



# Window and Glass Facade Technology

High-quality fastening elements for the production and assembly of windows and doors as well as for use in aluminium/glass facade systems

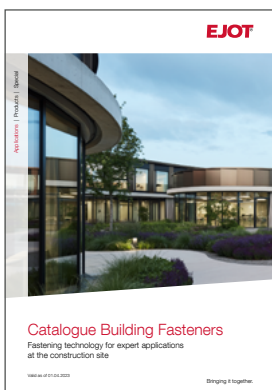
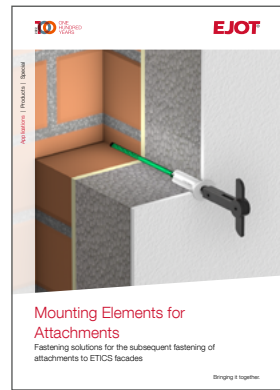
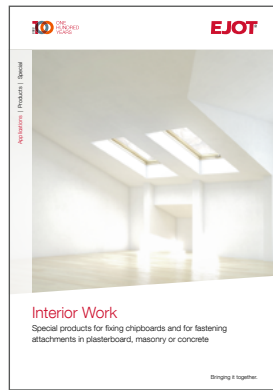
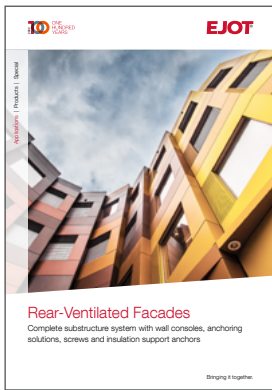
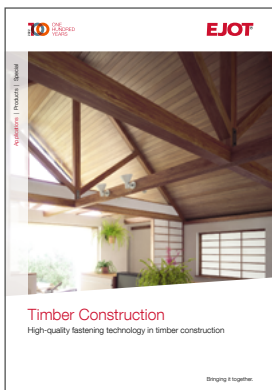
Bringing it together.

# At home in many trades

## Overview of our catalogues

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

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



### General Catalogue Building Fasteners 2023/2024

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

You can find a digital overview of our catalogues here:



[www.ejot.com/catalogues](http://www.ejot.com/catalogues)

# Product overview

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## Window screw type S



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### 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

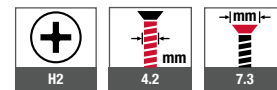
### Properties

- > Classic screw for fittings, technically leading, with double-start thread
- > The optimum also in thin-walled profiles
- > High stripping torques and pull-out values in PVC
- > Roll-sorted quality for automated fastening
- > Case-hardened steel
- > EJOSEAL is an inorganic, transparent sealant, to significantly increase the corrosion and heat resistance of fastening elements with zinc or zinc alloy coatings. EJOSEAL does not contain wax and is ideally suitable for direct fastening into plastic.

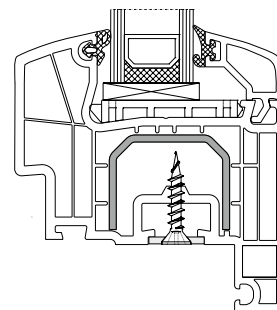
### Processing information

- > Can also be fastened in steel, pre-drilling required (see chart)
- > Can also be fastened in GRP, pre-drilling might be required

### Technical specifications



### Certifications



### Product online



Sheet thickness	Pre-drilling diameter
1.5 mm	3.0 mm
2.0 mm	3.2 mm
2.5 mm	3.5 mm

Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
<b>EJOSEAL</b>					
Window screw S 4.2x13	13	1000		2225413607	4061245044637
Window screw S 4.2x16	16	1000		2225416607	4061245044644
Window screw S 4.2x20	20	1000		2225420607	4061245044651
Window screw S 4.2x22	22	1000		2225422607	4061245044668
Window screw S 4.2x25	25	1000		2225425607	4061245044675
Window screw S 4.2x30	30	1000		2225430607	4061245044682
Window screw S 4.2x35	35	1000		2225435607	4061245044699
Window screw S 4.2x40	40	1000		2225440607	4061245044705
Window screw S 4.2x45	45	1000		2225445607	4061245044712
Window screw S 4.2x55	55	1000		2225455607	4061245044729

Stainless steel available upon request



## Window screw type S/Tg



Cross references	page
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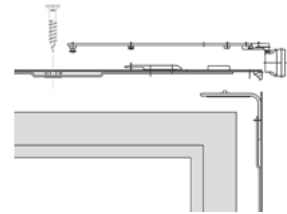
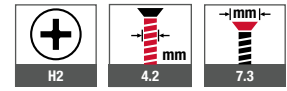
### Application range

- > Fixing gear rack and baffle gear

### Properties

- > Non-threaded area minimizes the friction at the joint of gear rack/baffle gear
- > Non-threaded area ensures permanent easy opening and closing of the window
- > Case-hardened steel
- > Double-start thread with partial thread
- > EJOSEAL is an inorganic, transparent sealant, to significantly increase the corrosion and heat resistance of fastening elements with zinc or zinc alloy coatings. EJOSEAL does not contain wax and is ideally suitable for direct fastening into plastic.

### Technical specifications



### Product online



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
<b>EJOSEAL</b>					
Window screw S/Tg 4.2x25	25	1000		2232325607	4061245044743

## Window screw type Super-E



Cross references	page
Bit cross recess H2	32

### Application range

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

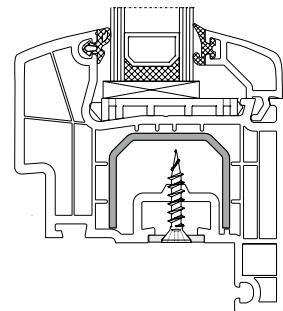
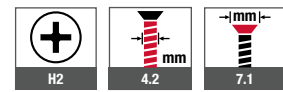
### Properties

- > Cost-effective screw for fittings with one-start thread
- > Under-head serrations for increased safety against stripping
- > Slightly curved head for flawless appearance even with bevelled installation
- > Roll-sorted quality for automated fastening
- > Case-hardened steel
- > EJOSEAL is an inorganic, transparent sealant, to significantly increase the corrosion and heat resistance of fastening elements with zinc or zinc alloy coatings. EJOSEAL does not contain wax and is ideally suitable for direct fastening into plastic.

### Processing information

- > Can also be fastened in steel, pre-drilling required (see chart)
- > Can also be fastened in GRP, pre-drilling might be required

### Technical specifications



Sheet thickness	Pre-drilling diameter
1.5 mm	3.0 mm
2.0 mm	3.0 mm
2.5 mm	3.0 mm

### Product online



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
<b>EJOSEAL</b>					
Window screw Super-E 4.2x16	16	1000		2253416607	4061245041438
Window screw Super-E 4.2x20	20	1000		2253420607	4061245041421
Window screw Super-E 4.2x22	22	1000		2253422607	4061245041414
Window screw Super-E 4.2x25	25	1000		2253425607	4061245041407
Window screw Super-E 4.2x28	28	1000		2253428607	4061245041391
Window screw Super-E 4.2x30	30	1000		2253430607	4061245041384
Window screw Super-E 4.2x35	35	1000		2253435607	4061245041377
Window screw Super-E 4.2x40	40	1000		2253440607	4061245041360
Window screw Super-E 4.2x45	45	1000		2253445607	4061245041353
Window screw Super-E 4.2x55	55	1000		2253455607	4061245041346

## Window screw type Super-E/Tg



Cross references	page
Bit cross recess H2	32

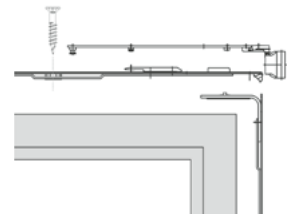
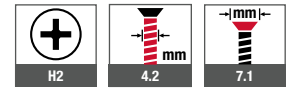
### Application range

- > Fixing gear rack and baffle gear
- > For narrow casement profiles

### Properties

- > Non-threaded area minimizes the friction at the joint of gear rack/baffle gear
- > Non-threaded area ensures permanent easy opening and closing of the window
- > Under-head serrations for increased safety against stripping
- > Case-hardened steel
- > Single-start thread with partial thread
- > EJOSEAL is an inorganic, transparent sealant, to significantly increase the corrosion and heat resistance of fastening elements with zinc or zinc alloy coatings. EJOSEAL does not contain wax and is ideally suitable for direct fastening into plastic.

### Technical specifications



### Product online



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
<b>EJOSEAL</b>					
Window screw Super-E/Tg 4.2x22	22	1000		2290336607	4061245041247
Window screw Super-E/Tg 4.2x25	25	1000		2254325607	4061245041339

## Window screw type ATS



**Cross references** **page**

Bit cross recess H2 32

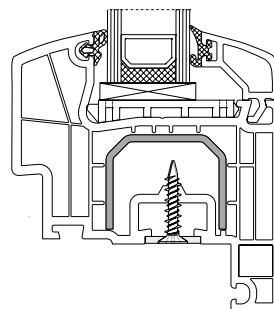
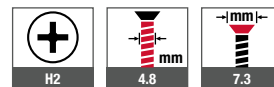
**Application range**

- > For increased loads
- > For reliable replacement of stripped fitting screws

**Properties**

- > With DSK point for precise and wobble-free fastening in PVC
- > With HT thread
- > Head diameter identical with fitting screw type S
- > Case-hardened steel
- > EJOSEAL is an inorganic, transparent sealant, to significantly increase the corrosion and heat resistance of fastening elements with zinc or zinc alloy coatings. EJOSEAL does not contain wax and is ideally suitable for direct fastening into plastic.

**Technical specifications**



**Product online**



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
<b>EJOSEAL</b>					
Window screw ATS 4.8x25	25	1000		2206425607	4061245041599
Window screw ATS 4.8x30	30	1000		2206430607	4061245041582
Window screw ATS 4.8x38	38	1000		2206438607	4061245041575



## Window screw type Super-Jot



### Application range

- > For fixing tilt and turn fittings in wood
- > Fixing locking plates and bearings etc.

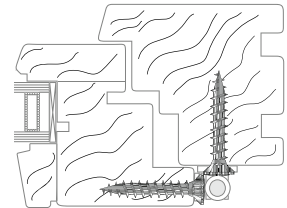
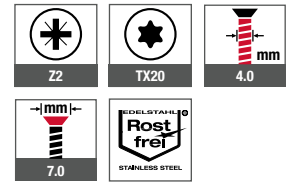
### Properties

- > The special thread geometry and the wax coating ensure low installation torques and high stripping or loosening torques
- > Immediate grip in the wood due to the cutting tip
- > Case-hardened steel
- > With special thread, reinforced
- > EJOSEAL is an inorganic, transparent sealant, to significantly increase the corrosion and heat resistance of fastening elements with zinc or zinc alloy coatings.

### Note

For use in wood with high tannin content (e.g. oak, beech, larch and impregnated wood) we recommend our stainless steel version. Also note a possible incompatibility with wood preservatives or impregnated timber. In case of doubt, use stainless steel version.

### Technical specifications



Cross references	page
Bit cross recess Z2	32
Bit hexalobular TX 20	33

### Recommended edge distance according to Eurocode 5

In Eurocode 5 "Design of timber structures - General rules and rules for buildings" the edge distance of the fixing with or without pre-drilling in timber are specified. For installation depths in hard wood over 25 mm, it is recommended to pre-drill with  $\varnothing 3$  mm.

#### Recommended edge distance according to Eurocode 5 (former DIN 1052)

Pre-drilled	3 x screw diameter d
Without pre-hole	5 x screw diameter d

### Product online



Order description	Length [mm]	Drive	PU [pieces]	Price/100 [EUR]	Article number	EAN
<b>EJOSEAL and wax coating</b>						
Window screw type Super-Jot 4.0x25-Z	25	Z2*	1000		2211225608	4061245041568
Window screw type Super-Jot 4.0x30-Z	30	Z2*	1000		2211230608	4061245041544
Window screw type Super-Jot 4.0x35-Z	35	Z2*	1000		2211235608	4061245041537
Window screw type Super-Jot 4.0x40-Z	40	Z2*	1000		2211240608	4061245041520
Window screw type Super-Jot 4.0x45-Z	45	Z2*	1000		2211245608	4061245041506
Window screw type Super-Jot 4.0x50-Z	50	Z2*	1000		2211250608	4061245041490
<b>A2 stainless steel</b>						
Window screw Super-Jot 4.0x30-T20	30	TX20	1000		2211230300	4061245041551
Window screw Super-Jot 4.0x45-T20	45	TX20	1000		2211245300	4061245041513

\*Upon request also with TX20 drive

## Transom screw



### Application range

- > Transom fastening
- > Direct installation into timber and PVC

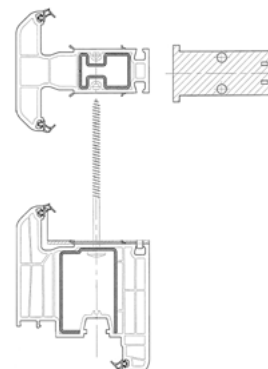
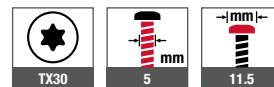
### Properties

- > Partial thread
- > Case-hardened steel

### Note

Check pre-drilling when installing into hard wood

### Technical specifications



Cross references	page
Bit hexalobular TX.30	33

### Product online



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
<b>zinc-plated, blue passivated</b>					
Transom screw 5.0x80/40	80/40	500		2290120601	4061245041261
Transom screw 5.0x100/55	100/55	500		2290121601	4061245041254

## Metric screw



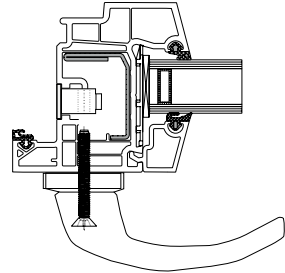
### Application range

- > Fastening window handles (window olives)

### Properties

- > With dog point
- > Steel quality grade 4.8
- > With metric thread

### Technical specifications



Cross references	page
Bit cross recess H2	32

### Product online



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
<b>zinc-plated, blue passivated</b>					
Metric screw M5x40	40	500		2237540401	4061245041452
Metric screw M5x48	48	250		2237548401	4061245041445

## Self-drilling screw type FD42



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Bit cross recess H2	32

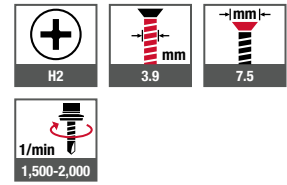
### Application range

- > For fixing metal core and fittings to thick-walled and multi-ply PVC profiles and steel or aluminium reinforcements up to 4.0 mm thick

### Properties

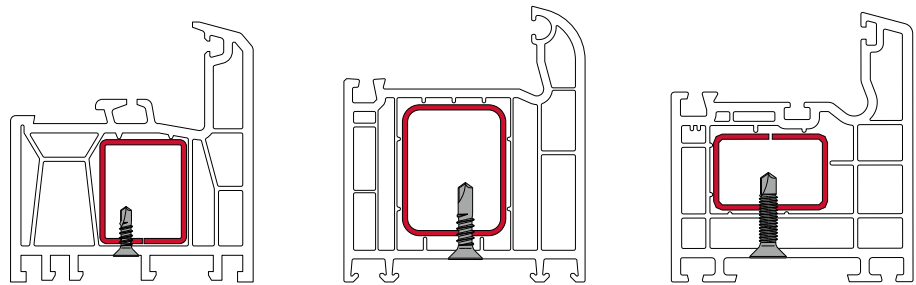
- > Drilling capacity up to 4.0 mm
- > One type of screw for up to three applications
- > Reduction of application errors
- > Reliable fastening process
- > Roll-sorted quality for automated fastening
- > Case-hardened steel
- > Special thread
- > EJOSEAL is an inorganic, transparent sealant, to significantly increase the corrosion and heat resistance of fastening elements with zinc or zinc alloy coatings. EJOSEAL does not contain wax and is ideally suitable for direct fastening into plastic.

### Technical specifications



### Application examples

Until now, three different screw types were needed for these applications.



### Product online



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
<b>EJOSEAL</b>					
Self-drilling screw FD42 3.9x16	16	1000		7260822607	4061245040615
Self-drilling screw FD42 3.9x19	19	1000		7260823607	4061245044736
Self-drilling screw FD42 3.9x22	22	1000		7260824607	4061245040608
Self-drilling screw FD42 3.9x25	25	1000		7260825607	4061245040592
Self-drilling screw FD42 3.9x30	30	1000		7282823607	4061245045016
Self-drilling screw FD42 3.9x32	32	1000		7260826607	4061245040585
Self-drilling screw FD42 3.9x38	38	1000		7260827607	4061245040578
Self-drilling screw FD42 3.9x45	45	1000		7260828607	4061245040561

## Self-drilling screw type FD2



**Cross references** **page**  
Bit cross recess H2 32

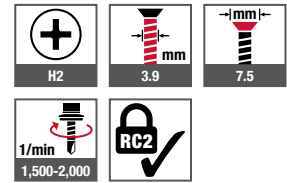
### Application range

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

### Properties

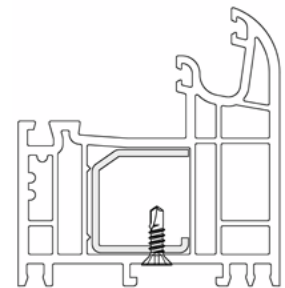
- > Burglar-resistant (RC2)
- > Roll-sorted quality for automated fastening
- > Case-hardened steel
- > EJOSEAL is an inorganic, transparent sealant, to significantly increase the corrosion and heat resistance of fastening elements with zinc or zinc alloy coatings. EJOSEAL does not contain wax and is ideally suitable for direct fastening into plastic.

### Technical specifications



### Certifications

EPH Dresden  
Inspection  
document  
No. 2614091-02



### Product online



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
<b>EJOSEAL</b>					
Self-drilling screw FD2 3.9x13	13	1000		7260621607	4061245045702
Self-drilling screw FD2 3.9x16	16	1000		7260622607	4061245045719
Self-drilling screw FD2 3.9x19	19	1000		7260623607	4061245045726
Self-drilling screw FD2 3.9x22	22	1000		7260624607	4061245045733
Self-drilling screw FD2 3.9x25	25	1000		7260625607	4061245045740
Self-drilling screw FD2 3.9x28	28	1000		7282670607	4061245045757
Self-drilling screw FD2 3.9x32	32	1000		7260626607	4061245045764
Self-drilling screw FD2 3.9x38	38	1000		7260627607	4061245045771
Self-drilling screw FD2 3.9x45	45	1000		7260628607	4061245045788



## Self-drilling screw type FD1



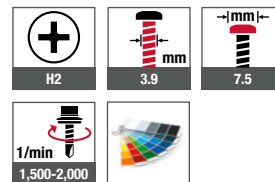
### Application range

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

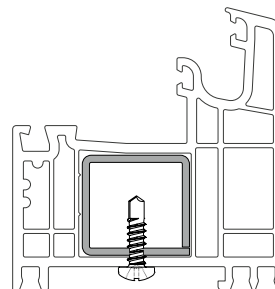
### Properties

- > Roll-sorted quality for automated fastening
- > Case-hardened steel

### Technical specifications



Cross references	page
Bit cross recess H2	32



### Product online



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
<b>zinc-plated, blue passivated</b>					
Self-drilling screw FD1 3.9x9.5	9.5	1000		7260520601	4061245040646
Self-drilling screw FD1 3.9x13	13	1000		7260521601	4061245040639
Self-drilling screw FD1 3.9x16	16	1000		7260522601	4061245040622

## Self-drilling screw type FDM2



Cross references	page
Bit cross recess H2	32

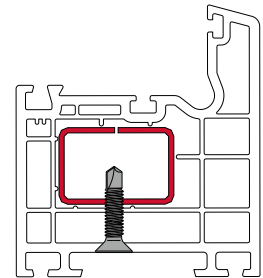
### Application range

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

### Properties

- > The fine thread pitch of the metric thread prevents a forced feed in thick-walled PVC or in window profiles with multiple cavities
- > Roll-sorted quality for automated fastening
- > Case-hardened steel
- > With metric thread
- > EJOSEAL is an inorganic, transparent sealant, to significantly increase the corrosion and heat resistance of fastening elements with zinc or zinc alloy coatings. EJOSEAL does not contain wax and is ideally suitable for direct fastening into plastic.

### Technical specifications



### Product online



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
<b>EJOSEAL</b>					
Self-drilling screw FDM2 M4x13	13	1000		7286601607	4061245045795
Self-drilling screw FDM2 M4x16	16	1000		7286602607	4061245045801
Self-drilling screw FDM2 M4x19	19	1000		7286603607	4061245045818
Self-drilling screw FDM2 M4x22	22	1000		7286604607	4061245045825
Self-drilling screw FDM2 M4x25	25	1000		7286605607	4061245045832
Self-drilling screw FDM2 M4x32	32	1000		7286607607	4061245045849
Self-drilling screw FDM2 M4x38	38	1000		7286608607	4061245045856
Self-drilling screw FDM2 M4x45	45	1000		7286622607	4061245045863

## Self-drilling screw type FDM1



Cross references	page
Bit cross recess H2	32

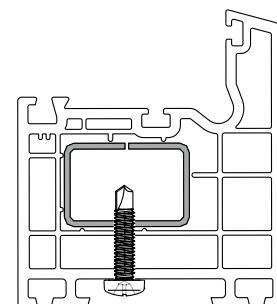
### Application range

- > 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
- > Roll-sorted quality for automated fastening
- > Case-hardened steel
- > With metric thread
- > EJOSEAL is an inorganic, transparent sealant, to significantly increase the corrosion and heat resistance of fastening elements with zinc or zinc alloy coatings. EJOSEAL does not contain wax and is ideally suitable for direct fastening into plastic.

### Technical specifications



### Product online



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
<b>EJOSEAL</b>					
Self-drilling screw FDM1 M4x16	16	1000		7285502607	4061245040479
Self-drilling screw FDM1 M4x19	19	1000		7285503607	4061245040462

## Self-drilling shutter screw type RD



**Cross references** **page**  
Bit cross recess H2 32

### Application range

- Clamping of
- > Roller-shutter profiles
  - > Drip sills

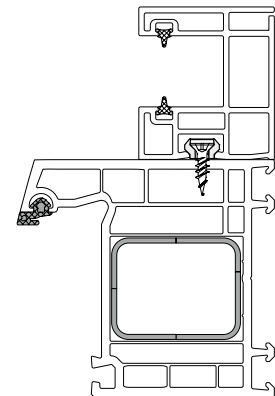
### Properties

- > With double-start thread
- > Case-hardened steel

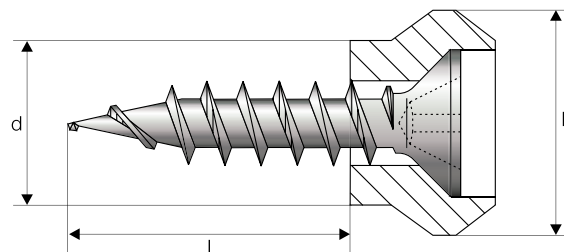
### Note

For the exact determination of a self-drilling shutter screw, a detailed drawing of the groove or a sample profile is required due to a large number of profile variants.

### Technical specifications



Self-drilling shutter screw	Profile
RD-1	Salamander
RD-2	Rehau, Inoutic, KBE, Aluplast, Deceuninck, Roplasto
RD-3	Trocal, Stöckel
RD-4	Kömmerling, Gealan, Roplasto
RD-5	Hocoplast, Aluplast
RD-6	Veka



### Product online



Order description	D [mm]	d [mm]	L [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Self-drilling shutter screw RD-1 4.2x9 full steel	9.5	6.8	9.0	1000		2289021601	4061245081946
Self-drilling shutter screw type RD-1 4.2x9 yellow	9.5	6.8	9.0	1000		2289121602	4061245041322
Self-drilling shutter screw RD-2 4.2x13 full steel	10.5	7.4	13.0	1000		2289022601	4061245081946
Self-drilling shutter screw type RD-2 4.2x13 red	10.5	7.4	13.0	1000		2289122602	4061245041315
Self-drilling shutter screw type RD-3 4.2x12 white	12.0	8.4	12.0	1000		2289123602	4061245041308
Self-drilling shutter screw RD-4 4.2x10 full steel	11.0	8.6	10.0	1000		2289024601	4061245081953
Self-drilling shutter screw type RD-4 4.2x10 blue	11.0	8.6	10.0	1000		2289124602	4061245041292
Self-drilling shutter screw RD-5 4.2x13 full steel	11.0	8.4	13.0	1000		2289025601	4061245081960
Self-drilling shutter screw type RD-5 4.2x12 green	11.0	8.4	12.0	1000		2289125602	4061245041285
Self-drilling shutter screw type RD-6 4.2x12 yellow	9.5	6.8	12.0	1000		2289126602	4061245041278

**Order information:** Further versions upon request.

## Coupling screw MS



### Application range

- > Coupling of window and door profiles with reinforced steel

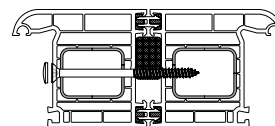
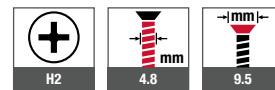
### Properties

- > Case-hardened steel
- > Including white RAL 9010 push-on caps

### Installation process

- > Pre-drill component 1 with min. 5 to max. 6 mm
- > Pre-drill component 2 with 4 mm
- > Position on the already mounted element and align
- > Then fasten with EJOT coupling screw type MS

### Technical specifications



Component 1      Component 2

Cross references	page
Bit cross recess H2	32

### Product online



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
<b>zinc-plated, blue passivated</b>					
Coupling screw MS 4.8x55	55	100		2200555601	4061245041636
Coupling screw MS 4.8x65	65	100		2200565601	4061245041629
Coupling screw MS 4.8x80	80	100		2200580601	4061245041612
Coupling screw MS 4.8x95	95	100		2200595601	4061245041605
<b>Order information: Including white RAL 9010 push-on caps</b>					



## Window screw type E/Zyl.



### Application range

- > Fixing of, for example, top shutter boxes and sheathing

### Properties

- > Case-hardened steel
- > With single-start thread

### Technical specifications



Cross references	page
Bit cross recess H2	32

### Product online



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
<b>zinc-plated, blue passivated</b>					
Window screw type E/Zyl. 4.2x16	16	1000		2234416601	4061245041483
Window screw type E/Zyl. 4.2x30	30	1000		2234430601	4061245041476
Window screw type E/Zyl. 4.2x55	55	1000		2234455601	4061245041469

## Carrying strap screw



### Application range

- > Use in combination with EJOT window carrying strap

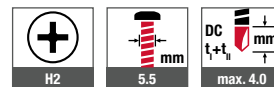
### Properties

- > Case-hardened steel

### Note

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

### Technical specifications



Cross references	page
Bit cross recess H2	32
Carrying strap for windows	21

### Product online



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
<b>zinc-plated, blue passivated</b>					
Carrying strap screw 5.5x22.5	22.5	500		7284062601	4061245040493

## Carrying strap for windows

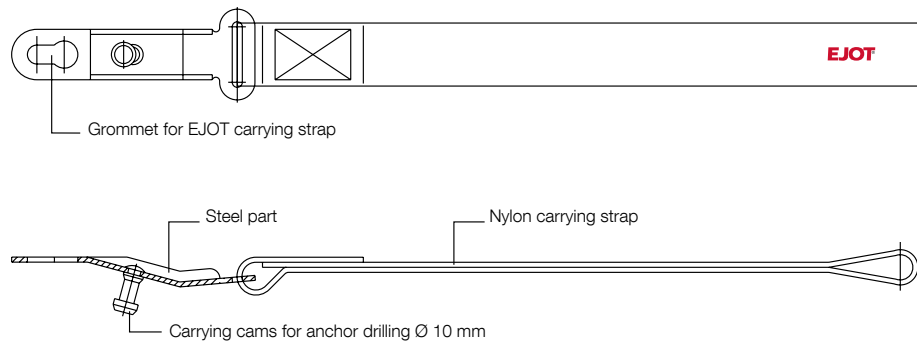


### Application range

- > For carrying window elements
- > Can also be used in combination with EJOT window carrying strap screw
- > Carrying cams of the EJOT carrying strap are inserted into the anchor hole  $\varnothing$  10 mm
- > Grommet is placed on the EJOT carrying strap screw
- > Fastening in the anchor hole  $\varnothing$  10 mm

### Properties

- > Bearing load of carrying cams with anchor hole 10 mm max. 80 kg
- > Bearing load with carrying strap screw max. 320 kg
- > Nylon carrying strap



Cross references	page
Carrying strap screw	20

### Product online



Order description	Length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Carrying strap for windows, lockable	360	1		9000060086	4061245046808

## Frame anchor type RA-P



Cross references	page
Bit hexalobular TX30	33
Hammer drill SDS plus®	31
Precision drill bit HSS	34

### Application range

- > Direct fastening of plastic windows in masonry and concrete, without any anchors
- > Efficient spaced fixing of windows and doors
- > Installation according to the RAL quality association guidelines for windows and doors

### Properties

- > Burglar-resistant (RC2), tested on steel-free plastic windows
- > Tested as fastening element according to the ETB guidelines "Building components which protect against falling from heights"
- > Reduced forming moulding and exact fit due to perfect thread geometry
- > Fast installation, reliable anchoring
- > Including white RAL 9010 push-on caps
- > Case-hardened steel
- > In the case of steel-reinforced windows, it is possible to dispense with pressure-resistant backing at the sides

### Installation process

- > Drill Ø 6.2 mm frame holes, in-plant or on site, spacing acc. to RAL quality assessment
- > Align frame thoroughly in masonry opening
- > Drill holes into stone, for Ø refer to table, drill hole depth = installation depth + 10 mm
- > Fasten the EJOT frame anchors
- > Push on cap if necessary

### Edge distances

It is a special benefit of the EJOT frame anchors that they have virtually no expansion. Therefore, significantly smaller edge distances are possible than with conventional anchors. Please note the information given by the wall material manufacturer. Without specification given by the wall material manufacturer, we recommend a minimum edge distance of 50 mm for the EJOT frame anchors.

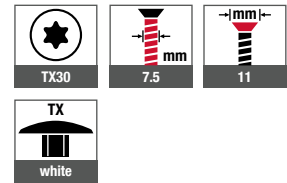
### Note

For the installation of burglar-resistant or anti-fall devices, special assembly instructions apply!  
[www.ejot.com/window-and-glass-facade-technology](http://www.ejot.com/window-and-glass-facade-technology)

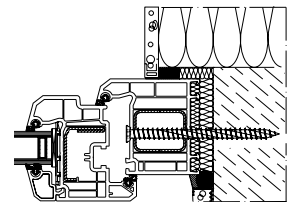
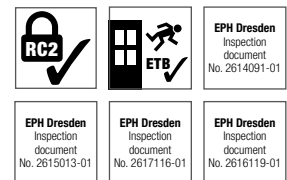
### Applications



### Technical specifications



### Certifications



Building materials	Installation depth ≥ [mm]
concrete	30
Sand-lime brick, solid brick	40
Vertically perforated brick, lightweight concrete, pumice, aerated concrete	60
Soft wood	60
Hard wood	40

Building materials	Pre-drilling diameter [mm]	Drilling method
Steel, t = 2 mm	6.2	Rotary drilling
Steel, t = 4 mm	6.5	Rotary drilling
Concrete ≥ C12/15, Solid sand-lime brick, solid brick	6.0	Hammer drilling
Perforated sand-lime brick, Hollow block, hard wood	6.0	Rotary drilling
Vertically perforated brick ≥ Plan T12	5.0	Rotary drilling
Aerated concrete ≥ PP4	Omitted	Omitted

### Product online



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
<b>zinc-plated, blue passivated</b>					
Frame anchor type RA-P-7.5x40	40	100		2231040601	4061245013060
Frame anchor type RA-P-7.5x60	60	100		2231060601	4061245013053
Frame anchor type RA-P-7.5x70	70	100		2231070601	4061245013046
Frame anchor type RA-P-7.5x80	80	100		2231080601	4061245013039
Frame anchor type RA-P-7.5x90	90	100		2231090601	4061245013022
Frame anchor type RA-P-7.5x100	100	100		2231100601	4061245013015
Frame anchor type RA-P-7.5x120	120	100		2231120601	4061245013008
Frame anchor type RA-P-7.5x135	135	100		2231135601	4061245012995
Frame anchor type RA-P-7.5x150	150	100		2231150601	4061245012988
Frame anchor type RA-P-7.5x180	180	100		2231180601	4061245012971
Frame anchor type RA-P-7.5x210	210	100		2231210601	4061245012964
Frame anchor type RA-P-7.5x250	250	50		2231250601	4061245012957
Frame anchor type RA-P-7.5x300	300	50		2231300601	4061245012940

Other colours for cover caps available on request



## Frame anchor type RA-U



Cross references	page
Bit hexalobular TX30	33
Hammer drill SDS plus®	31
Precision drill bit HSS	34

### Application range

- > Direct fastening of plastic and wooden windows in masonry and concrete, without any anchors
- > Efficient spaced fixing of windows and doors
- > Installation according to the RAL quality association guidelines for windows and doors

### Properties

- > Burglar-resistant (RC2), tested on steel-free plastic windows
- > Reduced forming moulding and exact fit due to perfect thread geometry
- > Fast installation, reliable anchoring
- > Including white RAL 9010 push-on caps
- > All-purpose for various window materials
- > Case-hardened steel
- > In the case of steel-reinforced windows, it is possible to dispense with pressure-resistant backing at the sides

### Installation process

- > Drill Ø 6.2 mm frame holes, in-plant or on site, spacing acc. to RAL quality assessment
- > Align frame thoroughly in masonry opening
- > Drill holes into stone, for Ø refer to table, drill hole depth = installation depth + 10 mm
- > Fasten the EJOT frame anchors
- > Push on cap if necessary

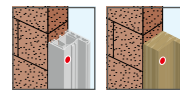
### Edge distances

It is a special benefit of the EJOT frame anchors that they have virtually no expansion. Therefore, significantly smaller edge distances are possible than with conventional anchors. Please note the information given by the wall material manufacturer. Without specification given by the wall material manufacturer, we recommend a minimum edge distance of 50 mm for the EJOT frame anchors.

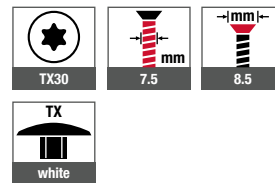
### Note

For the installation of burglar-resistant or anti-fall devices, special assembly instructions apply!  
[www.ejot.com/window-and-glass-facade-technology](http://www.ejot.com/window-and-glass-facade-technology)

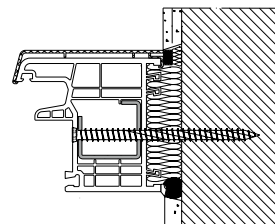
### Applications



### Technical specifications



### Certifications



Building materials	Installation depth ≥ [mm]
concrete	30
Sand-lime brick, solid brick	40
Vertically perforated brick, lightweight concrete, pumice, aerated concrete	60
Soft wood	60
Hard wood	40

Building materials	Pre-drilling diameter [mm]	Drilling method
Steel, t = 2 mm	6.2	Rotary drilling
Steel, t = 4 mm	6.5	Rotary drilling
Concrete ≥ C12/15, Solid sand-lime brick, solid brick	6.0	Hammer drilling
Perforated sand-lime brick, Hollow block, hard wood	6.0	Rotary drilling
Vertically perforated brick ≥ Plan T12	5.0	Rotary drilling
Aerated concrete ≥ PP4	Omitted	Omitted

### Product online



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
<b>zinc-plated, blue passivated</b>					
Frame anchor type RA-U-7.5x40	40	100		2261040601	4061245012865
Frame anchor type RA-U-7.5x60	60	100		2261060601	4061245012858
Frame anchor type RA-U-7.5x70	70	100		2261070601	4061245012841
Frame anchor type RA-U-7.5x80	80	100		2261080601	4061245012834
Frame anchor type RA-U-7.5x100	100	100		2261100601	4061245012827
Frame anchor type RA-U-7.5x120	120	100		2261120601	4061245012810
Frame anchor type RA-U-7.5x135	135	100		2261135601	4061245012803
Frame anchor type RA-U-7.5x150	150	100		2261150601	4061245012797
Frame anchor type RA-U-7.5x180	180	100		2261180601	4061245012780
Frame anchor type RA-U-7.5x210	210	100		2261210601	4061245012773
<b>Other colours for cover caps available on request</b>					

## Frame anchor type SA-H



Cross references	page
Bit hexalobular TX25	33
Hammer drill SDS plus®	31
Precision drill bit HSS	34

### Application range

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

### Properties

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

### Installation process

- > Drill Ø 6.2 mm frame holes, in-plant or on site, spacing acc. to RAL quality assessment
- > Align frame thoroughly in masonry opening
- > Drill holes into stone, for Ø refer to table, drill hole depth = installation depth + 10 mm
- > Fasten the EJOT frame anchors

### Edge distances

It is a special benefit of the EJOT frame anchors that they have virtually no expansion. Therefore, significantly smaller edge distances are possible than with conventional anchors. Please note the information given by the wall material manufacturer. Without specification given by the wall material manufacturer, we recommend a minimum edge distance of 50 mm for the EJOT frame anchors.

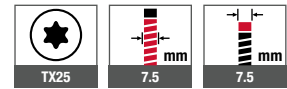
### Note

For the installation of burglar-resistant or anti-fall devices, special assembly instructions apply!  
[www.ejot.com/window-and-glass-facade-technology](http://www.ejot.com/window-and-glass-facade-technology)

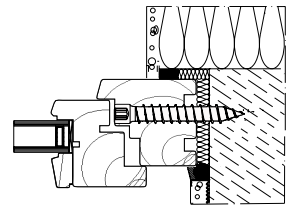
### Applications



### Technical specifications



### Certifications



Building materials	Installation depth ≥ [mm]
concrete	30
Sand-lime brick, solid brick	40
Vertically perforated brick, lightweight concrete, pumice, aerated concrete	60
Soft wood	60
Hard wood	40

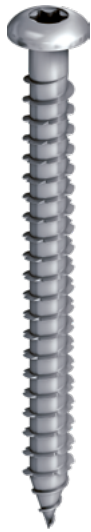
Building materials	Pre-drilling diameter [mm]	Drilling method
Steel, t = 2 mm	6.2	Rotary drilling
Steel, t = 4 mm	6.5	Rotary drilling
Concrete ≥ C12/15, Solid sand-lime brick, solid brick	6.0	Hammer drilling
Perforated sand-lime brick, Hollow block, hard wood	6.0	Rotary drilling
Vertically perforated brick ≥ Plan T12	5.0	Rotary drilling
Aerated concrete ≥ PP4	Omitted	Omitted

### Product online



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
<b>zinc-plated, blue passivated</b>					
Frame anchor type SA-H-7.5x60	60	100		2249060601	4061245012933
Frame anchor type SA-H-7.5x80	80	100		2249080601	4061245012926
Frame anchor type SA-H-7.5x100	100	100		2249100601	4061245012919
Frame anchor type SA-H-7.5x120	120	100		2249120601	4061245012902
Frame anchor type SA-H-7.5x135	135	100		2249135601	4061245012896
Frame anchor type SA-H-7.5x150	150	100		2249150601	4061245012889
Frame anchor type SA-H-7.5x180	180	100		2249180601	4061245012872
Frame anchor type SA-H-7.5x250	250	50		2249250601	4061245081977
Frame anchor type SA-H-7.5x300	300	50		2249300601	4061245081984
<b>Push-on caps available upon request</b>					

## Frame anchor type RA-Z



Cross references	page
Bit hexalobular TX30	33
Hammer drill SDS plus®	31
Precision drill bit HSS	34

### Application range

- > Direct fastening of plastic and wooden windows in masonry and concrete, without any anchors
- > Especially suited for PVC outer frame without reinforcing steel rods
- > Efficient spaced fixing of windows and doors
- > Installation according to the RAL quality association guidelines for windows and doors

### Properties

- > Sleek and broad supported head (Ø12 mm)
- > Burglar-resistant (RC2), tested on steel-free plastic windows
- > Tested as fastening element according to the ETB guidelines "Building components which protect against falling from heights"
- > Reduced forming moulding and exact fit due to perfect thread geometry
- > Fast installation, reliable anchoring
- > Case-hardened steel
- > In the case of steel-reinforced windows, it is possible to dispense with pressure-resistant backing at the sides

### Installation process

- > Drill Ø 6.2 mm frame holes, in-plant or on site, spacing acc. to RAL quality assessment
- > Align frame thoroughly in masonry opening
- > Drill holes into stone, for Ø refer to table, drill hole depth = installation depth + 10 mm
- > Fasten the EJOT frame anchors

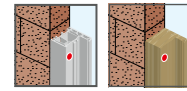
### Edge distances

It is a special benefit of the EJOT frame anchors that they have virtually no expansion. Therefore, significantly smaller edge distances are possible than with conventional anchors. Please note the information given by the wall material manufacturer. Without specification given by the wall material manufacturer, we recommend a minimum edge distance of 50 mm.

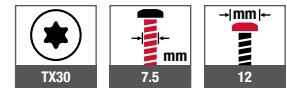
### Note

For the installation of burglar-resistant or anti-fall devices, special assembly instructions apply!  
[www.ejot.com/window-and-glass-facade-technology](http://www.ejot.com/window-and-glass-facade-technology)

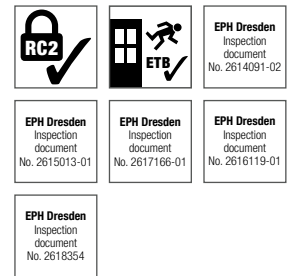
### Applications



### Technical specifications



### Certifications



Building materials	Installation depth ≥ [mm]
concrete	30
Sand-lime brick, solid brick	40
Vertically perforated brick, lightweight concrete, pumice, aerated concrete	60
Soft wood	60
Hard wood	40

Building materials	Pre-drilling diameter [mm]	Drilling method
Steel, t = 2 mm	6.2	Rotary drilling
Steel, t = 4 mm	6.5	Rotary drilling
Concrete ≥ C12/15, Solid sand-lime brick, solid brick	6.0	Hammer drilling
Perforated sand-lime brick, Hollow block, hard wood	6.0	Rotary drilling
Vertically perforated brick ≥ Plan T12	5.0	Rotary drilling
Aerated concrete ≥ PP4	Omitted	Omitted

### Product online



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
<b>zinc-plated, blue passivated</b>					
Frame anchor RA-Z-7.5x40	40	100		2271040601	4061245073149
Frame anchor RA-Z-7.5x60	60	100		2271060601	4061245073156
Frame anchor RA-Z-7.5x80	80	100		2271080601	4061245073163
Frame anchor RA-Z-7.5x100	100	100		2271100601	4061245073170
Frame anchor RA-Z-7.5x120	120	100		2271120601	4061245012766
Frame anchor RA-Z-7.5x150	150	100		2271150601	4061245012759
Frame anchor RA-Z-7.5x180	180	100		2271180601	4061245012742
Frame anchor RA-Z-7.5x210	210	100		2271210601	4061245012735
Frame anchor RA-Z-7.5x250	250	50		2271250601	4061245012728
Frame anchor RA-Z-7.5x300	300	50		2271300601	4061245012711
Frame anchor RA-Z-7.5x350	350	50		2271350601	4061245075815
Frame anchor RA-Z-7.5x400	400	50		2271400601	4061245075822

# Machinery Spare Parts Tools

## Hammer drill SDS plus®



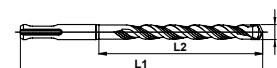
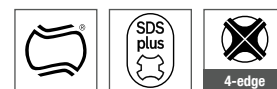
### Application range

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

### Benefits

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

### Technical specifications



### Product online



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

Further lengths upon request





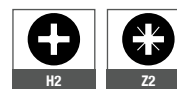
## Bit cross recess



### Application range

- > For use in the flat roof area
- > For use in the window and Glass Facade area

### Technical specifications

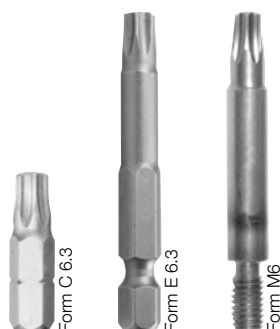


### Product online



Order description	Drive and Size	Length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
<b>Drive: 1/4" hexagon DIN/ISO 1173 - form C 6.3</b>						
PH2-1/4"/Cx25	H2	25	1		9250474000	4050623100232
PZ2-1/4"/Cx25	Z2	25	1		9250473000	4061245054254
<b>Drive: 1/4" hexagon DIN/ISO 1173 - form E 6.3</b>						
PH2-1/4"/Ex50	H2	50	1		9250709000	4050623102281
PH2-1/4"/Ex200	H2	200	1		9200000200	4061245021058
PH2-1/4"/Ex350	H2	350	1		9200000350	4061245021065
<b>Drive: threaded connection M6</b>						
PH2-M6x35	H2	35	1		9250612000	4061245021027

## Bit hexalobular TX



### Application range

> For fastening of all EJOT fasteners with drive hexalobular TX

### Technical specifications



Order description	Drive and Size	Length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
<b>Drive: 1/4" hexagon DIN/ISO 1173 - E 6.3</b>						
TX20-1/4"/Cx25	TX20	25	1		9150010000	4050623100553
TX20W-1/4"/Cx25*	TX20W	25	1		9150008000	4050623100744
TX25-1/4"/Cx25	TX25	25	1		9150009000	4061245021072
TX25W-1/4"/Cx25*	TX25W	25	1		9150003000	4061245021102
TX30-1/4"/Cx25	TX30	25	1		9250431000	4050623100584
TX30W-1/4"/Cx25*	TX30W	25	1		9250431002	4050623100775
TX40-1/4"/Cx25	TX40	25	1		9250480000	4050623100591
<b>Drive: 1/4" hexagon DIN/ISO 1173 - E 6.3</b>						
TX25HF-1/4"/Ex50**	TX25	50	1		9506008401	4013288106926
TX30-1/4"/Ex50	TX30	50	1		9250431001	4050623102670
TX30-1/4"/Ex200	TX30	200	1		9253014200	4039161010975
TX30-1/4"/Ex350	TX30	350	1		9253014350	4061245021096
<b>Drive: threaded connection M 6</b>						
TX25-M6x33	TX25	33	1		9250251425	4061245021089
TX30-M6x33	TX30	33	1		9250251430	4050623103936

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

\*\*Bit with holding function for unpainted screws

### Product online



## Precision drill bit HSS


**Application range**

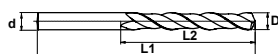

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- > For structural steel

**Properties**


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- > Form S
- > Short spiral groove


**Product online**


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Order description	D [mm]	L1 [mm]	Rotation speed [rpm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
S 4.1/55 drill bit	4.1	55	1000	10		9250405000	4031093054782
S 4.5/60 drill bit	4.5	60	900	10		9250434000	4031093054904
S 4.5/175 drill bit	4.5	175	900	10		9250436000	4061245020136
S 4.5/235 drill bit	4.5	235	900	10		9250450235	4031093070973
S 4.5/295 drill bit	4.5	295	900	10		9250450295	4031093071550
Drill bit S 5.0/60	5.0	60	900	10		9250409000	4061245020280
S 5.0/125 drill bit	5.0	125	900	10		9250411000	4061245020273
S 5.0/220 drill bit	5.0	220	900	10		9250413000	4061245020266
S 5.0/250 drill bit	5.0	250	900	10		9250414000	4061245020259
S 5.1/62 drill bit	5.1	62	900	10		9250439000	4031093055093
S 5.3/60 drill bit	5.3	60	800	10		9250415000	4061245020242
S 5.3/125 drill bit	5.3	125	800	10		9250417000	4061245020235
S 5.3/220 drill bit	5.3	220	800	10		9250419000	4061245020228
S 5.3/290 drill bit	5.3	290	800	10		9250438000	4061245020129
S 5.5/65 drill bit	5.5	65	750	10		9250420000	4061245020211
S 5.5/125 drill bit	5.5	125	750	10		9250422000	4061245020204
S 5.5/220 drill bit	5.5	220	750	10		9250423000	4061245020198
S 5.5/290 drill bit	5.5	290	750	10		9250424000	4061245020181
S 5.7/65 drill bit	5.7	65	700	10		9250425000	4061245020174
S 5.7/125 drill bit	5.7	125	700	10		9250427000	4061245020167
S 5.7/220 drill bit	5.7	220	700	10		9250429000	4061245020150
S 5.7/290 drill bit	5.7	290	700	10		9250433000	4031093438230
S 6.2/101 drill bit	6.2	101	600	10		9250620101	4061245081113
S 6.5/101 drill bit	6.5	101	600	10		9250650101	4061245081120
S 6.8/75 drill bit	6.8	75	600	10		9250430000	4061245020143
S 6.8/225 drill bit	6.8	225	600	10		9250510000	4061245020051
S 6.8/325 drill bit	6.8	325	600	10		9250680325	4061245020044



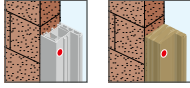


Order description	D [mm]	L1 [mm]	Rotation speed [rpm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
S 7.0/125 drill bit	7.0	125	600	10		9250499000	4061245020082
S 7.0/225 drill bit	7.0	225	600	10		9250493000	4061245020112
S 7.0/325 drill bit	7.0	325	600	10		9250700325	4061245020037
S 7.2/125 drill bit	7.2	125	600	10		9250504000	4061245020075
S 7.2/225 drill bit	7.2	225	600	10		9250494000	4061245020105
S 7.2/325 drill bit	7.2	325	600	10		9250720325	4061245019970
S 7.4/125 drill bit	7.4	125	600	10		9250506000	4061245020068
S 7.4/225 drill bit	7.4	225	600	10		9250497000	4061245020099
S 7.4/325 drill bit	7.4	325	600	10		9250740325	4061245019963

# Product and note charts

## Applications

### Windows and Glass Facades



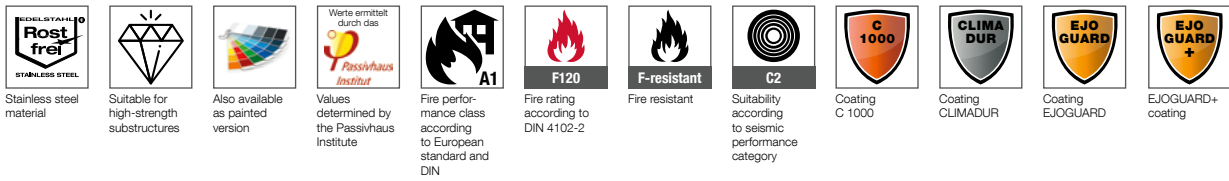
Fastening of PVC windows in masonry/ concrete

Fastening of wooden windows in masonry/ concrete

## Technical data | Certifications | Other

### Technical specifications

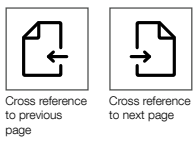
 Drilling capacity $t_1 + t_2$ 1.0 + 1.0	 Drilling capacity $t_1$ 1.0	 Drilling capacity $t_2$ 1.0	 Installation rotation speed max. 1,800	 Screw with swarf-reducing point	 Clamping thickness screw 0 - 4	 Diameter Hexagon head 16	 Diameter Countersunk head 7.5	 Diameter Countersunk head with flange 12.0	 Diameter Pan head 12.0	 Diameter LT Pan head 12.0	 Diameter LT Pan head with cutting ring 12.0
 Diameter Truss head 12.0	 Diameter Cylinder head 12.0	 Height hexagon head 2.0	 Height LT pan head 13	 Height LT pan head with cutting ring 13	 Height truss head 13	 Height flat head 13	 Screw diameter with Hexagon head 4.8	 Screw diameter with countersunk head 4.8	 Screw diameter with STS countersunk head 4.8	 Screw diameter with pan head 4.8	 Screw diameter with LT pan head 4.8
 Screw diameter with LT pan head with cutting ring 4.8	 Screw diameter with truss head 4.8	 Screw diameter with flat head 4.8	 End mill	 Wing drill screw	 Flange head diameter 13	 Undercut 5	 High thread diameter 6.3	 Length non-threaded part Hexagon head screw 5	 Length non-threaded part LT pan head screw 13	 Length non-threaded part LT-XT pan head screw 13	 Diameter rivet setting head 9.5
 Height rivet setting head 1.5	 Diameter riveting mandrel 2.7	 Diameter rivet shaft 4.8	 Drill hole diameter rivet $d_0$ mm 4.9	 Push-on cap white	 Centring grommet	 Effective shaft length 13	 Flat roofing anchor diameter 8.0	 Flat roof stress plate diameter 50	 Clamp thickness metal anchor $t_{ax}$ mm 15	 Set screw diameter M12	 Internal thread diameter M8
 Threaded sleeve external diameter 10	 Insulation support anchor shaft diameter 8.0	 Insulation support anchor washer diameter 90	 Nylon anchor diameter 8.0	 Metal anchor diameter 8.0	 Tightening torque $T_{inst}$ Nm 60	 Drive SDS plus®	 Drill with 4-cutting edge geometry 4-edge	 PGM Masonry Drill Bit Certification Board	 Sealing washer size and material E16	 Drive cross recess H H2	 Drive external cross recess H H2
 Drive cross recess Z Z2	 Drive external cross recess Z Z2	 Drive internal square 5	 Drive external square 5	 Drive external triangular Triangular	 Drive external hexagon SW8	 Drive internal hexagon SW8	 Drive external hexagon/hex-alobular SW13/TX40	 Drive hexalobular TX25	 Drive external hexalobular TX25	 Nominal drill diameter $d_{nom}$ mm 10	 Drill hole diameter $d_0$ mm 10
 Drill hole depth $h_f$ mm 10	 Drill hole depth $t$ mm 10	 Nominal embedment depth $h_{nom}$ mm $\geq 70$	 Effective anchorage depth $h_e$ mm $\geq 50$	 Embedment depth $h_f$ mm $\geq 70$	 Through hole component I $d_0$ mm 10	 Slip resistance due to telescopic system	 Slip resistance through support	 Checked fastening element acc. to ETB guideline	 Resistance class of burglar-resistant components RC2	 Waterproof	 Protect from moisture



### Certifications



### Other



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