



Fastening Technology

Industrial Window and Facade Technology

High-quality fasteners for window manufacturing and window installation



Fastening Technology for Window Production

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The Fastener.

Fastening technology for the building industry

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

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

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

Our service range covers outstanding logistics and availability of products, qualified advice for product selection and processing. We provide our customers with expert knowledge regarding the application of our products. Whenever needed, we support our customers with all their fastening queries.

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



Our service – **Your advantage**

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



Quality Management System

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

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

Our service includes:

- Personal customer service representative - also at the construction site
- Anchor pull-out tests at the construction site
- Expert advice over the phone
- Provision of texts for invitation to tender
- Fast and reliable delivery service
- In-house training

Your advantages:

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

Expert knowledge and innovations

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

One thing applies to all EJOT products:

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

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



Industrial Lightweight Construction

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



External Thermal Insulation Composite Systems

Special anchors for fixing insulation on external wall systems.



Flat Roofing

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



Rear Ventilated Facades

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



Industrial Window and Facade Technology

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



Solar

Fastening technology for PV installations

We believe in complete **transparency**

CE-labeling and traceability of EJOT window screws.

In 2013, the new EU Construction Products Regulation – (CPR) entered into force. All products for which there are harmonised technical specifications (harmonised standards or European Assessment Documents) must bear a CE label in the future. Manufacturers are required to give a declaration of performance for these products, and must also ensure traceability.

For windows and exterior doors the product standard EN 14351-1 applies, in which the performance characteristics for "windows and exterior doors without resistance to fire and smoke control" are standardised. Neither harmonised standards nor European Assessment Documents are available for window screws or for most fittings. For that reason it is currently impossible, and also not requested, to mark EJOT window screws and installation material with the CE label.

Irrespective of this, EJOT Construction Fasteners is certified according to ISO 9001. All products, including the EJOT window screws and window installation screws, are subject to strict quality control and documentation. For full traceability each package shows the batch number, in addition to the exact product name, which you can include in your factory production control (FPC). This way EJOT effectively offers support for the implementation of the EU Construction Products Regulation.

EJOT products at **ausschreiben.de**

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

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

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

WWW.AUSSCHREIBEN.DE

Or directly under EJOT: www.bau.ejot.de/ausschreibung

Your advantages:

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



We have a strong commitment...

for sustainability – EJOT EPD

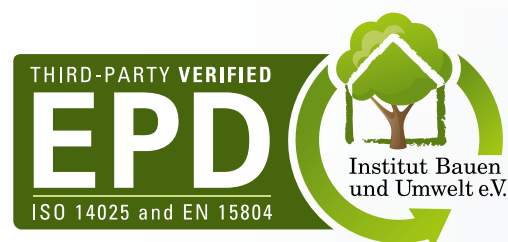
Environmental protection and the sustainable use of resources are amongst the most important future projects. Sustainability is also becoming more and more important for the building and real estate industry.

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

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

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

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





We are involved in relevant associations

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



Association for Materials and Components for Rear-Ventilated Facades
www.fvhf.de



German Fastener Association
www.schraubenverband.de



Verband Fenster + Fassade
www.window.de



Fachverband Werkzeugindustrie e.V.
www.werkzeug.org



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



Institute Construction and Environment (Institut Bauen und Umwelt e.V.)
www.bau-umwelt.de



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



Global Fastener Alliance®
www.globalfasteneralliance.com



Informationsstelle Edelstahl Rostfrei
www.edelstahl-rostfrei.de



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

Quality through research

EJOSEAL

Increased corrosion protection through high-quality sealant

In order to stabilise the passivation layer of galvanised zinc or zinc alloy coatings, sealants are added as an additional layer.

EJOSEAL is an inorganic, silicium-based sealant, to increase the corrosion and heat resistance of fastening elements with zinc or zinc alloy coatings. EJOSEAL is silicone-free and solvent-free, ecologically safe and it does not contain chromate in the dry film.

The applied layer is transparent. EJOSEAL does not contain wax and is ideally suitable for direct fastening into plastic.

EJOSEAL offers the following advantages:

- Corrosion protection up to 240 h NSS until Fe corrosion more is also possible
- Ecologically safe
- Free from silicone and solvents
- UV-resistant
- Good adhesion and minimal abrasion
- Heat resistant up to 150°C



With EJOSEAL coating



Without EJOSEAL coating
Corrosion after 456 h testing according to DIN 50021 (coating thickness zinc 8µ blue)

Verification procedure

Fire protection

According to ETA-10/0200 proof of fire resistance test for screws not required.

With regards to fire protection the European Technical Approval ETA-10/0200 assumes, that screws fulfill the class A1 requirements (non-combustible) with respect to fire behaviour, and in accordance with the commission decision 96/603 / EC (including changes) they do not have to be examined because of the listing in this decision.

The evaluation of fire resistance is only relevant for the mounted system (screws, profile and substructure), which is not subject to this European Technical Approval.

A direct proof of the fire resistance for EJOT frame anchors is not available.



Reliability

for automated assembly



Fastening Technology for Window Production

For process reliable assembly in modern window production lines EJOT supplies roller sorted self-drilling window screws

With EJOMAT a high sorted quality, problem-free assembly processes as well as improved results during automated fastening are possible, and maximum economic efficiency can be achieved. Depending on the demanded purity grade, a quality of 30 ppm (parts per million – acceptable number of defective parts per 1,000,000 parts) can be delivered on request.



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Test report

No. 509 20107/1+2

Cross reference

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EJOT® window screw type S

Ø [mm]	Length [mm]	PU	Order description	Article number
EJOSEAL				
4.2	13	1,000	Window screw S 4.2x13	2 225 413 607
4.2	16	1,000	Window screw S 4.2x16	2 225 416 607*
4.2	20	1,000	Window screw S 4.2x20	2 225 420 607
4.2	22	1,000	Window screw S 4.2x22	2 225 422 607
4.2	25	1,000	Window screw S 4.2x25	2 225 425 607*
4.2	28	1,000	Window screw S 4.2x28	2 225 428 607
4.2	30	1,000	Window screw S 4.2x30	2 225 430 607
4.2	35	1,000	Window screw S 4.2x35	2 225 435 607*
4.2	40	1,000	Window screw S 4.2x40	2 225 440 607
4.2	45	1,000	Window screw S 4.2x45	2 225 445 607
4.2	55	1,000	Window screw S 4.2x55	2 225 455 607
Zinc plated, blue passivated				
4.2	16	1,000	Window screw S 4.2x16	2 225 416 601*
4.2	25	1,000	Window screw S 4.2x25	2 225 425 601*
4.2	30	1,000	Window screw S 4.2x30	2 225 430 601
4.2	35	1,000	Window screw S 4.2x35	2 225 435 601*
4.2	55	1,000	Window screw S 4.2x55	2 225 455 601
4.2	65	1,000	Window screw S 4.2x65	2 225 465 601
*stainless steel on request T15 recess upon request Order information: head finish in RAL colours on request				

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

Classic screw for fittings, technically leading, with double-start thread
The optimum also in thin-walled profiles
Optimum stripping torques and pull-out values in PVC
Roller sorted quality for automated fastening
Case-hardened steel

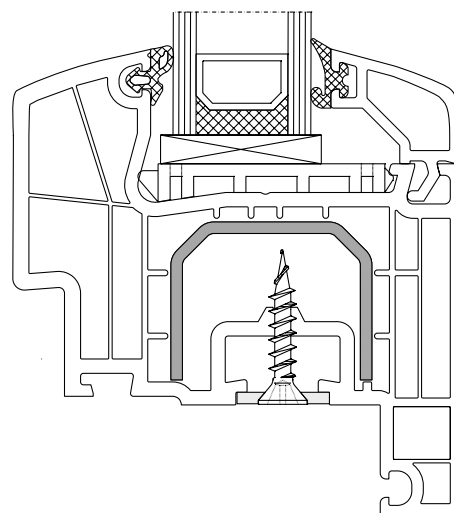
Processing information

Fasten with a rotation speed of 1,500 to 2,000 rpm
Can also be fastened in steel, pre-drilling required (see chart)
Can also be fastened in GRP
pre-drilling might be required

Technical Data

Head diameter	7.3 mm
Drive	Cross recess PH 2
Thread type	double-start thread

Sheet thickness	Pre-drill Ø
1.5 mm	3.0 mm
2.0 mm	3.2 mm
2.5 mm	3.5 mm



EJOT® self-drilling window screw type Super-E

Ø [mm]	Length [mm]	PU	Article number	Article number
EJOSEAL				
4.2	16	1,000	Window screw Super-E 4.2x16	2 253 416 607
4.2	20	1,000	Window screw Super-E 4.2x20	2 253 420 607
4.2	22	1,000	Window screw Super-E 4.2x22	2 253 422 607
4.2	25	1,000	Window screw Super-E 4.2x25	2 253 425 607
4.2	28	1,000	Window screw Super-E 4.2x28	2 253 428 607
4.2	30	1,000	Window screw Super-E 4.2x30	2 253 430 607
4.2	35	1,000	Window screw Super-E 4.2x35	2 253 435 607
4.2	40	1,000	Window screw Super-E 4.2x40	2 253 440 607
4.2	45	1,000	Window screw Super-E 4.2x45	2 253 445 607
4.2	55	1,000	Window screw Super-E 4.2x55	2 253 455 607
Zinc plated, blue passivated				
4.2	22	1,000	Window screw Super-E 4.2x22	2 253 422 601
4.2	25	1,000	Window screw Super-E 4.2x25	2 253 425 601
4.2	30	1,000	Window screw Super-E 4.2x30	2 253 430 601
4.2	35	1,000	Window screw Super-E 4.2x35	2 253 435 601
4.2	40	1,000	Window screw Super-E 4.2x40	2 253 440 601
4.2	45	1,000	Window screw Super-E 4.2x45	2 253 445 601

T15 recess upon request

Order information: head finish in RAL colours on request

Application range

Fastening of tilt and turn fittings in PVC profiles and in steel or GRP inserts
Fixing locking plates, strips and bearings

Properties

Cost-effective screw for fittings with single-start thread
Under-head serrations for increased safety against stripping
Slightly curved head for flawless appearance even with bevelled installation
Roller sorted quality for automated fastening
Case-hardened steel

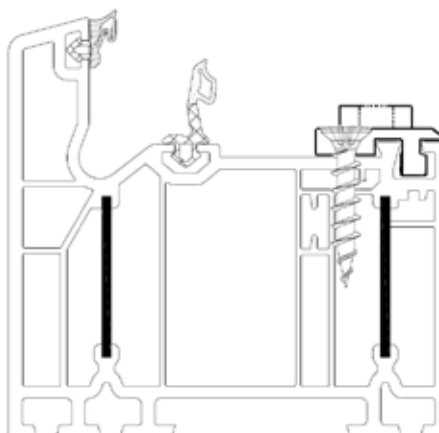
Processing information

Fasten with a rotation speed of approximately 1,500 to 2,000 rpm
Can also be fastened in steel, pre-drilling required (see chart)
Can also be fastened in GRP pre-drilling might be required

Technical Data

Head diameter	7.1 mm
Drive	Cross recess PH 2
Thread type	single-start screw thread

Sheet thickness	Pre-drill Ø
1.5 mm	3.0 mm
2.0 mm	3.0 mm
2.5 mm	3.0 mm



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EJOT® window screw type S/Tg

with partial thread

Ø [mm]	Length [mm]	PU	Order description	Article number
EJOSEAL				
4.2	25	1,000	Window screw S/Tg 4.2x25	2 232 325 607

Application range

Fixing gear rack and baffle gear

Properties

The threadless area minimises

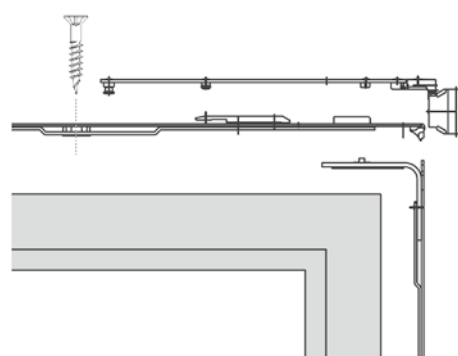
The friction at the joint of gear rack / baffle gear

Permanent, easy opening and closing of the window is ensured

Case-hardened steel

Technical Data

Head diameter	7.3 mm
Drive	Cross recess PH 2
Thread type	double-start thread



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EJOT® self-drilling window screw type Super-E/Tg

with partial thread

Ø [mm]	Length [mm]	PU	Order description	Article number
EJOSEAL				
4.2	22	1,000	Window screw Super-E/TG 4.2x22	2 290 336 607
4.2	25	1,000	Window screw Super-E/TG 4.2x25	2 254 325 607
Zinc plated, blue passivated				
4.2	22	1,000	Window screw Super-E/TG 4.2x22	2 290 336 601

Application range

Fixing gear rack and baffle gear

For narrow casement profiles

Properties

The threadless area minimises

The friction at the joint of gear rack / baffle gear

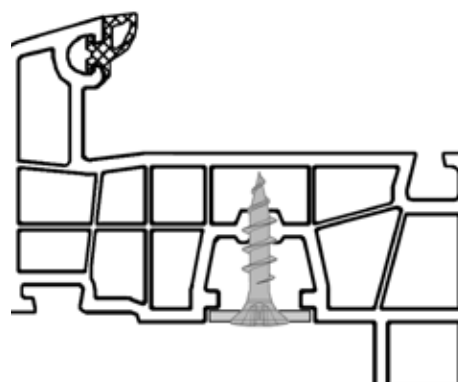
Permanent, easy opening and closing of the window is ensured

Under-head serrations for increased safety against stripping

Case-hardened steel

Technical Data

Head diameter	7.1 mm
Drive	Cross recess PH 2
Thread type	single-start screw thread



EJOT® window screw type DSK

Ø [mm]	Length [mm]	PU	Order description	Article number
EJOSEAL				
4.2	25	1,000	Window screw DSK 4.2 x 25	2 228 425 607
4.2	30	1,000	Window screw DSK 4.2 x 30	2 228 430 607
4.2	35	1,000	Window screw DSK 4.2 x 35	2 228 435 607
4.2	40	1,000	Window screw DSK 4.2 x 40	2 228 440 607
4.2	45	1,000	Window screw DSK 4.2 x 45	2 228 445 607
Order information: head finish in RAL colours on request				

Application range

Manual assembly of tilt and turn fittings with low rotation speed
Fixing locking plates, strips and bearings in steel reinforcement with pre-drilling

Properties

With double cutting edge and symmetrically arranged cutting surfaces
Excellent alignment for precise and no run-out fastening in PVC
Roller sorted quality for automated fastening
Case-hardened steel

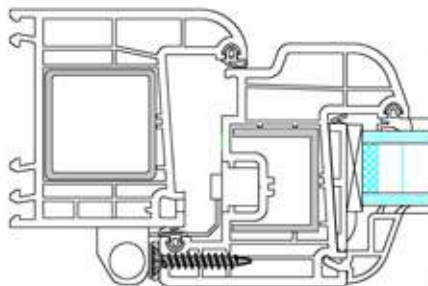
Processing information

Manual installation with rotation speed of 800 to 1500 rpm (see chart)

Technical Data

Head diameter	7.3 mm
Drive	Cross recess PH 2
Thread type	double-start thread

Sheet thickness	Pre-drill Ø
1.5 mm	3.0 mm
2.0 mm	3.2 mm
2.5 mm	3.5 mm



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EJOT® self-drilling screw FD42

Ø [mm]	Length [mm]	PU	Order description	Article number
EJOSEAL				
3.9	16	1,000	Self-drilling screw FD42 3.9x16	7 260 822 607
3.9	19	1,000	Self-drilling screw FD42 3.9x19	7 260 823 607
3.9	22	1,000	Self-drilling screw FD42 3.9x22	7 260 824 607
3.9	25	1,000	Self-drilling screw FD42 3.9x25	7 260 825 607
3.9	30	1,000	Self-drilling screw FD42 3.9x30	7 282 823 607
3.9	32	1,000	Self-drilling screw FD42 3.9x32	7 260 826 607
3.9	38	1,000	Self-drilling screw FD42 3.9x38	7 260 827 607
3.9	45	1,000	Self-drilling screw FD42 3.9x45	7 260 828 607
Order information: T15 recess upon request.				

Application range

For fixing metal core and fittings to thick-walled and multi-ply PVC profiles and steel or aluminium reinforcements up to 4 mm thick.

Properties

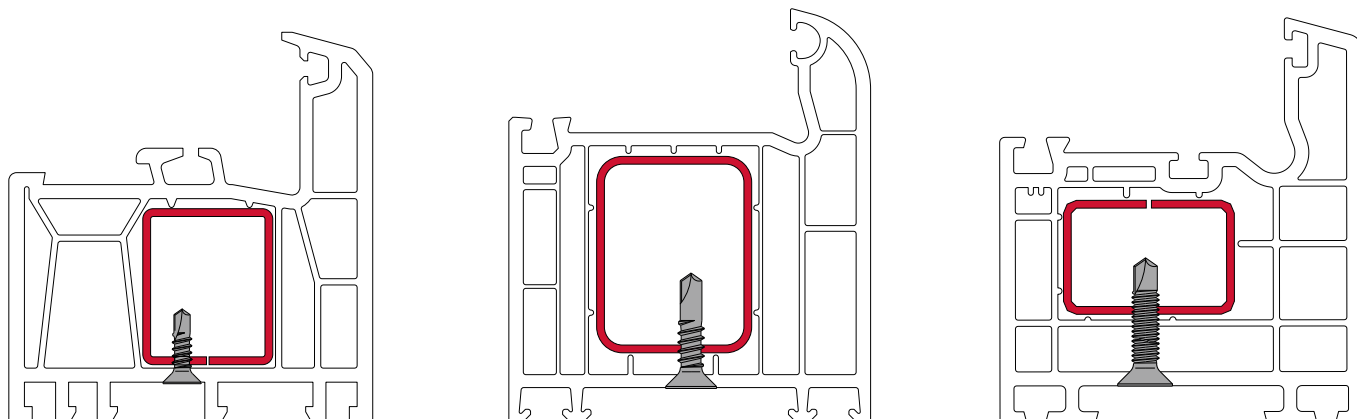
- Drilling capacity up to 4.0 mm
- One type of screw for up to three applications
- Reduction of application errors
- Reliable fastening process
- Roller sorted quality for automated fastening
- Case-hardened steel

Processing information

Fasten with a rotation speed of 1,500 to 2,000 rpm

Application examples of the FD 42

Until now three different screw types were needed for this application.



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EJOT® self-drilling screw type FD2

Ø [mm]	Length [mm]	PU	Order description	Article number
EJOSEAL				
3.9	13	1,000	Self-drilling screw FD2 3.9x13	7 260 621 607
3.9	16	1,000	Self-drilling screw FD2 3.9x16	7 260 622 607
3.9	19	1,000	Self-drilling screw FD2 3.9x19	7 260 623 607
3.9	22	1,000	Self-drilling screw FD2 3.9x22	7 260 624 607
3.9	25	1,000	Self-drilling screw FD2 3.9x25	7 260 625 607
3.9	28	1,000	Self-drilling screw FD2 3.9x28	7 282 670 607
3.9	32	1,000	Self-drilling screw FD2 3.9x32	7 260 626 607
3.9	38	1,000	Self-drilling screw FD2 3.9x38	7 260 627 607
3.9	45	1,000	Self-drilling screw FD2 3.9x45	7 260 628 607
Zinc plated, blue passivated				
3.9	13	1,000	Self-drilling screw FD2 3.9x13	7 260 621 601
3.9	16	1,000	Self-drilling screw FD2 3.9x16	7 260 622 601
3.9	19	1,000	Self-drilling screw FD2 3.9x19	7 260 623 601
3.9	25	1,000	Self-drilling screw FD2 3.9x25	7 260 625 601
3.9	32	1,000	Self-drilling screw FD2 3.9x32	7 260 626 601
Order information: head finish in RAL colours on request T15 recess upon request				

Application range

For fixing reinforced steel up to 3.0 mm in
PVC windows with tight fitting reinforcement
Mounting of fittings

Technical Data

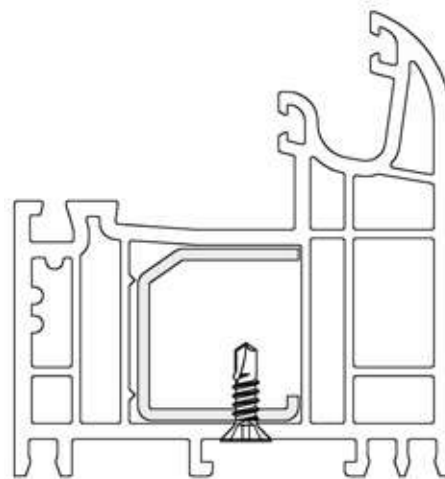
Head diameter	7.5 mm
Drive	Cross recess PH 2
Thread type	ST thread

Properties

Burglary-resistant (RC2)
Roller sorted quality for automated fastening
Case-hardened steel

Processing information

Fasten with a rotation speed of
approximately 1,500 to 2,000 rpm



Window Production Plastic

Self-drilling screws for fastening armouring

EJOT®

EJOT® self-drilling screw FD2R

with under-head ribs

Ø [mm]	Length [mm]	PU	Order description	Article number
EJOSEAL				
3.9	16	1,000	Self-drilling screw FD2R 3.9x16	7 282 603 607
3.9	19	1,000	Self-drilling screw FD2R 3.9x19	7 282 605 607
3.9	25	1,000	Self-drilling screw FD2R 3.9x25	7 282 604 607
3.9	32	1,000	Self-drilling screw FD2R 3.9x32	7 282 606 607
Zinc plated, blue passivated				
3.9	13	1,000	Self-drilling screw FD2R 3.9x13	7 282 616 601
3.9	16	1,000	Self-drilling screw FD2R 3.9x16	7 282 603 601
Order information: head finish in RAL colours on request T15 recess upon request				

Application range

For fixing reinforced steel up to 3.0 mm in
PVC windows with tight fitting reinforcement
Mounting of fittings

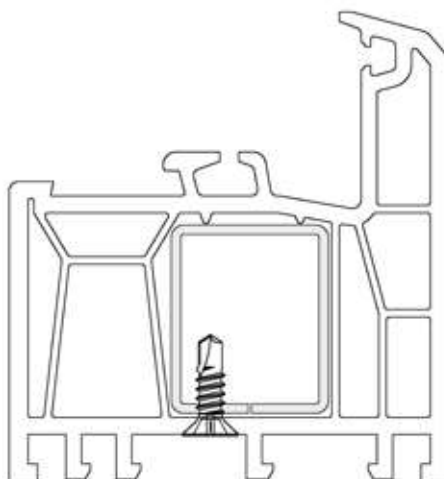
Properties

Burglary-resistant (RC2)
Roller sorted quality for automated fastening
Under-head ribs for easy countersinking of
the screw head in PVC
Case-hardened steel

Processing information

Fasten with a rotation speed of
approximately 1,500 to 2,000 rpm

Technical Data	
Head diameter	7.5 mm
Drive	Cross recess PH 2
Thread type	ST thread



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EJOT® self-drilling screw type FD21

with long drill point

Ø [mm]	Length [mm]	PU	Order description	Article number
EJOSEAL				
3.9	16	1,000	Self-drilling screw FD21 3.9x16	7 282 610 607
3.9	19	1,000	Self-drilling screw FD21 3.9x19	7 282 608 607
3.9	22	1,000	Self-drilling screw FD21 3.9x22	7 282 609 607
3.9	25	1,000	Self-drilling screw FD21 3.9x25	7 282 601 607
3.9	32	1,000	Self-drilling screw FD21 3.9x32	7 282 613 607
3.9	38	1,000	Self-drilling screw FD21 3.9x38	7 282 614 607
Zinc plated, blue passivated				
3.9	16	1,000	Self-drilling screw FD21 3.9x16	7 282 610 601
3.9	19	1,000	Self-drilling screw FD21 3.9x19	7 282 608 601
3.9	25	1,000	Self-drilling screw FD21 3.9x25	7 282 601 601
3.9	32	1,000	Self-drilling screw FD21 3.9x32	7 282 613 601
Order information: head finish in RAL colours on request T15 recess upon request				

Application range

Fixing reinforced steel up to 3.0 mm in PVC
windows with inserted spacer bars
Mounting of fittings

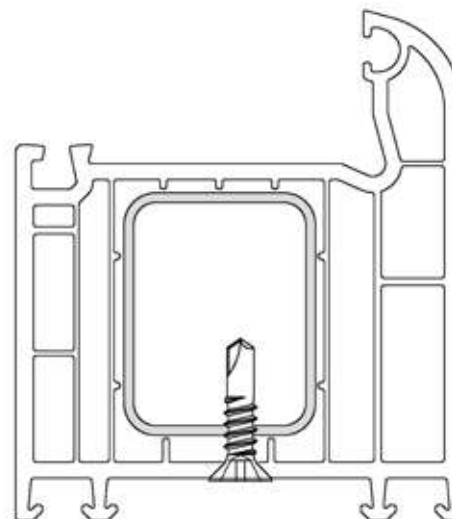
Technical Data	
Head diameter	7.5 mm
Drive	Cross recess PH 2
Thread type	ST thread

Properties

Roller sorted quality for automated fastening
Case-hardened steel

Processing information

Fasten with a rotation speed of
approximately 1,500 to 2,000 rpm



EJOT® self-drilling screw FD21R

with under-head ribs and long drill point

Ø [mm]	Length [mm]	PU	Order description	Article number
EJOSEAL				
3.9	16	1,000	Self-drilling screw FD21R 3.9x16	7 282 620 607
3.9	19	1,000	Self-drilling screw FD21R 3.9x19	7 282 621 607
Order information: head finish in RAL colours on request T15 recess upon request				

Application range

Fixing reinforced steel up to 3.0 mm in PVC
windows with inserted spacer bars
Mounting of fittings

Technical Data

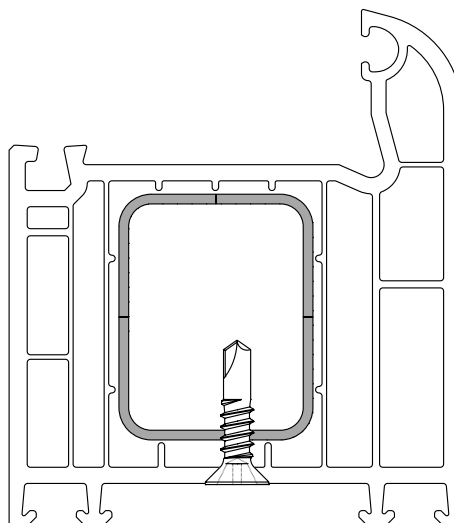
Head diameter	7.5 mm
Drive	Cross recess PH 2
Thread type	ST thread

Properties

Roller sorted quality for automated fastening
Under-head ribs for easy countersinking of
the screw head in PVC
Case-hardened steel

Processing information

Fasten with a rotation speed of
approximately 1,500 to 2,000 rpm



PH 2



Cross reference

Bit cross-recess..... 72
Hammer drill SDS plus® 73





Cross reference	page
Bit cross-recess.....	72
Hammer drill SDS plus®	73

EJOT® self-drilling screw type FD1

Ø [mm]	Length [mm]	PU	Order description	Article number
EJOSEAL				
3.9	13	1,000	Self-drilling screw FD1 3.9x13	7 260 521 607
Zinc plated, blue passivated				
3.9	9.5	1,000	Self-drilling screw FD1 3.9x9.5	7 260 520 601
3.9	13	1,000	Self-drilling screw FD1 3.9x13	7 260 521 601
3.9	16	1,000	Self-drilling screw FD1 3.9x16	7 260 522 601
3.9	19	1,000	Self-drilling screw FD1 3.9x19	7 260 523 621
3.9	25	1,000	Self-drilling screw FD1 3.9x25	7 260 525 621
3.9	32	1,000	Self-drilling screw FD1 3.9x32	7 260 526 601
Order information: head finish in RAL colours on request				
T15 recess upon request				

Application range

For fixing reinforced steel up to 3.0 mm in
PVC windows with tight fitting reinforcement

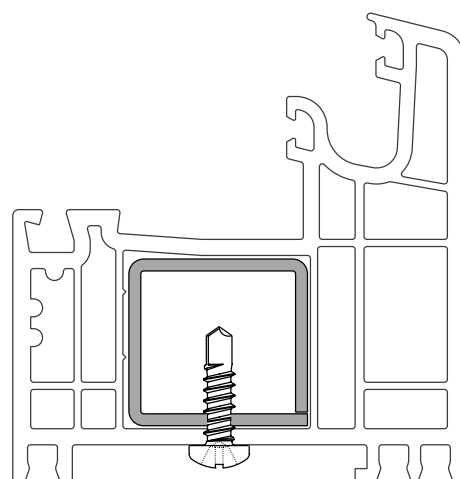
Properties

Roller sorted quality for automated fastening
Case-hardened steel

Processing information

Fasten with a rotation speed of
approximately 1,500 to 2,000 rpm

Technical Data	
Head diameter	7.5 mm
Drive	Cross recess PH 2
Thread type	ST thread



EJOT® self-drilling screw FD11

with long drill point

Ø [mm]	Length [mm]	PU	Order description	Article number
EJOSEAL				
3.9	19	1,000	Self-drilling screw FD11 3.9x19	7 281 511 607
Zinc plated, blue passivated				
3.9	16	1,000	Self-drilling screw FD11 3.9x16	7 281 513 601
Order information: head finish in RAL colours on request T15 recess upon request				

Application range

Fixing reinforced steel up to 3.0 mm in PVC windows also with inserted spacer bars

Properties

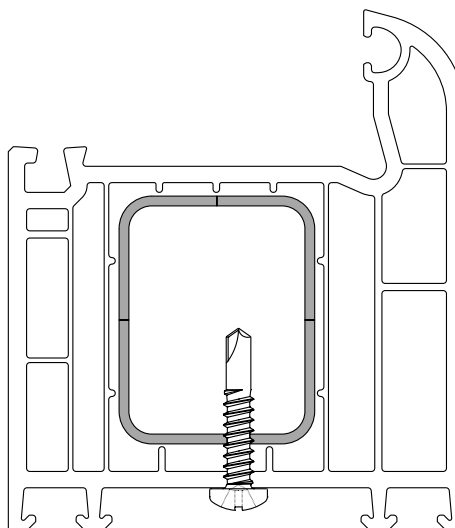
With long drill point for a broad application range
Roller sorted quality for automated fastening
Case-hardened steel

Processing information

Fasten with a rotation speed of approximately 1,500 to 2,000 rpm

Technical Data

Head diameter	7.5 mm
Drive	Cross recess PH 2
Thread type	ST thread



PH 2



Cross reference

Bit cross-recess..... 72
Hammer drill SDS plus® 73



EJOT® self-drilling screw type FDM2F

with under-head facets

Ø [mm]	Length [mm]	PU	Order description	Article number
Zinc plated, blue passivated				
M4	16	1,000	Self-drilling screw FDM2F M4x16	7 286 606 601
M4	19	1,000	Self-drilling screw FDM2F M4x19	7 286 611 601
Order information: head finish in RAL colours on request T15 recess upon request				

Application range

Fixing 1.5 - 3.5 mm reinforced steel in reinforced or multi-ply PVC windows
Mounting of fittings

Technical Data

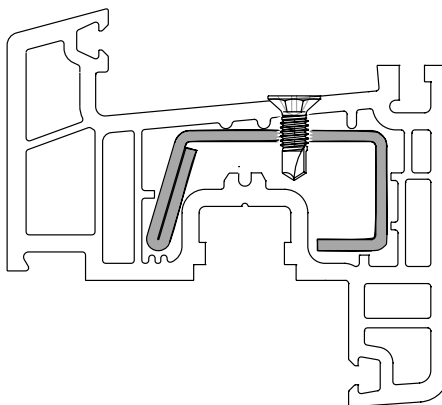
Head diameter	7.5 mm
Drive	Cross recess PH 2
Thread type	metric

Properties

The fine thread pitch of the metric thread prevents a forced feed in thick-walled PVC or in window profiles with multiple cavities
Roller sorted quality for automated fastening
Under-head facets for easy countersinking of the head in PVC
Case-hardened steel

Processing information

Fasten with a rotation speed of approximately 1,500 to 2,000 rpm



Cross reference	page
Bit cross-recess.....	72
Hammer drill SDS plus®	73



PH 2

Cross reference	page
Bit cross-recess.....	72
Hammer drill SDS plus®	73

EJOT® self-drilling screw type FDM1

Ø [mm]	Length [mm]	PU	Order description	Article number
EJOSEAL				
M4	16	1,000	Self-drilling screw FDM1 M4x16	7 285 502 607
M4	19	1,000	Self-drilling screw FDM1 M4x19	7 285 503 607
Zinc plated, blue passivated				
M4	13	1,000	Self-drilling screw FDM1 M4x13	7 285 510 601
Order information: head finish in RAL colours on request				
T15 recess upon request				

Application range

Fixing 1.5 - 3.5 mm reinforced steel in reinforced or multi-ply PVC windows

Properties

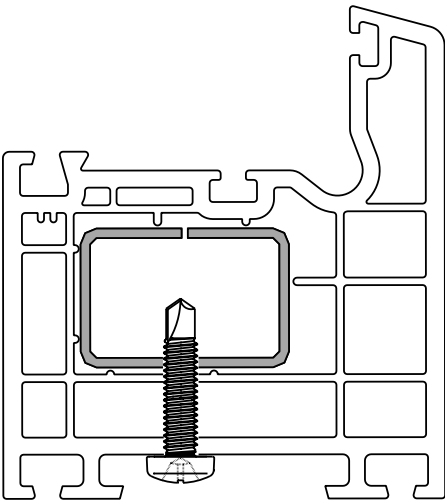
The fine thread pitch of the metric thread prevents a forced feed in thick-walled PVC or in window profiles with multiple cavities
Roller sorted quality for automated fastening
Case-hardened steel

Processing information

Fasten with a rotation speed of approximately 1,500 to 2,000 rpm

Technical Data

Head diameter	8.0 mm
Drive	Cross recess PH 2
Thread type	metric



Window Production Plastic

Self-drilling screws for fastening armoring

EJOT®

EJOT® special self-drilling screws

with M4 thread

Length [mm]	head Ø [mm]	Material thickness [mm]	Clamping length [mm]	Drive	PU	Order description	Article number
EJOSEAL							
16	5.9	1.5	11.0	PH 2	1,000	FDM2 M4x16 head Ø 5.9 mm*	7 286 079 607
19	5.9	3.5	12.0	T15	1,000	FDM2 M4x19 head Ø 5.9 mm ²⁾	7 286 080 607
32	7.5	4.0	24.0	PH 2	1,000	FDM2-L M4x32 ¹⁾	7 286 072 607
38	7.5	4.0	30.0	PH 2	1,000	FDM2-L M4x38 ¹⁾	7 386 053 607
Zinc plated, blue passivated							
13	5.9	1.5	8.0	PZ 2	1,000	FDM2 M4x13-Z	7 286 016 601
15	6.3	3.5	8.0	PZ 2	1,000	FDM2 M4x15-Z	7 286 636 601
16	7.5	3.5	10.0	T15	1,000	FDM2 M4x16-T15*	7 286 062 601
25	7.5	6.0	9.0	PH2	5,000	FDM2F-S M4x25	7 282 135 601
38	6.3	3.5	31.0	PZ 2	1,000	FDM2 M4x38-Z	7 286 060 601
Other designs on request. I * Delivery time on request							
Special features: ¹⁾ long drill point ²⁾ slight lens							

Application range

Fastening 1.5 to 6.0 material thickness

Properties

- Countersunk head
- Case-hardened steel

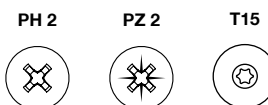
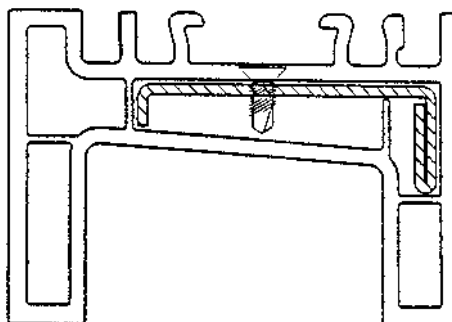
Note

You could not find "your" screw?



Technical Data

Thread type	metric
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Cross reference

	page
Bit cross-recess.....	72
Bit TORX®.....	72
Hammer drill SDS plus®.....	73



T30



Cross reference	page
Bit TORX®.....	72
Hammer drill SDS plus®.....	73

EJOT® transom screw

Ø [mm]	Length [mm]	PU	Order description	Article number
Zinc plated, blue passivated				
5.0	80/40	100	Transom screw 5.0x80/40	2 290 120 601
5.0	100/55	100	Transom screw 5.0x100/55	2 290 121 601
Order information: head finish in RAL colours on request				

Application range

- Transom fastening
- Direct installation into timber and PVC

Technical Data

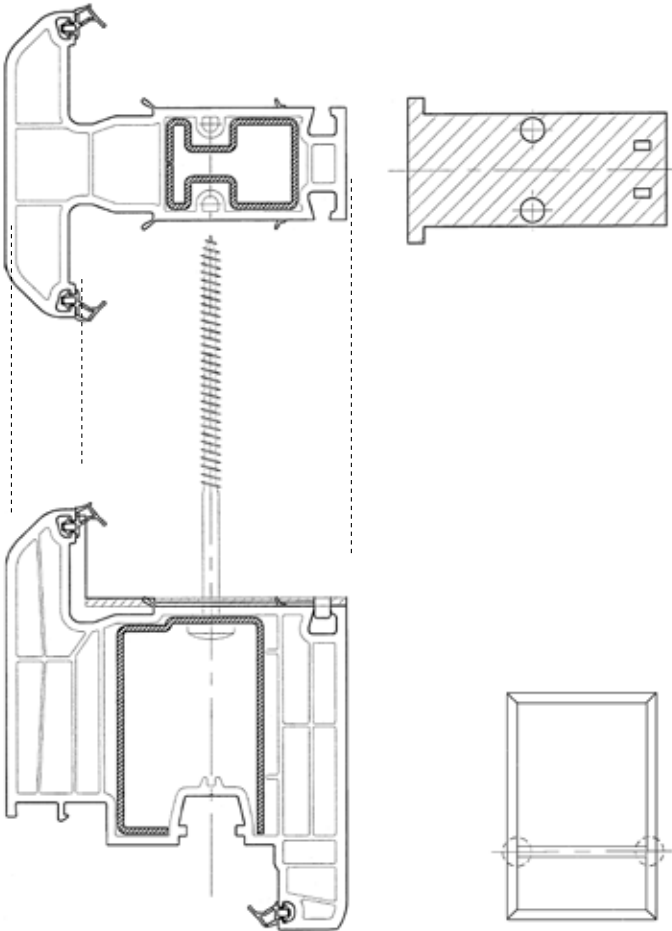
Head diameter	11.5 mm
Drive	T30

Properties

- Partial Thread
- Case-hardened steel

Note

Check pre-drilling, when installing into hard wood



EJOT® Rollo self-drilling screw type RD

Order description	Dimensions [mm]			PU	Profile	Article number
	D	d	Length			
Rollo self-drilling screw RD-1 4x9 yellow	9.5	6.8	9.0	1,000	Salamander	2 289 121 602*
Rollo self-drilling screw RD-2 4x13 red	10.5	7.4	13.0	1,000	Rehau, Inoutic, KBE, Aluplast, Deceuninck, Roplasto	2 289 122 602*
Rollo self-drilling screw RD-3 4x12 white	12.0	8.4	12.0	1,000	Trocal, Stöckel	2 289 123 602*
Rollo self-drilling screw RD-4 4x10 blue	11.0	8.6	10.0	1,000	Kömmerring, Gealan, Roplasto	2 289 124 602*
Rollo self-drilling screw RD-5 4x12 green	11.0	8.4	12.0	1,000	Hocoplast, Aluplast	2 289 125 602
Rollo self-drilling screw RD-6 4x12 yellow	9.5	6.8	12.0	1,000	Veka	2 289 126 602

Order information: Further lengths upon request.

*also available as full-steel version

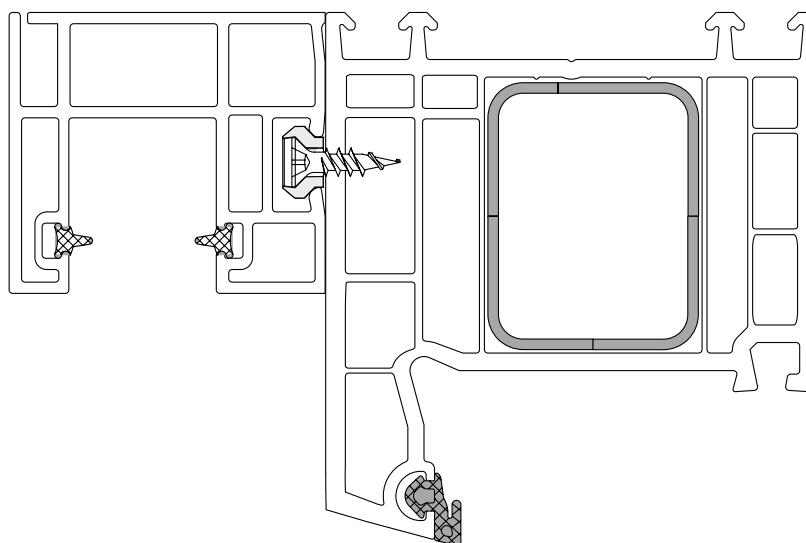
Application range

Clamping of

- roller-shutter profiles
- drip sills

Technical Data

Drive	Cross recess PH 2
Thread type	double-start thread



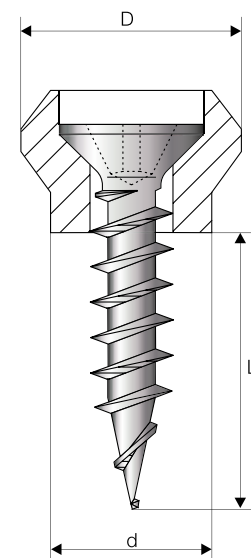
PH 2



Cross reference

page

Bit cross-recess.....	72
Hammer drill SDS plus®	73





PH 2



Cross reference	page
Bit cross-recess.....	72
Hammer drill SDS plus®	73

EJOT® metric screw

with dog point

Ø [mm]	Length [mm]	PU	Order description	Article number
Zinc plated, blue passivated				
M5	40	500	Metric screw M5x40	2 237 540 401
M5	45	500	Metric screw M5x45	2 237 545 401
M5	48	250	Metric screw M5x48	2 237 548 401
M5	50	500	Metric screw M5x50	2 237 550 401
Order information: Further lengths and platings on request				

Application range

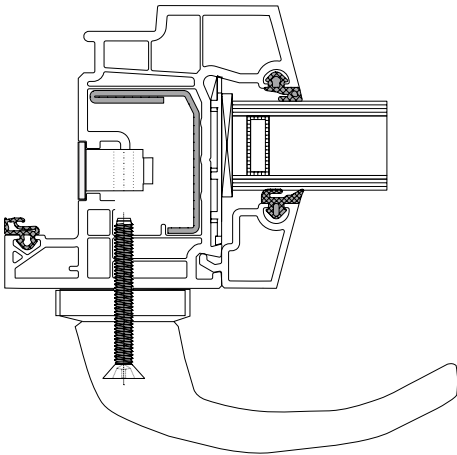
Fastening window handles

Properties

- With dog point
- Quality grade 4.8

Technical Data

Head diameter	9.0 mm
Drive	Cross recess PH 2
Thread type	metric







Window Production Aluminium

Self-tapping fitting screws made of stainless steel

EJOT PT® screw type DG 55-C

pan head with point / WN1542

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Order description	Article number
5.5	42	35	500	DG 55x42-C	2 590 228 320
Further lengths on request On request also with sealing washer					

Application range

Clamped joint in a U-shaped profile

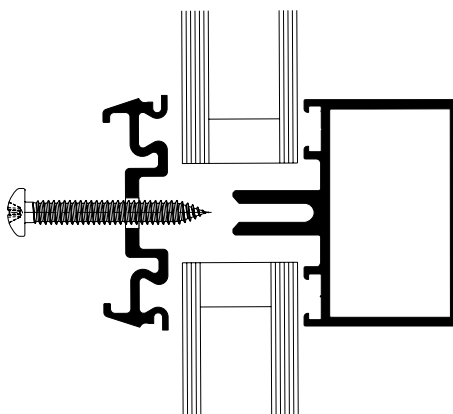
Properties

A2 stainless steel

For thread geometries optimised for aluminium for high pull-out strength

Technical data

Head diameter	11 mm
Thread type	DG 55
Drive	Cross recess PH 2



EJOT®



PH 2



Cross reference

page

Bit cross-recess..... 72
Hammer drill SDS plus®..... 73



Window Production
Plastics

Window Production
Timber

Window Production
Aluminium

Window Installation
Coupling / False Edge

Window Installation
Masonry / Concrete

Window Installation
Timber

Window Installation
Attachments

Special Screws

Accessories / Tools





Cross reference	page
Bit cross-recess.....	72
Hammer drill SDS plus®.....	73

EJOT PT® self-drilling screw type DG 40

countersunk head with drill point / WN1543

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Order description	Article number
4.0	16	10	1,000	Self-drilling screw DG 40x16	7 382 137 300
4.0	25	19	1,000	Self-drilling screw DG 40x25	7 382 138 300

Application range

Fastening metal fittings to aluminium

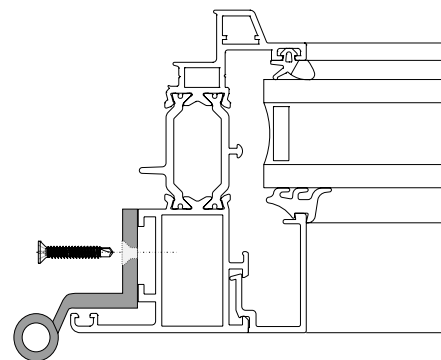
Properties

A2 stainless steel

For thread geometries optimised for aluminium for high pull-out strength

Technical data

Drilling capacity	Max. 2.5 mm
Head diameter	7.5 mm
Drive	Cross recess PH 2
Thread type	DG 40



Cross reference	page
Bit TORX®.....	72
Hammer drill SDS plus®.....	73

EJOT PT® self-drilling screw type DG 50

pan head with drill point

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Order description	Article number
5.0	16	8	1,000	Self-drilling screw DG 50x16	7 381 108 300

Application range

Direct fastening of T-bars to aluminium post and rail designs

Fastening of additional profiles, e.g. connecting profiles, expansion joints etc.

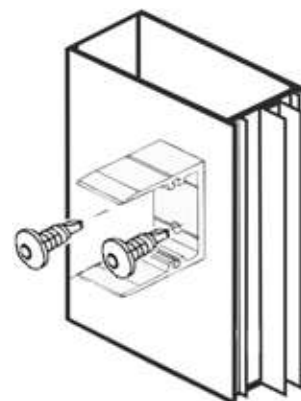
Properties

A2 stainless steel

For thread geometries optimised for aluminium for high pull-out strength

Technical data

Drilling capacity	up to 2.5 mm
Head diameter	10 mm
Thread type	DG 50
Drive	T25



EJOT® stainless steel screw type FDS®

Ø [mm]	Length [mm]	Ø Head [mm]	Head style	Drive	PU	Order description	Article number
M4	20	8.2	Countersunk head	PH 2	1,000	FDS M4x20	7 655 004 321
M4	20	9.2	Countersunk head	PH 2	100	FDS M4x20-S	7 555 014 320
M5	20	9.2	Countersunk head	PH 2	1,000	FDS M5x20	7 665 006 321
M5	20	9.3	Countersunk head	T25	1,000	FDS M5x20	7 635 006 321
M5	20	11.0	Pan head w.	PH 3	100	FDS M5x20-S	7 545 011 320
M5	25	9.2	Countersunk head	PZ 2	1,000	FDS M5x25	7 698 003 320
M5	30	9.2	Countersunk head	T25	100	FDS M5x30	7 638 007 320

Order information: Further lengths and types on request

Application range

Fastening to thin-walled sheet metal
High strength sheet metal joints e.g.
carriages of lift and slide doors closing parts
of burglar-proof windows

Properties

The flow drilling forms a through draught in
the sheet metal, two or
three turns of thread are formed within
The subsequent shrinkage of the cooling
through draught causes high loosening
torques and good vibration resistance
A high-strength joint is formed
Made of A2 stainless steel
RC3 burglar resistance possible

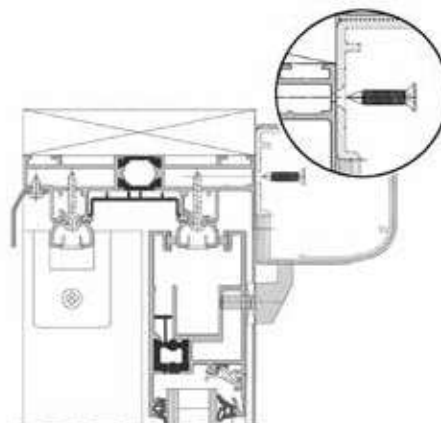
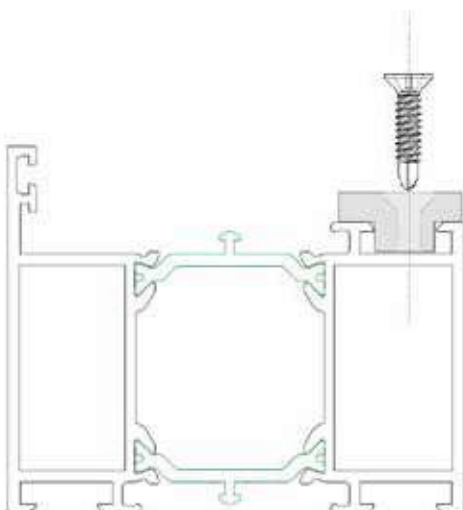
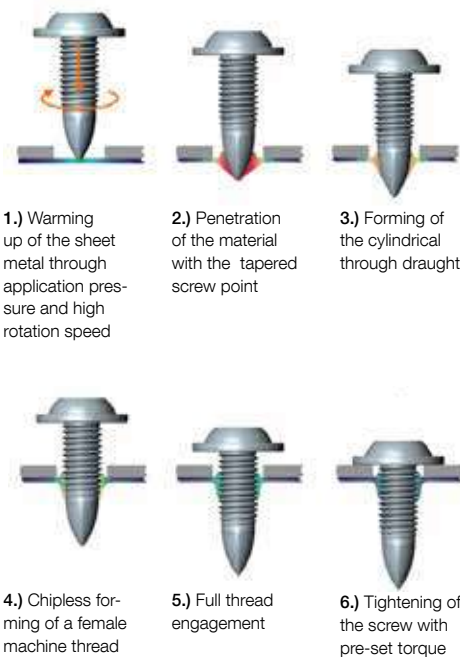
Processing

The maximum possible through draught is
formed without pre-drilling and with fastening
equipment with high rotation speed and high
axial load. A through draught of approximately
double material thickness is formed when install-
ing with reduced pre-drill diameter.

Technical data

Thread type	metric
-------------	--------

Stages of the FDS installation





Proven and tested products
for window installers



Fastening Technology for Window Installation

Burglar-resistance and fall protection: In the past 20 years, millions of windows and doors were installed reliably and damage-free with the EJOT frame anchor. Robust and straightforward processing are the reasons it is the Number 1 choice for window installers - pre-drilling, tightening, done! For difficult installation situations EJOT recommends facade anchors with European Technical Approval (ETA), tested and approved in many versions and substrates.



Window Installation Coupling and False Edge

Coupling Screws

EJOT®

EJOT® coupling screw type VHT-R

with bugle head

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

Application area

For profile coupling of window hinges,
window-balcony-door combinations etc.
made of plastic and wood-based material
Also suitable for false edges

Properties

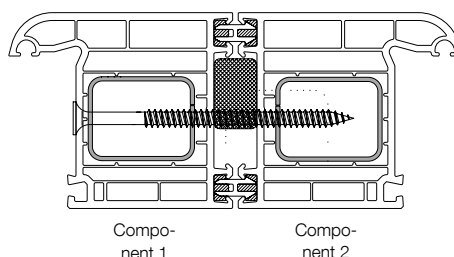
Case-hardened steel
Climadur coated – high-quality coating
to improve corrosion protection
(15 Kesternich cycles, DIN 50018, 1997)

Installation process

Pre-drill component 1 with 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
VHT-R

Technical Data

Head diameter	9.0 mm
Drive	Cross recess PH 2
Thread type	Special thread



PH 2



Cross reference

page

Bit cross-recess..... 72
Hammer drill SDS plus® 73



Window Production
Plastics

Window Production
Timber

Window Production
Aluminium

Window Installation
Coupling / False Edge

Window Installation
Masonry / Concrete

Window Installation
Timber

Window Installation
Attachments

Special Screws

Accessories / Tools





PH 2



Cross reference	page
Bit cross-recess.....	72
Hammer drill SDS plus®	73

EJOT® coupling self-drilling screw type TKR-2

with bugle head

Ø [mm]	Length [mm]	PU	Order description	Article number
4.8	35	500	Coupling screw TKR-2 4.8x35	3 496 700 629
4.8	50	500	Coupling screw TKR-2 4.8x50*	3 496 800 629
4.8	60	500	Coupling screw TKR-2 4.8x60*	3 496 900 629
4.8	70	500	Coupling screw TKR-2 4.8x70*	3 497 000 629
4.8	80	500	Coupling screw TKR-2 4.8x80*	3 497 100 629
4.8	90	250	Coupling screw TKR-2 4.8x90*	3 497 200 629
4.8	100	250	Coupling screw TKR-2 4.8x100*	3 497 300 629
4.8	110	250	Coupling screw TKR-2 4.8x110	3 497 400 629
4.8	120	250	Coupling screw TKR-2 4.8x120*	3 497 500 629
4.8	140	200	Coupling screw TKR-2 4.8x140*	3 497 700 629
4.8	160	200	Coupling screw TKR-2 4.8x160*	3 497 900 629
4.8	180	200	Coupling screw TKR-2 4.8x180*	3 498 100 629
4.8	200	200	Coupling screw TKR-2 4.8x200*	3 498 300 629
4.8	220	200	Coupling screw TKR-2 4.8x220	3 498 400 629
4.8	240	200	Coupling screw TKR-2 4.8x240	3 498 600 629
4.8	260	200	Coupling screw TKR-2 4.8x260	3 498 800 629
4.8	280	100	Coupling screw TKR-2 4.8x280	3 498 900 629
4.8	300	200	Coupling screw TKR-2 4.8x300	3 499 000 629

*stainless steel upon request

Application area

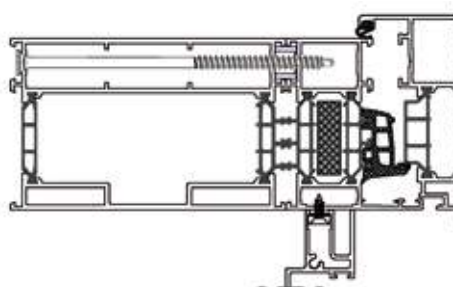
For profile coupling of window hinges,
window-balcony-door combinations etc.
made of plastic and wood-based material
Also suitable for false edges

Technical Data

Head diameter	9.0 mm
Drive	Cross recess PH 2
Thread type	Special thread

Properties

Comfortable working, because the frame to
be coupled is drilled beforehand
The drill point ensures optimal drilling per
formance in reinforcing steel up to 1.5 mm
Case-hardened steel
Climadur coated – high-quality coating to
improve corrosion protection (15 Kesternich
cycles, DIN 50018, 1997)

**Installation process**

Pre-drill outer frame to be coupled with
max. 6.0 mm
Position on the already mounted element
and align
Then fasten with EJOT coupling self-drilling
screw type TKR-2

Recommendation

For drilling performance up to 3 mm
steel we recommend our
EJOT® coupling screw TKR 3

Ø [mm]	head Ø [mm]	Length [mm]	PU	Order description	Article number
4.8	9.5	70	500	Coupling screw TKR-3 4.8x70	3 437 000 639
4.8	9.5	90	500	Coupling screw TKR-3 4.8x90	3 437 200 639
4.8	9.5	110	250	Coupling screw TKR-3 4.8x110	3 437 400 639



**Inspection document**

No. 2614091-02 EPH Dresden

Cross reference **page**

Bit TORX®.....72

Hammer drill SDS plus®.....73

Push-on cap.....76/77

EJOT® frame anchor type RA-P

Ø [mm]	Length [mm]	PU	Order description	Article number
Zinc plated, blue passivated				
7.5	40	1,200	Frame anchor RA-P 7.5x40	2 231 040 601
7.5	60	1,200	Frame anchor RA-P 7.5x60	2 231 060 601
7.5	70	1,200	Frame anchor RA-P 7.5x70	2 231 070 601
7.5	80	1,200	Frame anchor RA-P 7.5x80	2 231 080 601
7.5	90	1,200	Frame anchor RA-P 7.5x90	2 231 090 601
7.5	100	600	Frame anchor RA-P 7.5x100	2 231 100 601
7.5	120	600	Frame anchor RA-P 7.5x120	2 231 120 601
7.5	135	400	Frame anchor RA-P 7.5x135	2 231 135 601
7.5	150	400	Frame anchor RA-P 7.5x150	2 231 150 601
7.5	180	400	Frame anchor RA-P 7.5x180	2 231 180 601
7.5	210	400	Frame anchor RA-P 7.5x210	2 231 210 601
7.5	250	50	Frame anchor RA-P 7.5x250	2 231 250 601
7.5	300	50	Frame anchor RA-P 7.5x300	2 231 300 601

Application range

Direct fastening of plastic windows in masonry and concrete, without any plugs

Efficient spaced fixing of windows and doors

Installation according to the RAL quality association guidelines for windows and doors

Properties

Burglary resistant (RC2), tested on steel-free plastic windows

Tested as fastening element acc. to the ETB guidelines "Building components which protect against falling from heights"

Reduced forming moulding and exact fit due to perfect thread geometry

Fast installation, reliable anchoring including white RAL 9010 push-on caps

Case-hardened steel

Installation process

Drill Ø 6.2 mm frame holes, in-plant or on site, spacing acc. to RAL quality assessment

Align frame thoroughly in masonry opening

Drill Ø 6 mm holes into stone, drill hole depth = installation depth + 10 mm

Fix with EJOT frame anchor by using common tools

Push-on cap if necessary

Edge distance

With regards to edge distances, the manufacturer's instructions must be observed. Without instructions a minimum of 50 mm edge distance should be observed when using frame anchors.

Technical Data

Head diameter	11 mm
Drive	T30

Minimum installation depth

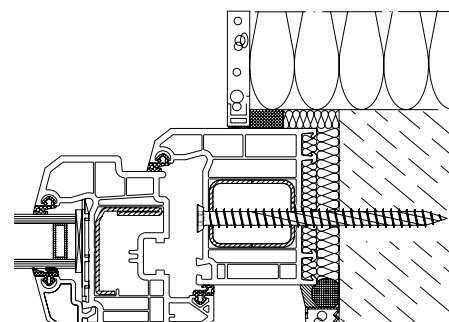
Concrete	30 mm
Sand-lime brick, Solid brick	40 mm
Vertically perforated brick, lightweight concrete, pumice, aerated concrete	60 mm
Soft wood	60 mm
Hard wood	40 mm

Building materials**Pre-drilling Ø / drilling method**

Concrete ≥ C12/15, solid lime sand brick, solid brick	6 mm Hammer drilling
Perforated lime sand brick, hollow block, timber	6 mm Rotary drilling
Vertically perforated brick ≥ Plan T12	5 mm Rotary drilling
Aerated concrete ≥ PP4	omitted

Note

Please note the special assembly instructions when installing burglar-proof or anti-fall devices!



EJOT® frame anchor type SA-H

Ø [mm]	Length [mm]	PU	Order description	Article number
Zinc plated, blue passivated				
7.5	60	1,200	Frame anchor SA-U 7.5x60	2 249 060 601
7.5	80	1,200	Frame anchor SA-H 7.5x80	2 249 080 601
7.5	100	600	Frame anchor SA-H 7.5x100	2 249 100 601
7.5	120	600	Frame anchor SA-H 7.5x120	2 249 120 601
7.5	135	400	Frame anchor SA-H 7.5x135	2 249 135 601
7.5	150	400	Frame anchor SA-H 7.5x150	2 249 150 601
7.5	180	400	Frame anchor SA-H 7.5x180	2 249 180 601

Application range

Direct fastening of wooden or aluminum-wood windows in masonry and concrete, without any plugs
Efficient spaced fixing of windows and doors
Installation according to the RAL quality association guidelines for windows and doors

Properties

Burglary-resistant (RC2)
Reduced forming moulding and exact fit due to perfect thread geometry
Fast installation, reliable anchoring
Slim head pulls into the wooden outer frame flush with the surface
Case-hardened steel

Installation process

Drill Ø 6.2 mm frame holes, in-plant or on site, spacing acc. to RAL quality assessment
Align frame thoroughly in masonry opening
Drill Ø 6 mm holes into stone, drill hole depth = installation depth + 10 mm
Fix with EJOT frame anchor by using common tools

Note

Please note the special assembly instructions when installing burglar-proof or anti-fall devices!

Technical Data

Head diameter	7.5 mm
Drive	T25

Minimum installation depth

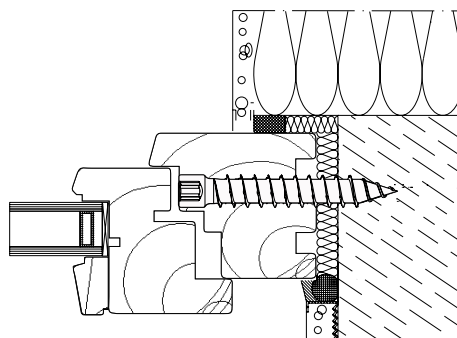
Concrete	30 mm
Sand-lime brick, Solid brick	40 mm
Vertically perforated brick, lightweight concrete, pumice, aerated concrete	60 mm
Soft wood	60 mm
Hard wood	40 mm

Building materials

Building materials	Pre-drilling Ø / drilling method
Concrete ≥ C12/15, solid lime sand brick, solid brick	6 mm Hammer drilling
Perforated lime sand brick, hollow block, timber	6 mm Rotary drilling
Vertically perforated brick ≥ Plan T12	5 mm Rotary drilling
Aerated concrete ≥ PP4	omitted

Edge distance

With regards to edge distances, the manufacturer's instructions must be observed. Without instructions a minimum of 50 mm edge distance should be observed when using frame anchors.



T25



Inspection document

No. 2614091-02 EPH Dresden

Cross reference

page

Bit TORX®	72
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Push-on cap	76



Window Production
Plastics

Window Production
Timber

Window Production
Aluminium

Window Installation
Coupling / False Edge

Window Installation
Masonry / Concrete

Window Installation
Timber

Window Installation
Attachments

Special Screws

Accessories / Tools





Inspection document
No. 2614091-02 EPH Dresden

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EJOT® frame anchor type RA-U

Ø [mm]	Length [mm]	PU	Order description	Article number
Zinc plated, blue passivated				
7.5	40	1,200	Frame anchor RA-U 7.5x40	2 261 040 601
7.5	60	1,200	Frame anchor RA-U 7.5x60	2 261 060 601
7.5	70	1,200	Frame anchor RA-U 7.5x70	2 261 070 601
7.5	80	1,200	Frame anchor RA-U 7.5x80	2 261 080 601
7.5	100	600	Frame anchor RA-U 7.5x100	2 261 100 601
7.5	120	600	Frame anchor RA-U 7.5x120	2 261 120 601
7.5	135	400	Frame anchor RA-U 7.5x135	2 261 135 601
7.5	150	400	Frame anchor RA-U 7.5x150	2 261 150 601
7.5	180	400	Frame anchor RA-U 7.5x180	2 261 180 601
7.5	210	400	Frame anchor RA-U 7.5x210	2 261 210 601

Application range

Direct fastening of plastic and wooden windows in masonry and concrete, without any plugs

Efficient spaced fixing of windows and doors

Installation according to the RAL quality association guidelines for windows and doors

Properties

Burglary resistant (RC2), tested on steel-free plastic windows.

Reduced forming moulding and exact fit due to perfect thread geometry

Fast installation, reliable anchoring

All-purpose for various window materials

Case-hardened steel

Installation process

Drill Ø 6.2 mm frame holes, in-plant or on site, spacing acc. to RAL quality assessment

Align frame thoroughly in masonry opening

Drill Ø 6 mm holes into stone,

drill hole depth = installation depth + 10 mm

Fix with EJOT frame anchor by using common tools

Push-on cap if necessary

Note

Please note the special assembly instructions when installing burglar-proof or anti-fall devices!

Technical Data

Head diameter	8.5 mm
Drive	T30

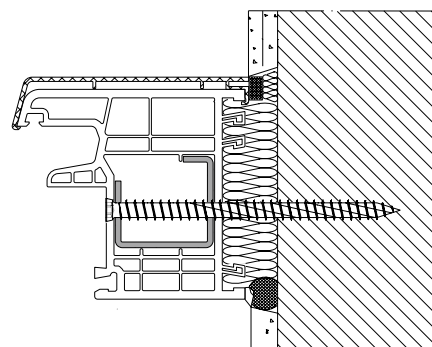
Minimum installation depth

Concrete	30 mm
Sand-lime brick, Solid brick	40 mm
Vertically perforated brick, lightweight concrete, pumice, aerated concrete	60 mm
Soft wood	60 mm
Hard wood	40 mm

Building materials	Pre-drilling Ø / drilling method
Concrete ≥ C12/15, Solid lime sand brick, solid brick	6 mm Hammer drilling
Perforated lime sand brick, Hollow block, timber	6 mm Rotary drilling
Vertically perforated brick ≥ Plan T12	5 mm Rotary drilling
Aerated concrete ≥ PP4	omitted

Edge distance

With regards to edge distances, the manufacturer's instructions must be observed. Without instructions a minimum of 50 mm edge distance should be observed when using frame anchors.



EJOT® frame anchor type RA-Z

Ø [mm]	Length [mm]	PU	Order description	Article number
Zinc plated, blue passivated				
7.5	120	600	Frame anchor RA-Z 7.5x120	2 271 120 601
7.5	150	400	Frame anchor RA-Z 7.5x150	2 271 150 601
7.5	180	400	Frame anchor RA-Z 7.5x180	2 271 180 601
7.5	210	400	Frame anchor RA-Z 7.5x210	2 271 210 601
7.5	250	50	Frame anchor RA-Z 7.5x250	2 271 250 601
7.5	300	50	Frame anchor RA-Z 7.5x300	2 271 300 601

Application range

Direct fastening of plastic and wooden windows in masonry and concrete, without any plugs
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

Sleek and broad supported head (Ø12 mm)
Burglary resistant (RC2), tested on steel-free plastic windows
Tested as fastening element acc. to the ETB guidelines "Building components which protect against falling from heights"
Reduced forming moulding and exact fit due to perfect thread geometry
Fast installation, reliable anchoring
Case-hardened steel

Installation process

Drill Ø 6.2 mm frame holes, in-plant or on site, spacing acc. to RAL quality assessment
Align frame thoroughly in masonry opening
Drill Ø 6 mm holes into stone, drill hole depth = installation depth + 10 mm
Fix with EJOT frame anchor by using common tools

Note

Please note the special assembly instructions when installing burglar-proof or anti-fall devices!

Technical Data

Head diameter	12 mm
Drive	T30

Minimum installation depth

Concrete	30 mm
Sand-lime brick, Solid brick	40 mm
Vertically perforated brick, lightweight concrete, pumice, aerated concrete	60 mm
Soft wood	60 mm
Hard wood	40 mm

Building materials	Pre-drilling Ø / drilling method
Concrete ≥ C12/15, Solid lime sand brick, solid brick	6 mm Hammer drilling
Perforated lime sand brick, Hollow block, timber	6 mm Rotary drilling
Vertically perforated brick ≥ Plan T12	5 mm Rotary drilling
Aerated concrete ≥ PP4	omitted

Edge distance

With regards to edge distances, the manufacturer's instructions must be observed. Without instructions a minimum of 50 mm edge distance should be observed when using frame anchors.



Inspection document

No. 2614091-02 EPH Dresden

Cross reference

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Hammer drill SDS plus®	73





Inspection document
No. 2614091-02 EPH Dresden

Cross reference **page**
Bit TORX® 72
Hammer drill SDS plus® 73

EJOT® frame anchor type MA-D

Ø [mm]	Length [mm]	PU	Order description	Article number
Zinc plated, blue passivated				
7.5	40	100	Frame anchor MA-D 7.5x40	2 247 040 601
7.5	60	100	Frame anchor MA-D 7.5x60	2 247 060 601
7.5	70	100	Frame anchor MA-D 7.5x70	2 247 070 601
7.5	80	100	Frame anchor MA-D 7.5x80	2 247 080 601
7.5	100	100	Frame anchor MA-D 7.5x100	2 247 100 601
7.5	120	100	Frame anchor MA-D 7.5x120	2 247 120 601
7.5	150	100	Frame anchor MA-D 7.5x150	2 247 150 601
7.5	180	100	Frame anchor MA-D 7.5x180	2 247 180 601

Application range

Window installation into thermal insulation
Direct fastening in masonry and concrete,
without any plugs
Efficient spaced fixing of windows and
doors
Installation according to the RAL quality as-
sociation guidelines for windows and doors
With additional adjustment function through
fine thread

Properties

Burglary-resistant (RC2)
Reduced forming moulding and exact fit
due to perfect thread geometry
Fast installation, reliable anchoring
Case-hardened steel

Installation process

Drill Ø 6.2 mm frame holes, in-plant or on
site, spacing acc. to RAL quality assess-
ment
Align frame thoroughly in masonry opening
Drill Ø 6 mm holes into stone, drill hole
depth = installation depth + 10 mm
Fix with EJOT frame anchor by using com-
mon tools
Push-on cap if necessary

Note

Please note the special assembly instructions
when installing burglar-proof devices!

Technical Data

Head diameter	8.5 mm
Drive	T30

Minimum installation depth

Concrete	30 mm
Sand-lime brick, Solid brick	40 mm
Vertically perforated brick, lightweight concrete, pumice, aerated concrete	60 mm
Soft wood	60 mm
Hard wood	40 mm

Building materials	Pre-drilling Ø / drilling method
Concrete ≥ C12/15, Solid lime sand brick, solid brick	6 mm Hammer drilling
Perforated lime sand brick, Hollow block, timber	6 mm Rotary drilling
Vertically perforated brick ≥ Plan T12	5 mm Rotary drilling
Aerated concrete ≥ PP4	omitted

Edge distance

With regards to edge distances, the
manufacturer's instructions must be observed.
Without instructions a minimum of 50 mm edge
distance should be observed when using frame
anchors.

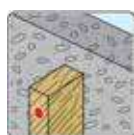


EJOT® facade anchor SDF-S-10V

with countersunk head



T40



Approval
ETA-10/0305

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

Application area

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

Properties

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

Note

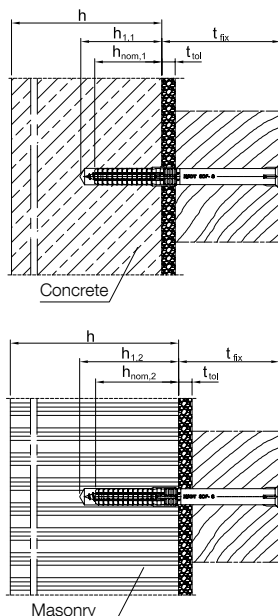
Please note the European Technical Approval
ETA-10/0305 in your planning and in the
processing of the products. Further information
about parameters and loads can be found in
the approval.

Characteristic values

Hole depth in concrete $h_{1,1}$	≥ 50 mm
Effective Embedment depth in concrete $h_{nom,1}$	≥ 40 mm
Hole depth in masonry $h_{1,2}$	≥ 60 mm
Effective Embedment depth in masonry $h_{nom,2}$	≥ 50 mm
Drill hole diameter d_0	10 mm
Hole diameter of component to be fixed d_i	≤ 10.5 mm
Drive	T40

Characteristic loads

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



Window Installation Masonry / Concrete

Facade anchors

EJOT®

EJOT® facade anchor SDF-KB-10V

with hexagon head

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

Application area

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

Properties

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

Note

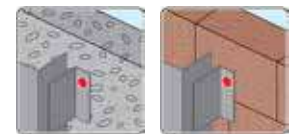
Please note the European Technical Approval ETA-10/0305 in your planning and in the processing of the products. Further information about parameters and loads can be found in the approval.

Characteristic values

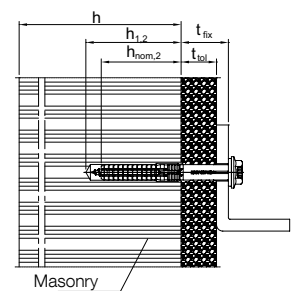
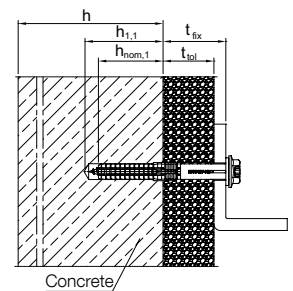
Hole depth in concrete $h_{1,1}$	≥ 50 mm
Effective Embedment depth in concrete $h_{nom,1}$	≥ 40 mm
Hole depth in masonry $h_{1,2}$	≥ 60 mm
Effective Embedment depth in masonry $h_{nom,2}$	≥ 50 mm
Drill hole diameter d_0	10 mm
Hole diameter of component to be fixed d_t	≤ 10.5 mm
Drive	AF13/T40

Characteristic loads

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



Approval
ETA-10/0305



Window Production
Plastics

Window Production
Timber

Window Production
Aluminium

Window Installation
Coupling / False Edge

Window Installation
Masonry / Concrete

Window Installation
Timber

Window Installation
Attachments

Special Screws

Accessories / Tools

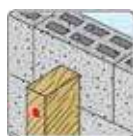
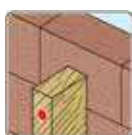
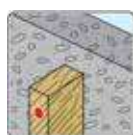


EJOT® facade anchor SDF-S-10H

with countersunk head



T40



Approval
ETA-10/0305

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

Application area

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

Properties

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

Note

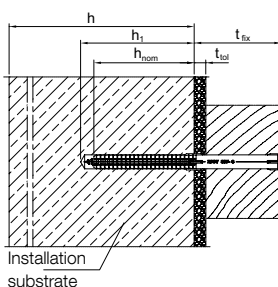
Please note the European Technical Approval
ETA-10/0305 in your planning and in the
processing of the products. Further information
about parameters and loads can be found in
the approval.

Characteristic values

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

Characteristic loads

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



Installation
substrate

EJOT® facade anchor SDF-KB-10H

with hexagon head

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

Application area

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

Properties

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

Note

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

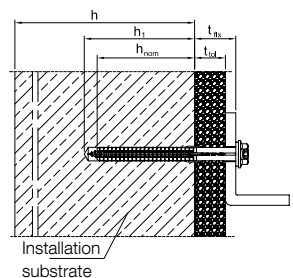
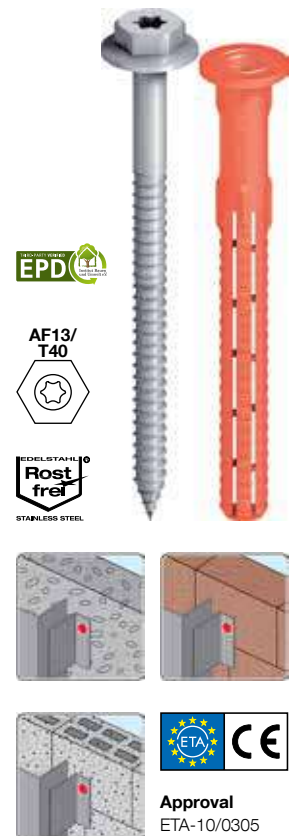
Characteristic values

Hole depth in concrete $h_{1,1}$	≥ 80 mm
Effective embedment depth h_{nom}	≥ 70 mm
Drill hole diameter d_0	10 mm
Hole diameter of component to be fixed d_t	≤ 10.5 mm
Drive	AF13/T40

Characteristic loads

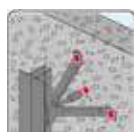
Tensile load $N_{Rk,B}$ in concrete C12/15	
Temperature range 30 °C / 50 °C	4.50 kN
Temperature range 50 °C / 80 °C	4.00 kN
Brick Mz 20-1.8, NF	4.00 kN
Solid lime sand brick KS 36, NF	4.50 kN
Solid lime sand brick KS 20, 8 DF	4.50 kN
Solid lightweight concrete brick V6, 2 DF	2.00 kN
Vertically perforated brick HLz 12-0.9, NF	2.00 kN
Perforated lime sand brick KSL 12, 4 DF	2.50 kN
Cavity block made of lightweight concrete Hbl 10, 12 DF	1.20 kN

Transverse load $V_{Rk,S}$	
Anchor with steel screw	9.35 kN
Anchor with stainless steel screw A4	10.91 kN
Bending moment $M_{Rk,S}$	
Anchor with steel screw	17.67 Nm
Anchor with stainless steel screw A4	20.62 Nm





AF13



Approval
ETA-10/0305

EJOT® facade anchor SDF-KB-10V/M8

with M8 threaded connection

Ø [mm]	Anchor length L [mm]	Thickness of the non-load carrying render layer t_{tol} (concrete) [mm]	Thickness of the non-load carrying render layer t_{tol} (Masonry) [mm]	PU	Order description	Product code
10	60	0-20	0-10	100	SDF-KB-10Vx60/M8x13-E	8 581 060 813

Anchor with stainless steel A4 screw (-E)*

*Anchor with steel screw with zinc-plated Cr(VI)-free coating (-V) upon request.

Accessories

Order description	PU	Article number
Socket AF13-1/4"x50	1	9 250 719 001

Application area

- Suitable for installation of support profiles with steel rods in rainscreen
- Embedment of suspended ceilings
- Fastening of ring bolts

Properties

- Anchor with minimal embedment depth in concrete
- Very short expansion part, for short installation times
- 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

Note

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

Characteristic values

Hole depth in concrete $h_{1,1}$	≥ 70 mm
Effective Embedment depth in concrete $h_{nom,1}$	≥ 40 mm
Hole depth in masonry $h_{1,2}$	≥ 70 mm
Effective Embedment depth in masonry $h_{nom,2}$	≥ 50 mm
Drill hole diameter d_0	10 mm
Drive	AF 13
Length M8 threaded connection	13 mm

Characteristic loads

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

EJOT® facade anchor SDF-KB-10H/M8

with M8 threaded connection

Ø [mm]	Anchor length L [mm]	Thickness of the non-load carrying render layer t _{tol} [mm]	PU	Order description	Article number
Anchor with A4 stainless steel screws (-E)*					
10	80	0-10**	100	SDF-KB-10Hx80/M8x13-E	8 513 080 813
10	100	0-30**	100	SDF-KB-10Hx100/M8x13-E	8 513 100 813
*Anchor with steel screw with zinc-plated Cr(VI)-free coating (-V) upon request.					

Accessories

Order description	PU	Article number
Socket AF13-1/4"x50	1	9 250 719 001

Application area

- Suitable for installation of support profiles with steel rods in rainscreen
- Embedment of suspended ceilings
- Fastening of ring bolts

Properties

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

Note

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

**The load-carrying capacity and the influence of larger embedment depth in hollow or perforated brick ($h_{nom} > 70$ mm) and/or different stones (acc. to ETA-10/0305 with regards to stone size, compression strength and hole pattern) has to be determined with tests on the building.

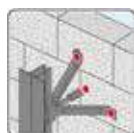
Characteristic values

Drill hole depth	≥ 90 mm
Effective embedment depth h_{nom}	≥ 70 mm
Drill hole diameter d_0	10 mm
Hole diameter of component to be fixed d_f	≤ 10.5 mm
Drive	AF 13
Length M8 threaded connection	13 mm

Characteristic loads

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





Approval
ETA-12/0502



EJOT® facade anchor SDP-KB-10G/M8

with M8 threaded connection

Ø [mm]	Anchor length L [mm]	Thickness of the non-load carrying render layer t _{tol} [mm]	PU	Order description	Article number
Anchor with A4 stainless steel screws (-E)*					
10	80	0-10	100	SDP-KB-10Gx80/M8x13-E	8 532 080 813
10	100	10-30	100	SDP-KB-10Gx100/M8x13-E	8 532 100 813
*Anchor with steel screws with zinc-plated Cr(VI)-free coating (-V) upon request.					

*Anchor with steel screws with zinc-plated Cr(VI)-free coating (-V) upon request.

Accessories

Order description	PU	Article number
Socket AF13-1/4"x50	1	9 250 719 001

Application range

Suitable for installation of support profiles
with steel rods in rainscreen
Embedment of suspended ceilings
Fastening of ring bolts

Properties

Facade anchor with two-stage screw
Reliable form-fit in the substrate due to
combined expansion zones
High load-carrying capacity

Note

For planning and processing please note approval ETA-12/0502.

Characteristic values

Drive	AF 13
Length M8 threaded connection	13 mm
Drill hole depth $\geq t$	+90 mm
Embedment depth $\geq h_v$	70 mm

Characteristic values

Compressive strength aerated concrete [N/mm ²]	
Aerated concrete 2	0.75 kN
Aerated concrete 3	1.31 kN
Aerated concrete 4	1.87 kN
Aerated concrete 6	3.00 kN
Partial safety factor γ_{MAAC}	2.00 kN
Characteristic bending moment	
Stainless steel screw	20.6 Nm / γ_{Mc} 1.87





EJOT® renovation screw type RS-HT

Ø [mm]	Length [mm]	PU	Order description	Article number
Zinc plated, blue passivated				
5.3	35	100	Renovation screw RS-HT 5.3x35	7 284 055 601
5.3	45	100	Renovation screw RS-HT 5.3x45	7 284 121 601
5.3	55	100	Renovation screw RS-HT 5.3x55	7 284 057 601
5.3	65	100	Renovation screw RS-HT 5.3x65	7 284 058 601
5.3	80	100	Renovation screw RS-HT 5.3x80	7 284 059 601
5.3	95	100	Renovation screw RS-HT 5.3x95	7 284 060 601
Order information: Including white RAL 9010 push-on caps				

Application range

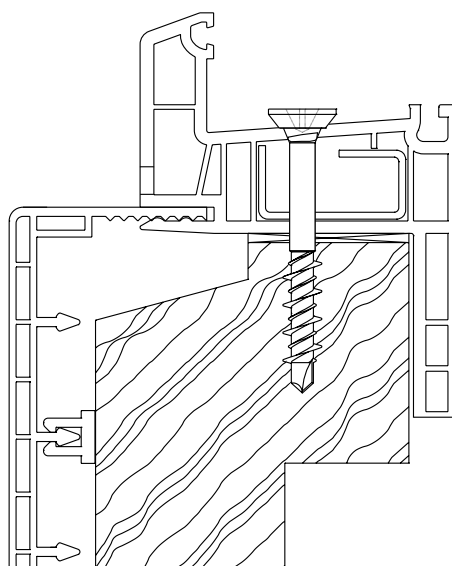
Installation of PVC windows in old wood frames
Reinforcement thickness max. 1.5 mm

Properties

Fast and efficient window replacement
The interior surface (render, wallpaper etc.) remains undamaged
The screw can be fastened directly into the timber, no pre-drilling required
Case-hardened steel

Technical Data

Head diameter	9.5 mm
Drive	Cross recess PH 2
Thread type	HT thread



PH 2



Cross reference

page

Bit cross-recess.....	72
Hammer drill SDS plus®	73
Push-on cap.....	77



Window Installation Attachments

Self-tapping screws

EJOT® self-tapping screw JA3-S-6.5

Ø [mm]	Length [mm]	PU	Order description	Article number
6.5	35	500	JA3-S-6.5x35	3 029 800 311
6.5	95	250	JA3-S-6.5x95	3 029 300 311

Application area

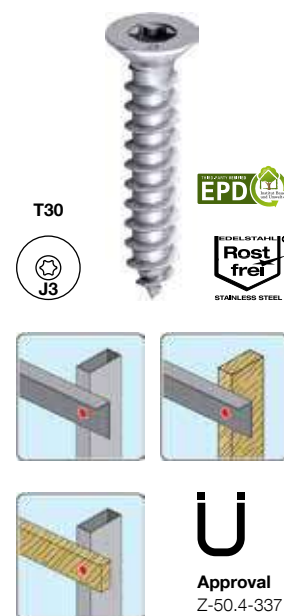
For fixing metal sections
to timber, aluminium substructures ≤ 3 mm
or steel substructures ≤ 2 mm
For fixing treads, platform and balcony
slabs to timber or aluminium substructures

Properties

A2 stainless steel

Technical Data

Head geometry	Countersunk head
Drive	T30



Cross reference	page
Bit TORX®	72
Hammer drill SDS plus®	73

EJOT® self-tapping screw JZ3-S-6.3

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

Application area

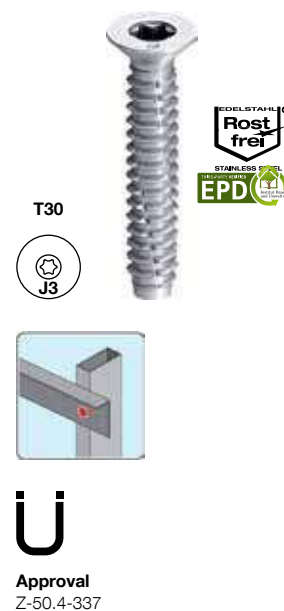
For fixing metal sections, timber, treads,
platforms and balcony slabs to steel or
aluminium substructures

Properties

A2 stainless steel

Technical Data

Head geometry	Countersunk head
Drive	T30



Cross reference	page
Bit TORX®	72
Hammer drill SDS plus®	73



Window Production
Plastics

Window Production
Timber

Window Production
Aluminium

Window Installation
Coupling / False Edge

Window Installation
Masonry / Concrete

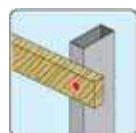
Window Installation
Timber

Window Installation
Attachments

Special Screws

Accessories / Tools





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Test certificate
P-BWU02-064191

Cross reference **page**
Bit TORX®.....72
Hammer drill SDS plus®.....73



Cross reference **page**
Bit TORX®.....72
Hammer drill SDS plus®.....73

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

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

Application area

Fastening timber laths
to aluminium substructure ≤ 2 mm

Properties

A2 stainless steel
Countersunk head with milling ribs

Technical Data

Drilling capacity $t_1 + t_2$	2.0 mm
Drive	T25

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

with flat head

Ø [mm]	Length [mm]	Clamp thickness [mm]	PU	Order description	Article number
4.8	25	0 - 15	1,000	JT4-ZT-4-4.8x25	7 381 129 300

Application area

Fastening aluminium profiles to aluminium
substructure ≤3 mm

Properties

A2 stainless steel

Technical Data

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





EJOT® self-drilling screw DIN EN ISO 15480 (DIN 7504)

Hexagon head

Ø [mm]	Length [mm]	PU	Order description	Article number
3.5	9.5	2,000	Self-drilling screw DIN EN ISO 15480 ST3.5x9.5-K	7 260 010 601*
3.5	13	2,000	Self-drilling screw DIN EN ISO 15480 ST3.5x13-K	7 260 011 601
3.5	16	2,000	Self-drilling screw DIN EN ISO 15480 ST3.5x16-K	7 260 012 601*
3.5	19	2,000	Self-drilling screw DIN EN ISO 15480 ST3.5x19-K	7 260 013 601*
3.5	22	1,000	Self-drilling screw DIN EN ISO 15480 ST3.5x22-K	7 260 014 601*
3.5	25	1,000	Self-drilling screw DIN EN ISO 15480 ST3.5x25-K	7 260 015 601*
4.2	13	1,000	Self-drilling screw DIN EN ISO 15480 ST4.2x13-K	7 260 031 601
4.2	16	1,000	Self-drilling screw DIN EN ISO 15480 ST4.2x16-K	7 260 032 601*
4.2	19	1,000	Self-drilling screw DIN EN ISO 15480 ST4.2x19-K	7 260 033 601
4.2	22	1,000	Self-drilling screw DIN EN ISO 15480 ST4.2x22-K	7 260 034 601*
4.2	25	1,000	Self-drilling screw DIN EN ISO 15480 ST4.2x25-K	7 260 035 601
4.2	32	500	Self-drilling screw DIN EN ISO 15480 ST4.2x32-K	7 260 036 601
4.8	13	1,000	Self-drilling screw DIN EN ISO 15480 ST4.8x13-K	7 260 051 601*
4.8	16	1,000	Self-drilling screw DIN EN ISO 15480 ST4.8x16-K	7 260 052 601*
4.8	19	1,000	Self-drilling screw DIN EN ISO 15480 ST4.8x19-K	7 260 053 601*
4.8	22	1,000	Self-drilling screw DIN EN ISO 15480 ST4.8x22-K	7 260 054 601*
4.8	25	500	Self-drilling screw DIN EN ISO 15480 ST4.8x25-K	7 260 055 601
4.8	32	500	Self-drilling screw DIN EN ISO 15480 ST4.8x32-K	7 260 056 601
4.8	38	500	Self-drilling screw DIN EN ISO 15480 ST4.8x38-K	7 260 057 601*
4.8	45	500	Self-drilling screw DIN EN ISO 15480 ST4.8x45-K	7 260 058 601
4.8	50	250	Self-drilling screw DIN EN ISO 15480 ST4.8x50-K	7 260 059 601
4.8	60	250	Self-drilling screw DIN EN ISO 15480 ST4.8x60-K	7 260 060 601
5.5	16	500	Self-drilling screw DIN EN ISO 15480 ST5.5x16-K	7 260 062 601*
5.5	19	500	Self-drilling screw DIN EN ISO 15480 ST5.5x19-K	7 260 063 601*
5.5	22	500	Self-drilling screw DIN EN ISO 15480 ST5.5x22-K	7 260 064 601*
5.5	25	500	Self-drilling screw DIN EN ISO 15480 ST5.5x25-K	7 260 065 601
5.5	32	250	Self-drilling screw DIN EN ISO 15480 ST5.5x32-K	7 260 066 601
5.5	38	250	Self-drilling screw DIN EN ISO 15480 ST5.5x38-K	7 260 067 601
5.5	45	250	Self-drilling screw DIN EN ISO 15480 ST5.5x45-K	7 260 068 601*
5.5	50	250	Self-drilling screw DIN EN ISO 15480 ST5.5x50-K	7 260 069 601
6.3	16	500	Self-drilling screw DIN EN ISO 15480 ST6.3x16-K	7 260 072 601*
6.3	19	500	Self-drilling screw DIN EN ISO 15480 ST6.3x19-K	7 260 073 601*
6.3	22	500	Self-drilling screw DIN EN ISO 15480 ST6.3x22-K	7 260 074 601*
6.3	25	500	Self-drilling screw DIN EN ISO 15480 ST6.3x25-K	7 260 075 601
6.3	32	250	Self-drilling screw DIN EN ISO 15480 ST6.3x32-K	7 260 076 601*
6.3	38	250	Self-drilling screw DIN EN ISO 15480 ST6.3x38-K	7 260 077 601*
6.3	45	250	Self-drilling screw DIN EN ISO 15480 ST6.3x45-K	7 260 078 601*
6.3	50	250	Self-drilling screw DIN EN ISO 15480 ST6.3x50-K	7 260 079 601

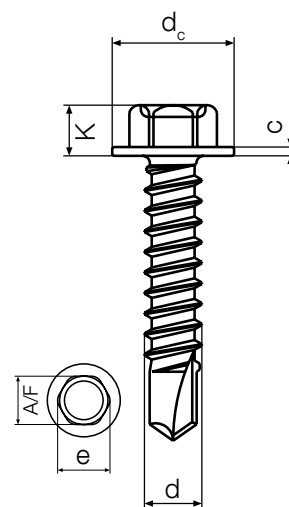
Stainless steel and T-drive on request
*Order information: Availability on request

- Properties
- Case-hardened steel
 - Zinc-plated, blue passivated finish

EJOT® self-drilling screw DIN EN ISO 15480 (DIN 7504)

Hexagon head

Technical Data								
External thread-Ø [mm]	d	2.90	3.50	(3.90)	4.20	4.80	5.50	6.30
Head Ø [mm]	d _c min.		7.60	7.60	8.10	9.80	10.00	12.20
	d _c max.		8.30	8.30	8.80	10.50	11.00	13.50
Head height [mm]	K min.		3.00	3.00	3.60	3.80	4.80	5.30
	K max.		3.40	3.40	4.10	4.30	5.40	5.90
Washer thickness [mm]	c min.		0.60	0.60	0.80	0.90	1.00	1.00
Width across flats [mm]	A/F min.		5.32	6.32	6.78	7.78	7.78	9.78
	A/F max.		5.50	5.50	7.00	8.00	8.00	10.00
Width across corners [mm]	e min.		5.96	5.96	7.59	8.71	8.71	10.95
Sheet thickness [mm]		0.75-2.00	0.75-2.25	0.75-2.50	0.75-2.75	2.50-4.25	2.50-4.75	2.50-5.75
Driver speed [rpm]		2,500	2,500	2,500	2,500	2,500	1,800	1,800



Window Production
Plastics

Window Production
Timber

Window Production
Aluminium

Window Installation
Coupling / False Edge

Window Installation
Masonry / Concrete

Window Installation
Timber

Window Installation
Attachments

Special Screws

Accessories / Tools





EJOT® self-drilling screw DIN EN ISO 15481 (DIN 7504)

Pan head

Ø [mm]	Length [mm]	PU	Order description	Article number
2.9	9.5	5,000	Self-drilling screw DIN EN ISO 15481 ST2.9x9.5-M-H	7 260 100 601*
2.9	16	2,000	Self-drilling screw DIN EN ISO 15481 ST2.9x16-M-H	7 260 102 601*
3.5	9.5	2,000	Self-drilling screw DIN EN ISO 15481 ST3.5x9.5-M-H	7 260 110 601
3.5	13	2,000	Self-drilling screw DIN EN ISO 15481 ST3.5x13-M-H	7 260 111 601*
3.5	16	2,000	Self-drilling screw DIN EN ISO 15481 ST3.5x16-M-H	7 260 112 601*
3.5	19	2,000	Self-drilling screw DIN EN ISO 15481 ST3.5x19-M-H	7 260 113 601*
3.5	22	1,000	Self-drilling screw DIN EN ISO 15481 ST3.5x22-M-H	7 260 114 601*
3.5	25	1,000	Self-drilling screw DIN EN ISO 15481 ST3.5x25-M-H	7 260 115 601*
4.2	13	1,000	Self-drilling screw DIN EN ISO 15481 ST4.2x13-M-H	7 260 131 601
4.2	16	1,000	Self-drilling screw DIN EN ISO 15481 ST4.2x16-M-H	7 260 132 601
4.2	19	1,000	Self-drilling screw DIN EN ISO 15481 ST4.2x19-M-H	7 260 133 601
4.2	22	1,000	Self-drilling screw DIN EN ISO 15481 ST4.2x22-M-H	7 260 134 601*
4.2	25	1,000	Self-drilling screw DIN EN ISO 15481 ST4.2x25-M-H	7 260 135 601
4.2	32	500	Self-drilling screw DIN EN ISO 15481 ST4.2x32-M-H	7 260 136 601*
4.2	38	500	Self-drilling screw DIN EN ISO 15481 ST4.2x38-M-H	7 260 137 601*
4.8	13	1,000	Self-drilling screw DIN EN ISO 15481 ST4.8x13-M-H	7 260 151 601*
4.8	16	1,000	Self-drilling screw DIN EN ISO 15481 ST4.8x16-M-H	7 260 152 601*
4.8	19	1,000	Self-drilling screw DIN EN ISO 15481 ST4.8x19-M-H	7 260 153 621
4.8	22	1,000	Self-drilling screw DIN EN ISO 15481 ST4.8x22-M-H	7 260 154 601
4.8	25	500	Self-drilling screw DIN EN ISO 15481 ST4.8x25-M-H	7 260 155 601
4.8	32	500	Self-drilling screw DIN EN ISO 15481 ST4.8x32-M-H	7 260 156 601
4.8	38	500	Self-drilling screw DIN EN ISO 15481 ST4.8x38-M-H	7 260 157 601
4.8	45	500	Self-drilling screw DIN EN ISO 15481 ST4.8x45-M-H	7 260 158 601*
4.8	50	250	Self-drilling screw DIN EN ISO 15481 ST4.8x50-M-H	7 260 159 601*
5.5	19	500	Self-drilling screw DIN EN ISO 15481 ST5.5x19-M-H	7 260 163 601
5.5	22	500	Self-drilling screw DIN EN ISO 15481 ST5.5x22-M-H	7 260 164 601*
5.5	25	500	Self-drilling screw DIN EN ISO 15481 ST5.5x25-M-H	7 260 165 601*
5.5	32	250	Self-drilling screw DIN EN ISO 15481 ST5.5x32-M-H	7 260 166 601*
6.3	19	500	Self-drilling screw DIN EN ISO 15481 ST6.3x19-M-H	7 260 173 601*
6.3	22	500	Self-drilling screw DIN EN ISO 15481 ST6.3x22-M-H	7 260 174 601*
6.3	32	500	Self-drilling screw DIN EN ISO 15481 ST6.3x32-M-H	7 260 176 601*

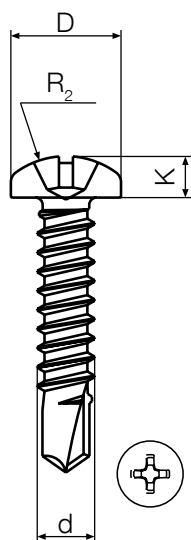
Stainless steel and T-drive on request

*Order information: Availability on request

Properties

Case-hardened steel

Zinc-plated, blue passivated finish



Technical Data

[illegible]

EJOT® self-drilling screw DIN EN ISO 15482 (DIN 7504)

Countersunk head

Ø [mm]	Length [mm]	PU	Order description	Article number
2.9	13	2,000	Self-drilling screw DIN EN ISO 15482 ST2.9x13-0-H	7 260 201 601*
2.9	16	2,000	Self-drilling screw DIN EN ISO 15482 ST2.9x16-0-H	7 260 202 601*
2.9	19	2,000	Self-drilling screw DIN EN ISO 15482 ST2.9x19-0-H	7 260 203 601
3.5	13	2,000	Self-drilling screw DIN EN ISO 15482 ST3.5x13-0-H	7 260 211 601*
3.5	16	2,000	Self-drilling screw DIN EN ISO 15482 ST3.5x16-0-H	7 260 212 601*
3.5	19	2,000	Self-drilling screw DIN EN ISO 15482 ST3.5x19-0-H	7 260 213 601*
3.5	22	2,000	Self-drilling screw DIN EN ISO 15482 ST3.5x22-0-H	7 260 214 601*
3.5	25	2,000	Self-drilling screw DIN EN ISO 15482 ST3.5x25-0-H	7 260 215 601*
4.2	16	1,000	Self-drilling screw DIN EN ISO 15482 ST4.2x16-0-H	7 260 232 601
4.2	19	1,000	Self-drilling screw DIN EN ISO 15482 ST4.2x19-0-H	7 260 233 601*
4.2	22	1,000	Self-drilling screw DIN EN ISO 15482 ST4.2x22-0-H	7 260 234 601*
4.2	25	1,000	Self-drilling screw DIN EN ISO 15482 ST4.2x25-0-H	7 260 235 601
4.2	32	500	Self-drilling screw DIN EN ISO 15482 ST4.2x32-0-H	7 260 236 607
4.2	38	500	Self-drilling screw DIN EN ISO 15482 ST4.2x38-0-H	7 260 237 601
4.2	45	500	Self-drilling screw DIN EN ISO 15482 ST4.2x45-0-H	7 260 238 601*
4.8	16	1,000	Self-drilling screw DIN EN ISO 15482 ST4.8x16-0-H	7 260 252 601*
4.8	19	1,000	Self-drilling screw DIN EN ISO 15482 ST4.8x19-0-H	7 260 253 601
4.8	22	1,000	Self-drilling screw DIN EN ISO 15482 ST4.8x22-0-H	7 260 254 601*
4.8	25	1,000	Self-drilling screw DIN EN ISO 15482 ST4.8x25-0-H	7 260 255 601
4.8	32	500	Self-drilling screw DIN EN ISO 15482 ST4.8x32-0-H	7 260 256 601
4.8	38	500	Self-drilling screw DIN EN ISO 15482 ST4.8x38-0-H	7 260 257 601
4.8	45	500	Self-drilling screw DIN EN ISO 15482 ST4.8x45-0-H	7 260 258 601*
4.8	50	250	Self-drilling screw DIN EN ISO 15482 ST4.8x50-0-H	7 260 259 601
4.8	60	250	Self-drilling screw DIN EN ISO 15482 ST4.8x60-0-H	7 260 260 601
4.8	70	250	Self-drilling screw DIN EN ISO 15482 ST4.8x70-0-H	7 260 261 601
5.5	19	500	Self-drilling screw DIN EN ISO 15482 ST5.5x19-0-H	7 260 263 601*
5.5	22	500	Self-drilling screw DIN EN ISO 15482 ST5.5x22-0-H	7 260 264 601*
5.5	25	500	Self-drilling screw DIN EN ISO 15482 ST5.5x25-0-H	7 260 265 601
5.5	32	250	Self-drilling screw DIN EN ISO 15482 ST5.5x32-0-H	7 260 266 601
5.5	38	250	Self-drilling screw DIN EN ISO 15482 ST5.5x38-0-H	7 260 267 601
5.5	45	250	Self-drilling screw DIN EN ISO 15482 ST5.5x45-0-H	7 260 268 601*
5.5	50	250	Self-drilling screw DIN EN ISO 15482 ST5.5x50-0-H	7 260 269 601*
6.3	22	500	Self-drilling screw DIN EN ISO 15482 ST6.3x22-0-H	7 260 274 601*
6.3	25	500	Self-drilling screw DIN EN ISO 15482 ST6.3x25-0-H	7 260 275 601
6.3	38	250	Self-drilling screw DIN EN ISO 15482 ST6.3x38-0-H	7 260 277 601*
6.3	50	250	Self-drilling screw DIN EN ISO 15482 ST6.3x50-0-H	7 260 279 601*
6.3	60	250	Self-drilling screw DIN EN ISO 15482 ST6.3x60-0-H	7 260 280 601*
6.3	70	250	Self-drilling screw DIN EN ISO 15482 ST6.3x70-0-H	7 260 281 601*

Stainless steel and T-drive on request

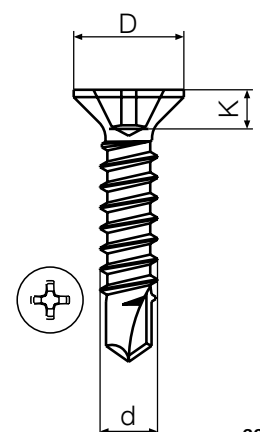
*Order information: Availability on request

Properties

Case-hardened steel

Zinc-plated, blue passivated finish

Technical Data								
External thread-Ø [mm]	d	2.90	3.50	(3.90)	4.20	4.80	5.50	6.30
Head Ø [mm]	D	5.50	7.30	7.50	8.40	9.30	10.30	11.30
Head height [mm]	≈ K	1.70	2.10	2.30	2.60	2.80	3.00	3.5
Cross recess size	H	1	2	2	2	2	3	3
Sheet thickness [mm]		0.75-2.00	0.75-2.25	0.75-2.50	0.75-2.75	2.50-4.25	2.50-4.75	2.50-5.75
Driver speed [rpm]		2,500	2,500	2,500	2,500	2,500	1,800	1,800



Window Production
Plastics

Window Production
Timber

Window Production
Aluminium

Window Installation
Coupling / False Edge

Window Installation
Masonry / Concrete

Window Installation
Timber

Window Installation
Attachments

Special Screws

Accessories / Tools





EJOT® WD self-drilling wing screws

Length [mm]	Head Ø [mm]	Thread length [mm]	DIN	Drilling perfor- mance	Wood thickness [mm]	PU	Order description	Article number
Ø 4.2 mm								
38	8.4	22	O-H	1.5 - 3.0	6 - 20	500	WD self-drilling screw ST 4.2x38-O-H	7 389 102 601
Ø 4.8 mm								
38	9.5	23	T25	2.5 - 4.0	8 - 18	500	WD self-drilling screw ST 4.8x38-O-T25 ribs	7 289 196 601
50	9.5	35	T25	2.5 - 4.0	8 - 30	250	WD self-drilling screw ST 4.8x50-O-T25 ribs	7 289 197 601
70	9.5	55	T25	2.5 - 4.0	8 - 50	250	WD self-drilling screw ST 4.8x70-O-T25 ribs	7 289 198 601
Ø 5.5 mm								
45	10.8	25	O-H	2.5 - 5.0	10 - 22	500	WD self-drilling screw ST 5.5x45-O-H	7 389 112 601
50	10.8	30	T25	2.5 - 5.0	10 - 30	200	WD self-drilling screw ST 5.5x50-O-T25 ribs	7 289 206 601
60	10.8	30	T25	2.5 - 5.0	10 - 40	200	WD self-drilling screw ST 5.5x60-O-T25 ribs	7 289 207 601
80	10.8	60	T25	2.5 - 5.0	10 - 60	200	WD self-drilling screw ST 5.5x80-O-T25 ribs	7 289 208 601
100	10.8	60	T25	2.5 - 5.0	10 - 80	200	WD self-drilling screw ST 5.5x100-O-T25 ribs	7 289 202 601
120	10.8	60	T25	2.5 - 4.0	10 - 100	200	WD self-drilling screw ST 5.5x120-O-T25 ribs	7 289 203 601
150	10.8	60	T25	2.5 - 5.0	10 - 130	200	WD self-drilling screw ST 5.5x150-O-T25 ribs	7 289 204 601
Ø 6.3 mm								
70	15.0	30	T40	2.5 - 8.0	10 - 38	250	WD self-drilling screw UNC 6.3x70-O-T40 ribs	7 389 161 601

Other designs on request

Application range

Special screw for fixing timber to metal substructures

Properties

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

Processing information

To ensure shearing of the wings, the material thickness of the metal substructure must be at least 1.5 mm





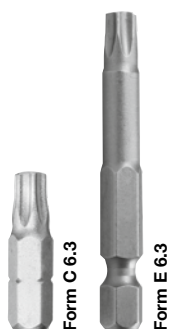


Cross recess bit

PH



Drive and size Size	Length [mm]	PU	Order description	Article number
Drive: 1/4" hexagon DIN/ISO 1173 - C 6.3				
Phillips PH 2	25	10	PH2-1/4"/Cx25	9 250 474 000
Phillips PH 3	25	10	PH3-1/4"/Cx25	9 250 484 000
Drive: threaded connection M4				
Phillips PH 2	33	10	Thread bit PH2 M4x33 mm	9 000 080 046
Drive: threaded connection M5				
Phillips PH 2	33	10	Thread bit PH2 M5x33 mm	9 000 080 047
Phillips PH 2	45	10	Thread bit PH2 M5x45 mm	9 000 080 044
Drive: threaded connection M6				
Phillips PH 2	45	10	Thread bit PH2 M6x45 mm	9 000 080 045



Bit TORX®



Drive and size Size	Length [mm]	PU	Order description	Article number
Drive: 1/4" hexagon DIN/ISO 1173 - C 6.3				
T25	25	10	TORX T25-1/4"/Cx25	9 150 009 000
T25 conical*	25	10	TORX T25W-1/4"/Cx25*	9 150 003 000
T30	25	10	TORX T30-1/4"/Cx25	9 250 431 000
T30W	25	10	TORX T30W-1/4"/Cx25*	9 250 431 002
Drive: 1/4" hexagon DIN/ISO 1173 - E 6.3				
T25	70	10	TORX Bit T25-1/4"x70mm	9 000 080 022
T25 conical*	70	10	TORX Bit T25W-1/4"x70mm	9 000 080 242
T30	70	10	TORX Bit T30-1/4"x70mm	9 000 080 023
T30 conical*	70	10	TORX Bit T30W-1/4"x70mm	9 000 080 042

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

Order information: Undersized bits on request

(No clamping between screw drive and bit, for automated fastening)

Hammer drill SDS plus®

with 4 edge geometry

Ø [mm]	Effective length [mm]	Total length [mm]	PU	Order description	Article number
6.0	50	110	1	4 edge SDS-plus 6.0x50/110	9 210 006 110
6.0	100	160	1	4 edge SDS-plus 6.0x100/160	9 210 006 160
6.0	150	210	1	4 edge SDS-plus 6.0x150/210	9 210 006 210
6.0	200	260	1	4 edge SDS-plus 6.0x200/260	9 210 006 260
10.0	100	160	1	4 edge SDS-plus 10.0x100/160	9 210 010 160
10.0	150	210	1	4 edge SDS-plus 10.0x150/210	9 210 010 210
10.0	200	260	1	4 edge SDS-plus 10.0x200/260	9 210 010 260
10.0	250	310	1	4 edge SDS-plus 10.0x250/310	9 210 010 310
10.0	300	360	1	4 edge SDS-plus 10.0x300/360	9 210 010 360
10.0	400	460	1	4 edge SDS-plus 10.0x400/460	9 210 010 460

Application area

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

Technical Data

Drive	SDS plus®
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Advantages

Also for use in reinforced concrete

Window Production
PlasticsWindow Production
TimberWindow Production
AluminiumWindow Installation
Coupling / False EdgeWindow Installation
Masonry / ConcreteWindow Installation
TimberWindow Installation
Attachments

Special Screws

Accessories / Tools





EJOT® window carrying strap screw

Ø [mm]	Length [mm]	PU	Order description	Article number
Zinc plated, blue passivated				
5.5	22.5	500	Window carrying strap screw 5.5x22.5	7 284 062 601

Application area

Use in combination with EJOT window
carrying strap

Technical Data

Drilling capacity	Max. 4.0 mm
Drive	Phillips PH2

Note:

After fastening the window carrying strap screw, the grommet of the EJOT window carrying strap is hooked over the head of the screw.

EJOT® window carrying strap

Dimensions [mm]	Length [mm]	PU	Order description	Article number
white with EJOT logo				
TG 1	360	10	Carrying strap	9 000 060 086

Application area

To support window elements
Can also be used in combination with EJOT
window carrying strap screw
Fastening in the anchor hole Ø 10 mm

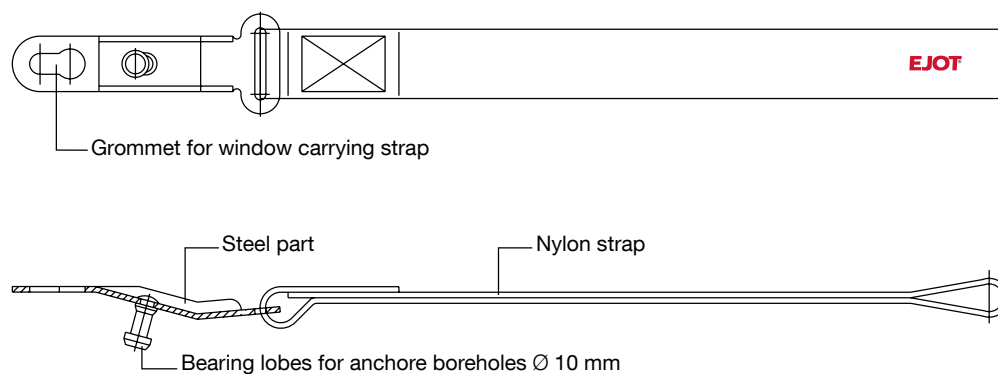
Note

Carrying cams of the EJOT window carrying strap are inserted into the anchor hole
Ø 10 mm

Grommet is placed on the EJOT window carrying strap screw

Bearing load of carrying cams with anchor hole 10 mm, max. 80 kg

Bearing load with carrying strap screw max. 320 kg







Cross reference **page**
EJOT frame anchor type RA-P..... 46



Cross reference **page**
EJOT frame anchor type SA-H 47



Cross reference **page**
EJOT frame anchor type RA-U 48

EJOT® push-on cap Ø 14.5 mm
for screw type RA-P

Colour	RAL	PU	Order description	Article number
grey*	7036	100	Push-on cap for RA-P Ø14.5 RAL 7036	9 000 019 600
clay brown*	8003	100	Push-on cap for RA-P Ø14.5 RAL 8003	9 000 080 600
brown	8011	100	Push-on cap for RA-P Ø14.5 RAL 8011	9 000 012 600
cream*	9001	100	Push-on cap for RA-P Ø14.5 RAL 9001	9 000 028 600
white	9010	100	Push-on cap for RA-P Ø14.5 RAL 9010	9 000 011 600
black	9011	100	Push-on cap for RA-P Ø14.5 RAL 9011	9 000 013 600

*Order information: Marked and additional RAL colours on request

EJOT® push-on cap Ø 13.5 mm
for screw type SA-H

Colour	RAL	PU	Order description	Article number
brown*	8011	100	Push-on cap for SA-H Ø13.5 RAL 8011	9 000 025 600
white*	9010	100	Push-on cap for SA-H Ø13.5 RAL 9010	9 000 027 600

*Order information: Marked and additional RAL colours on request

EJOT® push-on cap Ø 12.0 mm (with dog point)
for screw type RA-U

Colour	RAL	PU	Order description	Article number
brown	8011	100	Push-on cap for RA-U Ø12.0 RAL 8011	9 000 043 600
cream*	9001	100	Push-on cap for RA-U Ø12.0 RAL 9001	9 000 045 600
white	9010	100	Push-on cap for RA-U Ø12.0 RAL 9010	9 000 042 600
black*	9011	100	Push-on cap for RA-U Ø12.0 RAL 9011	9 000 044 600

*Order information: Marked and additional RAL colours on request

EJOT® push-on cap Ø 16.5 mm

for screw type RA-P and RA-U

Colour	RAL	PU	Order description	Article number
cream*	9001	100	Push-on cap for RA-P / RA-U Ø16.5 RAL 9001	9 000 060 600
white	9010	100	Push-on cap for RA-P / RA-U Ø16.5 RAL 9010	9 000 015 600

*Order information: Marked and additional RAL colours on request

**Cross reference** **page**

EJOT frame anchor type RA-P 46

EJOT frame anchor type RA-U 48

EJOT® push-on cap Ø 12.0 mm

for screw type MS and RS-HT

Colour	RAL	PU	Order description	Article number
beige*	1011	100	Push-on cap for MS / RS Ø12.0 RAL 1011	9 000 021 600
brown	8017	100	Push-on cap for MS / RS Ø12.0 RAL 8017	9 000 012 700
cream*	9001	100	Push-on cap for MS / RS Ø12.0 RAL 9001	9 000 084 600
white	9010	100	Push-on cap for MS / RS Ø12.0 RAL 9010	9 000 011 700
black	9011	100	Push-on cap for MS / RS Ø12.0 RAL 9011	9 000 013 700

*Order information: Marked and additional RAL colours on request

**Cross reference** **page**

EJOT coupling screw

Type MS 42

EJOT replacement screw

Type RS-HT 61







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Cover:

House cube close-up
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