storm washer 41-32 alu-RAL 8011	41	32	40	500		3049278119	4061245025100
ORKAN storm washer 41-32 Alu-RAL 8011 VE100	41	32	40	100		3079278119	4061245017709
ORKAN storm washer 41-32 alu-RAL 8012	41	32	40	500		3049240119	4061245025155
ORKAN storm washer 41-32 Alu-RAL 8012 VE100	41	32	40	100		3079240119	4061245017747
ORKAN storm washer 41-32 alu-RAL 9002	41	32	40	500		3049282119	4061245025087
ORKAN storm washer 41-32 Alu-RAL 9002 VE100	41	32	40	100		3079282119	4061245017693
ORKAN storm washer 41-32 alu-RAL 9006	41	32	40	500		3049284119	4061245025070
ORKAN storm washer 41-32 Alu-RAL 9006 VE100	41	32	40	100		3079284119	4061245017686
ORKAN storm washer 41-32 alu-RAL 9007	41	32	40	500		3054132220	4061245024509
ORKAN storm washer 41-32 Alu-RAL 9007 VE100	41	32	40	100		3074132220	4061245017990
ORKAN storm washer 41-32 alu-RAL 9010	41	32	40	500		3049285119	4061245025063
ORKAN storm washer 41-32 Alu-RAL 9010 VE100	41	32	40	100		3079285119	4061245045290
ORKAN storm washer 41-39 mill finish	41	39	40	500		3054139000	4061245018188
ORKAN storm washer 41-39 mill finish VE100	41	39	40	100		3074139000	4061245041124
ORKAN storm washer 41-39 alu-RAL 7016	41	39	40	500		3054139025	4061245024493
ORKAN storm washer 41-39 Alu-RAL 7016 VE100	41	39	40	100		3074139025	4061245017976
ORKAN storm washer 41-39 alu-RAL 7035	41	39	40	500		3054139075	4061245024400
ORKAN storm washer 41-39 Alu-RAL 7035 VE100	41	39	40	100		3074139075	4061245093352
ORKAN storm washer 41-39 alu-RAL 8004	41	39	40	500		3054139043	4061245024462
ORKAN storm washer 41-39 Alu-RAL 8004 VE100	41	39	40	100		3074139043	4061245045306
ORKAN storm washer 41-39 alu-RAL 8012	41	39	40	500		3054139040	4061245024479
ORKAN storm washer 41-39 Alu-RAL 8012 VE100	41	39	40	100		3074139040	4061245017969
ORKAN storm washer 41-39 alu-RAL 9002	41	39	40	500		3054139082	4061245024370

Order description	Width of storm washer [mm]	Inclination angle [°]	Crown width [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
ORKAN storm washer 41-39 Alu-RAL 9002 VE100	41	39	40	100		3074139082	4061245017952
ORKAN storm washer 41-39 alu-RAL 9006	41	39	40	500		3054139084	4061245024363
ORKAN storm washer 41-39 Alu-RAL 9006 VE100	41	39	40	100		3074139084	4061245045320
ORKAN storm washer 41-39 alu-RAL 9007	41	39	40	500		3054139220	4061245024318
ORKAN storm washer 41-39 Alu-RAL 9007 VE100	41	39	40	100		3074139220	4061245045337
ORKAN storm washer 55-32 mill finish	55	32	54	400		3049500110	4061245018294
ORKAN storm washer 55-32 mill finish VE100	55	32	54	100		3079500110	4061245045344
ORKAN storm washer 55-32 alu-RAL 7016	55	32	54	400		3049525119	4061245025049
ORKAN storm washer 55-32 Alu-RAL 7016 VE100	55	32	54	100		3079525119	4061245017679
ORKAN storm washer 55-32 alu-RAL 8012	55	32	54	400		3049540119	4061245025001
ORKAN storm washer 55-32 Alu-RAL 8012 VE100	55	32	54	100		3079540119	4061245017662
ORKAN storm washer 55-32 alu-RAL 9002	55	32	54	400		3049582119	4061245024912
ORKAN storm washer 55-32 Alu-RAL 9002 VE100	55	32	54	100		3079582119	4061245017655
ORKAN storm washer 55-32 alu-RAL 9006	55	32	54	400		3049584119	4061245024905
ORKAN storm washer 55-32 Alu-RAL 9006 VE100	55	32	54	100		3079584119	4061245017648
ORKAN storm washer 55-32 alu-RAL 9007	55	32	54	400		3055532220	4061245024035
ORKAN storm washer 55-32 Alu-RAL 9007 VE100	55	32	54	100		3075532220	4061245046600

The RAL colours are similar to RAL

ORKAN storm washer corrugated



Cross references	page
Self-drilling screw JF3-Plus-6.8	102
Self-drilling screw JT3-2-6.5	108
Self-drilling screw JT3-6-5.5	110
Self-drilling screw JT3-12-5.5	114
Self-drilling screw JT3-18-5.5	117
Self-tapping screw JZ5-6.3	140

Application range

> Crown fixing of corrugated profile sheets
> Crown fixing of light diffusing panels

Properties

> Optimised reinforcement beads
> Secure waterproofing
> Aluminium alloy mill finish, coloured (RAL)

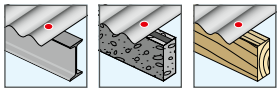
Advantages

> Increased installation reliability
> High dimensional stability
> Optimum load transmission
> Sophisticated fastening system in combination with self-drilling and self-tapping screws

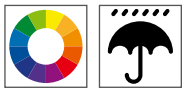
Notice

Only use screws with 16mm and 19 mm washer diameter. For determination of the clamp thickness please take the storm washer into account with 3 mm. The guidelines and installation instructions given by the profile and panel manufacturer are to be observed. Storm washers which are not mentioned are special storm washers. Please note surcharges. Storm washers are to be stored in a dry place until installation.

Applications



Technical specifications



Certifications

Z-14.4-814

Product in the online shop

Order description	Radius [mm]	for corrugated profile	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
ORKAN storm washer W24 mill finish	24	18/76	50	500		3047700110	4061245086101
ORKAN storm washer W24 mill finish VE100	24	18/76	50	100		3077700110	4061245082738
ORKAN storm washer W24 alu- RAL 7016	24	18/76	50	500		3047725119	4061245086118
ORKAN storm washer W24 Alu-RAL 7016 VE100	24	18/76	50	100		3077725119	4061245082776
ORKAN storm washer W24 alu- RAL 9006	24	18/76	50	500		3047784119	4061245086163
ORKAN storm washer W24 Alu-RAL 9006 VE100	24	18/76	50	100		3077784119	4061245082851
ORKAN storm washer W24 alu- RAL 9007	24	18/76	50	500		3050024220	4061245086170
ORKAN storm washer W24 Alu-RAL 9007 VE100	24	18/76	50	100		3070024220	4061245082875
ORKAN storm washer W30 mill finish	30	27/111	50	500		3050030000	4061245084701
ORKAN storm washer W30 mill finish VE100	30	27/111	50	100		3070030000	4061245084763
ORKAN storm washer W30 alu- RAL 7016	30	27/111	50	500		3050030025	4061245084718
ORKAN storm washer W30 Alu-RAL 7016 VE100	30	27/111	50	100		3070030025	4061245084770
ORKAN storm washer W30 alu- RAL 9006	30	27/111	50	500		3050030084	4061245084725
ORKAN storm washer W30 Alu-RAL 9006 VE100	30	27/111	50	100		3070030084	4061245084787
ORKAN storm washer W30 alu- RAL 9007	30	27/111	50	500		3050030220	4061245085739
ORKAN storm washer W30 alu-RAL 9007 VE100	30	27/111	50	100		3070030220	4061245105819
ORKAN storm washer W48 mill finish	48	42/160 + 55/177	50	500		3047400110	4061245082882
ORKAN storm washer W48 mill finish VE100	48	42/160 + 55/177	50	100		3077400110	4061245082905
ORKAN storm washer W48 alu- RAL 7016	48	42/160 + 55/177	50	500		3047425119	4061245082912
ORKAN storm washer W48 Alu-RAL 7016 VE100	48	42/160 + 55/177	50	100		3077425119	4061245082929
ORKAN storm washer W48 alu- RAL 9006	48	42/160 + 55/177	50	500		3047484119	4061245082974
ORKAN storm washer W48 Alu-RAL 9006 VE100	48	42/160 + 55/177	50	100		3077484119	4061245082981

Selection guide for ORKAN storm washers

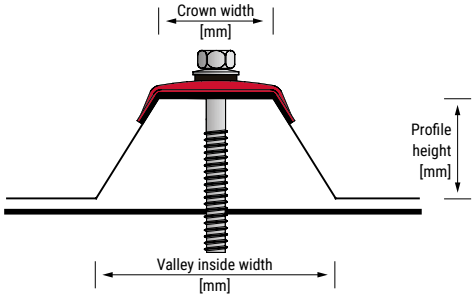
Our application engineering will gladly assist you in selecting the right choice of storm washer.

We only need the following three values:

> Top flange width [mm]
> Profile height [mm]
> Valley inside width [mm]

Please tell us the three values:

F +49 2752 908-731 | construction@ejot.com



This list is not exhaustive. Profiles which are not listed or marked with asterisk * are available upon request.

Manufacturer	Profile description	Storm washer profile
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

Manufacturer	Profile description	Storm washer profile
Bieber	20/125	41 – 32
	30/262K	41 – 50
	35/207	41 – 32
	40/183/183 S	41 – 16
	50/250	41 – 39
	50/262	46 – 43*
	58/315K	53 – 36*
	70/200	53 – 18*
	80/307	41 – 32
	89/305	41 – 32
	100/275	41 – 24*
	106/250	41 – 16
	110/333	41 – 16
	135/310	41 – 24*
	150/280	41 – 24*
	160/250	41 – 16
	170/250	41 – 16
Brucha	DP72/82/102/122/142/162/182/202	26 – 15
	DP-F	26 – 15
DS Staalprofil	DS 20/115	26 – 34
	DS 35/190	41 – 39
	DS 35/206	36 – 40
	DS Sinus 35/143	W 30
	SISCOROOF 4G	21 – 16
	SISCOTEC ROOF 4G	21 – 16
Falk	FALK 1100 TR 3+	53 – 36
	FALK 1000/35 TR	53 – 36
	FALK 1000 TR	53 – 36
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*

Selection guide for ORKAN storm washers

This list is not exhaustive. Profiles which are not listed or marked with asterisk * are available upon request.

Manufacturer	Profile description	Storm washer profile
Feilmeier	Corrugated sheet EL 18/76	W24
Finish Profiles	Dakprofiel 18 - 76	W 24
	Dakprofiel 42 - 960	W 48
	Dakprofiel 35 - 1000	41 – 24*
	Dakprofiel 40 - 915	41 – 16
	Dakprofiel 50 - 1000	55 – 32
	Dakprofiel 58 - 945 KD	53 – 36*
	Dakprofiel 70R - 800	53 – 18*
Fischer	35/207	41 – 32
	40/183	41 – 16
	50/250	55 – 32
	85/280	41 – 32
	100/275	41 – 24*
	135/310	41 – 24*
	150/280	41 – 24*
	165/250	41 – 16
	Sinus 18	W 24
	Sinus 27	W 30
	Sinus 42	W 48
	DL 70; 80; 100; 120; 140; 160	41 – 32
	20/220	41 – 50
Friedrich von Lien AG Weckmann	W-20/990	26 – 34
	W-20/1100	26 – 50
	W-35/1035	41 – 39
	W-45R/900	41 – 24*
	W-45ER/1000	26 – 34
	W-155/840	41 – 24*
	W-1/1064	W 24
Hoesch Bausysteme	Hoesch Thermorock Dach	23 – 33
	Hoesch Isodach RD	32 – 25
	T 35.1	41 – 39
	T 40.1	41 – 16
	T 50.1	55 – 32
	T 85.1	41 – 32
	T 100.1	41 – 24*
	T 106.1	41 – 16
	WP 18/76	W 24
	WP 42/160	W 48
	WP 27/111	W 30
Italpannelli	Penta	21 – 25
Joriside	JI 33.250.1000	23 – 33
	JI 45.333.1000	26 – 27
	JI Vulcasteel Roof	26 – 34
	JI 35.207.1035	41 – 39
Joriside	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
Klöckner	KAS AL-20/125 A	41 – 32
	KAS AL-30/153 A	26 – 27
	KAS-35/207	41 – 32
	KAS AL-40/167 A	35 – 23*
	KAS-40/183	41 – 16
	KAS AL-45/200 A	41 – 24*
	KAS-50/250	55 – 32
	KAS-85/280	41 – 39
	KAS-89/305	41 – 32
	KAS -18/76	W 24
	KAS -42/160	W 48
	KAS -55/177	W 48
	KAS -D 65 - 115	36 – 40
	KAS -D 68	21 – 16
	KAS -D 80	41 – 32
	KAS -D 62 - 142	26 – 15
Lattonedil	Isocopre	21 – 25
	Eurocinque	21 – 25
	Eurocopre	21 – 25
Laukien	35 – 207	41- 32
	22 – 214	41 – 39
	20 – 75	26 – 34
	45-333 S	26 – 27
	40 – 100	31 – 31
	50 – 250	41 – 39
	18 / 76	W 24
	27 / 111	W 30
	42 / 160	W 48
	55 / 177	W 48
Lindab	LP 20	26 – 34
	LP 35	41 – 32
	LP 1100	26 – 45*
	Sinus 18	W 24
Luxmetall	LM40 250 1000	26 – 27
	LM19 156 1094	26 – 45*

Selection guide for ORKAN storm washers

This list is not exhaustive. Profiles which are not listed or marked with asterisk * are available upon request.

Manufacturer	Profile description	Storm washer profile
Luxmetall	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
	50-250	41 – 39
	Corrugated sheet 18-76	W24
	Corrugated sheet 27-111	W30
	Corrugated sheet 55-177	W48
	Isopaneel	26 – 27
Metecno	G4	21 – 16
	Hipertec Dach	21 – 16
	Hipertec Dach Sound	21 – 16
	Toproof DG	20 – 34
	SISCO	21 – 16
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*
	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
M-Profile	KP	36 – 40
Münker	M 20/210; M 20KD/210	41 – 39
	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*

Manufacturer	Profile description	Storm washer profile
Münker	M 150/280	41 – 24*
	M 160/250	41 – 16
	M 18/76; M 18.1/76	W 24
	M 27/111; M 27.1/111	W 30
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
Polmetal	T18 DR	35-47
	T20 M	35-47
	T35 DR	41-32
	T35 M	41-32
	T35 E	41-32
	T40	41-39
	T45P	32-25
	T50P	46-43
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

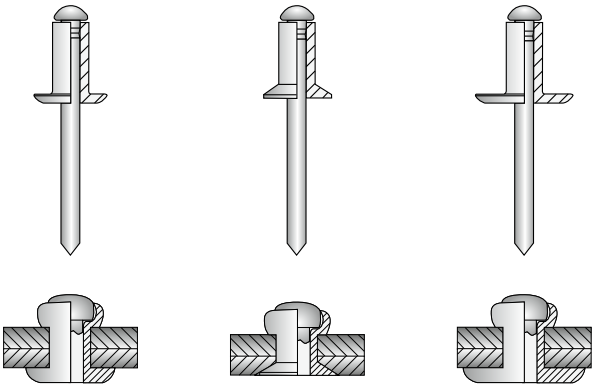
Selection guide for ORKAN storm washers

This list is not exhaustive. Profiles which are not listed or marked with asterisk * are available upon request.

Manufacturer	Profile description	Storm washer profile
Proge	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
	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; D162; D182	26 – 15
Sab	19(KD)/1050	26 – 50
	35R/1035	41 – 32
	40R/915	41 – 16
	50R/1000	55 – 32
	70R/800	53 – 18*
	85R/1120	41 – 39
	89R/915	41 – 32
	100R/825	41 – 24*
	30KD/1050	41 – 50
	45KD/1000	32 – 25
	45KD/1000S	26 – 27
	58KD/945	53 – 36*
	65-75-95-115-135	36 – 40
	D 70.1000 TL	31 – 37
	D 90.1000 TL	31 – 37
	D 110.1000 TL	31 – 37
	D 130.1000 TL	31 – 37
	D 135.1000 TL	36 – 40
	D 160.1000 TL	31 – 37
	18 / 988	W 24
	42 / 960	W 48
	27 / 1000	W 24
Salzgitter	PS 35/207	41 – 32
	PS 40/183	41 – 16
	PS 50/250	55 – 32
	PS 85/280	41 – 39
Salzgitter	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
	85/280	41 – 32
	100/275	41 – 16
Trimo	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

Open, closed or high-strength versions, multigrip or folding blind rivets, with flat, countersunk or large head and many more - there are virtually no limits to the range of available dimensions, types and versions.

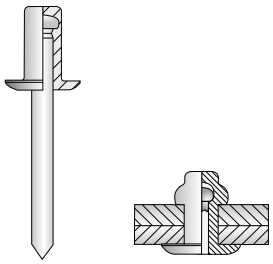


Standard blind rivet

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. Special types are rivets with a functional principle according to the above-mentioned norms, but with deviations concerning certain dimensions, functional properties or material combinations.

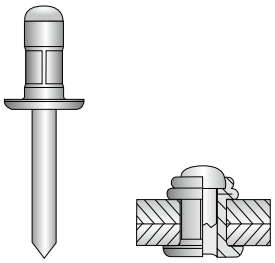
Closed-end rivets

Due to their cup-shaped rivet body, closed-end rivets are the experts for rainproof 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 building industry.



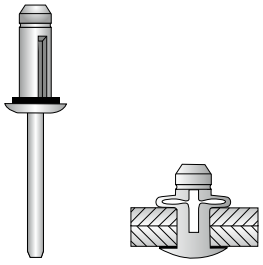
Multigrip rivets

The multigrip 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, multigrip 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 multigrip rivet is perfectly suitable as a repair rivet.



Folding blind rivets

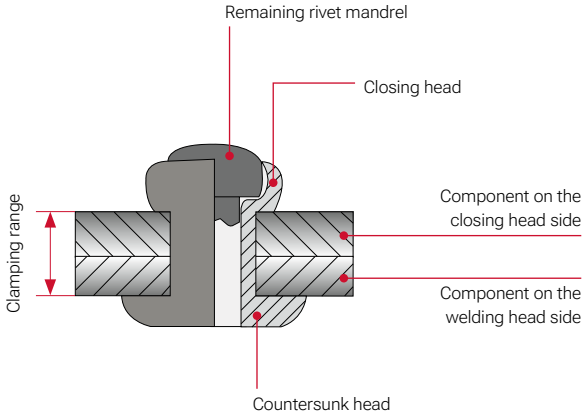
The large-scale folding of the closing head of folding blind rivets ensures a uniform distribution of the occurring forces, as a result of which especially soft or brittle components are less heavily loaded.
Folding blind rivets are used in all areas of industrial lightweight construction. Additionally, the joint is splash-water-protected thanks to the locking of the remaining rivet mandrel. The EJOT ECORIV® folding blind rivet features an assembled neoprene sealing ring.



Operating principle (example: blind rivet)

Form-fitted riveted joint of several components

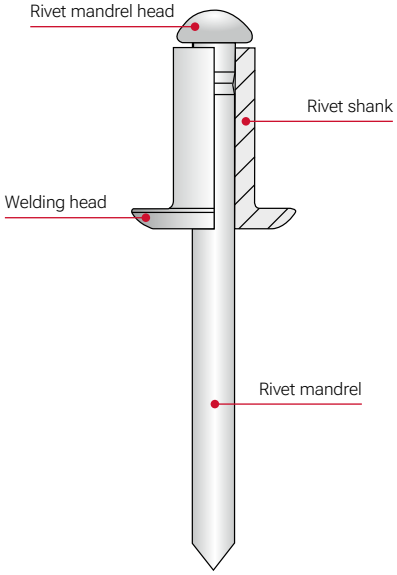
The two-part blind rivet consists of a rivet body which is mounted to a rivet mandrel. Only one side of the components which are to be connected must be accessible for processing. The blind rivet is installed by pulling back the mandrel with a special tool, whereupon the mandrel head penetrates into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

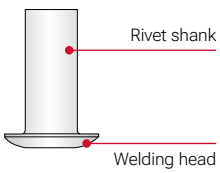
> the expected mechanical loadings,
> the corrosion requirements,
> the design of the components,
> the thermal stress and to some extent also
> the optics (flat or countersunk head).

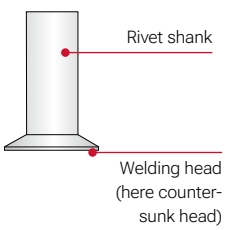


The rivet mandrel is necessary to form the rivet body.

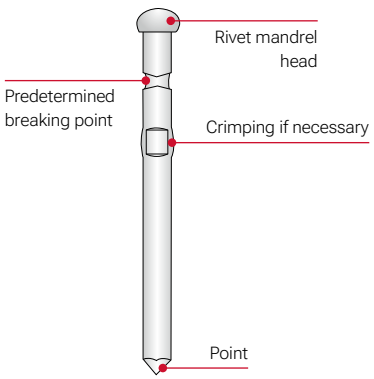
It is designed according to the body type and the requirements concerning the processing and functional properties. For some special rivet types, the rivet mandrel remaining in the joint after the installation is used to increase the shear force of the rivet.

Rivet body



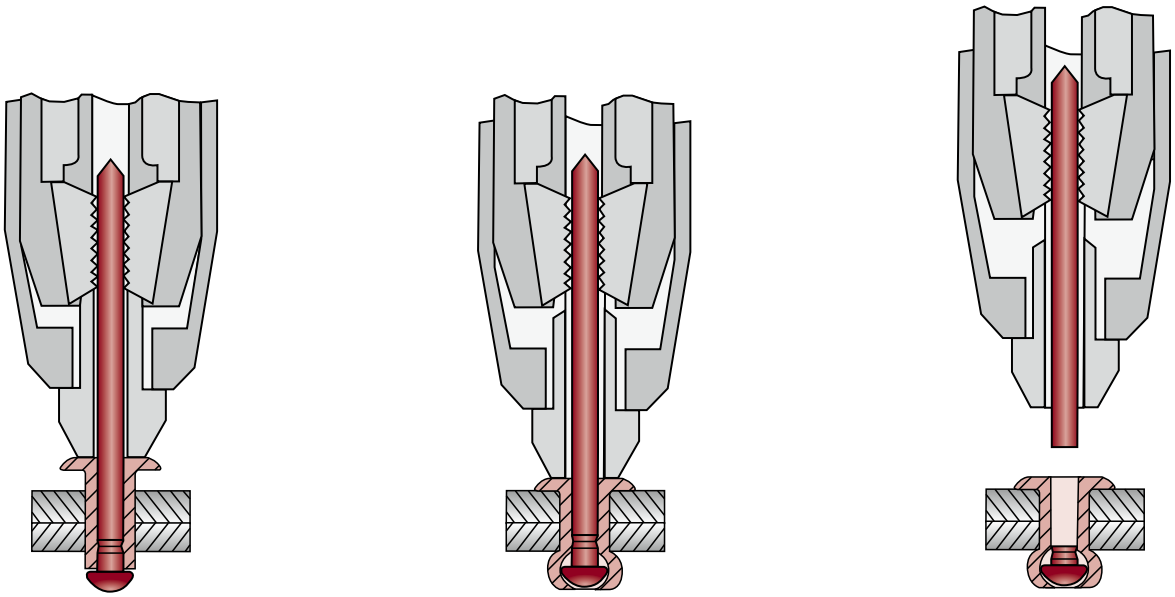


Rivet mandrel



Correct installation of rivets

Special tools are necessary to install blind rivets. The choice of tool depends on the type of rivet (Bulbtite nose piece, retaining or facade nose piece) and the amount of processing (hand riveter, lever riveter or battery riveter).



The Assembly instructions (example: battery riveter)

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.

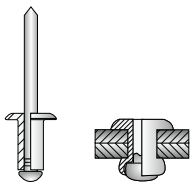
The process is completed when the mandrel head reaches the height of the component surface. This position is connected with a strong force increase, at which the rivet mandrel tears off at its predetermined breaking point. The torn mandrel is removed, the residual rivet mandrel remains in the rivet.



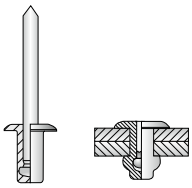
Rivet mandrel and clamping jaws

Determining the drill hole diameter

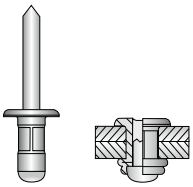
Product overview



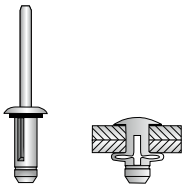
Standard blind rivet



Closed end rivet



Multigrip rivet



Folding blind rivet

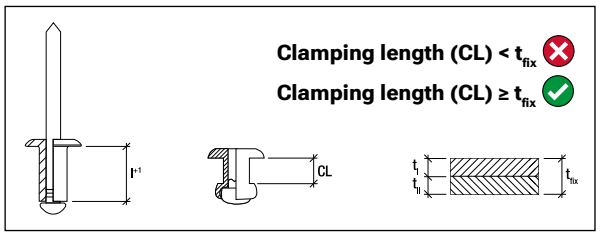
Standard blind rivet	
Type [mm]	d_0 [mm]
5.0xL*	5.1

*see chapter Rainscreen Facade

Closed end rivet	
Type [mm]	d_0 [mm]
4.8xL	4.9

Multigrip rivet	
Type [mm]	d_0 [mm]
4.0xL	4.1
4.8xL	4.9

Folding blind rivet	
Type [mm]	d_0 [mm]
5.2xL	5.3



Closed-end rivet ECORIV® aluminium/stainless steel

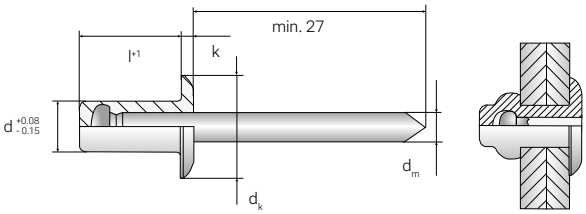


Application range

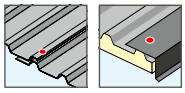
> For side lap stitching of profiled sheets

Characteristics

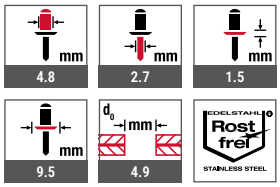
> Rivet body made of aluminium (Al)
> Mandrel made of stainless steel (E)
> Captive locked
> Flat head, closed
> ETA-22/0641



Applications



Technical specifications



Certifications

ETA-22/0641

Cross references	page
Cordless riveter ECORIV	430
Drill HSS	432

Assembly instructions

Product in the online shop

Order description	l*1 [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
BBN ECORIV AL/E 4.8x8.0	8.0	0.5 – 3.5	500		9334403000	4061245021690
BBN ECORIV AL/E 4.8x9.5	9.5	3.0 – 5.0	500		9334404000	4061245109152
BBN ECORIV AL/E 4.8x12.5	12.5	6.0 – 8.0	500		9334405000	4061245109169
BBN ECORIV AL/E 4.8x14.0	14.0	7.5 – 9.5	500		9334406000	4061245021720
BBN ECORIV AL/E 4.8x16.0	16.0	9.0 – 11.0	500		9334408000	4061245105734
BBN ECORIV AL/E 4.8x21.0	21.0	12.5 – 16.0	500		9334411000	4061245109176

Multigrip rivet ECORIV® aluminium/stainless steel



Application range

> For side lap stitching of profiled sheets

Properties

> Rivet body made of aluminium (Al)
> Mandrel made of stainless steel (E)
> Captive locked
> Flat head, open
> ETA-22/0641*

Applications



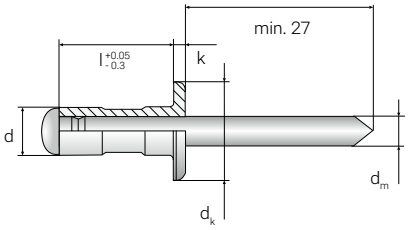
Technical specifications

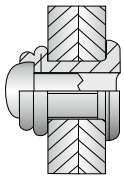
Certifications

ETA-22/0641

Assembly instructions

Cross references	page
Cordless riveter ECORIV	430
Drill HSS	432





Order description	d [mm]	l*1 [mm]	d_k [mm]	d_m [mm]	k [mm]	Drill hole diameter [mm]	Clamping thickness [mm]
MBN ECORIV AL/E 4.0x9.5*	4.0	9.5	7.9	2.3	1.2	4.1	1.2 – 6.3
MBN ECORIV AL/E 4.0x9.5 RAL 7016*	4.0	9.5	7.9	2.3	1.2	4.1	1.2 – 6.3
MBN ECORIV AL/E 4.0x9.5 RAL 9002*	4.0	9.5	7.9	2.3	1.2	4.1	1.2 – 6.3
MBN ECORIV AL/E 4.0x9.5 RAL 9006*	4.0	9.5	7.9	2.3	1.2	4.1	1.2 – 6.3
MBN ECORIV AL/E 4.0x9.5 RAL 9007*	4.0	9.5	7.9	2.3	1.2	4.1	1.2 – 6.3
MBN ECORIV AL/E 4.8x10.3	4.8	10.3	9.8	2.8	1.5	4.9	1.6 – 6.3
MBN ECORIV AL/E 4.8x10.3 RAL 7016	4.8	10.3	9.8	2.8	1.5	4.9	1.6 – 6.3
MBN ECORIV AL/E 4.8x10.3 RAL 9002	4.8	10.3	9.8	2.8	1.5	4.9	1.6 – 6.3
MBN ECORIV AL/E 4.8x10.3 RAL 9006	4.8	10.3	9.8	2.8	1.5	4.9	1.6 – 6.3
MBN ECORIV AL/E 4.8x10.3 RAL 9007	4.8	10.3	9.8	2.8	1.5	4.9	1.6 – 6.3
MBN ECORIV AL/E 4.8x15.1	4.8	15.1	9.8	2.8	1.5	4.9	4.8 – 11.1
MBN ECORIV AL/E 4.8x15.1 RAL 7016	4.8	15.1	9.8	2.8	1.5	4.9	4.8 – 11.1
MBN ECORIV AL/E 4.8x15.1 RAL 9002	4.8	15.1	9.8	2.8	1.5	4.9	4.8 – 11.1
MBN ECORIV AL/E 4.8x15.1 RAL 9006	4.8	15.1	9.8	2.8	1.5	4.9	4.8 – 11.1
MBN ECORIV AL/E 4.8x15.1 RAL 9007	4.8	15.1	9.8	2.8	1.5	4.9	4.8 – 11.1
MBN ECORIV AL/E 4.8x24.8	4.8	24.8	9.8	2.8	1.5	4.9	12.7 – 19.8

Product in the online shop

Order description	PU [pieces]	Price/100 [EUR]	Article number	EAN
MBN ECORIV AL/E 4.0x9.5*	500		9337360000	4061245021379
MBN ECORIV AL/E 4.0x9.5 RAL 7016*	100		9337360025	4061245046679
MBN ECORIV AL/E 4.0x9.5 RAL 9002*	100		9337360082	4061245046686
MBN ECORIV AL/E 4.0x9.5 RAL 9006*	100		9337360084	4061245046693
MBN ECORIV AL/E 4.0x9.5 RAL 9007*	100		9337360220	4061245046709
MBN ECORIV AL/E 4.8x10.3	500		9337361000	4061245021386
MBN ECORIV AL/E 4.8x10.3 RAL 7016	100		9337361025	4061245046716
MBN ECORIV AL/E 4.8x10.3 RAL 9002	100		9337361082	4061245046723
MBN ECORIV AL/E 4.8x10.3 RAL 9006	100		9337361084	4061245046730
MBN ECORIV AL/E 4.8x10.3 RAL 9007	100		9337361220	4061245046747
MBN ECORIV AL/E 4.8x15.1	500		9337362000	4061245021393
MBN ECORIV AL/E 4.8x15.1 RAL 7016	100		9337362025	4061245046754
MBN ECORIV AL/E 4.8x15.1 RAL 9002	100		9337362082	4061245046761
MBN ECORIV AL/E 4.8x15.1 RAL 9006	100		9337362084	4061245046778
MBN ECORIV AL/E 4.8x15.1 RAL 9007	100		9337362220	4061245046785
MBN ECORIV AL/E 4.8x24.8	500		9337363000	4061245021607

***Not part of the ETA**

Further versions available



Blind rivet ECORIV® aluminium/stainless steel
| Page 291

Folding blind rivet ECORIV® aluminium/aluminium



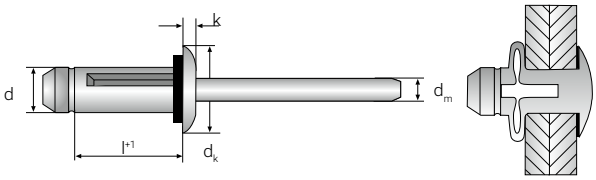
Cross references	page
Cordless riveter ECORIV	430
Drill HSS	432

Application range

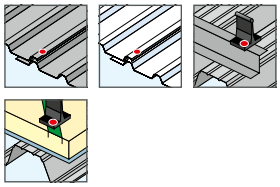
> For side lap stitching of profiled metal and plastic sheets
> For fixing standing seam systems (clips) on metal substructures
> For fixing standing seam systems (clips) on milled system rails

Properties

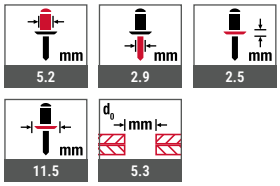
> Rivet body made of aluminium (Al)
> Mandrel made of aluminium (Al)
> Captive locked
> Flat head, open
> With neoprene sealing ring
> ETA-22/0641



Applications



Technical specifications



Certifications

ETA-22/0641

Assembly instructions

Product in the online shop

Order description	l^{+1} [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
PBN ECORIV ALU 5.2x17.5	17.5	1.3 – 4.7	500		9385641000	4061245021751
PBN ECORIV ALU 5.2x20.5	20.5	3.0 – 7.7	500		9385642000	4061245021768
PBN ECORIV ALU 5.2x22.2	22.2	4.8 – 9.5	500		9385643000	4061245021775
PBN ECORIV ALU 5.2x25.4	25.4	8.0 – 12.7	500		9385644000	4061245021782
PBN ECORIV ALU 5.2x28.6	28.6	11.1 – 16.9	500		9385645000	4061245021799
PBN ECORIV ALU 5.2x31.8	31.8	14.3 – 19.1	250		9385646000	4061245021805

Metal construction fasteners

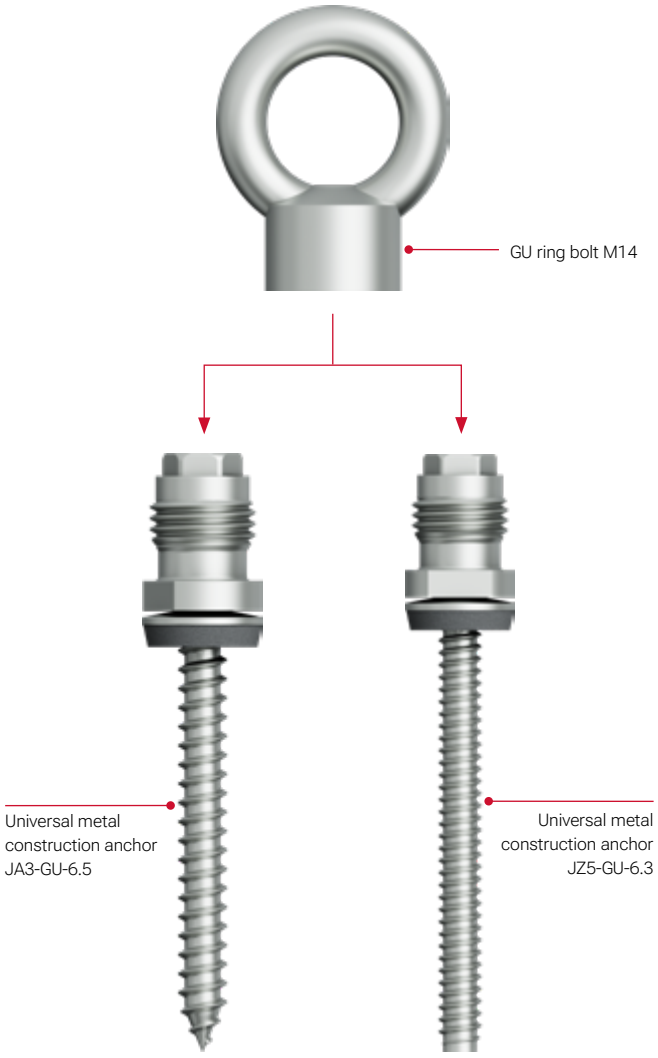
Tensile- and pressure-resistant connections for industrial lightweight construction

Characteristics

> Universal metal construction anchor and GU threaded sleeve made of stainless steel
> Ring bolt forged steel, zinc-plated and stainless steel
> For use in steel substructure (type JZ 5 ... Ø 6.3 mm)
> For use in timber substructure (type JA3 ... Ø 6.5 mm)
> Repeat use of GU-threaded sleeve possible

Notice

EJOT metal construction anchors may only be loaded in axial direction of the screw. The load-bearing capacity and dimensions of the structure and substructure must be sufficient.



Universal metal construction anchor JA3-GU-6.5



Application range

> For installation into timber

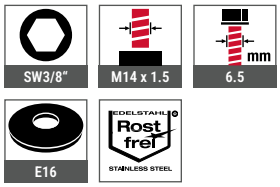
Characteristics

> A2 stainless steel
> Consisting of GU threaded sleeve and JA3 self-tapping screw

Notice

EJOT metal construction anchors may only be loaded in axial direction of the screw. The load-bearing capacity and dimensions of the structure and substructure must be sufficient.

Technical specifications



Characteristic values for the load-carrying capacity Timber substructure				
Installation depth [mm]	30	50	60	75
Drill hole diameter [mm]	4.5	4.5	4.5	4.5
$N_{R,k}$* [kN]	1.5	2.5	3.0	3.7

*Based on the approval of the screws ETA-10/0200The tensile forces that can be absorbed by the attachment part (ring bolt) must be observed.

Product in the online shop

Cross references	page
GU Ring bolt	173
GU threaded sleeve	173
Cordless screwdriver ASCM QSW	422
Drill HSS	432
Socket wrench insert SW3/8"	442

Order description	Effective length [mm]	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JA3-GU-6.5x55 E16	55	75	50		9403611311	4061245013213
JA3-GU-6.5x70 E16	70	90	50		9403911311	4061245013206
JA3-GU-6.5x80 E16	80	100	50		9404011311	4061245013190
JA3-GU-6.5x95 E16	95	115	50		9404111311	4061245013183
JA3-GU-6.5x105 E16	105	125	50		9404211311	4061245013176
JA3-GU-6.5x130 E16	130	150	50		9404411311	4061245013169
JA3-GU-6.5x155 E16	155	175	50		9404611311	4061245105543
JA3-GU-6.5x180 E16	180	200	50		9404711311	4061245013145

Universal metal construction anchor JZ5-GU-6.3



Application range

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

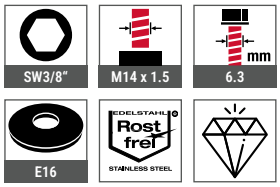
Characteristics

> A2 stainless steel
> Consisting of GU threaded sleeve and JZ5-6.3xL self-tapping screw

Notice

EJOT metal construction anchors may only be loaded in axial direction of the screw. The load-bearing capacity and dimensions of the structure and substructure must be sufficient.

Technical specifications



Cross references	page
Drill hole chart	139
GU Ring bolt	173
GU threaded sleeve	173
Cordless screwdriver ASCM QSW	422
Drill HSS	432
Socket wrench insert SW3/8"	442

Characteristic values for the load-carrying capacity Steel substructure S235 J(xx) (St 37)						
Thickness of substructure [mm]	2.0	3.0	4.0	5.0	6.0	≥ 7.0
Drill hole diameter [mm]	5.3	5.3	5.3	5.5	5.5	5.7
$N_{R,k}$* [kN]	3.6	6.0	8.8	11.6	13.4	13.4

*Based on the approval of the screws ETA-10/0200 The tensile forces that can be absorbed by the attachment part (ring bolt) must be observed.

Product in the online shop

Order description	Clamping thickness [mm]	Screw length L [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JZ5-GU-6.3x13 E16	13	40	50		9491311311	4061245081755
JZ5-GU-6.3x25 E16	25	53	50		9491411311	4061245081762
JZ5-GU-6.3x35 E16	35	63	50		9491511311	4061245081779
JZ5-GU-6.3x55 E16	55	83	50		9491611311	4061245081786
JZ5-GU-6.3x65 E16	65	93	50		9491711311	4061245081793
JZ5-GU-6.3x75 E16	75	103	50		9491811311	4061245081809
JZ5-GU-6.3x85 E16	85	113	50		9491911311	4061245081816
JZ5-GU-6.3x95 E16	95	123	50		9492011311	4061245081823
JZ5-GU-6.3x105 E16	105	133	50		9492111311	4061245081830
JZ5-GU-6.3x115 E16	115	143	50		9492211311	4061245081847
JZ5-GU-6.3x125 E16	125	153	50		9492311311	4061245081854
JZ5-GU-6.3x135 E16	135	163	50		9492411311	4061245081878
JZ5-GU-6.3x155 E16	155	183	50		9492511311	4061245083308
JZ5-GU-6.3x175 E16	175	203	50		9492611311	4061245081885
JZ5-GU-6.3x195 E16	195	223	50		9492711311	4061245081892
JZ5-GU-6.3x215 E16	215	243	50		9492811311	4061245081908

GU ring bolt M14



Application range

> For Universal metal construction anchor GU

Characteristics

> Zinc-plated forged steel
> Axial load capacity: 490 kg

Technical specifications

M14 x 1.5

Cross references	page
Metal construction anchor JA3-GU-6.5	171
Metal construction anchor JZ5-GU-6.3	172
GU threaded sleeve	173

Product in the online shop

Order description	Rind diameter [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
GU Ring bolt M14x1.5 steel, zink plated	25.0	50		9409400501	4061245013138

GU threaded sleeve



Application range

> Can be extended to a universal metal construction anchor GU
> Can be combined with all EJOT JA3 self-tapping screws with diameter 6.5 mm
> Can be combined with all EJOT JA5 self-tapping screws with diameter 6.3 mm
> For ring bolts M14

Characteristics

> A2 stainless steel
> Repeat use of GU-threaded sleeve possible

Notice

Effective length of universal metal construction anchor GU + 20 mm = length of required screw

Technical specifications

SW13 | M14 x 1.5 | Rostfrei

Cross references	page
Metal construction anchor JA3-GU-6.5	171
Metal construction anchor JZ5-GU-6.3	172
GU ring bolt	173

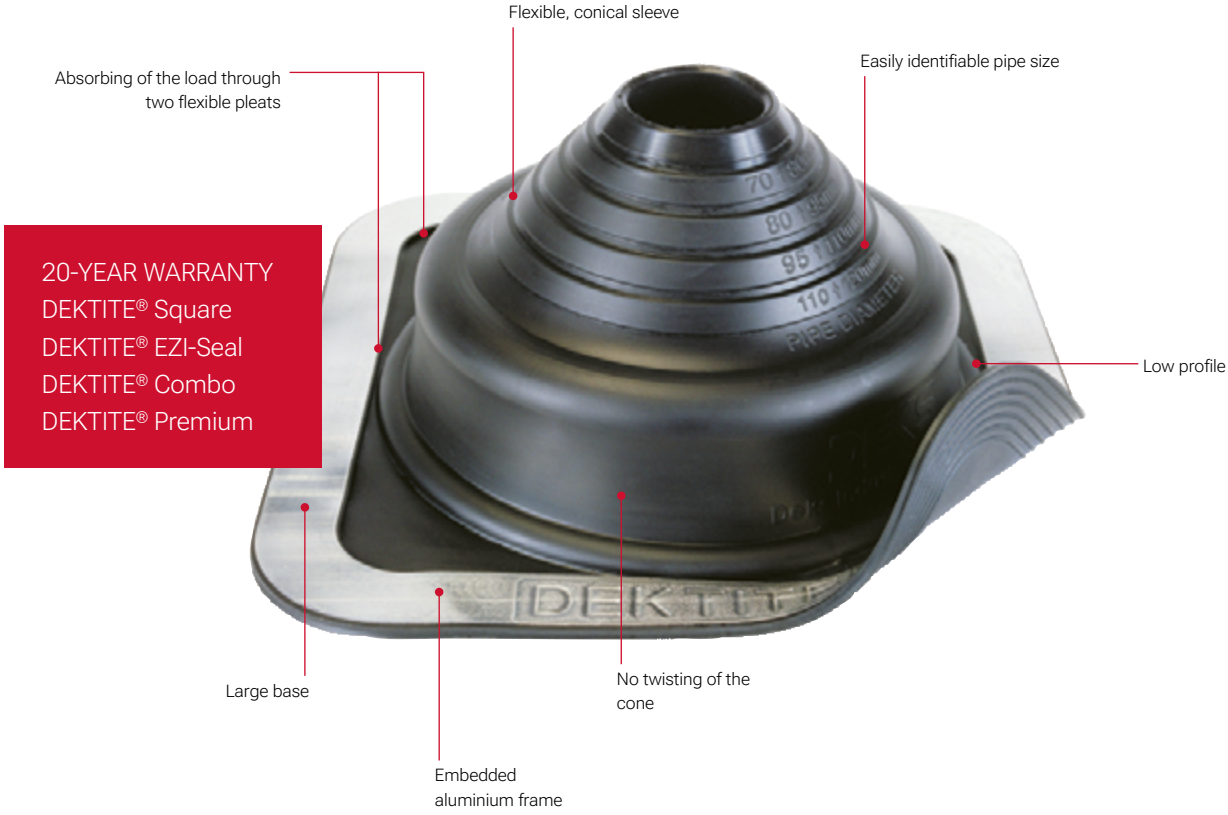
Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
GU threaded sleeve	18	50		9400100300	4061245013336

DEKTITE® Pipe Flashings

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.



20-YEAR WARRANTY
DEKTITE® Square
DEKTITE® EZI-Seal
DEKTITE® Combo
DEKTITE® Premium

Properties

> Standard dimensions for pipe diameters of up to 760 mm
> Weather-resistant due to building industry-approved EPDM
> Unsusceptible to UV-radiation
> Adaptable to all roof profiles

Notice

When using the DEKTITE® pipe flashing please note the specifications stated in DIN 1090-4, B11 "Öffnungen in Dächern" have to be considered.
Pipe flashings may not be installed in cross or side laps.

Advantages

> Long service life
> Temperature resistance EPDM (black or grey) permanent 50 °C to +115 °C, short-term up to +150 °C
> Temperature resistance silikone (red) permanent 50 °C to +200 °C, short-term up to +250 °C
> Flexible adjustment
- to various profiles
- to all pipe materials
- to pipe diameters up to 760 mm

DEKTITE® Square Set



Cross references	page
Joint sealant	180
Tightener	180
Hose clamp	181

Application range

> For waterproofing pipes on trapezoidal or sinusoidal metal roofs or corrugated fibre cement roofs

Properties

> Version EDPM (black)
> Temperature resistance EPDM (black or grey) permanent 50 °C to +115 °C, short-term up to +150 °C
> Temperature resistance silikone (red) permanent 50 °C to +200 °C, short-term up to +250 °C

Advantages

> Perfect seal on roof and facade
> No interference of thermal elongation of pipes
> No fatigue fractures
> 20-year warranty on material

Notice

Use folding blind rivets for fibre cement boards. Profile height max. 45 mm.

Included in delivery

1 pipe flashing
1 cartridge of EJOPLAST joint sealant
1 self-drilling screw set - optionally folding blind rivet set

Assembly instruction

Product in the online shop

Order description	For pipe diameter [mm]	Base [mm]	Roof pitch [°]	Content Cartridge [ml]	Content Screws [pieces]	PU [set]	Price/1 [EUR]	Article number	EAN
DFE 100 B Set	0 – 35	100 x 100	0 – 60	80	8	1		8200004704	4061245013954
DFE 101 B Set	5 – 55	139 x 139	0 – 35	80	8	1		8200104704	4061245013800
DFE 103 B Set	5 – 127	221 x 221	0 – 35	80	16	1		8200304704	4061245013787
DFE 104 B Set	75 – 175	280 x 280	0 – 35	80	20	1		8200404704	4061245013763
DFE 106 B Set	125 – 230	363 x 363	0 – 35	80	28	1		8200604704	4061245013749
DFE 107 B Set	150 – 300	456 x 456	0 – 35	310	32	1		8200704704	4061245013725
DFE 109 B Set	230 – 508	681 x 681	0 – 35	310	40	1		8200904704	4061245013701

Order information: All versions also available in grey (EPDM) and red (silicone) Further lengths upon request.

Further versions available



DEKTITE®
Premium 3
| see Page 204

DEKTITE® EZi-Seal Set



Cross references	page
Joint sealant	180
Tightener	180
Hose clamp	181

Assembly instruction

Product in the online shop

Application range

> For waterproofing pipes on corrugated metal or fibre cement roofs

Characteristics

> Version EDPM (black)
> Temperature resistance EPDM (black)
permanent 50 °C to +115 °C, short-term up to +150 °C

Advantages

> 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
> 20-year warranty on material

Notice

Use folding blind rivets for fibre cement boards. Profile height max. 45 mm.

Included in delivery

1 pipe flashing
1 self-drilling screw set - optionally folding blind rivet set

Order description	For pipe diameter [mm]	Base [mm]	Roof pitch [°]	Content screws [pieces]	PU [set]	Price/1 [EUR]	Article number	EAN
DFE 100 EZ Set	0 – 35	100 x 100	0 – 60	8	1		8200004706	4061245013947
DFE 101 EZ Set	5 – 55	139 x 139	0 – 35	8	1		8200104706	4061245013794
DFE 103 EZ Set	5 – 127	221 x 221	0 – 35	16	1		8200304706	4061245013770
DFE 104 EZ Set	75 – 175	280 x 280	0 – 35	20	1		8200404706	4061245013756
DFE 106 EZ Set	125 – 230	363 x 363	0 – 35	28	1		8200604706	4061245013732
DFE 107 EZ Set	150 – 300	456 x 456	0 – 35	32	1		8200704706	4061245013718
DFE 109 EZ Set	230 – 508	681 x 681	0 – 35	40	1		8200904706	4061245013695

Order information: Other dimensions upon request

DEKTITE® Soaker Set



Cross references	page
Joint sealant	180
Tightener	180
Hose clamp	181

Application range

> For waterproofing pipes with large openings

Properties

> Version EDPM (grey)
> Temperature resistance EPDM (grey) permanent 50 °C to +115 °C, short-term up to +150 °C
> Temperature resistance silikone (red) permanent 50 °C to +200 °C, short-term up to +250 °C

Advantages

> 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 self-drilling screw set

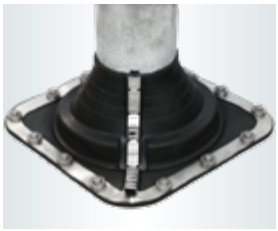
Assembly instruction

Product in the online shop

Order description	For pipe diameter [mm]	Base [mm]	Roof pitch [°]	Content Cartridge [ml]	Content Screws [set]	PU [set]	Price/1 [EUR]	Article number	EAN
DF 602 G Set	75 – 155	410 x 360	0 – 60	80	30	1		8206024704	4061245013688
DF 603 G Set	114 – 254	485 x 460	0 – 60	80	36	1		8206034704	4061245013671
DF 605 G Set	254 – 406	708 x 635	0 – 60	310	52	1		8206054704	4061245013664
DF 606 G Set	380 – 610	1006 x 905	0 – 60	310	96	1		8206064704	4061245013657

Order information: All versions also available in red (silicone). Further lengths upon request.

DEKTITE® Combo Set



Cross references	page
Joint sealant	180
Tightener	180
Hose clamp	181

Assembly instruction

Product in the online shop

Application range

> For sealing pipes on metal or fiber cement roofs
> For subsequent waterproofing of pipes

Properties

> Version EDPM (black)
> Temperature resistance EPDM (black or grey) permanent 50 °C to +115 °C, short-term up to +150 °C
> Temperature resistance silikone (red) permanent 50 °C to +200 °C, short-term up to +250 °C

Advantages

> Perfect seal on roof and facade
> No interference of thermal elongation of pipes
> No fatigue fractures
> Ideal for repairs of existing pipe systems
> 20-year warranty on material

Notice

Use folding blind rivets for fibre cement boards.
Profile height max. 45 mm.

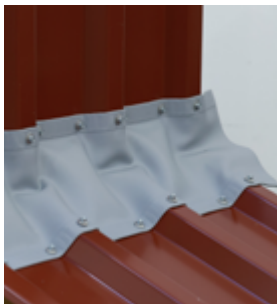
Included in delivery

1 pipe flashing
1 cartridge of EJOPLAST joint sealant
1 self-drilling screw set - optionally folding blind rivet set
1 clips set

Order description	For pipe diameter [mm]	Base [mm]	Roof pitch [°]	Content Cartridge [ml]	Content Screws [pieces]	PU [set]	Price/1 [EUR]	Article number	EAN
DC 101 B Set	5 – 60	139 x 139	0 – 40	80	8	1		8201104704	4061245046846
DC 103 B Set	5 – 127	218 x 218	0 – 40	80	16	1		8201304704	4061245046853
DC 104 B Set	75 – 175	285 x 285	0 – 40	80	20	1		8201404704	4061245046860
DC 106 B Set	125 – 230	365 x 365	0 – 40	80	28	1		8220304704	4061245046877
DC 107 B Set	150 – 280	454 x 454	0 – 40	310	32	1		8230304704	4061245046884
DC 109 B Set	240 – 503	685 x 685	0 – 40	310	40	1		8250304704	4061245046891
DC 110 B Set	350 – 760	1000 x 1040	*	310	70/10	1		8270004704	4061245013572

***350 - 500 mm cut: maximum 30°; 500 - 760 mm cut: maximum 15°**
Order information: All versions also available in grey (EPDM) and red (silicone) Further lengths upon request.

DEKTITE® Strip Flash Set



Application range

> Sealing of wall joints
> Forming expansion joints

Properties

> Version TPE (grey)
> Temperature resistance TPE (grey)
permanent 50 °C to +115 °C, short-term up to +150 °C
> 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 self-drilling screw set

Scope of delivery DS15 450

10 cartridges joint sealant
(neutral curing silicone)
1 self-drilling screw set

Assembly instruction

Product in the online shop

Order description	Length [m]	Width [mm]	Content Cartridge [ml]	Content Screws [pieces]	PU [set]	Price/1 [EUR]	Article number	EAN
DS3 235	3.1	235	310	134	1		8200006704	4061245013916
DS10 235	10.0	235	310	410	1		8200005704	4061245013930
DS15 450	15.0	450	310	670	1		8200002704	4061245013978

EJOPLAST joint sealant



Application range

> For sealing the DEKTITE® pipe flashings

Properties

> Single-component universal sealant based on polycarboxylic acid copolymeric base
> ACE 7 adheres to almost all surfaces (e.g. Steel, aluminium, copper, brass, glass, wood, ceramic, bitumen, concrete, masonry, plaster, plexiglas, tiles, roof tiles, polyester, roofing paper, etc.)
> Immediately rainproof - workable in the rain
> Excellent weather and UV resistance

Technical specifications	
Skin formation time at 23 °C/50 % rLf [min]	~ 1
Installation temperature: from/to [°C]	+ 5 / + 35
Viscosity at 23 °C	pasty
Density at 23 °C according to ISO 1183-1 [g/cm³]	~ 1,1
Permitted total deformation [%]	10
Temperature resistance from/to [°C]	- 20 / + 80
Shelf life at 23 °C/ 50 % rLf [months]	24*
Storage temperature from/to [°C]	0 / + 30
Volume shrinkage according to ISO 10563 [%]	~ 20

*From production

Product in the online shop

Order description	Contents [ml]	Colour	PU [pieces]	Price/1 [EUR]	Article number	EAN
EJOPLAST 310 ml clear	310	clear	1		8200001100	4061245093901

Tightener/cable tie



Application range

> For reliable sealing between pipe and pipe flashing
> For diameters from 150 mm onwards

Order information

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

Installing the cable tie

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

Technical specifications

Product in the online shop

Order description	Width [mm]	Length [cm]	PU [set]	Price/1 [EUR]	Article number	EAN
Cable tie set (1 tightener + 1 cable tie 100 cm)	7	100	1		8200078300	4061245013824
Cable tie set (1 tightener + 1 cable tie 150 cm)	7	150	1		8200079300	4061245013817
Cable tie set (1 tightener + 1 cable tie 200 cm)	7	200	1		8200070300	4061245013855

Order description	Width [mm]	Length [cm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Tightener	–	–	1		8200077300	4061245013831
Cable tie (5000 cm)	7	5,000	1		8200076300	4061245013848

Hose clamp



Application range

> For reliable sealing between pipe and pipe flashing

Installation instruction

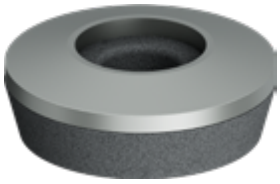
Pierce the marking for the clamp or cable tie at the joint, pull through, place around the DEKTITE® and close.

Technical specifications

Product in the online shop

Order description	For pipe diameter [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Hose clamp 20-32	20 – 32	1		8200004300	4061245013961
Hose clamp 40-60	40 – 60	1		8200006300	4061245013923
Hose clamp 60-80	60 – 80	1		8200008300	4061245013909
Hose clamp 70-90	70 – 90	1		8200009300	4061245013893
Hose clamp 90-110	90 – 110	1		8200011300	4061245013886
Hose clamp 110-130	110 – 130	1		8200013300	4061245013879
Hose clamp 130-150	130 – 150	1		8200015300	4061245013862

Sealing washer E



Application range

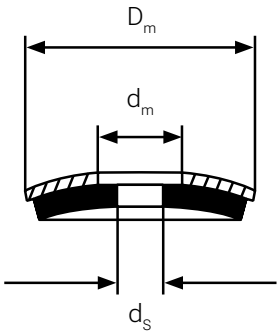
> Waterproofing
> For improvement of the static and dynamic values
> E38 and E50 to cover misdrills

Properties

> Metal back A2 stainless steel, thickness 1 mm
> Bonded EPDM
> Excellent weather and UV resistance

Technical specifications



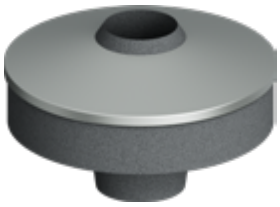


Product in the online shop

Order description	D_m [mm]	d_m [mm]	d_s [mm]	Elastomer thickness [mm]	For screws Ø [mm]	PU* [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E11/2-5.7x1	11	5.7	4.0	2.0	4.8; 4.9; 5.5; DG40	100		3010092300	4061245020778
Sealing washer E14/3-5.7x1	14	5.7	4.0	3.0	4.8; 4.9; 5.5	100		3010077300	4061245020785
Sealing washer E14/3-6.8x1	14	6.8	4.9	3.0	6.0; 6.3; 6.5; 6.8	100		3010071300	4061245044897
Sealing washer E16/3-5.7x1	16	5.7	4.0	3.0	4.8; 4.9	100		3031067300	4061245044903
Sealing washer E16/3-6.8x1	16	6.8	4.0	3.0	5.5; 6.0; 6.3; 6.5; 6.8	100		3010067300	4061245020808
Sealing washer E16/3-7.8x1	16	7.8	5.7	3.0	7.2; 7.5; DG70	100		3030011300	4061245044910
Sealing washer E16/3-8.5x1	16	8.5	6.5	3.0	8.0	100		3030052300	4061245038827
Sealing washer E19/3-6.8x1	19	6.8	4.0	3.0	4.8; 5.5; 6.0; 5.5/6.3	100		3010066300	4061245020815
Sealing washer E19/3-6.8x1 internal hole 4.9 mm	19	6.8	4.9	3.0	6.3; 6.5; 6.8	100		3030066301	4061245044927
Sealing washer E19/3-7.8x1	19	7.8	5.7	3.0	7.2; 7.5	100		3030066300	4061245044934
Sealing washer E22/3-6.8x1	22	6.8	4.0	3.0	4.8; 4.9; 5.5; 6.0	100		3010013300	4061245020839
Sealing washer E22/3-6.8x1 internal hole 4.9 mm	22	6.8	4.9	3.0	6.3; 6.5; 6.8; 6.5/7.0	100		3030013301	4061245044941
Sealing washer E22/3-7.8x1	22	7.8	5.7	3.0	7.2; 7.5	100		3030013300	4061245044958
Sealing washer E22/3-8.5x1	22	8.5	7.0	3.0	8.0	100		3030053300	4061245038858
Sealing washer E29/6.8x1	29	6.8	4.0	3.0	5.5; 6.0; 6.3; 6.5; 6.8	100		3010015300	4061245020822
Sealing washer E29/8.5x1	29	8.5	7.0	3.0	7.2; 8.0	100		3030055300	4061245038865
Sealing washer E38-4	38	6.9	4.0	4.0	4.8; 5.5; 6.0; 5.5/6.3	10		3030073300	4061245020907
Sealing washer E50-4	51	6.9	4.0	4.0	4.8; 5.5; 6.0; 5.5/6.3	10		3030075300	4061245020914

*The total order quantity per variant is delivered in a single carton. Delivery in individual PU available upon request.

Mushroom washer



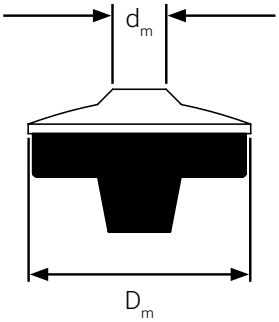
Application range

> For fixing light diffusing panels

Properties

> Metal back A2 stainless steel, thickness 1 mm
> Moulded elastomer part
> Pre-assembled on EJOT screws for JZ5, JA3

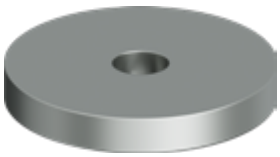
Technical specifications



Product in the online shop

Order description	Height [mm]	Collar diameter [mm]	D_m [mm]	d_m [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Mushroom washer EP 25	7.0	9.0	25	6.3	100		3010070704	4061245020792

Shearing load washer VS

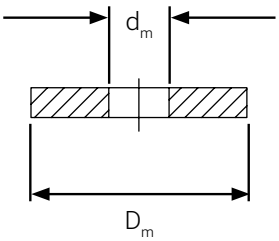


Application range

> For use with EJOT screws JZ, JA, JT

Properties

> Zinc-plated steel
> Metal thickness 4 mm



Product in the online shop

Order description	D_m [mm]	d_m [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Shearing load washer VS 29	29	6.7	100		3010000003	4061245020846

Thread protection sleeve



Application range

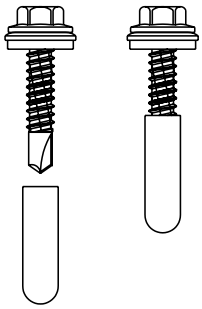
> For covering drill points and thread ends of EJOT screws
> For screw diameters 4.2 mm / 4.8 mm / 5.5 mm / 6.0 mm / 6.3 mm / 6.5 mm

Properties

> Soft plastic

Technical specifications

RAL 9002



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
JT...-3-4.8	3.5x10
JT...-2H-5.5	3.5x10
JT...-2H-6.3	3.5x10
JT...-2H-Plus-5.5	4.0x10
JT...-3H-5.5	4.0x10
JT...-3-5.5	4.0x10
JF...-5.5	4.0x10
JF...-6.0	4.5x10

Which thread protection sleeve for which EJOT screw?

Screw	Thread protection sleeve
JT...-4-5.5	4.5x10
JT...-6-5.5	4.5x10
JT...-8-5.5	4.5x10
Dabo ...-4.8	4.5x25
JT...-12-5.5	4.5x25
JT...-18-5.5	4.5x25
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

Product in the online shop

Order description	Internal Ø [mm]	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
RAL 9002 (grey-white)						
Thread protection sleeve 3.0x10 RAL 9002	3.0	10	1000		8200020700	4061245020600
Thread protection sleeve 3.5x10 RAL 9002	3.5	10	1000		8200021700	4061245020594
Thread protection sleeve 4.0x10 RAL 9002	4.0	10	1000		8200022700	4061245020587
Thread protection sleeve 4.5x10 RAL 9002	4.5	10	1000		8200023700	4061245020570
Thread protection sleeve 4.5x25 RAL 9002	4.5	25	1000		8200053700	4061245083926
Thread protection sleeve 5.0x10 RAL 9002	5.0	10	1000		8200024700	4061245020563
Thread protection sleeve 5.5x10 RAL 9002	5.5	10	1000		8200025700	4061245020556

TP310



Application range

This joint sealing tape is suitable for joint constructions such as window couplings, concealed window connection joints or as a sealant border.
TP310 can also be used as filling tape - especially in metal construction. In this function it realises windproof and heat insulating properties. Corresponds to type 2 according to IFBS data sheet and BG 2.

Properties

- Open-cell flexible polyurethane foam impregnated with flame-retardant synthetic resin.
- TP310 is manufactured without halogen-containing flame retardants, solvent-free and without using HCFCs/CFCs/CFCs
- TP310 is supplied as compressed roll material, with one-sided self-adhesion in grey

Please note

Do not expose the tape to direct sunlight permanently. The tape can be plastered / painted over. Illbruck silicone, acrylate and hybrid-based sealants are compatible with the tape. Further compatibilities can be requested from us. Sealing tape must be stored in a dry place until installation.

Technical specifications

Product in the online shop

Order description	Band width* [mm]	Application range [mm]	Roll length total [m]	Content roll [pieces]	PU [m]	Price/100 m [EUR]	Article number	EAN
Sealing tape TP310 10/1-2 grey	10	1 – 2	12,50	11	137,50		4331010102	4025109298499
Sealing tape TP310 10/2-4 grey	10	2 – 4	10,00	11	110,00		4331010204	4025109298536
Sealing tape TP310 12/3-6 grey	12	3 – 6	8,00	9	72,00		4331012306	4025109298574
Sealing tape TP310 15/1-2 grey	15	1 – 2	12,50	7	87,50		4331015102	4025109298512
Sealing tape TP310 15/2-4 grey	15	2 – 4	10,00	7	70,00		4331015204	4025109298550
Sealing tape TP310 15/3-6 grey	15	3 – 6	8,00	7	56,00		4331015306	4025109298598
Sealing tape TP310 15/4-10 grey	15	4 – 10	5,60	7	39,20		4331015410	4025109298635
Sealing tape TP310 15/5-12 grey	15	5 – 12	4,30	7	30,10		4331015512	4025109298673
Sealing tape TP310 20/4-10 grey	20	4 – 10	5,60	5	28,00		4331020410	4025109298659
Sealing tape TP310 20/5-12 grey	20	5 – 12	4,30	5	21,50		4331020512	4025109298703

*Dimensional tolerances according to DIN7715 P3

TP610



Application range

This high-end joint sealing tape is used for the external driving rain-proof sealing of connection joints in building construction. TP610 is used in window installation, metal, wood and container construction.
Open-cell flexible polyurethane foam with polymer impregnate. Solvent-free single-sided self-adhesive to aid assembly. TP610 is manufactured without halogen-containing flame retardants, solvent-free and without using (H)CFC/CFCS.

Characteristics

> Impervious to driving rain 600 Pa and weather resistant with BG1 test
> Vapor diffusible for drying out the joint
> Wide range of dimension in two colours
> EC1 PLUS and DGNB certified
> For economical RAL quality-assured window installation
> TP610 is supplied as compressed roll material, with one-sided self-adhesion in grey

Please note

Weigh down residual rolls in opened cartons to avoid lateral opening (telescoping) of the rolls. The tape can be plastered and painted over. Compatibility should be tested when coating with light colors and sealants (white and transparent). The tape must not be exposed to or cleaned with solvent-based or aggressive chemicals. Sealing tape must be stored in a dry place until installation.

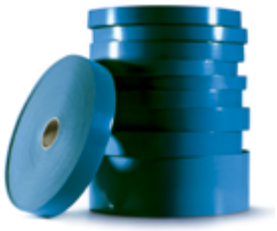
Technical specifications

Product in the online shop

Order description	Band width* [mm]	Application range [mm]	Roll length total [m]	Content roll [pieces]	PU [m]	Price/100 m [EUR]	Article number	EAN
Sealing tape TP610 10/2 anthracite	10	2	10,00	11	110,00		4361010200	4025109372106
Sealing tape TP610 15/2 anthracite	15	2	10,00	7	70,00		4361015200	4025109373103
Sealing tape TP610 15/3-4 anthracite	15	3 – 4	7,00	7	49,00		4361015304	4025109081695
Sealing tape TP610 15/4-5 anthracite	15	4 – 5	5,60	7	39,20		4361015405	4025109372151
Sealing tape TP610 15/5-7 anthracite	15	5 – 7	4,30	7	30,10		4361015507	4025109373158
Sealing tape TP610 20/2 anthracite	20	2	10,00	5	50,00		4361020200	4025109374155
Sealing tape TP610 20/3-4 grey	20	3 – 4	7,00	5	35,00		4361020304	4025109276152
Sealing tape TP610 20/4-5 anthracite	20	4 – 5	5,60	5	28,00		4361020405	4025109378153
Sealing tape TP610 20/5-7 anthracite	20	5 – 7	4,30	5	21,50		4361020507	4025109011791
Sealing tape TP610 20/7-11 anthracite	20	7 – 11	3,30	5	16,50		4361020711	4025109090758

*Maßtoleranzen nach DIN7715 P3

ISO-Zell PE Tape



Product description

ISO-ZELL PE Tapes are versatile sealing and padded tapes. These closed celled polyethylene foam tapes with their self-adhesive coating are characterised by a fine cellular structure and particularly by their flexibility.

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
> Drywall and partitioning
> Air conditioning and ventilation systems
> Domestic appliances
> Wagon and container construction
> Machine and equipment manufacturing

Advantages

> Flexible
> Fine-pored
> Water-repellent
> High ageing resistance

Technical specifications



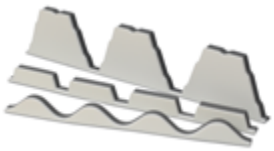
Product in the online shop

Please note

ISO-ZELL PE tape must be stored in a dry place until installation.

Order description	Dimensions [mm]	Box content [rolls]	Metres per roll [m]	PU [m]	Price/100 m [EUR]	Article number	EAN
ISO-ZELL 2x20	2 x 20	120	20.0	2400		0070020020	4048368003932
ISO-ZELL 3x30	3 x 30	50	20.0	1000		0070030030	4048368004120
ISO-ZELL 3x50	3 x 50	25	20.0	500		0070030050	4048368004144

ISO profile filler strips



Product description

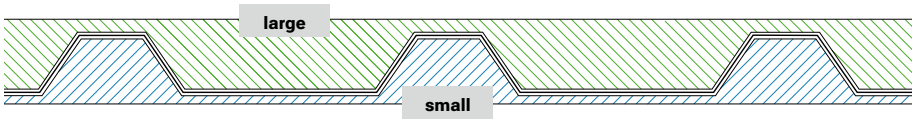
ISO-PROFILE filler strips are profile-cut tapes of high-quality PE foam material. They are used in metal and industrial building structures to seal and insulate trapezoidal and wave profile sheets. They have the optimum form for a wide range of European-manufactured profiled metal sheeting.

Application range

- Reliable and permanent sealing of trapezoidal and corrugated metal sheeting
- Sound and thermal insulation
- Roofing applications (roof ridge, eaves)
- Facade (parapet connections)

Advantages

- Available for many types of profiled sheets
- Fine cells with a consistent smooth surface
- Permanently elastic as well as having form stability
- Fire protection classification B1 as a special property
- Conforms to the requirements of the new IFBS guidelines for joint tightness on lightweight steel constructions
- High and regularly examined product quality



Technical specifications

Certifications

B2

Notice

ISO-PROFILE filler strips must be stored in a dry place until installation.

Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/m [EUR]	Article number	EAN
22 / 214 large - Maas / Laukien / Feilmeier	1070	1		0080022214	4048368174700
22 / 214 small - Maas / Laukien / Feilmeier	1070	1		0080122214	4048368174694
35 / 207 large - Fischer / Maas / Laukien / Feilmeier / Wurzer / SAB / Münker / Hoesch / Joriside	1035	1		0080035207	4048368164701
35 / 207 small - Fischer / Maas / Laukien / Feilmeier / Wurzer / SAB / Münker / Hoesch / Joriside	1035	1		0080135207	4048368164695
39 / 333 large - Arcelor / Münker	1000	1		0080039333	4048368166033
39 / 333 small - Arcelor / Münker	1000	1		0080139333	4048368164749
45 / 333 large - Mass / Laukien / Wurzer / SAB	1000	1		0080045333	4048368220902
45 / 333 small - Maas / Laukien / Wurzer / SAB	1000	1		0080145333	4048368220865
50 / 250 large - Maas / Laukien	1000	1		0080050250	4048368163537
50 / 250 small - Maas / Laukien	1000	1		0080150250	4048368163520
Fischer DL 40/333 large	1000	1		0080140333	4048368163216
ROMA 42 / 333 large	1000	1		0080042333	4048368165852
Brucha 42 / 333 large	1000	1		0080142333	4048368174526
Kingspan 35 / 333 large	1000	1		0080035333	4048368165746
Thyssen 35 / 333 large	1000	1		0080135333	4048368053722
Lattonedil 37 / 200 large	1000	1		0080037200	4048368186598
Corrugated sheet 18 / 76 - Maas / Laukien / Arcelor / Joriside / Münker / SAB / Siegmetall	988	1		0080001876	4048368162158
Corrugated sheet 55 / 177 - Laukien / Eternit / Aluform	887	1		0080055177	4048368162356

Order information: Version with one-sided self-adhesive resp. UV-resistant aluminium lamination upon request



Solar

Fastening technology for solar and photovoltaic installations on trapezoidal profiles and sandwich panel roofs as well as for use on fibre cement roofs

www.ejot.com/solar

Product overview

EJOFAST® self-drilling screws

JF3 (A2 stainless steel + steel)

JF3-2-5.5xL 194
JF3-2-6.0xL 195

Self-drilling screws

JT3 (A2 stainless steel + steel)

JT3-2-6.0xL 196

Fastening set for metal roofs

Solar Fastener JT3-SB (A2 stainless steel + steel)

Set JT3-SB-3-8.0xL E16 199

Solar Fastener JA3-SB (A2 stainless steel)

Set JA3-SB-8.0xL E16 200
Set JA3-SB-10.0xL E20 203

Fastening set for fibre cement roofs

Solar Fastener JT3-SB (A2 stainless steel + steel)

Set JT3-SB-3-8.0xL FZD 201

Solar Fastener JA3-SB (A2 stainless steel)

Set JA3-SB-8.0xL FZD 202

Accessories

Flat steel (A2 stainless steel)

SB flat steel for EJOT® Solar Fastener 204

Pipe flashings

DEKTITE® Premium 3 204
DEKTITE® Premium 5 205
DEKTITE® Premium 12 205

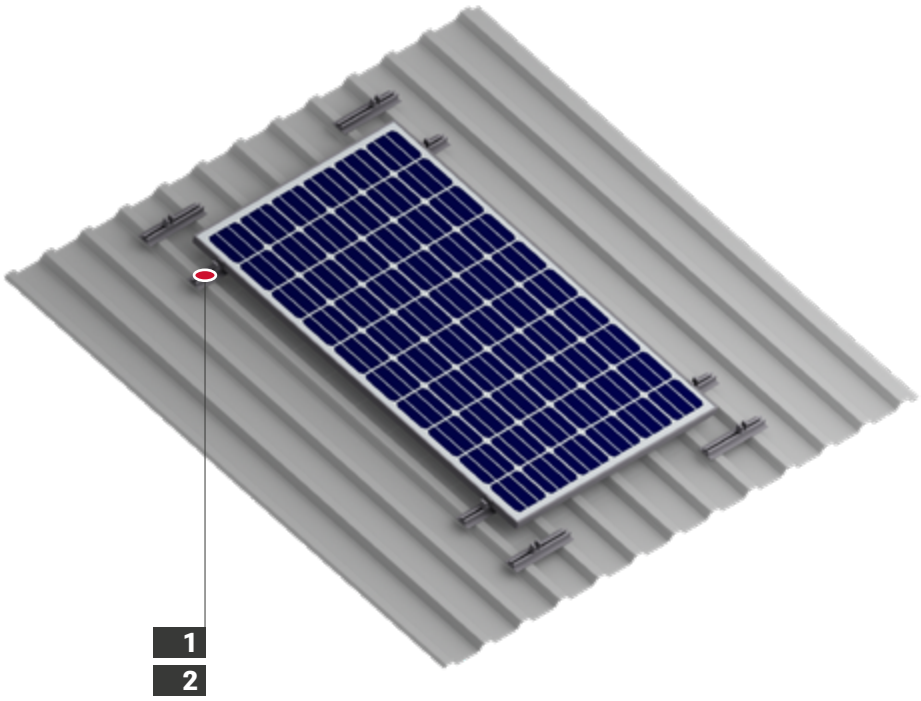
Technical abbreviations

Abbreviation	Description	Unit
DC	Drilling capacity	mm

Fastening of solar and photovoltaic installations

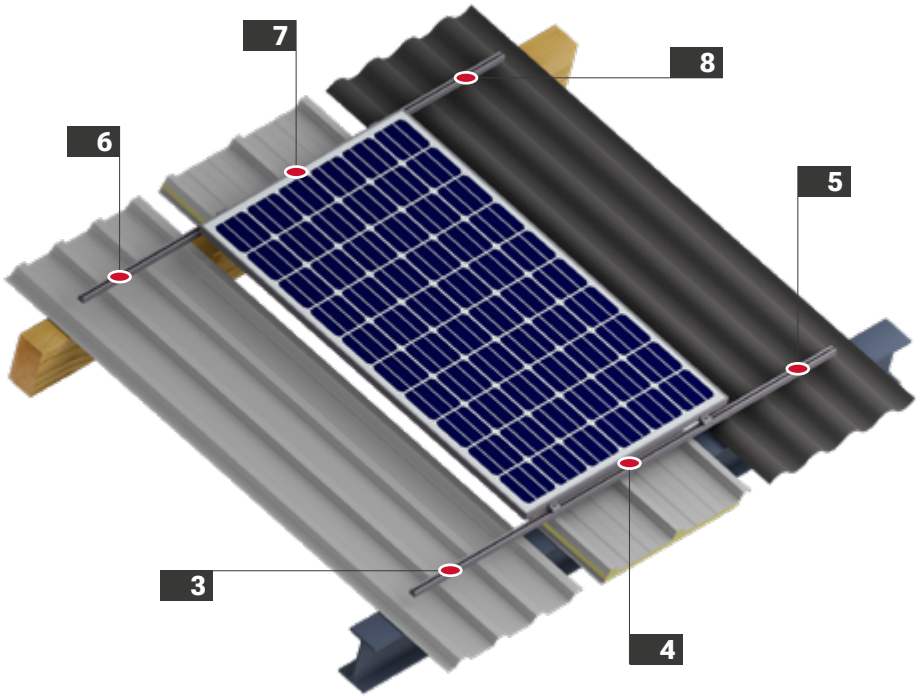
Description

EJOT stocks a comprehensive portfolio of fastening solutions for solar plants on a wide variety of roof types and substrates. The portfolio includes a selection of self drilling screws with reduced swarf risk from the EJOFAST® family for the fastening of mounting rails, trapezoidal sheet metal clamps and bridges as well as wind deflectors, the EJOT solar fastening and practical accessories. The EJOT Solar Fastener set with sealing washer and ORKAN storm washer is the first ETA-certified stainless steel fastening element for mounting PV systems to trapezoidal profiles and sandwich panel roofs. For applications on corrugated fibre cement sheets, we recommend the set with an FDZ fibre cement seal.



No.	Application	Product	Page
1	 Trapezoidal sheet flashing to 0.4-1.0 mm steel substructure	EJOFAST® self-drilling screw JF3-2-5.5xL E16	194

No.	Application	Product	Page
2	 Support rail to 0.4-1.0 mm steel substructure	EJOFAST® self-drilling screw JF3-2-6.0xL E16	195



No.	Application	Product	Page
3	Solar fastener for trapezoidal profile to steel substructure	Solar Fastener JT3-SB-3-8.0xL storm washer	199
4	Solar Fastener for sandwich profile to steel substructure	Solar Fastener JT3-SB-3-8.0xL storm washer	199
5	Solar Fastening System for corrugated fibre cement profile sheet to steel substructure	Solar Fastener JT3-SB-3-8.0xL FZD	201

No.	Application	Product	Page
6	Solar fastener for trapezoidal profile to timber substructure	Solar Fastener JA3-SB-8.0xL storm washer	200
7	Solar Fastener for sandwich profile to timber substructure	Solar Fastener JA3-SB-8.0xL storm washer	200
8	Solar Fastener for corrugated fibre cement profile sheet to timber substructure	Solar Fastener JA3-SB-8.0xL FZD	202

EJOFAST® self-drilling screw JF3-2-5.5

EJOFAST



Cross references **page**

Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

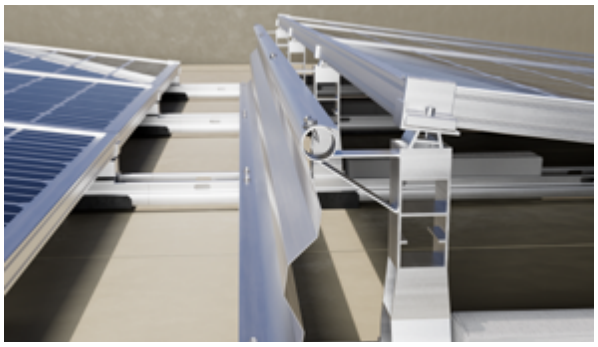
Application range

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

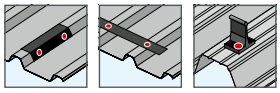
Characteristics

> A2 stainless steel with hardened steel point
> Stainless steel sealing washer
> Pre-assembled sealing washer
> Non-skid application
> Fastening with reduced swarf
> High load-bearing capacity

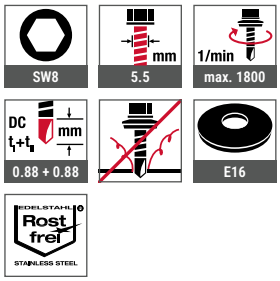


Application example
Fixing wind deflector sheets to elevated flat roof systems

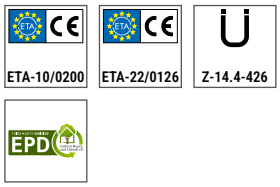
Applications



Technical specifications



Certifications



Installation process

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 16, Ø 16 mm						
JF3-2-5.5x25 E16	25	0 – 7	500		3597211391	4061245015040
JF3-2-5.5x25 E16 VE100	25	0 – 7	100		6597211391	4061245014609
JF3-2-5.5x35 E16	35	0 – 17	500		3597511391	4061245015026

EJOFAST® self-drilling screw JF3-2-6.0



Cross references	page
Cordless screwdriver	
ASCM QSW	422
Socket wrench insert SW8	442

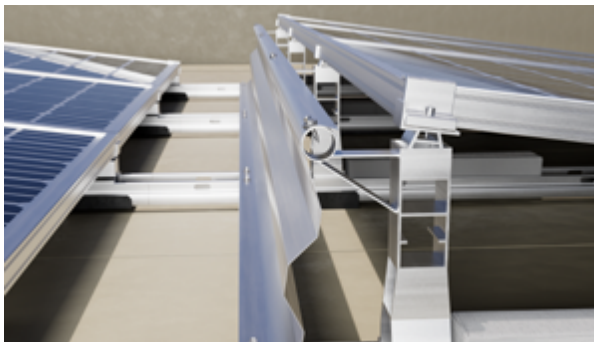
Application range

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

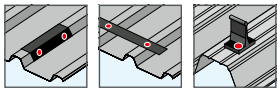
> A2 stainless steel with hardened steel point
> Stainless steel sealing washer
> Pre-assembled sealing washer
> Non-skid application
> Fastening with reduced swarf
> High load-bearing capacity



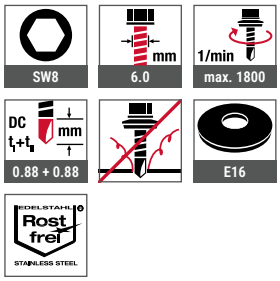
Application example
Fixing wind deflector sheets to elevated flat roof systems

EJOFAST

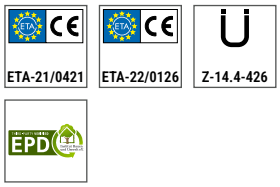
Applications



Technical specifications



Certifications



Installation process

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 16, Ø 16 mm						
JF3-2-6.0x25 E16	25	0 – 7	500		3595511391	4061245092317
JF3-2-6.0x25 E16 VE100	25	0 – 7	100		6595511391	4061245105826
JF3-2-6.0x40 E16	40	0 – 22	500		3595513931	4061245094007
JF3-2-6.0x50 E16	50	0 – 32	500		3595512931	4061245102290

Self-drilling screw JT3-2-6.0



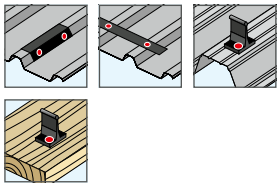
Application range

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

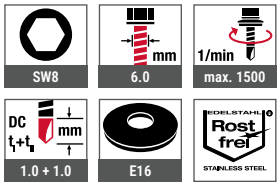
Characteristics

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

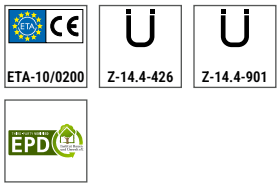
Applications



Technical specifications



Certifications



Cross references	page
Cordless screwdriver	
ASCM QSW	422
Socket wrench insert SW8	442

Installation process

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Sealing washer E 16, Ø 16 mm						
JT3-2-6.0x25-E16	25	0 – 7	500		3595511321	4061245015200
JT3-2-6.0x35-E16	35	0 – 16	500		3595711321	4061245015149

The EJOT® Solar Fastener

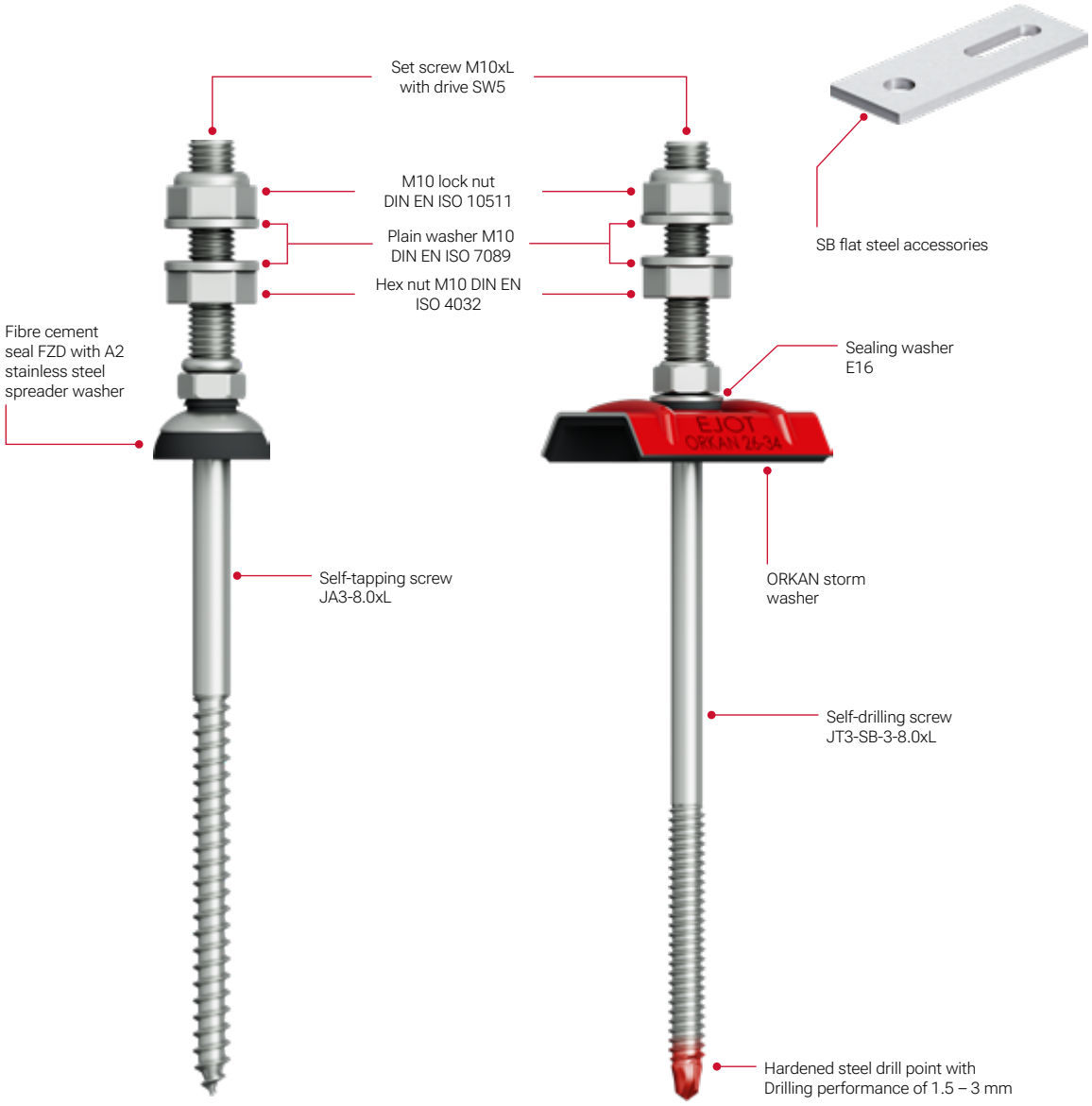
Load transfer directly into the substructure

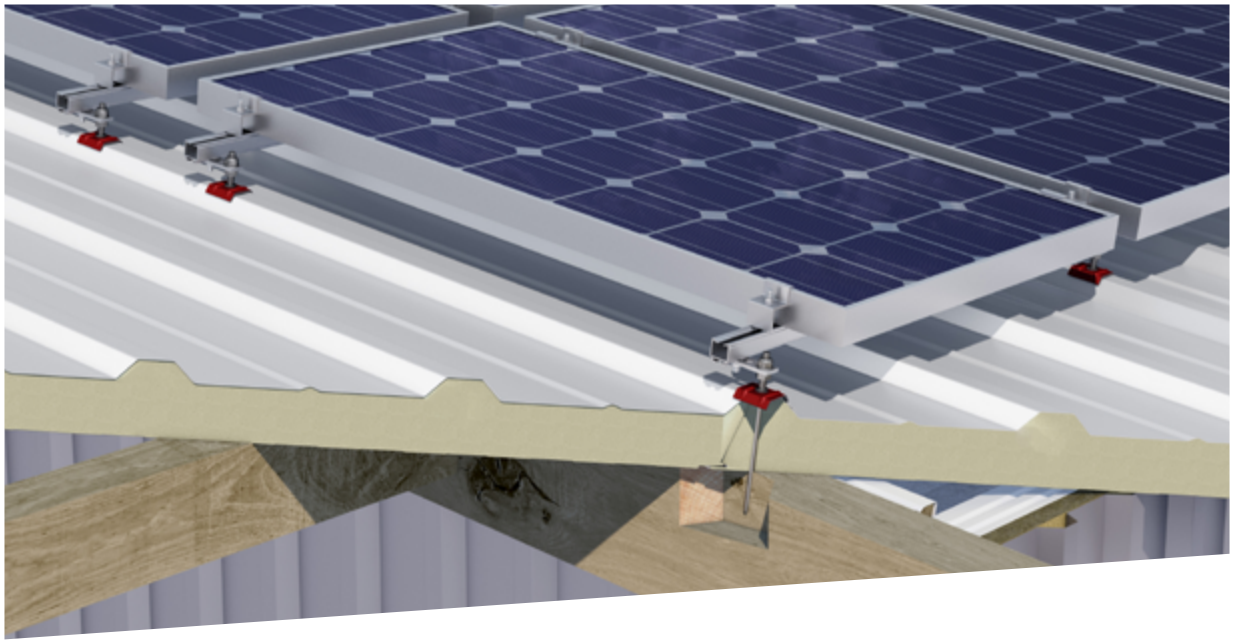
The EJOT Solar Fastener set with sealing washer and ORKAN storm washer is the first ETA-certified stainless steel fastening element for fixing photovoltaic installations to trapezoidal profiles and sandwich panel roofs. For applications on corrugated fibre cement sheets, we recommend the set with an FDZ fibre cement seal. The main benefit is that all tensile and compressive forces are transferred directly into the substructure.

The bottom part of the fastener with drill point is fixed directly into the substructure in a single operation without any pre-drilling. The top part has a welded-on set screw to hold the mounting rails for the solar installation. The range is supplemented by an assortment of sealing elements and adapters.

Advantages

- Quick retrofitting on existing installations
- Extremely safe fastening with direct load transfer into the substructure
- No additional holes in the roofing membrane
- Consistent installation depth
- Use of proven sealing systems
- ETA-22/0762-certified (only Solar Fastener set with sealing washer + ORKAN storm washer)
- Durable seal due to solid attachment point
- Minimum installation and tool requirements
- Project-related initial sizing possible



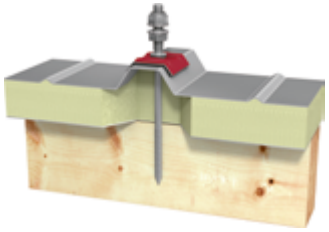


Product selection depending on roof structure

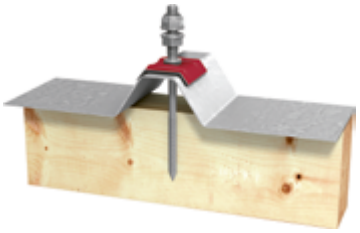
JA thread for timber substructures:



JA3-SB-8.0xL
with FZD fibre cement seal
for fibre cement roofing



JA3-SB-8.0xL | JA3-SB-10.0xL
with sealing washer E16 + ORKAN storm washer
for sandwich panels

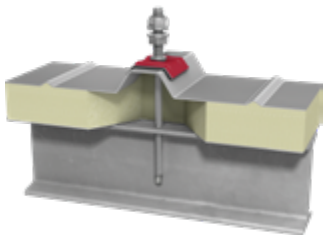


JA3-SB-8.0xL | JA3-SB-10.0xL
with sealing washer E16 + ORKAN storm washer
for trapezoidal profiles

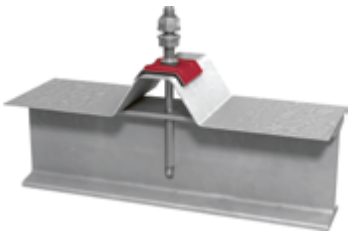
JT thread for steel substructures:



JT3-SB-3-8.0xL
with FZD fibre cement seal
for fibre cement roofing



JT3-SB-3-8.0xL
with sealing washer E16 + ORKAN storm washer
for sandwich panels



JT3-SB-3-8.0xL
with sealing washer E16 + ORKAN storm washer
for trapezoidal profiles

Solar Fastener set JT3-SB-3-8.0xL with E16 + ORKAN storm washer



Cross references	page
ORKAN storm washers	150
SB flat steel	204
Cordless screwdriver ASCM QSW	422
Drill HSS	432
Bit hexagon SW5	438
Bit holder	446

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
> Suitable for metal trapezoidal and corrugated profile sheets and sandwich panels

Characteristics

> A2 stainless steel with hardened steel drill point
> In set with sealing washer E16 + ORKAN storm washer

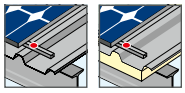
Advantages

> Quick retrofitting on existing installations
> Fastening without pre-drilling (substructure < 3 mm)
> Extremely safe fastening with direct load transfer into the substructure
> No additional holes in the roofing membrane
> Suitable for high-strength steels
> Consistent installation depth
> Use of proven sealing systems
> Durable seal due to solid attachment point
> Minimum installation and tool requirements
> Project-related initial sizing possible

Notice

The solar fastener components are tailored to your project. Further versions upon request!

Applications



Technical specifications





Certifications

ETA-22/0762

Product video

Installation process

Product in the online shop

Order description	Screw length [mm]	Clamping thickness [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Set screw M10 x 50 mm						
Set JT3-SB-3-8.0x85/50 E16	85	18 – 60	25		3340891905	4061245021201
Set JT3-SB-3-8.0x115/50 E16	115	48 – 90	25		3341191905	4061245021218
Set JT3-SB-3-8.0x155/50 E16	155	88 – 130	25		3341591905	4061245021225
Set JT3-SB-3-8.0x195/50 E16	195	128 – 170	25		3341991905	4061245021232
Set screw M10 x 70 mm						
Set JT3-SB-3-8.0x85/70 E16	85	18 – 60	25		3340891907	4061245041117
Set JT3-SB-3-8.0x115/70 E16	115	48 – 90	25		3341191907	4061245041094
Set JT3-SB-3-8.0x155/70 E16	155	88 – 130	25		3341591907	4061245041070
Set JT3-SB-3-8.0x195/70 E16	195	128 – 170	25		3341991907	4061245041056

Order information: ORKAN storm washers must be ordered separately with specification of the storm washer type. Standard scope of delivery includes: Hexagon nut DIN EN ISO 4032, self-locking hexagon nut DIN EN ISO 10511, washers DIN EN ISO 7089.
Also available with screw nuts with locking serrations DIN EN ISO 1661.

Solar Fastener set JA3-SB-8.0xL with E16 + ORKAN storm washer



Cross references	page
ORKAN storm washers	150
SB flat steel	204
Cordless screwdriver ASCM QSW	422
Drill HSS	432
Bit hexagon SW5	438
Bit holder	446

Product video

Installation process

Product in the online shop

Application range

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

Characteristics

> A2 stainless steel
> In set with sealing washer E16 + ORKAN storm washer

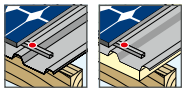
Advantages

> Quick retrofitting on existing installations
> Extremely safe fastening with direct load transfer into the substructure
> No additional holes in the roofing membrane
> Consistent installation depth
> Use of proven sealing systems
> Durable seal due to solid attachment point
> Minimum installation and tool requirements
> Project-related initial sizing possible

Notice

The solar fastener components are tailored to your project. Further versions upon request!

Applications



Technical specifications



Certifications

ETA-22/0762

Order description	Screw length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Set screw M10 x 50 mm					
Set JA3-SB-8.0x80/50 E16	80	25		3150891905	4061245016924
Set JA3-SB-8.0x100/50 E16	100	25		3151091905	4061245016887
Set JA3-SB-8.0x130/50 E16	130	25		3151391905	4061245016849
Set JA3-SB-8.0x150/50 E16	150	25		3151591905	4061245016801
Set JA3-SB-8.0x180/50 E16	180	25		3151891905	4061245016764
Set JA3-SB-8.0x200/50 E16	200	25		3152091905	4061245016726
Set screw M10 x 70 mm					
Set JA3-SB-8.0x80/70 E16	80	25		3150891907	4061245016917
Set JA3-SB-8.0x100/70 E16	100	25		3151091907	4061245016870
Set JA3-SB-8.0x130/70 E16	130	25		3151391907	4061245016832
Set JA3-SB-8.0x150/70 E16	150	25		3151591907	4061245016795
Set JA3-SB-8.0x180/70 E16	180	25		3151891907	4061245016757
Set JA3-SB-8.0x200/70 E16	200	25		3152091907	4061245016719

**Order information: ORKAN storm washers must be ordered separately with specification of the storm washer type. Standard scope of delivery includes: Hexagon nut DIN EN ISO 4032, self-locking hexagon nut DIN EN ISO 10511, washers DIN EN ISO 7089.
Also available with screw nuts with locking serrations DIN EN ISO 1661.**

Solar Fastener set JT3-SB-3-8.0 xL with FZD fibre cement seal



Cross references	page
SB flat steel	204
Cordless screwdriver ASCM QSW	422
Drill HSS	432
Bit hexagon SW5	438
Bit holder	446

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
> Suitable for corrugated fibre cement profile sheets

Characteristics

> A2 stainless steel with hardened steel drill point
> In set with FZD fibre cement seal

Advantages

> Quick retrofitting on existing installations
> Fastening without pre-drilling (substructure < 3 mm)
> Extremely safe fastening with direct load transfer into the substructure
> No additional holes in the roofing membrane
> Suitable for high-strength steels
> Consistent installation depth
> Use of proven sealing systems
> Durable seal due to solid attachment point
> Minimum installation and tool requirements
> Project-related initial sizing possible

Notice

The solar fastener components are tailored to your project. Further versions upon request!

Applications



Technical specifications





Product video

Installation process

Product in the online shop

Order description	Screw length [mm]	Clamping thickness [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Set screw M10 x 50 mm						
Set JT3-SB-3-8.0x85/50 FZD	85	17 – 58	25		3340898905	4061245021249
Set JT3-SB-3-8.0x115/50 FZD	115	47 – 88	25		3341198905	4061245021256
Set JT3-SB-3-8.0x155/50 FZD	155	87 – 128	25		3341598905	4061245021263
Set JT3-SB-3-8.0x195/50 FZD	195	127 – 168	25		3341998905	4061245021270
Set screw M10 x 70 mm						
Set JT3-SB-3-8.0x85/70 FZD	85	17 – 58	25		3340898907	4061245041100
Set JT3-SB-3-8.0x115/70 FZD	115	47 – 88	25		3341198907	4061245041087
Set JT3-SB-3-8.0x155/70 FZD	155	87 – 128	25		3341598907	4061245041063
Set JT3-SB-3-8.0x195/70 FZD	195	127 – 168	25		3341998907	4061245041049

Order information: Also available with screw nuts with locking serrations DIN EN ISO 1661. Standard scope of delivery includes: Hexagon nut DIN EN ISO 4032, self-locking hexagon nut DIN EN ISO 10511, washers DIN EN ISO 7089.

Solar Fastener set JA3-SB-8.0 xL with FZD fibre cement seal



Cross references	page
SB flat steel	204
Cordless screwdriver ASCM QSW	422
Drill HSS	432
Bit hexagon SW5	438
Bit holder	446

Product video

Installation process

Product in the online shop

Application range

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

Characteristics

> A2 stainless steel
> In set with FZD fibre cement seal

Advantages

> Quick retrofitting on existing installations
> Extremely safe fastening with direct load transfer into the substructure
> No additional holes in the roofing membrane
> Consistent installation depth
> Use of proven sealing systems
> Durable seal due to solid attachment point
> Minimum installation and tool requirements
> Project-related initial sizing possible

Notice

The solar fastener components are tailored to your project. Further versions upon request!

Applications



Technical specifications





Order description	Screw length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Set screw M10 x 50 mm					
Set JA3-SB-8.0 x80/50 FZD	80	25		3150898905	4061245016900
Set JA3-SB-8.0 x100/50 FZD	100	25		3151098905	4061245016863
Set JA3-SB-8.0 x130/50 FZD	130	25		3151398905	4061245016825
Set JA3-SB-8.0 x150/50 FZD	150	25		3151598905	4061245016788
Set JA3-SB-8.0 x180/50 FZD	180	25		3151898905	4061245072005
Set JA3-SB-8.0 x200/50 FZD	200	25		3152098905	4061245016702
Set screw M10 x 70 mm					
Set JA3-SB-8.0 x80/70 FZD	80	25		3150898907	4061245016894
Set JA3-SB-8.0 x100/70 FZD	100	25		3151098907	4061245016856
Set JA3-SB-8.0 x130/70 FZD	130	25		3151398907	4061245016818
Set JA3-SB-8.0 x150/70 FZD	150	25		3151598907	4061245016771
Set JA3-SB-8.0 x180/70 FZD	180	25		3151898907	4061245016733
Set JA3-SB-8.0 x200/70 FZD	200	25		3152098907	4061245016696

Order information: Also available with screw nuts with locking serrations DIN EN ISO 1661.
Standard scope of delivery includes: Hexagon nut DIN EN ISO 4032, self-locking hexagon nut DIN EN ISO 10511, washers DIN EN ISO 7089.

Solar Fastener set JA3-SB-10.0xL with E20 + ORKAN storm washer



Cross references	page
ORKAN storm washers	150
SB flat steel	204
Cordless screwdriver ASCM QSW	422
Drill HSS	432
Bit hexagon SW5	438
Bit holder	446

Application range

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

Characteristics

> A2 stainless steel
> In set with sealing washer E20 + ORKAN storm washer

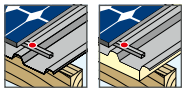
Advantages

> Quick retrofitting on existing installations
> Extremely safe fastening with direct load transfer into the substructure
> No additional holes in the roofing membrane
> Consistent installation depth
> Use of proven sealing systems
> Durable seal due to solid attachment point
> Minimum installation and tool requirements
> Project-related initial sizing possible

Notice

The solar fastener components are tailored to your project. Further versions upon request!

Applications



Technical specifications





Certifications

ETA-22/0762

Installation process



Product in the online shop



Order description	Screw length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Set screw M10 x 50 mm					
Set JA3-SB-10.0x200/50 E20	200	25		3162092905	4061245087047
Set JA3-SB-10.0x220/50 E20	220	25		3162292905	4061245087054
Set JA3-SB-10.0x240/50 E20	240	25		3162492905	4061245087061
Set JA3-SB-10.0x260/50 E20	260	25		3162692905	4061245105758
Set JA3-SB-10.0x280/50 E20	280	25		3162892905	4061245087078
Set JA3-SB-10.0x300/50 E20	300	25		3163092905	4061245087085
Set screw M10 x 70 mm					
Set JA3-SB-10.0x200/70 E20	200	25		3162092907	4061245105765
Set JA3-SB-10.0x220/70 E20	220	25		3162292907	4061245057132
Set JA3-SB-10.0x240/70 E20	240	25		3162492907	4061245105772
Set JA3-SB-10.0x260/70 E20	260	25		3162692907	4061245105789
Set JA3-SB-10.0x280/70 E20	280	25		3162851907	4061245105796
Set JA3-SB-10.0x300/70 E20	300	25		3163092907	4061245106007

**Order information: ORKAN storm washers must be ordered separately with specification of the storm washer type. Standard scope of delivery includes: Hexagon nut DIN EN ISO 4032, self-locking hexagon nut DIN EN ISO 10511, washers DIN EN ISO 7089.
Also available with screw nuts with locking serrations DIN EN ISO 1661.**

SB flat steel for EJOT® Solar Fastener



Cross references	page
JT3-SB-3-8.0xL E16	199
JA3-SB-8.0xL E16	200
JT3-SB-3-8.0xL FZD	201

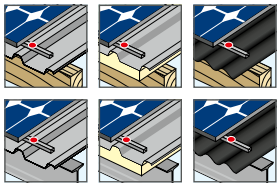
Application range

> Connection plate for fastening different solar installations

Characteristics

> A2 stainless steel
> Dimensions: 40x5x110 (mm)
> With slotted hole
> Hole diameter: 11 mm

Applications



Technical specifications

Product in the online shop

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
SB flat steel 40x5x110 A2 / hole 11 mm	25		3110001000	4061245017600

DEKTITE® Premium 3



Application range

> Ideal for solar installations and PV
> For up to 2 cables Ø 4-8 mm and 1 pipe Ø ≤ 35 mm

Characteristics

> Version EDPM (black)
> Temperature resistance EPDM (black or grey) permanent 50 °C to +115 °C, short-term up to +150 °C
> Temperature resistance silikone (red) permanent 50 °C to +200 °C, short-term up to +250 °C
> 20-year warranty on material

Included in delivery

1 pipe flashing
1 cartridge of EJOPLAST joint sealant
1 self-drilling screw set - optionally folding blind rivet set

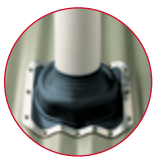
Notice

Use folding blind rivets for fibre cement boards. Profile height max. 45 mm.

Product in the online shop

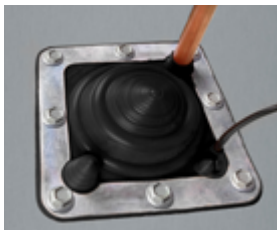
Order description	For pipe diameter [mm]	Base [mm]	Roof pitch [°]	Content Cartridge [ml]	Content Screws [pieces]	PU [pieces]	Price/1 [EUR]	Article number	EAN
DFE 100 BS	0 – 35	100 x 100	0 – 60	80	8	1		8250004704	4061245013633
Order information: All versions also available in grey (EPDM) and red (silicone)									

Further versions available



DEKTITE® Square set
| see Page 175

DEKTITE® Premium 5



Application range

> Ideal for solar installations and PV
> For up to 4 cables Ø 4-8 mm and 1 pipe Ø ≤ 5-55 mm

Characteristics

> Version EDPM (black)
> Temperature resistance EPDM (black or grey) permanent 50 °C to +115 °C, short-term up to +150 °C
> Temperature resistance silikone (red) permanent 50 °C to +200 °C, short-term up to +250 °C
> 20-year warranty on material

Notice

Use folding blind rivets for fibre cement boards. Profile height max. 45 mm.

Included in delivery

1 pipe flashing
1 cartridge of EJOPLAST joint sealant
1 self-drilling screw set - optionally folding blind rivet set

Product in the online shop

Order description	For pipe diameter [mm]	Base [mm]	Roof pitch [°]	Content Cartridge [ml]	Content Screws [pieces]	PU [pieces]	Price/1 [EUR]	Article number	EAN
DFE 101 BS	5 – 55	139 x 139	0 – 60	80	8	1		8250104704	4061245013626
Order information: All versions also available in grey (EPDM) and red (silicone)									

DEKTITE® Premium 12



Application range

> Ideal for PV
> For up to 12 cables Ø 4-8 mm

Characteristics

> Version EDPM (black)
> Temperature resistance EPDM (black or grey) permanent 50 °C to +115 °C, short-term up to +150 °C
> 20-year warranty on material

Notice

Use folding blind rivets for fibre cement boards. Profile height max. 45 mm.

Included in delivery

1 pipe flashing
1 cartridge of EJOPLAST joint sealant
1 self-drilling screw set - optionally folding blind rivet set

Product in the online shop

Order description	Base [mm]	Roof pitch [°]	Content Cartridge [ml]	Content Screws [pieces]	PU [pieces]	Price/1 [EUR]	Article number	EAN
DFE 101 BM	139 x 139	0 – 60	80	8	1		8250000704	4061245013640
Order information: All versions also available in grey (EPDM).								



Flat Roofing

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

www.ejot.com/flat-roofing

Product overview

Self-drilling roof screws

DABO®
(Steel, climadur-coated)
SW8-RT-4.8xL 214
TKR-4.8xL 218
TKR-4-4.8xL 221
VHT-R-4.8xL 222
DABO®
(A4 stainless steel + steel)
SW8-ET-4.8xL 216
TKE-4.8xL 220
VHT-E-4.8xL 223

Concrete screw

Steel, climadur-coated
FBS-R-6.3xL 224
JBS-R 7.5xL 225

Aerated concrete screws

A2 stainless steel
FPS-E-8.0xL 226

Stress plate

Alu-zinc coated steel
HTV-82/40 227
HTV-82/40-TK 229
HTV-82/40-F 230
HTV-40-RU 231
Stainless steel
HTE-82/40 228
Plastics
HTK-S 233
HTK-2G-50xL 234
EcoTek-50xL 235

Flat roof profile

Alu-zinc coated steel
Flat roof profile FP 232

Stress plate combinations

Steel, alu-zinc-coated / steel, climadur-coated
HTV-RU-40 W 236
Plastics / steel, climadur-coated
HTK-2G-M/TKRxL (collated) 237
HTK-2G-TKRxL (loose, pre-assembled) 238
Stress plate JBS-R/EcoTek (loose, pre-turned) 243
HTK-2G-ZTR (loose, pre-assembled) 245
Plastics / A4 stainless steel
HTK-2G-M/TKE (collated) 239
HTK-2G-TKE (loose, pre-assembled) 240

Adapter plate

Plastics
HTK-A 50/75 241

Flat roofing anchor

Plastics / steel, climadur-coated
FDD-Plus- R (steel) 246
Plastics / A2 stainless steel
FDD Plus -E (stainless steel) 248

Technical abbreviations

Abbreviation	Description	Unit
d	Thread outer diameter / nominal diameter	mm
d_0	Nominal drill diameter / drill hole diameter	mm
DC	Drilling capacity	mm
d_{head}	Head diameter	mm
d_{nom}	Effective external diameter	mm
F_{Rk}	Characteristic resistance	kN
h	Component thickness	mm
h_0	Drill hole depth	mm

Abbreviation	Description	Unit
h_D	Total panel thickness	mm
h_{ef}	Effective embedment depth	mm
h_{nom}	Nominal embedment depth	mm
l	Screw length	mm
l_d	Anchor length	mm
l_g	Thread length	mm
l_s	Sleeve length	mm

Flat roof with waterproof membrane (uninsulated or insulated)

Description

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

Design

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

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

Mechanical fastening

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

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

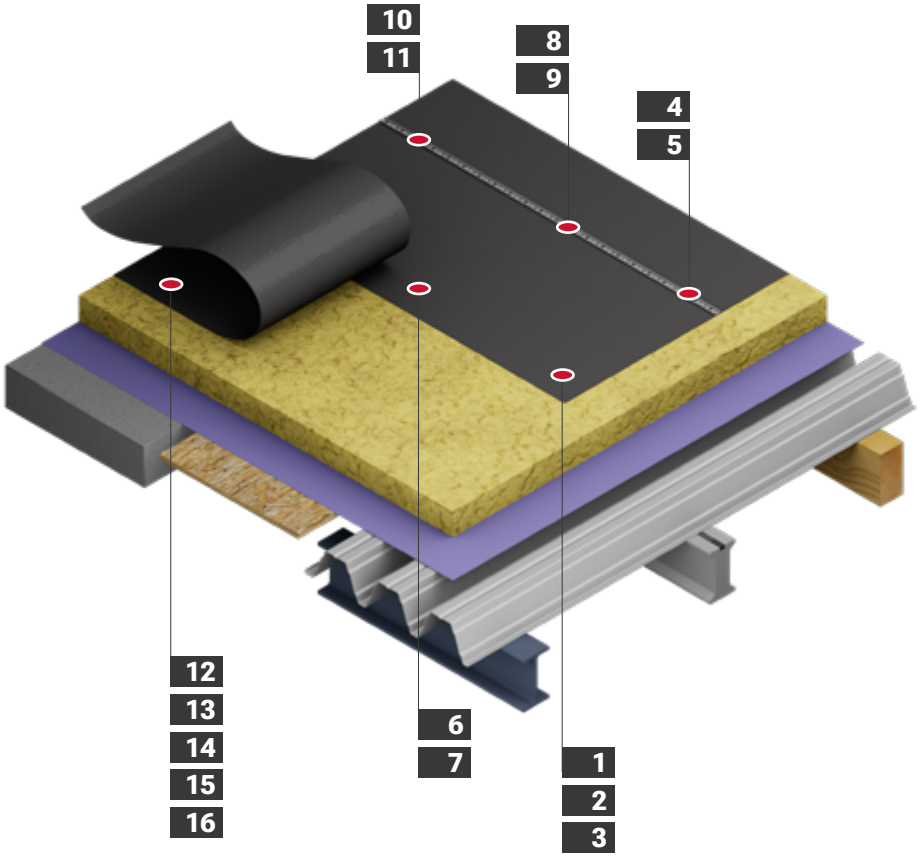
Depending on the flat roof construction and the insulating materials / sealing strips used therein, fasteners with combinations of metal and plastic stress plates are used.

In case of renovations or substrates with unknown load-bearing capacity, on-site pull-out tests must be carried out and recorded according to ETAG 006. Our service team will gladly assist you.
In case of renovations through existing thermally insulated roof constructions, it must be ensured that the intended fasteners are suitable for a multi-layer roof construction and can penetrate it. Combinations with metal stress plates or those with short plastic stress plates are usually suitable for this purpose, and for mineral substrates, flat roof anchors with a slender shank along the entire length. Furthermore, the currently valid flat roof guideline requires the use of stainless steel fasteners for renovations.
| see pages 210 and 211

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

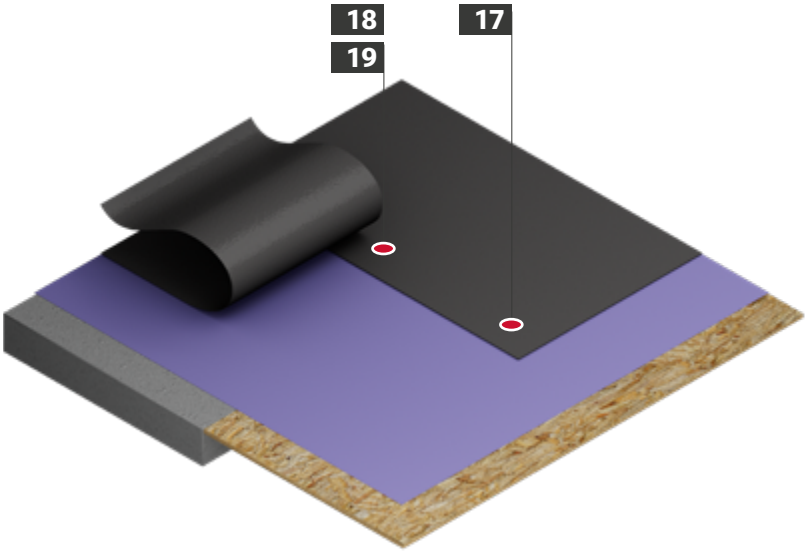
Quantity determination

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



No.	Application	Product	Page
1	Waterproofing membrane with insulation to trapezoidal profile	Dabo® screw TKR-4.8xL + HTK 2GxL	218
2	Waterproofing membrane with insulation to trapezoidal profile	Dabo® screw TKE-4.8xL + HTK 2GxL	220
3	Waterproofing membrane with slope insulation to trapezoidal profile	Stress plate HTK-2G/ZTR	245
4	Waterproofing membrane with insulation to trapezoidal profile	Dabo® screw TKR-4.8xL + HTK-S + flat roof profile FP	218
5	Waterproofing membrane with insulation to trapezoidal profile	Dabo® screw TKE-4.8xL+HTK-S + flat roof profile FP	220
6	Waterproofing membrane with insulation to roof boarding / OSB	Dabo® screw VHT-R-4.8xL + HTK 2GxL	222
7	Waterproofing membrane with insulation to roof boarding / OSB	Dabo® screw VHT-E-4.8xL + HTK 2GxL	223
8	Waterproofing membrane with insulation to roof boarding / OSB	Dabo® screw VHT-R-4.8xL + HTK-S + flat roof profile FP	222

No.	Application	Product	Page
9	Waterproofing membrane with insulation to roof boarding / OSB	Dabo® screw VHT-E-4.8xL + HTK-S + flat roof profile FP	223
10	Waterproofing membrane with insulation to aerated concrete	Aerated concrete screw FPS-E-8.0xL + flat roof profile FP	226
11	Waterproofing membrane with insulation to concrete	Concrete screw FBS-R-6.3xL + flat roof profile FP	224
12	Waterproofing membrane with insulation to concrete	Concrete screw JBS-R-7.5xL + EcoTek 50xL	225
13	Waterproofing membrane with insulation to concrete and lightweight concrete	Flat roofing anchor FDD-Plus-50xL-R	246
14	Waterproofing membrane with insulation to concrete and lightweight concrete	Flat roofing anchor FDD-Plus-50xL-E	248
15	Waterproofing membrane with insulation to concrete	Concrete screw FBS-R-6.3xL + EcoTek 50xL	224
16	Waterproofing membrane with insulation to aerated concrete	Aerated concrete screw FPS-E-8.0xL + EcoTek 50x L	226



No.	Application	Product	Page
17	 Waterproofing membrane to roof boarding / OSB boards	Stress plate HTV-RU-40 W	236
18	 Waterproofing membrane to concrete	Concrete screw FBS-R-6.3xL + HTV 82/40 F	224

No.	Application	Product	Page
19	 Waterproofing membrane to aerated concrete	Gas concrete screw FPS-E-8.0xL + HTV 82/40 F	226

Corrosion protection in flat roofs

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

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

Climadur coating

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

CLIMA DUR

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

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

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

EDELSTAHL Rostfrei STAINLESS STEEL

Resistance to imposed loads on flat roofs

What is resistance to imposed loads?

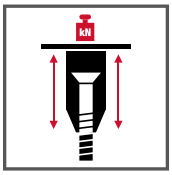
When stepping on the roof surface, damage to the roofing membrane by a protruding screw head is prevented. There are the following options to ensure this resistance to imposed loads:

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

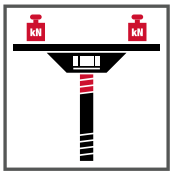
Telescopic effect
Another option to ensure the resistance to imposed loads is the use of fastening elements with telescopic effect. With these combinations, the screw sits deep in the shank of the stress plate, which prevents the screw head from piercing the roofing membrane under a respective load.

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

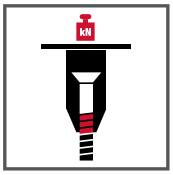
There is another variant of the supporting effect with the metal-plastic combinations, where the self-drilling screw is fixed in the shaft of the plastic stress plate (EcoTek), preventing the stress plate from being pushed down and the screw head from piercing the roofing membrane.



Telescopic effect for resistance to imposed loads



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



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

Compatibility

acc. to ETA-07/0013

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

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

DABO® screw SW8-RT-4.8



Application range

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

Characteristics

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

Length determination (mininum lengths)	
Sheet steel	Total panel thickness + 20 mm
Timber	Total panel thickness + 30 mm

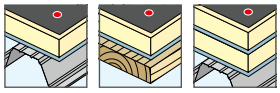




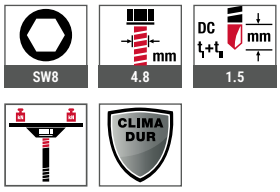
Installation tool ECOSET
Rental equipment available
Article number G000000076

Info see page 31

Applications



Technical specifications



Certifications



Cross references	page
Stress plate HTV 82/40	227
Stress plate HTE 82/40	228
Stress plate HTV 82/40 F	230
Flat roof profile FP	232
Socket wrench insert SW8	442

Compatibility acc. to ETA-07/0013

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

Product in the online shop

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

Product in the online shop

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

DABO® screw SW8 ET-4.8



Application range

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

Characteristics

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

Length determination (mininum lengths)	
Sheet steel	Total panel thickness + 20 mm
Timber	Total panel thickness + 30 mm

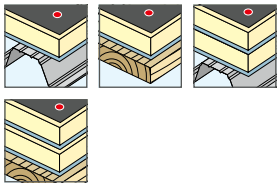




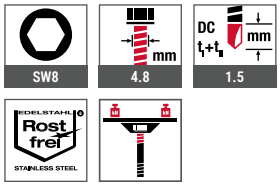
Installation tool ECOSET
Rental equipment available
Article number G000000076

Info see page 31

Applications



Technical specifications



Certifications



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

Cross references	page
Stress plate HTV 82/40	227
Stress plate HTE 82/40	228
Flat roof profile FP	232
Socket wrench insert SW8	426

Compatibility acc. to ETA-07/0013

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

Product in the online shop

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

Product in the online shop

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

DABO® screw TKR-4.8



Application range

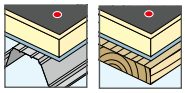
> To fix roofing membranes and insulating material to substructures made of sheet steel ≥ 0.70 mm ≤ 1.5 mm, timber or wood-based material
> For combination with stress plates
> For new buildings

Characteristics

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

Length determination (mininum lengths)	
Sheet steel	Total panel thickness + 20 mm
Timber	Total panel thickness + 30 mm

Applications



Technical specifications





Certifications





Cross references	page
Stress plate HTV 82/40 TK	229
Stress plate HTV 82/40 F	230
Stress plate HTV 40 RU	231
Flat roof profile FP	232
Stress plate HTK-S	233
Stress plate HTK-2G 50	234
Stress plate EcoTek 50	235
Bit cross recess	438



Installation tool ECOSET
Rental equipment available
Article number G000000076

Info see page 31



Installation tool ECOset HTK
Rental equipment available
Article number G000000072

Info see page 31

Assembly instruction



Compatibility acc. to ETA-07/0013	HTV 82/40	HTE 82/40	HTV 82/40 TK	HTV 82/40 F	HTV 40 RU	HTK 2G 50xL	HTK 2G 75xL	EcoTek 50	HTK-S	Flat roof profile FP
TKR-4.8			•	•	•	•	•	•	•	•

Product in the online shop

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

DABO® screw TKE-4.8



Application range

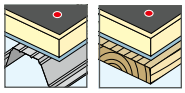
> To fix roofing membranes and insulating material to substructures made of sheet steel ≥ 0.70 mm ≤ 1.5 mm, timber or wood-based material
> For new buildings and renovations
> For combination with stress plates

Characteristics

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

Length determination (mininum lengths)	
Sheet steel	Total panel thickness + 20 mm
Timber	Total panel thickness + 30 mm

Applications



Technical specifications



Certifications





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

Cross references	page
Stress plate HTV 82/40 TK	229
Stress plate HTV 82/40 F	230
Stress plate HTV 40 RU	231
Flat roof profile FP	232
Stress plate HTK-S	233
Stress plate HTK-2G 50	234
Stress plate EcoTek 50	235
Bit cross recess	438

Assembly instruction

Product in the online shop



Installation tool ECOSET
Rental equipment available
Article number G000000076

Info see page 31



Installation tool ECOset HTK
Rental equipment available
Article number G000000072

Info see page 31

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

Compatibility acc. to ETA-07/0013

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

DABO® screw TKR-4-4.8



Application range

> To secure roofing membrane and insulating material to sheet steel substructures ≥ 1.5 mm ≤ 4.0 mm
> For combination with stress plates
> For new buildings

Characteristics

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

Length determination (mininum lengths)	
Sheet steel	Total panel thickness + 20 mm
Timber	Total panel thickness + 30 mm

Applications



Technical specifications





Certifications



Cross references	page
Stress plate HTV 82/40 TK	229
Stress plate HTV 82/40 F	230
Stress plate HTV 40 RU	231
Flat roof profile FP	232
Stress plate HTK-S	233
Stress plate HTK-2G 50	234
Stress plate EcoTek 50	235
Bit cross recess	438



Installation tool ECOSET
Rental equipment available
Article number G000000076

Info see page 31



Installation tool ECOset HTK
Rental equipment available
Article number G000000072

Info see page 31

Assembly instruction



Product in the online shop



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

Compatibility acc. to ETA-07/0013

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

DABO® screw VHT-R-4.8



Application range

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

Characteristics

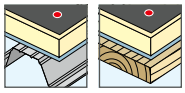
> Case-hardened steel
> With bugle head
> High-coating to improve the corrosion protection (15 Kesternich cycles, DIN 50018)
> Can be delivered belted for installation tool EOCSET or pre-assembled with stress plate HTK-2G for installation tool ECOSET HTK.

Notice

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

Length determination (mininum lengths)	
Sheet steel	Total panel thickness + 20 mm
Timber	Total panel thickness + 30 mm

Applications



Technical specifications





Certifications





Installation tools
Rental equipment available

Info see page 31

Cross references	page
Stress plate HTV 82/40 TK	229
Stress plate HTV 82/40 F	230
Stress plate HTV 40 RU	231
Flat roof profile FP	232
Stress plate HTK-S	233
Stress plate HTK-2G 50	234
Stress plate EcoTek 50	235
Bit cross recess	438

Assembly instruction

Product in the online shop

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

Compatibility acc. to ETA-07/0013

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

DABO® screw VHT-E-4.8



Application range

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

Characteristics

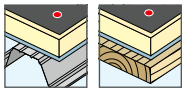
- A4 stainless steel with hardened steel point
- Can be delivered belted for EOCSET or pre-assembled and belted with stress plate HTK-2G for installation tool ECOSET HTK
- With bugle head

Notice

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

Length determination (mininum lengths)	
Sheet steel	Total panel thickness + 20 mm
Timber	Total panel thickness + 30 mm

Applications



Technical specifications





Certifications



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

Assembly instruction



Product in the online shop



Cross references	page
Stress plate HTV 82/40 TK	229
Stress plate HTV 82/40 F	230
Stress plate HTV 40 RU	231
Flat roof profile FP	232
Stress plate HTK-S	233
Stress plate HTK-2G 50	234
Stress plate EcoTek 50	235
Bit cross recess	438



Installation tool ECOSET
Rental equipment available
Article number G000000076

Info see page 31



Installation tool ECOset HTK
Rental equipment available
Article number G000000072

Info see page 31

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

Compatibility acc. to ETA-07/0013	HTV 82/40	HTE 82/40	HTV 82/40 TK	HTV 82/40 F	HTV 40 RU	HTK 2G 50xL	HTK 2G 75xL	EcoTek 50	HTK-S	Flat roof profile FP
VHT-E-4.8			•	•	•	•	•	•	•	•

Concrete screws FBS-R-6.3



Application range

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

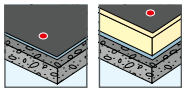
Characteristics

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

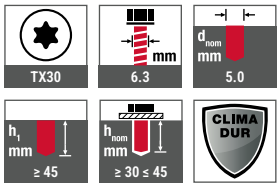
Possible combinations with EcoTek total panel thickness [mm]

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

Applications

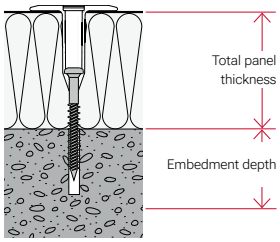


Technical specifications



Certifications





Cross references	page
Stress plate HTV82/40 F	230
Stress plate HTV 40 RU	231
Flat roof profile FP	232
Stress plate EcoTek 50	235
Hammer drill SDS-plus	434
Bit hexalobular TX30	439
Bit extension	440

Assembly instruction

Product in the online shop

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

Further lengths on request

Compatibility acc. to ETA-07/0013

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

Concrete screw JBS-R-7.5



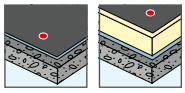
Application range

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

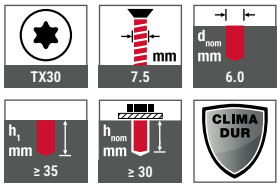
Characteristics

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

Applications



Technical specifications



Certifications

ETA-07/0013

EPD

Assembly instruction

Product in the online shop

Cross references	page
Stress plate EcoTek 50	235
Hammer drill SDS-plus	434
Bit hexalobular TX30	439
Bit extension	440

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

Compatibility acc. to ETA-07/0013

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

Gas concrete screw FPS-E-8.0



Application range

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

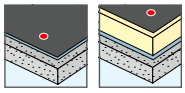
Characteristics

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

Notice

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

Applications



Technical specifications





Certifications



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

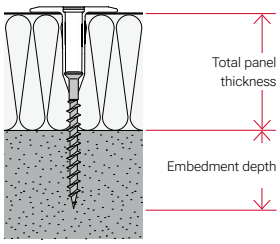
Cross references	page
Stress plate HTV 82/40F	230
Stress plate HTV 40 RU	231
Flat roof profile FP	232
Stress plate EcoTek 50	235
Bit hexalobular TX30	439
Bit extension	440

Assembly instruction

Product in the online shop

Possible combinations with EcoTek
Total panel thickness [mm]

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



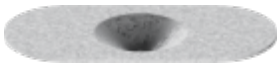
Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
FPS-E-8.0x80	80	100		5580080310	4061245011981
FPS-E-8.0x100	100	100		5580100310	4061245011974
FPS-E-8.0x120	120	100		5580120310	4061245011967
FPS-E-8.0x140	140	100		5580140310	4061245011950
FPS-E-8.0x160	160	100		5580160310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

Further lengths on request

Compatibility acc. to ETA-07/0013

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

Stress plate HTV-82/40



Cross references	page
DABO® SW8-RT-4.8	210
DABO® SW8-ET-4.8	212

Application range

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

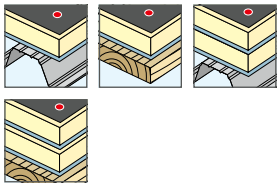
Characteristics

> Alu-zinc-coated steel

Notice

For combination with EJOT DABO® screws.

Applications



Certifications

ETA-07/0013



Installation tool ECOSET
Rental equipment available
Article number G000000076

Info see page 31



In a functional plastic box

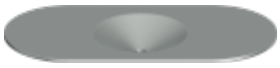
Product in the online shop

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

Compatibility acc. to ETA-07/0013

	SW 8 RT-4.8	SW 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	VHT-R-4.8	VHT-E-4.8	JT2-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	•	•													

Stress plate HTE-82/40



Cross references	page
DABO® SW8-RT-4.8	214
DABO® SW8-ET-4.8	216

Application range

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

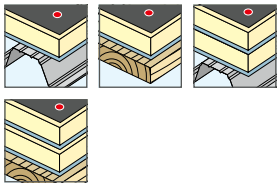
Characteristics

- Stainless steel

Notice

For combination with EJOT DABO® screws.

Applications



Technical specifications

Rostfrei – Edelstahl – Stainless Steel

Certifications

ETA-07/0013 · EPD · FM Approved



Installation tool ECOSET
Rental equipment available
Article number G000000076

Info see page 31



In a functional plastic box

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

Product in the online shop

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

Compatibility acc. to ETA-07/0013

	SW 8 RT-4.8	SW 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	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
HTE 82/40	•	•													

Stress plate HTV-82/40 TK



Cross references	page
DABO® SW8-RT-4.8	214
DABO® SW8-ET-4.8	216
DABO® TKR-4-4.8	221
DABO® VHT-R-4.8	222
DABO® VHT-E-4.8	223

Application range

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

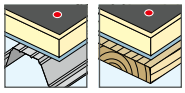
Characteristics

> Alu-zinc-coated steel

Notice

For combination with EJOT DABO® screws.

Applications



Certifications

ETA-07/0013

Product in the online shop



Installation tool ECOSET
Rental equipment available
Article number G000000076

Info see page 31



In a functional plastic box

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

Compatibility acc. to ETA-07/0013

	SW 8 RT-4.8	SW 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	VHT-R-4.8	VHT-E-4.8	JT2-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			•	•	•	•	•								

Stress plate HTV-82/40 F



Cross references	page
DABO® SW8-RT-4.8	214
DABO® TKR-4.8	218
DABO® TKE-4.8	220
DABO® TKR-4-4.8	221
DABO® VHT-R-4.8	222
DABO® VHT-E-4.8	223
Concrete screw FBS-R	224
Aerated concrete screw FPS-E	226

Application range

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

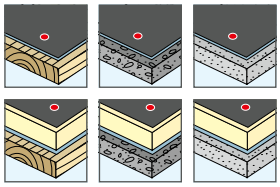
Characteristics

> Alu-zinc-coated steel

Notice

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

Applications



Certifications

ETA-07/0013 · EPD · FM APPROVED

Product in the online shop

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

Compatibility acc. to ETA-07/0013

	SW 8 RT-4.8	SW 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	VHT-R-4.8	VHT-E-4.8	JT2-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	•	•	•	•	•	•	•	•	•	•	•	•	•		

Stress plate HTV-40 RU



Cross references	page
DABO® TKR-4.8	218
DABO® TKE-4.8	220
DABO® TKR-4-4.8	221
DABO® VHT-R-4.8	222
DABO® VHT-E-4.8	223
Concrete screw FBS-R	224
Aerated concrete screw FPS-E	226

Application range

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

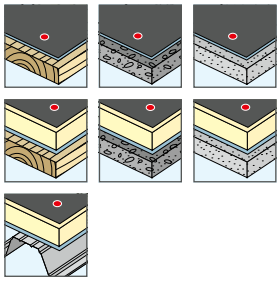
Characteristics

> Alu-zinc-coated steel

Notice

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

Applications



Certifications

ETA-07/0013

Product in the online shop

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

Compatibility acc. to ETA-07/0013

	SW 8 RT-4.8	SW 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	VHT-R-4.8	VHT-E-4.8	JT2-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 40 RU			•	•	•	•	•	•	•	•	•		•		

Flat roof profile FP



Cross references	page
Self-drilling screw JT2-ST-2-6.0	95
Self-drilling screw JT3-ST-2-6.0	124
DABO® SW8-RT-4.8	214
DABO® SW8-ET-4.8	216
DABO® TKR-4.8	218
DABO® TKE-4.8	220
DABO® TKR-4-4.8	221
DABO® VHT-R-4.8	222
DABO® VHT-E-4.8	223
Concrete screw FBS-R	224
Aerated concrete screw FPS-E	226
Stress plate HTK-S	233
Universal anchor SDF-S-10H-E	326
Universal anchor SDP-S-10G-E	333

Application range

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

Characteristics

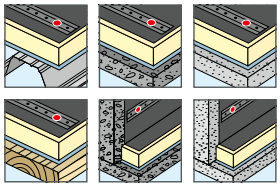
> Alu-zinc-coated steel
> Metal rail fastening system
> Easy processing
> 3 different hole diameters combined in one profile
> Flexible application possibilities

Notice

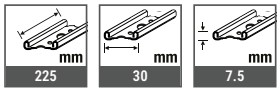
For combination with EJOT DABO® screws, stess plate HTK-S, concrete and aerated concrete screws and self-drilling screws. For combination with facade anchors according to ETA-10/0305.

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

Applications

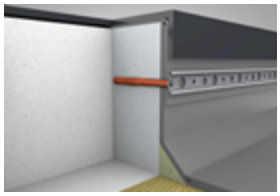


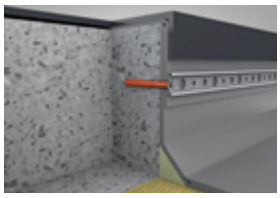
Technical specifications



Certifications

ETA-07/0013





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

Product in the online shop

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

Compatibility acc. to ETA-07/0013

	SW 8 RT-4.8	SW 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	VHT-R-4.8	VHT-E-4.8	JT2-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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Stress plate HTK-S



Application range

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

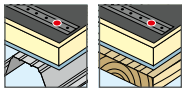
Characteristics

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

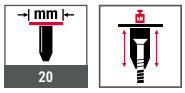
Notice

For combination with EJOT DABO® screws

Applications



Technical specifications



Certifications



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

Product in the online shop



Cross references	page
DABO® TKR-4.8	218
DABO® TKE-4.8	220
DABO® TKR-4-4.8	221
DABO® VHT-R-4.8	222
DABO® VHT-E-4.8	223
Bit extension with spring pin	440
Hip belt flat roof	451

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

Compatibility acc. to ETA-07/0013

	SW 8 RT-4.8	SW 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	VHT-R-4.8	VHT-E-4.8	JT2-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			•	•	•	•	•								

Stress plate HTK-2G 50



Cross references	page
DABO® TKR-4.8	218
DABO® TKE-4.8	220
DABO® TKR-4-4.8	221
DABO® VHT-R-4.8	222
DABO® VHT-E-4.8	223
Bit extension with spring pin	440
Hip belt flat roof	451

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

Assembly instruction

Product in the online shop

Application range

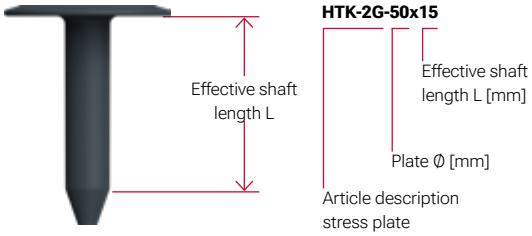
- To fix roofing membranes and insulating material to substructures made of trapezoidal steel profiles, timber and wood-based materials
- For new buildings and renovations
- For special requirements of resistance to imposed loads
- To reduce thermal bridges
- For installation with ECOSET HTK tools (length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

Characteristics

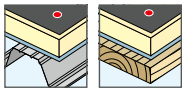
- High-plastic material
- Telescope design for resistance to imposed loads
- For total construction heights up to 605 mm
- Available loosely pre-assembled or collated

Notice

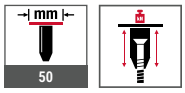
For combination with EJOT DABO® screws



Applications



Technical specifications



Certifications

ETA-07/0013



Installation tool ECOset HTK
Rental equipment available
Article number G000000072

Info see page 31

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

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

Compatibility acc. to ETA-07/0013

	SW 8 RT-4.8	SW 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	VHT-R-4.8	VHT-E-4.8	JT2-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			•	•	•	•	•								

Stress plate EcoTek 50



Cross references	page
Self-drilling screw JT2-ST-2-6.0	95
Self-drilling screw JT3-ST-2-6.0	124
DABO® TKR-4.8	218
DABO® TKE-4.8	220
DABO® TKR-4-4.8	221
DABO® VHT-R-4.8	222
DABO® VHT-E-4.8	223
Concrete screw FBS-R	224
Aerated concrete screw FPS-E	226
Bit extension with spring pin	441

Application range

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

Characteristics

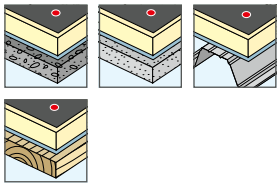
> High-plastic material
> Telescope design for resistance to imposed loads (even with soft insulating materials)
> For total panel thicknesses up to 590 mm (with FBS-R and JBS-R) and up to 605 mm (with TKR)

Notice

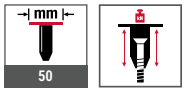
Compatible with EJOT DABO® screws / with concrete and aerated concrete screws



Applications



Technical specifications



Certifications

ETA-07/0013

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

Assembly instruction

Product in the online shop

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

Compatibility acc. to ETA-07/0013

	SW 8 RT-4.8	SW 8 ET-4.8	TKR-4.8	TKE-4.8	TKR-4-4.8	VHT-R-4.8	VHT-E-4.8	JT2-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
EcoTek 50			•	•	•	•	•	•		•	•	•	•		

Stress plate HTV-RU-40 W



Cross references	page
Magnet bracket HTV RU	450
Hip belt flat roof	451

Application range

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

Characteristics

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



In a functional plastic box

Applications



Technical specifications



Certifications



Product in the online shop

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

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



Cross references	page
DABO® TKR-4.8	218
DABO® TKE-4.8	220
DABO® TKR-4-4.8	221
DABO® VHT-R-4.8	222
DABO® VHT-E-4.8	223
Stress plate HTK-2G 50	234



Installation tool ECOset HTK
Rental equipment available
Article number G000000072

Info see page 31

Application range

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

Characteristics

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

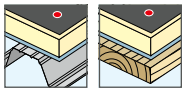
Notice

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

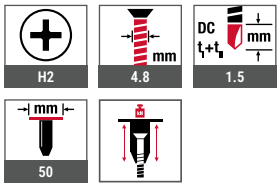
HTK-2G-M/TKR-60-35/50

- Length DABO® screw [mm]
- Effective shaft length HTK 2G [mm]
- Max. fastening thickness to steel [mm]
- Article description DABO® screw
- Collated
- Article description stress plate

Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

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

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

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



Cross references	page
DABO® TKR-4.8	218
Stress plate HTK-2G 50	234
Bit cross recess	438
Bit extension with spring pin	440
Hip belt flat roof	451

Assembly instruction

Product video

Product in the online shop

Application range

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

Characteristics

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

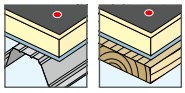
Notice

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

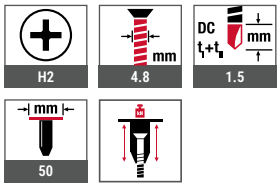
HTK-2G-TKR-60-35/50

- Length DABO® screw [mm]
- Effective shaft length HTK 2G [mm]
- Max. fastening thickness to steel [mm]
- Article description DABO® screw
- Article description stress plate

Applications

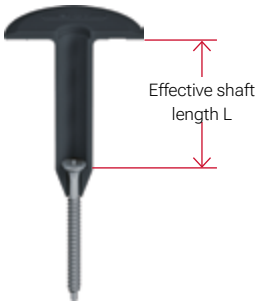


Technical specifications



Certifications





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

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

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



Cross references	page
DABO® TKR-4.8	218
DABO® TKE-4.8	220
DABO® TKR-4-4.8	221
DABO® VHT-R-4.8	222
DABO® VHT-E-4.8	223
Stress plate HTK-2G 50	234



Installation tool ECOset HTK
Rental equipment available
Article number G000000072

Info see page 31

Application range

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

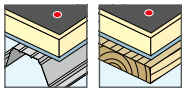
Characteristics

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

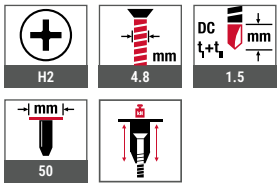
HTK-2G-M/TKE-60-35/50

- Length DABO® screw [mm]
- Effective shaft length HTK 2G [mm]
- Max. fastening thickness to steel [mm]
- Article description DABO® screw
- Collated
- Article description stress plate

Applications



Technical specifications



Certifications



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

Product in the online shop

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

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

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



Application range

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

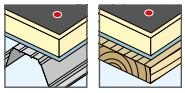
Characteristics

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

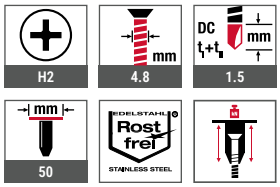
HTK-2G-TKE-60-35/50

- Length DABO® screw [mm]
- Effective shaft length HTK 2G [mm]
- Max. fastening thickness to steel [mm]
- Article description DABO® screw
- Article description stress plate

Applications



Technical specifications



Certifications



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

Cross references	page
DABO® TKR-4.8	218
Stress plate HTK-2G 50	234
Bit cross recess	438
Bit extension with spring pin	440
Hip belt flat roof	451

Assembly instruction

Product in the online shop

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

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

Further lengths upon request

NEW Adapter plate HTK-A 50/75



Cross references	page
Stress plate HTK-2G 50	234
Stress plate EcoTek 50	235
Flat roofing anchor FDD-Plus -R	246
Flat roofing anchor FDD-Plus -E	248

Application range

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

Characteristics

> High-plastic material
> Plate diameter: 75 mm

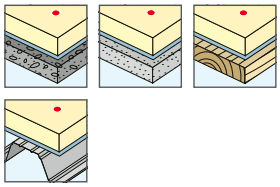
Advantages

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

Notice

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

Applications



Technical specifications



Product video

Product online

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

Stress plate JBS-R/EcoTek

Adjustable fastener for slope insulations on concrete substrates



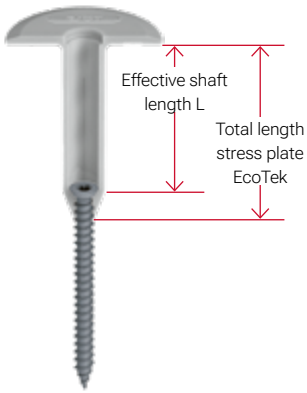
Flat roofs usually have a minimum slope of 2 %, so that rainwater can drain off in a predetermined direction. For a slope insulation, the installer had to use a correspondingly long fastener for each total panel thickness when fixing the roofing membrane. Flat roof fasteners which are adjustable in height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

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

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



Cross references	page
Hammer drill SDS plus®	434
A cone with flange	435
Drill bit extension	436
Starter set JBS-R 100/EcoTek	437
Bit hexalobular TX30	439
Bit extension	440
Complete EcoTek Tool	450
Hip belt flat roof	451



Application range

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

Characteristics

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

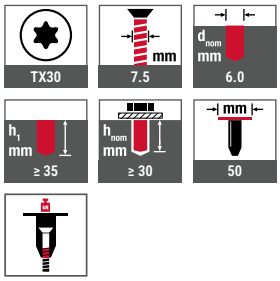
JBS-R/EcoTek-70-100-65/80

- Screw length [mm]
- Total length EcoTek [mm]
- Max. clamping thickness on concrete [mm]
- Min. clamping thickness on concrete [mm]
- Article description stress plate
- Screw description

Applications



Technical specifications



Certifications

ETA-07/0013

Product video

Assembly instruction

Product in the online shop

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

Stress plate HTK-2G/ZTR

Adjustable fastener for slope insulations on metal substructures

EJOT now has the HTK-2G/ZTR in its range especially for the slope insulation of flat roofs with metal substructures. The advantage: The flat roof fastener is adjustable in height. Therefore significantly less article variants are required for fastening the waterproofing membrane, as different total panel thicknesses occur along the slope, which must be taken into account when fastening.



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



Cross references	page
Bit hexalobular TX25-1/4"	439
Hip belt flat roof	451

Application range

> Adjustable fastening element
> To secure roofing membrane and insulating material to sheet steel substructures ≥ 0.70 mm ≤ 1.5 mm
> For new buildings
> Ideal for slope insulation up to 590 mm
> To reduce thermal bridges

Characteristics

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

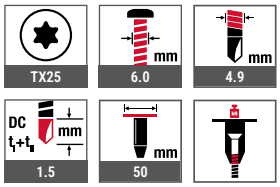
HTK-2G-ZTR-110-185-95/120

- Screw length [mm]
- Effective shaft length HTK -2G [mm]
- Max. clamping thickness [mm]
- Min. clamping thickness [mm]
- Screw description
- Article description stress plate

Applications



Technical specifications



Certifications

ETA-07/0013

Product video

Assembly instruction

Product in the online shop

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

Flat roofing anchor FDD Plus R (steel)



Application range

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

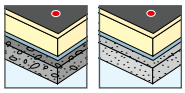
Characteristics

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

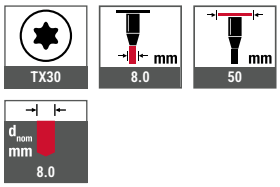
Characteristic values

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

Applications



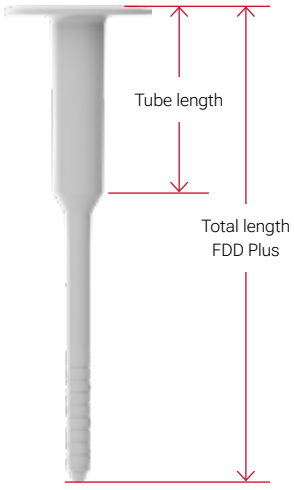
Technical specifications



Certifications



Cross references	page
Hammer drill SDS-plus	434
Bit hexalobular TX30	439
Bit extension	440
Hip belt flat roof	451



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

Assembly instruction

Product in the online shop

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

1) Concrete C12/15; lightweight concrete LC12/13
2) Aerated concrete AAC 3.5-500

Further lengths on request

Flat roofing anchor FDD Plus -E (stainless steel)



Application range

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

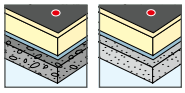
Characteristics

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

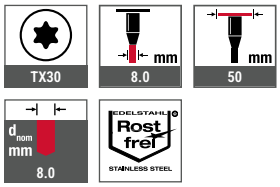
Notice

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

Applications



Technical specifications



Certifications

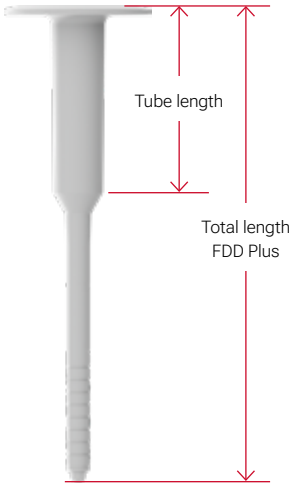


Cross references	page
Hammer drill SDS-plus	434
Bit hexalobular TX30	439
Bit extension	440
Hip belt flat roof	451

Characteristic values

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

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



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

Assembly instruction

Product in the online shop

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

1) Concrete C12/15; lightweight concrete LC12/13
2) Aerated concrete AAC 3.5-500

Further lengths on request

EJOT®

Induction welding system

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





Rainscreen Facades

Complete substructure system with wall consoles,
anchoring solutions, screws and insulation support anchors

www.ejot.com/rainscreen-facades

Product overview

Fastening elements in the substructure

Self-drilling screws

JT6 (A4 stainless steel + steel)

JT6-2/5-5.0xL VARIO 256

JT9 (A4 stainless steel)

JT9-2/5-5.0xL VARIO 256
JT9-3H/5-5.5xL 258
JT9-4-4.8xL 259
JT9-6-5.5xL 260
JT9-S-2-4.8xL 261

Fastening elements for facade claddings

LT fastening system

LT System Classic 262
LT-XT System 266
LT-TD System 270

EJOFAST® self-drilling screws

JF3 (A2 stainless steel + steel)

JF3-LT-2-5.5xL KD12 274
JF3-LT-2-5.5xL KD16 275

Self-drilling screws

JT3 (A2 stainless steel + steel)

JT3-LT-3-5.5xL KD16 276
JT3-LT-TD-3-5.5xL 286

JT4 (A2 stainless steel)

JT4-LT-3-5.5xL KD16 277
JT4-LT-2/6-6.0xL KD16 278
JT4-LT-TD-3-5.5xL 287
JT4-LT-XT-3H/4-5.5xL KD16 282
JT4-LT-XT-3H/6-5.5xL KD16 283
JT4-XT-3/6-6.0xL 290

Centring grommets

Centring grommet F 279
Centring grommet S 280
XT centring grommet F 284
XT centring grommet S 285
TD centring grommet F 288
TD centring grommet S 289

ECORIV® rivets

Blind rivets

AL/E 5.0xL K14 291

Insulation support anchor

Plastics

Set DH 292
Single components DH 293
Plate DH 293
Shaft DH 293
DH-40 (one-part) 294
Installation point for DH 294

Steel

DMH-8xL-V 295
DMT-80-V 296

CROSSFIX®

Substructure System

CROSSFIX® Console A4 307
CROSSFIX® Mouse A4 308
CROSSFIX® Claw A4 308
CROSSFIX® Power key PK A4 309
CROSSFIX® Support profiles 309
Agraffe 311

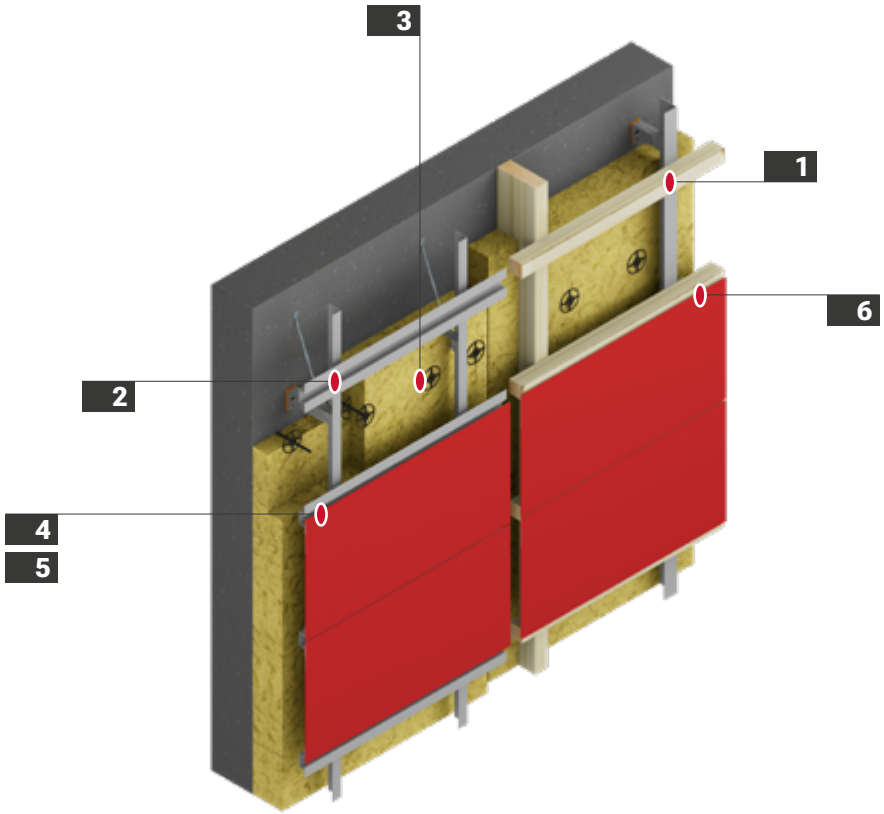
Rainscreen Facades (RVF)

Description
Rainscreen facades are characterised by structurally separated insulation and cladding within the system. A substructure which is fixed to the solid substrate with anchors facilitates a distancing assembly of the cladding, so that a rear-ventilated area between insulation and cladding is created which regulates the humidity of the facade.

Application
Cladding of a rainscreen facade:
> Plaster-base sheeting
> Composite materials
> Tiles
> Fibre-bound panels
> Natural stone
> Timber
> Greening
> Photovoltaics ect.

Advantages
The design possibilities, the multi-functionality and the structural-physical properties are the reasons for the attractiveness of a rainscreen facade.

Notice
Substructures of rainscreen facades consist of various individual elements that need to be securely and effectively anchored with the building as well as connected to each other. A characteristic feature of the rainscreen facade is the formation of fixed and sliding points. Their task is amongst others to allow thermally induced elongation of the different materials without forcing tension. EJOT has special solutions for every application.



No.	Application	Product	Page
1	 Fixing timber to aluminium	Self-drilling screw JT9-S-2-4.8xL	261
2	 Fixing wall bracket (stainless steel/aluminium) with support profile (aluminium)	Self-drilling screw JT9-2/5-5.0 VARIO	256
3	 Insulation fixing	Insulation support anchor DH	292

No.	Application	Product	Page
4	 Facade cladding to aluminium substructure 1.0-2.0 mm	EJOFAST® screw JF3-LT-2-5.5 KD16 + centring grommet	275
5	 Façade cladding to aluminium-/steel substructure1.5-2.5 mm	Self-drilling screw JT3-LT-3-5.5x30 KD16 + centring grommet	276
6	 Facade cladding to timber substructure	Self-drilling screw JT4-LT-2/6-6.0x50 + centring grommet	278

Product key for self-drilling screws

Example	J	T	4	-	LT-XT	-	3	h	-	6	-	5.5	x	25		KD16
EJOT	J															
Screw type																
Self-drilling screw		T														
EJOFAST® self-drilling screw		F														
Self-drilling screw material																
A2 stainless steel with hardened steel point			3													
A4 stainless steel with hardened steel point			6													
A2 stainless steel			4													
A4 stainless steel			9													
Version																
Standard (hexagon)																
Truss head					FR											
Countersunk head					S											
Pan head with hexalobular TX					LT											
Pan head with hexalobular TX and cutting ring					LT-XT											
Pan head with hexalobular TX – thermal decoupled					LT-TD											
max. drillable metal thickness							[mm]									
Free spin zone under screw head								h								
Length non-threaded part										[mm]						
Screw diameter												[mm]				
Screw length														[mm]		
Head diameter 12mm																KD12
Head diameter 16mm																**KD16**

Inherent parts of the order description

Optional parts of the order description

Technical abbreviations

Abbreviation	Description	Unit
DC	Drilling capacity	mm

Self-drilling screw JT6-2/5-5.0 VARIO
Self-drilling screw JT9-2/5-5.0 VARIO



Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442
SW8 VARIO Tool	449

Application range

> To form sliding and fixed points on substructures of rainscreen facades
> Fastening pre-drilled stainless steel or aluminium wall brackets with aluminium support profiles

Properties

> One screw for all part combinations, see chart
> Sliding washer with buffer zone between the screw head and sliding disk prevents excessive clamp load of the joint.
> Consistently low contact pressure prevents stick-slip phenomenon
> No stripping / destruction of the thread in component II resulting in high tensile capacity
> High tensile and transverse load transmission in component II due to fine pitch thread
> Building authority 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 sliding and fixed points
> Fastening with socket wrench insert SW8 with optical installation control / SW8 VARIO Tool / screwdriver with depth stop

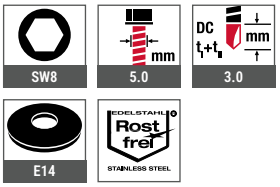
Notice

Component assemblies checked with Rm (component II) ≥ 145 up to 510 N/mm2. For bearing values, please refer to the building authority test certificate (abP) P-BWU02-178006.

Applications



Technical specifications



Certificates



Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT6 made of A4 stainless steel with hardened steel drill point					
JT6-2/5-5.0x30 Vario	30	500		3598077991	4061245014999
JT6-2/5-5.0x30 Vario VE100	30	100		6598077991	4061245021904

Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT9 made of A4 stainless steel					
JT9-2/5-5.0x25 Vario	25	500		3500777490	4061245020686
JT9-2/5-5.0x25 Vario VE100	25	100		6500777490	4061245021508

Checked part combinations

acc. to P-BWU02-178006

NEW

Possible part combinations

Component I [mm]	Component II [mm]	R_m support profile/ Wall bracket
2.0/3.0/4.0/5.0 (aluminium)	1.5	≥ 145 N/mm² (aluminium)
	2.0	
	2.5	
	3.0	
2.0/3.0 (aluminium)	1.5	≥ 190 N/mm² up to 245 N/mm² (aluminium)
	2.0	
	2.5	
	3.0	

Possible part combinations

Component I [mm]	Component II [mm]	R_m support profile/ Wall bracket
1.5 (stainless steel)	1.5	≥ 190 N/mm² up to 245 N/mm² (aluminium)
	2.0	
	2.5	
	3.0	
1.5/2.0/3.0/4.0 (stainless steel)	1.5	≥ 360 N/mm² up to 510 N/mm² (steel)
	2.0	
	2.5	
	3.0	
2.0/2.5/3.0/4.0/5.0 (steel)	2.0	≥ 190 N/mm² up to 245 N/mm² (aluminium)

For details, please refer to the approval P-BWU02-178006.



VARIO screw as a fixed point in the CROSSFIX® system

Self-drilling screw JT9-3H/5-5.5x19



Application range

> To form sliding and fixed points on substructures of rain-screen facades
> Fastening pre-drilled stainless steel or aluminium wall brackets with aluminium support profiles
> For component assemblies from 3.1 – 5.0 mm (component I + component II)

Properties

> A4 stainless steel

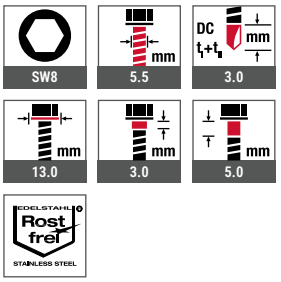
Notice

Component assemblies checked with R_m (component II) ≥ 190, ≥ 215 and ≥ 245 N/mm². For bearing values, please refer to the building authority test certificate (abP) P-BWU02-1980001.

Applications



Technical specifications



Certifications

P-BWU02-1980001

Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Possible part combinations

Component I [mm]	Component II [mm]	R_m support profile/ Wall bracket
1.5 (stainless steel)	1.6	≥ 190 N/mm² (aluminium)
	2.0	
	2.4	
3.0 (aluminium)	1.6	
	2.0	

Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT9-3H/5-5.5x19	19	500		7380540340	4061245014272
JT9-3H/5-5.5x19 VE100	19	100		6380540340	4061245014869

Self-drilling screw JT9-4-4.8



Application range

> Fastening aluminium profiles to aluminium substructures

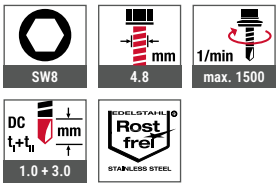
Properties

> A4 stainless steel

Applications



Technical specifications



Certifications



Product in the online shop

Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT9-4-4.8x19	19	0 – 9	1000		7380387340	4061245074108

Self-drilling screw JT9-6-5.5



Application range

> Fastening aluminium profiles to aluminium substructures ≤ 4 mm

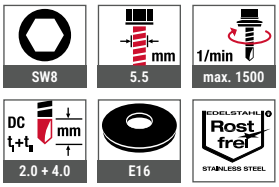
Properties

> A4 stainless steel

Applications



Technical specifications



Certifications



Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW8	442

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT9-6-5.5x22	22	0 – 10	500		7380508341	4061245014333
Sealing washer E 16, Ø 16 mm						
JT9-6-5.5x22-E16	22	0 – 7	500		3502111491	4061245047904

Self-drilling screw JT9-S-2-4.8



Application range

> Fastening timber laths to aluminium substructures ≤ 2 mm

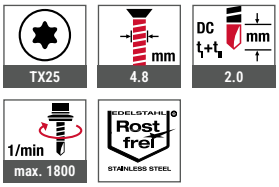
Properties

> A4 stainless steel
> Countersunk head with milling ribs

Applications



Technical specifications



Certifications



Product in the online shop

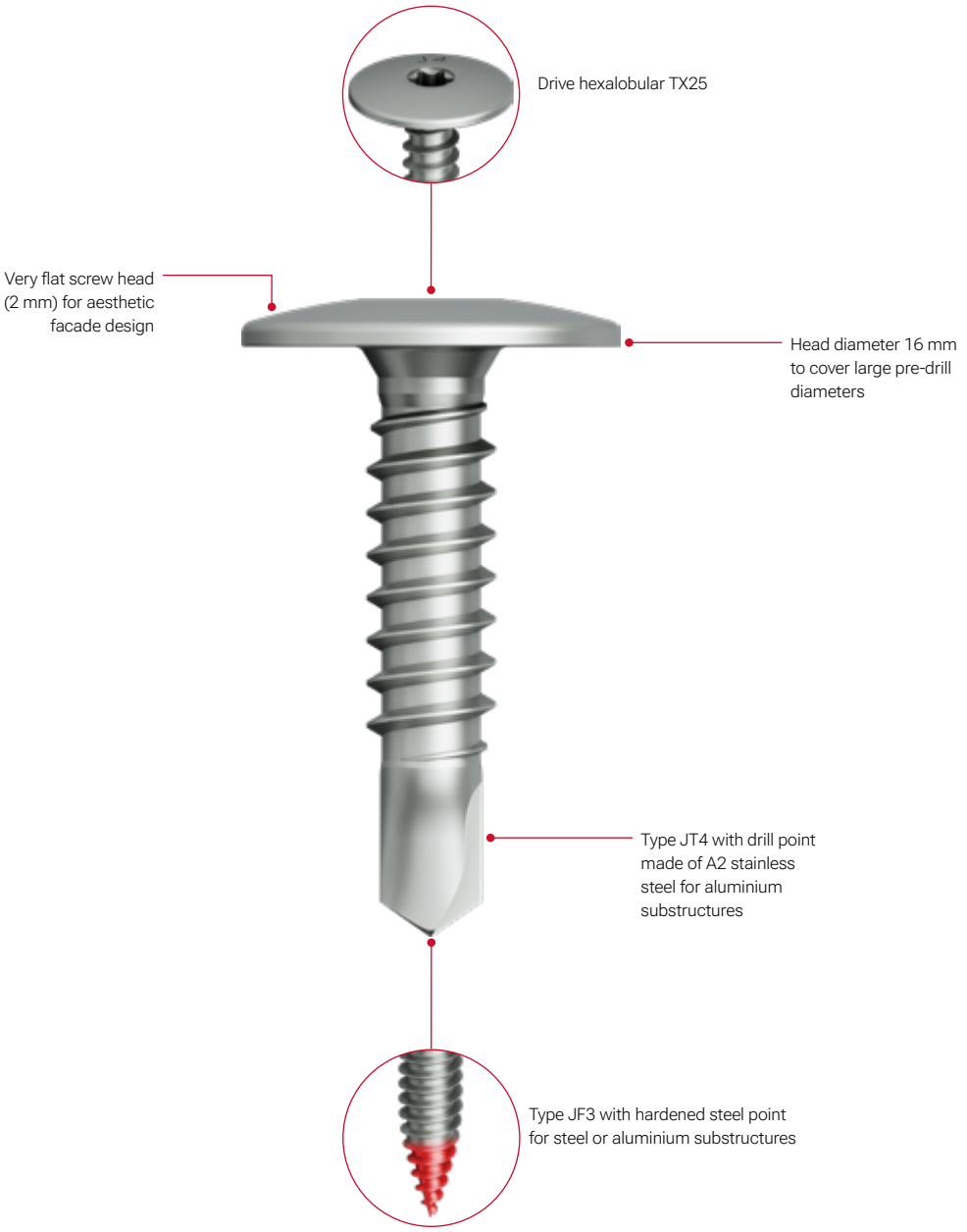
Cross references	page
Cordless screwdriver	
ASCS QSW	422
Bit hexalobular TX25	439
Bit holder	446

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT9-S-2-4.8x38	38	20 – 30	500		7382219340	4061245081915
JT9-S-2-4.8x55	55	30 – 47	500		7382221340	4061245105963

LT System Classic

Forcing tension under control: The LT fastening system with plastic grommets specifically matched to the screws ensures optimum fastening of the facade claddings.

The LT screws can be combined with suitable centring grommets - adapted to every application. Completely removable for an unmixed separation of the used materials.

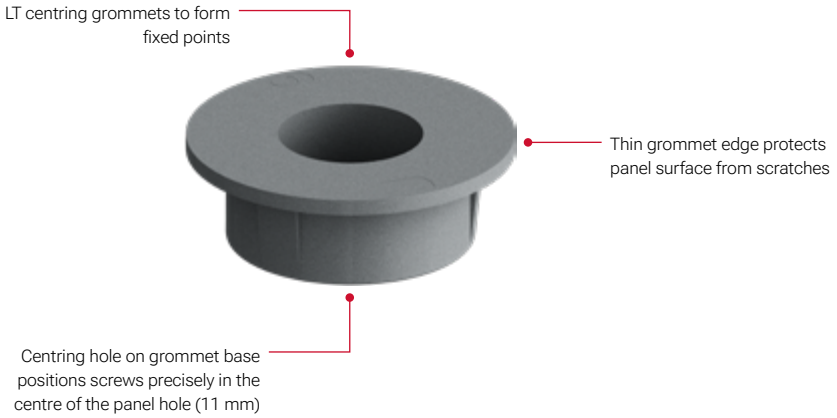


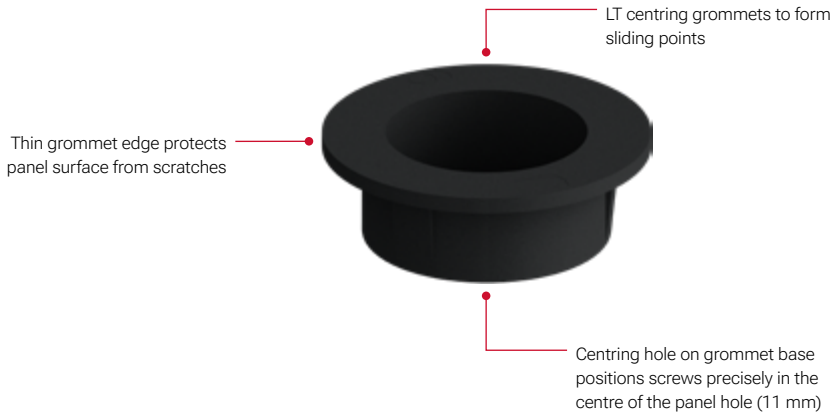


Detail view of fixed point for LT System



Detail view of sliding point for LT System







Video LT System Classic

LT System Classic selection aid

			
Screw type	**JT4-LT-3-5.5x25 KD16**	**JT4-LT-3-5.5x25 KD16**	**JT4-LT-3-5.5x25 KD16**
Material	A2 stainless steel	A2 stainless steel	A2 stainless steel
Application	In agreement with cladding manufacturer	In agreement with cladding manufacturer	In agreement with cladding manufacturer
Approval by cladding manufacturer	Z-14.4-851 PURICELLI	Z-14.4-851 PURICELLI	Z-14.4-851 PURICELLI
Strip-proof	No[1)]	No[1)]	No[1)]
Substructure	Aluminium	Aluminium	Aluminium
Drilling capacity (t_I pre-drilled) [mm]	3.0	3.0	3.0
Clamping thickness t_{fix} [mm]	4.0	6.0	8.0
EJOT proof of usability	–	–	–
			
LT grommet for fixed points (F)	Centring grommet Ø11/4 F	Centring grommet Ø11/6 F	Centring grommet Ø11/8 F
			
LT grommet for sliding points (S)	Centring grommet Ø11/4 S	Centring grommet Ø11/6 S	Centring grommet Ø11/8 S

[1)] Screws without free spin zone must be loosened by a quarter turn after connecting surface in order to ensure reliable sliding.



JF3- LT-2-5.5x30 KD16	JF3- LT-2-5.5x30 KD16	JF3- LT-2-5.5x30 KD16	JT4- LT-2/6-6x50 KD16	JT4- LT-2/6-6x50 KD16	JT4- LT-2/6-6x50 KD16
A2 stainless steel with hardened steel point	A2 stainless steel with hardened steel point	A2 stainless steel with hardened steel point	A2 stainless steel	A2 stainless steel	A2 stainless steel
In agreement with cladding manufacturer	In agreement with cladding manufacturer	In agreement with cladding manufacturer	In agreement with cladding manufacturer	In agreement with cladding manufacturer	In agreement with cladding manufacturer
–	–	–	Z-14.4-851 PURICELLI	Z-14.4-851 PURICELLI	Z-14.4-851 PURICELLI
No[1)]	No[1)]	No[1)]	No[1)]	No[1)]	No[1)]
Steel / Aluminium	Steel / Aluminium	Steel / Aluminium	Timber / Aluminium	Timber / Aluminium	Timber / Aluminium
3.0	3.0	3.0	1.5 – 2.0	1.5 – 2.0	1.5 – 2.0
4.0	6.0	8.0	4.0	6.0	8.0
ETA-10/0200 Z-14.4-901	ETA-10/0200 Z-14.4-901	ETA-10/0200 Z-14.4-901	ETA-10/0200	ETA-10/0200	ETA-10/0200



Centring grommet Ø11/4 F	Centring grommet Ø11/6 F	Centring grommet Ø11/8 F	Centring grommet Ø11/4 F	Centring grommet Ø11/6 F	Centring grommet Ø11/8 F

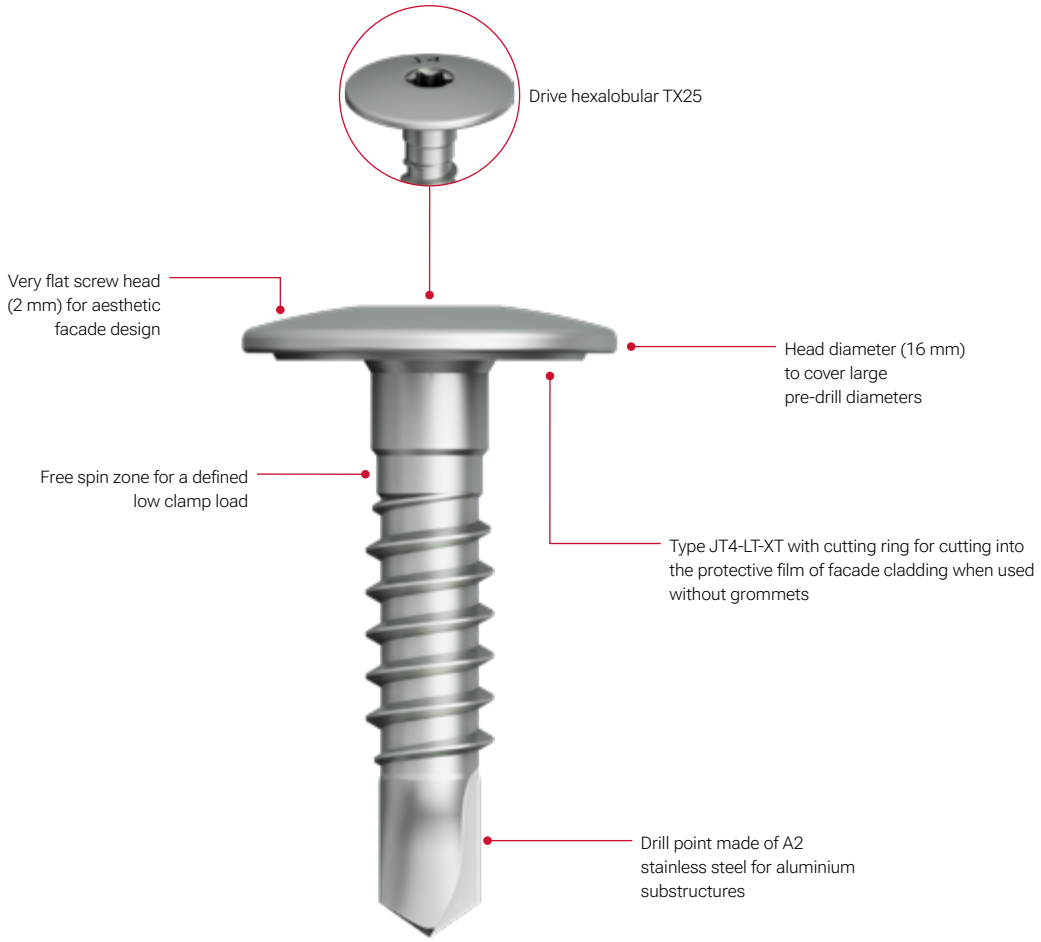


Centring grommet Ø11/4 S	Centring grommet Ø11/6 S	Centring grommet Ø11/8 S	Centring grommet Ø11/4 S	Centring grommet Ø11/6 S	Centring grommet Ø11/8 S

LT-XT System

Facade claddings with delicate surfaces, such as aluminium composite panels, are usually covered with special protective films to protect the surfaces from dirt and scratches during transport and installation.

For this type of facade cladding, EJOT has developed the LT-XT System, with which the protective films can be cut in a circle along the screws using a cutting ring and then removed from the panel surface without leaving any residue.

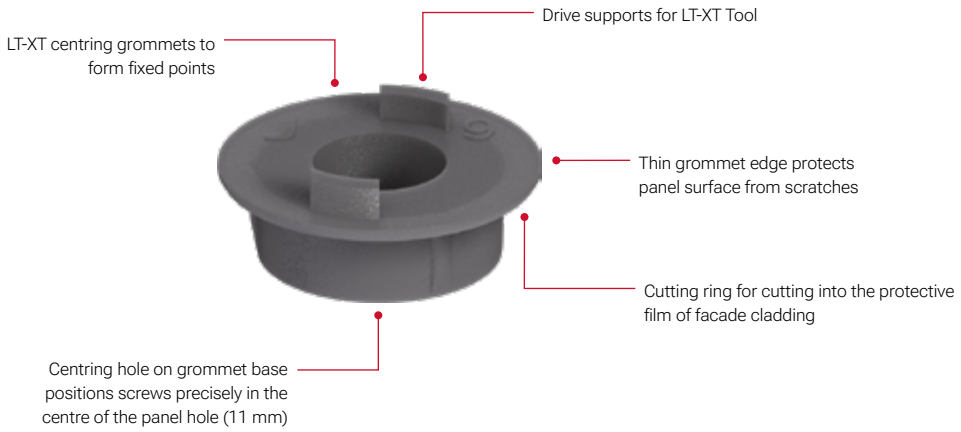


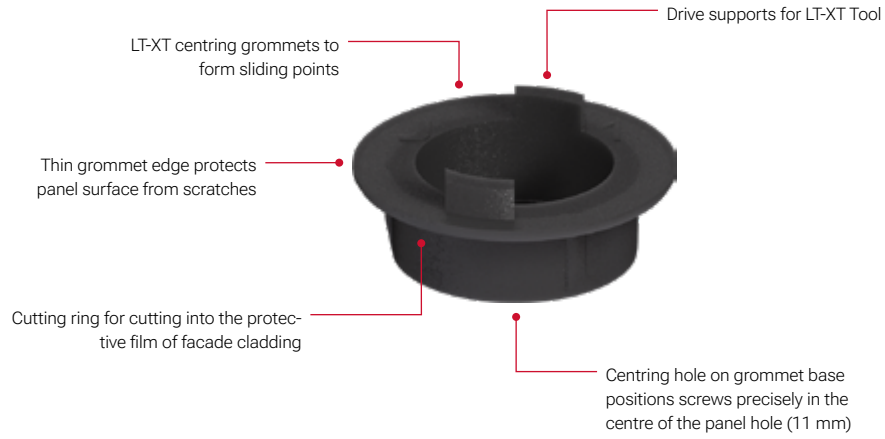


Detail view of fixed point for LT-XT System



Detail view of sliding point for LT-XT System







Video LT-XT System

LT-XT System selection aid





Screw type	JT4- LT-XT-3H/6-5.5x25 KD16	JT4- LT-2/6-6x50 KD16
Material	A2 stainless steel with hardened steel drill point	A2 stainless steel
Application	All common facade claddings	All common facade claddings
Approval by cladding manufacturer	Z-10.3-701 Mitsubishi Z-10.3-774 3A composites	–
Strip-proof	Yes	No[1)]
Substructure	Aluminium	Timber / Aluminium
Drilling capacity (t_I pre-drilled) [mm]	3.0	1.5 – 2.0
Clamping thickness t_{fix} [mm]	6.0	8.0
EJOT proof of usability	P-S 18 0447	ETA-10/0200
LT-XT grommet for fixed points (F)	 Centring grommet XT Ø11/4 F	 Centring grommet XT Ø11/4 F
LT-XT grommet for sliding points (S)	 Centring grommet XT Ø11/4 S	 Centring grommet XT Ø11/4 S

[1)] Screws without free spin zone must be loosened by a quarter turn after connecting surface in order to ensure reliable sliding.

Installation process LT-XT System



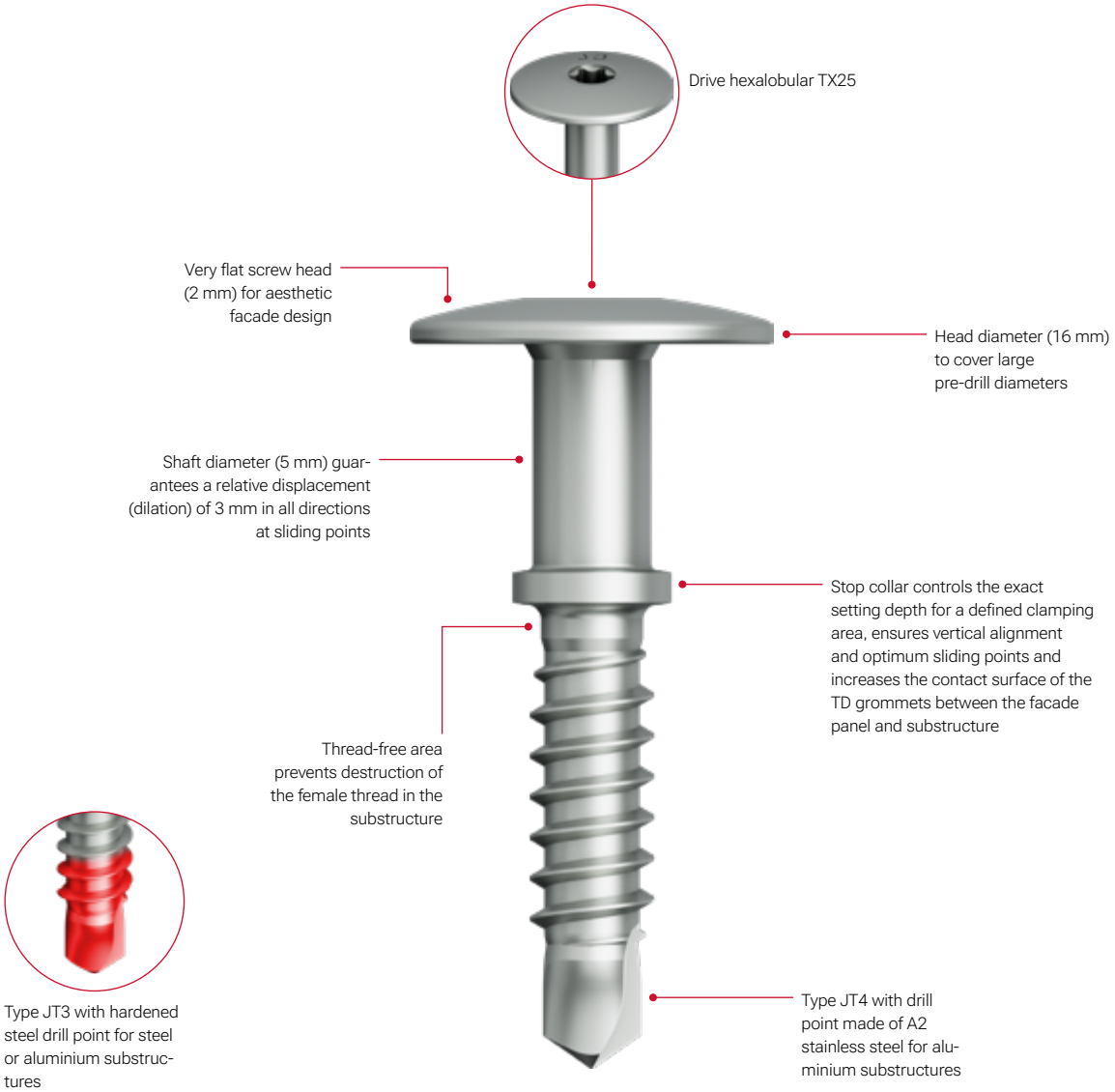




LT-TD System

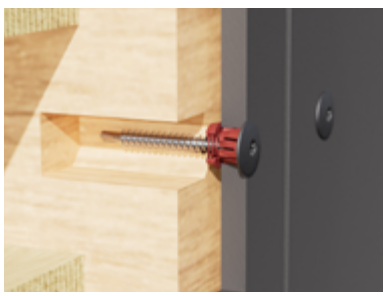
With the LT-TD System, EJOT has revolutionised the visible fastening of rainscreen facade cladding: TD (thermal distance) means thermal decoupling by creating a 3.0 millimetre air gap between the facade cladding and the substructure.

This additional rear ventilation within the rainscreen facade interrupts the heat flow from the inside of the building to the panel surface and ensures that the facade dries evenly. The result is a durable, attractive facade without marking of the substructure.




The JT4 with drill point made of A2 stainless steel for aluminium substructures


Type JT3 with hardened steel drill point for steel or aluminium substructures

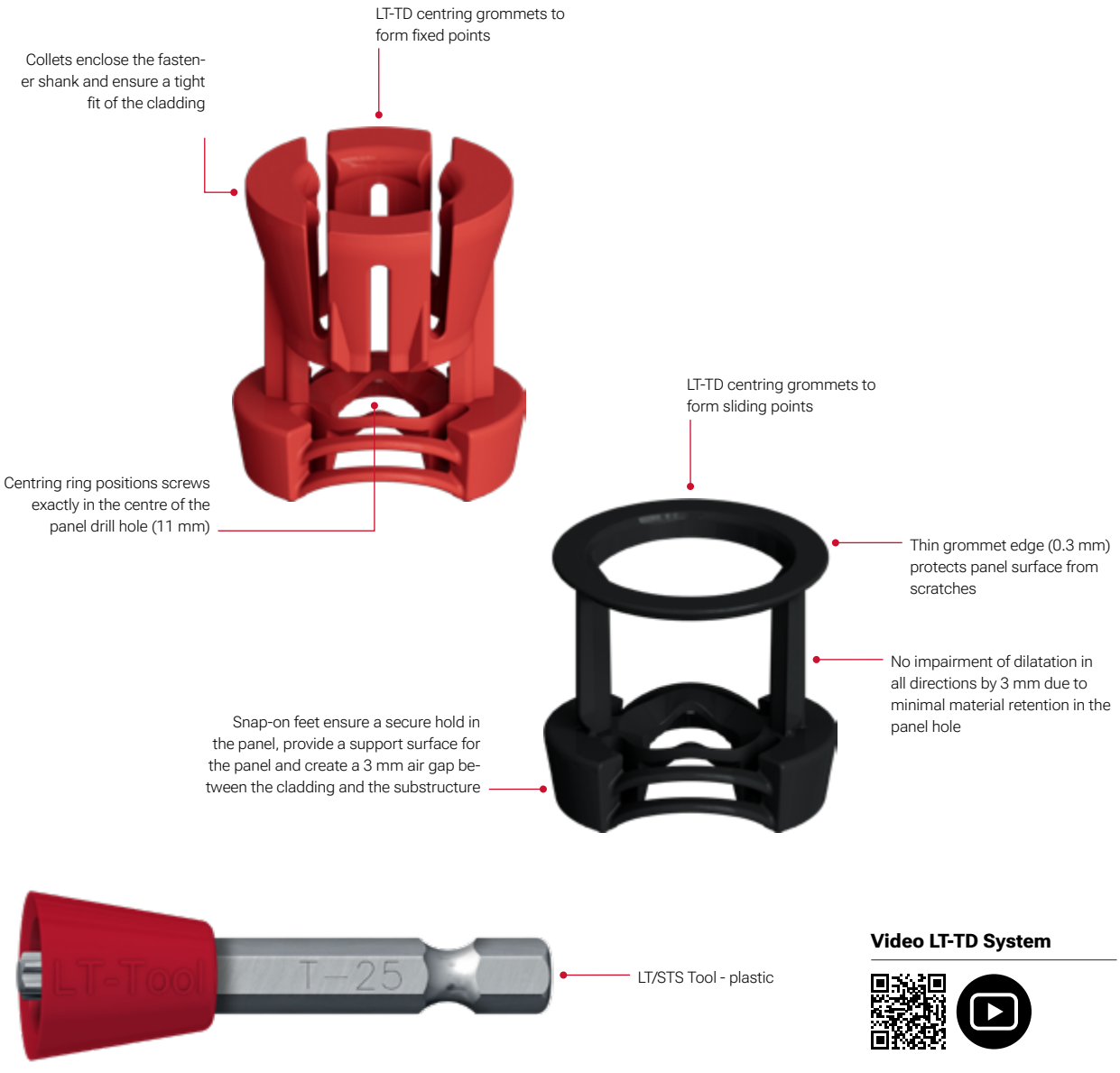

Type JT4-LT-2/6-6.0x50 with drill point made of A2 stainless steel for timber substructures



Detail view of fixed point for LT-TD System



Detail view of sliding point for LT-TD System



Video LT-TD System

LT-TD System selection aid

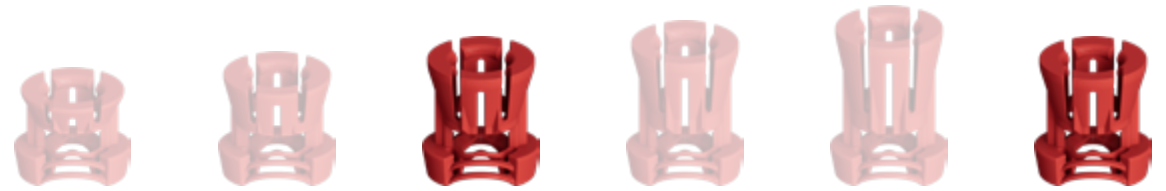


Screw type	JT4- LT-TD-3-5.5x24/4 KD16	JT4- LT-TD-3-5.5x26/6 KD16	JT4- LT-TD-3-5.5x28/8 KD16	JT4- LT-TD-3-5.5x30/10 KD16	JT4- LT-TD-3-5.5x32/12 KD16
Material	A2 stainless steel	A2 stainless steel	A2 stainless steel	A2 stainless steel	A2 stainless steel
Application	All common facade claddings	All common facade claddings	All common facade claddings	All common facade claddings	All common facade claddings
Approval by cladding manufacturer	–	–	–	–	–
Strip-proof	Yes	Yes	Yes	Yes	Yes
Substructure	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Drilling capacity (t_I pre-drilled) [mm]	3.0	3.0	3.0	3.0	3.0
Clamping thickness t_{fix} [mm]	4.0	6.0	8.0	10.0	12.0
EJOT proof of usability	Available soon	Available soon	Available soon	Available soon	Available soon
LT-TD grommet for fixed points (F)	Centring grommet TD Ø11/4 F	Centring grommet TD Ø11/6 F	Centring grommet TD Ø11/8 F	Centring grommet TD Ø11/10 F	Centring grommet TD Ø11/12 F
LT-TD grommet for sliding points (S)	Centring grommet TD Ø11/4 S	Centring grommet TD Ø11/6 S	Centring grommet TD Ø11/8 S	Centring grommet TD Ø11/10 S	Centring grommet TD Ø11/12 S
Availability	Upon request	Upon request	Yes	Upon request	Upon request

[1] Screws without free spin zone must be loosened by a quarter turn after connecting surface in order to ensure reliable sliding.



JT3- LT-TD-3-5.5x28/4 KD16	**JT3- LT-TD-3-5.5x30/6 KD16**	**JT3- LT-TD-3-5.5x32/8 KD16**	**JT3- LT-TD-3-5.5x34/10 KD16**	**JT3- LT-TD-3-5.5x36/12 KD16**	**JT4- LT-2/6-6x50 KD16**
A2 stainless steel with hardened steel drill point	A2 stainless steel with hardened steel drill point	A2 stainless steel with hardened steel drill point	A2 stainless steel with hardened steel drill point	A2 stainless steel with hardened steel drill point	A2 stainless steel
All common facade claddings	All common facade claddings	All common facade claddings	All common facade claddings	All common facade claddings	All common facade claddings
–	–	–	–	–	–
Yes	Yes	Yes	Yes	Yes	No[1)]
Steel / Aluminium	Steel / Aluminium	Steel / Aluminium	Steel / Aluminium	Steel / Aluminium	Timber / Aluminium
3.0	3.0	3.0	3.0	3.0	1.5 – 2.0
4.0	6.0	8.0	10.0	12.0	8.0
Available soon	Available soon	Available soon	Available soon	Available soon	ETA-10/0200



Centring grommet TD Ø11/4 F	Centring grommet TD Ø11/6 F	Centring grommet TD Ø11/8 F	Centring grommet TD Ø11/10 F	Centring grommet TD Ø11/12 F	Centring grommet TD Ø11/8 F



Centring grommet TD Ø11/4 S	Centring grommet TD Ø11/6 S	Centring grommet TD Ø11/8 S	Centring grommet TD Ø11/10 S	Centring grommet TD Ø11/12 S	Centring grommet TD Ø11/8 S
Upon request	Upon request	Yes	Upon request	Upon request	Yes

EJOFAST® self-drilling screw JF3-LT-2-5.5 KD12



Application range

> Fastening small metal shingles to 0.4-1.0 mm profiled steel sheet
> Also suitable for fastening brackets to trapezoidal profiles

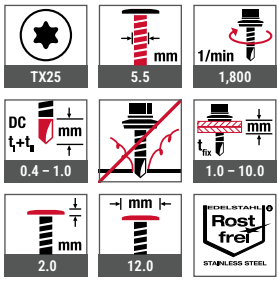
Properties

> A2 stainless steel with hardened steel point
> Pan head
> Fastening with reduced swarf

Applications



Technical specifications



Certifications



Cross references	page
Cordless screwdriver	
ASCM QSW	422
LT/ STS Tool plastic TX25	448

Product in the online shop

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JF3-LT-2-5.5x25 KD12	25	1 – 10	500		7381207301	4061245061627

EJOFAST® self-drilling screw JF3-LT-2-5.5 KD16



Cross references	page
Centring grommet F	279
Centring grommet S	280
LT/STS Tool plastic TX25	448

Application range

> For reduced swarf fastening of facade claddings to 0.4-1.0 mm steel substructures
> For reduced swarf fastening of facade cladding to 1.0-2.0 mm aluminium substructures
> Can be combined with LT fixed and sliding point grommets

Properties

> A2 stainless steel with hardened steel point
> Pan head

Advantages

> To cover slotted holes and large pre-drill diameters
> Also available as painted version
> Flat screw head for aesthetic facade design
> Wobble-free fastening by using the LT tool
> Fastening with reduced swarf

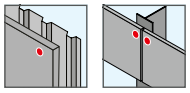
Notice

Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.
JF screw requires more axial pressure than JT screw with classic cutting bit in order to penetrate component II.

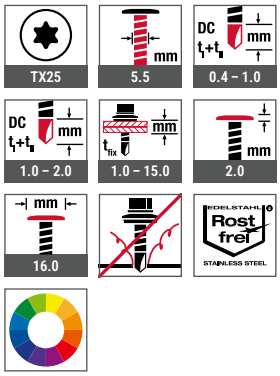
Processing information for sliding points on facade claddings

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.

Applications



Technical specifications



Certifications



Product in the online shop

Order description	Length [mm]	max. panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JF3-LT-2-5.5x30 KD16	30	13	500		7384212301	4061245014005

Self-drilling screw JT3-LT-3-5.5x30 KD16



Cross references	page
Centring grommet F	279
Centring grommet S	280
LT/STS Tool plastic TX25	448

Application range

> For fastening facade claddings to 1.5-3.0 mm aluminium and steel substructures
> Can be combined with LT fixed and sliding point grommets

Properties

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

Advantages

> To cover slotted holes and large pre-drill diameters
> Also available as painted version
> Flat screw head for aesthetic facade design
> Wobble-free fastening by using the LT tool

Notice

Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

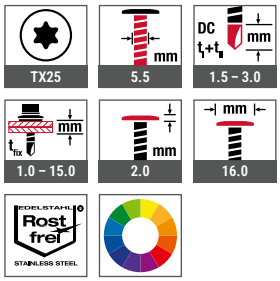
Processing information for sliding points on facade claddings

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.

Applications



Technical specifications



Certifications



Product in the online shop

Order description	Length [mm]	max. panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT3-LT-3-5.5x30 KD16	30	12	500		7384211301	4061245014012

Self-drilling screw JT4-LT-3-5.5x25 KD16



Cross references	page
Centring grommet F	279
Centring grommet S	280
LT/STS Tool plastic TX25	448

Application range

> For fastening facade cladding to 1.5 - 3.0 mm aluminium substructures
> Can be combined with LT fixed and sliding point grommets
> Fixing Puricelli HPL facade cladding to aluminium substructure

Properties

> A2 stainless steel
> Pan head

Advantages

> To cover slotted holes* and large pre-drill diameters
> Also available as painted version
> Flat screw head for aesthetic facade design
> Wobble-free fastening by using the LT tool

Notice

Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.
*Not part of the approval

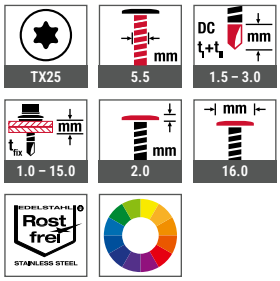
Processing information for sliding points on facade claddings

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.

Applications



Technical specifications



Certifications



Product in the online shop

Order description	Length [mm]	max. panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT4-LT-3-5.5x25 KD16	25	12	500		7384207300	4061245014029

Self-drilling screw JT4-LT-2/6-6.0x50 KD16



Cross references	page
Centring grommet F	279
Centring grommet S	280
LT/STS Tool plastic TX25	448

Application range

> For fastening facade cladding to wooden substructures
> Can be combined with LT fixed and sliding point grommets
> Also suitable for 0.8 - 2.0 mm aluminium substructures
> Fixing Puricelli HPL facade cladding to wooden substructure

Properties

> A2 stainless steel
> Pan head

Advantages

> To cover slotted holes and large pre-drill diameters
> Also available as painted version
> Flat screw head for aesthetic facade design
> No pre-drilling of the timber substructure
> Good drilling behaviour even in areas of branches
> Wobble-free fastening by using the LT tool

Notice

Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

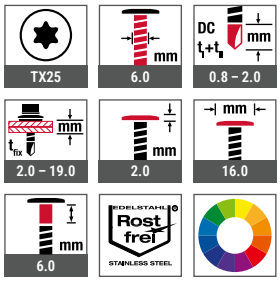
Processing information for sliding points on facade claddings

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.

Applications



Technical specifications



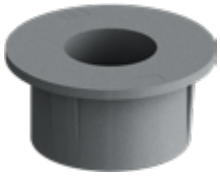
Certifications



Product in the online shop

Order description	Length [mm]	max. panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT4-LT-2/6-6.0x50 KD16	50	10	500		7384206300	4061245014036

Centring grommet F (fixed point)



Cross references	page
JF3-LT-2-5.5x30	274
JT3-LT-3-5.5x30	276
JT4-LT-3-5.5x25	277
JT4-LT-2/6-6.0x50	278

Application range

> For fastening facade claddings in combination with LT screws with head diameter 16 mm
> For fixed point fastening

Properties

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

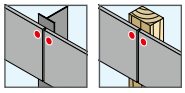
Advantages

> All holes in the facade cladding 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 grommet prevents direct contact between screw head and panel surface
> The hole in the middle serves for the centred positioning of the screw

Notice

Usability of grommets and LT screws must be agreed with the respective panel manufacturer. Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

Applications



Product in the online shop

Order description	Internal hole diameter [mm]	Pre-drilling diameter [mm]	Panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
EJOT centring grommet Ø 11/2 F	5.8	11.0	2.0	500		3010005700	4061245010212
EJOT centring grommet Ø 11/4 F	5.8	11.0	4.0	500		3010009700	4061245018478
EJOT centring grommet Ø 11/6 F	5.8	11.0	6.0	500		3010011700	4061245018454
EJOT centring grommet Ø 11/8 F	5.8	11.0	8.0	500		3010007700	4061245018492

Centring grommet S (sliding point)



Cross references	page
JF3-LT-2-5.5x30	274
JT3-LT-3-5.5x30	276
JT4-LT-3-5.5x25	277
JT4-LT-2/6-6.0x50	278

Application range

> Fastening facade claddings in combination with LT screws with head diameter 16 mm
> For sliding point fastening

Properties

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

Advantages

> All holes in the facade cladding 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 grommet 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 grommet which is only 0.3 mm thin is abraded due to relative displacement
> The hole in the middle serves for the centred positioning of the screw

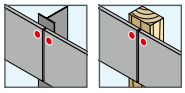
Notice

Usability of grommets and LT screws must be agreed with the respective panel manufacturer. Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

Processing information for screws with full thread

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.

Applications



Product in the online shop

Order description	Internal hole diameter [mm]	Pre-drilling diameter [mm]	Panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
EJOT centring bush Ø 11/2 S	8.4	11.0	2.0	500		3010006700	4061245018508
EJOT centring bush Ø 11/4 S	8.4	11.0	4.0	500		3010010700	4061245018461
EJOT centring bush Ø 11/6 S	8.4	11.0	6.0	500		3010012700	4061245018447
EJOT centring bush Ø 11/8 S	8.4	11.0	8.0	500		3010008700	4061245018485

Self-drilling screw JT4-LT-XT-3H/4-5.5x19



Cross references	page
Centring grommet F	279
Centring grommet S	280
Cordless screwdriver ASCS QSW	422
LT-XT Tool TX25	449

Application range

> For fastening facade cladding 2.0 mm to aluminium substructures ≤ 2.0 mm
> Can be combined with LT fixed and sliding point grommets

Properties

> A2 stainless steel
> Pan head

Advantages

> Also available as painted version
> Flat screw head for aesthetic facade design
> Wobble-free fastening by using the LT tool
> Easy assembly and reliable sliding thanks to optimised free spin zone
> Centring grommet collar protects the facade cladding surface from scratches
> No rivet installation gauge or drilling gauge necessary
> XT cutting ring under the screw head facilitates easy removal of the protective film during the forming of fixed points without centring grommet. Advantage when using the fixed point grommet: all holes in the panel can be pre-drilled with Ø 11 mm
> Non-threaded part under the screw head allows an intentional further rotation of the screw head after connecting surface

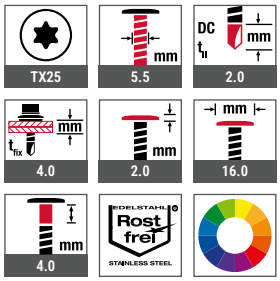
Notice

Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

Applications



Technical specifications



Certifications

Assembly instruction

Product in the online shop

Order description	Length [mm]	max. panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT4-LT-XT-3H/4-5.5x19 KD16	19	2.0	500		7384219300	4061245044507

Self-drilling screw JT4-LT-XT-3H/6-5.5x25



Cross references	page
XT-Centring grommet F	284
XT-Centring grommet S	285
LT-XT Tool TX25	449

Application range

> For fastening plain aluminium composite panels to 2 mm aluminium substructures
> Only to be used in combination with XT fixed and sliding point grommets

Properties

> A2 stainless steel
> Pan head

Advantages

> To cover slotted holes and large pre-drill diameters
> Also available as painted version
> Flat screw head for aesthetic facade design
> Easy assembly and reliable sliding thanks to optimised free spin zone
> Regulated by the building authorities in test certificate P-S 18 0447
> Easy removal of protective film
> Centring grommet collar protects the facade cladding surface from scratches
> No rivet installation gauge or drilling gauge necessary
> Non-threaded part under the screw head allows an intentional further rotation of the screw head after connecting surface

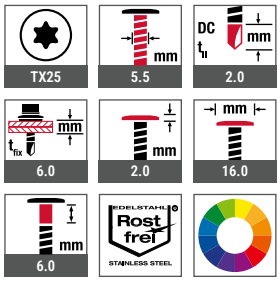
Notice

Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

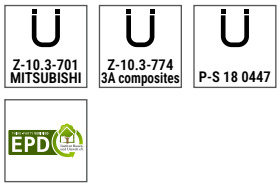
Applications



Technical specifications



Certifications



Assembly instruction

Product in the online shop

Order description	Length [mm]	max. panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT4-LT-XT-3H/6-5.5x25 KD16	25	4.0	500		7384216300	4061245073132

XT centring grommets F (fixed point)



Cross references	page
JT4-LT-XT-3H/4-5.5xL	282
JT4-LT-XT-3H/6-5.5xL	283
Cordless screwdriver ASCM QSW	422
LT-XT Tool TX25	449

Application range

> For fastening facade claddings in combination with LT-XT screws with head diameter 16 mm
> For fixed point fastening

Properties

> Grey coloured plastic
> UV-resistant

Advantages

> All holes in the facade cladding 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-XT screws
> Easily revisionable panel fastening
> The 0.5 collar of the grommet prevents direct contact between screw head and panel surface
> The hole in the middle serves for the centred positioning of the screw

Notice

Usability of grommets and LT-XT screws must be agreed with the respective panel manufacturer. Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

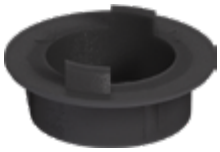
Applications



Product in the online shop

Order description	Internal hole diameter [mm]	Pre-drilling diameter [mm]	max. panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
EJOT XT centring grommet Ø 11/4 F	5.8	11.0	4.0	500		3010013700	4061245044552

XT centring grommets S (sliding point)



Cross references	page
JT4-LT-XT-3H/4-5.5xL	282
JT4-LT-XT-3H/6-5.5xL	283
Cordless screwdriver	
ASCM QSW	422
LT-XT Tool TX25	449

Application range

> For fastening facade claddings in combination with LT-XT screws with head diameter 16 mm
> For sliding point fastening

Properties

> Black coloured plastic
> UV-resistant

Advantages

> All holes in the facade cladding 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-XT screws
> Easily revisionable panel fastening
> The 0.5 collar of the grommet prevents direct contact between screw head and panel surface
> The hole in the middle serves for the centred positioning of the screw

Notice

Usability of grommets and LT-XT screws must be agreed with the respective panel manufacturer. Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

Applications



Product in the online shop

Order description	Internal hole diameter [mm]	Pre-drilling diameter [mm]	max. panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
EJOT XT centring grommet Ø 11/4 S	8.4	11.0	4.0	500		3010014700	4061245044545

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



Cross references	page
TD centring grommet F	279
TD centring grommet S	280
Cordless screwdriver ASCS QSW	422
LT/STS Tool	448

Assembly instruction

Product in the online shop

Application range

> For fastening facade claddings to aluminium and steel sub-structures
> Can be combined with LT-TD fixed and sliding point grom-mets

Properties

> A2 stainless steel with hardened steel drill point
> Stop collar
> Non-threaded part

Advantages

> Strip-proof
> Firm stop
> Perpendicular orientation
> Optimal sliding points
> No damage to the female thread in the substructure
> Aesthetic facade design

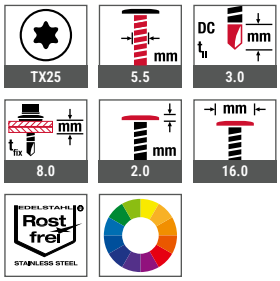
Notice

Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

Applications



Technical specifications



Order description	Length [mm]	max. panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT3-LT-TD-3-5.5x32/8	32	8.0	500		7384178301	4061245114705

Self-drilling screw JT4-LT-TD-3-5.5



Cross references	page
TD centring grommet F	279
TD centring grommet S	280
Cordless screwdriver ASCS QSW	422
LT/STS Tool	448

Application range

> For fastening facade cladding to aluminium substructures
> Can be combined with LT-TD fixed and sliding point grommets

Properties

> A2 stainless steel
> Stop collar
> Non-threaded part

Advantages

> Strip-proof
> Firm stop
> Perpendicular orientation
> Optimal sliding points
> No damage to the female thread in the substructure
> Aesthetic facade design

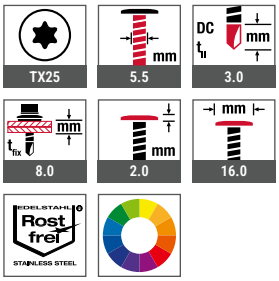
Notice

Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

Applications



Technical specifications



Assembly instruction

Product in the online shop

Order description	Length [mm]	max. panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT4-LT-TD-3-5.5x28/8	28	8.0	500		7384231300	4061245114712

TD centring grommets F (fixed point)



Cross references	page
JT3-LT-TD-3-5.5	286
JT4-LT-TD-3-5.5	287
Cordless screwdriver ASCM QSW	422
LT/STS Tool	448

Assembly instruction

Product in the online shop

Application range

> For fastening facade claddings in combination with LT-TD screws with head diameter 16 mm
> For fixed point fastening

Properties

> Red coloured plastic
> UV-resistant
> Centring ring

Advantages

> Firm fit of the facade cladding
> Centred positioning

Notice

Usability of grommets and LT screws must be agreed with the respective panel manufacturer. Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

Applications



Order description	Pre-drilling diameter [mm]	max. panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
EJOT centring grommet TD Ø 11/8 F	11.0	8.0	500		3010017700	4061245114729

TD centring grommets S (sliding point)



Cross references	page
JT3-LT-TD-3-5.5	286
JT4-LT-TD-3-5.5	287
Cordless screwdriver ASCM QSW	422
LT/STS Tool	448

Application range

> For fastening facade claddings in combination with LT-TD screws with head diameter 16 mm
> For sliding point fastening

Properties

> Black coloured plastic
> UV-resistant
> Snap-on feet
> Thin grommet edge (0.3 mm)

Advantages

> No scratching of the panel surface
> No impairment of dilatation in all directions

Notice

Usability of grommets and LT screws must be agreed with the respective panel manufacturer. Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

Applications



Assembly instruction

Product in the online shop

Order description	Pre-drilling diameter [mm]	max. panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
EJOT centring grommet TD Ø 11/8 S	11.0	8.0	500		3010018700	4061245114736

Self-drilling screw JT4-XT-3/6-6.0



Cross references	page
Cordless screwdriver ASCS QSW	422
Bit hexalobular TX25	439

Product video

Product in the online shop

Application range

- Fastener between the reinforcing profile and an ALUCOBOND® cassette according to Z-10.3-774
- For fastening to 2.0 mm aluminium substructures

Properties

- A2 stainless steel

Advantages/Operating principle

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

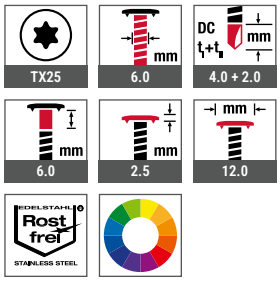




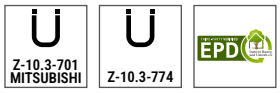
Applications



Technical specifications



Certifications



Order description	Length [mm]	Panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT4-XT-3/6-6.0x21	21	4.0	500		7384213300	4061245013992

Blind rivet ECORIV® aluminium / stainless steel



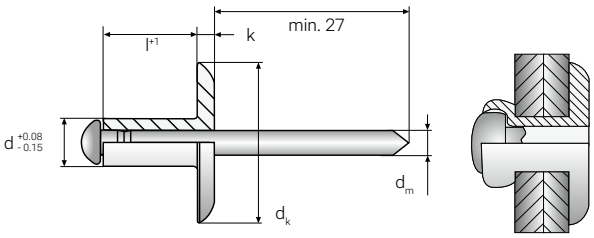
Cross references	page
Cordless riveter ECORIV	430
Nose piece for facades	430
Drill bit HSS	432

Application range

> Fastening in steel substructures
> To form sliding points on aluminium substructures
> Fastening of Puricelli HPL facade cladding to aluminium sub-structures (only blind rivet ECORIV AL/E 5.0x16.0 K16)

Properties

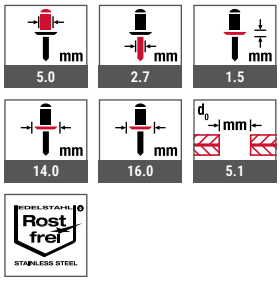
> Rivet body made of aluminium (Al)
> Mandrel made of stainless steel (E)
> Captive locked
> Large head, open



Applications



Technical specifications



Certifications

ETA-22/0641

Z-14.4-851 PURICELLI

Product in the online shop

Order description	l+1 [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
BN ECORIV AL/E 5.0x8.0 K14*	8.0	2.0 – 5.0	500		9332503000	4061245021614
BN ECORIV AL/E 5.0x10.0 K14*	10.0	4.0 – 6.5	500		9332504000	4061245021621
BN ECORIV AL/E 5.0x12.0 K14*	12.0	6.0 – 8.0	500		9332505000	4061245021638
BN ECORIV AL/E 5.0x14.0 K14*	14.0	7.5 – 10.0	500		9332506000	4061245021645
BN ECORIV AL/E 5.0x16.0 K14*	16.0	9.5 – 12.0	500		9332508000	4061245021652
BN ECORIV AL/E 5.0x18.0 K14*	18.0	11.5 – 13.5	500		9332509000	4061245021669
BN ECORIV AL/E 5.0x20.0 K14*	20.0	12.0 – 15.5	500		9332510000	4061245021676
BN ECORIV AL/E 5.0x25.0 K14*	25.0	15.0 – 20.5	500		9332511000	4061245021683
BN ECORIV AL/E 5.0x16.0 K16*	16.0	8.0 – 12.0	500		9338508000	4061245061771

*Not part of the approval

Further versions available



ECORIV® rivet
| see page 162

Insulation support anchor DH (set)



Cross references	page
Installation point	294
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Tool belt	451

Application range

> For fixing insulating material in the rainscreen facade (RVF) on all substrates

Properties

> Requirement: 5 pcs. per m^2
> Easy installation with no additional expansion element
> Plate can be positioned individually on the shaft
> All-purpose for all building materials

Advantages

> Prevents "quilt effect" (indentations in the insulation) due to retrofitting of the plate
> Prevents gaping of the joints between the individual insulating panels at the joining edges
> Packing and handling volume is reduced by over 60% compared to one-part insulation support anchors
> Installation depth limiter guarantees defined installation independent of the substrate
> Process-reliable installation even with thick insulation boards

Notice

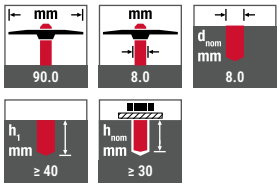
For the installation of two-part insulation, additional stress plates are required. The feasibility depends on the respective insulation properties and needs to be tested on site.
Rotary hole drilling is obligatory in aerated concrete and perforated brick masonry.

Characteristic values	
Point-based thermal transmittance χ	0.0001 W/K
Carrying capacity (pull over washer)	0.2 kN

Applications



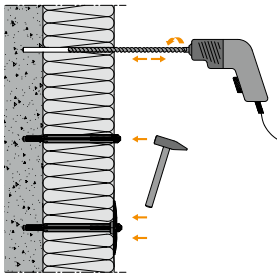
Technical specifications



Certifications

Werte ermittelt durch das Passivhaus Institut

EPD



Wall embedment
Single-ply insulation

Product in the online shop

Order description	Insulation thickness ≤ [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Set, comprised of plate and shaft					
Set DH-60	60	300		8550060009	4061245011639
Set DH-80	80	300		8550080009	4061245011615
Set DH-100	100	300		8550100009	4061245011585
Set DH-120	120	300		8550120009	4061245011561
Set DH-140	140	300		8550140009	4061245011547
Set DH-160	160	300		8550160009	4061245011523
Set DH-180	180	300		8550180009	4061245011509
Set DH-200	200	300		8550200009	4061245011486
Set DH-220	220	300		8550220009	4061245011462
Set DH-240	240	300		8550240009	4061245011448
Set DH-260	260	300		8550260009	4061245011424
Set DH-280	280	300		8550280009	4061245011400
Set DH-300	300	300		8550300009	4061245011387

Insulation support anchor DH (individual components)





Cross references	page
Installation point	294
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Tool belt	451

Application range

> For fixing insulating material in the rainscreen facade (RVF) on all substrates

Properties

> Requirement: 5 pcs. per m^2
> Easy installation with no additional expansion element
> Plate can be positioned individually on the shaft
> All-purpose for all building materials

Advantages

> Prevents "quilt effect" (indentations in the insulation) due to retrofitting of the plate
> Prevents gaping of the joints between the individual insulating panels at the joining edges
> Packing and handling volume is reduced by over 60% compared to one-part insulation support anchors
> Installation depth limiter guarantees defined installation independent of the substrate
> Process-reliable installation even with thick insulation boards

Notice

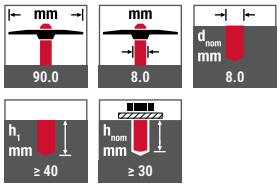
For the installation of two-part insulation, additional stress plates are required. The feasibility depends on the respective insulation properties and needs to be tested on site.
Rotary hole drilling is obligatory in aerated concrete and perforated brick masonry.

Characteristic values	
Point-based thermal transmittance χ	0.0001 W/K
Carrying capacity (pull over washer)	0.2 kN

Applications

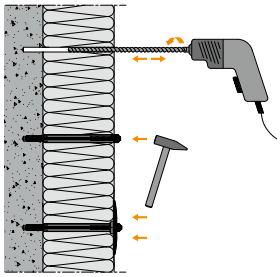


Technical specifications



Certifications





Wall embedment
Single-ply insulation

Order description	Insulation thickness ≤ [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Plate, individual					
Plate DH	–	300		8550090999	4061245011592
Shaft, individual					
Shaft DH-60	60	300		8550060999	4061245011622
Shaft DH-80	80	300		8550080999	4061245011608
Shaft DH-100	100	300		8550100999	4061245011578
Shaft DH-120	120	300		8550120999	4061245011554
Shaft DH-140	140	300		8550140999	4061245011530
Shaft DH-160	160	300		8550160999	4061245011516
Shaft DH-180	180	300		8550180999	4061245011493
Shaft DH-200	200	300		8550200999	4061245011479
Shaft DH-220	220	300		8550220999	4061245011455
Shaft DH-240	240	300		8550240999	4061245011431
Shaft DH-260	260	300		8550260999	4061245011417
Shaft DH-280	280	300		8550280999	4061245011394
Shaft DH-300	300	300		8550300999	4061245011370

Product in the online shop



Insulation support anchor DH (one-part)



Cross references	page
Installation point	294
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Tool belt	451

Application range

> For fixing insulating material in the rainscreen facade (RVF) on all substrates

Properties

> Requirement: 5 pcs. per m^2
> Easy installation with no additional expansion element
> All-purpose for all building materials

Advantages

> Prevents gaping of the joints between the individual insulating panels at the joining edges
> Process-reliable installation even with low insulation boards

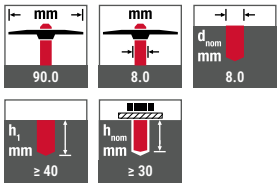
Notice

Rotary hole drilling is obligatory in aerated concrete and perforated brick masonry.

Applications



Technical specifications



Certifications

Characteristic values	
Point-based thermal transmittance χ	0.0001 W/K
Carrying capacity (pull over washer)	0.2 kN

Product in the online shop

Order description	Insulation thickness ≤ mm		PU [pieces]	Price/100 [EUR]	Article number	EAN
	Concrete	Masonry				
One-part insulation support anchor						
DH-40 (one-part)	40	20	300		8551906009	4061245011363

Installation point



Cross references	page
DH (set)	292
DH (single)	293
Tool belt	451

Application range

> Installation tool for ceiling insulation, lintels and two-part insulation
> Attaches to the two-part DH insulation support anchor



Installation point

Product in the online shop

Order description	PU [pieces]	Price/100 [EUR]	Article number	EAN
Installation point for DH	10		8550000031	4061245011646

DMH metal insulation support anchor



Cross references	page
Metal insulation stress plate	295
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Tool belt	451

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

Properties

> Easy installation by driving in, self-expanding
> Flammability class A1: non-combustible according to DIN EN 13501-1:2010-01 (test certificate no. PZ 3.1/17-226-1)

Notice

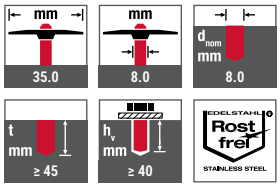
The EJOT® insulation support anchors are used to fasten soft and hard insulating material in rainscreen facades. Insulation boards are fastened according to DIN 18516-1.
Rotary hole drilling is obligatory in aerated concrete and perforated brick masonry.
The DMH-V may only be used subject to dry internal conditions (relative humidity < 70%) and in environments that can be assigned to corrosivity category C1 (insignificant) or C2 (low) according to DIN EN ISO 12944-2:1998-07.

Characteristic values	
Axial distance a ≥	120 mm
Edge distance a_r ≥	60 mm
Minimum component thickness h_{min}	80 mm
Recommended tensile loads F_{rec}	
Concrete ≥ B25	0.20 kN
Solid sand-lime brick	0.20 kN
Solid clay brick	0.20 kN
Vertically perforated brick	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
Solid clay brick	0.25 kN
Vertically perforated brick	0.10 kN
Perforated sand-lime brick	0.15 kN

Applications



Technical specifications





Certifications



Assembly instruction



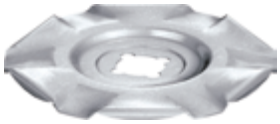
Product in the online shop

Order description	Length L [mm]	Insulation thickness B ≤ [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Alu-zinc steel						
DMH-8x80-V	80	40	250		9800030301	4061245061528
DMH-8x110-V	110	70	250		9800030602	4061245061801
DMH-8x140-V	140	100	250		9800030603	4061245061818
DMH-8x170-V	170	130	250		9800030912	4061245061825
DMH-8x200-V	200	160	250		9800031215	4061245061832
DMH-8x250-V	250	210	200		9800031520	4061245061535
DMH-8x300-V	300	260	200		9800031300	4061245061849

Available in A2 stainless steel upon request



Metal insulation stress plate DMT



Cross references

	page
Insulation support anchor DH	292
Tool belt	451

Application range

- For fastening soft insulating materials in combination with the DMH metal insulation support anchor
- For fixing soft insulating materials for increased fire protection requirements

Properties

- Flammability class A1: non-combustible according to DIN EN 13501-1:2010-01 (test certificate no. PZ 3.1/17-226-1)

Applications



Technical specifications



Certifications



Product in the online shop

Order description	Diameter [mm]	PU [mm]	Price/100 [pieces]	Article number	EAN
Alu-zinc steel					
DMT-80-V	80	250		9800030156	4061245061870

Available in A2 stainless steel upon request

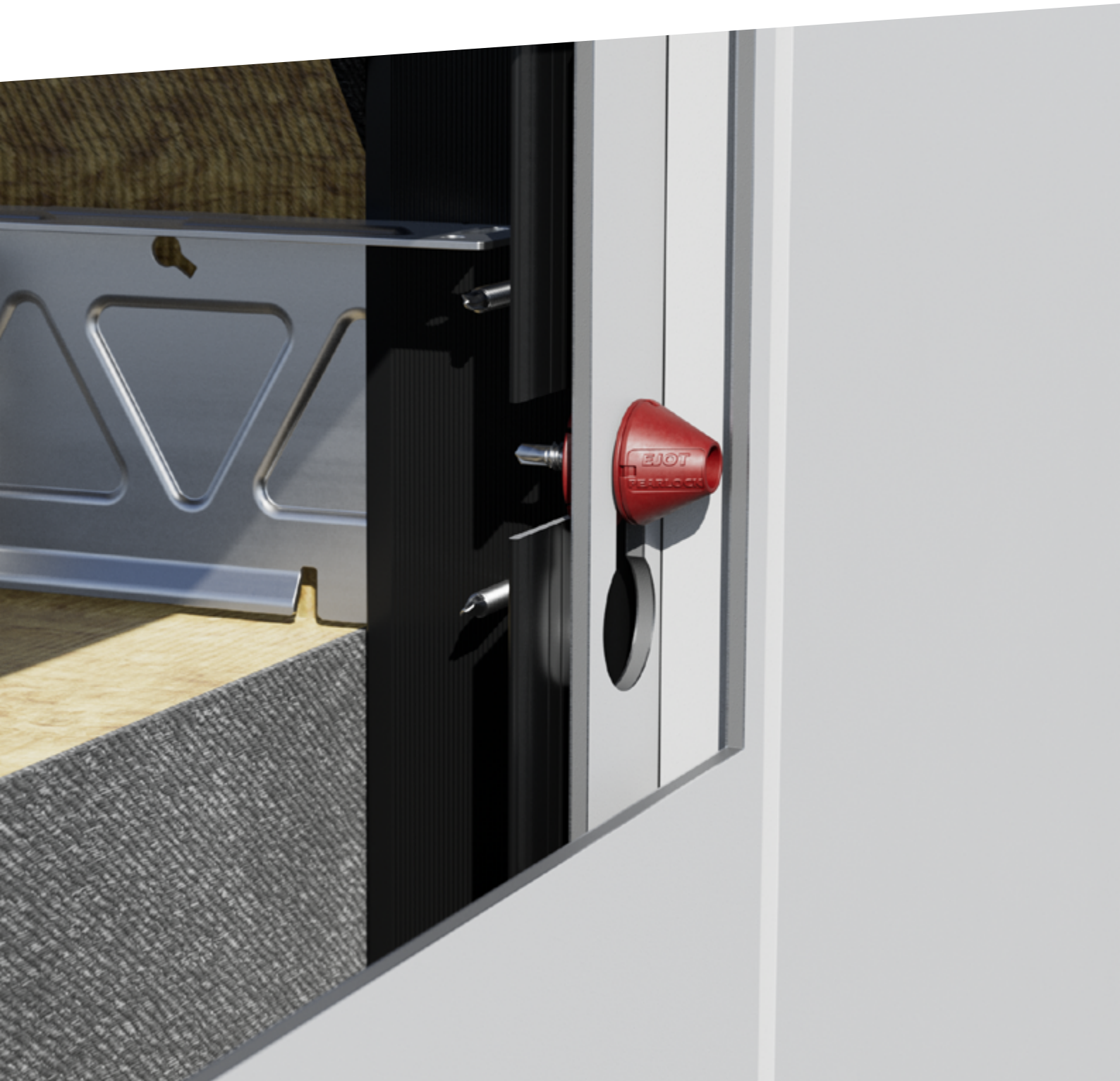


PEARLOCK system

More freedom in facade design

PEARLOCK is the first system for the invisible fastening of ALPOLIC™ aluminium composite panels in rainscreen facades. It opens up new design possibilities and enables high-quality, architecturally sophisticated facades – completely free of visually disruptive fastening points.

www.ejot.com/pearlock





Convincing all along the line

CROSSFIX® – the variable substructure system

CROSSFIX® is the first stainless steel substructure system that can be used for horizontal and vertical support profiles. CROSSFIX® increases flexibility, facilitates assembly, saves precious time and reduces your storage costs.

The CROSSFIX® console is made of 100% stainless steel and thus significantly reduces the thermal bridge surcharge in the system. With the CROSSFIX® modular system, EJOT delivers everything from a single supplier. In proven quality.

www.ejot.com/crossfix

ETA-21/0756

Fastening system for facade cladding

ETA-24/0547

Fastening screws for wall bracket,metal parts and sheet metal (with intermediate layers)

cool, temperate climate
phB
CERTIFIED COMPONENT
Passive House Institute

EPD-EJO-20190101-CBD1-EN

Institute for Steel Construction

All advantages at a glance

> **Everything from one source**
EJOT supplies a complete substructure system for all applications and all necessary information for installation.

> **All-purpose**
CROSSFIX® is the console for vertical and horizontal installation and offers maximum flexibility for all applications, no matter if fixed-point or sliding-point installation.

> **Economical**
CROSSFIX®, thanks to its high flexibility, enables quick and easy processing and, at the same time, standard-compliant fastening options on all common surfaces (e.g. concrete, solid and perforated brick, timber and steel substructures).

> **Environment-friedly**
CROSSFIX® has a low carbon footprint. When manufacturing stainless steel, there is a more moderate amount of energy required and considerably lower environmental pollution than when producing aluminium.

> **Energy-efficient**
CROSSFIX® is made of A2/A4* stainless steel and thus enables a significant reduction of the thermal bridge surcharge compared to aluminium.

> **Cost-efficient**
CROSSFIX® enables considerable savings in material costs and storage costs.

> **High static carrying capacity**
Stainless steel is many times more stable than aluminium, which means CROSSFIX® enables higher static load capacities. In addition, a finite element analysis guarantees an optimised load distribution.

> **Dynamic load capacity**
Seismic tests confirm the dynamic load capacity of the CROSSFIX® console.

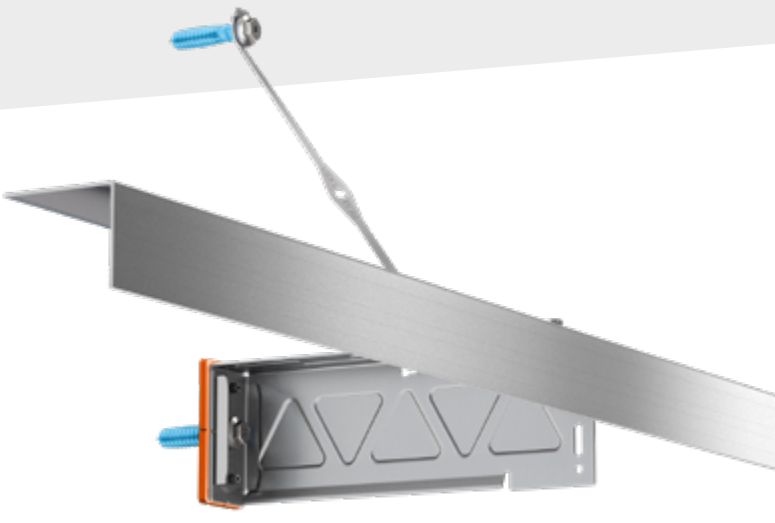
> **Fire protection**
The CROSSFIX® console is classified as non-combustible. The melting temperature of stainless steel is 1450 °C vs. 660 °C for aluminium.

> **Certified**
CROSSFIX® is ETA-certified. This reduces the planning effort, creates cost security through clearly regulated calculation specifications and ensures more safety in the case of complaints or accidents. The CROSSFIX® console was also certified by the Passive House Institute.

*In Germany, only A4 stainless steel may be used.



Vertical assembly



Horizontal assembly

CROSSFIX® can be used universally

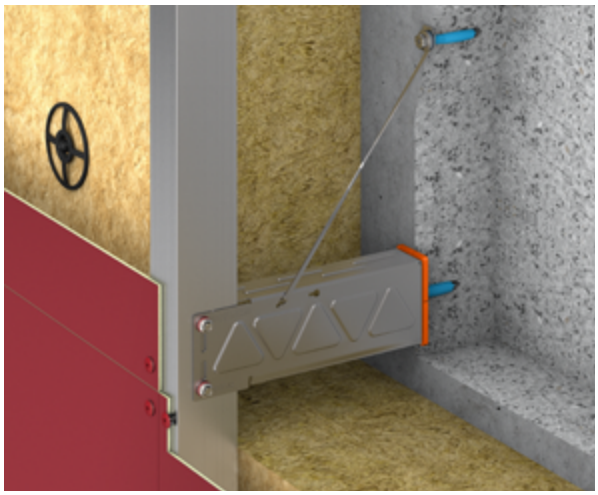
One console for different assembly purposes

With the CROSSFIX® console, EJOT provides a flexible solution that can accommodate both vertical and horizontal support profiles.

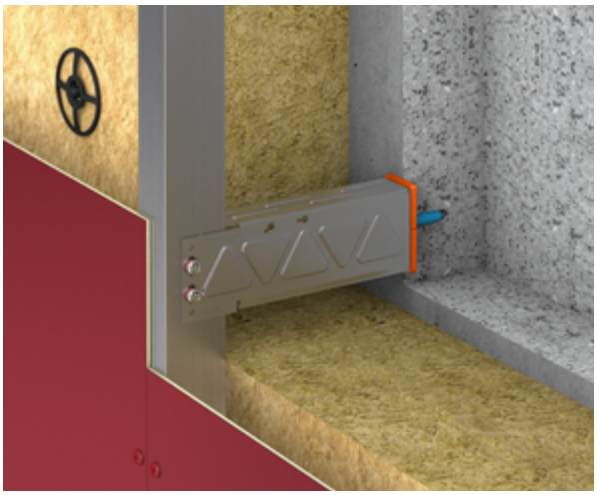
Regardless of whether it is a fixed point or sliding point installation. This eliminates the previous need to install different consoles.

Vertical assembly

Fixed and sliding point design for vertically running support profiles



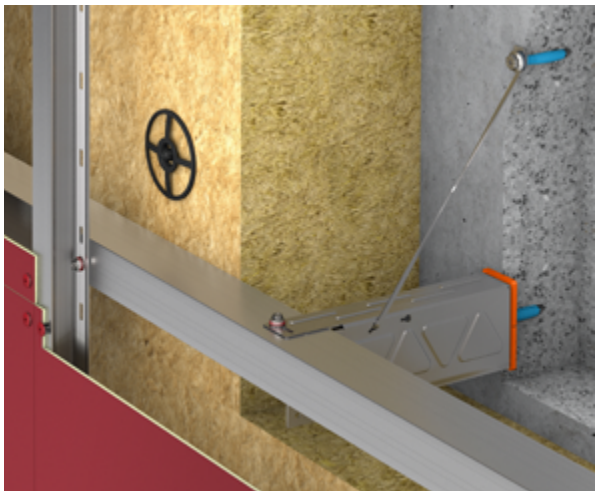
Vertical fixed point
Fixing through clearance hole, optionally with power key for better load transmission



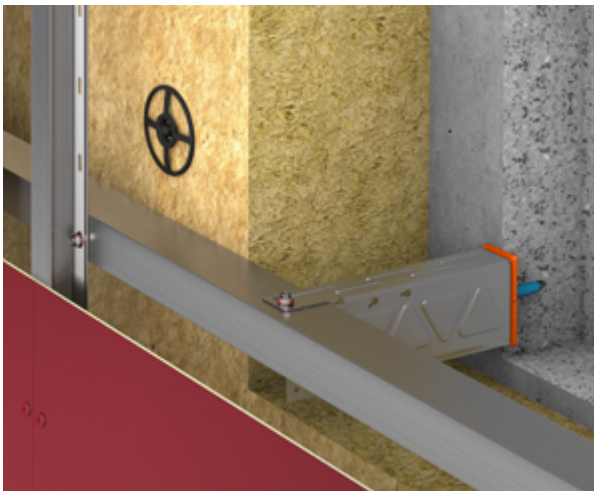
Vertical sliding point
Fastening through slotted hole

Horizontal assembly (two-layer application)

Fixed and sliding point design for horizontally running support profiles



Horizontal fixed point
Fixing through clearance hole, optionally with power key for better load transmission



Horizontal sliding point
Fastening through slotted hole

CROSSFIX® increases energy efficiency

Improved U-values thanks to 100% stainless steel

In order to reduce thermal bridges in the rainscreen facade and thus to achieve higher energy efficiency, materials with the lowest possible thermal conductivity are recommended for facade substructures. While this is only approx. 17 W/(m K) for stainless steel, it is approx. 160 W/(m K) for aluminium.

Therefore, the use of stainless steel significantly reduces the transmission of thermal bridges in the CROSSFIX® substructure system compared to systems made of solid aluminium. This means that significantly improved U-values can be achieved with the same insulation thickness.

Aluminum and stainless steel in comparison

The isothermal images below illustrate temperature curves within the external wall when using aluminium consoles and the CROSSFIX® consoles made of stainless steel.

Lines of the same temperature are called isotherms. If these run almost parallel, there is only a slight disturbance compared to the one-dimensional heat flow (U-value, coefficient of heat transmission). The large thermal bridge, as can be seen in image 1, results in a large heat loss.

This means that the wall inside can cool down considerably. The temperature difference between the indoor and outdoor area is therefore relatively small.

With the CROSSFIX® substructure system, compared to aluminium consoles, only a minimal thermal bridge forms (image 2) and the wall in the interior cools significantly less. This example clearly shows how the use of a stainless steel substructure significantly increases energy efficiency.



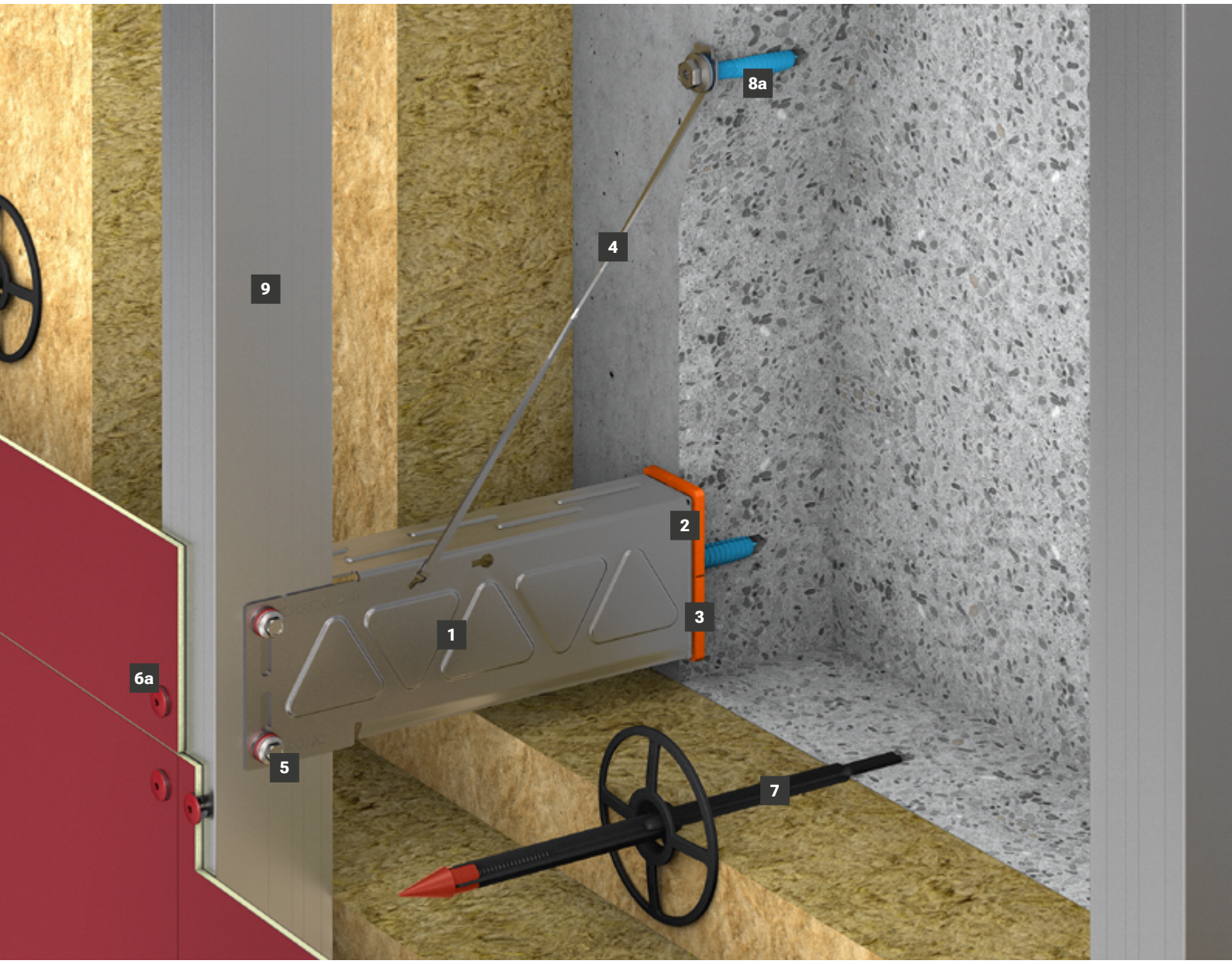
Image 1
Pronounced thermal bridge on aluminium consoles



Image 2
Minimal thermal bridge with CROSSFIX®

CROSSFIX® is a complete system

The individual components and the corresponding EJOT® accessories



1 Console

Stainless steel A2/A4*. Reach 40-400 mm in 20 mm steps, larger reach possible. Pressure plate and thermal stop, captive pre-assembled

*In Germany, only A4 stainless steel may be used.



2 Stress plate

For a higher load impact or load bearing capacity (pre-assembled)



3 Thermal stop

For even better U-values (pre-assembled)



4 Power key

For better load transmission

5 Self-drilling screw VARIO

Sliding and fixed point screw including sliding washer with buffer zone for connecting consoles and metal sections



6a LT System Classic

The classic – fastening system for facade panels to reduce thermally induced constraints



6b LT-XT System

The specialist – fastening system for facade panels with protective film for residue-free film removal



6c LT-TD System

The revolution – fastening system (thermally decoupled) for facade cladding with maximum installation safety



7 Insulation support anchor

For fixing insulating material



8a Direct anchoring in the substrate*

Facade anchors, metal anchors or chemical anchors for fastening the console and power key in the load-bearing wall



8b Anchoring with intermediate layer*

Screws for fastening the console and power key in the load-bearing wall with intermediate layer



8c Anchoring to existing composite thermal insulation systems*

Screws for fastening the console to the claw (A2/A4** stainless steel) and facade anchors for anchoring the claw to the load-bearing substrate



* Depending on structural requirements
** In Germany, only A4 stainless steel may be used.

9 Support profiles

Metal profiles in different versions for cladding panels

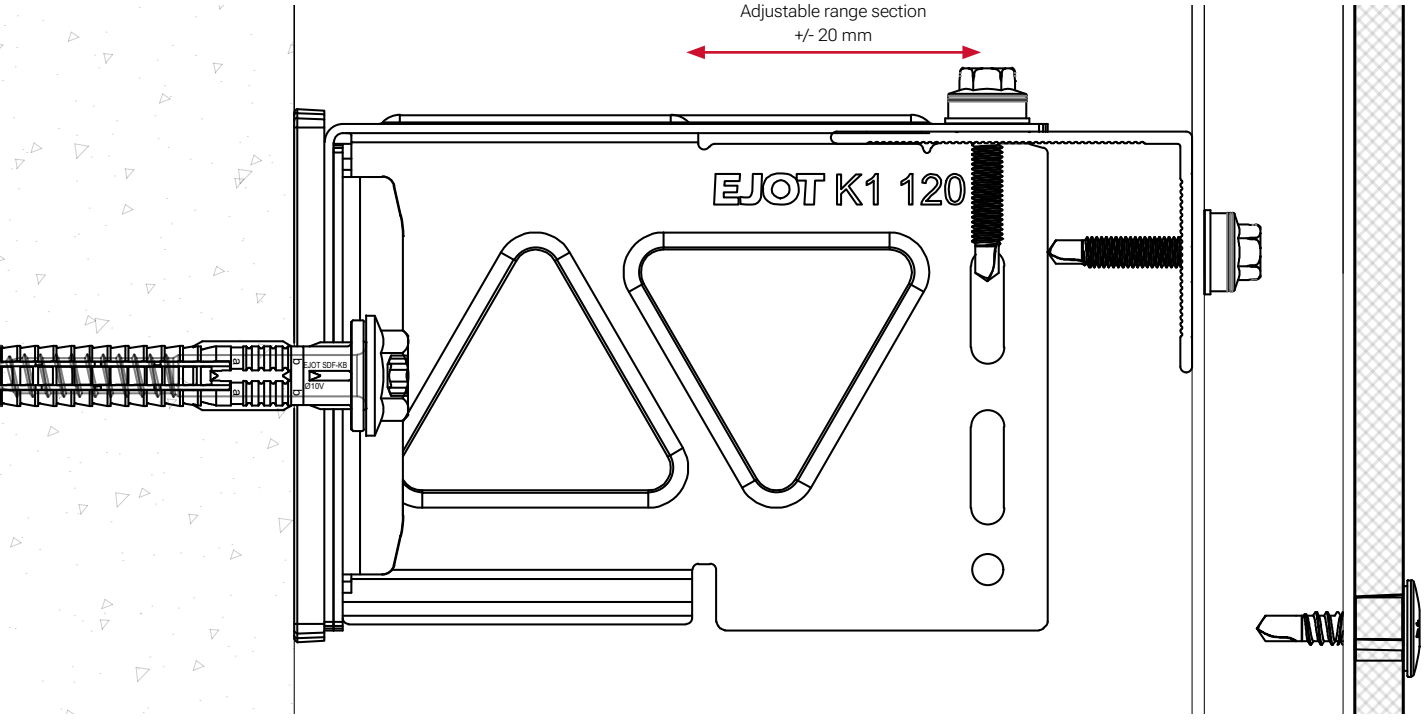


CROSSFIX® system structure

System depth

Front edge of the static load-bearing substrate

System depth (average value, all data in mm)				
Thermal stop	Wall bracket CROSSFIX® console	1. profile position min/mean/max Overhang + material thick-ness	2. profile position (optional) Overhang + material thick-ness	
5	80	2/20/40 (adjustable range +/- 20)	27	Front edge of the last layer of support profile (without agraffes or special profile or similar)
	100			
	120			
	140			
	160			
	180			
	200			
	220			
	240			
	260			
	280			
	300			
	320			
	340			
	360			
	380			
	400			



Calculation example

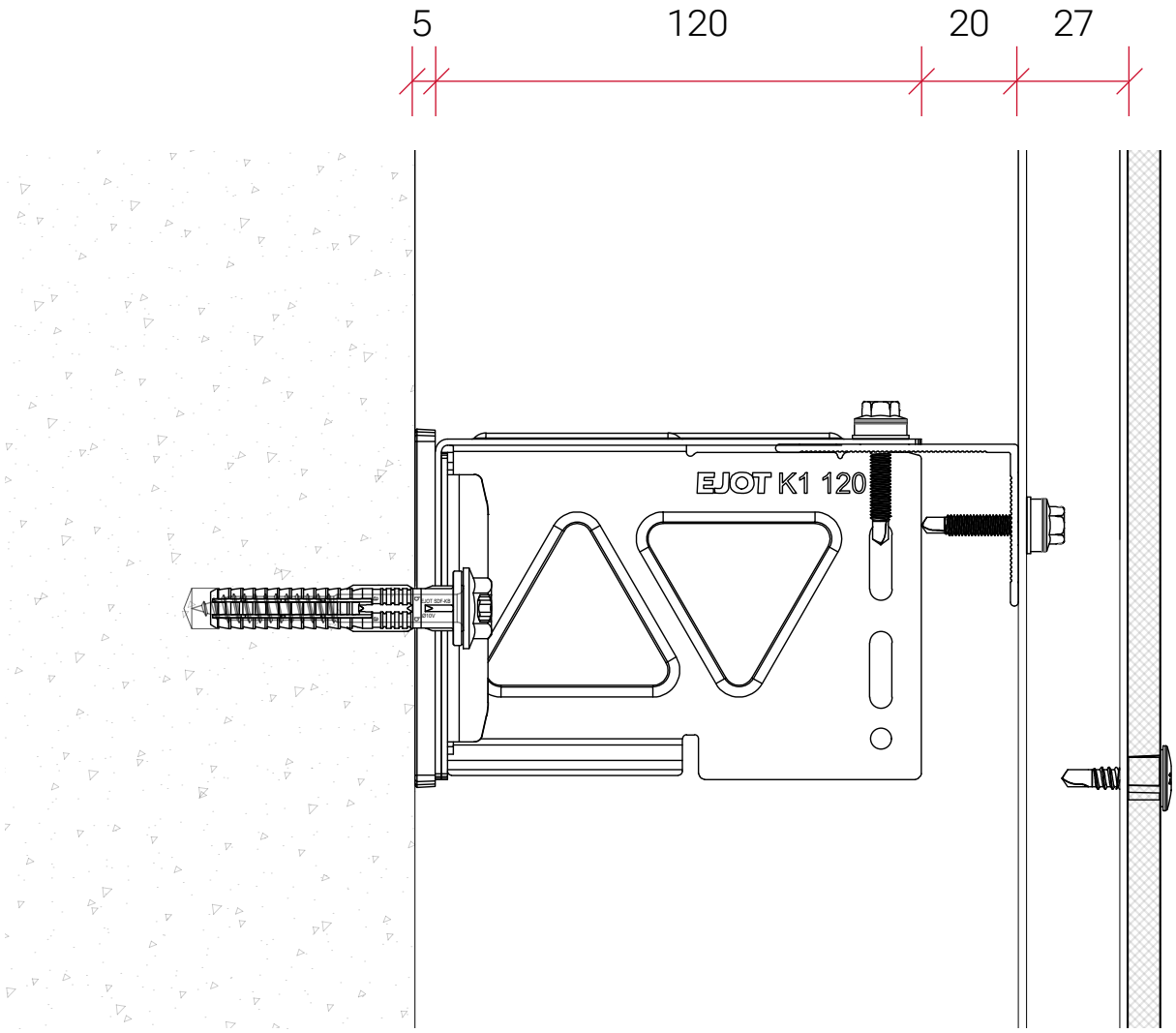
Standard system-depth console K1-120 with two-layer profile structure

General information:

The relevance of the correctly selected system depth results from the definition of the insulation thickness and the requirements for the rear ventilation cross-section.

Furthermore, the choice of the correct system depth has an influence on the assembly of the support profiles.

System components	Depth [mm]
Thermal stop	5
Console K1	120
1st profile position, angle profile, horizontal	20
2nd profile position, omega profile, vertical	27
System depth total	**172**



Our service - your advantage

Your satisfaction is our top priority

With the EJOT CROSSFIX® system we offer you a complete facade substructure system from a single supplier. You provide all the information about your project and we will develop the right solution for you.
In addition to our complete range of services, which you can view on the Internet, we offer you the following optional services specifically for your CROSSFIX® project:

Support with the design of the facade (cladding)
Supporting architects, designers and cladding manufacturers in planning cladding layouts and cladding drawings for production (cutting lists and drilling plans).

Initial sizing
Checking the static load capacity of the entire CROSSFIX® substructure system and all its components based on the project-specific requirements.

Optimised mounting plans
To meet all project requirements (architectural, structural, thermal and financial), EJOT optimises the arrangement of the fastening elements for each project individually.

Manufacturing drawings and installation plans
Project-specific, detailed assembly drawings, created in consultation with the project participants (architects, engineers, contractors, etc.), enable easy installation of the facade system. If required, we will support you throughout the project until its completion.

Project coordination and management
As the central point of contact for assembly and production in the planning and design of the facade, EJOT supports the coordination with all project-relevant parties and takes over the management of measures and activities to ensure a smooth project flow.

Access the project check list via QR code
Simply scan the QR code, fill in the checklist and return it by e-mail with all project documents.
www.ejot.com/crossfix-project-check-list

***Please note:**
To be able to use the form functions of the PDF document to their full extent, you must first save it locally and open it with a program that supports filling in forms (e.g. Adobe Acrobat DC).

Find your contact person via QR code
Simply scan the QR code, enter your postcode and find your personal contact:
www.ejot.com/crossfix

CROSSFIX® Console K1 A4



Application range

> Fastening of horizontal and vertical support profiles

Properties

> A4 stainless steel (1.4404)
> Pressure plate and thermal stop, captive pre-assembled
> Reach 80-400 mm in 20 mm steps, larger reach possible (plus adjustment zone and profile = approx. 5000 mm)

Advantages

> Universal purpose
> Thermally separated
> Reduction in thermal conductivity

Technical specifications

Certifications

ETA-21-0756 ETA-24-0547

Order description	Length [mm]	PU [pieces]	Article number
CF console K1 A4 80mm ass. + TS/SP	85	1	8800002089
CF console K1 A4 100mm ass. + TS/SP	105	1	8800002109
CF console K1 A4 120mm ass. + TS/SP	125	1	8800002129
CF console K1 A4 140mm ass. + TS/SP	145	1	8800002149
CF console K1 A4 160mm ass. + TS/SP	165	1	8800002169
CF console K1 A4 180mm ass. + TS/SP	185	1	8800002189
CF console K1 A4 200mm ass. + TS/SP	205	1	8800002209
CF console K1 A4 220mm ass. + TS/SP	225	1	8800002229
CF console K1 A4 240mm ass. + TS/SP	245	1	8800002249
CF console K1 A4 260mm ass. + TS/SP	265	1	8800002269
CF console K1 A4 280mm ass. + TS/SP	285	1	8800002289
CF console K1 A4 300mm ass. + TS/SP	305	1	8800002309
CF console K1 A4 320mm ass. + TS/SP	325	1	8800002329
CF console K1 A4 340mm ass. + TS/SP	345	1	8800002349
CF console K1 A4 360mm ass. + TS/SP	365	1	8800002369
CF console K1 A4 380mm ass. + TS/SP	385	1	8800002389
CF console K1 A4 400mm ass. + TS/SP	405	1	8800002409

CROSSFIX® Mouse A4



Application range

> Fastening of vertical support profiles
> For renovations

Characteristics

> A4 stainless steel (1.4404)
> Pressure plate and thermal stop, captive pre-assembled
> Reach 40/60 mm

Advantages

> Universal purpose
> Thermally separated
> Reduction in thermal conductivity

Technical specifications

Certifications

ETA-21-0756

Order description	Length [mm]	PU [pieces]	Article number
CF console mouse A4 40mm ass. + TS	45	1	8800001049
CF console mouse A4 60mm ass. + TS	65	1	8800001069

CROSSFIX® Claw A4



Application range

> Fastening of rainscreen facades (RVF) to existing external thermal insulation composite systems

Characteristics

> A4 stainless steel (1.4404)
> Thickness 1.5 mm
> Dimensions 140 x 96 x 33 mm

Advantages

> Ecologically valuable: Significant extension of the life cycle of an existing ETICS facade
> Fixed and sliding point assembly possible with the same console
> Upgrading of an ETICS that is still structurally sound to a thickness of 290 mm without prior demolition

Technical specifications

Certifications

ETA-21-0756

Order description	Length [mm]	PU [pieces]	Article number
CF Claw CL A4	140	1	8800000081

CROSSFIX® Power key PK A4



Application range

> For better load transmission
> Standardised working clearance > 250 mm

Characteristics

> A4 stainless steel (1.4404)

Advantages

> Optimised load transfer in the system

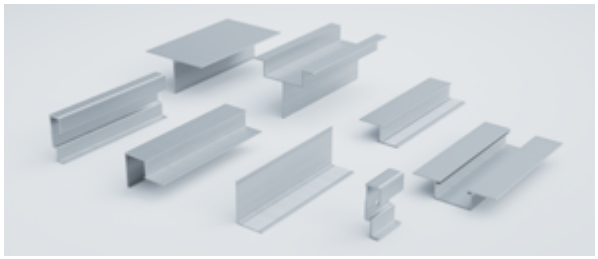
Technical specifications

Certifications

ETA-21-0756

Order description	Length [mm]	PU [pieces]	Article number
CF Power key PK A4	334	1	8800000039

CROSSFIX® Support profiles



Application range

> Aluminium profiles in different versions for cladding panels

Properties

> Material EN AW 6063 T66
> Lengths: 3 and 6 m
> Uncoated and coated (PC)



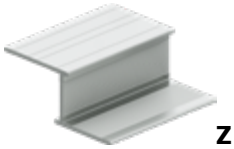
Angle profile

Order description	Length [mm]	PU [pieces]	Article number
CF L-Profile 40/60/2 6m	6000	1	8800000100
CF L-Profile 40/60/2 6m PC	6000	1	8800009100
CF L-Profile 40/60/2 3m	3000	1	8800000300
CF L-Profile 40/60/2 3m PC	3000	1	8800009300



T profile

Order description	Length [mm]	PU [pieces]	Article number
CF T-Profile 120/60/2 6m	6000	1	8800000130
CF T-Profile 120/60/2 6m PC	6000	1	8800009130
CF T-Profile 120/60/2 3m	3000	1	8800000330
CF T-Profile 120/60/2 3m PC	3000	1	8800009330



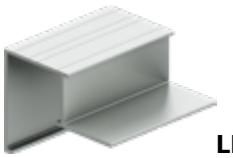
Z profile

Order description	Length [mm]	PU [pieces]	Article number
CF Z-Profile 40/27/2 6m	6000	1	8800000150
CF Z-Profile 40/27/2 6m PC	6000	1	8800009150
CF Z-Profile 40/27/2 3m	3000	1	8800000350
CF Z-Profile 40/27/2 3m PC	3000	1	8800007350



Omega profile

Order description	Length [mm]	PU [pieces]	Article number
CF O-Profile 120/27/2 3m PC	3000	1	8800009360
CF O-Profile 120/27/2 3m	3000	1	8800000360
CF O-Profile 120/27/2 6m	6000	1	8800000160
CF O-Profile 120/27/2 6m PC	6000	1	8800009160



LB profile

Order description	Length [mm]	PU [pieces]	Article number
CF LB-Profile 50/27/1.6 6m	6000	1	8800000180
CF LB-Profile 50/27/1.6 6m PC	6000	1	8800009180



Y profile

Order description	Length [mm]	PU [pieces]	Article number
CF Y-Profile 110/87/2 6m	6000	1	8800000290
CF Y-Profile 110/87/2 6m PC	6000	1	8800009290



C profile

Order description	Length [mm]	PU [pieces]	Article number
CF C-Profile 22/70/3 6m	6000	1	8800000460
CF C-Profile 22/70/3 3m	3000	1	8800000470
CF C-Profile 22/70/3 6m PC	6000	1	8800009460
CF C-Profile 22/70/3 3m PC	3000	1	8800009470

Agraffe



Application range

> For fastening facade panels for KEIL® and KARL® undercut anchors

Properties

> Material EN AW 6063 T66
> Lengths: 3 and 6 m
> Uncoated and coated (PC)

Scope of delivery Set FP/SP

1CF Agraffe KEIL FP/SP
ALtracs Plus Screw AP 60x20/18
1 JT9-2/5-5.0x25 E14 VARIO

Order description	PU [pieces]	Article number
CF SET Agraffe KEIL FP/SP	1	8800004031
CF Agraffe KEIL LP	1	8800003362



Anchoring Technology

Special products for mechanical anchoring in non-cracked and cracked concrete as well as chemical and thus expansion-pressure-free products for heavy-duty fastening in concrete and masonry.

www.ejot.com/anchoring-technology

Product overview

Screw anchor
Plastics/steel
SDF-S-8VxL-V 320
SDF-KB-8VxL-V 321
SDF-S-10VxL-V 322
SDF-KB-10VxL-V 324
SDF-S-10HxL-V 326
SDF-KB-10HxL-V 328
SDF-S-14AxL-V 330
SDF-KB-14AxL-V 332
SDP-S-10GxL-V 333
SDP-KB-10GxL-V 334
Plastics / A4 stainless steel
SDF-KB-10VxL-E 322
SDF-S-10HxL-E 324
SDF-KB-10HxL-E 328
SDP-KB-10GxL-E 334

Double expansion wall anchors
Plastics / A4 stainless steel
VSD-2G-8UxL-E 335

Nail anchors
Plastics/steel
ND-K V 336
ND-S V 337

Through bolts
Steel
BA-V-Plus 339
A4 stainless steel
BA-E-Plus 341

Drop-in anchor
Steel
JS+ 344
Stainless steel
JE+ 345

LIEBIG® safety bolts
Steel
S 348
B 350
SK 352

LIEBIG® SUPERPLUS Self-undercutting anchors
Steel
BLS 353
A4 stainless steel
BLS A4 355

LIEBIG® SUPERPLUS Lightning protection anchors
A4 stainless steel
BLS M8-14 A4 356

LIEBIG® SUPERPLUS Step iron anchors
A4 stainless steel
BLS M8-14 SD A4 357
BLS M8-14 SA A4 357

Chemical installation
Injection system
Mortar cartridge USF 280 ml 359
Mortar cartridge USF 420 ml 359
Mixing nozzle expansion 359
Mixing nozzle USF 359
Mortar cartridge USF winter 300 ml 361
Mixing nozzle expansion 361
Mixing nozzle USF 361
Anchor rods (steel)
AST M10xL V 363
Anchor rods (A4 stainless steel)
AST M10xL E 363
Mesh sleeves (plastics)
Mesh sleeve USF 16xL 364

Concrete Screw
Steel
JC2-FR-6xL 368
JC2-IT-6xL 369
JC2-ST-6xL 370
JC2-KB-6xL 372
JC2-KB-Plus-8xL 373
JC2-KB-Plus-10xL 373
JC2-KB-Plus-14xL 373
A4 stainless steel
JC6-FR A4 375
JC6-KB A4 376
JC6-ST A4 378

Technical abbreviations

Abbreviation	Description	Unit
a	Spacing	mm
a_p	Distance between drill hole and armouring	mm
a_z	Shell distance / gap	mm
C	Minimum edge distance for S_{min}	mm
c	Edge distance	mm
$c_{cr,N}$	Characteristic edge distance	mm
C_{min}	Minimum edge distance	mm
d_0	Nominal drill diameter / drill hole diameter	mm
d_{cut}	Cutting diameter of the drill bit	mm
d_f	Diameter of the through hole in the attachment	mm
d_k	Diameter cone	mm
d_{nom}	Effective external diameter	mm
f	Thread length in the anchor	mm
f_{ck}	Nominal characteristic compressive strength	N/mm²
f_{max}	Maximum installation depth	mm
f_{min}	Minimum installation depth	mm
F_{Rk}	Characteristic resistance	kN
F_{zul}	Permitted load	kN
h	Component thickness	mm
h_1	Drill hole depth to deepest point	mm
h_a	Thickness of the outer sheet	mm
h_{ef}	Installation depth in the load-bearing layer	mm
h_{ef}	Effective embedment depth	mm
h_{nom}	Nominal embedment depth	mm
k	Height of cone	mm

Abbreviation	Description	Unit
L	Length	mm
l_d	Anchor length	mm
L_s	Thread length in the anchor	mm
M_{Rk}	Bending moment	Nm
M_{zul}	Admissible bending moment	Nm
N_{rec}	Recommended tensile capacity	kN
N_{Rk}	Characteristic resistance	kN
S	Minimum centre distance for C_{min}	mm
s_1	Center distance (perpendicular to the free edge) within an anchor group	mm
s_2	Center distance (parallel to the free edge) within an anchor group	mm
$s_{cr.N}$	Characteristic centre distance	mm
S_{min}	Minimum centre distance	mm
SW	Wrench size	mm
t	drill hole depth	mm
t_{fix}	t_{tol} + thickness of attachment	mm
T_{inst}	Tightening torque	Nm
t_s	Overall drill hole depth	mm
t_{tol}	Thickness of tolerance compensation or of the non-load-bearing outer layer	mm
V	Transverse load	kN
V_{rec}	Recommended shear load capacity	kN
V_{Rk}	Shear load capacity	kN

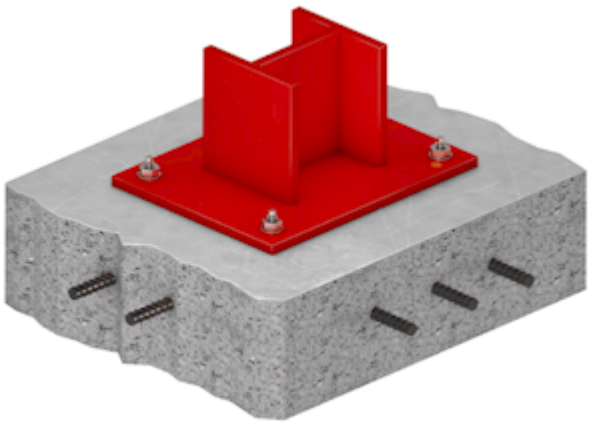
Installation into concrete and masonry

The fields of application for anchoring technology are versatile, and the respective requirements for the fastening solutions are just as different. The broad product portfolio includes solutions for mechanical installation in non-cracked and cracked concrete as well as chemical and thus expansion pressure-free products for heavy-duty fastening in concrete and masonry.

Through Bolts

EJOT through bolts are the economic solution for the installation of metal and wooden constructions into concrete (facade, ceiling and floor). They meet high requirements for load-bearing capacity and safety.

The broad range of applications and the scope of dimensions make these through bolts a cost-effective all-rounder.



LIEBIG® heavy-duty anchors

The long-established brand for heavy assembly technology is part of the EJOT Group which caters for selected market segments of the building industry with special fastening and anchoring products. Every LIEBIG product has its special field of application. For higher demands, the LIEBIG® Superplus and the LIEBIG® Safety Anchor are used.

Concrete Screw

The concrete screws JC2 and JC2 Plus can be installed quickly and easily. Neither additional tools nor additional work step are required. They can take high loads even with small spacings and edge distances. They are removable and thus well suited for temporary fastenings.

Chemical anchors

EJOT injection mortar Multifix USF is the ideal solution for the embedment of anchor rods in indoor and outdoor areas. Especially when high demands are placed on load-bearing capacity and safety. EJOT injection mortar allows small spacings and edge distances. Also available as Multifix USF Winter for low outdoor temperatures.

Nylon anchors

Nylon anchors are equally suitable for anchoring in concrete and masonry. Screw anchors are particularly popular in the area of rainscreen facades. Classically used for multiple fastening, EJOT SDF nylon anchors with diameter 10 mm are also approved for single fastening in concrete.

Functional principles for mechanical and chemical anchoring installation



Through Bolts
Simple expansion, frictional locking

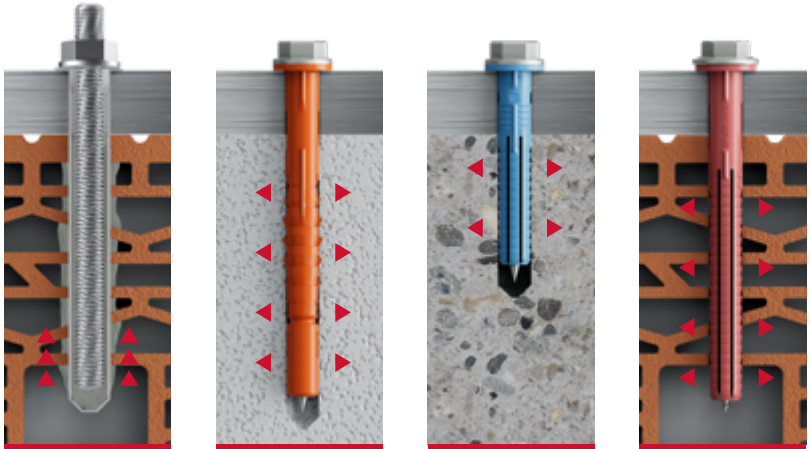
Drop-in anchor
Simple expansion, frictional locking

Safety bolt
Cylindrical expansion, frictional locking

SUPERPLUS
Self-undercut, Form-fit

Concrete screw
Undercut, Form-fit

Anchor rod
Injection mortar, Adhesive bond

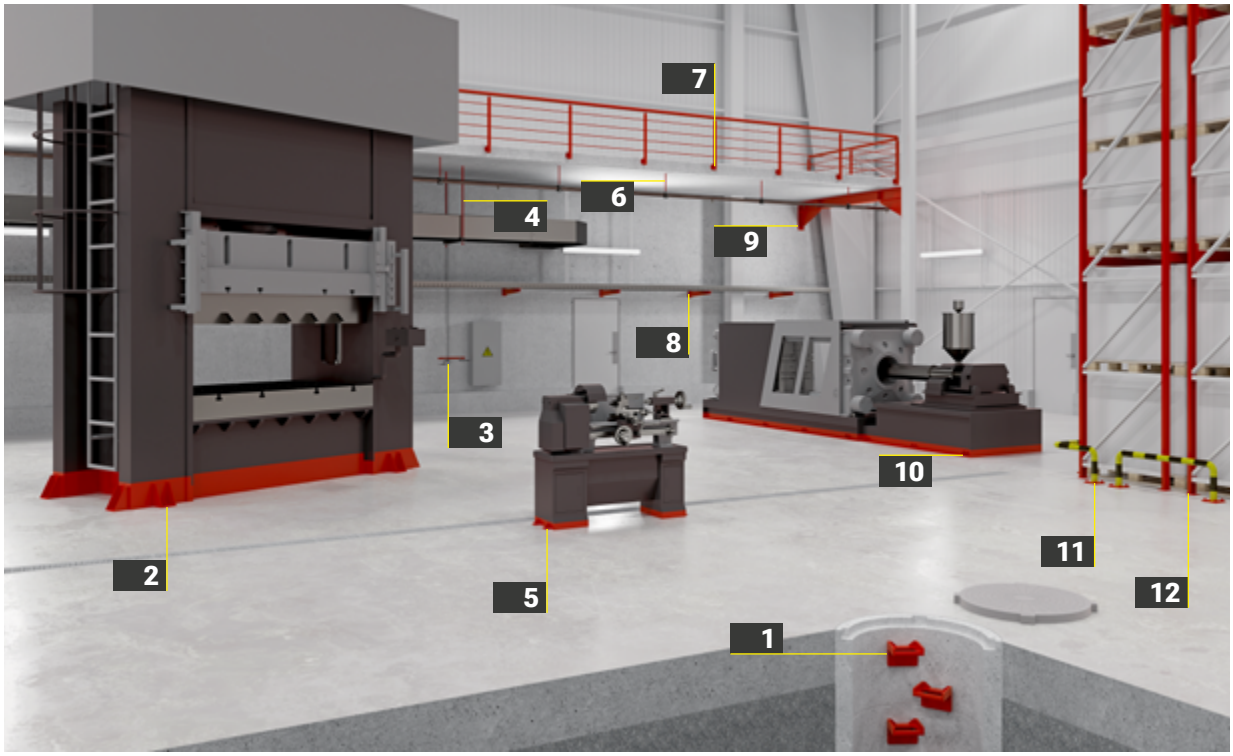


Anchor rod
Injection mortar, Adhesive bond

Nylon anchors
Radial expansion, frictional locking

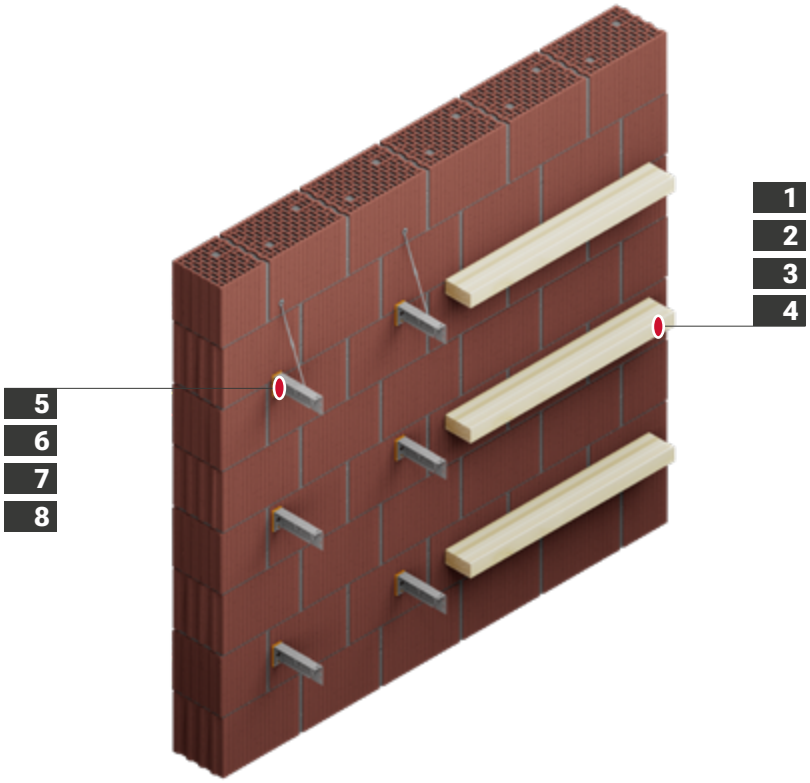
Nylon anchors
Radial expansion, frictional locking

Nylon anchors
Radial expansion, frictional locking



No.	Application	Product	Page
1	 Step iron fixings as per DIN 1211-3 / DIN 1212-3	LIEBIG® SUPERPLUS step iron anchors	357
2	 Anchoring large machines	LIEBIG® SUPERPLUS self-undercutting anchor	353
3	 Retrofitted grounding systems	LIEBIG® SUPERPLUS lightning protection anchors	356
4	 Anchoring air ducts	Drop-in anchor JE+	345
5	 Anchoring small machines	Through Bolts BA-V Plus	339
6	 Anchoring sprinkler systems	Concrete screw JC2-IT	369

No.	Application	Product	Page
7	 Anchoring railings	Concrete screw JC2-KB	372
8	 Anchoring consoles	Concrete screw JC2-ST	370
9	 Anchoring steel beams	LIEBIG® Safety Bolt S	348
10	 Anchoring medium size machines	LIEBIG® Safety Bolt B	350
11	 Anchoring ramming bars	Through Bolts BA-V Plus	339
12	 Anchoring high rack warehouses	LIEBIG® SUPERPLUS Self-undercutting anchors	353



No.	Application	Product	Page
1	Fixing timber substructure to concrete	Facade anchors SDF-S-10VxL[1)]	322
2	Fixing timber substructure to solid brick	Facade anchors SDF-S-10VxL[1)]	322
3	Fixing timber substructure to hollow / perforated brick	Universal anchors SDF-S-10HxL[1)]	326
4	Fixing timber substructure to aerated concrete	Facade anchors SDP-S-10GxL[1)]	333
5	Fixing metal sub-structure to concrete	Facade anchors SDF-KB-10Vx50[1)]	322

No.	Application	Product	Page
6	Fixing metal substructure to solid brick	Facade anchors SDF-KB-10V60[1)]	322
7	Fixing metal sub-structure to hollow / perforated brick	Universal anchors SDF-KB-10Hx80[1)]	328
8	Fixing metal sub-structure to aerated concrete	Facade anchors SDP-KB-10Gx80[1)]	334
9	Fixing timber substructure in all standard building materials	Facade anchors SDF-S-14AxL[1)]	330
10	Fixing metal substructure in all standard building materials	Facade anchors SDF-KB-14AxL[1)]	332

Note:

[1)] The effective length of the anchor (L) must correspond to the thickness of the non-load-bearing layer (e.g. render layer) and the thickness of the attachment.



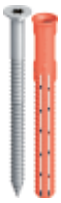
EJOT® product key for nylon achors

This is how you apply the product key on the example of an
EJOT facade anchor SDF-KB-8Vx80-V

Order description	**S**	**D**	**F**	-	**KB**	-	**8**	**V**	x	**80**	-	**V**
Type												
Screw	**S**											
Anchor		**D**										
Facade			**F**									
Aerated concrete			P									
Head style												
Collar head with flange					**KB**							
Countersunk head with hexalobular TX					S							
Dimensions												
External diameter							[mm]					
Building materials												
Solid building materials								**V**				
Hollow and perforated bricks								H				
Allrounder especially suited for timber construction								A				
Gas/aerated concrete								G				
Dimensions												
Length										[mm]		
Material												
Zinc-plated steel												**V**
A2 stainless steel												E

Inherent parts of the order description

Length range of anchors with zinc-plated steel screws and Cr(VI)-free coating (-V) or made of A4 stainless steel (-E)

	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	
Anchor type																				
Material	-V	-E	-V	-E	-V	-E	-V	-E	-V	-E	-V	-E	-V	-E	-V	-E	-V	-E	-V	-E
Length [mm]																				
50							•	•												
60			•		•		•	•												
70					•		•	•												
80	•		•		•		•		•	•	•	•			•	•	•	•	•	•
100	•		•		•		•		•	•	•	•			•	•	•	•	•	•
120	•		•		•		•		•	•	•	•	•				•	•	•	•
140	•		•		•		•		•	•	•	•	•				•	•	•	•
160	•		•		•		•		•	•	•	•	•				•	•	•	•
180	•		•		•		•		•	•	•	•	•				•	•	•	•
200	•[1]		•[1]		•		•		•	•	•	•	•				•	•[1]	•	•[1]
220	•[1]		•[1]		•		•		•	•	•	•	•				•	•[1]	•	•[1]
240									•	•			•							
260									•	•			•							
280									•	•			•[1]							
300									•	•			•							
320													•							
340													•							
360													•							

1) Delivery time upon request

Building materials	Standard	SDF-8V	SDF-10V	SDF-10H	SDF-14A	SDP-10G
Standard concrete ≥ C12/15	DIN EN 1992-1-1	•	•	•	•	
Solid brick Mz	EN 771-1	•	•	•	•	
Vertically perforated brick Hlz	EN 771-1			•	•	
Vertically perforated brick LHlz[1]	EN 771-1			•		
Solid sand-lime brick KS	EN 771-2	(•)	•	•	•	
Perforated lime sand brick KSL	EN 771-2			•	•	
Lightweight concrete cavity block ≥ HBL 2	EN 771-3			•	•	
Solid lightweight concrete bricks	EN 771-3	(•)		•		
Solid concrete bricks	EN 771-3	(•)			•	
Concrete cavity blocks[1]	EN 771-3					
Concrete rain screens ≥ C 12/15	DIN EN 1992-1-1			•		
Aerated concrete	EN 771-4			•	•	•

[1] As a rule: pull-out test on the structure

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

Facade anchor SDF-S-8V



Application range

> Installation of wood parts
> For multiple fastening of non-load-bearing systems according to EAD 330284-00-0604

Characteristics

> Countersunk head
> Small drill hole diameter
> Product identification through different sleeve colours

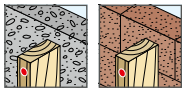
Notice

For planning and processing, please observe ETA-15/0387. For bricks of unknown quality, the load-bearing capacity must be determined through pull-out tests on the structure.

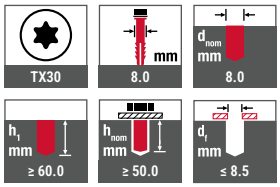
Permitted load*	
Tensile strength $N_{Rk,p}$ in concrete < C16/20	1.79 kN
Tensile strength $N_{Rk,p}$ in concrete ≥ C16/20	2.58 kN
Brick Mz 28-1.8, NF	0.71 kN
Solid sand-lime brick KS, NF 20-2.0	0.57 kN
Shear load capacity $V_{Rk,s}$	
Steel screw (γMs = 1.25)	4.24 kN
Bending moment $M_{Rk,s}$	
Steel screw (γMs = 1.25)	6.56 Nm

*Applies to temperature range 30-50 °C / 50-80 °C

Applications



Technical specifications

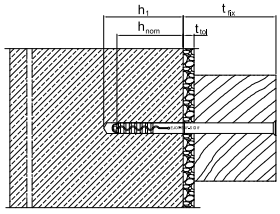


Certifications

ETA-15/0387

Base materials

Approved for
> Cracked concrete
> Non-cracked concrete
> Solid masonry



Cross references	page
Cordless screwdriver ASCM QSW	422
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Bit hexalobular TX 30	439
Tool belt	451
Cleaning brush	455
Blow-out pump	455
Corrosion protection spray	456

Product in the online shop

Order description	Length [mm]	Fastening thickness t_{fix} ≤ [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Anchors with steel screws with zinc-plated Cr(VI)-free coating (-V)						
SDF-S-8Vx80-V	80	30	100		8569080430	4061245105604
SDF-S-8Vx100-V	100	50	50		8569100430	4061245019116
SDF-S-8Vx120-V	120	70	50		8569120430	4061245019109
SDF-S-8Vx140-V	140	90	50		8569140430	4061245019093
SDF-S-8Vx160-V	160	110	50		8569160430	4061245019086
SDF-S-8Vx180-V	180	130	50		8569180430	4061245019079

Further lengths upon request

Facade anchor SDF-KB-8V



Cross references	page
Cordless screwdriver ASCM QSW	422
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Socket wrench insert SW10	442
Tool belt	451
Cleaning brush	455
Blow-out pump	455
Corrosion protection spray	456

Application range

> Installation of metal attachments
> For multiple fastening of non-load-bearing systems according to EAD 330284-00-0604

Characteristics

> Hexagon head with flange
> Small drill hole diameter
> Thermal and galvanic separation
> Product identification through different sleeve colours

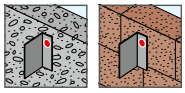
Notice

For planning and processing, please observe ETA-15/0387. For bricks of unknown quality, the load-bearing capacity must be determined through pull-out tests on the structure.

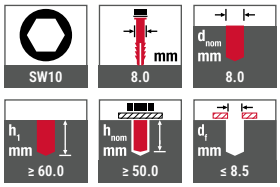
Permitted load*	
Tensile strength $N_{Rk,p}$ in concrete < C16/20	1.79 kN
Tensile strength $N_{Rk,p}$ in concrete ≥ C16/20	2.58 kN
Brick Mz 28-1.8, NF	0.71 kN
Solid sand-lime brick KS, NF 20-2.0	0.57 kN
Shear load capacity $V_{Rk,s}$	
Steel screw (γMs = 1.25)	4.24 kN
Bending moment $M_{Rk,s}$	
Steel screw (γMs = 1.25)	6.56 Nm

*Applies to temperature range 30-50 °C / 50-80 °C

Applications



Technical specifications

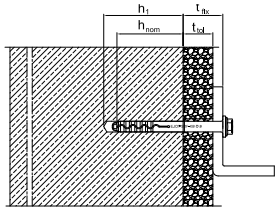


Certifications



Base materials

Approved for
> Cracked concrete
> Non-cracked concrete
> Solid masonry



Product in the online shop

Order description	Length [mm]	Fastening thickness t_{fix} ≤ [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Anchors with steel screws with zinc-plated Cr(VI)-free coating (-V)						
SDF-KB-8Vx60-V	60	10	100		8570060430	4061245019048
SDF-KB-8Vx80-V	80	30	100		8570080430	4061245019024

Further lengths upon request



Facade anchor SDF-S-10V



Application range

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

Characteristics

> Countersunk head
> When used according to EAD 330284-00-0604, embedment depth in concrete can be reduced to 40 mm ($h_{nom,1}$)
> 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

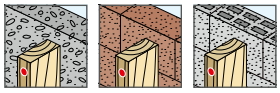
Cross references	page
Cordless screwdriver ASCM QSW	422
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Bit hexalobular TX 40	439
Tool belt	451
Cleaning brush	455
Blow-out pump	455
Corrosion protection spray	456

Notice

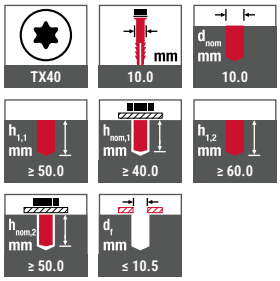
For planning and processing the products, please observe ETA-10/0305 and Z-21.2-2122. Further information about parameters and loads can be found in the approvals. For bricks of unknown quality, the load-bearing capacity must be determined through pull-out tests on the structure.

Admissible loads	
Tensile load $N_{Rk,p}$ in concrete C12/15	
Temperature range 30 °C / 50 °C	1.79 kN
Temperature range 50 °C / 80 °C	1.59 kN
F_{Rk} brick Mz 20-1.8, NF	0.71 kN
F_{Rk} solid sand-lime brick KS 36, NF	1.14 kN
F_{Rk} solid sand-lime brick KS 20, 8 DF	1.29 kN
Transverse load $V_{Rk,s}$ at $h_{nom,1}$ = 40 mm	
Steel screw (γMs = 1.25)	6.34 kN
Transverse load $V_{Rk,s}$ at $h_{nom,2}$ = 50 mm	
Steel screw (γMs = 1.25)	8.87 kN
Bending moment $M_{Rk,s}$ at $h_{nom,1}$ =40 mm	
Steel screw (γMs = 1.25)	11.04 kN
Bending moment $M_{Rk,s}$ at $h_{nom,2}$ = 50 mm	
Steel screw (γMs = 1.25)	18.41 Nm

Applications



Technical specifications

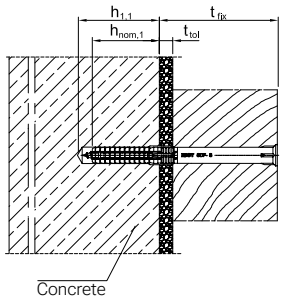


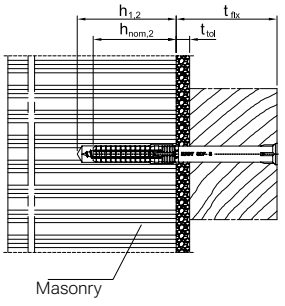
Certifications



Base materials

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





Product in the online shop

Order description	Length [mm]	Fastening thickness t_{fix} (concrete* / masonry) ≤ [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Anchors with steel screws with zinc-plated Cr(VI)-free coating (-V)						
SDF-S-10Vx60-V	60	20 / 10	100		8580060450	4061245018928
SDF-S-10Vx70-V	70	30 / 20	100		8580070450	4061245018911
SDF-S-10Vx80-V	80	40 / 30	100		8580080450	4061245082998
SDF-S-10Vx100-V	100	60 / 50	50		8580100450	4061245018898
SDF-S-10Vx120-V	120	80 / 70	50		8580120450	4061245018881
SDF-S-10Vx140-V	140	100 / 90	50		8580140450	4061245018874
SDF-S-10Vx160-V	160	120 / 110	50		8580160450	4061245018867
SDF-S-10Vx180-V	180	140 / 130	50		8580180450	4061245018850
***When using $h_{nom,}$1 according EAD 330284-00-0604**						

Further lengths upon request



Facade anchor SDF-KB-10V



Application range

- Installation of metal attachments
- For multiple fastening of non-load-bearing systems according to EAD 330284-00-0604
- Suitable for the structural fastening of wall cupboards, cladding, metal angle pieces
- For application as single fastening in concrete

Characteristics

- Hexagon head with flange
- When used according to EAD 330284-00-0604, embedment depth in concrete can be reduced to 40 mm ($h_{nom,1}$)
- 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

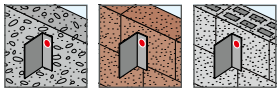
Notice

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

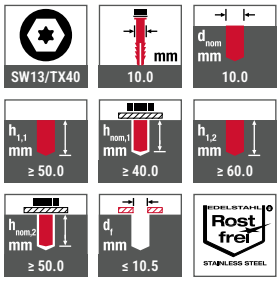
Cross references	page
Cordless screwdriver ASCM QSW	422
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Bit hexalobular TX 30	439
Socket wrench insert SW13	442
Tool belt	451
Cleaning brush	455
Blow-out pump	455
Corrosion protection spray	456

Admissible loads	
Tensile load $N_{Rk,p}$ in concrete C12/15	
Temperature range 30 °C / 50 °C	1.79 kN
Temperature range 50 °C / 80 °C	1.59 kN
F_{Rk} brick Mz 20-1.8, NF	0.71 kN
F_{Rk} solid sand-lime brick KS 36, NF	1.14 kN
F_{Rk} solid sand-lime brick KS 20, 8 DF	1.29 kN
Transverse load $V_{Rk,s}$ at $h_{nom,1}$ = 40 mm	
Steel screw (γMs = 1.25)	6.34 kN
Stainless steel screw (γMs = 1.56)	5.85 kN
Transverse load $V_{Rk,s}$ at $h_{nom,2}$ = 50 mm	
Steel screw (γMs = 1.25)	8.87 kN
Stainless steel screw (γMs = 1.56)	8.29 kN
Bending moment $M_{Rk,s}$ at $h_{nom,1}$ =40 mm	
Steel screw (γMs = 1.25)	11.04 kN
Stainless steel screw (γMs = 1.56)	10.31 kN
Bending moment $M_{Rk,s}$ at $h_{nom,2}$ = 50 mm	
Steel screw (γMs = 1.25)	18.41 Nm
Stainless steel screw (γMs = 1.56)	17.06 kN

Applications



Technical specifications

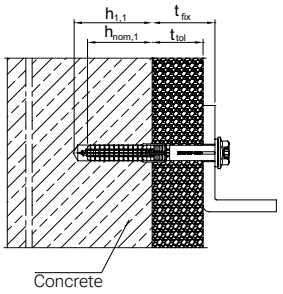


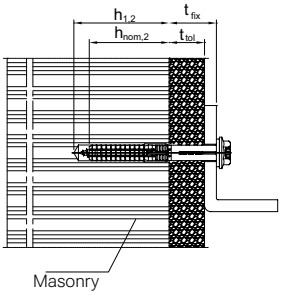
Certifications



Base materials

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





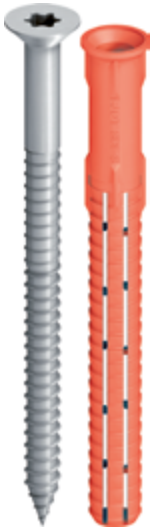
Product in the online shop

Order description	Length [mm]	Fastening thickness t_{fix} (concrete* / masonry) ≤ [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Anchors with steel screws with zinc-plated Cr(VI)-free coating (-V)						
SDF-KB-10Vx50-V	50	10 / –	100		8581050450	4061245018829
SDF-KB-10Vx60-V	60	20 / 10	100		8581060450	4061245018805
SDF-KB-10Vx70-V	70	30 / 20	100		8581070450	4061245018775
SDF-KB-10Vx80-V	80	40 / 30	100		8581080450	4061245018751
SDF-KB-10Vx100-V	100	60 / 50	50		8581100450	4061245018744
SDF-KB-10Vx120-V	120	80 / 70	50		8581120450	4061245018737
Anchors with A4 stainless steel screws (-E)						
SDF-KB-10Vx50-E	50	10 / –	100		8581050650	4061245018812
SDF-KB-10Vx60-E	60	20 / 10	100		8581060650	4061245018799
SDF-KB-10Vx70-E	70	30 / 20	100		8581070650	4061245018768
***When using h_{nom_1} according ETAG 020**						

Further lengths upon request



Universal anchor SDF-S-10H



Cross references	page
Flat roof profile FP	232
Cordless screwdriver ASCM QSW	422
Cordless hammer drill ABH	427
Universal drill SDS plus®	433
Hammer drill SDS plus	434
Bit hexalobular TX 40	439
Tool belt	451
Cleaning brush	455
Blow-out pump	455
Corrosion protection spray	456

Application range

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

Characteristics

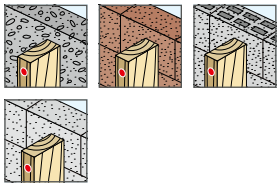
> Countersunk head
> Approved for all common building materials
> Reliable hold in problematic building materials thanks to optimised expansion part
> Radial expansion for reliable hold
> Product identification through different sleeve colours
> Double safety lock against torsion for secure installation

Notice

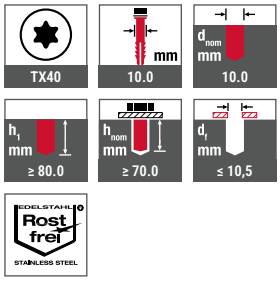
For planning and processing the products, please observe ETA-10/0305 and Z-21.2-2122. Further information about parameters and loads can be found in the approvals. For bricks of unknown quality, the load-bearing capacity must be determined through pull-out tests on the structure.

Admissible loads	
Tensile load $N_{Rk,p}$ in concrete C12/15	
Temperature range 30 °C / 50 °C	1.79 kN
Temperature range 50 °C / 80 °C	1.59 kN
Brick Mz 20-1.8, NF	1.14 kN
Solid sand-lime brick KS 36, NF	1.29 kN
Solid sand-lime brick KS 20, 8 DF	1.29 kN
Solid lightweight concrete brick V6, 2 DF	0.57 kN
Vertically perforated brick HLz 12-0.9, NF	0.57 kN
Perforated sand-lime brick KSL 12, 4 DF	0.71 kN
Cavity block made of lightweight concrete Hbl 10, 12 DF	0.34 kN
Transverse load $V_{Rk,s}$	
Steel screw (γMs = 1.25)	7.48 kN
Stainless steel screw (γMs = 1.56)	6.99 kN
Bending moment $M_{Rk,s}$	
Steel screw (γMs = 1.25)	14.14 Nm
Stainless steel screw (γMs = 1.56)	13.22 Nm
Compressive strength of aerated concrete [N/mm²] 30 - 50 °C	
Aerated concrete $f_{ck} \geq 4$ N/mm²	0.54 kN
Aerated concrete $f_{ck} \geq 5$ N/mm²	0.71 kN
Aerated concrete $f_{ck} \geq 6$ N/mm²	0.89 kN
Aerated concrete $f_{ck} \geq 7$ N/mm²	0.89 kN

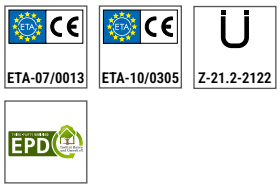
Applications



Technical specifications

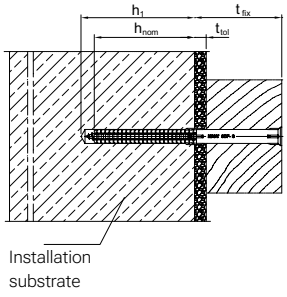


Certifications



Base materials

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



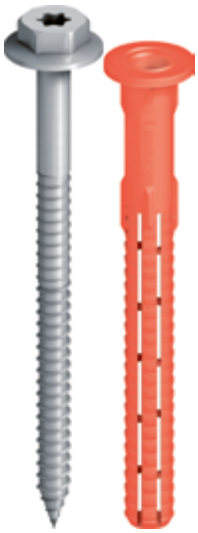
Product in the online shop

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

Further lengths upon request



Universal anchor SDF-KB-10H



Application range

> Installation of metal attachments
> For multiple fastening of non-load-bearing systems according to EAD 330284-00-0604
> Suitable for the structural fastening of wall cupboards, cladding, metal angle pieces
> For embedment in rain screens
> For application as single fastening in concrete

Characteristics

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

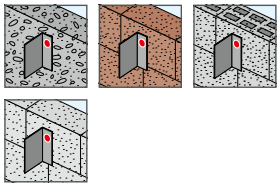
Notice

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

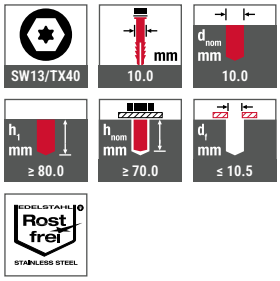
Cross references	page
Cordless screwdriver ASCM QSW	422
Cordless hammer drill ABH	427
Universal drill SDS plus®	433
Hammer drill SDS plus	434
Bit hexalobular TX 40	439
Socket wrench insert SW13	442
Tool belt	451
Cleaning brush	455
Blow-out pump	455
Corrosion protection spray	456

Admissible loads	
Tensile load $N_{Rk,p}$ in concrete C12/15	
Temperature range 30 °C / 50 °C	1.79 kN
Temperature range 50 °C / 80 °C	1.59 kN
Brick Mz 20-1.8, NF	1.14 kN
Solid sand-lime brick KS 36, NF	1.29 kN
Solid sand-lime brick KS 20, 8 DF	1.29 kN
Solid lightweight concrete brick V6, 2 DF	0.57 kN
Vertically perforated brick HLz 12-0.9, NF	0.57 kN
Perforated sand-lime brick KSL 12, 4 DF	0.71 kN
Cavity block made of lightweight concrete Hbl 10, 12 DF	0.34 kN
Transverse load $V_{Rk,s}$	
Steel screw (γMs = 1.25)	7.48 kN
Stainless steel screw (γMs = 1.56)	6.99 kN
Bending moment $M_{Rk,s}$	
Steel screw (γMs = 1.25)	14.14 Nm
Stainless steel screw (γMs = 1.56)	13.22 Nm
Compressive strength of aerated concrete [N/mm²] 30 - 50 °C	
Aerated concrete fck ≥ 4 N/mm²	0.54 kN
Aerated concrete f_{ck} ≥ 5 N/mm²	0.71 kN
Aerated concrete f_{ck} ≥ 6 N/mm²	0.89 kN
Aerated concrete f_{ck} ≥ 7 N/mm²	0.89 kN

Applications



Technical specifications

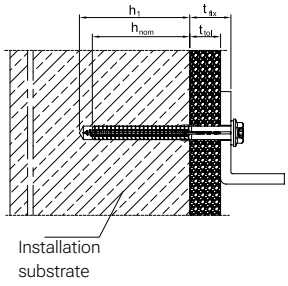


Certifications



Base materials

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



Product in the online shop

Order description	Length [mm]	Fastening thickness t_{fix} ≤ [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Anchors with steel screws with zinc-plated Cr(VI)-free coating (-V)						
SDF-KB-10Hx80-V	80	10	100		8513080420	4061245019642
SDF-KB-10Hx100-V	100	30	50		8513100420	4061245019611
SDF-KB-10Hx120-V	120	50	50		8513120420	4061245019581
SDF-KB-10Hx140-V	140	70	50		8513140420	4061245019567
Anchors with A4 stainless steel screws (-E)						
SDF-KB-10Hx80-E	80	10	100		8513080620	4061245019635
SDF-KB-10Hx100-E	100	30	50		8513100620	4061245019604
SDF-KB-10Hx120-E	120	50	50		8513120620	4061245019574
SDF-KB-10Hx140-E	140	70	50		8513140620	4061245019550

Further lengths upon request



Facade anchor SDF-S-14A



Cross references	page
Cordless screwdriver ASCM QSW	422
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Bit hexalobular TX 40	439
Tool belt	451
Cleaning brush	455
Blow-out pump	455
Corrosion protection spray	456

Application range

> Installation of wood parts
> For multiple fastening of non-load-bearing systems according to EAD 330284-00-0604
> Suitable for the structural fastening of gates, doors, windows, square timber

Characteristics

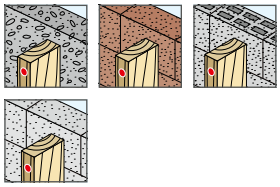
> Countersunk head
> Approved for all common building materials
> Reliable hold in problematic building materials thanks to optimised expansion part
> Radial expansion for reliable hold
> Product identification through different sleeve colours
> Double safety lock against torsion for secure installation

Notice

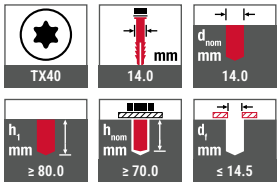
For planning, please observe approval ETA-15/0027. For bricks of unknown quality, the load-bearing capacity must be determined through pull-out tests on the structure. When used in concrete, a silicone lubricant paste (e.g. FUCHS CHEMPLEX SI-LK 2) and the use of an impact screwdriver with particularly high torque are recommended.

Permitted load*	
Tensile load $N_{Rk,p}$ in concrete > C12/15	3.37 kN
Brick Mz 20-1.8, NF	1.57 kN
Solid sand-lime brick KS, 2 DF 20-2.0	1.71 kN
Solid sand-lime brick KS, 8 DF 20-1.8	2.00 kN
Solid brick V, 3 DF	0.86 kN
Vertically perforated brick HLz, 2 DF 28-1.2	0.57 kN
Perforated sand-lime brick KSL, 8 DF 16-1.4	0.71 kN
Cavity block tile made of lightweight concrete Hbl, 12 DF	0.71 kN
Aerated concrete $f_{ck} \geq 2$ N/mm²	0.43 kN
Aerated concrete $f_{ck} \geq 4$ N/mm²	0.89 kN
Aerated concrete $f_{ck} \geq 6$ N/mm²	1.60 kN
Transverse load $V_{Rk,s}$	
Steel screw (γMs = 1.25)	17.4 kN
Stainless steel screw (γMs = 1.56)	16.2 kN
Bending moment $M_{Rk,s}$	
Steel screw (γMs = 1.25)	50.0 Nm
Stainless steel screw (γMs = 1.56)	46.7 Nm

Applications



Technical specifications

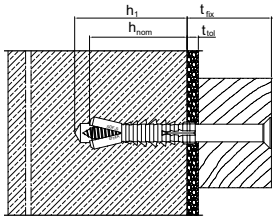


Certifications

ETA-15/0027

Base materials

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



Product in the online shop

Order description	Length [mm]	Fastening thickness t_{fix} ≤ [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Anchors with steel screws with zinc-plated Cr(VI)-free coating (-V)						
SDF-S-14Ax140-V	140	70	50		8591140430	4061245018621
SDF-S-14Ax160-V	160	90	50		8591160430	4061245018614
SDF-S-14Ax180-V	180	110	50		8591180430	4061245018607
SDF-S-14Ax200-V	200	130	50		8591200430	4061245018591
SDF-S-14Ax220-V	220	150	50		8591220430	4061245018584
SDF-S-14Ax240-V	240	170	25		8591240430	4061245018577
SDF-S-14Ax360-V	360	290	25		8591360430	4061245018515

Further lengths upon request



Facade anchor SDF-KB-14A



Cross references	page
Cordless screwdriver ASCM QSW	422
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Socket wrench insert SW17	442
Tool belt	451
Cleaning brush	455
Blow-out pump	455
Corrosion protection spray	456

Application range

> Installation of metal attachments
> For multiple fastening of non-load-bearing systems according to EAD 330284-00-0604
> Suitable for the structural fastening of wall cupboards, cladding, metal angle pieces

Characteristics

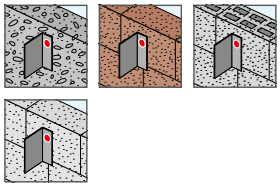
> Hexagon head with flange
> Approved for all common building materials
> Reliable hold in problematic building materials thanks to optimised expansion part
> Radial expansion for reliable hold
> Product identification through different sleeve colours
> Double safety lock against torsion for secure installation

Notice

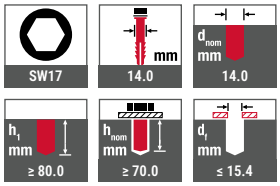
For planning, please observe approval ETA-15/0027. For bricks of unknown quality, the load-bearing capacity must be determined through pull-out tests on the structure. When used in concrete, a silicone lubricant paste (e.g. FUCHS CHEMPLEX SI-LK 2) and the use of an impact screwdriver with particularly high torque are recommended.

Permitted load*	
Tensile load $N_{Rk,p}$ in concrete > C12/15	3.37 kN
Brick Mz 20-1.8, NF	1.57 kN
Solid sand-lime brick KS, 2 DF 20-2.0	1.71 kN
Solid sand-lime brick KS, 8 DF 20-1.8	2.00 kN
Solid brick V, 3 DF	0.86 kN
Vertically perforated brick HLz, 2 DF 28-1.2	0.57 kN
Perforated sand-lime brick KSL, 8 DF 16-1.4	0.71 kN
Cavity block tile made of lightweight concrete Hbl, 12 DF	0.71 kN
Aerated concrete $f_{ck} \geq 2$ N/mm²	0.43 kN
Aerated concrete $f_{ck} \geq 4$ N/mm²	0.89 kN
Aerated concrete $f_{ck} \geq 6$ N/mm²	1.60 kN
Transverse load $V_{Rk,s}$	
Steel screw (γMs = 1.25)	17.4 kN
Stainless steel screw (γMs = 1.56)	16.2 kN
Bending moment $M_{Rk,s}$	
Steel screw (γMs = 1.25)	50.0 Nm
Stainless steel screw (γMs = 1.56)	46.7 Nm

Applications



Technical specifications

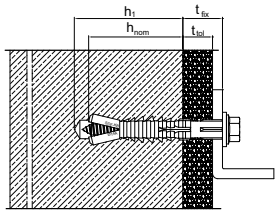


Certifications



Base materials

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



Product in the online shop

Order description	Length [mm]	Fastening thickness t_{fix} ≤ [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Anchors with steel screws with zinc-plated Cr(VI)-free coating (-V)						
SDF-KB-14Ax80-V	80	10	50		8590080430	4061245018676
SDF-KB-14Ax100-V	100	30	50		8590100430	4061245018652

Facade anchor SDP-S-10G



Application range

> Installation of wood parts

Characteristics

> Countersunk head
> Facade anchor with two-stage screw
> Reliable form fit in the substrate thanks to combined expansion zones
> High load-bearing capacity
> Available with steel screws or stainless steel screws
> Product identification through different sleeve colours

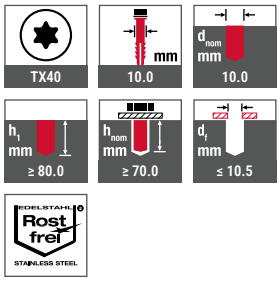
Notice

For planning and processing, please observe approval ETA-12/0502. For bricks of unknown quality, the load-bearing capacity must be determined through pull-out tests on the structure.

Applications



Technical specifications



Certifications

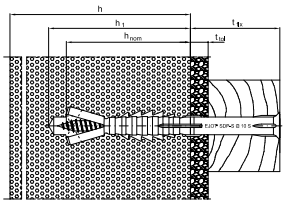


Base materials

Approved for
> Aerated concrete

Cross references	page
Flat roof profile FP	232
Cordless screwdriver ASCM QSW	422
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Bit hexalobular TX 40	439
Tool belt	451
Cleaning brush	455
Blow-out pump	455
Corrosion protection spray	456

Admissible loads	
Compressive strength of aerated concrete [N/mm²]	
Aerated concrete f_{ck} ≥ 2 N/mm²	0.27 kN
Aerated concrete f_{ck} ≥ 3 N/mm²	0.47 kN
Aerated concrete f_{ck} ≥ 4 N/mm²	0.67 kN
Aerated concrete f_{ck} ≥ 6 N/mm²	1.07 kN
Characteristic Bending moment	
Steel screw (γMs = 1.5)	11.80 Nm
Stainless steel screw (γMs = 1.87)	11.02 Nm



Product in the online shop

Order description	Length [mm]	Fastening thickness t_{fix} ≤ [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Anchors with steel screws with zinc-plated Cr(VI)-free coating (-V)						
SDP-S-10Gx120-V	120	50	50		8530120420	4061245019420
SDP-S-10Gx140-V	140	70	50		8530140420	4061245019406
SDP-S-10Gx160-V	160	90	50		8530160420	4061245019383

Further lengths and A2 stainless steel upon request



Facade anchor SDP-KB-10G



Application range

> For installation of metal components

Characteristics

> Hexagon head with flange
> Facade anchor with two-stage screw
> Reliable form fit in the substrate thanks to combined expansion zones
> High load-bearing 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. For bricks of unknown quality, the load-bearing capacity must be determined through pull-out tests on the structure.

Cross references	page
Cordless screwdriver ASCM QSW	422
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Bit hexalobular TX 40	439
Socket wrench	442
Tool belt	451
Cleaning brush	455
Blow-out pump	455
Corrosion protection spray	456

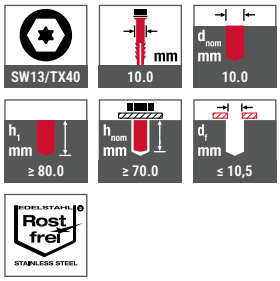
Product in the online shop

Admissible loads	
Compressive strength of aerated concrete [N/mm²]	
Aerated concrete f_{ck} ≥ 2 N/mm²	0.27 kN
Aerated concrete f_{ck} ≥ 3 N/mm²	0.47 kN
Aerated concrete f_{ck} ≥ 4 N/mm²	0.67 kN
Aerated concrete f_{ck} ≥ 6 N/mm²	1.07 kN
Characteristic Bending moment	
Steel screw (γMs = 1.5)	11.80 Nm
Stainless steel screw (γMs = 1.87)	11.02 Nm

Applications



Technical specifications

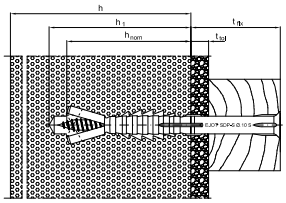


Certifications



Base materials

Approved for
> Aerated concrete



Order description	Length [mm]	Fastening thickness t_{fix} ≤ [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Anchors with steel screws with zinc-plated Cr(VI)-free coating (-V)						
SDP-KB-10Gx80-V	80	10	100		8532080420	4061245019307
SDP-KB-10Gx100-V	100	30	50		8532100420	4061245019277
Anchors with A4 stainless steel screws (-E)						
SDP-KB-10Gx80-E	80	10	100		8532080620	4061245019291
SDP-KB-10Gx100-E	100	30	50		8532100620	4061245019260

Further lengths upon request

VSD 2G 8U Cavity Wall Repair Anchor



Application range

> For subsequent securing of outer sheets to buildings
> Cost-effective restoring of the structural integrity

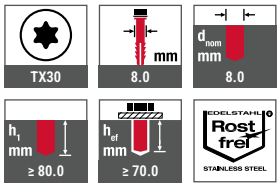
Characteristics

> Additional length 145 mm for subsequent securing of face bricks
> Optimised expansion zone - now also for post-securing of vertically perforated clinkers
> Universal expansion zone - secure installation in all substrates (A-C)
> Double expansion wall anchor: simultaneous embedment in both the supporting wall and the outer sheet
> The use of A4 stainless steel screws guarantees corrosion protection
> With general building authorities approval
> Clean and fast installation
> Can be installed at 0°C

Notice

The VSD cavity wall repair anchor enables the subsequent renovation of double-sheet masonry. Advanced corrosion or a complete lack of wire anchors can lead to decreased stability of the curtain wall 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 curtain wall.

Technical specifications



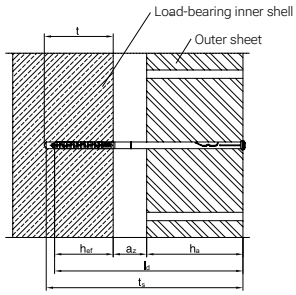
Certifications



Base materials

Suitable for load-bearing inner sheets made of
> Concrete
> Solid brick
> Perforated brick
and outer sheet of
> Solid clinker
> Vertically perforated clinker
> Face brick

Cross references	page
Cordless screwdriver ASCM QSW	422
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Bit hexalobular TX 30	439
Tool belt	451
Cleaning brush	455
Blow-out pump	455



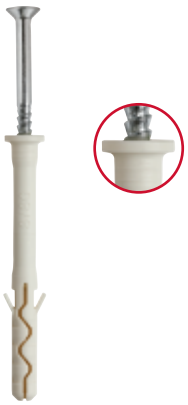
Assembly instruction

Product in the online shop

Order description	Length l_d [mm]	Drill hole depth $t_s \leq$ [mm]	Max. air layer thickness az [mm]	Curtain wall $h_a \geq$ [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Anchors with A4 stainless steel screws (-E)								
VSD-2G-8Ux145-E	145	155	–	60*	100		8502145600	4061245081939
VSD-2G-8Ux205-E	205	215	20	115	100		8502205600	4039161009771
VSD-2G-8Ux225-E	225	235	40	115	100		8502225600	4039161009788
VSD-2G-8Ux245-E	245	255	60	115	100		8502245600	4039161009795
VSD-2G-8Ux265-E	265	275	80	115	100		8502265600	4039161009801
VSD-2G-8Ux285-E	285	295	100	115	100		8502285600	4039161009818
VSD-2G-8Ux305-E	305	315	120	115	100		8502305600	4039161009825

*Face brick

Nail anchor ND-K



Application range

Speed plug for light-duty fixings:
> Substructures
> Cabinets, Skirting boards, lath
> Cable ducts, cable clamps
> pipe supports

Characteristics

> Ready-to-install nylon collar flange plug with nail made of zinc-plated steel (GVZ) / Stainless steel
> Drive-in installation
> Nail head with Pozidriv recess for removal or adjustment of the anchor
> The plug collars serve as plastic insulating washers and thus prevent contact corrosion
> GVZ for dry indoor areas

Technical specifications

Z2

Base materials

Suitable for
> Concrete
> Solid clay brick
> Vertically perforated brick

Cross references	page
Cordless screwdriver ASCM QSW	422
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Cross recess Z2	438

Characteristic values			Recommended loads Non-cracked concrete C20/25		Recommended loads Solid clay brick f_b 20.5 N/mm²	
Type	d_0 [mm]	h_{ef} [mm]	N_{Rec} [kN]	V_{Rec} [kN]	N_{Rec} [kN]	V_{Rec} [kN]
5x30	5	30	0.1	0.1	0.1	0.1
5x40	5	30	0.1	0.1	0.1	0.1
5x50	5	30	0.1	0.1	0.1	0.1
6x40	6	30	0.2	0.2	0.2	0.2
6x60	6	30	0.2	0.2	0.2	0.2
6x80	6	30	0.2	0.2	0.2	0.2
8x60	8	40	0.3	0.3	0.3	0.3
8x80	8	40	0.3	0.3	0.3	0.3
8x100	8	40	0.3	0.3	0.3	0.3

Product in the online shop

Order description	Length [mm]	Fastening thickness t_{fix} [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Anchors with zinc-plated steel nail (GVZ)						
ND-K 5/30 V	30	0-5	200		9650075678	4061245083001
ND-K 6/40 V	40	10	200		9650075679	4061245083032
ND-K 8/60 V	60	20	100		9650075684	4061245083063
Anchors with stainless steel nail						
ND-K 6/40 E	40	10	200		9650075692	4061245083094

Further lengths upon request

Nail anchor ND-S



Cross references	page
Cordless screwdriver ASCM QSW	422
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Cross recess Z2	438

Application range

Speed plug for light-duty fixings:
> Substructures
> Cabinets, Skirting boards, lath
> Cable ducts, cable clamps
> Pipe supports

Characteristics

> Ready-to-install nylon countersunk plug with nail made of zinc-plated steel (GVZ)
> Drive-in installation
> Nail screw head with Pozidriv recess for the removal or adjustment of the anchor
> GVZ for dry indoor areas

Characteristic values			Recommended loads Non-cracked concrete C20/25		Recommended loads Solid clay brick f_b 20.5 N/mm²	
Type	d_0 [mm]	h_{ef} [mm]	N_{Rec} [kN]	V_{Rec} [kN]	N_{Rec} [kN]	V_{Rec} [kN]
5x30	5	30	0.1	0.1	0.1	0.1
5x40	5	30	0.1	0.1	0.1	0.1
5x50	5	30	0.1	0.1	0.1	0.1
6x40	6	30	0.2	0.2	0.2	0.2
6x60	6	30	0.2	0.2	0.2	0.2
6x80	6	30	0.2	0.2	0.2	0.2
8x60	8	40	0.3	0.3	0.3	0.3
8x80	8	40	0.3	0.3	0.3	0.3
8x100	8	40	0.3	0.3	0.3	0.3

Technical specifications



Base materials

Suitable for
> Concrete
> Solid clay brick
> Vertically perforated brick

Product in the online shop



Order description	Length [mm]	Fastening thickness t_{fix} [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Anchors with zinc-plated steel nail						
ND-S 6/40 V	40	10	200		9650075660	4061245083131

Further lengths and A2 stainless steel upon request



Product overview through bolts

	BA-V Plus	BA-E Plus
Anchor		
Material	Carbon steel zinc-plated	Stainless steel A4
Application range	Dry indoor conditions, indoor with temporary condensation	For indoor, outdoor, industrial use and maritime climate.
Base materials	Cracked concrete Non-cracked concrete	Cracked concrete Non-cracked concrete
Thread size*	M8, M10, M12, M16	M8, M10, M12, M16
Drive	SW13 SW17 SW19 SW24	SW13 SW17 SW19 SW24
Tools	Setting tool BA	Setting tool BA
Technical specifications		
Approvals	ETA-16/0934 ETA-18/0219	ETA-16/0934 ETA-18/0219

Note: Diameter M6 for multiple use for non-structural applications in concrete available on demand.

Through bolt BA-V-Plus



Cross references	page
Cordless hammer drill ABH	427
Power key	455

Application range

- For embedment in cracked and non-cracked concrete ≥ C20/25
- Dry internal conditions
- For embedment of medium-heavy to heavy fixings such as pillars, metal structures and wooden structures
- For pre-, push-through and distance installations

Characteristics

- Zinc-plated steel
- Approval for concrete, option 1
- Fire resistance classes F30, F60, F90, F120

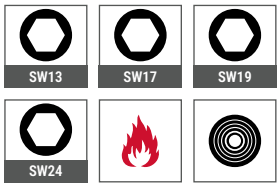
Notice

Characteristic values apply to the compression strength of C20/25 concrete. Design load of an anchor for centric tension in cracked concrete. The load values in these tables are based on concrete C20/25, $f_{ck,cube}$ = 25 N/mm²; correct installation; no influence of centre and edge distances; observe the minimum thickness of the base material

Applications

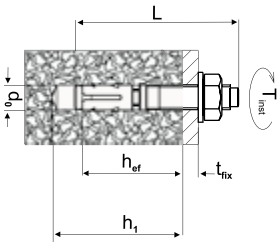


Technical specifications



Certifications





Assembly instruction



Anchor type	Effective embedment depth h_{ef} [mm]	Permitted load F_{zul} [kN]	Centre distance [mm]			Edge distance [mm]			Permitted Bending moment M_{zul} [Nm]	Tightening torque T_{inst} [Nm]
			$s_{cr,N}$	S_{min}	C	$c_{cr,N}$	C_{min}	S		
BA-V Plus 8	35	2.4	106	55	75	53	40	140	15.0	15
	48	4.0	144	35	50	72	40	55	15.0	15
BA-V Plus 10	40	4.1	120	50	95	60	50	190	28.6	30
	60	5.7	180	40	60	90	50	100	28.6	30
BA-V Plus 12	50	5.8	150	55	110	75	60	215	49.1	60
	70	7.6	210	60	70	105	55	110	49.1	60
BA-V Plus 16	85	11.4	254	65	95	127	65	150	122.7	110

Product in the online shop

Order description	d_0 [mm]	L [mm]	$t_{fix} \leq$ [mm]	$h_1 \geq$ [mm]	$h_{ef} \geq$ [mm]	SW [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
BA-V-PLUS-8/5/-	8	57	5	47	35	13	50		9650001308	4061245090719
BA-V-Plus-8/23/10	8	75	23/10	47/60	35/48	13	50		9650001310	4061245037004
BA-V-Plus-8/43/30	8	95	43/30	47/60	35/48	13	50		9650001312	4061245037011
BA-V-PLUS-10/10/-	10	72	10	55	40	17	40		9650001323	4061245037042
BA-V-Plus-10/30/10	10	92	30/10	55/75	40/60	17	40		9650001325	4061245037059
BA-V-Plus-10/40/20	10	102	40/20	55/75	40/60	17	25		9650001326	4061245037066
BA-V-PLUS-12/10/-	12	88	10	70	50	19	20		9650001338	4061245037103
BA-V-Plus-12/25/5	12	103	25/5	70/90	50/70	19	20		9650001340	4061245037110
BA-V-Plus-12/40/20	12	118	40/20	70/90	50/70	19	20		9650001342	4061245037127
BA-V-PLUS-16/20	16	138	20	110	85	24	10		9650001359	4061245038902
BA-V-PLUS-16/50	16	168	50	110	85	24	10		9650001362	4061245038926

Through bolt BA-E Plus



Application range

- For embedment in cracked and non-cracked concrete ≥ C20/25
- Dry internal conditions
- Wet areas
- Outdoors, including in industrial atmospheres and coastal environments
- For embedment of medium-heavy to heavy fixings such as pillars, metal structures and wooden structures
- For pre-, push-through and distance installations

Characteristics

- A4 stainless steel
- HCR stainless steel 1.4529 available upon request
- Approval for concrete, option 1
- Fire resistance classes F30, F60, F90, F120

Notice

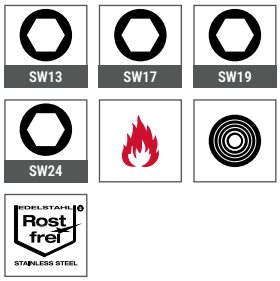
Characteristic values apply to the compression strength of C20/25 concrete. Design load of an anchor for centric tension in cracked concrete. The load values in these tables are based on concrete C20/25, $f_{ck,cube}$ = 25 N/mm²; correct installation; no influence of centre and edge distances; observe the minimum thickness of the base material

Cross references	page
Cordless hammer drill ABH	427
Power key	455

Applications

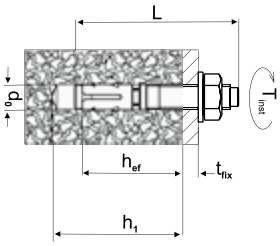


Technical specifications



Certifications





Assembly instruction

Anchor type	Effective embedment depth h_{ef} [mm]	Permitted load F_{zul} [kN]	Centre distance [mm]			Edge distance [mm]			Permitted Bending moment M_{zul} [Nm]	Tightening torque Tinst [Nm]
			$s_{cr,N}$	S_{min}	C	$c_{cr,N}$	C_{min}	S		
BA-E Plus 8	35	2.4	144	35	50	72	40	55	15.0	20
	48	4.0	144	35	50	72	40	55	15.0	20
BA-E Plus 10	40	4.1	120	50	95	60	50	190	28.6	45
	60	5.7	180	40	60	90	50	100	28.6	45
BA-E Plus 12	50	5.8	150	55	110	75	60	215	49.1	60
	70	7.6	210	60	70	105	55	110	49.1	60
BA-E Plus 16	85	11.4	254	65	95	127	65	150	122.7	110

Product in the online shop

Order description	d_0 [mm]	L [mm]	$t_{fix} \leq$ [mm]	$h_1 \geq$ [mm]	$h_{ef} \geq$ [mm]	SW [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
BA-E-PLUS-8/5/-	8	57	5	47	35	13	50		9650005308	4061245090733
BA-E-Plus-8/23/10	8	75	23/10	47/60	35/48	13	50		9650005310	4061245037349
BA-E-Plus-8/43/30	8	95	43/30	47/60	35/48	13	50		9650005312	4061245037356
BA-E-PLUS-10/10/-	10	72	10	55	40	17	40		9650005323	4061245037387
BA-E-Plus-10/30/10	10	92	30/10	55/75	40/60	17	40		9650005325	4061245037394
BA-E-Plus-10/40/20	10	102	40/20	55/75	40/60	17	25		9650005326	4061245037400
BA-E-PLUS-12/10/-	12	88	10	70	50	19	20		9650005338	4061245037448
BA-E-Plus-12/25/5	12	103	25/5	70/90	50/70	19	20		9650005340	4061245037455
BA-E-Plus-12/40/20	12	118	40/20	70/90	50/70	19	20		9650005342	4061245037462
BA-E-PLUS-16/20	16	138	20	110	85	24	10		9650005359	4061245038988
BA-E-PLUS-16/50	16	168	50	110	85	24	10		9650005362	4061245039008

Further lengths upon request



EJOT®

KERI anchor

Basis of a perfect refurbishment of three-layer exterior walls by subsequent fixing of rain screens

- KERI rain screen anchor made of A4 stainless steel
- Easy and quick installation
- Vertical load transfer of existing building fabric
- Vertical load transfer of the new facade system
- High anchor-carrying capacity
- Smallest edge and centre distances

www.ejot.com/keri-anchor



NEW Drop-in anchor JS+



Cross references	page
Cordless hammer drill	427
Installation tool drop-in anchor	453

Application range

- Suspension systems
- Pipelines
- Air ducts
- Sprinkler systems
- Cable racks
- Machinery
- Consoles
- Ceiling girders
- For dry indoor use
- Approved for usage in pre-stressed hollow core ceiling slabs (ETA-22/0912)
- For pre-assembly with an assembly tool

Characteristics

- Zinc-plated steel
- Internal thread for metric screws and rods

Advantages

- The small required drill hole depth facilitates drilling and overhead mounting

Applications



Technical specifications



Certifications

ETA-22/0912 ETA-22/0913

Base materials

Approved for
- Cracked concrete
- Non-cracked concrete

Assembly instruction

Product in the online shop

Order description	Internal thread [mm]	L [mm]	d_0 [mm]	h_1 [mm]	f_{max} [mm]	f_{min} [mm]	d_f [mm]	T_{inst} [Nm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JS+ 6	M6	25	8	27	10	6	7	4	100		9650070106	4061245093499
JS+ 8	M8	30	10	33	13	8	9	11	100		9650070107	4061245093505
JS+ 10	M10	40	12	43	17	10	12	17	50		9650070109	4061245093529
JS+ 12	M12	50	15	54	21	12	14	38	25		9650070111	4061245093543

NEW Drop-in anchor JE+



Cross references	page
Cordless hammer drill	427
Installation tool drop-in anchor	453

Application range

> Suspension systems
> Pipelines
> Air ducts
> Sprinkler systems
> Cable racks
> Machinery
> Consoles
> Ceiling girders
> For dry indoor and outdoor areas
> For pre-assembly with an assembly tool

Characteristics

> A4 stainless steel
> Internal thread for metric screws and rods

Advantages

> The small required drill hole depth facilitates drilling and overhead mounting

Applications



Technical specifications

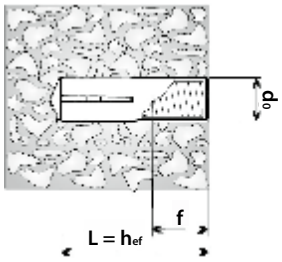


Certifications

CE
ETA-22/0912

Base materials

Approved for
> Cracked concrete
> Non-cracked concrete



Assembly instruction

Product in the online shop

Order description	Internal thread [mm]	L [mm]	d_0 [mm]	h_1 [mm]	f_{max} [mm]	f_{min} [mm]	d_f [mm]	T_{inst} [Nm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JE +6	M6	25	8	27	10	6	7	4	100		9650070113	4061245093567
JE +8	M8	30	10	33	13	8	9	11	100		9650070114	4061245093574
JE +10	M10	40	12	43	17	10	12	17	50		9650070115	4061245093581
JE +12	M12	50	15	54	21	12	14	38	25		9650070116	4061245093598

Product overview LIEBIG® safety bolts and LIEBIG® undercut anchors

	Safety Bolt B	Safety Bolt S	Safety Bolt SK
Anchor			
Material	Galvanized zinc-plated steel	Galvanized zinc-plated steel	Galvanized zinc-plated steel
Application range	Steel structures, machinery, crash barriers, car lifting systems, railings, base plates, storage racks	Steel structures, machinery, crash barriers, car lifting systems, railings, base plates, storage racks	Steel structures, machinery, crash barriers, car lifting systems, railings, base plates, storage racks
Mode of action	Friction locking	Friction locking	Friction locking
Cracked concrete ETAG-001-1 (single fastening)	M8 – M16	M8 – M16	M8 – M16
Non-cracked concrete	M8 – M16	M8 – M16	M8 – M16
Certifications	ETA-06/0108 Option 1	ETA-06/0108 Option 1	ETA-06/0108 Option 1
Earthquakes	–	–	–
Fire protection			
Civil protection	•	•	•
Type of load	Static	Static	Static
Admissible tensile load [kN]	2.4 – 24.0	2.4 – 24.0	2.4 – 24.0
Admissible shear load [kN]	8.6 – 54.9	8.6 – 54.9	8.6 – 54.9

Self-undercutting anchor SUPERPLUS BLS	Self-undercutting anchor SUPERPLUS BLS A4	Step Iron Anchor SUPERPLUS A4	Lightning protection anchor SUPERPLUS BLS M8-14 A4
			
Galvanized zinc-plated steel	A4 stainless steel	A4 stainless steel	A4 stainless steel
Power plants, crash barriers, machines base plates. For dynamic and seismic loads, small spacings and edge distances	Power plants, crash barriers, machines base plates. For dynamic and seismic loads, small spacings and edge distances	Step iron fixings as per DIN 1211-3 / DIN 1212-3	Retrofitted grounding systems
Form fit	Form fit	Form fit	Form fit
M8 – M16	M8 – M16	M8	No ETA
M8 – M16	M8 – M16	M8	No ETA
CE ETA-01/0011	CE ETA-01/0011	CE ETA-01/0011	–
		–	–
			–
•	•	•	–
Static	Static	Static	–
4.3 – 83.7	4.3 – 83.7	4.3 – 83.7	–
23.7 – 67.4	23.7 – 67.4	23.7 – 67.4	–

LIEBIG® safety bolt S



Cross references	page
Cordless hammer drill ABH	427
Power key	455

Application range

- Steel structures
- Machinery
- Guard rails
- Automatic hub systems
- Railings
- Base plates
- Storage racks

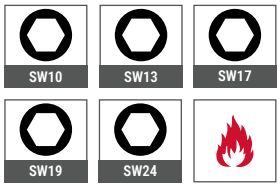
Characteristics

- Safety bolt with hexagon screw
- Zinc-plated steel
- Torque-controlled heavy-duty anchor with double cone for push-through installation
- Suitable for heavy loads due to optimum frictional resistance. Cylindrical, wide expansion zone of the sleeve along the whole length
- With dome-shaped washers for visual assembly inspection
- For dry indoor and temporary outdoor use
- Removable

Notice

The load values in these tables are based on concrete C20/25, $f_{ck,cube}$ = 25 N/mm²; correct installation; no influence of centre and edge distances; observe the minimum thickness of the base material

Technical specifications

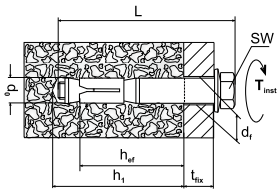


Certifications



Base materials

Approved for
- Cracked concrete
- Non-cracked concrete



Characteristic values						Admissible loads non-cracked concrete C20/25		Admissible loads cracked concrete C20/25	
Type	d_f [mm]	SW [mm]	d_0 [mm]	h_{ef} [mm]	T_{inst} [Nm]	N_{Rec} [kN]	V_{Rec} [kN]	N_{Rec} [kN]	V_{Rec} [kN]
M8-12/55/5	14	13	12	55	20	4.8	9.8	3.6	7.0
M8-12/55/15	14	13	12	55	20	4.8	9.8	3.6	7.0
M8-12/55/40	14	13	12	55	20	4.8	9.8	3.6	7.0
M10-15/70/5	17	17	15	70	60	9.5	22.3	7.6	20.1
M10-15/70/15	17	17	15	70	60	9.5	22.3	7.6	20.1
M10-15/70/40	17	17	15	70	60	9.5	22.3	7.6	20.1
M12-20/80/5	21	19	20	80	90	17.1	34.3	12.3	24.5
M12-20/80/15	21	19	20	80	90	17.1	34.3	12.3	24.5
M12-20/80/40	21	19	20	80	90	17.1	34.3	12.3	24.5

Product in the online shop

Order description	Nominal size [mm]	L [mm]	d_0 [mm]	h_1 [mm]	t_{fix} [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
LIEBIG S M8-12/55/5	M8	80	12	70	5	25		9652055105	4061245001043
LIEBIG S M8-12/55/15	M8	90	12	70	15	25		9652055115	4061245001036
LIEBIG S M8-12/55/40	M8	115	12	70	40	25		9652055140	4061245001029
LIEBIG S M10-15/70/5	M10	95	15	85	5	25		9655070105	4061245000459
LIEBIG S M10-15/70/15	M10	105	15	85	15	25		9655070115	4061245000442
LIEBIG S M10-15/70/40	M10	130	15	85	40	10		9655070140	4061245000435
LIEBIG S M12-20/80/5	M12	113	20	100	5	10		9650080105	4061245001531
LIEBIG S M12-20/80/15	M12	123	20	100	15	10		9650080115	4061245001524
LIEBIG S M12-20/80/40	M12	148	20	100	40	10		9650080140	4061245001517

Further lengths upon request



LIEBIG® safety bolt B



Cross references	page
Cordless hammer drill ABH	427
Power key	455

Application range

> Steel structures
> Machinery
> Guard rails
> Automatic hub systems
> Railings
> Base plates
> Storage racks

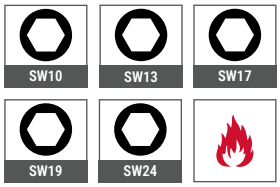
Characteristics

> Safety bolt with threaded bolt and nut
> Zinc-plated steel
> Torque-controlled heavy-duty anchor with double cone for push-through installation
> Suitable for heavy loads due to optimum frictional resistance. Cylindrical, wide expansion zone of the sleeve along the whole length
> With dome-shaped washers for visual assembly inspection
> For dry indoor and temporary outdoor use
> Removable

Notice

The load values in these tables are based on concrete C20/25, $f_{ck,cube}$ = 25 N/mm²; correct installation; no influence of centre and edge distances; observe the minimum thickness of the base material

Technical specifications

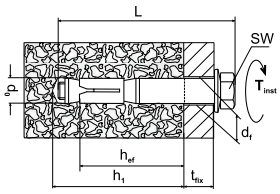


Certifications



Base materials

Approved for
> Cracked concrete
> Non-cracked concrete



Characteristic values						Admissible loads non-cracked concrete C20/25		Admissible loads cracked concrete C20/25	
Type	d_f [mm]	SW [mm]	d_0 [mm]	h_{ef} [mm]	T_{inst} [Nm]	N_{Rec} [kN]	V_{Rec} [kN]	N_{Rec} [kN]	V_{Rec} [kN]
M8-12/55/5	14	13	12	55	15	4.8	9.8	3.6	7.0
M8-12/55/15	14	13	12	55	15	4.8	9.8	3.6	7.0
M8-12/55/40	14	13	12	55	15	4.8	9.8	3.6	7.0
M8-12/55/65	14	13	12	55	15	4.8	9.8	3.6	7.0
M8-12/55/100	14	13	12	55	15	4.8	9.8	3.6	7.0
M10-15/70/5	17	17	15	70	40	9.5	22.3	7.6	20.1
M10-15/70/15	17	17	15	70	40	9.5	22.3	7.6	20.1
M10-15/70/40	17	17	15	70	40	9.5	22.3	7.6	20.1
M10-15/70/65	17	17	15	70	40	9.5	22.3	7.6	20.1
M10-15/70/100	17	17	15	70	40	9.5	22.3	7.6	20.1
M12-20/80/5	21	19	20	80	70	17.1	34.3	12.3	24.5
M12-20/80/15	21	19	20	80	70	17.1	34.3	12.3	24.5
M12-20/80/40	21	19	20	80	70	17.1	34.3	12.3	24.5
M12-20/80/65	21	19	20	80	70	17.1	34.3	12.3	24.5
M12-20/80/100	21	19	20	80	70	17.1	34.3	12.3	24.5

Product in the online shop

Order description	Nominal size [mm]	L [mm]	d_0 [mm]	h_1 [mm]	t_{fix} [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
LIEBIG B M8-12/55/5	M8	85	12	70	5	25		9652055005	4061245001098
LIEBIG B M8-12/55/15	M8	95	12	70	15	25		9652055015	4061245001081
LIEBIG B M8-12/55/40	M8	120	12	70	40	25		9652055040	4061245001074
LIEBIG B M8-12/55/65	M8	145	12	70	65	25		9652055065	4061245001067
LIEBIG B M8-12/55/100	M8	180	12	70	100	25		9652055100	4061245001050
LIEBIG B M10-15/70/5	M10	100	15	85	5	25		9655070005	4061245000503
LIEBIG B M10-15/70/15	M10	110	15	85	15	25		9655070015	4061245000497
LIEBIG B M10-15/70/40	M10	135	15	85	40	10		9655070040	4061245000480
LIEBIG B M10-15/70/65	M10	160	15	85	65	10		9655070065	4061245000473
LIEBIG B M10-15/70/100	M10	195	15	85	100	10		9655070100	4061245000466
LIEBIG B M12-20/80/5	M12	120	20	100	5	10		9650080005	4061245001593
LIEBIG B M12-20/80/15	M12	130	20	100	15	10		9650280015	4061245001142
LIEBIG B M12-20/80/40	M12	155	20	100	40	10		9650080040	4061245001562
LIEBIG B M12-20/80/65	M12	180	20	100	65	10		9650080065	4061245001555
LIEBIG B M12-20/80/100	M12	215	20	100	100	10		9650080100	4061245001548

Further lengths upon request

LIEBIG® safety bolt SK



Cross references	page
Cordless hammer drill ABH	427
Power key	455

Application range

- Steel structures
- Machinery
- Guard rails
- Railings
- Base plates
- Storage racks

Characteristics

- Safety bolt with countersunk screw
- Zinc-plated steel
- Torque-controlled heavy-duty anchor with double cone for push-through installation
- Suitable for heavy loads thanks to the optimum frictional resistance
- Cylindrical, wide expansion zone of the sleeve along the whole length
- For dry indoor use
- Removable

Notice

The load values in these tables are based on concrete C20/25, $f_{ck,cube}$ = 25 N/mm²; correct installation; no influence of centre and edge distances; observe the minimum thickness of the base material

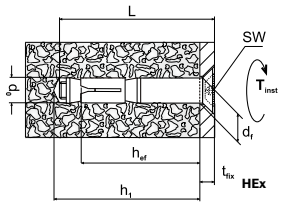
Technical specifications

Certifications

ETA-06/0108 Option 1

Base materials

Approved for
- Cracked concrete
- Non-cracked concrete



Characteristic values						Admissible loads non-cracked concrete C20/25		Admissible loads cracked concrete C20/25	
Type	d_f [mm]	HEx [mm]	d_0 [mm]	h_{ef} [mm]	T_{inst} [Nm]	N_{Rec} [kN]	V_{Rec} [kN]	N_{Rec} [kN]	V_{Rec} [kN]
M6-10/45/15	12	4	10	45	12	3.0	7.2	2.4	5.2
M6-10/45/40	12	4	10	45	12	3.0	7.2	2.4	5.2
M8-12/55/15	14	5	12	55	20	4.8	9.8	3.6	7.0
M8-12/55/40	14	5	12	55	20	4.8	9.8	3.6	7.0

Product in the online shop

Order description	Nominal size [mm]	L [mm]	d_0 [mm]	h_1 [mm]	t_{fix} [mm]	d_k [mm]	k [mm]	HEX [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
LIEBIG SK M6-10/45/15	M6	70	10	60	15	20	5.5	4	50		9650045415	4061245005591
LIEBIG SK M6-10/45/40	M6	95	10	60	40	20	5.5	4	50		9650045440	4061245005584
LIEBIG SK M8-12/55/15	M8	85	12	70	15	20	6.5	5	25		9652055415	4061245000947
LIEBIG SK M8-12/55/40	M8	110	12	70	40	24	6.5	5	25		9652055440	4061245000930

Further lengths upon request

LIEBIG® self-undercutting anchor SUPERPLUS BLS



Cross references	page
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Socket wrench	443
Torque wrench	444
Installation tool through bolt	452
Cleaning brush	455
Blow-out pump	455

Application range

> Power plants
> Guard rails
> Machinery
> Base plates
> For dynamic and seismic loads
> Small spacings and edge distances

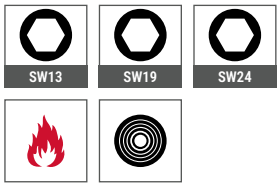
Characteristics

> Self-undercutting anchor with threaded bolt, nut and washer
> Zinc-plated steel
> Automatic self-undercutting, unique heavy-duty anchor for push through installation
> Simplest, quickest and safest solution on the market
> Cost-effective: No special drills, undercutting or setting tools required
> Minimal expansion forces allow for small centre and edge distances
> For dry indoor use
> Removable

Notice

The load values in these tables are based on concrete C20/25, $f_{ck,cube}$ = 25 N/mm²; correct installation; no influence of centre and edge distances; observe the minimum thickness of the base material

Technical specifications

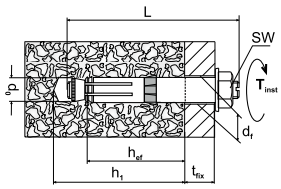


Certifications



Base materials

Approved for
> Cracked concrete
> Non-cracked concrete



Characteristic values						Admissible loads non-cracked concrete C20/25		Admissible loads cracked concrete C20/25	
Type	d_f [mm]	SW [mm]	d_0 [mm]	h_{ef} [mm]	T_{inst} [Nm]	N_{Rec} [kN]	V_{Rec} [kN]	N_{Rec} [kN]	V_{Rec} [kN]
M8-14/80/25	16	13	14	80	25	13.9	23.7	7.6	23.7
M12-20/80/15	21	19	20	80	80	17.2	34.4	11.9	24.6
M12-20/80/30	21	19	20	80	80	17.2	34.4	11.9	24.6
M16-25/150/30	26	24	25	150	180	44.1	67.4	23.8	63.0
M16-25/200/40	26	24	25	200	180	59.8	67.4	35.7	67.4
M16-25/200/60	26	24	25	200	180	59.8	67.4	35.7	67.4

Product in the online shop

Order description	Nominal size [mm]	L [mm]	d_0 [mm]	h_1 [mm]	t_{fix} [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
LIEBIG SUPERPLUS BLS M8-14/80/25	M8	130	14	100	25	25		9654080025	4061245000756
LIEBIG SUPERPLUS BLS M12-20/80/15	M12	130	20	105	15	10		9650080015	4061245001586
LIEBIG SUPERPLUS BLS M12-20/80/30	M12	145	20	105	30	10		9650080030	4061245001579
LIEBIG SUPERPLUS BLS M16-25/150/30	M16	220	25	185	30	5		9655150030	4061245000091
LIEBIG SUPERPLUS BLS M16-25/200/40	M16	280	25	235	40	5		9655200040	4061245000039
LIEBIG SUPERPLUS BLS M16-25/200/60	M16	300	25	235	60	5		9655200060	4061245000022

Further lengths upon request

LIEBIG® self-undercutting anchor SUPERPLUS BLS A4



Cross references	page
Cordless hammer drill ABH	427
Power key	455

Application range

- Power plants
- Guard rails
- Machinery
- Base plates
- For dynamic and seismic loads
- Small spacings and edge distances

Characteristics

- Self-undercutting anchor with threaded bolt, nut and washer
- A4-80 stainless steel
- Automatic self-undercutting, unique heavy-duty anchor for push through installation
- Simplest, quickest and safest solution on the market
- Cost-effective: No special drills, undercutting or setting tools required
- Minimal expansion forces allow for small centre and edge distances
- For indoor and outdoor areas, as well as industrial applications
- Removable

Notice

The load values in these tables are based on concrete C20/25, $f_{ck,cube}$ = 25 N/mm²; correct installation; no influence of centre and edge distances; observe the minimum thickness of the base material

Technical specifications

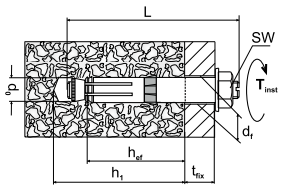
SW16 SW19 SW24

Certifications

ETA-01/0011 Option 1

Base materials

Approved for
- Cracked concrete
- Non-cracked concrete



Characteristic values						Admissible loads non-cracked concrete C20/25		Admissible loads cracked concrete C20/25	
Type	d_f [mm]	SW [mm]	d_0 [mm]	h_{ef} [mm]	T_{inst} [Nm]	N_{Rec} [kN]	V_{Rec} [kN]	N_{Rec} [kN]	V_{Rec} [kN]
M8-14/80/25	16	16	14	80	25	13.1	24.0	5.7	24.0
M12-20/80/15	21	19	20	80	80	17.2	34.4	11.9	24.5
M16-25/150/30	26	24	25	150	180	44.1	67.4	28.6	63.0

Product in the online shop

Order description	Nominal size [mm]	L [mm]	d_0 [mm]	h_1 [mm]	t_{fix} [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
LIEBIG SUPERPLUS BLS M8-14/80/25 A4	M8	130	14	100	25	25		9654080254	4061245000732
LIEBIG SUPERPLUS BLS M12-20/80/15 A4	M12	130	20	105	15	10		9650080154	4061245001500
LIEBIG SUPERPLUS BLS M16-25/150/30 A4	M16	220	25	185	30	5		9655150304	4061245000053

Further versions upon request


SUPERPLUS SLS A4


SUPERPLUS SKLS A4


SUPERPLUS BLS-P


SUPERPLUS ILS

LIEBIG® lightning protection anchor SUPERPLUS BLS M8-14 A4



Cross references

	page
Cordless hammer drill ABH	427
Power key	455

Application range

> Retrofitted grounding systems

Characteristics

> A4 stainless steel
> Automatically self-undercutting, unique heavy duty anchor for pre-set installations
> Connected retrofitted grounding systems with reinforced bars in concrete structures
> A4 for indoor and outdoor areas, as well as industrial applications
> Removable

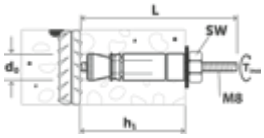
Notice

The load values in these tables are based on concrete C20/25, $f_{ck,cube}$ = 25 N/mm²; correct installation; no influence of centre and edge distances; observe the minimum thickness of the base material

Technical specifications

Base materials

Also suitable for
> Concrete



Product in the online shop

Order description	Nominal size [mm]	L [mm]	d_0 [mm]	h_1 [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
LIEBIG lightning protection anchor BLS M8-14 A4	M8	85	14	40 ... 60	25	1,890.80	9650814085	4061245001111

LIEBIG® step iron anchor SUPERPLUS A4



Cross references	page
Cordless hammer drill ABH	427
Power key	455

Application range

> Step iron fixings as per DIN 1211-3 / DIN 1212-3

Characteristics

> A4 stainless steel
> Automatic self-undercutting, unique heavy-duty anchor for push through installation
> Used to attach step irons in wastewater revision chutes. The special plastic sleeves prevent contact corrosion between the step iron and the anchor
> Also easy to install in areas difficult to access.
> A4 for indoor and outdoor areas, as well as industrial applications
> Removable

Notice

The load values in these tables are based on concrete C20/25, $f_{ck,cube}$ = 25 N/mm²; correct installation; no influence of centre and edge distances; observe the minimum thickness of the base material

Technical specifications

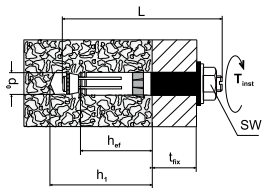
SW16

Certifications

ETA-01/0011 Option 1

Base materials

Approved for
> Cracked concrete
> Non-cracked concrete



Assembly instruction

Characteristic values						Admissible loads non-cracked concrete C20/25		Admissible loads cracked concrete C20/25	
Type	d_f [mm]	SW [mm]	d_0 [mm]	h_{ef} [mm]	T_{inst} [Nm]	N_{Rec} [kN]	V_{Rec} [kN]	N_{Rec} [kN]	V_{Rec} [kN]
M8-14/40	16	16	14	40	25	6.1	6.1	4.3	4.3
M8-14/60	16	16	14	60	25	6.1	6.1	4.3	4.3

Product in the online shop

Order description	Nominal size [mm]	L [mm]	d_0 [mm]	h_1 [mm]	t_{fix} [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
LIEBIG step iron anchor BLS M8-14/40SD A4	M8	95	14	60	25	100		9650814040	4061245001135
LIEBIG step iron anchor BLS M8-14/60SA A4	M8	115	14	80	25	25		9650040060	4061245001630

Product overview chemical installation

	Injection system Multifix USF	Injection system Multifix USF Winter
Anchor		
Material	Vinyl resin, styrene-free	Vinyl resin, styrene-free
Application range	Anchoring at medium load level in cracked and non-cracked concrete and masonry	Anchoring at medium load level in cracked and non-cracked concrete and masonry
Cracked concrete ETAG-001-1	M8-M30 Ø 8 – 32 mm	M8-M30 Ø 8 – 32 mm
Non-cracked concrete	M8-M30 Ø 8 – 32 mm	M8-M30 Ø 8 – 32 mm
Hollow masonry	M8 – M16	M8 – M16
Solid masonry	M8 – M16	M8 – M16
Technical specifications		
Approvals	ETA-16/0107 ETA-16/0089	ETA-16/0107 ETA-16/0089
Admissible tensile load [kN]	4.3 – 93.9	4.3 – 93.9
Admissible shear load [kN]	3.3 – 65.5	3.3 – 65.5

Injection system Multifix USF



Included in delivery

1 mortar cartridge USF 280 ml incl.
2 mixing nozzles
1 mortar cartridge USF 420 ml incl.
1 mixing nozzle

Cross references	page
Anchor rod	363
Mesh sleeve	364
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Applicator gun	454
Cleaning brush	455
Blow-out pump	455

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)
> Approved for anchor rods M8, M10, M12, M16, M20, M24, M27, M30

Characteristics

> Vinyl resin, styrene-free
> Can be applied to wet and water-filled holes

Notice

Please observe the corresponding approvals during planning and processing. **The storage temperature must not permanently exceed 25 °C! Please store upright!**

Installaton parameters

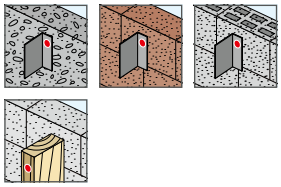
Anchor rod	d_0 [mm]	$h_{ef} = h_0$ min – max [mm]	T_{inst} concrete ≤ [Nm]
M8	10	60 – 160	10
M10	12	60 – 200	20
M12	14	70 – 240	40
M16	18	80 – 320	80
M20	24	90 – 400	120
M24	28	96 – 480	160
M27	32	108 – 540	180
M30	35	120 – 600	200

Installation parameters (USF 280 ml)

Ambient temperature [°C]	Processing time	Curing time in dry weather	Curing time in wet weather
-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

Applications

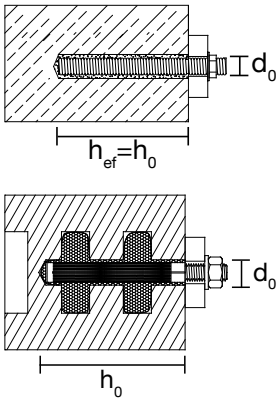


Technical specifications



Certifications

ETA-16/0107 ETA-16/0089



Product video

Assembly instruction

Consumption in solid building materials (USF 280 ml)			
Anchor rod	d_0 [mm]	h_0 [mm]	Number of fills
M8x130	10	80	41
M10x130	12	90	26
M10x170	12	130	18
M12x160	14	110	15
M16x190	18	125	8

Consumption in perforated building materials				
Mesh sleeve	Anchor rod	d_0 [mm]	h_0 [mm]	Number of fills
USF 12x80	M8	12	85	17
USF 16x85	M8/M10	16	90	11
USF 16x130	M8/M10	16	135	6
USF 20x85	M12/M16	20	90	6
USF 20x130	M12/M16	20	135	4
USF 20x200	M12/M16	20	205	2

Product in the online shop

Order description	Content [ml]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Mortar cartridge USF 280 ml	280	1		9571000280	4061245010557
Mortar cartridge USF 420 ml	420	1		9571001420	4061245081007
Mixer extension 500 mm	–	1		8682900004	4061245081106
Mixing nozzle USF	–	1		9570040141	4061245061900
Ordering information: USF 280 ml incl. 2 mixing nozzles or USF 420 ml incl. 1 mixing nozzle included in the scope of delivery					

Injection system Multifix USF Winter



Included in delivery

1 mortar cartridge
2 mixing nozzles

Cross references	page
Anchor rod	363
Mesh sleeve	364
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Applicator gun	454
Cleaning brush	455
Blow-out pump	455

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)
> Approved for anchor rods M8, M10, M12, M16, M20, M24, M27, M30

Characteristics

> Vinyl resin, styrene-free
> Cartridge temperature may conform to the low outside temperature
> Shorter curing times at low temperatures
> Can be applied to wet and water-filled holes

Notice

Please observe the corresponding approvals during planning and processing. **The storage temperature must not permanently exceed 25 °C! Please store upright!**

Installaton parameters

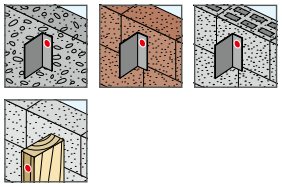
Anchor rod	d_0 [mm]	$h_{ef} = h_0$ min – max [mm]	T_{inst} concrete ≤ [Nm]
M8	10	60 – 160	10
M10	12	60 – 200	20
M12	14	70 – 240	40
M16	18	80 – 320	80
M20	24	90 – 400	120
M24	28	96 – 480	160
M27	32	108 – 540	180
M30	35	120 – 600	200

Installation parameters (USF Winter 300 ml)

Ambient temperature [°C]	Processing time	Curing time in dry weather	Curing time in wet weather
-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

Applications



Technical specifications



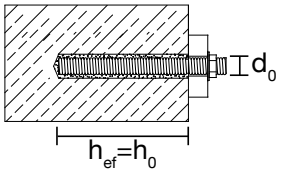
Certifications

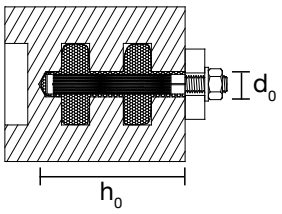
ETA-16/0107 ETA-16/0089



Notice

Plastic bag must be cut open before processing!





Product video

Assembly instruction

Consumption in solid building materials (USF winter 300 ml)			
Anchor rod	d_0 [mm]	h_0 [mm]	Number of fills
M8x130	10	80	44
M10x130	12	90	27
M10x170	12	130	19
M12x160	14	110	16
M16x190	18	125	9

Consumption in perforated building materials				
Mesh sleeve	Anchor rod	d_0 [mm]	h_0 [mm]	Number of fills
USF 12x80	M8	12	85	17
USF 16x85	M8/M10	16	90	11
USF 16x130	M8/M10	16	135	6
USF 20x85	M12/M16	20	90	6
USF 20x130	M12/M16	20	135	4
USF 20x200	M12/M16	20	205	2

Product in the online shop

Order description	Content [ml]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Mortar cartridge USF winter 300 ml	300	1		9571000300	4061245010540
Mixer extension 500 mm	–	1		8682900004	4061245081106
Mixing nozzle USF	–	1		9570040141	4061245061900
Ordering information: USF Winter 300 ml incl. 2 mixing nozzles included in the scope of delivery					

Anchor rod AST / threaded rod



Cross references	page
Mortar cartridge USF	359
Mortar cartridge USF winter	361
Mesh sleeve	364
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Cleaning brush	455
Blow-out pump	455

Application range

> For installation in concrete and solid brick
> For installation in perforated brick in combination with mesh sleeve

Properties of AST steel

> Anchor rod: property class 5.8 acc. to EN ISO 898-1
> Nut: property class 5 acc. to EN ISO 898-2
> 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

Notice

To determine the characteristic load-bearing capacity in concrete or masonry, the ETAs of the chemical resins of the Multifix range must be applied.

Technical specifications

Product in the online shop

Technical specifications

Size	Embedment depth in concrete ≥ [mm]	Embedment depth in solid brick ≥ [mm]	Drill hole depth ≥ [mm]
M10	60	90	12

Order description	Size	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Anchor rod AST, zinc-plated steel						
AST M10x130-V	M10	130	10		9570910130	4061245010588
AST M10x170-V	M10	170	10		9570910170	4061245010571
Anchor rod AST, A4 stainless steel						
AST M10x110-E	M10	110	10		9571910110	4061245061597
AST M10x130-E	M10	130	10		9571910130	4061245010472
AST M10x170-E	M10	170	10		9571910170	4061245010465

Further lengths upon request

Mesh sleeve



Application range

> For anchoring in perforated brick in combination with Multifix USF, Multifix USF Winter and Multifix PSF+.

Characteristics

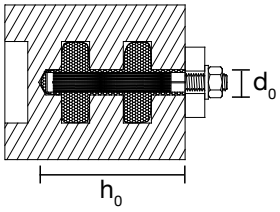
> For exact centering of the threaded rod

Notice

Please observe the ETAs of the chemical mortars in the Multifix range when planning and processing

Certifications

ETA-16/0089



Cross references	page
Mortar cartridge USF	359
Mortar cartridge USF winter	361
Mesh sleeve	364
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Cleaning brush	455
Blow-out pump	455

Product in the online shop

Order description	d_0 [mm]	h_0 [mm]	For threaded rod	PU [pieces]	Price/100 [EUR]	Article number	EAN
Mesh sleeve USF 16x85	16	85	M8/M10	10		9571016085	4061245010526
Mesh sleeve USF 16x130	16	130	M8/M10	10		9571016130	4061245010519

Further lengths upon request

EJOT® product key for concrete screws

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

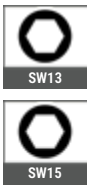
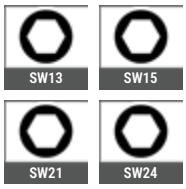
EJOT concrete screw JC2-KB Plus 14x150/35/85 ZA SW21

Example	**J**	**C**	**2**	-	**KB**	-	**Plus**	-	**14**	x	**150**	/	**35**	/	**85**	**ZA**	**SW21**
Manufacturer																	
EJOT	**J**																
Screw type																	
Concrete screw		**C**															
Material																	
Carbon steel (zinc-plated)			**2**														
A4 stainless steel with hardened steel tip			6														
Head geometries																	
Truss head with hexalobular TX					FR												
External thread					ET												
Hexagon head SW13 with internal thread M8/M10					IT												
Hexagon head with (or without) flange					**KB**												
Countersunk head with hexalobular TX					ST												
Thread																	
Type							**Plus**										
Dimensions																	
d_{nom} (Nominal diameter)									[mm]								
L (Length)											[mm]						
t_{fix} (Fixture thickness with embedment depth 2)													[mm]				
t_{fix} (Fixture thickness with embedment depth 1)															[mm]		
Corrosion protection																	
Zinc alloy																**ZA**	
Drive																	
Hexagon																	**SW21**
Hexalobular TX																	T30
Hexalobular TX																	T45
Hexalobular TX																	T50

Inherent parts of the order description

Optional parts of the order description

Product overview concrete screws

Screw	JC6-KB	JC6-FR	JC6-ST	JC2-KB Plus
				
Material	A4 stainless steel			Carbon steel, zinc-plated
Application range	Awnings, gates, shelving systems, cable traverses, handrails and railings, stadium seating, impact protection/ram protection, timber add-on components (e.g. joist hanger, angles, ...)			Facade scaffolds, temporary fastening, contact surfaces, shelves, cable racks, hand rails, battens, formworks
Drive				
Cracked concrete ETAG-001-1	Ø 6 – 10 mm	Ø 6 mm		Ø 8– 14 mm
Cracked concrete ETAG-001-6	–			
Non-cracked concrete	Ø 6 – 10 mm	Ø 6 mm		Ø 8– 14 mm
Certifications				
Technical specifications				
Mode of action	Undercut			
Type of load	Static			
Recommended tensile loads	1.2 - 4.3 kN			3.1 - 14.3 kN
Recommended shear loads	6.8 - 14.0 kN			10.9 - 37.1 kN

JC2-KB	JC2-FR	JC2-ST	JC2-IT
			
zinc-plated or zinc alloy coated carbon steel			
Facade scaffolds, temporary fastening, contact surfaces, shelves, cable racks, hand rails, battens			Pipe brackets, profile rails
			
Ø 6 mm			
Ø 6 mm			
Ø 6 mm			
			
			
Undercut			
Static			
1.4 kN			
4.5 kN			

Concrete screw JC2-FR



Cross references	page
Cordless impact screwdriver ASCD	424
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Bit hexalobular TX 30	439
Cleaning brush	455
Blow-out pump	455

Application range

> Facade scaffolds
> Temporary fastenings
> Contact surfaces
> Shelves
> Cable racks
> Hand rails
> Battens

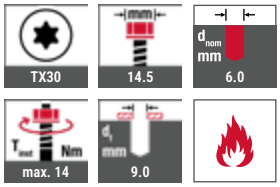
Characteristics

> Zinc-plated steel
> Truss head, hexalobular drive
> ETA-approved concrete screw for cracked and non-cracked concrete
> Self-tapping approved screw anchor for push-trough installation
> No expansion therefore small edge and centre distances possible
> Completely removable
> For dry indoor use

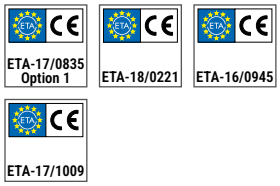
Notice

Characteristic values apply to the compression strength of C20/25 concrete. Design load of an anchor for centric tension in cracked concrete. The load values in these tables are based on concrete C20/25, $f_{ck,cube}$ = 25 N/mm²; correct installation; no influence of centre and edge distances; observe the minimum thickness of the base material

Technical specifications

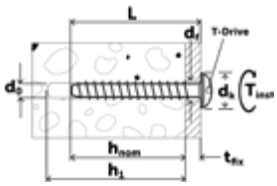


Certifications



Base materials

Approved for
> Cracked concrete
> Non-cracked concrete
> Pre-stressed hollow core slab



Characteristic values			Admissible loads non-cracked concrete C20/25		Admissible loads cracked concrete C20/25	
Type	h_{ef} [mm]	N_{Rec} [kN]	V_{Rec} [kN]	N_{Rec} [kN]	V_{Rec} [kN]	
ETA-17/0835 – approval according to EAD 330232-00-0601 (option 1) for single fastening in concrete						
JC2-FR 6	42.5	4.5	5.6*	2.1	4.5	
ETA-18/0221 – approval according to ETAG 001 part 6 for multiple fastening of non-structural systems in concrete						
JC2-FR 6	27.6/31.9	1.4/1.7	5.4*/5.4*	1.4/1.7	5.4*/5.4*	
*Failure case = steel failure						

Product in the online shop

Order description	L [mm]	t_{fix} [mm]	h_{nom} [mm]	h_1 [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
ETA-17/0835 – approval according to EAD 330232-00-0601 (option 1) for single fastening in concrete								
Concrete screw JC2-FR-6x60/5/20	60	5	55	65	50		9650071549	4061245047812
ETA-18/0221 – approval according to ETAG 001 part 6 for multiple fastening of non-structural systems in concrete								
Concrete screw JC2-FR-6x35/1	35	1	35	40	100		9650071543	4061245075723
Concrete screw JC2-FR-6x45/5	45	5	40	50	100		9650071545	4061245063102
Concrete screw JC2-FR-6x60/5/20	60	20	40	50	50		9650071549	4061245047812

Concrete screw JC2-IT



Application range

> Pipe brackets
> Profile rails

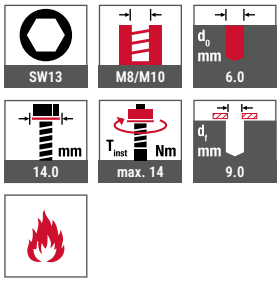
Characteristics

> Zinc-plated steel
> Hexagon head SW13 with internal thread M8/M10
> ETA-approved concrete screw for cracked and non-cracked concrete
> Self-tapping approved screw anchor for push-in installation
> No expansion therefore small edge and centre distances possible
> Completely removable
> For dry indoor use

Notice

Characteristic values apply to the compression strength of C20/25 concrete. Design load of an anchor for centric tension in cracked concrete. The load values in these tables are based on concrete C20/25, $f_{ck,cube}$ = 25 N/mm²; correct installation; no influence of centre and edge distances; observe the minimum thickness of the base material

Technical specifications

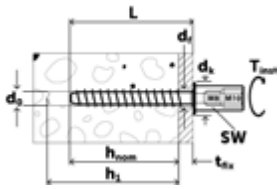


Certifications



Base materials

Approved for
> Cracked concrete
> Non-cracked concrete
> Pre-stressed hollow core slab



Cross references	page
Cordless impact screwdriver ASCD	424
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Socket wrench insert SW13	442
Cleaning brush	455
Blow-out pump	455

Characteristic values		Admissible loads non-cracked concrete C20/25		Admissible loads cracked concrete C20/25	
Type	h_{ef} [mm]	N_{Rec} [kN]	V_{Rec} [kN]	N_{Rec} [kN]	V_{Rec} [kN]
ETA-18/0221 – approval according to ETAG 001 part 6 for multiple fastening of non-structural systems in concrete					
JC2-IT 6	27.6/31.9	1.4/1.7	5.4*/5.4*	1.4/1.7	5.4*/5.4*
*Failure case = steel failure					

Product in the online shop

Order description	L [mm]	t_{fix} [mm]	h_{nom} [mm]	h_1 [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
ETA-18/0221 – approval according to ETAG 001 part 6 for multiple fastening of non-structural systems in concrete								
Concrete screw JC2-IT 6x35 M8/M10x30	35	1	35	40	50		9650071513	4061245075716
Concrete screw JC2-IT 6x45 M8/M10x30	45	5	40	50	50		9650071514	4061245074146

Concrete screw JC2-ST



Cross references	page
Cordless impact screwdriver ASCD	424
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Bit hexalobular TX 30	439
Cleaning brush	455
Blow-out pump	455

Application range

> Facade scaffolds
> Temporary fastenings
> Contact surfaces
> Shelves
> Cable racks
> Hand rails
> Battens

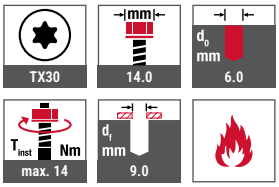
Characteristics

> Zinc-plated steel
> Countersunk head, hexalobular drive
> ETA-approved concrete screw for cracked and non-cracked concrete
> Self-tapping approved screw anchor for push-trough installation
> No expansion therefore small edge and centre distances possible
> Completely removable
> For dry indoor use

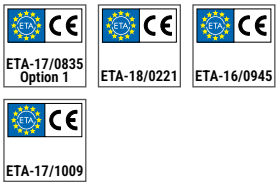
Notice

Characteristic values apply to the compression strength of C20/25 concrete. Design load of an anchor for centric tension in cracked concrete. The load values in these tables are based on concrete C20/25, $f_{ck,cube}$ = 25 N/mm²; correct installation; no influence of centre and edge distances; observe the minimum thickness of the base material

Technical specifications

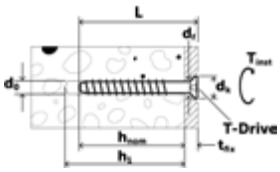


Certifications



Base materials

Approved for
> Cracked concrete
> Non-cracked concrete
> Pre-stressed hollow core slab



Characteristic values		Admissible loads non-cracked concrete C20/25		Admissible loads cracked concrete C20/25	
Type	h_{ef} [mm]	N_{Rec} [kN]	V_{Rec} [kN]	N_{Rec} [kN]	V_{Rec} [kN]
ETA-17/0835 – approval according to EAD 330232-00-0601 (option 1) for single fastening in concrete					
JC2-ST 6	42.5	4.5	5.6*	2.1	4.5
ETA-18/0221 – approval according to ETAG 001 part 6 for multiple fastening of non-structural systems in concrete					
JC2-ST 6	27.6/31.9	1.4/1.7	5.4*/5.4*	1.4/1.7	5.4*/5.4*
***Failure case = steel failure**					

Product in the online shop

Order description	L [mm]	t_{fix} [mm]	h_{nom} [mm]	h_1 [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
ETA-17/0835 – approval according to EAD 330232-00-0601 (option 1) for single fastening in concrete								
Concrete screw JC2-ST-6x60/5/20	60	5	55	65	100		9650071609	4061245005904
Concrete screw JC2-ST-6x80/25/40	80	25	55	65	100		9650071613	4061245074214
Concrete screw JC2-ST-6x100/45/60	100	45	55	65	50		9650071617	4061245005911
Concrete screw JC2-ST-6x120/65/80	120	65	55	65	50		9650071619	4061245075709
ETA-18/0221 – approval according to ETAG 001 part 6 for multiple fastening of non-structural systems in concrete								
Concrete screw JC2-ST-6x45/5/10	45	5	40	50	100		9650071605	4061245075686
Concrete screw JC2-ST-6x50/10/15	50	10	40	50	100		9650071607	4061245075693
Concrete screw JC2-ST-6x60/5/20	60	5	40	50	100		9650071609	4061245005904
Concrete screw JC2-ST-6x80/25/40	80	40	40	50	100		9650071613	4061245074214
Concrete screw JC2-ST-6x100/45/60	100	60	40	50	50		9650071617	4061245005911

Concrete screw JC2-KB



Application range

- Facade scaffolds
- Temporary fastenings
- Contact surfaces
- Shelves
- Cable racks
- Hand rails
- Battens

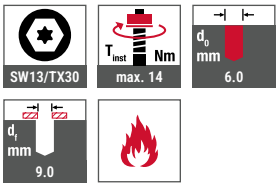
Characteristics

- Zinc-plated steel
- Hexagon head with hexalobular drive and combined washer
- ETA-approved concrete screw for cracked and non-cracked concrete
- Self-tapping approved screw anchor for push-trough installation
- No expansion therefore small edge and centre distances possible
- Completely removable
- For dry indoor use

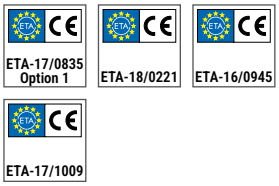
Notice

Characteristic values apply to the compression strength of C20/25 concrete. Design load of an anchor for centric tension in cracked concrete. The load values in these tables are based on concrete C20/25, $f_{ck,cube}$ = 25 N/mm²; correct installation; no influence of centre and edge distances; observe the minimum thickness of the base material

Technical specifications

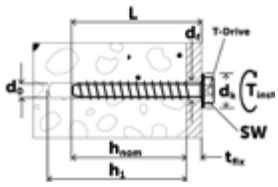


Certifications



Base materials

Approved for
- Cracked concrete
- Non-cracked concrete
- Pre-stressed hollow core slab



Cross references	page
Cordless impact screwdriver ASCD	424
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Bit hexalobular TX30, TX40	439
Socket wrench insert SW13, SW15	442
Cleaning brush	455
Blow-out pump	455

Characteristic values		Admissible loads non-cracked concrete C20/25		Admissible loads cracked concrete C20/25	
Type	h_{ef} [mm]	N_{Rec} [kN]	V_{Rec} [kN]	N_{Rec} [kN]	V_{Rec} [kN]
ETA-17/0835 – approval according to EAD 330232-00-0601 (option 1) for single fastening in concrete					
JC2-KB 6	42.5	4.5	5.6*	2.1	4.5
ETA-18/0221 – approval according to ETAG 001 part 6 for multiple fastening of non-structural systems in concrete					
JC2-KB 6	27.6/31.9	1.4/1.7	5.4*/5.4*	1.4/1.7	5.4*/5.4*
*Failure case = steel failure					

Product in the online shop

Order description	L [mm]	t_{fix} [mm]	h_{nom} [mm]	h_1 [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
ETA-17/0835 – approval according to EAD 330232-00-0601 (option 1) for single fastening in concrete								
Concrete screw JC2-KB-6x60/5/20 SW13	60	5	55	65	100		9650071310	4061245051222
ETA-18/0221 – approval according to ETAG 001 part 6 for multiple fastening of non-structural systems in concrete								
Concrete screw JC2-KB-6x45/5 SW13	45	5	40	50	100		9650071306	4061245051208
Concrete screw JC2-KB-6x50/10 SW13	50	10	40	50	100		9650071308	4061245051215
Concrete screw JC2-KB-6x60/5/20 SW13	60	20	40	50	100		9650071310	4061245051222

Concrete screw JC2-KB Plus



Cross references	page
Cordless impact screwdriver ASCD	424
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Socket wrench insert	455

Application range

- Facade scaffolds
- Temporary fastenings
- Contact surfaces
- Shelves
- Cable racks
- Hand rails
- Battens
- Formworks

Characteristics

- Zinc-plated steel
- Hexagon head with flange
- ETA-approved concrete screw for cracked and non-cracked concrete
- Self-tapping approved screw anchor for push-trough installation
- No expansion therefore small edge and centre distances possible
- For dry indoor use
- Completely removable
- Processing with impact screwdriver possible
- Reusable
- Two embedment depths

Notice

Characteristic values apply to the compression strength of C20/25 concrete. Design load of an anchor for centric tension in cracked concrete. The load values in these tables are based on concrete C20/25, $f_{ck,cube}$ = 25 N/mm²; correct installation; no influence of centre and edge distances; observe the minimum thickness of the base material

Technical specifications

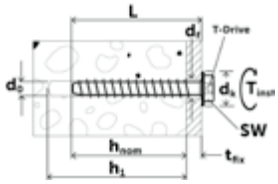
SW13 | SW15 | SW21 | SW24

Certifications

ETA-20/0446 Option 1 | ETA-21/0020 Option 1 | Z-21.8-2141

Base materials

Approved for
- Cracked concrete
- Non-cracked concrete

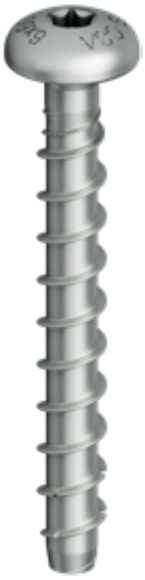


Characteristic values						Admissible loads non-cracked concrete C20/25		Admissible loads cracked concrete C20/25	
Type	d_f [mm]	drive [mm]	d_0 [mm]	h_{ef} [mm]	T_{inst} [Nm]	N_{Rec} [kN]	V_{Rec} [kN]	N_{Rec} [kN]	V_{Rec} [kN]
ETA-21/0020 – approval according to EAD 330232-00-0601 (option 1) for single fastening in concrete									
JC2-KB 8 Plus	10.8 – 12.0	SW13	8	39.2/51.9	45	5.7/8.8	10.9*/12.3*	3.1/5.7	10.9*/12.3*
JC2-KB 10 Plus	13.0 – 14.0	SW15	10	42.5/68.0	85	6.5/13.1	18.2*/20.1*	3.6/9.0	13.6/20.1*
JC2-KB 14 Plus	17.0 – 18.0	SW21/SW24	14	49.3/91.8	100	7.1/20.0	26.8/37.1*	4.0/14.3	18.7/37.1*
*Failure case = steel failure									

Product in the online shop

Order description	L [mm]	t_{fix} [mm]	h_{nom} [mm]	h_1 [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
ETA-21/0200 – approval according to EAD 330232-00-0601 (option 1) for single fastening in concrete								
Concrete screw JC2-KB-Plus-8x55/5 SW13	55	5	50	60	50		9650071700	4061245074696
Concrete screw JC2-KB-Plus-8x70/5/20 SW13	70	5/20	50/65	60/75	50		9650071709	4061245074689
Concrete screw JC2-KB-Plus-8x80/15/30 SW13	80	15/30	50/65	60/75	50		9650071715	4061245074672
Concrete screw JC2-KB-Plus-8x90/25/40 SW13	90	25/40	50/65	60/75	50		9650071721	4061245074665
Concrete screw JC2-KB-Plus-8x100/35/50 SW13	100	35/50	50/65	60/75	50		9650071724	4061245074658
Concrete screw JC2-KB-Plus-8x120/55/70 SW13	120	55/70	50/65	60/75	25		9650071730	4061245074641
Concrete screw JC2-KB-Plus-8x140/75/90 SW13	140	75/90	50/65	60/75	25		9650071736	4061245074702
Concrete screw JC2-KB-Plus-10x60/5 SW15	60	5	55	65	25		9650071744	4061245074719
Concrete screw JC2-KB-Plus-10x70/15 SW15	70	15	55	65	25		9650071750	4061245074726
Concrete screw JC2-KB-Plus-10x80/25 SW15	80	25	55	65	25		9650071756	4061245074795
Concrete screw JC2-KB-Plus-10x90/5/35 SW15	90	5/35	55/85	65/95	25		9650071762	4061245074733
Concrete screw JC2-KB-Plus-10x100/15/45 SW15	100	15/45	55/85	65/95	25		9650071765	4061245074740
Concrete screw JC2-KB-Plus-10x120/35/65 SW15	120	35/65	55/85	65/95	25		9650071771	4061245074757
Concrete screw JC2-KB-Plus-10x140/55/85 SW15	140	55/85	55/85	65/95	25		9650071777	4061245074764
Concrete screw JC2-KB-Plus-10x160/75/105 SW15	160	75/105	55/85	65/95	25		9650071783	4061245074771
Concrete screw JC2-KB-Plus-14x75/10 SW21	75	10	65	75	20		9650071785	4061245074900
Concrete screw JC2-KB-Plus-14x100/35 SW21	100	35	65	75	10		9650071811	4061245074917
Concrete screw JC2-KB-Plus-14x130/15/65 SW21	130	15/65	65/115	75/125	10		9650071826	4061245074924
Concrete screw JC2-KB-Plus-14x150/35/85 SW21	150	35/85	65/115	75/125	10		9650071839	4061245074931

Concrete screw JC6-FR A4



Application range

> For embedment in cracked and non-cracked concrete C20/25 - C50/60.
> Permanently humid interior
> Outdoor use including in industrial atmospheres and coastal environments
> Fastening of e.g. >Awnings
>Gates
> Shelving systems
> Cable traverses
> Handrails and railings
> Stadium seating
> Impact protection/ram protection
> Timber add-on parts (e.g. joist hanger, angles, ...)

Characteristics

> A4 stainless steel with hardened steel point
> Truss head, hexalobular drive
> ETA-approved concrete screw for cracked and non-cracked concrete C20/25- C50/60
> Self-tapping approved screw anchor for push-trough installation
> No tightening torque

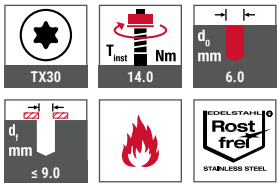
Advantages

> Requires only a small drill hole
> No expansion therefore small edge and centre distances
> Completely removable

Notice

Characteristic values apply to the compression strength of C20/25 concrete. Design load of an anchor for centric tension in cracked concrete. The load values in these tables are based on concrete C20/25, $f_{ck,cube}$ = 25 N/mm²; correct installation; no influence of centre and edge distances; observe the minimum thickness of the base material

Technical specifications

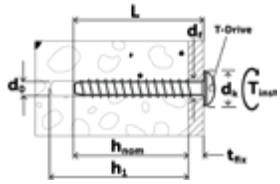


Certifications



Base materials

Approved for
> Cracked concrete
> Non-cracked concrete



Product in the online shop

Cross references	page
Cordless impact screwdriver ASCD	424
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Bit hexalobular TX 30	439
Cleaning brush	455
Blow-out pump	455

Characteristic values			Admissible loads Non-cracked concrete	
Anchor type	h_{nom} [mm]	h_{min} [mm]	N_{Rec} [kN]	V_{Rec} [kN]
ETA-22/0413				
JC6-FR 6	45/55	80/100	2.9/4.5	6.8*/6.8*
*Failure case = steel failure				

Order description	L [mm]	t_{fix} [mm]	h_{nom} [mm]	h_1 [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Concrete screw JC6-FR 6x50	50	5	45	55	100		9650071993	4061245105918
Concrete screw JC6-FR 6x60	60	15/5	45/55	55/65	50		9650071994	4061245105925
Concrete screw JC6-FR 6x80	80	35/25	45/55	55/65	50		9650071996	4061245105932

Concrete screw JC6-KB A4



Cross references	page
Cordless impact screwdriver ASCD	424
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Socket wrench insert SW13, SW15	442
Cleaning brush	455
Blow-out pump	455

Application range

> For embedment in cracked and non-cracked concrete C20/25 - C50/60.
> Permanently humid interior
> Outdoor use including in industrial atmospheres and coastal environments
> Fastening of e.g.
  > Awnings
  > Gates
  > Shelving systems
  > Cable traverses
  > Handrails and railings
  > Stadium seating
  > Impact protection/ram protection
  > Timber add-on parts (e.g. joist hanger, angles, ...)

Characteristics

> A4 stainless steel with hardened steel point
> Hexagon head with flange
> ETA-approved concrete screw for cracked and non-cracked concrete C20/25- C50/60
> Self-tapping approved screw anchor for push-trough installation
> No tightening torque

Advantages

> Requires only a small drill hole
> No expansion therefore small edge and centre distances
> Completely removable

Notice

Characteristic values apply to the compression strength of C20/25 concrete. Design load of an anchor for centric tension in cracked concrete. The load values in these tables are based on concrete C20/25, $f_{ck,cube}$ = 25 N/mm²; correct installation; no influence of centre and edge distances; observe the minimum thickness of the base material

Technical specifications

SW13 SW15

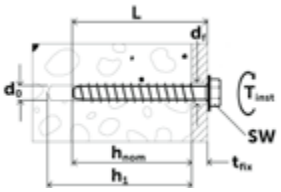
EDELSTAHL rostfrei STAINLESS STEEL

Certifications

ETA-22/0413

Base materials

Approved for
> Cracked concrete
> Non-cracked concrete



Characteristic values							Admissible loads Non-cracked concrete	
Anchor type	d_o [mm]	d_f [mm]	h_{nom} [mm]	h_{min} [mm]	T_{inst} [Nm]	drive [mm]	N_{Rec} [kN]	V_{Rec} [kN]
ETA-22/0413								
JC6-KB 6	6	≤ 9	45/55	80/100	max. 14	SW13	2.9/4.5	6.8*/6.8*
JC6-KB 8	8	≤ 12	50/65	100/100	max. 40	SW13	4.0/7.9	11.6*/11.6*
JC6-KB 10	10	≤ 14	55/85	100/130	max. 75	SW15	5.2/12.1	14.0*/14.0*
*Failure case = steel failure								

Product in the online shop

Order description	L [mm]	d_o [mm]	t_{fix} [mm]	h_{nom} [mm]	h_1 [mm]	Head Ø [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
ETA-22/0413										
Concrete screw JC6-KB 6x50	50	6	5	45	55	16.5	100		9650071970	4061245105635
Concrete screw JC6-KB 6x60	60	6	15/5	45/55	55/65	16.5	100		9650071971	4061245105642
Concrete screw JC6-KB 6x70	70	6	25/15	45/55	55/65	16.5	100		9650071972	4061245105659
Concrete screw JC6-KB 6x80	80	6	35/25	45/55	55/65	16.5	100		9650071973	4061245105666
Concrete screw JC6-KB 8x55	55	8	5	50	60	17.5	50		9650071978	4061245105864
Concrete screw JC6-KB 8x70/5 SW13	70	8	20/5	50/65	60/75	17.5	50		9650071974	4061245093802
Concrete screw JC6-KB 8x80/15 SW13	80	8	30/15	50/65	60/75	17.5	50		9650071975	4061245093819
Concrete screw JC6-KB 8x100/35 SW13	100	8	50/35	50/65	60/75	17.5	50		9650071976	4061245093826
Concrete screw JC6-KB 10x90	90	10	35/5	55/85	65/95	20.5	25		9650071933	4061245106342
Concrete screw JC6-KB 10x100	100	10	45/15	55/85	65/95	20.5	25		9650071934	4061245106359
Concrete screw JC6-KB 10x120	120	10	65/35	55/85	65/95	20.5	25		9650071935	4061245106366

Concrete screw JC6-ST A4



Application range

> For embedment in cracked and non-cracked concrete C20/25 - C50/60.
> Permanently humid interior
> Outdoor use including in industrial atmospheres and coastal environments
> Fastening of e.g.
  > Awnings
  > Gates
  > Shelving systems
  > Cable traverses
  > Handrails and railings
  > Stadium seating
  > Impact protection/ram protection
  > Timber add-on parts (e.g. joist hanger, angles, ...)

Characteristics

> A4 stainless steel with hardened steel point
> Countersunk head, hexalobular drive
> ETA-approved concrete screw for cracked and non-cracked concrete C20/25- C50/60
> Self-tapping approved screw anchor for push-trough installation
> No tightening torque

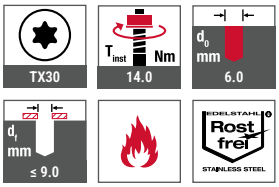
Advantages

> Requires only a small drill hole
> No expansion therefore small edge and centre distances
> Completely removable

Notice

Characteristic values apply to the compression strength of C20/25 concrete. Design load of an anchor for centric tension in cracked concrete. The load values in these tables are based on concrete C20/25, $f_{ck,cube}$ = 25 N/mm²; correct installation; no influence of centre and edge distances; observe the minimum thickness of the base material

Technical specifications

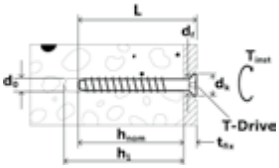


Certifications



Base materials

Approved for
> Cracked concrete
> Non-cracked concrete



Cross references	page
Cordless impact screwdriver ASCD	424
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Bit hexalobular TX 30	439
Cleaning brush	455
Blow-out pump	455

Product in the online shop

Characteristic values					Admissible loads Non-cracked concrete	
Anchor type			h_{nom} [mm]	h_{min} [mm]	N_{Rec} [kN]	V_{Rec} [kN]
ETA-22/0413						
JC6-ST 6			45/55	80/100	2.9/4.5	6.8*/6.8*
*Failure case = steel failure						

Order description	L [mm]	t_{fix} [mm]	h_{nom} [mm]	h_1 [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
ETA-22/0413								
Concrete screw JC6-ST 6x50	50	5	45	55	100		9650071985	4061245105673
Concrete screw JC6-ST 6x60	60	15/5	45/55	55/65	100		9650071986	4061245105680
Concrete screw JC6-ST 6x70	70	25/15	45/55	55/65	100		9650071987	4061245105697
Concrete screw JC6-ST 6x100	100	55/45	45/55	55/65	50		9650071990	4061245105901

EJOT®

LIEBIG® heavy-duty anchors

Fastening extremely heavy loads reliably into concrete!

When it comes to heavy duty anchors, you cannot get around the name LIEBIG. Since 1946, LIEBIG® has been well known for highest-level heavy fastenings! And since 2017, the brand LIEBIG® is part of the EJOT Group.
Above all, the LIEBIG® self-undercutting anchors stand for highest tensile and transverse strength. The extremely high load-bearing capacity is generated by the mechanical gear tooth system in concrete (form-fit).

www.ejot.com/liebig-heavy-duty-anchors

LIEBIG





Window and Glass Facade Technology

High-quality fastening elements for the production and assembly of windows and doors.

www.ejot.com/window-and-glass-facade-technology

Product overview

Fasteners for window production

Window screws (steel)
Type S 4.2xL 382
Type S/TG 4.2xL 383
Type Super-E 4.2xL 384
Type Super-E/Tg 4.2xL 385
Type ATS 4.8xL 386
Type Super-Jot 4.0xL 387
Transom screws (steel)
Transom screw 5.0xL 388
Metric screws (steel)
Metric screw M5xL 389
Self-drilling window screws (steel)
Type FD42 3.9xL 390
Type FDM2 M4xL 391
Type FDM1 M4xL 392
Self-drilling shutter screws (steel)
Type RD 4xL 393

Fasteners for window installation

Coupling screws (steel)
MS 4.8xL 394
Carrying systems
Carrying strap screw 5.5xL 395
Carrying strap for windows, lockable 396
Frame anchors (steel)
Type RA-P-7.5x L 398
Type RA-U-7.5xL 400
Type SA-H-7.5xL 402
Type RA-Z-7.5xL 404

Window screw type S



Cross references	page
Bit cross recess H2	438

Application range

> Fastening of tilt and turn fittings in regular and thin-walled PVC profiles and in steel or GRP inserts
> Fixing locking plates, strips and bearings

Properties

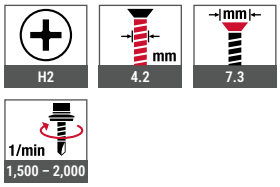
> Case-hardened steel
> Classic screw for fittings, technically leading, with double-start thread
> The optimum also in thin-walled profiles
> High stripping torques and pull-out values in PVC
> Roll-sorted quality for automated fastening
> EJOSEAL is an inorganic, transparent sealant, to significantly increase the corrosion and heat resistance of fastening elements with zinc or zinc alloy coatings. EJOSEAL does not contain wax and is ideally suitable for direct fastening into plastic.

Processing information

> Can also be fastened in steel, pre-drilling required (see chart)
> Can also be fastened in GRP, pre-drilling might be required

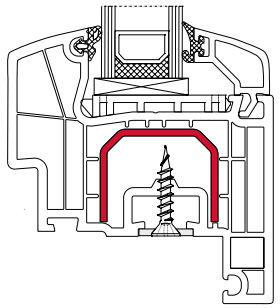
Sheet thickness	Pre-drilling diameter
1.5 mm	3.0 mm
2.0 mm	3.2 mm
2.5 mm	3.5 mm

Technical specifications



Certifications

ift Rosenheim
Test report
No. 509
20107/1+2



Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
EJOSEAL					
Window screw S 4.2x13	13	1000		2225413607	4061245044637
Window screw S 4.2x16	16	1000		2225416607	4061245044644
Window screw S 4.2x20	20	1000		2225420607	4061245044651
Window screw S 4.2x22	22	1000		2225422607	4061245044668
Window screw S 4.2x25	25	1000		2225425607	4061245044675
Window screw S 4.2x30	30	1000		2225430607	4061245044682
Window screw S 4.2x35	35	1000		2225435607	4061245044699
Window screw S 4.2x40	40	1000		2225440607	4061245044705
Window screw S 4.2x45	45	1000		2225445607	4061245044712
Window screw S 4.2x55	55	1000		2225455607	4061245044729

Window screw type S/Tg



Cross references	page
Bit cross recess H2	438

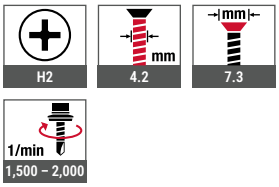
Application range

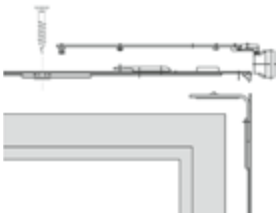
> Fixing gear rack and baffle gear

Characteristics

> Case-hardened steel
> Double-start thread with partial thread
> Non-threaded area minimizes the friction at the joint of gear rack/baffle gear
> Non-threaded area ensures permanent easy opening and closing of the window
> EJOSEAL is an inorganic, transparent sealant, to significantly increase the corrosion and heat resistance of fastening elements with zinc or zinc alloy coatings. EJOSEAL does not contain wax and is ideally suitable for direct fastening into plastic.

Technical specifications





Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
EJOSEAL					
Window screw S/Tg 4.2x25	25	1000		2232325607	4061245044743

Window screw type Super-E



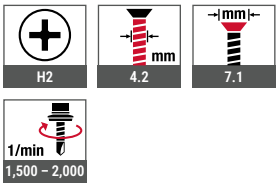
Application range

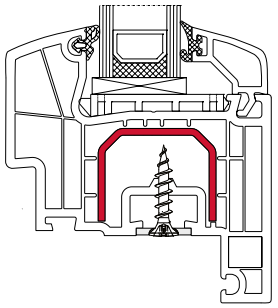
> Fastening of tilt and turn fittings in PVC profiles and in steel or GRP inserts
> Fixing locking plates, strips and bearings

Properties

> Case-hardened steel
> Cost-effective screw for fittings with one-start thread
> Under-head serrations for increased safety against stripping
> Slightly curved head for flawless appearance even with bevelled installation
> Roll-sorted quality for automated fastening
> EJOSEAL is an inorganic, transparent sealant, to significantly increase the corrosion and heat resistance of fastening elements with zinc or zinc alloy coatings. EJOSEAL does not contain wax and is ideally suitable for direct fastening into plastic.

Technical specifications





Cross references	page
Bit cross recess H2	438

Processing information

> Can also be fastened in steel, pre-drilling required (see chart)
> Can also be fastened in GRP, pre-drilling might be required

Sheet thickness	Pre-drilling diameter
1.5 mm	3.0 mm
2.0 mm	3.0 mm
2.5 mm	3.0 mm

Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
EJOSEAL					
Window screw Super-E 4.2x16	16	1000		2253416607	4061245041438
Window screw Super-E 4.2x20	20	1000		2253420607	4061245041421
Window screw Super-E 4.2x22	22	1000		2253422607	4061245041414
Window screw Super-E 4.2x25	25	1000		2253425607	4061245041407
Window screw Super-E 4.2x28	28	1000		2253428607	4061245041391
Window screw Super-E 4.2x30	30	1000		2253430607	4061245041384
Window screw Super-E 4.2x35	35	1000		2253435607	4061245041377
Window screw Super-E 4.2x40	40	1000		2253440607	4061245041360
Window screw Super-E 4.2x45	45	1000		2253445607	4061245041353
Window screw Super-E 4.2x55	55	1000		2253455607	4061245041346

Window screw type Super-E/Tg



Cross references	page
Bit cross recess H2	438

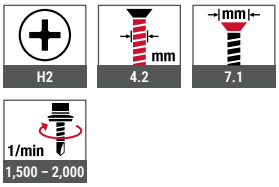
Application range

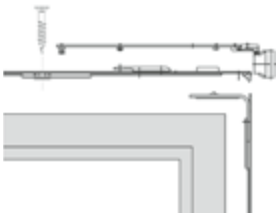
> Fixing gear rack and baffle gear

Characteristics

> Case-hardened steel
> Single-start thread with partial thread
> Non-threaded area minimizes the friction at the joint of gear rack/baffle gear
> Non-threaded area ensures permanent easy opening and closing of the window
> Under-head serrations for increased safety against stripping
> EJOSEAL is an inorganic, transparent sealant, to significantly increase the corrosion and heat resistance of fastening elements with zinc or zinc alloy coatings. EJOSEAL does not contain wax and is ideally suitable for direct fastening into plastic.

Technical specifications





Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
EJOSEAL					
Window screw Super-E/Tg 4.2x22	22	1000		2290336607	4061245041247
Window screw Super-E/Tg 4.2x25	25	1000		2254325607	4061245041339

Window screw type ATS



Cross references	page
Bit cross recess H2	438

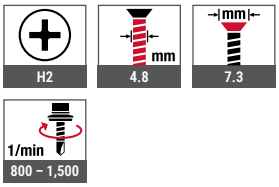
Application range

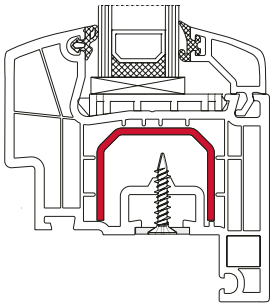
> For increased loads
> For reliable replacement of stripped fitting screws

Characteristics

> Case-hardened steel
> With HT thread
> With DSK point for precise and wobble-free fastening in PVC
> Head diameter identical with fitting screw type S
> EJOSEAL is an inorganic, transparent sealant, to significantly increase the corrosion and heat resistance of fastening elements with zinc or zinc alloy coatings. EJOSEAL does not contain wax and is ideally suitable for direct fastening into plastic.

Technical specifications





Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
EJOSEAL					
Window screw ATS 4.8x25	25	1000		2206425607	4061245041599
Window screw ATS 4.8x30	30	1000		2206430607	4061245041582
Window screw ATS 4.8x38	38	1000		2206438607	4061245041575

Window screw type Super-Jot



Application range

> For fixing tilt and turn fittings in wood
> Fixing locking plates and bearings etc.

Characteristics

> Case-hardened steel
> With special thread, reinforced
> Immediate grip in the wood due to the cutting tip
> The special thread geometry and the wax coating ensure low installation torques and high stripping or loosening torques
> EJOSEAL is an inorganic, transparent sealant, to significantly increase the corrosion and heat resistance of fastening elements with zinc or zinc alloy coatings.

Notice

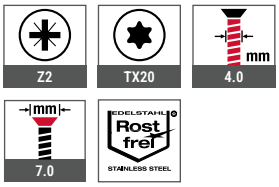
For use in wood with high tannin content (e.g. oak, beech, larch and impregnated wood) we recommend our stainless steel version. Also note a possible incompatibility with wood preservatives or impregnated timber. In case of doubt, use stainless steel version.

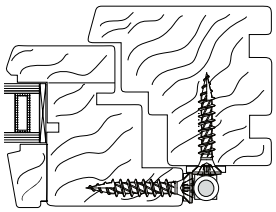
Recommended edge distance according to Eurocode 5

In Eurocode 5 "Design of timber structures - General rules and rules for buildings" the edge distance of the fixing with or without pre-drilling in timber are specified. For installation depths in hard wood over 25 mm, it is recommended to pre-drill with Ø 3 mm.

Recommended edge distance according to Eurocode 5 (former DIN 1052)	
Pre-drilled	3 x screw diameter d
Without pre-hole	5 x screw diameter d

Technical specifications





Product in the online shop

Cross references	page
Bit cross recess Z2	438
Bit hexalobular TX 20	439

Order description	Length [mm]	Drive	PU [pieces]	Price/100 [EUR]	Article number	EAN
EJOSEAL and wax coating						
Window screw type Super-Jot 4.0x25-Z	25	Z2	1000		2211225608	4061245041568
Window screw type Super-Jot 4.0x30-Z	30	Z2	1000		2211230608	4061245041544
Window screw type Super-Jot 4.0x35-Z	35	Z2	1000		2211235608	4061245041537
Window screw type Super-Jot 4.0x40-Z	40	Z2	1000		2211240608	4061245041520
Window screw type Super-Jot 4.0x45-Z	45	Z2	1000		2211245608	4061245041506
Window screw type Super-Jot 4.0x50-Z	50	Z2	1000		2211250608	4061245041490
A2 stainless steel and glide coating						
Window screw Super-Jot 4.0x30-T20	30	TX20	1000		2211230300	4061245041551
Window screw Super-Jot 4.0x45-T20	45	TX20	1000		2211245300	4061245041513

Transom screw



Application range

> Transom fastening
> Direct installation into timber and PVC

Properties

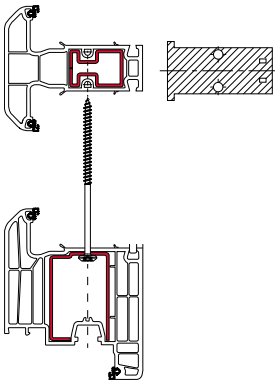
> Case-hardened steel
> Partial thread

Notice

Check pre-drilling when installing into hard wood

Technical specifications





Cross references	page
Bit hexalobular TX 30	439

Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
zinc-plated, blue passivated					
Transom screw 5.0x80/40	80/40	500		2290120601	4061245041261
Transom screw 5.0x100/55	100/55	500		2290121601	4061245041254

Metric screw



Application range

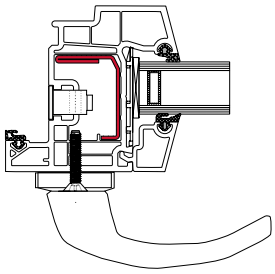
> Fastening window handles (window olives)

Properties

> Steel quality grade 4.8
> With dog point
> With metric thread

Technical specifications





Cross references	page
Bit cross recess H2	438

Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
zinc-plated, blue passivated					
Metric screw M5x40	40	500		2237540401	4061245041452
Metric screw M5x48	48	250		2237548401	4061245041445

Self-drilling screw type FD42



Cross references	page
Bit cross recess H2	438

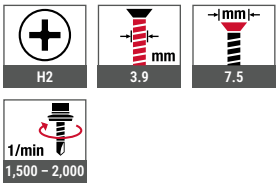
Application range

> For fixing metal core and fittings to thick-walled and multi-ply PVC profiles and steel or aluminium reinforcements up to 4.0 mm thick

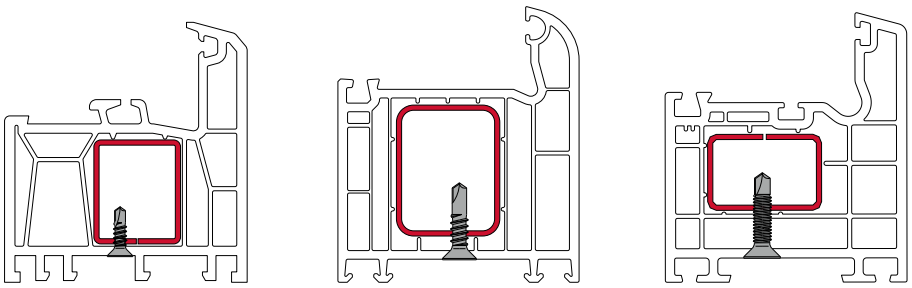
Properties

> Case-hardened steel
> Special thread
> Drilling capacity up to 4.0 mm
> One type of screw for up to three applications
> Reduction of application errors
> Reliable fastening process
> Roll-sorted quality for automated fastening
> EJOSEAL is an inorganic, transparent sealant, to significantly increase the corrosion and heat resistance of fastening elements with zinc or zinc alloy coatings. EJOSEAL does not contain wax and is ideally suitable for direct fastening into plastic.

Technical specifications



Application examples
Until now three different screw types were needed for this application.



Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
EJOSEAL					
Self-drilling screw FD42 3.9x16	16	1000		7260822607	4061245040615
Self-drilling screw FD42 3.9x19	19	1000		7260823607	4061245044736
Self-drilling screw FD42 3.9x22	22	1000		7260824607	4061245040608
Self-drilling screw FD42 3.9x25	25	1000		7260825607	4061245040592
Self-drilling screw FD42 3.9x30	30	1000		7282823607	4061245045016
Self-drilling screw FD42 3.9x32	32	1000		7260826607	4061245040585
Self-drilling screw FD42 3.9x38	38	1000		7260827607	4061245040578
Self-drilling screw FD42 3.9x45	45	1000		7260828607	4061245040561

Self-drilling screw type FDM2



Cross references	page
Bit cross recess H2	438

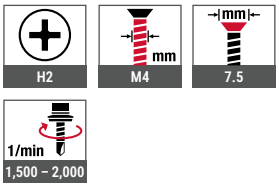
Application range

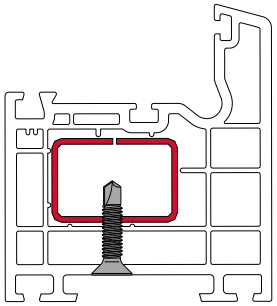
> Fixing 1.5 - 3.5 mm reinforced steel in reinforced or multi-ply PVC windows
> Mounting of fittings

Properties

> Case-hardened steel
> With metric thread
> The fine thread pitch of the metric thread prevents a forced feed in thick-walled PVC or in window profiles with multiple cavities
> Roll-sorted quality for automated fastening
> EJOSEAL is an inorganic, transparent sealant, to significantly increase the corrosion and heat resistance of fastening elements with zinc or zinc alloy coatings. EJOSEAL does not contain wax and is ideally suitable for direct fastening into plastic.

Technical specifications

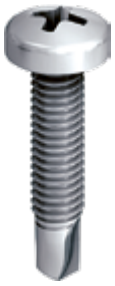




Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
EJOSEAL					
Self-drilling screw FDM2 M4x13	13	1000		7286601607	4061245045795
Self-drilling screw FDM2 M4x16	16	1000		7286602607	4061245045801
Self-drilling screw FDM2 M4x19	19	1000		7286603607	4061245045818
Self-drilling screw FDM2 M4x22	22	1000		7286604607	4061245045825
Self-drilling screw FDM2 M4x25	25	1000		7286605607	4061245045832
Self-drilling screw FDM2 M4x32	32	1000		7286607607	4061245045849
Self-drilling screw FDM2 M4x38	38	1000		7286608607	4061245045856
Self-drilling screw FDM2 M4x45	45	1000		7286622607	4061245045863

Self-drilling screw type FDM1



Cross references	page
Bit cross recess H2	438

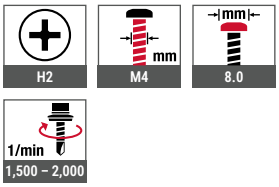
Application range

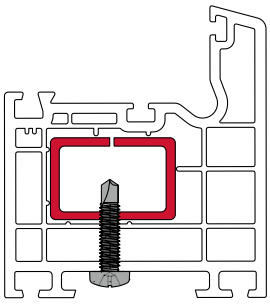
> Fixing 1.5 - 3.5 mm reinforced steel in reinforced or multi-ply PVC windows

Properties

> Case-hardened steel
> With metric thread
> The fine thread pitch of the metric thread prevents a forced feed in thick-walled PVC or in window profiles with multiple cavities
> Roll-sorted quality for automated fastening
> EJOSEAL is an inorganic, transparent sealant, to significantly increase the corrosion and heat resistance of fastening elements with zinc or zinc alloy coatings. EJOSEAL does not contain wax and is ideally suitable for direct fastening into plastic.

Technical specifications





Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
EJOSEAL					
Self-drilling screw FDM1 M4x16	16	1000		7285502607	4061245040479
Self-drilling screw FDM1 M4x19	19	1000		7285503607	4061245040462

Self-drilling shutter screw type RD



Cross references	page
Bit cross recess H2	438

Application range

Clamping of
> Roller-shutter profiles
> Drip sills

Properties

> Case-hardened steel
> With double-start thread

Notice

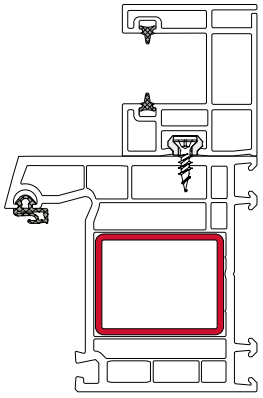
For the exact determination of a self-drilling shutter screw, a detailed drawing of the groove or a sample profile is required due to a large number of profile variants.

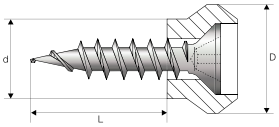
Screw type	Profile*
RD-1	Salamander
RD-2	Rehau, Inoutic, KBE, Aluplast, Deceuninck, Roplasto
RD-3	Trocal, Stöckel
RD-4	Kömmerling, Gealan, Roplasto
RD-5	Hocoplast, Aluplast
RD-6	Veka

*The manufacturers listed here are only examples and can be supplemented by comparable ones

Technical specifications







Product in the online shop

Order description	D [mm]	d [mm]	L [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Self-drilling shutter screw RD-1 4.2x9 full steel	9.5	6.8	9.0	1000		2289021601	4061245083704
Self-drilling shutter screw type RD-1 4.2x9 yellow	9.5	6.8	9.0	1000		2289121602	4061245041322
Self-drilling shutter screw RD-2 4.2x13 full steel	10.5	7.4	13.0	1000		2289022601	4061245081946
Self-drilling shutter screw type RD-2 4.2x13 red	10.5	7.4	13.0	1000		2289122602	4061245041315
Self-drilling shutter screw type RD-3 4.2x12 white	12.0	8.4	12.0	1000		2289123602	4061245041308
Self-drilling shutter screw RD-4 4.2x10 full steel	11.0	8.6	10.0	1000		2289024601	4061245081953
Self-drilling shutter screw type RD-4 4.2x10 blue	11.0	8.6	10.0	1000		2289124602	4061245041292
Self-drilling shutter screw RD-5 4.2x13 full steel	11.0	8.4	13.0	1000		2289025601	4061245081960
Self-drilling shutter screw type RD-5 4.2x12 green	11.0	8.4	12.0	1000		2289125602	4061245041285
Self-drilling shutter screw type RD-6 4.2x12 yellow	9.5	6.8	12.0	1000		2289126602	4061245041278

Coupling screw MS



Application range

> Coupling of window and door profiles with reinforced steel

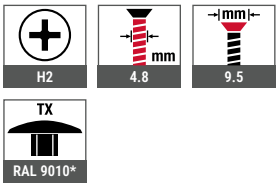
Properties

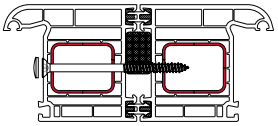
> Case-hardened steel

Installation process

> Pre-drill component 1 with min. 5 to max. 6 mm
> Pre-drill component 2 with 4 mm
> Position on the already mounted element and align
> Then fasten with EJOT coupling screw type MS

Technical specifications





Compo-nent 1 Compo-nent 2

Cross references	page
Bit cross recess H2	438

Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Zinc-plated, blue passivated					
Coupling screw MS 4.8x55	55	100		2200555601	4061245041636
Coupling screw MS 4.8x65	65	100		2200565601	4061245041629
Coupling screw MS 4.8x80	80	100		2200580601	4061245041612
Coupling screw MS 4.8x95	95	100		2200595601	4061245041605
Order information: including white push-on cap (*similar RAL 9010)					

Carrying strap screw



Cross references	page
Carrying strap for windows	396
Bit cross recess H2	438

Application range

> Use in combination with EJOT carrying strap for window frames with a maximum reinforcement thickness of 4.0 mm

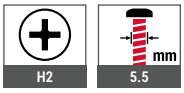
Properties

> Case-hardened steel

Notice

After fastening the EJOT carrying strap screw, the grommet of the EJOT carrying strap is hooked over the head of the screw.

Technical specifications



Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Zinc-plated, blue passivated					
Carrying strap screw 5.5x22.5	22.5	500		7284062601	4061245040493

Carrying strap for windows

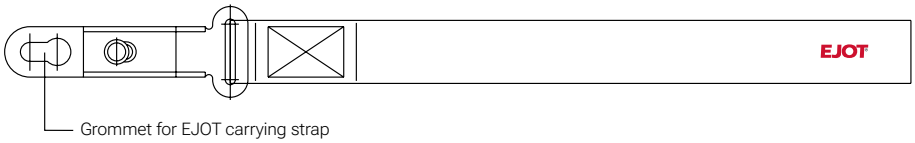


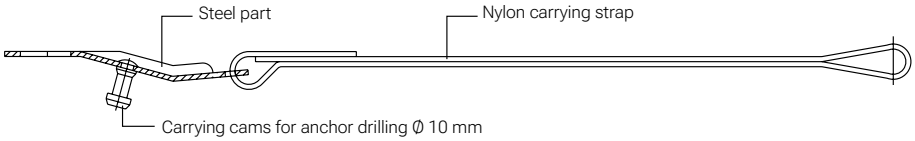
Application range

> For carrying window elements ergonomically
> Can also be used in combination with EJOT window carrying strap screw
> Carrying cams of the EJOT carrying strap are inserted into the anchor hole Ø 10 mm
> Grommet is placed on the EJOT carrying strap screw
> Fastening in the anchor hole Ø 10 mm

Properties

> Nylon carrying strap
> Carrying strap can be used multiple times
> Bearing load of carrying cams with anchor hole 10 mm max. 80 kg
> Bearing load with carrying strap screw max. 320 kg





Cross references	page
Carrying strap screw	395

Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Carrying strap for windows, lockable	360	1		9000060086	4061245046808

Frame anchor type RA-P



Cross references	page
Precision drill bit HSS	432
Hammer drill SDS plus	434
Bit hexalobular TX 30	439

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

Properties

- Case-hardened steel
- Reduced forming moulding and exact fit due to perfect thread geometry
- Fast installation, reliable anchoring
- In the case of steel-reinforced windows, it is possible to dispense with pressure-resistant backing at the sides
- 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"

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 holes into stone, for Ø refer to table, drill hole depth = installation depth + 10 mm
- Fasten the EJOT frame anchors
- Push on cap if necessary

Edge distances

It is a special benefit of the EJOT frame anchors that they have virtually no expansion. Therefore, significantly smaller edge distances are possible than with conventional anchors. Please note the information given by the wall material manufacturer. Without specification given by the wall material manufacturer, we recommend a minimum edge distance according to the RAL installation guides.

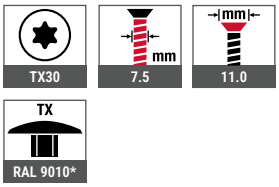
Notice

For the installation of burglar-resistant or anti-fall devices, special assembly instructions apply!

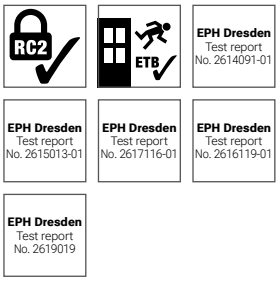
Applications

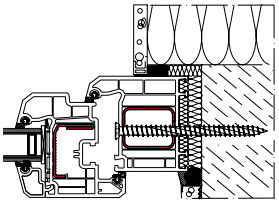


Technical specifications



Certifications





Building materials	Installation depth ≥ [mm]
Concrete	30
Sand-lime brick, solid brick	40
Vertically perforated brick, lightweight concrete, pumice, aerated concrete	60
Soft wood	60
Hard wood	40

Building materials	Pre-drilling diameter [mm]	drilling method
Steel, t = 2 mm	6.2	Rotary drilling
Steel, t = 4 mm	6.5	Rotary drilling
Steel, t = 6 mm	6.7	Rotary drilling
Concrete ≥ C12/15, Solid sand-lime brick, solid brick	6.0	Hammer drilling
Perforated sand-lime brick, hollow block, hard wood	6.0	Rotary drilling
Vertically perforated brick ≥ Plan T12	5.0	Rotary drilling
Aerated concrete ≥ PP4	Omitted	Omitted

Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Zinc-plated, blue passivated					
Frame anchor type RA-P -7.5x40	40	100		2231040601	4061245013060
Frame anchor type RA-P -7.5x60	60	100		2231060601	4061245013053
Frame anchor type RA-P -7.5x70	70	100		2231070601	4061245013046
Frame anchor type RA-P -7.5x80	80	100		2231080601	4061245013039
Frame anchor type RA-P -7.5x90	90	100		2231090601	4061245013022
Frame anchor type RA-P -7.5x100	100	100		2231100601	4061245013015
Frame anchor type RA-P -7.5x120	120	100		2231120601	4061245013008
Frame anchor type RA-P -7.5x135	135	100		2231135601	4061245012995
Frame anchor type RA-P -7.5x150	150	100		2231150601	4061245012988
Frame anchor type RA-P -7.5x180	180	100		2231180601	4061245012971
Frame anchor type RA-P -7.5x210	210	100		2231210601	4061245012964
Frame anchor type RA-P -7.5x250	250	50		2231250601	4061245012957
Frame anchor type RA-P -7.5x300	300	50		2231300601	4061245012940
Including white push-on cap (*similar RAL 9010) Other colours for cover caps available on request					

Frame anchor type RA-U



Cross references	page
Precision drill bit HSS	432
Hammer drill SDS plus	434
Bit hexalobular TX 30	439

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
> All-purpose for various window materials

Properties

> Case-hardened steel
> Reduced forming moulding and exact fit due to perfect thread geometry
> Fast installation, reliable anchoring
> In the case of steel-reinforced windows, it is possible to dispense with pressure-resistant backing at the sides
> Burglar-resistant (RC2), tested on steel-free plastic windows

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 holes into stone, for Ø refer to table, drill hole depth = installation depth + 10 mm
> Fasten the EJOT frame anchors
> Push on cap if necessary

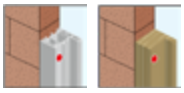
Edge distances

It is a special benefit of the EJOT frame anchors that they have virtually no expansion. Therefore, significantly smaller edge distances are possible than with conventional anchors. Please note the information given by the wall material manufacturer. Without specification given by the wall material manufacturer, we recommend a minimum edge distance according to the RAL installation guides.

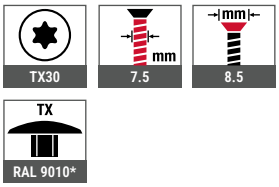
Notice

For the installation of burglar-resistant or anti-fall devices, special assembly instructions apply!

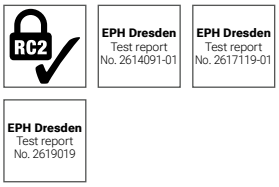
Applications

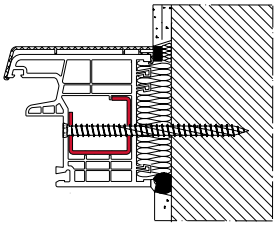


Technical specifications



Certifications





Building materials	Installation depth ≥ [mm]
Concrete	30
Sand-lime brick, solid brick	40
Vertically perforated brick, lightweight concrete, pumice, aerated concrete	60
Soft wood	60
Hard wood	40

Building materials	Pre-drilling diameter [mm]	Drilling method
Steel, t = 2 mm	6.2	Rotary drilling
Steel, t = 4 mm	6.5	Rotary drilling
Steel, t = 6 mm	6.7	Rotary drilling
Concrete ≥ C12/15, Solid sand-lime brick, solid brick	6.0	Hammer drilling
Perforated sand-lime brick, hollow block, hard wood	6.0	Rotary drilling
Vertically perforated brick ≥ Plan T12	5.0	Rotary drilling
Aerated concrete ≥ PP4	Omitted	Omitted

Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Zinc-plated, blue passivated					
Frame anchor type RA-U -7.5x40	40	100		2261040601	4061245012865
Frame anchor type RA-U -7.5x60	60	100		2261060601	4061245012858
Frame anchor type RA-U -7.5x70	70	100		2261070601	4061245012841
Frame anchor type RA-U -7.5x80	80	100		2261080601	4061245012834
Frame anchor type RA-U -7.5x100	100	100		2261100601	4061245012827
Frame anchor type RA-U -7.5x120	120	100		2261120601	4061245012810
Frame anchor type RA-U -7.5x135	135	100		2261135601	4061245012803
Frame anchor type RA-U -7.5x150	150	100		2261150601	4061245012797
Frame anchor type RA-U -7.5x180	180	100		2261180601	4061245012780
Frame anchor type RA-U -7.5x210	210	100		2261210601	4061245012773
Including white push-on cap (*similar RAL 9010) Other colours for cover caps available on request					

Frame anchor type SA-H



Cross references	page
Precision drill bit HSS	432
Hammer drill SDS plus	434
Bit hexalobular TX25	439

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

Properties

- Case-hardened steel
- Slim head pulls into the wooden outer frame flush with the surface
- Reduced forming moulding and exact fit due to perfect thread geometry
- Fast installation, reliable anchoring

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 holes into stone, for Ø refer to table, drill hole depth = installation depth + 10 mm
- Fasten the EJOT frame anchors

Edge distances

It is a special benefit of the EJOT frame anchors that they have virtually no expansion. Therefore, significantly smaller edge distances are possible than with conventional anchors. Please note the information given by the wall material manufacturer. Without specification given by the wall material manufacturer, we recommend a minimum edge distance according to the RAL installation guides.

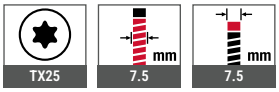
Notice

For the installation of burglar-resistant or anti-fall devices, special assembly instructions apply!

Applications

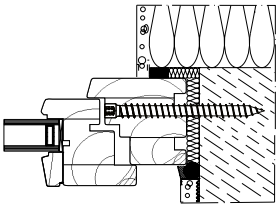


Technical specifications



Certifications





Building materials	Installation depth ≥ [mm]
Concrete	30
Sand-lime brick, solid brick	40
Vertically perforated brick, lightweight concrete, pumice, aerated concrete	60
Soft wood	60
Hard wood	40

Building materials	Pre-drilling diameter [mm]	Drilling method
Steel, t = 2 mm	6.2	Rotary drilling
Steel, t = 4 mm	6.5	Rotary drilling
Steel, t = 6 mm	6.7	Rotary drilling
Concrete ≥ C12/15, Solid sand-lime brick, solid brick	6.0	Hammer drilling
Perforated sand-lime brick, hollow block, hard wood	6.0	Rotary drilling
Vertically perforated brick ≥ Plan T12	5.0	Rotary drilling
Aerated concrete ≥ PP4	Omitted	Omitted

Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
zinc-plated, blue passivated					
Frame anchor type SA-H-7.5x60	60	100		2249060601	4061245012933
Frame anchor type SA-H-7.5x80	80	100		2249080601	4061245012926
Frame anchor type SA-H-7.5x100	100	100		2249100601	4061245012919
Frame anchor type SA-H-7.5x120	120	100		2249120601	4061245012902
Frame anchor type SA-H-7.5x135	135	100		2249135601	4061245012896
Frame anchor type SA-H-7.5x150	150	100		2249150601	4061245012889
Frame anchor type SA-H-7.5x180	180	100		2249180601	4061245012872
Frame anchor type SA-H-7.5x250	250	50		2249250601	4061245081977
Frame anchor type SA-H-7.5x300	300	50		2249300601	4061245081984
Push-on caps available upon request					

Frame anchor type RA-Z



Cross references	page
Precision drill bit HSS	432
Hammer drill SDS plus	434
Bit hexalobular TX 30	439

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

Properties

- Case-hardened steel
- Sleek and broad supported head (Ø12 mm)
- Reduced forming moulding and exact fit due to perfect thread geometry
- Fast installation, reliable anchoring
- In the case of steel-reinforced windows, it is possible to dispense with pressure-resistant backing at the sides
- 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"

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 holes into stone, for Ø refer to table, drill hole depth = installation depth + 10 mm
- Fasten the EJOT frame anchors

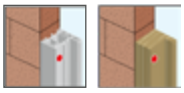
Edge distances

It is a special benefit of the EJOT frame anchors that they have virtually no expansion. Therefore, significantly smaller edge distances are possible than with conventional anchors. Please note the information given by the wall material manufacturer. Without specification given by the wall material manufacturer, we recommend a minimum edge distance of 50 mm, for aerated concrete 60 mm.

Notice

For the installation of burglar-resistant or anti-fall devices, special assembly instructions apply!

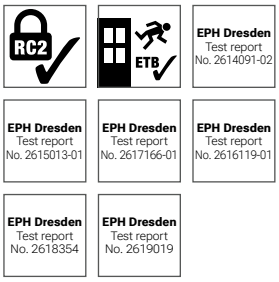
Applications

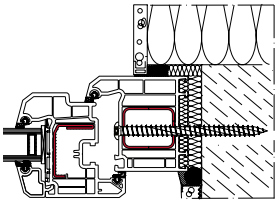


Technical specifications



Certifications





Building materials	Installation depth ≥ [mm]
Concrete	30
Sand-lime brick, solid brick	40
Vertically perforated brick, lightweight concrete, pumice, aerated concrete	60
Soft wood	60
Hard wood	40

Building materials	Pre-drilling diameter [mm]	Drilling method
Steel, t = 2 mm	6.2	Rotary drilling
Steel, t = 4 mm	6.5	Rotary drilling
Steel, t = 6 mm	6.7	Rotary drilling
Concrete ≥ C12/15, Solid sand-lime brick, solid brick	6.0	Hammer drilling
Perforated sand-lime brick, hollow block, hard wood	6.0	Rotary drilling
Vertically perforated brick ≥ Plan T12	5.0	Rotary drilling
Aerated concrete ≥ PP4	Omitted	Omitted

Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Zinc-plated, blue passivated					
Frame anchor RA-Z -7.5x40	40	100		2271040601	4061245073149
Frame anchor RA-Z -7.5x60	60	100		2271060601	4061245073156
Frame anchor RA-Z -7.5x80	80	100		2271080601	4061245073163
Frame anchor RA-Z -7.5x100	100	100		2271100601	4061245073170
Frame anchor RA-Z -7.5x120	120	100		2271120601	4061245012766
Frame anchor RA-Z -7.5x150	150	100		2271150601	4061245012759
Frame anchor RA-Z -7.5x180	180	100		2271180601	4061245012742
Frame anchor RA-Z -7.5x210	210	100		2271210601	4061245012735
Frame anchor RA-Z -7.5x250	250	50		2271250601	4061245012728
Frame anchor RA-Z -7.5x300	300	50		2271300601	4061245012711
Frame anchor RA-Z -7.5x350	350	50		2271350601	4061245075815
Frame anchor RA-Z -7.5x400	400	50		2271400601	4061245075822



Interior Work

Special products for fixing chipboards and for fastening attachments in plasterboard, masonry or concrete

www.ejot.com/interior-work

Product overview

EJOFAST® self-drilling screws

JF2 (steel)

JF2-2-4.2xL 408

Ceiling nails

Steel

E-CN 6xL 409

All wall plugs

Plastics

Gripper 410

Spacers

Plastics

AS 411

Fasteners for ceiling insulation

Insulation screw for direct installation into concrete (steel)

DDS-7.3xL white 412

DDS-7.3xL beige 412

Ceiling insulation washer (steel)

DDT 70 mill finish 413

EJOFAST® self-drilling screw JF2-2-4.2



Cross references	page
Cordless screwdriver ASCM QSW	422
Socket wrench insert SW7	442

Application range

> Efficient fixing of steel air ducts

Properties

> Case-hardened steel, protected against corrosion
> Fastening with reduced swarf
> No cleaning of the ventilation ducts from drilling chips
> Non-skid application

Assembly instruction

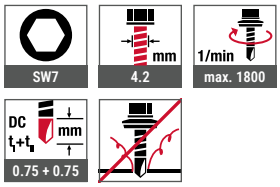
Product in the online shop

EJOFAST

Applications



Technical specifications



Certifications

Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JF2-2-4.2x13	13	0-5	1000		7381300609	4061245014227
JF2-2-4.2x16	16	0-8	1000		7381600609	4061245014210

Ceiling nail



Cross references	page
Cordless hammer drill ABH	427
Hammer drill SDS plus	434

Application range

> For use as a multiple fastener of non-supporting systems in concrete
> Approved for concrete strengths from C20/25 to C50/60

Properties

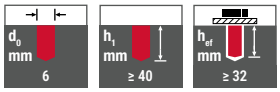
> Zinc-plated steel
> High load-bearing capacity in cracked and non-cracked concrete
> Small drill hole diameter
> Fast and reliable installation

Characteristic values without fire exposure	
Min. component thickness h_{min}	80 mm
Edge distance c_{min}	150 mm
Centre distance s_{min}	200 mm

Applications



Technical specifications





Certifications



Product in the online shop

Order description	Length [mm]	Max. attachment thickness t_{fix} [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Ceiling Nail E-CN 6x40	40	5	100		9700050100	4061245093406
Ceiling Nail E-CN 6x70	70	35	100		9700050101	4061245093413

GRIPPER all-wall plug



Cross references	page
Cordless screwdriver ASCM QSW	422
Hammer drill SDS plus	434

Application range

> For pre-positioned installation in boards, cavity and solid walls as well as in any other construction material

Application examples

> Hand rails
> Wall attachment of cabinets
> Ceiling lights
> Storage racks
> Bookcases
> Mounting televisions
> Radiators
> Wash basins
> Urinals
> Electrical installations
> Attachment of HVAC and sanitary equipment
> Attachment of sanitary equipment

Properties

> Plug made of thermoplastic elastomer - the material adapts to the surface of the drill hole, while the non-slip GripEdge surface and the screws ensure secure mechanical embedment
> GRIPPER surpasses normal plugs in its power of resistance against long-term stress, wear, weather conditions, moisture and storage
> Can be used with all common types and diameters of screws
> The special collar keeps the plug at the optimal installation depth and also remains covered by the screw head

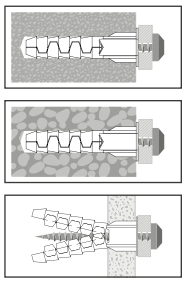
Applications



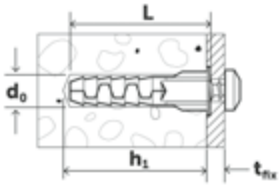
Base materials

Suitable for
> Aerated concrete block
> Plasterboard
> High-strength plasterboard
> Hollow light expanded clay aggregate block
> Pre-stressed hollow core slab
> Natural stone
> Non-cracked concrete
> Vertically perforated brick
> Perforated sand-lime brick
> Solid clay brick
> Solid light expanded clay aggregate block
> Solid sand-lime brick

Applications



Appropriate screws		Diameter [mm]	Length [mm]
Gripper	6	4- 5.5	32 + t_{fix}
Gripper	8	4.5-6	38 + t_{fix}
Gripper	10	4.5-7	45 + t_{fix}



Product in the online shop

Order description	L [mm]	d_0 [mm]	h_1 ≥ [mm]	$t_{sheet, min}$ [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Gripper 6 all wall plug	32	6	38	8	100		9650075232	4061245003146
Gripper 8 all wall plug	38	8	44	12	50		9650075234	4061245003139
Gripper 10 all wall plug	45	10	50	12	50		9650075236	4061245003122

AS spacer



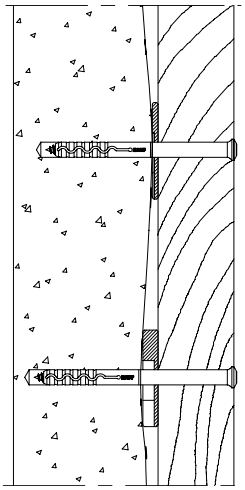
Cross references	page
Facade anchor	320
Nail anchor ND-K	336

Application range

> To compensate for tolerances on wall and roof
> All-purpose for anchor diameters of 6/8/10 mm

Characteristics

> Plastics
> Easy installation through clipping-on from the side
> Variable combinations



Product in the online shop

Order description		Width [mm]	Height [mm]	Thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
AS	-3	50	50	3	100		8600725700	7612336001557
AS	-5	50	50	5	100		8601189710	4039161005278
AS	-8	50	50	8	100		8601233720	4039161005292
AS	-10	50	50	10	100		8601232750	4039161005308
AS	-15	50	50	15	100		8601187730	4039161005315

Insulation screw for direct installation into concrete DDS

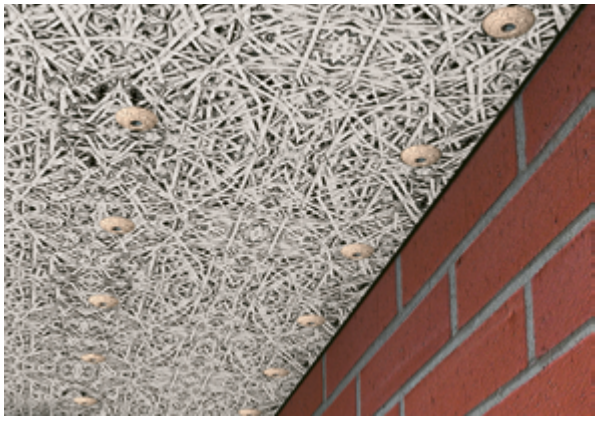


Application range

- For fastening ceiling insulation and acoustic insulation into concrete substrates
- Particularly suitable for multi-layer boards with magnesite- or cement-bonded wood wool
- Top layer with EPS or mineral wool core

Properties

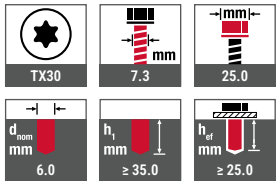
- Easy installation: drill, fasten, done!
- Small embedment depth
- Injection-moulded screw heads with wood wool structure in beige or white for visually unobstrusive fastening



Applications



Technical specifications





Certifications

Z-21.8-1980

Cross references	page
Ceiling insulation washer DDT	413
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Bit hexalobular TX 30	439

Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Colour white					
EJOT DDS 7.3x75 white	75	100		8419075740	4039161005407
EJOT DDS 7.3x85 white	85	100		8419085740	4039161005414
EJOT DDS 7.3x100 white	100	100		8419100740	4039161005421
EJOT DDS 7.3x125 white	125	100		8419125740	4039161005438
EJOT DDS 7.3x150 white	150	100		8419150740	4039161005452
EJOT DDS 7.3x175 white	175	100		8419175740	4039161005469
Colour beige					
EJOT DDS 7.3x75 beige	75	100		8419075780	7612336177962
EJOT DDS 7.3x85 beige	85	100		8419085780	7612336177979
EJOT DDS 7.3x100 beige	100	100		8419100780	7612336177986
EJOT DDS 7.3x125 beige	125	100		8419125780	7612336001410
EJOT DDS 7.3x150 beige	150	100		8419150780	7612336177993
EJOT DDS 7.3x175 beige	175	100		8419175780	7612336178006

Further lengths upon request

Ceiling insulating washer DDT



Cross references **page**

Insulation screw for direct installation into concrete DDS 412

Application range

> In combination with EJOT DDS insulation screw for direct assembly into concrete to increase the washer diameter for soft insulation materials

Applications

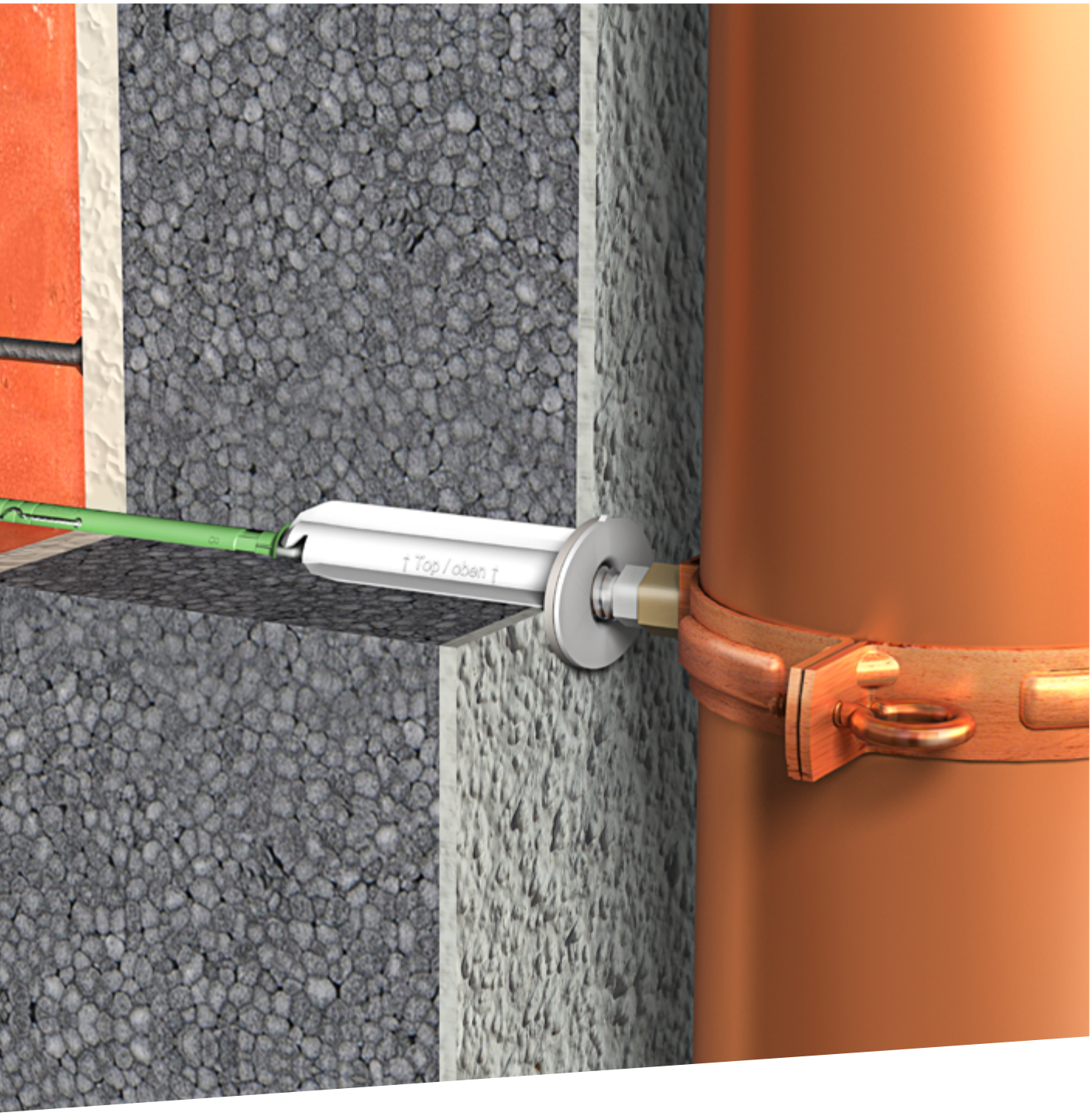


Technical specifications



Product in the online shop

Order description	PU [pieces]	Price/100 [EUR]	Article number	EAN
EJOT DDT 70 mill finish	500		8721070700	4039161006978



Mounting Elements for Attachments

Fastening solutions for the subsequent fastening of attachments to ETICS facades

www.ejot.com/etics-mounting-elements

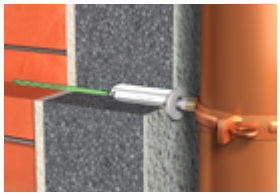
Product overview

Mounting set Iso-Dart
Plastics/steel
Iso-Dart 416

Iso-Dart



Cross references	page
Cordless hammer drill ABH	427
Hammer drill SDS plus	434
Bit hexalobular TX 30	439





Application range

For retrofitting of light to medium-heavy attachments to ETICS facades made of EPS, mineral wool and mineral foam, such as:
> Downpipe brackets
> Folding shutter latches
> Signs and billboards
> Lamps

Characteristics

> Installation bush made of glass-fibre-reinforced plastic including a high-quality EPDM sealing washer and an EJOT facade anchor (Ø 8 mm)
> Attachments are fastened with common hanger bolts or coarse thread screws
> Common assembly tool
> Recommended service load for each fixing point max. 15 kg

Advantages

> High load-bearing capacity through load extension into the substrate
> Reduced thermal transmission by thermal decoupling – Chi value 0.002 W/K according to TR 025
> Waterproofing against the plaster shell with high-quality EPDM seal - Inspection of the resistance to driving rain in accordance with DIN EN 12155
> Easy and quick installation

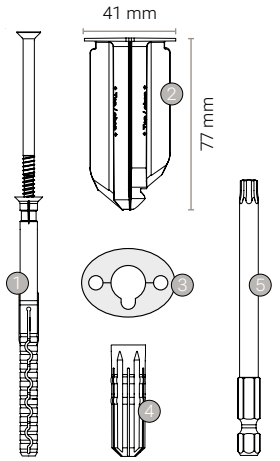
Technical specifications	
Processing in installation bush	
Coarse thread screws	Ø 9 mm
Hanger bolts	Ø 9 mm, M10
Minimum installation depth	40 mm
Processing in installation bush + reduction insert	
Coarse thread screws	Ø 4 mm / Ø 5 mm
Minimum installation depth	35 mm

Technical specifications



Certifications





Included in delivery

10 EJOT facade anchors (1)
10 installation bushes (2)
10 seals (3)
10 reduction inserts (4)
1 installation bit (5)

Recommended service loads				
Substrate	Raw density class ρ [kg/dm³]	Minimum compressive strength f_b [N/mm²]	Axial tensile strength [1] [kN]	Shear resistance [kN]
Concrete ≥ C12/15	–	–	0.30	0.15
solid clay brick	≥ 1.8	12	0.30	0.15
Solid sand-lime brick	≥ 1.8	12	0.30	0.15
Lightweight concrete brick	≥ 0.5	4	0.25	0.15
vertically perforated brick	≥ 0.9	12	0.25	0.15
Perforated sand-lime brick	≥ 1.6	12	0.25	0.15
Lightweight concrete hollow blocks	≥ 0.5	2	0.15	0.15
Aerated concrete	≥ 0.5	4	0.20	0.15
Chipboards and OSB, d ≥ 18 mm	–	–	0.20	0.10
Solid construction timber (KVH), d ≥ 60 mm	–	–	0.30	0.15

Details apply for the shear force transmission immediately after the bush. [1] When using the reduction insert the axial force is limited to max. 0.2 kN.

Application matrix			
Insulation thickness [mm]	**Concrete and masonry[1)]**	**Solid wood[2)]**	**Timber composite plates[2)] (OSB, chipboard d ≥ 18 mm)**
80	EJOT Iso-Dart 80	–	–
100	EJOT Iso-Dart 100	–	–
120	EJOT Iso-Dart 120	EJOT Iso-Dart 100	EJOT Iso-Dart 80
140	EJOT Iso-Dart 140	EJOT Iso-Dart 120	EJOT Iso-Dart 100
160	EJOT Iso-Dart 160	EJOT Iso-Dart 140	EJOT Iso-Dart 120
180	EJOT Iso-Dart 180	EJOT Iso-Dart 160	EJOT Iso-Dart 140
200	EJOT Iso-Dart 200	EJOT Iso-Dart 180	EJOT Iso-Dart 160
220	EJOT Iso-Dart 220	EJOT Iso-Dart 200	EJOT Iso-Dart 180
240	EJOT Iso-Dart 240	EJOT Iso-Dart 220	EJOT Iso-Dart 200
260	EJOT Iso-Dart 260	EJOT Iso-Dart 240	EJOT Iso-Dart 220
280	EJOT Iso-Dart 280	EJOT Iso-Dart 260	EJOT Iso-Dart 240
300	–	EJOT Iso-Dart 280	EJOT Iso-Dart 260
320	–	–	EJOT Iso-Dart 280

[1)] Tolerance compensation up to 30 mm. [2)] Using the screw without anchor sleeve - only pre-drill up to the substrate

Assembly instruction

Product in the online shop

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
EJOT Iso-Dart 140	10		8500140440	4039161012801
EJOT Iso-Dart 160	10		8500160440	4039161012818
EJOT Iso-Dart 180	10		8500180440	4039161012825
EJOT Iso-Dart 200	10		8500200440	4039161012832
EJOT Iso-Dart 220	10		8500220440	4039161012849
EJOT Iso-Dart 240	10		8500240440	4039161012856

Information: Product not available in the online shop.

Further lengths on request



Machinery
Spare Parts
Tools



Machinery, Spare Parts, Tools

Product overview

Machinery

Cordless screwdrivers
ASCM 18 QSW AS 422
ASCM 18-4 QM AS 423
Cordless impact screwdrivers
ASCD 18-300 W2 AS 424
Cordless nibblers
ABLK 18 1.6 E AS 425
Cordless slitting shears
ABSS-18 1.6 E AS 426
Cordless hammer drill
ABH 18-26 AS 427
Cordless riveting tools
ECORIV ONE 16V / 2.0 Ah 430
Leak tester
Vacu-tester 431

Battery packs and chargers

For ASCM 18 QSW AS
For ASCM 18-4 QM AS
For ASCD 18-300 W2 AS
For ABLK 18 1.6 E AS
For ABSS 18 1.6 E AS
For ABH 18-26 AS
Battery Starter Set 18V / 6.0 Ah 428
Rapid charger GAL 80 428
Battery pack 18V / 6.0 Ah 428

Accessories

For ASCM 18 QSW AS
Bit holder 422
Socket adapter 422
Depth stop sleeve 422
For ASCM 18-4 QM AS
Bit holder 423
Socket adapter 423
Depth stop sleeve 423
For ABLK 18 1.6 E AS
Die 425
Punch 425
For ABSS 18 1.6 E AS
Cutting dies 426
Cutting knife 426
Curve knife 426
For ECORIV ONE
Rapid charger 220 V 430
Battery 16V / 2.0 Ah 430
Retention nosepiece 430
Nose piece for folding blind rivet 430
Facade nosepieces 430

Tools

Precision drill bit HSS
Drill bit S 432
Universal drill SDS plus®
Universal drill SDS plus 433
Hammer drill SDS plus®
4-edge SDS-plus 434
Hammer drill
A-cone 435
A cone with flange 435
Drill bit extension
Drill bit extension SDS 500 mm 436
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Bits
Hexagon 438
Cross recess 438
Hexalobular TX 439
Bit extensions
Bit extension M6xL 440
Bit extension with spring pin 441
Socket wrench inserts
K-SW 442
S-SW 442
Impact socket wrench
S-SW 443
TX 443
Torque wrench
1/2" 10-50 Nm 444
1/2" 60-300 Nm 445
Bit holder
BT-1/4"-1/4"xL 446
Fastening tools
FR Tool 446
FR VARIO Tool 447
FR Tool plastic 447
LT / STS Tool TX25 448
LT / STS Tool TX20 448
STS Tool metall (Set) 448
LT-XT Tool 449
SW8 VARIO Tool 449
Complete EcoTek Tool 450
Magnet brackets
HTV-RU 450
Bags/belts
Tool belt 451
Hip belt flat roof 451
Installation tools
Installation tools for through bolts 452
Installation tool 2.0 for drop-in anchors JE 452
Installation tool 2.0 for drop-in anchor JS+ und JE+ 453
Applicator guns
AP 420 ml 454
Side by Side AP 345 ml 454

Other
Cleaning brush RBT metal 455
Blow-out pump 455
Spray oil 456
Corrosion protection spray 456
Nail puller 457
Application tool for sandwich panels and metal profiles 457

Cordless screwdriver ASCM 18 QSW AS



Application range

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

Characteristics

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

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

Info see page 429

Included in delivery

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

Cross references	page
Battery packs and chargers	428

Product in the online shop

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

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

Cordless screwdriver ASCM 18-4 QM AS



Application range

> Powerful 4-speed cordless drill driver
> With brushless motor and QuickIN MAX interface
> Uncompromising performance for drilling and tapping up to 13 mm and drilling with carbide-tipped hole saws

Characteristics

> 4-gear full metal gear unit
> Tool-free change of QuickIN attachments between applications in seconds
> Brushless FEIN PowerDrive motor with 30 % higher efficiency enables longer service life
> Full metal drill chuck/bit holder with carbide-tipped clamping jaws without the insert tool slipping through
> Intuitive control panel with dimmable LED
> Compatible with AMPShare / Bosch Professional 18 V batteries

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

Info see page 429

Included in delivery

1 ASCM 18-4 QM AS (without battery pack or battery charger)
1 belt clip
1 bit holder
1 telescopic handle
1 removable full metal drill chuck
1 plastic tool case

Cross references	page
Battery packs and chargers	428

Technical specifications	
Battery voltage	18 V
Battery compatibility	Li-Ion / ProCORE Li-Ion
Motor	brushless
Gear	4-gear
Idle speed	430 / 850 / 2000 / 4000 1/min
Max. torque (hard/soft)	130 (70 / 50) Nm
Torque levels	15 + 1
Drill chuck clamping range	1.5 - 13 mm
Screws	10 x 400mm no pre-drilling
Drill Ø timber	60 mm
Drill Ø steel	13 mm
Battery pack	not included in delivery

Product in the online shop

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Cordless screwdriver ASCM 18 QSW AS	1		9150610000	4014586900100
Accessories				
QuickIN Bithalter ASCM 18-4 QM AS / 18-QSW AS	1		9150610001	4014586404820
QuickIN Socket adapter ASCM 18-4 QM AS / 18-QSW AS	1		9150610002	4014586404844
QuickIN depth stop ASCM 18-4 QM AS / ASCM 18-QSW AS	1		9150610003	4014586476902

Cordless impact screwdriver ASCD18-300 W2 AS



Application range

- Up to max. 290 Nm with brushless motor and torque adjustment in 6 stages
- For the use of concrete screws (JC2, JBS-R and frame anchor)

Characteristics

- For extremely precise work: electronic torque adjustment in 6 stages prevents screw heads from tearing off
- Brushless FEIN PowerDrive motor with 30% higher degree of efficiency and long service life
- 1/2 inch square for holding sockets. Robust solid metal impact gear
- Metric screws up to M18 (8.8). Contact guard on gearbox head
- 10% more torque in reverse running to loosen screws which are extremely tight
- Compatible with AMPShare / Bosch Professional 18 V batteries

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

Info see page 429

Included in delivery

1 ASCD 18-300 W2 AS (without battery pack or battery charger)
1 belt clip
1 bit holder
1 plastic tool case

Cross references	page
Battery packs and chargers	428

Product in the online shop

Technical specifications	
Battery voltage	18 V
Battery compatibility	Li-Ion / ProCORE Li-Ion
Motor	Brushless
Idle speed	0 – 1700 rpm
Impacts	0 – 3400 rpm
Max. torque	290 Nm
Torque levels	6
Tool holder	1/2“ external square
Max. metric screw	M18 (8.8)
Weight without battery	1.20 kg
Battery pack	Not included in delivery

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Cordless impact screwdriver ASCD18-300 W2 AS	1		9150620000	4014586898889

Battery powered nibbler ABLK 18 1.6 E AS



Included in delivery

1 ABLK 18 1.6 E AS
(without battery pack or battery charger)
1 hexagon socket wrench 6 mm
1 plastic tool case

Cross references	page
Battery packs and chargers	428

Application range

> Compact nibbler suitable for bends for roof and curtain wall construction
> Precise cuts in trapezoidal and corrugated sheets as well as profiles

Characteristics

> Cutting direction can be variably adjusted by 360° in 45° increments due to tool-free rotatable die support
> Optimum handling due to extremely small gear head
> 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
> Rotating punch for up to 30 % longer service life
> QuickIN quick change system of die and punch
> Compatible with AMPShare / Bosch Professional 18 V batteries

Technical specifications	
Battery voltage	18 V
Battery compatibility	Li-Ion / ProCORE Li-Ion
Stroke rate	850 – 1350 rpm
Cutting speed	1.5 m/min
Weight without battery	1.71 kg
Steel up to 400 N/mm²	1.6 mm
Steel up to 600 N/mm²	1.0 mm
Steel up to 800 N/mm²	0.7 mm
Nonferrous metal up to 250 N/mm²	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	Not included in delivery

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

Info see page 429

Product in the online shop

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Battery powered nibbler ABLK 18 1.6 E AS	1		9150630000	4014586898568
Accessories				
Die-plate for ABLK 18 1.6 E AS	1		9150630001	4014586265056
Punch for ABLK 18 1.6 E AS	1		9150630002	4014586264370
Punch and die-plate in the set for ABLK 18 1.6 E AS (1 die + 5 punches)	1		9150630003	4014586275024

Cordless slitting shears ABSS 18 1.6 E AS



Included in delivery

1 Cordless slitting shears ABBS 18 1.6 E AS (without battery pack or battery charger)
1 plastic tool case

Cross references	page
Battery packs and chargers	428

Product in the online shop

Application range

> Handy slitting shears, suitable for bends, for use on 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, tool-free blade change without adjustment
> Clean swarf removal prevents scratching on the work piece and injuries
> Compatible with AMPShare / Bosch Professional 18 V batteries

Technical specifications	
Battery voltage	18 V
Battery compatibility	Li-Ion / ProCORE Li-Ion
Stroke rate	2200 – 3500 rpm
Cutting speed	5 – 8 m/min
Steel up to 400 N/mm²	1.6 mm
Steel up to 600 N/mm²	1.2 mm
Steel up to 800 N/mm²	0.8 mm
Nonferrous metal up to 250 N/mm²	2.0 mm
Cutting width	5.0 mm
Radius of the smallest curve	90 mm (30 mm with curve knife)
Immersion diameter	15 mm (8 mm with curve knife)
Battery pack	Not included in delivery
Curve knife	Not included in delivery

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

Info see page 429

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Cordless slitting shears ABSS 18 1.6 E AS	1		9150640000	4014586898599
Accessories				
Cutting dies for ABSS 18 1.6 E AS	1		9150640001	4014586239613
Cutting knife for ABSS 18 1.6 E AS	1		9150640002	4014586239583
Curve knife for ABSS 18 1.6 E AS	1		9150640003	4014586239590

Cordless hammer drill ABH 18-26 AS



Included in delivery

1 ABH 18-26 AS
(without battery pack or battery charger)
1 handle
1 depth stop
1 machine cloth
1 plastic tool case

Cross references	page
Battery packs and chargers	428

Application range

> For drilling up to 26 mm in concrete

Characteristics

> Rapid work progress thanks to brushless motor with high impact energy – fast construction progress and high chisel removal rate
> Protection for the user and tool by means of safety clutch and overload protection
> Electronic Precicision Control (EPC) - perfect handling and control for sensitive materials and challenging surfaces
> Fatigue-free working thanks to compact design and few vibrations
> Compatible with AMPShare / Bosch Professional 18 V batteries

Technical specifications	
Battery voltage	18 V
Battery compatibility	Li-Ion / ProCORE Li-Ion
Motor	Brushless
Idle speed	0 – 980 rpm
Impacts	0 – 4350 rpm
Impact energy	2.6 J
Tool holder	SDS-plus
Drill Ø concrete	26 mm
Drill Ø masonry	68 mm
Drill Ø steel	13 mm
Drill Ø timber	30 mm
Weight without battery	3.20 kg
Battery pack	Not included in delivery

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

Info see page 429

Product in the online shop

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Cordless hammer drill ABH 18-26 AS	1		9150650000	4014586897264

Battery packs and chargers



Cross references	page
ASCM 18 QSW AS	422
ASCM 18-4 QM AS	423
ASCD 18-300 W2 AS	424
ABLK 18 1.6 E AS	425
ABSS-18 1.6 E AS	426
ABH 18-26 AS	427

Application range

> For cordless screwdriver ASCM 18 QSW AS
> For cordless screwdriver ASCM 18-4 QM AS
> For cordless impact screwdriver ASCD 18-300 W2 AS
> For cordless nibbler ABLK 18 1.6 E AS
> For cordless slitting shears ABBS 18 1.6 E AS
> Cordless hammer drill ABH 18-26 AS

Characteristics

> 2 ProCORE Li-ion batteries with high-power cells with GAL 18V-160 quick charger (ProCORE battery starter set)
> Short charging times thanks to the high charging current of 8 amps, air-cooling and process-controlled charging management
> User-friendly and space-saving thanks to the device for winding up the mains cable
> Charging times (80 % of max. capacity): ProCORE 18 V 4.0 Ah: 32 min., ProCORE 18 V 8.0 Ah: 68 min., ProCORE 18 V 12.0 Ah: 113 min.
> Maximum work progress with AMPShare 18 V ProCORE batteries: COOLPACK 2.0 technology ensures 135 % longer battery life and 87 % more power than conventional batteries. "Electronic Cell Protection" ECP protects the battery and tool from overload, overheating and total discharge.

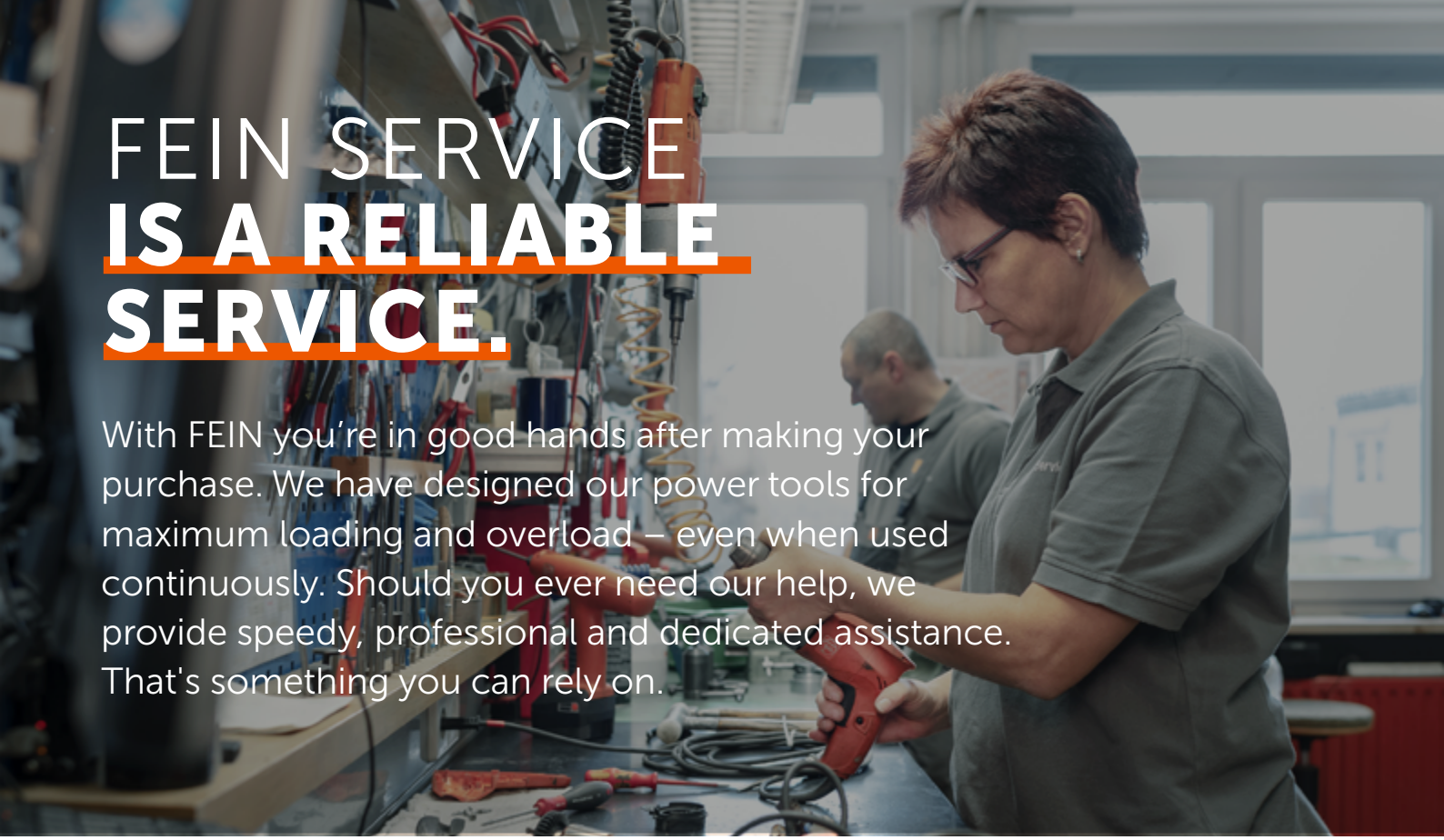
3-year FEIN PLUS Warranty
including battery and charger (if registered online)

Info see page 429

Product in the online shop

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Battery Starter Set ProCORE 18V 8.0 Ah AS*	1		9150600108	4014586895611
Battery Starter Set ProCORE 18V 12.0 Ah AS*	1		9150600112	4014586895628
Rapid charger GAL 18V-160 AS	1		9150600100	4014586896861
Battery pack ProCORE 18V 8.0 Ah AS	1		9150600008	4014586896908
Battery pack ProCORE 18V 12.0 Ah AS	1		9150600012	4014586896922

*Every Starter Set includes two ProCORE Li-Ion batteries and a battery charger.



FEIN SERVICE **IS A RELIABLE SERVICE.**

With FEIN you're in good hands after making your purchase. We have designed our power tools for maximum loading and overload – even when used continuously. Should you ever need our help, we provide speedy, professional and dedicated assistance. That's something you can rely on.

ONLINE PORTAL

One log-in – and the FEIN world of service is at your fingertips. With my.FEIN, we make it easy for you to bundle services in one place and ensure that you always have them to hand. Either with the convenience of the app or online at my.FEIN.com

3-YEAR FEIN PLUS WARRANTY

Quick registration – extended warranty period: We offer the 3-year FEIN PLUS warranty for all your FEIN power tools. All you need to do is register your new FEIN product at www.fein.com/warranty within 3 months of purchase. Here you will find which countries are covered and further information.

FEIN REPAIR SERVICE

No matter whether you contact us regarding repairs, maintenance or warranty claims – we process your orders quickly and efficiently through our FEIN authorised repair centres. They hold the right genuine FEIN spare parts in stock – even for many older tools. So you can get back to work as soon as possible.

FEIN SPAR PART CATALOGUE

You can easily find the right FEIN spare parts for your FEIN power tool online – using the FEIN spare part catalogue with intuitive search function and exploded views of the products.

MORE FEIN SERVICES ONLINE

On our website www.fein.com, you will find lots more information and service offerings:

+ FEIN premium service
+ Operating instructions and brochures available to download
+ FAQ
+ Maintenance information

Go to the FEIN Services directly using the following QR code:

ECORIV® ONE battery riveting tool 16.0V / 2.0 Ah



Included in delivery

1 battery riveter ECORIV ONE
4 retention nosepieces
2 batteries 2.0 Ah
1 rapid charger 220 V
1 installation wrench
1 plastic transport box L-Boxx

Cross references	page
Rivets	162

Product in the online shop

Application range

> For blind rivets made of aluminium, steel, copper and stainless steel up to Ø 5.0 mm
> For folding blind rivets up to Ø 5.2 mm

Advantages

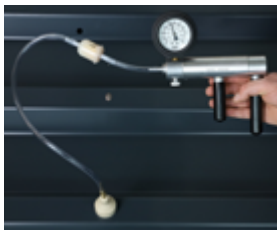
> Weight only 1.87 kg
> Transparent recuperation tank
> Powerful Li-Ion batteries with charge indicator
> Riveting point illuminated by LEDs
> Delivery with retention nosepieces for rivets 2.4 mm, 3.0/3.2 mm, 4.0 mm and 4.8/5.0 mm
> High-quality fast battery recharger
> Extended front sleeve optionally available
> Special nosepieces are optional available

Technical specifications	
Working stroke	21 mm
Tensile force	10,000 N
Max. pin diameter	3.4 mm
Battery capacity 2.0 Ah (rivets per battery charge depending on type and material)	Up to 2,000 pieces
Charging time of battery 2.0 Ah	< 1 hour
Weight of riveting tool	1.54 kg
Weight of battery 16 V / 2.0 Ah	0.33 kg
Height (without battery)	approx. 24 cm
Length (incl recuperation tank)	approx. 28 cm

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
EJOT ECORIV ONE 16.0V / 2.0 Ah incl. 2 batteries	1		9150490190	4016111635136
Accessories				
EJOT rapid charger 220 V for ECORIV ONE	1		9150490195	4016111554970
EJOT battery ECORIV ONE 16V / 2.0 Ah	1		9150490105	4016111554956
EJOT retention nosepiece ECORIV ONE 2.4 mm	1		9150490196	4016111605078
EJOT retention nosepiece ECORIV ONE 3.0+3.2 mm	1		9150490197	4016111605085
EJOT retention nosepiece ECORIV ONE 4.0 mm	1		9150490192	4016111605092
EJOT retention nosepiece ECORIV ONE 4.8+5.0 mm	1		9150490193	4016111605108
EJOT folding blind rivet nosepiece ECORIV ONE 5.2 mm	1		9150490127	4016111517913
EJOT facade nosepiece ECORIV ONE 5.0 K11	1		9150490132	4016111161734
EJOT facade nosepiece ECORIV ONE 5.0 K14	1		9150490133	4016111161741
EJOT facade nosepiece ECORIV ONE 5.0 K16	1		9150490134	4016111232885

Order information: ECORIV TWO upon request. Standard and special nosepieces upon request.

Vacu-tester



Included in delivery

1 manual pump with manometer and tube
2 nose pieces
1 operating manual
1 transport box

Application range

> For seal testing of screw and rivet connections on roofs and walls

Properties

> For screw and rivet connections on smooth airtight surfaces

Advantages

> Easy to handle
> Quick and accurate seal-testing of connections
> Minimal technical effort

Assembly instruction

Product in the online shop

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Vacu-tester	1		9150580000	4061245020426

Precision drill bit HSS



Application range

> For structural steel



Properties

> Form S
> Short spiral groove

Product in the online shop

Order description	D [mm]	L1 [mm]	Rotation speed [rpm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drill bit S 4.1/55	4.1	55	1,600	10		9250405000	4031093054782
Drill bit S 4.5/60	4.5	60	1,400	10		9250434000	4031093054904
Drill bit S 4.5/175	4.5	175	1,400	10		9250436000	4061245020136
Drill bit S 4.5/295	4.5	295	1,400	10		9250450295	4031093071550
Drill bit S 5.0/60	5.0	60	1,300	10		9250409000	4061245020280
Drill bit S 5.0/125	5.0	125	1,300	10		9250411000	4061245020273
Drill bit S 5.0/250	5.0	250	1,300	10		9250414000	4061245020259
Drill bit S 5.1/62	5.1	62	1,200	10		9250439000	4031093055093
Drill bit S 5.3/60	5.3	60	1,200	10		9250415000	4061245020242
Drill bit S 5.3/125	5.3	125	1,200	10		9250417000	4061245020235
Drill bit S 5.3/290	5.3	290	1,200	10		9250438000	4061245020129
Drill bit S 5.5/65	5.5	65	1,200	10		9250420000	4061245020211
Drill bit S 5.5/125	5.5	125	1,200	10		9250422000	4061245020204
Drill bit S 5.5/290	5.5	290	1,200	10		9250424000	4061245020181
Drill bit S 5.7/65	5.7	65	1,100	10		9250425000	4061245020174
Drill bit S 5.7/125	5.7	125	1,100	10		9250427000	4061245020167
Drill bit S 5.7/290	5.7	290	1,100	10		9250433000	4031093438230
Drill bit S 5.8/125	5.8	125	1,100	10		9250580125	4061245054148
Drill bit S 5.8/300	5.8	300	1,100	10		9250580300	4061245031347
Drill bit S 6.2/101	6.2	101	1,000	10		9250620101	4061245081113
Drill bit S 6.5/101	6.5	101	1,000	10		9250650101	4061245081120
Drill bit S 6.7/101	6.7	100	1,000	10		9250670101	4031093015790
Drill bit S 6.8/225	6.8	225	900	10		9250510000	4061245020051
Drill bit S 6.8/325	6.8	325	900	10		9250680325	4061245020044
Drill bit S 7.0/225	7.0	225	900	10		9250493000	4061245020112
Drill bit S 7.0/325	7.0	325	900	10		9250700325	4061245020037
Drill bit S 7.2/225	7.2	225	900	10		9250494000	4061245020105
Drill bit S 7.2/325	7.2	325	900	10		9250720325	4061245019970
Drill bit S 7.4/225	7.4	225	900	10		9250497000	4061245020099
Drill bit S 7.4/325	7.4	325	900	10		9250740325	4061245019963

Universal drill SDS plus®



Application range

> Materials for rotary drilling

Characteristics

> Drill bit specially designed for use in masonry
> Extremely sharp, specially ground carbide-metal plate
> For rotary drilling - no impact drilling possible - thanks to special SDS Plus attachment point
> Significantly higher anchor performance possible due to the precise and clean drill hole

Technical specifications





Product in the online shop

Order description	D [mm]	L1 [mm]	L2 [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Universal drill SDS-plus 8.0/210	8.0	210	150	1		9200000075	7612336178044
Universal drill SDS-plus 10/160	10	160	100	1		9200000063	4061245021034
Universal drill SDS-plus 10/260	10	260	200	1		9200000064	4061245021041

Hammer drill SDS plus®



Application range

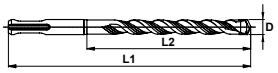
> For masonry, concrete, natural stone, artificial stone, etc.

Advantages

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

Technical specifications





Product in the online shop

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

Further lengths upon request

Hammer drill A-cone



Application range

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

Cross references	page
Drill bit extension	426

Product in the online shop

Order description	Diameter [mm]	Total length [mm]	Effective length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Hammer drill A-cone 5x160	5.0	160	100	1		9270050160	4061245080154
Hammer drill A-cone 6x160	6.0	160	100	1		9270060160	4061245080185
Hammer drill A-cone 8x160	8.0	160	100	1		9200080100	4039161009405

Hammer drill A-cone with flange



Application range

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

Advantages

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

Cross references	page
Drill bit extension	426

Product in the online shop

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

Drill bit extension



Application range

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

Characteristics

> Including expeller wedge

Technical specifications

SDS plus

Cross references	page
Hammer drill A cone	435

Product in the online shop

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

Starter set JBS-R 100/EcoTek



Application range

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

Characteristics

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

Included in delivery

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

Notice

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

Assembly instruction

Product in the online shop

Cross references	page
JBS-R/EcoTek	243
Cordless screwdriver ASCM QSW	422

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

Bit hexagon



Application range

> For fastening all EJOT Solar Fasteners

Technical specifications



Cross references	page
JT3-SB-3-8.0xL	199
JA3-SB-8.0xL	200
Bit holder	446

Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: 1/4“ hexagon DIN/ISO 1173 - form C 6.3					
SW5-1/4“/Cx25	25	1		9250514025	4050623101154

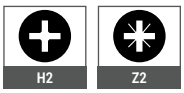
Bit cross recess



Application range

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

Technical specifications



Cross references	page
Bit extension with spring pin	441
Bit holder	446

Product in the online shop

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

Hexalobular bit TX



Application range

> For fastening of all EJOT fasteners with hexalobular drive TX

Technical specifications

TX

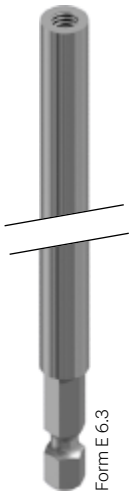
Cross references	page
Bit extension with spring pin	441
Bit holder	446

Product in the online shop

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

*** Special bit: conical design for force fit at screw head of painted screws**
****Bit with holding function for unpainted screws**

Bit extension



Application range

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

Technical specifications

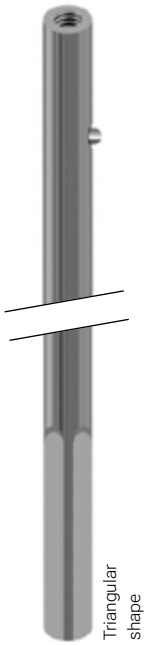


Cross references	page
Bit PH2-M6x35	438
TX25-M6x33	439
TX30-M6x33	439
EcoTek Tool	450

Product in the online shop

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

Bit extension with spring pin



Application range

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

Characteristics

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

Technical specifications



Cross references	page
HTK-2G 50	234
EcoTek 50	235
HTK-2G/TKR (loose, inserted)	238
HTK-2G/TKE (loose, inserted)	240

Product in the online shop

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

Socket wrench insert



Application range

> For fastening of all EJOT fasteners with hexagon head

Characteristics

> Clamping spring with ball
> Secure fit of the screw

Technical specifications



Cross references	page
Cordless screwdriver ASCM QSW	422

Product in the online shop

Order description	Drive and Size	Length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: 1/4" hexagon DIN/ISO 1173 - E 6.3						
K-SW7-1/4"x50 with ball and flat spiral spring	SW7	50	1		9250705106	4061245019987
K-SW8-1/4"x50 with ball and flat spiral spring	SW8	50	1		9250705104	4061245020006
K-SW3/8"-1/4"x50 with ball and flat spiral spring	SW3/8"	50	1		9250705105	4061245019994
K-SW10-1/4"x50 with ball and flat spiral spring	SW10	50	1		9250705102	4061245020020
K-SW13-1/4"x50 with ball and flat spiral spring	SW13	50	1		9250705103	4061245020013
S-SW17-1/4"x65	SW17	65	1		9250705107	4061245021119

Impact socket wrench



Application range

- For the installation of through bolts, concrete screws, LIEBIG® SUPERPLUS anchors and LIEBIG® safety anchors with hexagonal drive
- For processing concrete screws with hexalobular socket drive
- For use with torque wrench
- For use with impact wrench

Technical specifications



Cross references	page
Concrete screws	366
Cordless impact screwdriver ASCD	424
Torque wrench 1/2"	444

Product in the online shop

Order description	Drive and Size	Length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: 1/2" square						
Nut socket S-SW-8-1/2x78	SW8	78	1		9250072060	4050623702825
Nut socket S-SW13-1/2"x78	SW13	78	1		9250072062	4050623702849
Nut socket S-SW15-1/2"x78	SW15	78	1		9250172028	4050623702863
Nut socket S-SW17-1/2"x78	SW17	78	1		9250072065	4050623702887
Nut socket S-SW19-1/2"x78	SW19	78	1		9250072067	4050623702900
Nut socket S-SW22-1/2"x78	SW22	78	1		9250072069	4050623702924
Nut socket S-SW24-1/2"x78	SW24	78	1		9250072070	4050623702931
Nut socket S-SW27-1/2"x78	SW27	78	1		9250072071	4050623702948
Nut socket S-SW30-1/2"x78	SW30	78	1		9250172032	4050623702955
Nut socket S-SW32-1/2"x78	SW32	78	1		9250172033	4050623702962
Nut socket S-SW36-1/2"x78	SW36	78	1		9250172072	4050623702979
Socket wrench TX30-1/2"x35	TX30	35	1		8682900001	4061245082073
Socket wrench TX40-1/2"x35	TX40	35	1		8682900002	4061245082080

Torque wrench 1/2“ 10-50 Nm



Characteristics

> Automatically triggered
> With audible and tactile clicks when reaching the scale values
> Robust design with reversible ratchet
> With ergonomic 2-component handle
> Trigger accuracy ± 3 % according to DIN EN ISO 6789-1:2017-07

Technical specifications	
Length	360 mm
Drive square	1/2“
Area of operation	10 – 50 Nm
Model	Click-Torque C1
Scale division	0.25 Nm

Cross references	page
Impact socket wrench	443

Product in the online shop

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Torque wrench 1/2“ 10-50 Nm	1		9250580858	4013288193216

Torque wrench 1/2“ 60-300 Nm



Characteristics

> Automatically triggered
> With audible and tactile clicks when reaching the scale values
> Robust design with reversible ratchet
> With ergonomic 2-component handle
> Trigger accuracy ± 3 % according to DIN EN ISO 6789-1:2017-07

Technical specifications	
Length	595 mm
Drive square	1/2“
Area of operation	60 – 300 Nm
Model	Click-Torque C4
Scale division	1 Nm

Cross references	page
Impact socket wrench	443

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Torque wrench 1/2“ 60-300 Nm	1		9250580861	4013288193247

Product in the online shop

Bit holder



Application range

> For attachment of all bits with drive form C

Technical specifications



Cross references	page
Cordless screwdriver ASCM QSW	422
Hexagon bit	438
Cross recess bit	438
Hexalobular bit TX	439

Product in the online shop

Order description	Length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: 1/4" hexagon DIN/ISO 1173 - E 6.3					
BT-1/4"-1/4"x57	57	1		9150506031	4050623800019
BT-1/4"-1/4"x250	250	1		9250010120	4061245021126

FR Tool



Application range

> For reliable fastening of corrugated and trapezoidal profiles with FR screws
> For FR screws with sealing washers Ø 11.0 mm

Technical specifications



Characteristics

> Easy to use
> Optimum installation in any position
> Reliable screw guidance
> Captive

Advantages

> For efficient fastening of corrugated and trapezoidal profiles
> Fastener does not buckle to the side

Cross references	page
Cordless screwdriver ASCM QSW	422

Product in the online shop

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: 1/4" hexagon DIN/ISO 1173 - E 6.3				
EJOT FR Tool	1		9153600000	4061245061603
TX25-1/4"/Ex70	1		9150011000	4050623107200

FR VARIO Tool



Application range

> For reliable fastening of corrugated and trapezoidal profiles with FR screws
> For FR screws without sealing washers

Characteristics

> Easy to use
> Optimum installation in any position
> Reliable screw guidance
> Captive

Advantages

> For efficient fastening of corrugated and trapezoidal profiles
> Fastener does not buckle to the side

Technical specifications



Cross references	page
Cordless screwdriver ASCM QSW	422

Product in the online shop

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: 1/4“ hexagon DIN/ISO 1173 - E 6.3				
EJOT FR Variotool	1		9153630000	4061245061610

FR pool - plastic



Application range

> For reliable fastening of corrugated and trapezoidal profiles with FR screws
> For FR screws without sealing washer or with sealing washer E11

Characteristics

> Easy to use
> Optimum installation in any position
> Reliable screw guidance
> Captive

Advantages

> For efficient fastening of corrugated and trapezoidal profiles
> Fastener does not buckle to the side

Technical specifications



Cross references	page
Cordless screwdriver ASCM QSW	422

Product in the online shop

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: 1/4“ hexagon DIN/ISO 1173 - E 6.3				
EJOT FR Tool plastic	1		9152600000	4061245020358

LT/STS tool - plastic



Application range

> For reliable fastening of LT screws with 12.0 and 16.0 mm head diameter
> For reliable fastening of STS screws with 12.0 mm and 14.5 mm head diameter

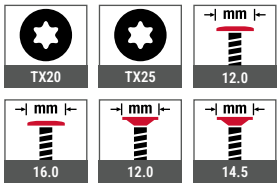
Characteristics

> Easy to use
> Optimum installation in any position
> Reliable screw guidance

Advantages

> Fastener does not buckle to the side

Technical specifications



Cross references	page
Cordless screwdriver ASCM QSW	422

Product in the online shop

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: 1/4“ hexagon DIN/ISO 1173 - E 6.3				
EJOT LT / STS Tool TX20	1		9152700002	4061245074160
EJOT LT / STS Tool TX25	1		9152700000	4061245020341

STS tool - metal (set)



Application range

> For reliable fastening of STS screws with 12.0 mm and 14.5 mm head diameter

Characteristics

> Easy to use
> Optimum installation in any position
> Reliable screw guidance

Advantages

> Fastener does not buckle to the side

Technical specifications



Cross references	page
Cordless screwdriver ASCM QSW	422

Product in the online shop

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: 1/4“ hexagon DIN/ISO 1173 - E 6.3				
STS Tool - metal (set)	1		9152700012	4061245082103

LT-XT Tool



Application range

> For reliable fastening of LT-XT screws with 16.0 mm head diameter
> For driving the LT-XT centring grommets

Characteristics

> Easy to use
> Optimum installation in any position
> Reliable screw guidance

Advantages

> Fastener does not buckle to the side
> Long service life and high precision thanks to steel design

Technical specifications



Cross references	page
Cordless screwdriver ASCM QSW	422

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: 1/4“ hexagon DIN/ISO 1173 - E 6.3				
EJOT LT-XT Tool	1		9152800000	4061245061504

Product in the online shop

SW8 VARIO Tool



Application range

> For the reliable fastening of JT6 and JT9-2/5-5.0 VARIO
> For strip-proof fastening of JF3-5.5 with sealing washer ≤ E14

Characteristics

> Clamping feature
> Easy to use
> Optimum installation in any position
> Reliable screw guidance

Advantages

> Fastener does not buckle to the side
> Long service life and high precision thanks to steel design
> Symmetrically distributed clamp load in the joint due to fastening until end stop
> Reduced external diameter of 17.2 mm

Technical specifications

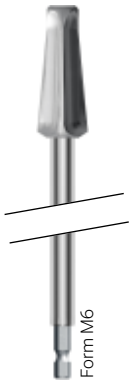


Cross references	page
Cordless screwdriver ASCM QSW	422

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: 1/4“ hexagon DIN/ISO 1173 - E 6.3				
SW8-Vario Tool	1		9152900000	4061245020327

Product in the online shop

Complete EcoTek Tool



Application range

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

Characteristics

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

Cross references	page
Stress plate EcoTek 50	235
JBS-R/EcoTek	243
Cordless screwdriver ASCM QSW	422

Product in the online shop

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

Magnet bracket HTV-RU



Application range

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

Technical specifications

H2

Cross references	page
Stress plate HTV-RU-40 W	236
Cordless screwdriver ASCM QSW	422

Product in the online shop

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

Tool belt



Application range

> For ergonomic installation of two-part DH insulation support anchors, facade anchors and through bolts

Characteristics

> Can take up to 50 DH insulation support anchors



Cross references	page
DH insulation support anchor	292
Facade anchor	320
Through bolt	338

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Tool belt	1		9150000001	4061245020457

Product in the online shop

Hip belt flat roof



Application range

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

Characteristics

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

Technical specifications



Cross references	page
DABO® TKR-4.8	218
DABO® TKE-4.8	220
Stress plate HTV-RU-40 W	236
Stress plate JBS-R/EcoTek	243
Flat roofing anchor FDD-Plus -R	246
Flat roofing anchor FDD-Plus -E	248

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

Product in the online shop

Installation tool for through bolts



Application range

> For the reliable installation of through bolts BA Plus

Technical specifications

SDS plus

Cross references	page
BA-V Plus	339
BA-E Plus	341

Product in the online shop

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Installation tool for through bolts M6 - M10	1		9650079020	4061245001791
Installation tool for through bolts M12 - M20	1		9650079021	4061245001784

NEW Installation tool 2.0 for drop-in anchors JE+



Application range

> For making the drill hole
> For fast and reliable installation of drop-in anchor JE+

Technical specifications

SDS plus

Characteristics

> Weight-optimised design
> Optimised 4-cutting edge geometry

Notice

Type LA+ and LAL+ drive-in anchors must not be processed with these setting tools.

Cross references	page
Drop-in anchor JE+	345

Product in the online shop

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Installation tool 2.0 for drop-in anchors 8x30	1		9160020830	4061245100715
Installation tool 2.0 for drop-in anchors 10x40	1		9160021040	4061245100722

NEW Manual installation tool 2.0 for drop-in anchor JS+ und JE+



Application range

> For installation of drop-in anchors JS+, JE+

Characteristics

> Hand protection made of rubber
> Polyethylene / galvanised zinc-plated steel

Notice

Due to the different setting depths, these tools are not suitable for installing LA+ and LAL+ drop-in anchors.

Cross references	page
Drop-in anchor JS+	344
Drop-in anchor JE+	345

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Manual setting tool 2.0 M6	1		9160000000	4061245097619
Manual setting tool 2.0 M8	1		9160000001	4061245097626
Manual setting tool 2.0 M10	1		9160000003	4061245097640
Manual setting tool 2.0 M12	1		9160000005	4061245097664

Product in the online shop

Applicator gun AP 420 ml



Cross references

	page
Mortar cartridge USF 420 ml	359

Application range

> For Multifix USF 420 ml
> For Multifix PSF+ 420 ml

Notice

Depending on the temperature, mortar cartridges require higher contact forces (~ 1 kN) than e.g. silicone cartridges. These applicator guns feature a corresponding transmission ratio.

Product in the online shop

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Applicator gun AP 420 ml	1		9570010380	4061245091808

Applicator gun Side by Side AP 345ml



Cross references

	page
Mortar cartridge USF 280 ml	359
Mortar cartridge USF winter	361

Application range

> For Multifix USF 280 ml
> For Multifix USF Winter 300 ml
> For pressing-out of other various cartridges 280 / 300 ml (e.g. silicone)

Characteristics

> Additional pressing-out cylinder can be used to read the cartridge scale

Notice

Depending on the temperature, mortar cartridges require higher contact forces (~ 1 kN) than e.g. silicone cartridges. These applicator guns feature a corresponding transmission ratio.

Product in the online shop

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Applicator gun Side by Side AP 345ml	1		9570010345	4001990541951

Cleaning brush RBT metal



Application range

> For cleaning drill holes of chemical anchoring in concrete and masonry

Advantages

> For approval-compliant drill hole cleaning
> Use in combination with standard cordless screwdriver, drill or T-handle

Product in the online shop

Order description	Total length [mm]	Diameter Brush head [mm]	For drill hole diameter [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
SDS Plus Adapter RBT M6	110	–	–	1		9150100100	4061245081014
T-handle for metal brush M6	–	–	–	1		9150100200	4061245105970
Cleaning brush 10 metal	170	12	8	1		9150100010	4061245082011
Cleaning brush 12 metal	170	14	10	1		9150100012	4061245082028
Cleaning brush 14 metal	170	16.3	12	1		9150100014	4061245082035
Cleaning brush 16 metal	200	18	14	1		9150100016	4061245082042
Cleaning brush 18 metal	200	20	16	1		9150100018	4061245082059
Cleaning brush 20 metal	250	22.6	18	1		9150100020	4061245082066

Blow-out pump



Application range

> For cleaning drill holes in concrete and masonry

Advantages

> Easy to use
> Highly effective cleaning
> Universal purpose

Product in the online shop

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Blow-out pump 6 mm	1		9150300001	4061245020433
Blow-out pump from 8 mm on	1		9150300000	4039161019084

Spray oil



Application range

> Industry and trade applications
> Suitable for lubricating mechanical parts

Characteristics

> Maintenance, lubrication, disinfection, rust protection
> Creeps in smallest corners, active glide effect
> Does not become resinified, completely bio-degradable
> Foodfast, dermatologically tested and completely harmless

Product in the online shop

Order description	Content [ml]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Spray oil 200 ml	200	1		9150911000	4017777217001

Corrosion protection spray



Application range

> To protect zinc-plated facade anchor screws from moisture and driving rain

Characteristics

> Permanently elastic protection from moisture and driving rain
> Can be sprayed upside-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 galvanised zinc-plated facade anchor screws (excerpt from ETA-10/0305)

The special screw made of galvanised 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 a 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).

Product in the online shop

Order description	Content [ml]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Corrosion protection spray	500	1		8200020100	4008153740343

Nail puller



Properties

> CV steel, chrome-plated
> 2-component handle

Technical specifications	
Diameter	7 mm
Blade length	100 mm
Grip length	105 mm
Weight	90 gram

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Athlet nail puller with 2-plastics grip	1		9250005836	4061245020297

Product in the online shop

Application tool



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. [...]"

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Application tool for sandwich panels and metal profiles	1		9150230008	4061245020440

Product in the online shop

Product and note images

Applications

Timber Construction


Joining wooden beams


Timber rafter to timber purlin


Wood-based panel on wood-en component


Support lath on counter lath


Above-rafter insulation fastening


Fastening steel components to timber substructures


Roof boarding on timber component

Industrial Lightweight Construction


Roofing sheet to timber substructure


Fibre cement board to steel purlin


Fibre cement board to steel purlin


Fibre cement board to timber purlin


Trapezoidal profile to steel purlin


Trapezoidal profile to steel purlin

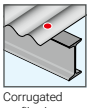

Trapezoidal profile to steel purlin


Trapezoidal profile to insertion rail


Trapezoidal profile to timber purlin


Side lap stitching of trap-ezoidal profile


Corrugated profile sheet to steel purlin


Corrugated profile sheet to steel purlin


Corrugated profile sheet to steel purlin


Corrugated profile sheet to insertion rail


Corrugated profile sheet to timber purlin


Side lap stitching of corrugated


Load-bearing shell to steel purlin


Load-bearing shell to steel purlin


Load-bearing shell to steel purlin


Load-bearing shell to inser-tion rail


Load-bearing shell to timber purlin


Roof boarding/ OSB to timber purlin


Side lap stitch-ing of load-bear-ing shell


Steel spacer profile to load-bearing shell


Steel spacer profile to load-bearing shell


Spacer wood to load-bearing shell


Sandwich panel to steel purlin


Sandwich panel to steel purlin


Sandwich panel to steel purlin


Sandwich panels to insertion rail


Sandwich panel to concrete substructure


Sandwich panel to concrete substructure


Sandwich panel to timber purlin

Side lap stitch-ing of sandwich panel

Trapezoidal profile to steel purlin

Trapezoidal profile to steel purlin

Trapezoidal profile to steel purlin

Trapezoidal profile to steel purlin

Trapezoidal profile to insertion rail

Trapezoidal profile to timber purlin

Side lap stitching of trap-ezoidal profile

Corrugated profile sheet to steel purlin

Corrugated profile sheet to steel purlin

Corrugated profile sheet to steel purlin

Corrugated profile sheet to steel purlin

Corrugated profile sheet to insertion rail

Corrugated profile sheet to timber purlin

Side lap stitching of corrugated profile sheet

Cassette to steel purlin

Cassette to steel purlin

Cassette to steel purlin

Cassette to insertion rail

Cassette to timber purlin

Cassette side lap stitching

Trapezoidal profile to cassette

Corrugated profile sheet to cassette

Trapezoidal/ top-hat profile to insulated cassette

Sandwich panel to cassette

Sandwich panel to steel purlin

Sandwich panel to steel purlin

Sandwich panel to steel purlin

Sandwich panels to insertion rail

Sandwich panel to concrete substructure

Sandwich panel to timber purlin

Metal profile/ chequer plate to metal substructure

Metal profile/ chequer plate to timber purlin

Side lap stitch-ing of profiled plastic sheets

Side lap stitch-ing of profiled plastic sheets

Pipe flashing

Aluminium profile to aluminium substructure

Aluminium profile to timber substructure

Clip to milled system rail

Clip to spacer

Clip to trapezoi-dal profile

Clip to roof boarding/OSB

System rail to thin-walled steel/aluminium substructure

Wood to steel substructure

Edged sheet metal to metal substructure

Product and note images

Applications

Solar


Clip to spacer


Clip to spacer


Clip to trapezoidal profile


Clip to roof boarding/OSB


Solar fastener for trapezoidal profile to timber substructure


Solar fastener for sandwich panel to timber substructure


Solar fastener for fibre cement board to timber substructure


Solar fastener for trapezoidal profile to steel substructure


Solar fastener for sandwich panel to steel substructure


Solar fastener for fibre cement board to steel substructure


Trapezoidal sheet flashing to steel substructure


Support rail to steel substructure

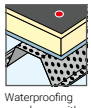
Flat Roofing


Waterproofing membrane to roof boarding/OSB


Waterproofing membrane to concrete


Waterproofing membrane to aerated concrete


Waterproofing membrane with insulation to trapezoidal profile


Waterproofing membrane with insulation to trapezoidal profile


Waterproofing membrane with insulation to roof boarding/OSB


Waterproofing membrane with insulation to concrete


Waterproofing membrane with insulation to aerated concrete


Waterproofing membrane with slope insulation to concrete


Waterproofing membrane with insulation to trapezoidal profile


Waterproofing membrane with insulation to concrete


Waterproofing membrane with insulation to aerated concrete


Waterproofing membrane with insulation to roof boarding/OSB


Waterproofing membrane to wall connection made of concrete

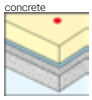

Waterproofing membrane to wall connection made of aerated concrete


Multitired roof set-up to concrete

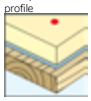

Multitired roof set-up to aerated concrete


Multitired roof set-up to roof boarding/OSB


Insulating material to concrete


Insulating material to aerated concrete


Insulating material to trapezoidal steel


Insulation material to timber and wood-based material

Rainscreen Facades


Wall bracket (stainless steel/aluminium) to support profile (aluminium)


Aluminium profile to aluminium substructure


Aluminium profile to aluminium substructure


Aluminium profile to timber substructure


Corrugated profile sheet to metal substructure


Small metal shingles/brackets to steel profile

Facade panel to steel substructure

Facade panel to aluminium substructure

Facade panel to timber substructure

Insulating material to concrete and masonry

Anchoring Technology

Timber substructure to concrete

Timber substructure to solid brick

Timber substructure to perforated brick

Timber substructure to aerated concrete

Metal substructure to concrete

Metal substructure to solid brick

Metal substructure to perforated brick

Metal substructure to aerated concrete

Embedment in concrete ceiling

Windows and Glass Facades

Fastening of plastic windows in masonry/concrete

Fastening of wooden windows in masonry/concrete

Interior Work

Connecting metal sections in dry-wall construction

Fixing of steel air ducts

Plasterboard to metal stud wall

Plasterboard to timber stud wall

Fastening to plasterboard

Fastening in concrete ceiling

Fastening of ceiling insulation

Product and note images

Technical data | Certifications | Other

Technical specifications



Drilling capacity t_1+t_2



Drilling capacity t_1



Drilling capacity t_{II}



Installation rotation speed


Screw with swarf-reducing point



Clamping thickness screw



Diameter Hexagon head



Diameter Countersunk head



Diameter Countersunk head with flange



Diameter Pan head



Diameter LT Pan head



Diameter LT Pan head with cutting ring



Diameter Truss head



Diameter Flat head



Height hexagon head



Height LT pan head



Height LT pan head with cutting ring



Height truss head



Height flat head



Screw diameter with hexagon head



Screw diameter with counter-sunk head



Screw diameter with STS countersunk head



Screw diameter with pan head



Screw diameter with LT pan head



Screw diameter with LT pan head with cutting ring



Screw diameter with truss head



Screw diameter with flat head


End mill



Point type


Wing drill screw



Flange head diameter



Undercut



High thread diameter



Length non-threaded part hexagon head screw



Length non-threaded part LT pan head screw



Length non-threaded part LT-XT pan head screw


Tool for FR screws with sealing washer


Tool for screws without sealing washer



Diameter left-hand thread



Diameter rivet setting head

Height rivet setting head

Diameter riveting mandrel

Diameter rivet shaft

Drill hole diameter rivet

Push-on cap

Centring grommet

Effective shaft length

Flat roofing anchor diameter

Flat roof stress plate diameter

Clamping thickness metal anchor

Set screw diameter

Internal thread diameter

Threaded sleeve external diameter

Insulation support anchor shaft diameter

Insulation support anchor washer diameter

Nylon anchor diameter

Metal anchor diameter

Tightening torque

Drive SDS plus®

Drill with 4-cutting edge geometry

PGM Masonry Drill Bit Certification Board

Sealing washer size and material

Drive cross recess H

Drive external cross recess H

Drive cross recess Z

Drive external cross recess Z

Drive internal square

Drive external square

Drive external triangular

Drive external hexagon

Drive internal hexagon

Drive external hexagon/hexalobular

Drive hexalobular

Drive external hexalobular

Nominal drill diameter

Drill hole diameter

Drill hole depth

Drill hole depth

Nominal embedment depth

Effective embedment depth

Embedment depth

Through hole component I

Slip resistance due to telescopic system

Slip resistance through support (metal-plastic)

Slip resistance through support (metal-metal)

Checked fastening element acc. to ETB guideline

Resistance class of burglar-resistant components

Waterproof

Protect from moisture

Stainless steel material

Suitable for high-strength substructures

Also available as painted version

Values determined by the Passivhaus Institute

Fire performance class according to European standard and DIN

Fire resistant

Suitability according to seismic performance category

Top Coating C1000

Top Coating CLIMADUR

Top Coating EJOGUARD

EJOGUARD+ coating

Flat roof profile length

Flat roof profile width

Flat roof profile height

Certifications



European Technical Assessment



National technical approval abZ



General construction technique permit aBG



National technical test certificate abP



FM Approval product certification by FM Global



Environmental Product Declaration EPD



Emission category according to French VOC directive



International Code Council Evaluation Service



LEED-tested



Certified according to NSF/ANSI 61 drinking water system components

Other



Cross reference to previous page



Cross reference to next page



Online shop



Follow assembly instructions



Video

Technical abbreviations

Abbreviation	Description	Unit
a	Spacing	mm
a_p	Distance between drill hole and armouring	mm
a_z	Shell distance / gap	mm
b	Component width	mm
C	Minimum edge distance for S_{min}	mm
c	Edge distance	mm
$c_{cr,N}$	Characteristic edge distance	mm
C_{min}	Minimum edge distance	mm
d	Thread outer diameter / nominal diameter	mm
d_0	Nominal drill diameter / drill hole diameter	mm
DC	Drilling capacity	mm
d_{cut}	Cutting diameter of the drill bit	mm
d_f	Diameter of the through hole in the attachment	mm
d_h	Head diameter	mm
d_{head}	Head diameter	mm
d_{nom}	Effective external diameter	mm
d_k	Diameter cone	mm
d_{SW}	Pre-drilled hole in sandwich panel	mm
f	Thread length in the anchor	mm
f_b	Minimum compressive strength	N/mm²
f_{ck}	Nominal characteristic compressive strength	N/mm²
f_{max}	Maximum installation depth	mm
f_{min}	Minimum installation depth	mm
F_{Rk}	Characteristic resistance	kN
F_{zul}	Permitted load	kN
h	Component thickness	mm
h	Component height	mm
h_0	Drill hole depth	mm
h_1	Drill hole depth to deepest point	mm
h_a	Thickness of the outer sheet	mm
h_D	Insulation thickness	mm
h_{ef}	Installation depth in the load-bearing layer	mm
h_{ef}	Effective embedment depth	mm
h_{min}	Minimum thickness of base materials	mm
h_{nom}	Nominal embedment depth	mm

Abbreviation	Description	Unit
k	Height of cone	mm
L	Length	mm
l	Screw length	mm
l_d	Anchor length	mm
l_g	Thread length	mm
l_s	Sleeve length	mm
l_s	Screw length	mm
L_s	Thread length in the anchor	mm
M	Internal thread diameter	mm
M_{Rk}	Bending moment	Nm
M_{zul}	Admissible bending moment	Nm
N	Tensile load	kN
N_{rec}	Recommended tensile capacity	kN
N_{Rk}	Characteristic resistance	kN
S	Minimum centre distance for C_{min}	mm
s_1	Center distance (perpendicular to the free edge) within an anchor group	mm
s_2	Center distance (parallel to the free edge) within an anchor group	mm
$s_{cr,N}$	Characteristic centre distance	mm
S_{min}	Minimum centre distance	mm
SW	Wrench size	mm
t	Drill hole depth	mm
t_1	Component thickness 1	mm
t_{fix}	t_{tol} + thickness of attachment	mm
Tinst	Tightening torque	Nm
t_s	Overall drill hole depth	mm
t_{sheet}	Panel thickness	mm
t_{tol}	Thickness of tolerance compensation or of the non-load-bearing outer layer	mm
V	Transverse load	kN
V_{rec}	Recommended shear load capacity	kN
V_{Rk}	Shear load capacity	kN
ρ	Raw density class	kg/dm³

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