



EJOT®

**EJOT®
Solar Fastening
Systems**

EJOT® The Quality Connection

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Imprint

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57334 Bad Laasphe, Germany

Legal notes:

EJOT products are constantly enhanced. They are subject to technical changes, assortment and price changes. During planning and use of our products please comply with accepted engineering rules, planning laws as well as relevant safety regulations. The national technical approvals granted to our products can be downloaded on the Internet at www.ejot-usa.com.

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Cover Picture:

COLEXON Energy AG



COLEXON Energy AG

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EJOT® – your strong partner for fastening solutions in the building and solar industry

Expertise

With over 30 years of experience and development know-how "Made in Germany", we know the needs concerning fastening tasks on building envelopes very precisely. Our knowledge is the base and source of our products and solutions to offer real benefits to our customers.

Quality and efficient assembly

The quality of our products surpasses planning laws and legal requirements.
Our aim is to ensure quick and easy assembly.

Customer-friendly service

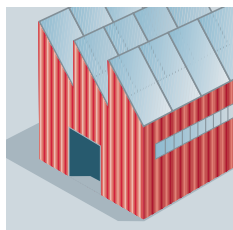
We make a point of building friendly and trustful relationships with our customers. If necessary our employees go directly to the building site. We share our know-how in training seminars.

There for you worldwide

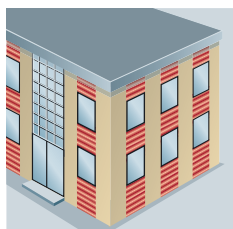
Our worldwide sales and service network with its own companies and partners as well as a worldwide project support team is glad to help our customers at any time.



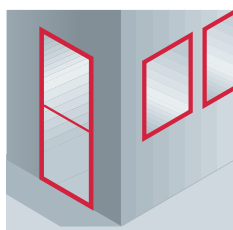
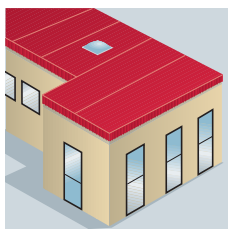
EJOT Building Fasteners: Over 30 years of building envelope expertise



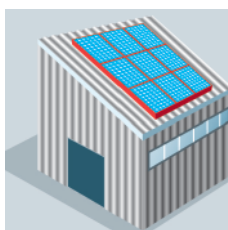
ILB ETICS



VHF FLD



IFF BSA



1. Industrial Lightweight Construction (ILB)

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

2. External Thermal Insulation Composite Systems (ETICS)

Special anchors for fixing insulation on external wall systems

3. Rear Ventilated Facades (VHF)

Fasteners and anchors for fixing substructures and facade fascias of rear ventilated systems

4. Flat Roofing (FLD)

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

5. Industrial Window and Facade Technology (IFF)

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

6. Fastening Systems for Solar Installations (BSA)

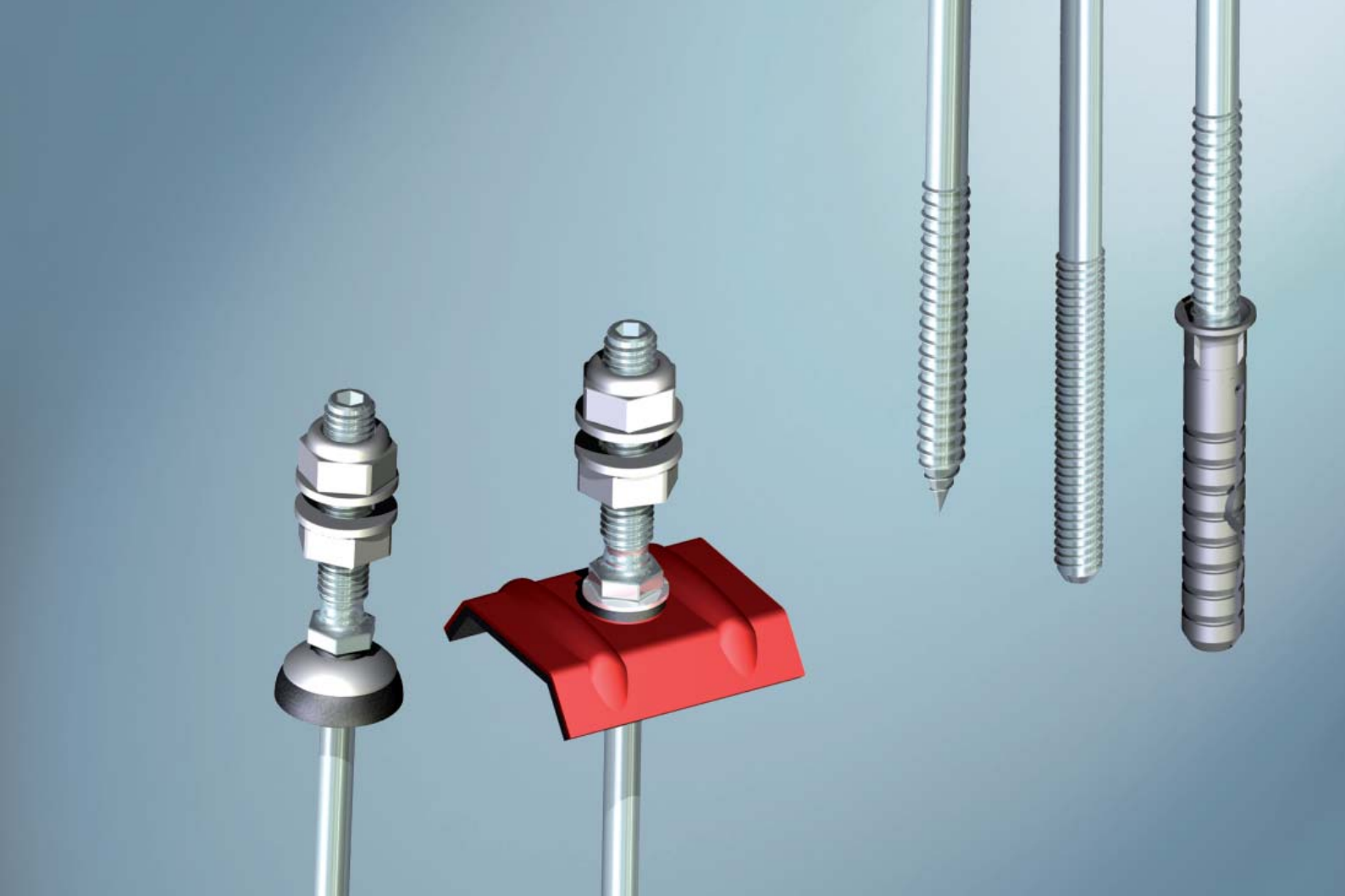
For fastening of mounting systems for photovoltaic and thermal solar installations.



Abakus Solar AG

EJOT® Solar Fastening Systems JA3 & JZ3 – For fastening of mounting systems for photovoltaic and thermal solar installations on exposed fastener metal panel roofs

- ❑ Solution for rooftop PV and solar thermal installation on commercial, industrial and agricultural buildings, as well as on certain residential buildings with corrugated and trapezoidal metal roofs
- ❑ Simple and secure installation process
- ❑ Reduced installation time
- ❑ Highly engineered thread-form that fastens in metal and wood substructures
- ❑ Precise defined depth (control) stop that allows a project-related initial sizing incl. fastener positioning scheme
- ❑ Design that includes a proven sealing system for corrugated and trapezoidal metal roofs
- ❑ Minimum risk of material damage problems
- ❑ Secure and repeatable installation results
- ❑ Applicability to all common mounting systems and strut rails
- ❑ High product quality through strict quality controls
- ❑ Very secure anchoring through fastening directly into the substructure
- ❑ Technically approved fastening system
- ❑ Perfect adjustment to your project
- ❑ **The EJOT Solar Fastening System is NOT a hanger bolt!**



EJOT® Solar Fastening Systems – All advantages at a glance

Note:

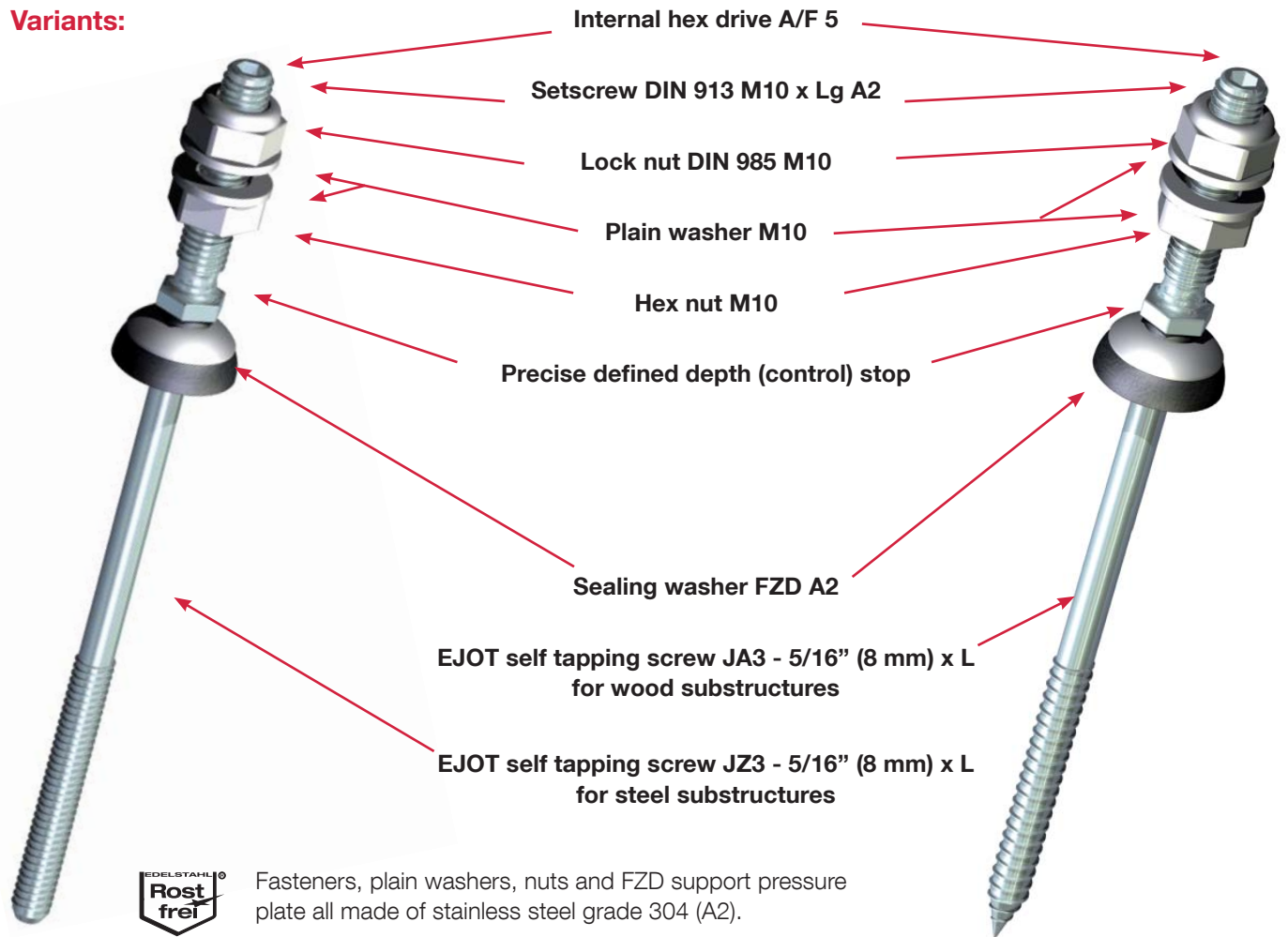
If an already existing roof is concerned, which is fastened onto steel substructures with Ø ¼" or smaller (5.5 or 6.3 mm), it is possible to remove the old screws and replace them with Ø 8 mm EJOT Solar Fastening Systems. The pre-drilling diameter has to be observed at all times.

Due to the specific characteristics of standing seam roofs these fastening systems are not suited for such applications.

- ❑ Labor saving installation
- ❑ The installation is very secure through the transfer of tensile loads and pressure forces directly into the substructure
- ❑ A solar installation can easily be mounted on an existing roof – the old screws can be replaced with EJOT Solar Fastening Systems JA3 & JZ3, using the existing holes
- ❑ Minimum risk of leakage problems
- ❑ The installer cannot change the predefined fastener setup which avoids the alteration/elimination of important quality and performance characteristics
- ❑ Competent consulting services
- ❑ Application engineering and technical support
- ❑ Flexibility regarding special requests
- ❑ Short lead-time from North American inventory shipped on a Just-In-Time (JIT) basis



Variants:

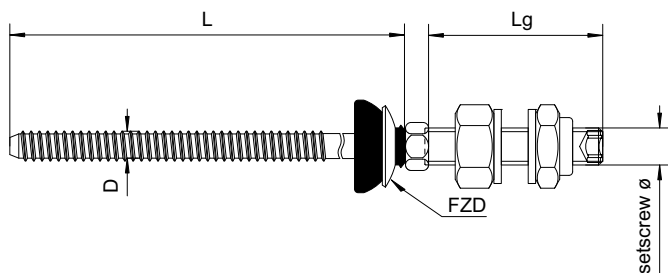


Fasteners, plain washers, nuts and FZD support pressure plate all made of stainless steel grade 304 (A2).

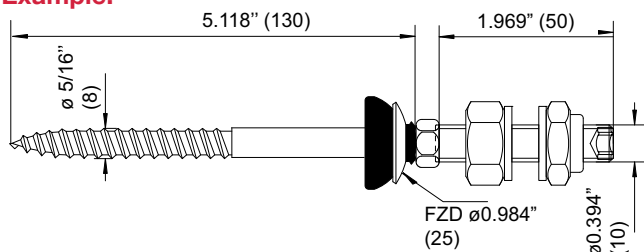


Product key:

General:



Example:



JA3 (or JZ3) - SB - D x L / Lg + FZD

D = diameter of screw (lower part)

L = length of screw (lower part)

Lg = length of setscrew (upper part)

JZ3 = thread type for steel substructures

JA3 = thread type for wood substructures

Standard is a Ø 5/16" (8 mm) fastener with M10 x 1.969" (50 mm length) setscrew; the length L is variable and has to be chosen according to the respective project.

7.3 inches EJOT Solar Fastening System for wood substructure

Code: **JA3-SB-8.0 x 130/50 FZD**

(in inches: JA3-SB-5/16" x 5.118"/1.969" FZD)



US standard product range:

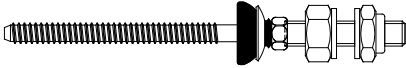

Version	JZ3-SB-	JA3-SB-
	for steel substructures	for wood substructures
Material	stainless steel A2, grade 304	stainless steel A2, grade 304
Drive	A/F 5	A/F 5
Setscrew	M10 x 1.969" (50 mm length)	M10 x 1.969" (50 mm length)
Sealing systems	FZD	FZD
Ø inches (mm)	5/16" (8 mm)	5/16" (8 mm)
Screw length L inches (mm)	3.150" (80 mm)	3.150" (80 mm)
	4.921" (125 mm)	5.118" (130 mm)
	5.906" (150 mm)	5.906" (150 mm)
	7.874" (200 mm)	7.874" (200 mm)

Other lengths project-related available upon request!



COLEXON Energy AG

Installation note:

Screw	Description	Sub-structure [inches (mm)]	Pre-drilling Ø [mm]	Drive at setscrew	Screw length/ Insertion depth [inches (mm)]
	JZ3-SB-8 xL/LG-FZD	0.059" < 0.197" (1.5 < 5.0 mm)	6.8 mm	A/F 5 (internal hexagon with width across flats 5mm)	screw length: thickness of sandwich element or height of trapezoidal profile + 0.787" (20 mm)
		0.197" < 0.295" (5.0 < 7.5 mm)	7.0 mm		
		0.295" < 0.394" (7.5 < 10 mm)	7.2 mm		
		≥ 0.394" (≥ 10 mm)	7.4 mm		
	JA3-SB-8 xL/LG-FZD	Wood	5.5 mm	A/F 5	embedment in wood: 1.260" - 3.780" (32 - 96 mm)

Project Questionnaire for Exposed Fastener Metal Roofs

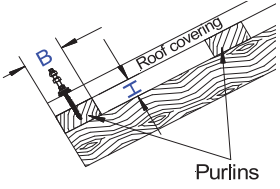
Project name:		
Company:		
Contact person:		

Substructure

☐ Steel Thickness of steel substructure in inches:

Type:  ☐  ☐  ☐  ☐

☐ Wood



Height of purlins H [inches]

Width of purlins B [inches]

In case there are no purlins:

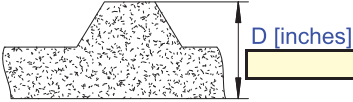
Height of rafter H [inches]

Width of rafter B [inches]

Roof covering


☐ Fiber cement profile / Corrugated metal roof Profile height of the corrugated sheet in inches:

☐ Sandwich element



Producer + identification known?

☐ Trapezoidal profile sheet



h [inches]

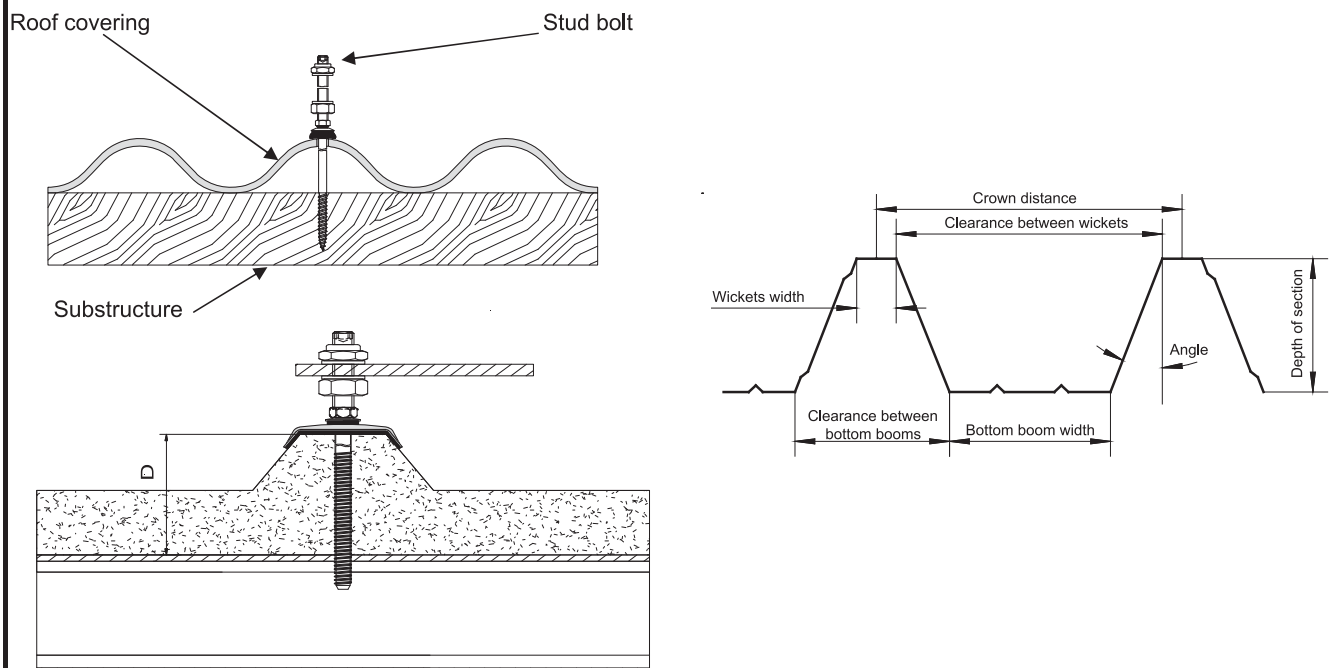
Producer:

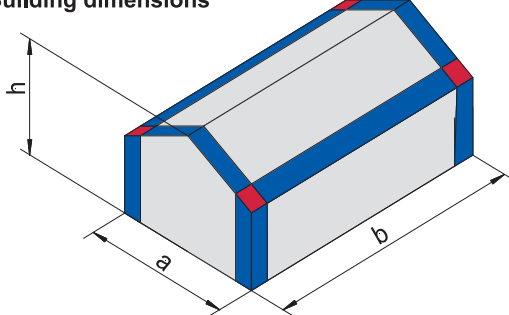
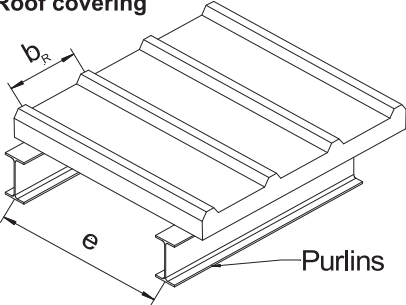
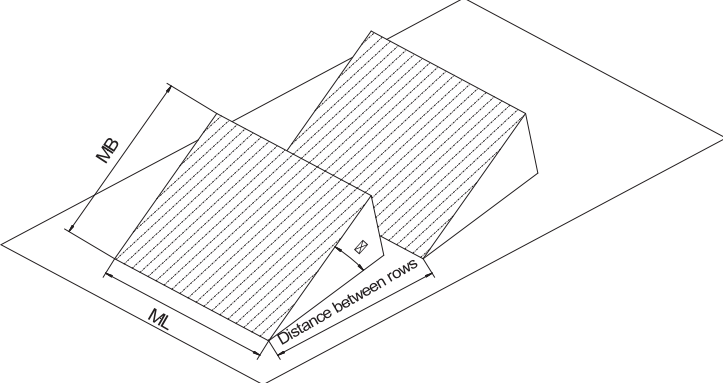
Identification:

If producer and identification unknown	Crown distance in inches	<input type="text"/>
	Clearance between wickets in inches	<input type="text"/>
	Wicket width in inches	<input type="text"/>
	Clearance between bottom booms in inches	<input type="text"/>
	Bottom boom width in inches	<input type="text"/>
	Angle in °	<input type="text"/>
	Depth of section in inches	<input type="text"/>

Set screw (upper part)

Length: ☐ 1.96 inches (50mm) (standard) ☐ different length in inches (customized product)



Building dimensions 		Width a [feet] <input style="width: 100%;" type="text"/> Length b [feet] <input style="width: 100%;" type="text"/> Height h [feet] <input style="width: 100%;" type="text"/> Roof slope α <input style="width: 100%;" type="text"/> Roof shape (flat roof, hip roof, gable roof) <input style="width: 100%;" type="text"/> Attic height [feet] <input style="width: 100%;" type="text"/> Eaves radius [feet] <input style="width: 100%;" type="text"/> Eaves slope [°] <input style="width: 100%;" type="text"/>																														
Type of building		Open building <input type="checkbox"/> Exposed location <input type="checkbox"/> Internal pressure <input type="checkbox"/>																														
Roof covering 		Purlin spacing e [inches] <input style="width: 100%;" type="text"/> Rib width b_R [inches] <input style="width: 100%;" type="text"/> Element color (RAL) <input style="width: 100%;" type="text"/> Thickness of face sheet (gauge, AWG) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="7" style="text-align: center; vertical-align: middle;">Steel</td> <td>29 ga (0.343 mm)</td> <td><input type="checkbox"/></td> </tr> <tr> <td>26 ga (0.455 mm)</td> <td><input type="checkbox"/></td> </tr> <tr> <td>24 ga (0.607 mm)</td> <td><input type="checkbox"/></td> </tr> <tr> <td>22 ga (0.759 mm)</td> <td><input type="checkbox"/></td> </tr> <tr> <td>20 ga (0.912 mm)</td> <td><input type="checkbox"/></td> </tr> <tr> <td>18 ga (1.214 mm)</td> <td><input type="checkbox"/></td> </tr> <tr> <td>other</td> <td><input style="width: 100%;" type="text"/></td> </tr> <tr> <td rowspan="7" style="text-align: center; vertical-align: middle;">Aluminum</td> <td>29 ga (0.287 mm)</td> <td><input type="checkbox"/></td> </tr> <tr> <td>26 ga (0.404 mm)</td> <td><input type="checkbox"/></td> </tr> <tr> <td>24 ga (0.511 mm)</td> <td><input type="checkbox"/></td> </tr> <tr> <td>22 ga (0.643 mm)</td> <td><input type="checkbox"/></td> </tr> <tr> <td>20 ga (0.813 mm)</td> <td><input type="checkbox"/></td> </tr> <tr> <td>18 ga (1.024 mm)</td> <td><input type="checkbox"/></td> </tr> <tr> <td>other</td> <td><input style="width: 100%;" type="text"/></td> </tr> </table>	Steel	29 ga (0.343 mm)	<input type="checkbox"/>	26 ga (0.455 mm)	<input type="checkbox"/>	24 ga (0.607 mm)	<input type="checkbox"/>	22 ga (0.759 mm)	<input type="checkbox"/>	20 ga (0.912 mm)	<input type="checkbox"/>	18 ga (1.214 mm)	<input type="checkbox"/>	other	<input style="width: 100%;" type="text"/>	Aluminum	29 ga (0.287 mm)	<input type="checkbox"/>	26 ga (0.404 mm)	<input type="checkbox"/>	24 ga (0.511 mm)	<input type="checkbox"/>	22 ga (0.643 mm)	<input type="checkbox"/>	20 ga (0.813 mm)	<input type="checkbox"/>	18 ga (1.024 mm)	<input type="checkbox"/>	other	<input style="width: 100%;" type="text"/>
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	18 ga (1.024 mm)	<input type="checkbox"/>																														
	other	<input style="width: 100%;" type="text"/>																														
Location of the building		Postal code <input style="width: 100%;" type="text"/> City & state <input style="width: 100%;" type="text"/> Wind load zone <input style="width: 100%;" type="text"/> Terrain category <input style="width: 100%;" type="text"/> Height above sea level [feet] <input style="width: 100%;" type="text"/> Snow load zone <input style="width: 100%;" type="text"/>																														
Modules		Weight of module + rail system [lb/square ft] <input style="width: 100%;" type="text"/> Length of modules ML [feet] <input style="width: 100%;" type="text"/> Width of modules MB [feet] <input style="width: 100%;" type="text"/> Quantity of modules [pieces] <input style="width: 100%;" type="text"/> Distance between rows [feet] <input style="width: 100%;" type="text"/> Angle of elevation (β) <input style="width: 100%;" type="text"/>																														
Miscellaneous information: <div style="display: flex; justify-content: space-between; align-items: flex-start; margin-top: 20px;"> <div style="width: 40%;"> <p>Our application engineering will gladly assist you in choosing the appropriate EJOT Solar Fastening System for your project. Please fill out the enclosed form <u>completely</u> and send it to solar@atf-inc.com.</p> </div> <div style="width: 55%; text-align: center;">  </div> </div>																																

Our application engineering is happy to assist you with choosing the right EJOT Solar Fastening System. Please fill out the enclosed form and fax it to: +1 847 568 3713 or send it to solar@atf-inc.com.

EJOT® The Quality Connection



EJOT® Solar Fastening System for concrete substrates

The EJOT Solar Fastening System for concrete substrates is developed upon the basic concept of the EJOT Solar Fastening Systems JA3 & JZ3. It offers the same technical advantages of this system, as a joint between the roof and the mounting system for solar installations. The important difference to the standard EJOT Solar Fastening Systems for exposed fasten metal roofs is the usage of this fastening system in concrete substrates.

All advantages at a glance

- ☐ Usage of an anchor screw A/F13 (material SS A4)
- ☐ Usage of the EJOT SDF anchor (special anchor for fastening into concrete)
- ☐ Shortest anchor length $L = 2.362''$ (60 mm)
- ☐ Flexibility in case of special requests
- ☐ Expert advice
- ☐ High product quality through strict quality control
- ☐ Quick retrofitting on existing roofs
- ☐ No additional holes in the roof cladding
- ☐ Use of proven sealing systems
- ☐ Very secure anchoring due to fastening directly into the substructure
- ☐ Project-related structural initial sizing free of charge possible

Note:

The shortest anchor length is $L = 2.362''$ (60 mm). The screw to be used is dimensioned with an allowance due to the elongation of the anchor during assembly. For the hole depth of blind holes at least $3/8''$ (10 mm) allowance has to be added to the anchor length.

Variants:

Set screw DIN 913
M10 x Lg A2

Lock nut
DIN 985 M10

Plain washer M10

Hex nut M10

Precise defined depth
(control) stop

EJOT ORKAN Storm
Washer

SDF anchor
screw

Internal hex
drive A/F 5

Sealing
washer
E16



Sealing washer FZD A2

SDF anchor

Product range for EJOT Solar Fastening System for concrete substructures:

Version	A/F13 / SDF anchor D = 0.392" (10 mm)
	for concrete substructures
Material	stainless steel A4
Drive	A/F 5
Threaded part	M10 x 1.969" (50 mm length)
	M10 x 2.755" (70 mm length)
Sealing systems	Sealing washer E16/2 + EJOT ORKAN Storm Washer
Ø [inches (mm)]	FZD
	0.276" (7 mm)
	2.638" (67 mm)
	3.425" (87 mm)
	4.212" (107 mm)
	5.000" (127 mm)
	5.787" (147 mm)
	6.574" (167 mm)
	7.362" (187 mm)
	8.149" (207 mm)
Screw length L [inches (mm)]	8.937" (227 mm)

Installation note:

Screw + description	Sub- structure	Pre- drilling Ø [mm]	Hole depth [inches (mm)]	Drive at setscrew	Screw length/ Insertion depth [inches (mm)]
 SW13-SB-7.0xL/LG + anchor -E16 + EJOT ORKAN Storm Washer	Concrete	10 mm	Anchor length + min. 0.393" (10 mm)	A/F 5 (for M10 threaded part)	min. screw length: sandwich element thickness or trapezoidal profile height + anchor length + min. 3/8" (10 mm)
 SW13-SB-7.0xL/LG + anchor - FZD					min. screw length: sandwich element thickness or trapezoidal profile height + anchor length + min. 3/4" (20 mm)



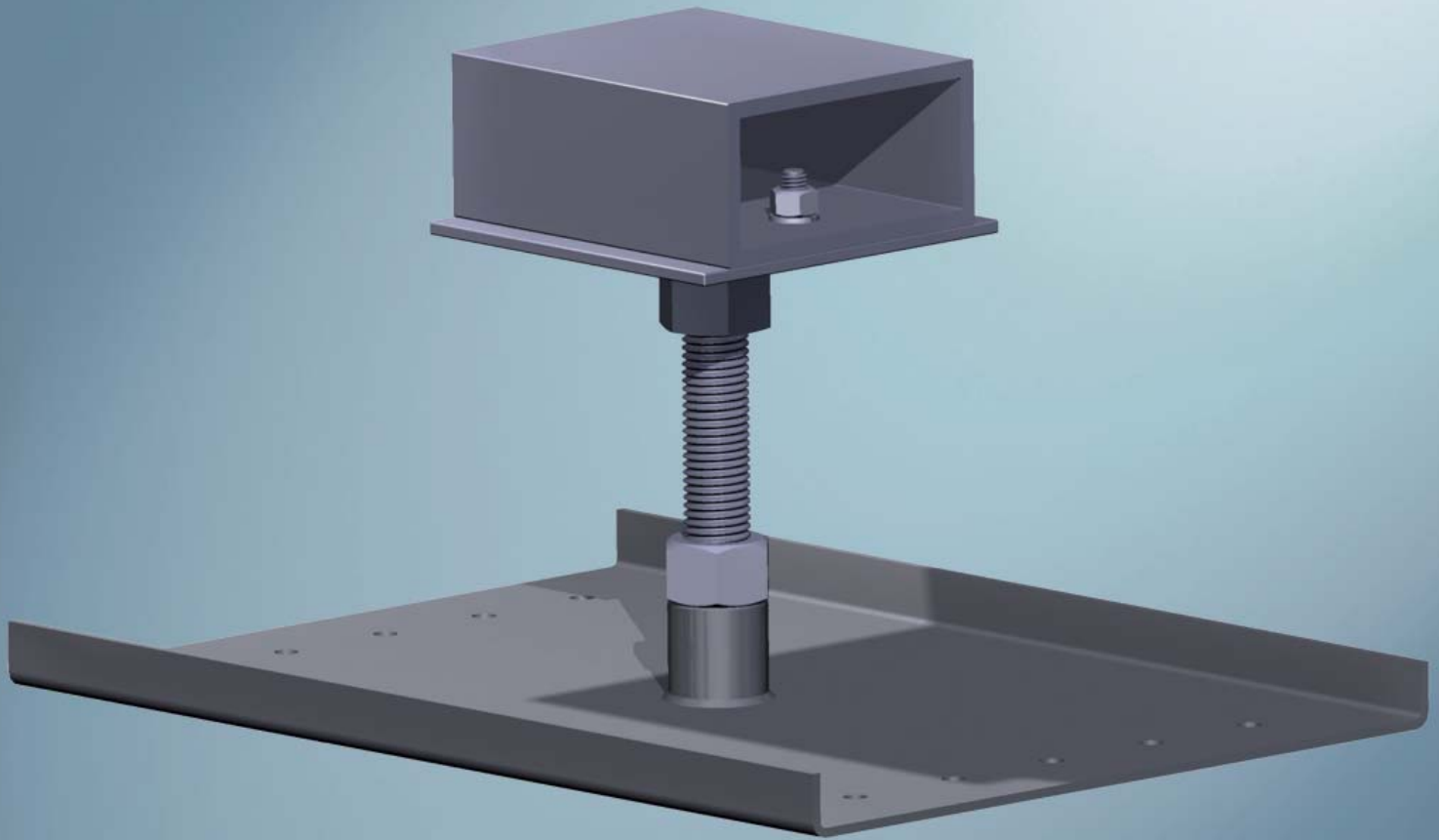
EJOT® Flat Roof Solar Fastening System FDS

The simple and reliable solution to set up additional installations on your flat roof.

Applications:

- Basis system to set up the mounting of uprights on flat roofs, e.g.:
 - Fastening of mounting systems for solar and photovoltaic installations
 - Catwalks for maintenance and installations
 - Air conditioning units, switching boxes, etc.
- Suitable for:
 - Foil systems
 - Bitumen systems*
 - All common insulating materials
 - Water-proof and insulating layers with low bearing capacity
 - Substructures with trapezoidal profiles, wood or concrete

* Each individual case should be analyzed beforehand



* edged from 9.842" (250 mm) side length onwards

EJOT® Flat Roof Solar Fastening System FDS – The advantages at a glance

Advantages:

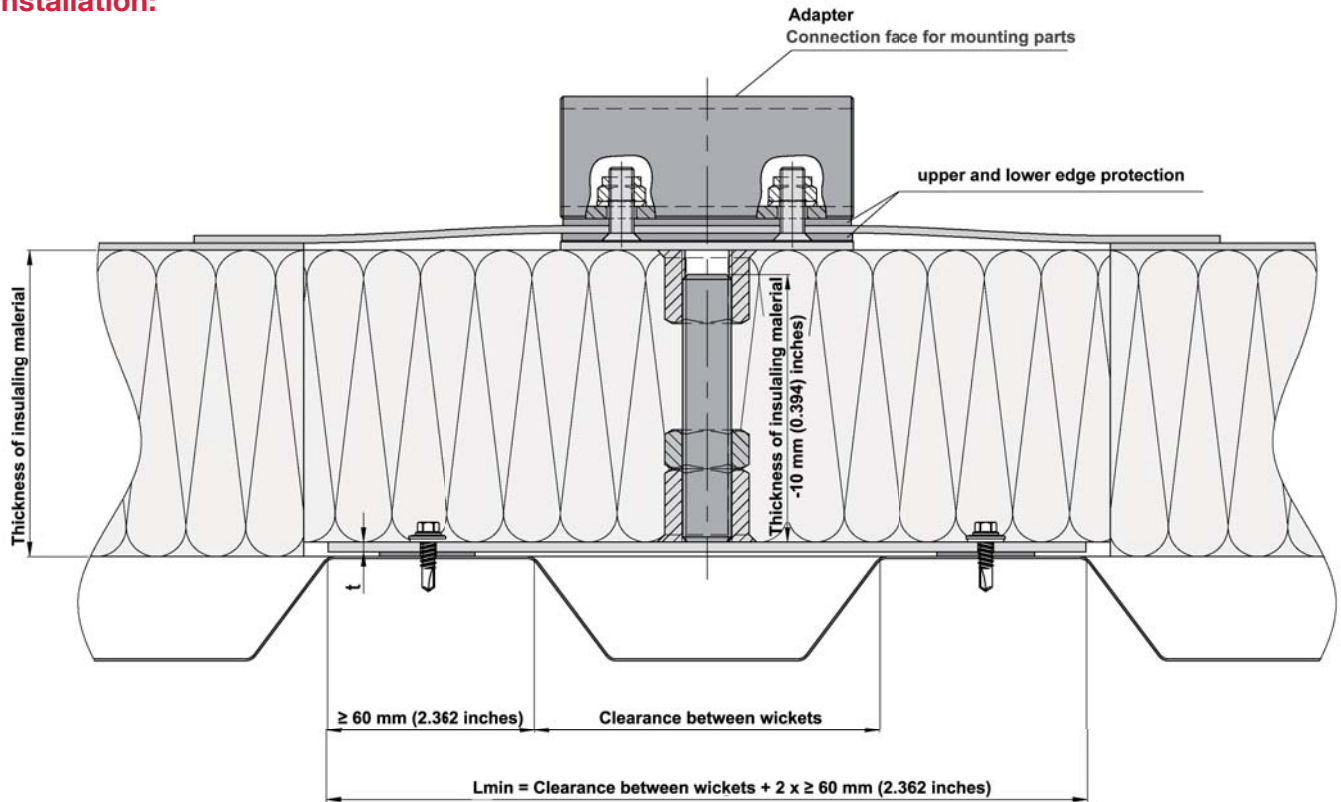
- ☐ Load application directly onto the stable, load-bearing section => highest safety
- ☐ No pressure load on the roof membrane or thermal insulation
- ☐ Ideal alignment of the uprights for solar installations independent of:
 - the alignment of the wicket of the trapezoidal profile of the substructure
 - the position of the building
- ☐ Simple adjustment of unevenness and small differences in height, e.g. regarding the positioning of uprights for solar installations towards the sun
- ☐ Appropriate for supplementary installations
- ☐ Simple, fast and clean installation with EJOT special tools
- ☐ Secure sealing of the roof membrane and diffusion layer
- ☐ No corrosion through usage of stainless steel and aluminum



Note:

- ☐ The adhesive has to be matched to the roofing membrane and it has to be suited to the application
- ☐ Thoroughly clean the respective area of the roofing membrane before applying the adhesive
- ☐ Apply the adhesive generously

Installation:



Product range:

- ☐ Thickness of the insulating layer up to 9.448" (240 mm)
- ☐ The base plate is designed for the existing substructure
- ☐ Trapezoidal metal profiles as substructure
- ☐ Concrete as substructure
- ☐ Use of special proven EJOT fasteners for anchoring into the substructure
- ☐ Adjustment of curved roofing constructions through pivoting adapter (optional)
- ☐ Supply of special tools for optimal installation on request

Special tools (available upon request)



Cutting tool

Spade to cut out the insulation.
Especially suited for mineral wool.



"Corkscrew"

Tool for forming the central hole in
the insulation material to take up
the threaded part.



Jig

Accessory for the easy marking
of the size and position of the
EJOT Flat Roof Solar Fastening
System onto the roof.

Questionnaire EJOT® Flat Roof Solar Fastening System FDS

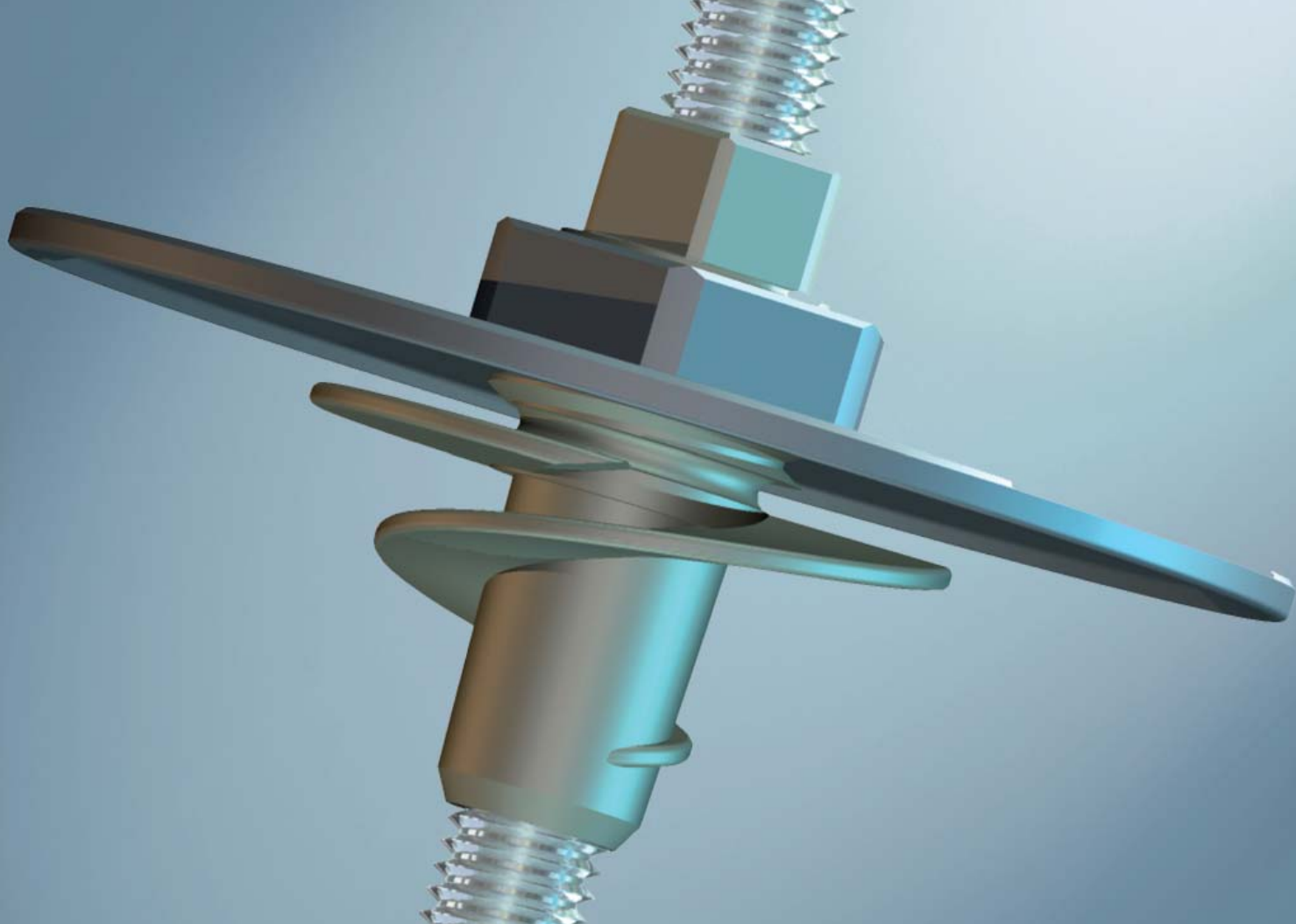
Information to configure the EJOT Solar Flat Roof Fastening System

Date:
 Requesting person:
 Customer / company:
 Contact (Name):
 Phone - No.:
 E-Mail:
 Planned project (City):
 Planned project (Zip Code):
 Roof - Length of building [yard]:
 Roof - Width of the building [yard]:
 Usage in corrosion critical environment?
 (e.g. indoor swimming pool, sewage works, ...) ☐ Yes ☐ No
 Requested amount [pcs.]: (Rough assumption for evaluation of quantity needed: about 1 fastener every 7.15 yard²)
 Substructure ☐ Trapezoidal cross section
 ☐ Concrete t = 1.969" - 2.756" ☐ Aerated
 ☐ Concrete t > 2.756" ☐ Wood
 Roof covering ☐ Foil/Membrane ☐ Bitumen
 Insulation material ☐ Polystyrene ☐ Rock wool ☐ Foam
 Roof slope ☐ 0° - 5° ☐ 5° - 10° ☐ > 10°

Information about the roof setup for systems with trapezoidal cross section used as substructure

Crown distance [inches]
 Crown width [inches]
 Insulation thickness [inches]
 Wall thickness [gage]

Our technical support will be available for defining the appropriate EJOT Flat Roof Fastening System FDS for your flat roof solar project. Please complete this questionnaire and send the document to: solar@atf-inc.com



EJOT® Solar Fastening System FD

With the EJOT Solar Fastening System FD and its innovative sealing system, the penetration of roofs with membranes (flat roof) and its respective sealing is quick, easy and watertight.

The building authorities approved self-drilling screw (EJOT JT3-2H-6.0x25) is fastened into the substructure (e.g. trapezoidal profile steel/aluminum).

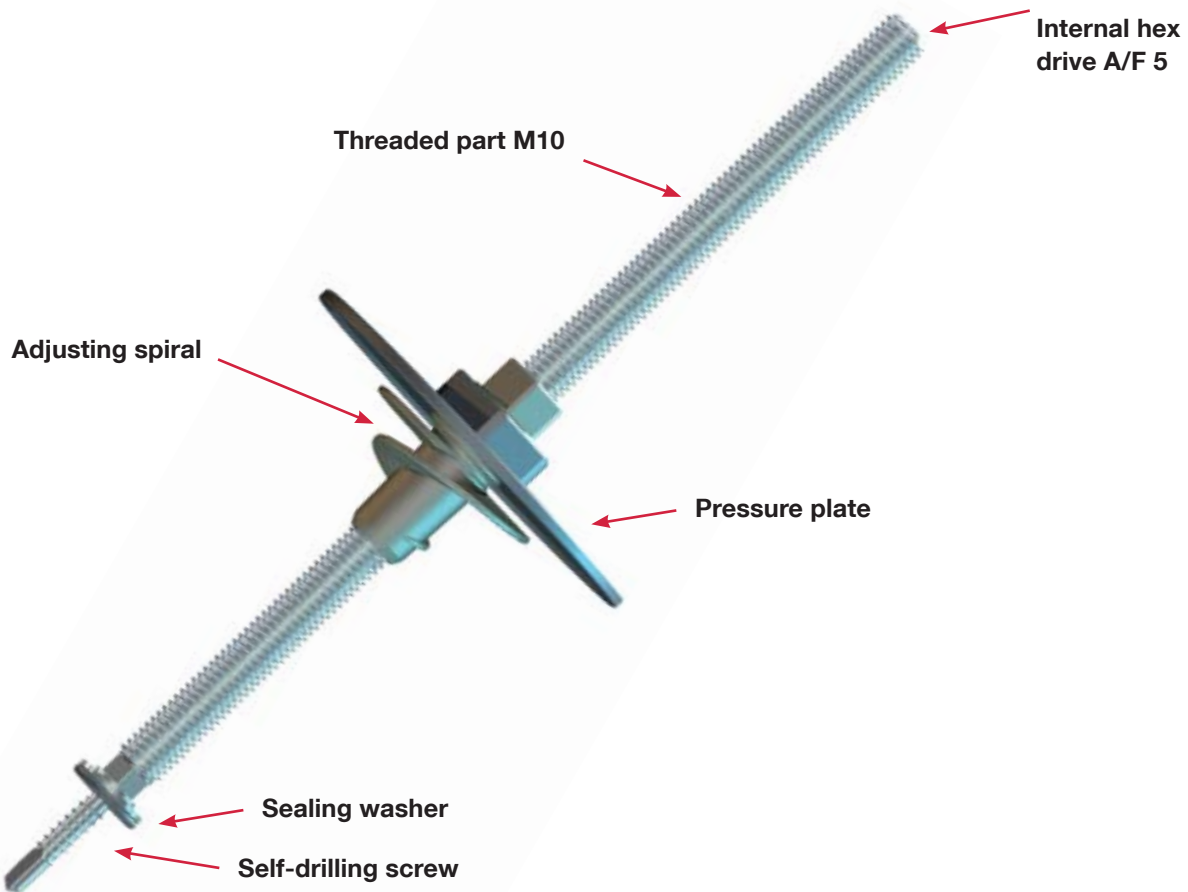
This fastening is designed for the absorption of tensile forces and therefore especially suited for the mounting of lightweight solar mounting systems on flat roofs. Wind suction forces onto the fastened system are securely absorbed by the EJOT Solar Fastening System FD. By this means additional dead load through usage of ballasted solar mounting systems can be avoided on already structurally maxed out flat roof constructions. The ballast could be substituted by the EJOT Solar Fastening System FD when the fastenings become directly integrated into the solar mounting solution.

Features

- ❑ Absorption of tensile forces e.g. wind suction
- ❑ Fastening into the substructure with EJOT JT3-2H-6.0 x 25 self-drilling screw (for trapezoidal metal profiles as substructure)
- ❑ Drilling screw with German building authorities approval Z-14.4-426
- ❑ Pre-drilling diameter in sheeting and insulation: d= 16 mm
- ❑ Internal hexagon drive A/F5
- ❑ Standard – threaded part M10 x 7.874" (M10 x 200 mm), grade 304 stainless steel (A2)
- ❑ Processing of insulation thicknesses up to 6.299" (160 mm)
- ❑ For larger insulation thicknesses upon request
- ❑ Adjusting spiral can be changed in height for optimal positioning
- ❑ Waterproofing with a suitable, liquid sealing material and mechanical clamping between adjusting spiral and pressure plate
- ❑ Fastening of the mountings through protruding threaded part (M10)
- ❑ Corrosion resistant

Contact us for project-specific requests with information about substructure type, insulation material thickness and membrane type!

Standard variant for metal substructures



EJOT® Solar Fastening System FD – The advantages at a glance

Advantages:

- ☐ Quick installation
- ☐ Ideal for the backfitting on existing flat roofs
- ☐ Minimal drill holes in the roofing membrane
- ☐ Automatic driving of the adjusting spiral into the roofing membrane
- ☐ Minimum destruction of the roofing membrane during assembly of the adjusting spiral
- ☐ Quick and easy sealing of the roofing membrane
- ☐ Pre-drilling only in roofing membrane and insulation
- ☐ Secure assembly of the drilling screw into the substructure
- ☐ No destruction of the screw joint in the trapezoidal profile due to stripping
- ☐ Integrated sealing of the diffusion layer through the pre-assembled sealing washer
- ☐ Material EJOT Solar Fastening System FD: grade 304 stainless steel (A2)
- ☐ Plastic parts (made of polyamide with a high proportion of glass fibre) are UV and temperature resistant



Note:

- ☐ The EJOT Solar Fastening System FD comes as a package with EJOflex liquid adhesive for PVC, TPO, EPDM and EVA membranes.



EJOT® SUPER-SAPHIR self drilling screws

Features:

- ❑ Hexagon drive
- ❑ Free Spin Zone under the head facilitates longitudinal joints
- ❑ Small dead centre prevents misalignment on the component surface
- ❑ Galvanised steel sealing washer or stainless steel with vulcanised elastomer. Excellent atmospheric and UV-resistance.

Advantages:

- ❑ Connect components in one step
- ❑ Drilling, thread-forming and fastening
- ❑ Decrease assembly times
- ❑ Save tool changes and costs for drilling tools
- ❑ Available with captive sealing disk upon request

Approvals:

Many EJOT products are building authorities approved or a general building authorities test certificate is available.

Product versions:

EJOT

Self-drilling screws

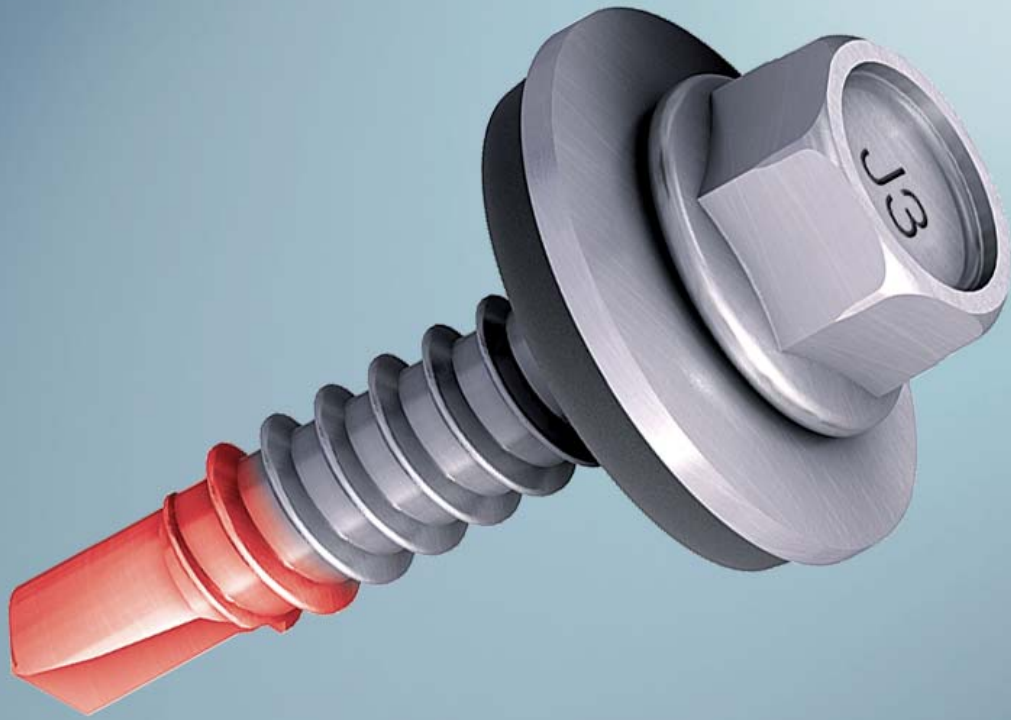
SUPER-SAPHIR JT3



Screw material	A2 stainless steel with case-hardened carbon steel drill point
For components made of	steel or aluminium
Building authorities approved	Ü
Max. drill capacity [inches (mm)]	0.472" (12 mm)



The approved and tested products are marked.



Product range:

EJOT® SUPER-SAPHIR self-drilling screw JT3-2-6,0



APPLICATION RANGE

- fastening profiled metal sheets with/without intermediate insulation onto thin-walled steel/aluminum substructures and wood substructures

APPROVAL

Z-14.4-426

Z-14.1-537

FEATURES

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

TECHNICAL DATA

Drilling capacity $t_f + t_{fl}$ 1,0 + 1,0 mm

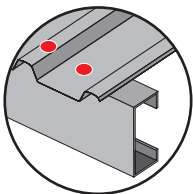
External hexagon drive A/F8

NOTE

Approved for sheet metal thicknesses of:

- 0.80 mm (0.03150" or gage 20) aluminium sheets
- 0.55 mm (0.02165" or US steel gage 24) steel sheets

EJOT® The Quality Connection



Ø inches (mm)	Length inches (mm)	Clamping thickness inches (mm)	Packaging unit	Order description	Item number
Sealing washer E16, Ø 5/8" (16 mm)					
1/4" (6 mm)	1" (25 mm)	0 - 7/64" (0 - 7 mm)	500	JT3-2-6x25-E16	3595511321

Other dimensions or variants are available upon request



DEKTITE® Flashings for Cables of Rooftop Solar Installations

The DEKTITE® flashing enable a perfect waterproofing of cable or pipe feed throughs on roof or facade. Through the flexible rubber pleats thermal changes in length of the pipes or sheathing elements are not constricted. Fatigue fractures, which might occur with rigid cable/pipe feed throughs, are impossible with DEKTITE flashings.

Features:

- ❑ Standard dimension for cable bundle or pipe diameters of up to 24.015" (610 mm)
- ❑ Weather resistant through the construction industry proven EPDM
- ❑ Unsusceptible to UV-radiation
- ❑ Adaptable to all roof profiles

Advantages:

- ❑ Long lifetime
- ❑ Thermal stability: EPDM will withstand temperatures from -50 °C to +115 °C (-58 °F to 239 °F) with intermittent temperatures up to +150 °C (302 °F)
- ❑ Special solutions for higher temperatures upon request
- ❑ Low-temperature resistance: up to - 50 °C (-58 °F)
- ❑ Flexible adjustment
 - to different profiles
 - to all pipe materials
 - to pipe and cable bundle diameters up to 24.015" (610 mm)

Note:

When using the DEKTITE® flashing, amongst others, the specifications of the DIN 18807 or respective national guidelines and regulations have to be considered. Pipe/Cable flashing may not be installed in the vicinity of horizontal or longitudinal joints.



Variants:

absorbing of the load
through two flexible pleats

easily identifiable pipe/cable
bundle size

flexible conical sleeve

low profile



large base

embedded aluminium frame

no twisting of the cone

improved watertightness

EJOT® The Quality Connection



Product range:

Dektite® Square Flashing

Installation Pack

APPLICATION RANGE

- pipe flashing onto metal roofs
- feed through of cable bundle of solar installations on metal roofs

ADVANTAGES

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

NOTICE

Use Bulb-tite rivets for corrugated fibre-cement slabs

INCLUDED IN DELIVERY

- 1 flashing
- 1 cartridge of EJOPLAST joint sealant
- 1 EJOT self-drilling screw kit



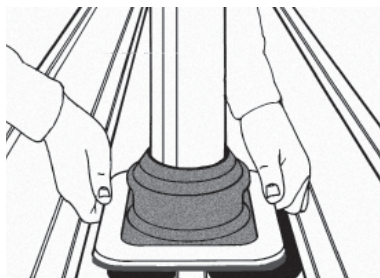
for Ø inches (mm)	Base inches (mm)	Roof pitch (°)	Cartridge content in fluid ounces (ml)	Self-drilling screw content (pieces)	PU	Order description	Item number
0 - 1.378 (0 - 35)	3.897 x 3.897 (99 x 99)	0 - 60	2.705 (80)	8	1	DFE 0-35	8200004704
0.196 - 2.165 (5 - 55)	5.393 x 5.393 (137 x 137)	0 - 35	2.705 ((80)	8	1	DFE 5-55	8200104704
1.968 - 2.755 (5 - 120)	7.007 x 7.007 (218 x 218)	0 - 35	2.705 ((80)	16	1	DFE 5-120	8200304704
4.330 - 6.692 (110 - 170)	11.181 x 11.181 (284 x 284)	0 - 35	2.705 ((80)	20	1	DFE 110-170	8200404704
6.299 - 8.661 (160 - 220)	14.370 x 14.370 (365 x 365)	0 - 35	2.705 ((80)	28	1	DFE 160-220	8200604704
6.299 - 11.811 (160 - 300)	17.834 x 17.834 (453 x 453)	0 - 35	10.482 (310)	32	1	DFE 160-300	8200704704
11.417 - 17.322 (290 - 440)	22.874 x 22.874 (581 x 581)	0 - 35	10.482 (310)	40	1	DFE 290-440	8200904704



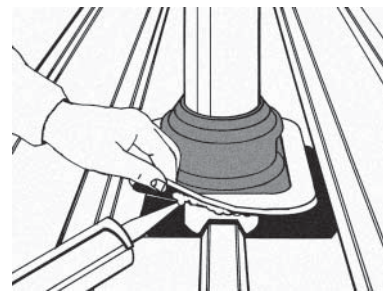
Assembly Instruction



1. Adjust Dektite® to the pipe or cable bundle



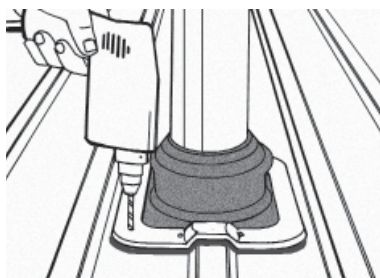
2. Adjust Dektite® to the profiled sheet and mark



3. Apply sealant



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



5. Fasten Dektite® with EJOT self-drilling screws or Bulbtite rivets.



EJOT® Tools and Accessories

EJOPLAST Joint Sealant

APPLICATION RANGE

- Sealing the pipe flashing

FEATURES

- EJOPLAST is a single-component universal sealant based on polycarboxylic acid copolymeric base
- EJOPLAST adheres to all conventional materials such as steel, aluminium, copper, brass, glass, wood, ceramic, bitumen, concrete, masonry, plaster, plexiglas, tiles, roof tiles, polyester, etc. smooth, non-porous substructures can even be wet, while porous surfaces should be dry.
- EJOPLAST can be cleaned with standard cleaning agents, but not with solvents.
- EJOPLAST hardens through the evaporation of solvents and is impervious to water from the beginning, because it forms an immediate skin.
- The surface is adhesive-free after 20-30 minutes (depending on temperature), likewise immediately after contact with water (e.g. by planing).



Content in fluid ounces (ml)	Coulour	PU	Order description	Item number
2.705 (80)	clear	1	EJOPLAST 80 mm clear	8200003000
10.482 (310)	clear	1	EJOPLAST 310 mm clear	8200001000



Hexagon Driver Bits for EJOT Solar Fastenings

FEATURES

- External hexagon drive as per DIN 3126

TECHNICAL DATA

External hexagon drive 1/4" ≈ 6.3mm

Type and size	Drive	Length in inches (mm)	Order description
A/F 5	C	1" (25mm)	Hexagon A/F 5-1/4"/Cx25



Precision drill bit HSS

APPLICATION RANGE

- For structural steel

ADVANTAGES:

- Special polish to ensure high drilling capacity in case of low drilling pressure
- Short chip flute
- Insensitive to breaking

FEATURES

- Long service life

Ø mm	Length in inches (mm)	Rotation speed rpm	Order description	Item number
Form S				
5.5	6.890" (175 mm)	750	Drill Bit HSS 5.5 x 175	9250408000
5.5	8.661" (220 mm)	750	Drill Bit HSS 5.5 x 220	9250423000
6.8	6.890" (175 mm)	600	Drill Bit HSS 6.8 x 175	9250680175
6.8	8.858" (225 mm)	600	Drill Bit HSS 6.8 x 225	9250510000
7.0	6.890" (175 mm)	600	Drill Bit HSS 7.0 x 175	9250500000
7.0	8.858" (225 mm)	600	Drill Bit HSS 7.0 x 225	9250493000
7.2	6.890" (175 mm)	600	Drill Bit HSS 7.2 x 175	9250505000
7.2	8.858" (225 mm)	600	Drill Bit HSS 7.2 x 225	9250494000
7.4	6.890" (175 mm)	600	Drill Bit HSS 7.4 x 175	9250507000
7.4	8.858" (225 mm)	600	Drill Bit HSS 7.4 x 225	9250497000

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