



## EJOFAST



## EJOFAST® self-drilling screws

Unique screw point geometry  
without classic cutting edge

Bringing it together.



## Next generation of self-drilling screws

Mechanical connection of components rethought

**Fastening technology includes numerous products that enable a strong connection of components. The areas of application are just as diverse as the available fastening solutions. There is a suitable product for every requirement and the focus is always on the reliability of the connection.**

The screw connection as a mechanical fastening solution is still the classic method for connecting components to one another. Screws create a secure connection between two components using different modes of operation.

### Two types of screws

A distinction is made between self-tapping and self-drilling screws:

Self-tapping screws are sealing screws without drilling point. A pre-drilled hole is required here into which the screw is inserted. A hole thus has to be drilled into the components with a metal drill in a separate work step.

Self-drilling screws feature a drill point with a cutting edge, so there is no need to pre-drill here. In just one work step, a hole is drilled, the female thread is formed and the components are fastened. Thus, the effort can be reduced and the assembly time can be improved, since only one tool is required for fastening.

## Clean installation

### Sharp-edged swarf belong to the past

Usually, swarf is produced during the creation of the drill hole no matter if a self-drilling screw with classic cutting edge or a self-tapping screw is installed. This swarf must be removed in a separate work step in order to prevent rusting.

With the new generation of self-drilling screws, this problem is a thing of the past. The slim, single-fluted drill tip of the EJOFAST® self-drilling screws produces no sharp-edged swarf that gets stuck in the material. This makes assembly much more efficient, as cleaning work to remove swarf is significantly reduced.



### Corrosion of drilling swarf

If drilling swarf is not removed from the roof surface, it will begin to corrode and this can lead to complaints.

## Screw types

### Self-tapping screws



Fine pitch thread  
with dog point  
(JZ)

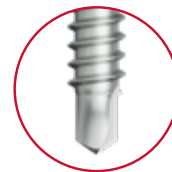


Coarse thread  
with point  
(JA)



Fine pitch thread  
with point  
(JB)

### Self-drilling screws



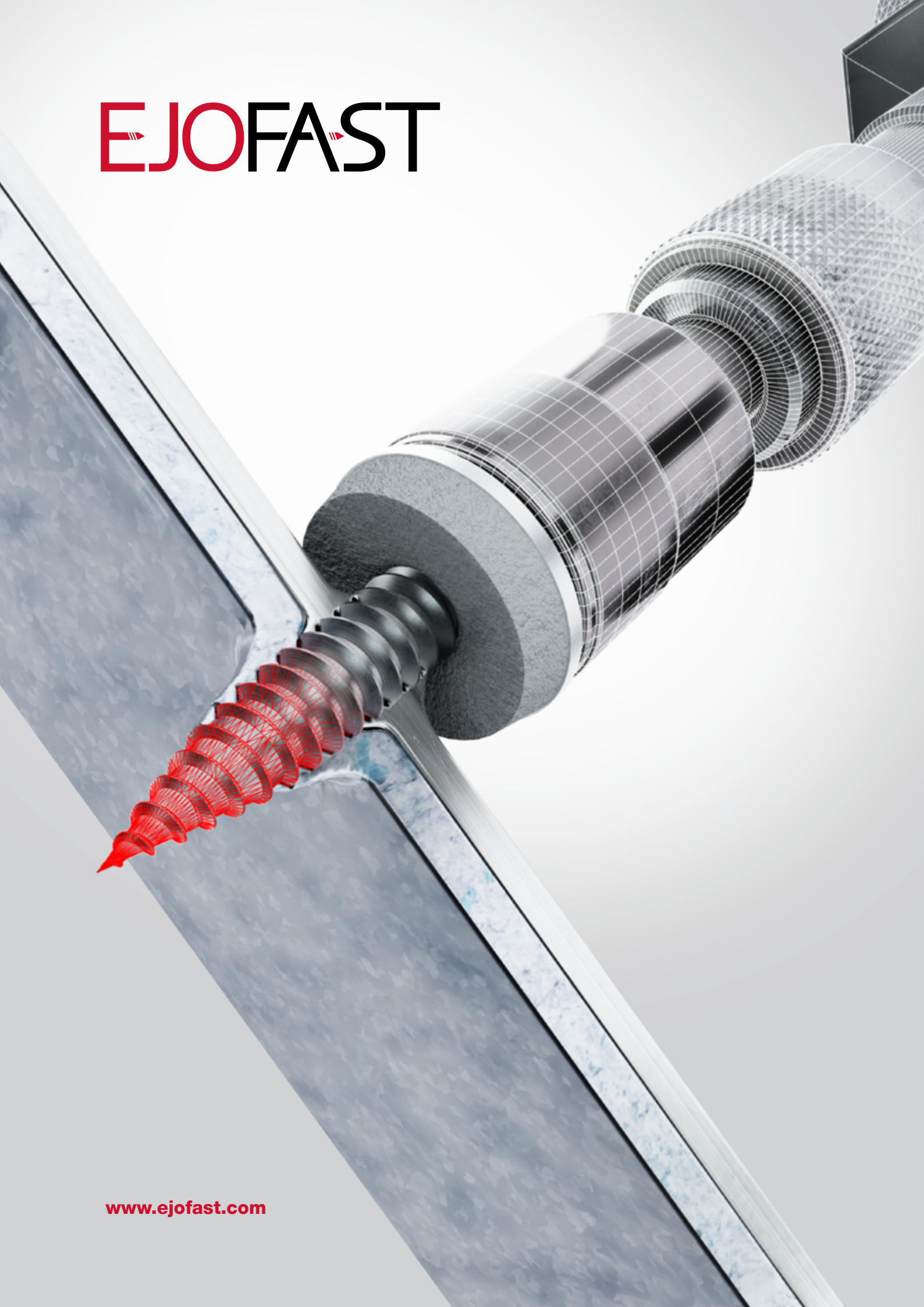
Drill point  
with cutting edge  
(JT)



EJOFAST®  
Spitzengeometrie  
(JF)



# EJOFAST



[www.ejofast.com](http://www.ejofast.com)

# EJOFAST® self-drilling screws

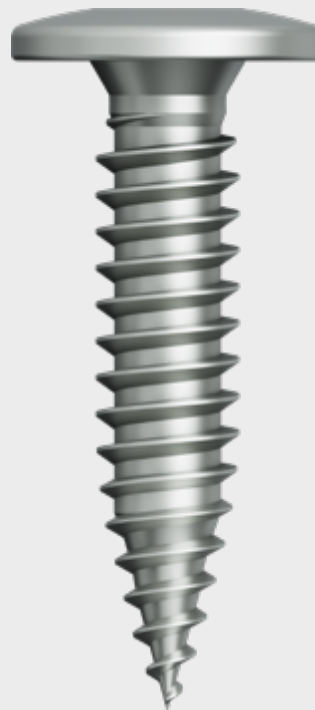
## Unique screw point geometry without classic cutting edge

Due to the unique screw point geometry and the special thread form, the EJOFAST® screw not only fastens with reduced swarf and at high speed, it also features excellent clamping properties.

Thanks to the extremely thin point, the EJOFAST® screw can be precisely positioned on the surface. Displacement or slipping is almost impossible. The risk of scratching the surface coating is significantly reduced.

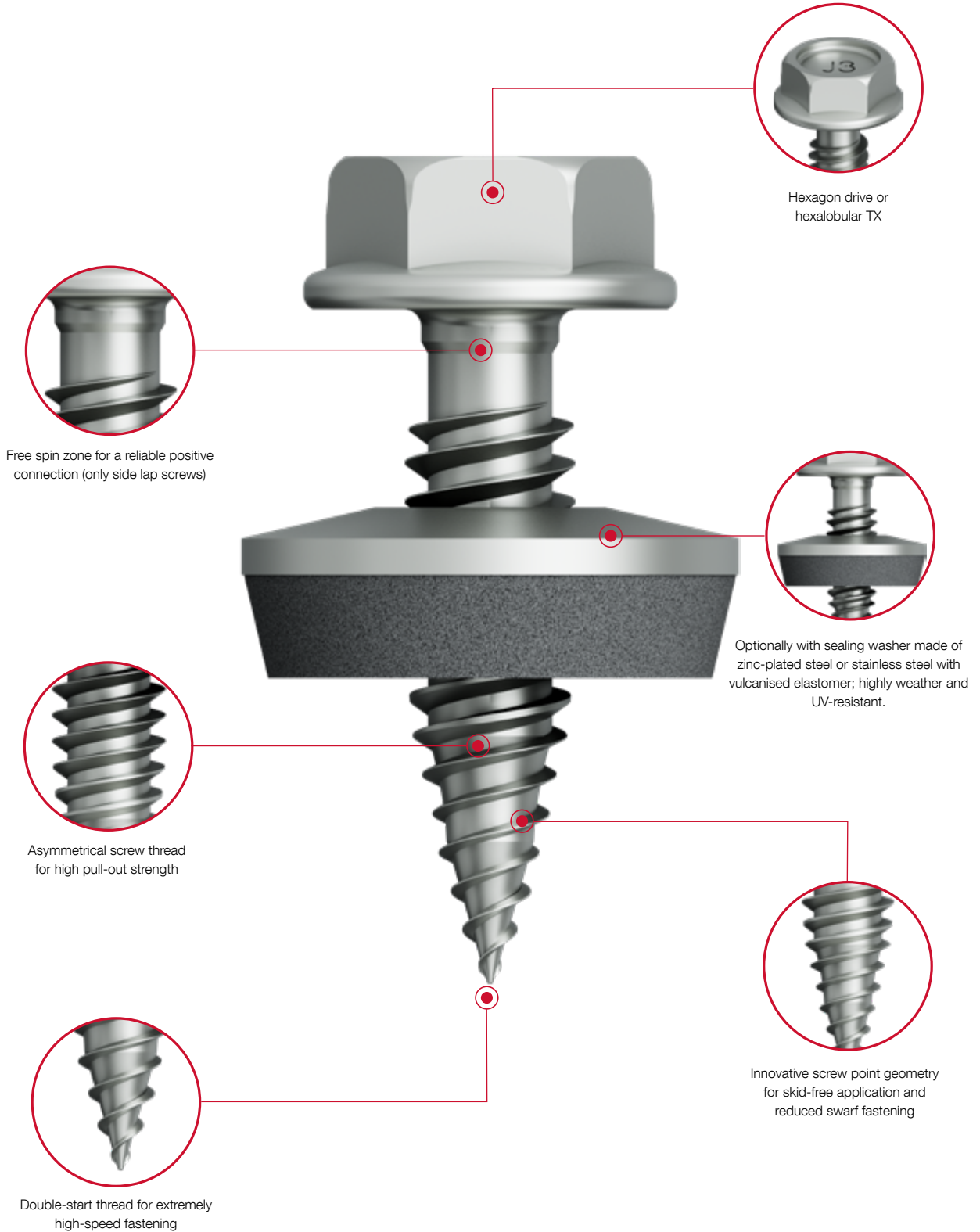
### All advantages at a glance

- > **Fastening with reduced swarf**  
Reduced cleaning effort
- > **High installation security**  
Thanks to proven free spin zone  
(for side lap screws)
- > **High installation speed**  
Thanks to special thread form
- > **High load-carrying capacity**  
For more safety
- > **Skid-free application**  
Thanks to unique screw point geometry, thus  
no damage to the surface



# Clever & Clean

The EJOFAST® self-drilling screw in detail



# Focus on thin metal components

For a wide range of applications

## On the roof



## At the facade



## For solar applications







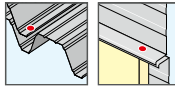
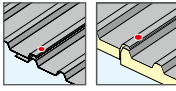
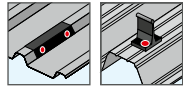








## For air conditioning/ventilation technology



### Application examples

- > Fastening of profiled sheets and sandwich panels
- > Side lap stitching
- > Fastening smoke deflectors, edge parts and cladding
- > Fixing standing seam systems
- > Attaching support profiles for solar modules
- > Fastening common cladding panels
- > Fixing small metal shingles
- > Fixing air ducts

Product overview EJOFAST® self-drilling screws

Type	JF2-2-4.2	JF2-2H-4.8	JF3-2H-4.8	JF3-2-5.5	JF3-FR-2-5.5
					
Material	Case-hardened steel, zinc-plated		A2 stainless steel with hardened steel drill point		
Applications	 Fixing steel air ducts	 Side lap stitching of profiled steel sheets	 Side lap stitching of profiled steel / aluminium sheets and sandwich panels	 Fastening components and brackets to thin-walled metal profiles for photovoltaic installations	
Max. drilling capacity steel [mm]	0.75 + 0.75	0.88 + 0.88		1.0 + 1.0	
Clamp thickness $t_{fix}$ longest length [mm]	0 - 8	0 - 9	0 - 4	0 - 17	0 - 7
Screw length [mm]	13, 16	19		25, 35	25
Drive	AF7	AF8			TX25
Sealing washer combinations	-	-	E14	E16	E11
Certifications	-	ETA-10/0200	ETA-10/0200	ETA-10/0200 Z-14.4-426	ETA-10/0200 Z-14.4-426
Tools	 socket wrench insert	 socket wrench insert	 socket wrench insert	 socket wrench insert	 FR-Tool
QR code for the online shop					

ORKAN storm washers for EJOFAST® self-drilling screws






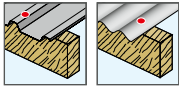
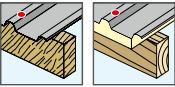














**ORKAN storm washers (trapezoidal / corrugated)**

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



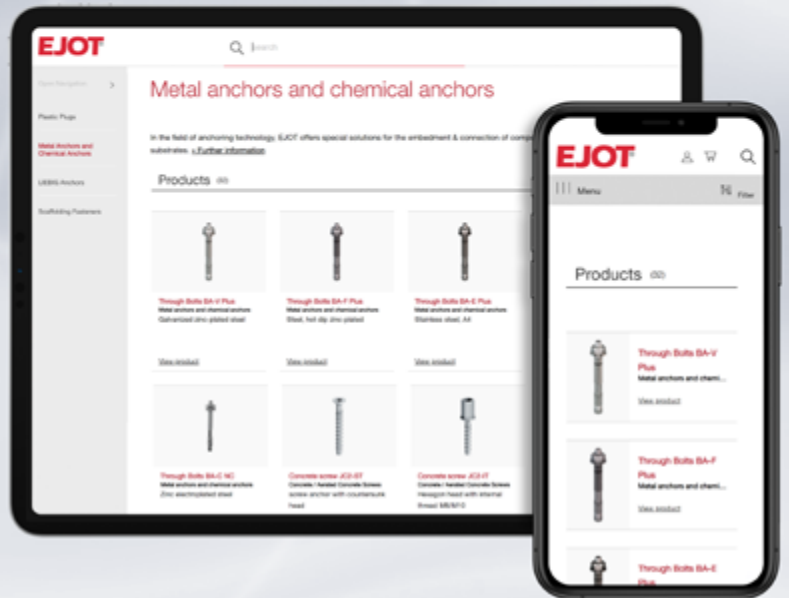


JF3-Plus-4,9	JF3-Plus-FR-4,9	JF3-Plus-6,8	JF3-LT-2-5.5 KD12	JF3-LT-2-5.5 KD16	Type
					
A2 stainless steel with hardened steel drill point					Material
					Applications
Fastening profiled steel or aluminium sheets to timber substructure		Fastening profiled steel or aluminium sheets and sandwich panels to timber substructure	Fastening small metal shingles and brackets to profiled steel sheets	Fastening cladding panels to steel and aluminium substructures	
0.88			1.0 + 1.0	0.4 - 1.5	Max. drilling capacity steel [mm]
-	-	-	-	1.0 - 15	Clamp thickness $t_{ix}$ longest length [mm]
35, 70	35	40 - 300	25	30	Screw length [mm]
AF8	TX25	AF8	TX25		Drive
E16	E11	E16, E19, E22	-	-	Sealing washer combinations
ETA-21/0421	ETA-21/0421	ETA-21/0421 ETA-21/1023	-	ETA-10/0200	Certifications
					Tools
socket wrench insert	FR-Tool	socket wrench insert	LT-Tool	LT-Tool	
					QR code for the online shop





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



# The fastest way to the appropriate EJOT® product

## Discover EJOT Worldwide

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

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



**EJOT Worldwide:**  
[www.ejot.com/construction](http://www.ejot.com/construction)

# We are committed

EJOT® is a member of various trade associations and organisations



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



Deutscher Schraubenverband e. V.  
www.schraubenverband.de



Verband Fenster + Fassade  
www.window.de



Fachverband Werkzeugindustrie e. V.  
www.werkzeug.org



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



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



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



Global Fastener Alliance®  
www.globalfasteneralliance.com



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



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



www.ppa-europe.eu



www.mcrma.co.uk



Österreichischer Fachverband für hinterlüftete Fassaden  
www.oefhf.at



Mitglied im Bundesverband Solarwirtschaft e. V.  
www.solarwirtschaft.de



Schweizerischer Fachverband für hinterlüftete Fassaden  
www.sfhf.ch



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



ARGE Qualitätsgruppe Wärmedämmsysteme  
www.waermedaemmsysteme.at



Österreichische Arbeitsgemeinschaft Putz  
www.oep.at



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



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



## At home in many trades

The EJOT® business areas at a glance

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

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

**Timber Construction**

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

[www.ejot.com/timber-construction](http://www.ejot.com/timber-construction)

**Industrial Lightweight Construction**

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

[www.ejot.com/industrial-lightweight-construction](http://www.ejot.com/industrial-lightweight-construction)

**Solar**

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

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

**Flat Roofing**

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

[www.ejot.com/flat-roofing](http://www.ejot.com/flat-roofing)

**Rear-Ventilated Facades**

Complete substructure system with consoles, screws, anchoring solutions, insulation support anchors and anchors

[www.ejot.com/rear-ventilated-facades](http://www.ejot.com/rear-ventilated-facades)

**Anchoring Technology**

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

[www.ejot.com/anchoring-technology](http://www.ejot.com/anchoring-technology)

**Window and Glass Facade Technology**

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

[www.ejot.com/window-and-glass-facade-technology](http://www.ejot.com/window-and-glass-facade-technology)

**Interior Work**

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

[www.ejot.com/interior-work](http://www.ejot.com/interior-work)

**Fastening solutions for External Thermal Insulation Composite Systems (ETICS)**

Special anchors for fixing insulation on external wall systems

[www.ejot.com/etics-fasteners](http://www.ejot.com/etics-fasteners)

**Mounting Elements for Attachments**

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

[www.ejot.com/etics-mounting-elements](http://www.ejot.com/etics-mounting-elements)

**Profiles for External Thermal Insulation Composite systems (ETICS)**

Profiles for high quality render finishes

[www.ejot.com/etics-profiles](http://www.ejot.com/etics-profiles)



## Fastening solutions for the building industry

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

Striving for high product quality is not an end in itself for EJOT. The customer really benefits from our screws and anchors. Therefore reliable installation also means low failure costs for the customer. Moreover, durable quality joints provide the best protection against expensive customer complaints. This is why our strategic product lines are manufactured according to highest quality standards.

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

Other services include advice over the telephone, application advice on-site, initial sizing, component tests in the EJOT Test Centre and a comprehensive training programme for system providers, architects, specifiers, assemblymen and contractors with the EJOT TEC ACADEMY.

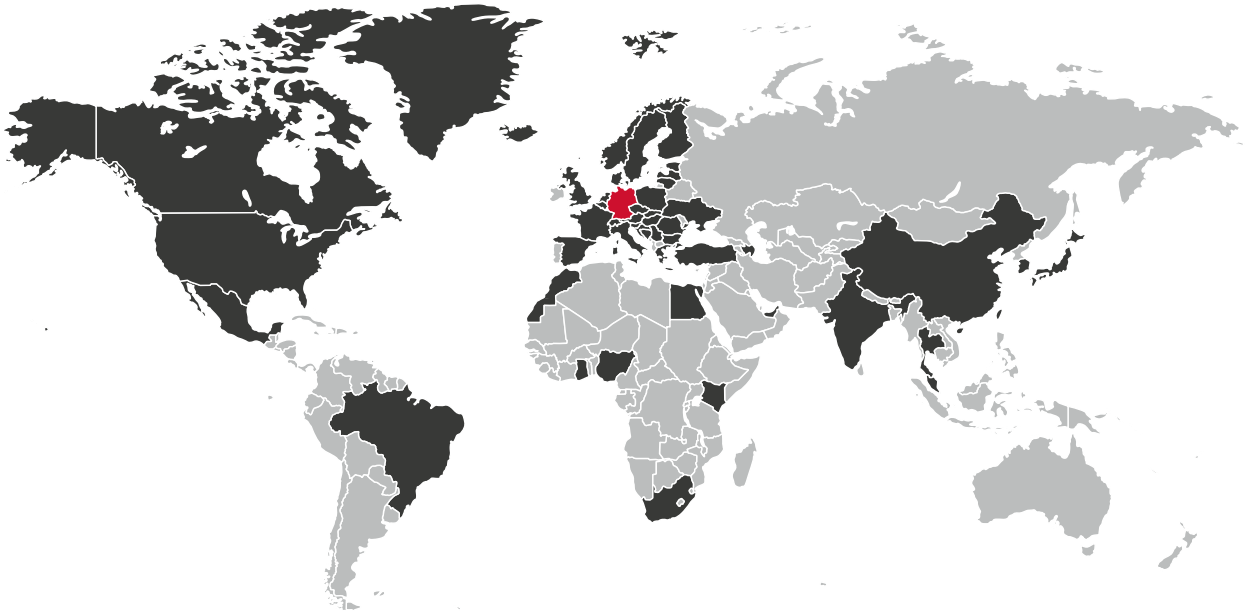
Innovative products are the key to success. We leave nothing to chance. We identify our customers' needs under real conditions on the job site. Communication from the market and about market requirements to the development departments is ensured by a regular exchange between our technical experts and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



**EJOT quality online:**  
[www.ejot.com/quality](http://www.ejot.com/quality)

# The International EJOT® Group

The origin is in Germany, the future in the world



## Locations worldwide

[www.ejot.com/subsidiary\\_selector](http://www.ejot.com/subsidiary_selector)



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



**46 million**  
Screws

In our manufacturing plants around the world, we produce up to 46 million items for construction and industry every day.



**36,000**  
Products

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



**2,100**  
Patents

Our engineers are constantly developing new product solutions that are protected by 2,100 patents.



**1922**  
founded

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



**4,500**  
Employees

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

ENGINEERED IN  
**GERMANY**

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



**EJOT SE & Co. KG**  
**Market Unit Construction**

In der Stockwiese 35  
57334 Bad Laasphe  
T +49 2752 908-0  
F +49 2752 908-731  
construction@ejot.com  
www.ejot.com/construction