





The complete solution for the modern building envelope

EJOT's fastening systems encompass every facet of the modern building envelope. This catalogue showcases our current portfolio of high performance Self-Drilling and Self-Tapping Fasteners, Storm Washers, Rivets, Accessories and specific tooling for every installation process of the roofing and cladding industry.

This range is further complemented by other highly specialist products and systems, all designed, manufactured and supported by the EJOT Group, worldwide.

Technical guidance and support for all EJOT products, is available through a national frontline team of experienced sales engineers, supported by a thoroughly knowledgeable and responsive customer services team, based at our manufacturing centre near Leeds.



This interactive design guide provides a complete specification route through the four key installation stages, presenting safe, reliable rainscreen installation.

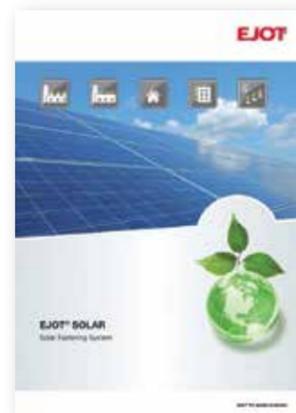
Available to download free for IOS and Android tablets.



Rainscreen and Façade
The complete fastening range for the total rainscreen installation process.



Hazardous Environments
Specialist products developed for highly corrosive environments.



Solar Installation
International product overview for all solar system installations.



Membrane Roofing Systems
Innovative fastening systems for insulation and pvc membrane to all decks.



Concrete, Brick and Block
Proven fastening and anchoring systems for all masonry substrates.



External Wall Insulation
Full specification, product and accessory guide for ETICS professionals.

The world's leading manufacturer of advanced fastening solutions



Working alongside system designers and OEMs, our products have gained worldwide approval for application specific solutions; achieving technical compliance through comprehensive development procedures, gaining acceptance from designers, engineers and procurement teams alike.

Responsive customer service with technical support on site

EJOT's UK manufacturing and supply base is complemented with EJOT's Europe-wide sales and service network as well as a worldwide project support team, always ready to help our customers at any time, nationally and internationally.

Contact EJOT UK

Customer Service: **01977 68 70 40**

Fax: **01977 68 70 41**

Email: sales@ejot.co.uk

The Quality Connection



We're proud to work alongside all of the major professional bodies helping to progress the industry sectors they serve. We bring almost 35 years of development and manufacturing expertise to the table, with a precise understanding of fastening requirements in modern construction. As a major global manufacturer of quality products, the EJOT Group promotes the values of shared knowledge, working with many similar organisations and academic institutions worldwide.



Buy online and save time

The EJOT UK website is a technical resource in its own right, providing product detail, data sheets, application guides and technical compliance information.

The My EJOT Webshop was launched in 2013 and has been steadily expanded to provide an extensive shop window that completely mirrors traditional purchasing processes, with over 3000 fastening products and variants available electronically. And that figure will continue to grow.

Navigating levels of technical information has been carefully addressed with many applied 'product-finder' filters that lead customers from application to substrate, with all other relevant specification criteria in between.

Registration to the My EJOT webshop is straightforward and leads to a personalised online pricing structure, flexible purchasing and a reference of previous orders.



Using your printed catalogue in line with the EJOT webshop is easy:

Step 1

When you've found the products that are right for your application, type the product name into search bar at the top of the screen.

Step 2

From the selection that is generated, select the product you require and click through for more details – which can include data sheets and application data.

Step 3

Happy? Check for the correct dimensions and description, or colour where applicable.

Step 4

Input the quantity and add to cart. If you need another product, carry on shopping until your order is complete. Go to Cart and purchase.



Availability is confirmed by the green tick next to the product. If the product shows as out of stock, lead times can be checked with our dedicated Customer Service team.



For efficient easy ordering online go to www.ejot.co.uk

Scan the QR code with your mobile device to go directly to **My EJOT**.

The National Federation of Roofing Contractors

Established 125 years, the NFRC is the UK's largest roofing trade association, representing over 70% of the roofing industry by value. An established voice for the roofing industry, the NFRC seeks to adapt to change, ensuring that its members are at the forefront.



Metal Cladding and Roofing Manufacturers Association

Recognised as the leading authority on building envelope systems, the MCRMA represents manufacturers and suppliers, working to promote best practice. The Association campaigns for improved technical knowledge, and has produced a series of technical papers.



The Single Ply Roofing Association

SPRA represents the UK's single ply roofing industry with membership covering the complete supply chain including manufacturers, distributors and specialist contractors. All members are independently audited against rigorous quality criteria.



The Insulated Render and Cladding Association

INCA is the recognised trade association for the external wall insulation industry, representing the major system designers, a nationwide network of specialist installers and the key component suppliers.



National Insulation Association

The NIA represents the UK insulation industry. Members include manufacturers and installers of insulation systems for home and business. The NIA is committed to maintaining and raising standards within the insulation industry.



Construction Fixings Association

The Construction Fixing Association's objective is to raise industry standards to the highest level of quality and safety in the selection and installation of safety-critical fixings. EJOT is one of only six fastener manufacturers in the UK to be awarded full membership status of the CFA.





EJOT Applitec centre

EJOT APPLITEC is at the heart of everything we do worldwide; the design, origination and testing that ‘engineers in’ the high installation performance required to manufacture progressive fastening systems.

Here in the UK, our Applitec Centre has become an industry-wide resource, often in partnership with many leading OEM’s, all sharing an holistic objective to develop better, more efficient products for the modern building envelope.



Engineered solutions, off site and on site

When customers need support with technical issues on-site, particularly where there are structural implications, our team of Applitec technicians are able to replicate conditions off-site – providing a resource of immeasurable value.

There are many different application challenges and our Applitec Centre is equipped with state-of-the-art equipment, and the technical ability required to recreate and test virtually any scenario, during or prior to installation. Typically, testing reports compiled by Applitec technicians can enable structural engineers to determine if an incorrect installation is still fit for purpose. Equally, where procedures demand, test conditions can be created as a means of forecasting performance.

Contact the Applitec team, call: 01977 68 70 40

or email: applitec@ejot.co.uk



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EJOT SAPHIR®

Self-Drilling Fasteners - Carbon Steel



PRODUCT GROUP

A range of fasteners specifically designed for use in roofing and cladding. Many fasteners feature our 8mm Hex Hi-Lode head styles with washer flange, for the ultimate in pullover resistance and sealing ability.

DESIGN

The drill points and thread forms are designed to provide maximum mechanical performance with ample safety margins for use on building sites.

ASSEMBLY

Where specified they are assembled with a high quality metal and EPDM vulcanised sealing washer ensuring a safe seal every time.

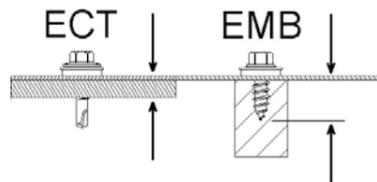
FINISH

The specified fasteners have a zinc or a organic corrosion resistant coating.



EJOT COLOUR MATCHING

Colour matching and additional corrosion resistance is available for many hexagon headed fasteners in our Self-Drilling ranges - please see EJOT Colorfast® on page 36.



Effective Clamping Thickness

(ECT) is the total thickness of the build up to be fixed.

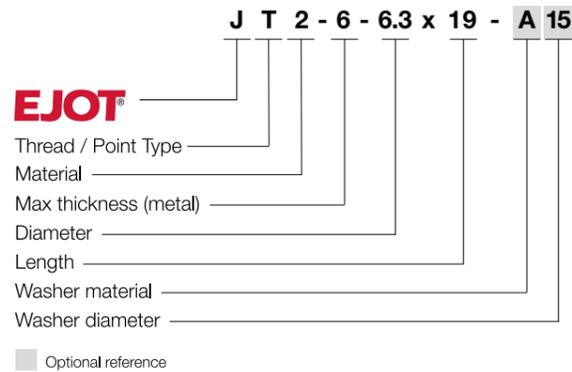
Embedment

(EMB) figures relate to depth into substrate (not including clamp pieces).



Fastener identification codes

SF	Secondary Fastener stitching of thin gauge material
JF2	ejoFAST Carbon Steel Self-Drilling/piercing fastener
SFMS	Secondary Fastener Mega Stitcher: stitching of thin gauge material larger diameter stitcher.
HS	Heavy Section Self-Drilling fastener 4.0-12.0mm steel
JT2	Carbon Steel Self-Drilling Fastener
TS	Timber Screw for fixing light gauge metal to timber
LSCF	Light Section Clip Fix steel Self-Drilling fastener 1.2 -3.0mm steel
HSCF	Heavy Section Clip Fix Self-Drilling fastener 4.0-12.0mm steel
TBF	Timber Batten Fastener: timber or sheathing board to 0.9 to 3.0mm steel
WDLS	Wing Driller Light Section steel Self-Drilling: timber 1.5-3.0mm steel
WDHS	4.0mm to 10.0mm



Optional reference

EJOT SAPHIR® Self-Drilling Secondary Fasteners

Reduced point carbon steel with organic corrosion resistant finish. Assembled with aluminium / EPDM vulcanised sealing washers.

EJOT SAPHIR® SF Self-Drilling Secondary Fastener

8mm AF

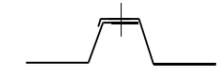


Ø x L (mm)	Washer Options		Min Qty
	A15 Min ECT Max	A19 Min ECT Max	
6.3 x 25	0.7 - 11.0	0.7 - 11.0	100

Order Example: SF 6.3 x 25 A15

Application

For fixing laps of roofing or cladding sheets and flashings



EJOT SAPHIR® JF2-2 Self-Drilling Secondary Fastener

8mm AF

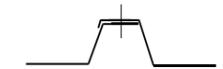


Ø x L (mm)	Washer Options		Min Qty
	A15 Min ECT Max	A19 Min ECT Max	
5.5 x 25	0.5 - 10.0	0.5 - 10.0	100

Order Example: JF2-2-5.5 x 25 A15

Application

For fixing laps of roofing or cladding sheets and flashings



EJOT SAPHIR® SFMS Self-Drilling Secondary Fastener

8mm AF

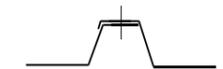


Ø x L (mm)	Washer Options		Min Qty
	S16 Min ECT Max		
8.0 x 25	0.7 - 11.0		100

Order Example: SFMS 8.0 x 25 S16

Application

For fixing laps of roofing or cladding sheets and flashings
High stripping torque for thin steel



EJOT SAPHIR® Self-Drilling Light Section Fasteners

Carbon steel with organic corrosion resistant finish.
Assembled with aluminium / EPDM vulcanised sealing washers.

EJOT SAPHIR® JT2-3 Self-Drilling Light Section Fasteners 8mm AF



Ø x L (mm)	Washer Options		Min Qty
	Unwashed Min ECT Max		
4.8 x 20	1.2 - 8.0		100

Order Example: JT2-3-4.8 x 20

Application

For fixing steel sheets to steel sections from 1.2 to 3.0mm in thickness



EJOT SAPHIR® LS Self-Drilling Light Section Fasteners 8mm AF



Ø x L (mm)	Washer Options			Min Qty
	A15 Min ECT Max	A19 Min ECT Max	A29 Min ECT Max	
5.5 x 25	1.2 - 6.0	1.2 - 6.0		100
5.5 x 32	1.2 - 11.0	1.2 - 11.0	1.2 - 10.0	100
5.5 x 38	1.2 - 14.0	1.2 - 14.0	1.2 - 13.0	100
5.5 x 50	1.2 - 35.0	1.2 - 35.0	1.2 - 34.0	100
5.5 x 70	1.2 - 55.0	1.2 - 55.0	1.2 - 54.0	100

Order Example: LS 5.5 x 25 A15

Application

Roofing or cladding steel sheets
- Steel sections from 1.2 to 3.0 mm in thickness



EJOT SAPHIR® LS Self-Drilling Light Section Fasteners 8mm AF



Ø x L (mm)	Washer Options		Min Qty
	Unwashed		
5.5 x 25	1.2 - 8.0		100
5.5 x 50	1.2 - 37.0		100
5.5 x 70	1.2 - 57.0		100

Order Example: LS 5.5 x 25

Application

For fixing internal steel sections, support bar systems and spacers
- Steel sections from 1.2 to 3.0 mm in thickness



EJOT SAPHIR® Self-Drilling Medium Section Fasteners

Carbon steel with zinc corrosion resistant finish.
Assembled with aluminium / EPDM vulcanised sealing washers.

EJOT SAPHIR® JT2-6 Self-Drilling Medium Section Fasteners 3/8 inch AF

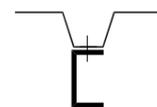


Ø x L (mm)	Washer Options		Min Qty
	A15 Min ECT Max	A19 Min ECT Max	
6.3 x 19	1.5 - 4.0	1.5 - 4.0	100
6.3 x 25	1.5 - 10.0	1.5 - 10.0	100
6.3 x 38	1.5 - 23.0	1.5 - 23.0	100

Order Example: JT2-6-6.3 x 19 A15

Application

Roofing or cladding steel sheets
- Steel sections from 1.5 to 6.0 mm in thickness
N.B. Where higher shear load is required



EJOT SAPHIR® Self-Drilling Heavy Section Fasteners

Carbon steel with organic corrosion resistant finish.
Assembled with aluminium / EPDM vulcanised sealing washers.

EJOT SAPHIR® HS Self-Drilling Heavy Section Fasteners 8mm AF



Ø x L (mm)	Washer Options			Min Qty
	A15 Min ECT Max	A19 Min ECT Max	A29 Min ECT Max	
5.5 x 38	4.0 - 14.0	4.0 - 14.0	4.0 - 13.0	100
5.5 x 55	4.0 - 28.0	4.0 - 28.0	4.0 - 27.0	100
5.5 x 65	4.0 - 39.0	4.0 - 39.0	4.0 - 38.0	100
5.5 x 76	4.0 - 50.0	4.0 - 50.0	4.0 - 49.0	100
5.5 x 100	42.0 - 74.0	42.0 - 74.0	42.0 - 73.0	100

Order Example: HS-5.5 x 38 A15

Application

Profiled roofing or cladding steel sheets
- Steel sections from 4.0 to 12.0 mm in thickness



EJOT SAPHIR® Self-Drilling Heavy Section Fasteners

Carbon steel with organic corrosion resistant finish. Unwashed

EJOT SAPHIR® HS Self-Drilling Heavy Section Fasteners 8mm AF



Ø x L (mm)	Washer Options		Min Qty
	Unwashed		
5.5 x 38	4.0 - 16.0		100
5.5 x 55	4.0 - 30.0		100
5.5 x 65	4.0 - 41.0		100
5.5 x 76	4.0 - 52.0		100
5.5 x 100	42.0 - 76.0		100

Order Example: HS-5.5 x 38

Application

For fixing internal steel sections, support bar systems and spacers
- Steel sections from 4.0 to 12.0 mm in thickness



EJOT SAPHIR® Self-Drilling Heavy Section Fasteners

Carbon steel with zinc corrosion resistant finish.
Assembled with aluminium / EPDM vulcanised sealing washers.

EJOT SAPHIR® JT2-12 Self-Drilling Heavy Section Fasteners 10mm AF



Ø x L (mm)	Washer Options		Min Qty
	A15 Min ECT Max	A19 Min ECT Max	
6.3 x 35	4.0 - 14.0	4.0 - 14.0	100
6.3 x 50	4.0 - 28.0	4.0 - 28.0	100

Order Example: JT2-12-6.3 x 35 A15

Application

Profiled roofing or cladding steel sheets
- Steel sections from 4.0 to 12.0 mm in thickness
N.B. Where higher shear load is required



EJOT SAPHIR® Self-Drilling Heavy Section Fasteners

Carbon steel with organic corrosion resistant finish.
Assembled with aluminium / EPDM vulcanised sealing washers.

EJOT SAPHIR® JT2-18 Self-Drilling Heavy Section Fasteners 8mm AF

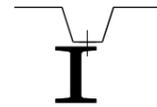


Ø x L (mm)	Washer Options			Min Qty
	A15 Min ECT Max	A19 Min ECT Max	A29 Min ECT Max	
5.5 x 40	4.0 - 12.0	4.0 - 12.0	4.0 - 11.0	100
5.5 x 60	4.0 - 32.0	4.0 - 32.0	4.0 - 31.0	100
5.5 x 80	24.0 - 52.0	24.0 - 52.0	24.0 - 51.0	100
5.5 x 140	84.0 - 112.0	84.0 - 112.0	84.0 - 111.0	100
5.5 x 180	124.0 - 152.0	124.0 - 152.0	124.0 - 151.0	100
5.5 x 220	164.0 - 192.0	164.0 - 192.0	164.0 - 191.0	100

Order Example: JT2-18 5.5 x 40 A15

Application

Roofing or cladding steel sheets and brackets to - Steel sections from 4.0 to 18.0 mm in thickness



EJOT SAPHIR® Self-Drilling Light to Medium Section High Thread Fasteners

Carbon steel with organic corrosion resistant finish.
Assembled with aluminium / EPDM vulcanised sealing washers.

EJOT SAPHIR® JT2-D6 Self-Drilling Light to Medium Section High Thread Fasteners 8mm AF

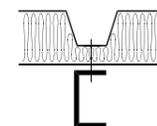
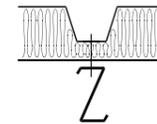


Ø x L (mm)	Washer Options			Min Qty
	A15 Min ECT Max	A19 Min ECT Max	A29 Min ECT Max	
5.5/6.3 x 62	38.0 - 50.0	38.0 - 50.0	38.0 - 49.0	100
5.5/6.3 x 82	30.0 - 70.0	30.0 - 70.0	30.0 - 69.0	100
5.5/6.3 x 102	50.0 - 90.0	50.0 - 90.0	50.0 - 89.0	100
5.5/6.3 x 122	70.0 - 110.0	70.0 - 110.0	70.0 - 109.0	100
5.5/6.3 x 135	83.0 - 123.0	83.0 - 123.0	83.0 - 122.0	100
5.5/6.3 x 152	100.0 - 140.0	100.0 - 140.0	100.0 - 139.0	100
5.5/6.3 x 172	120.0 - 160.0	120.0 - 160.0	120.0 - 159.0	100
5.5/6.3 x 192	140.0 - 180.0	140.0 - 180.0	140.0 - 179.0	100
5.5/6.3 x 232	180.0 - 220.0	180.0 - 220.0	180.0 - 119.0	100
5.5/6.3 x 262	210.0 - 250.0	210.0 - 250.0	210.0 - 249.0	100

Order Example: JT2 -D6-5.5/6.3 x 62 A15

Application

Steel faced insulated sandwich panels - Steel sections from 1.2 to 6.0mm in thickness



EJOT SAPHIR® Self-Drilling Heavy Section High Thread Fasteners

Carbon steel with organic corrosion resistant finish.
Assembled with aluminium / EPDM vulcanised sealing washers.

EJOT SAPHIR® JT2-D12 Self-Drilling Heavy Section High Thread Fasteners 8mm AF

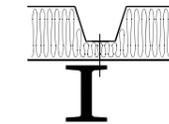


Ø x L (mm)	Washer Options			Min Qty
	A15 Min ECT Max	A19 Min ECT Max	A29 Min ECT Max	
5.5/6.3 x 95	55.0 - 73.0	55.0 - 73.0	55.0 - 72.0	100
5.5/6.3 x 115	65.0 - 93.0	65.0 - 93.0	65.0 - 92.0	100
5.5/6.3 x 135	75.0 - 113.0	75.0 - 113.0	75.0 - 112.0	100
5.5/6.3 x 155	95.0 - 135.0	95.0 - 135.0	95.0 - 134.0	100
5.5/6.3 x 195	125.0 - 175.0	125.0 - 175.0	125.0 - 174.0	100
5.5/6.3 x 235	165.0 - 215.0	165.0 - 215.0	165.0 - 214.0	100
5.5/6.3 x 250	180.0 - 230.0	180.0 - 230.0	180.0 - 229.0	100
5.5/6.3 x 275	205.0 - 255.0	205.0 - 255.0	205.0 - 254.0	100
5.5/6.3 x 300	230.0 - 280.0	230.0 - 280.0	230.0 - 279.0	100

Order Example: JT2-D12- 5.5/6.3 x 95 A15

Application

Steel faced insulated sandwich panels - Steel sections from 4.0 to 12.0 mm in thickness



EJOT SAPHIR® Self-Drilling Timber Fasteners

Carbon steel with organic corrosion resistant finish.
Assembled with aluminium / EPDM vulcanised sealing washers.

EJOT SAPHIR® TS Self-Drilling Timber Fasteners 8mm AF

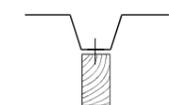


Ø x L (mm)	Washer Options			Min Qty
	A15 Min ECT Max	A19 Min ECT Max	A29 Min ECT Max	
6.3 x 32				100
6.3 x 45				100
6.3 x 60				100

Order Example: TS 6.3 x 32 A15

Application

Roofing or cladding steel sheets - Timber
Mechanical performance is dependant on embedment and grade of timber



EJOT SAPHIR® Self-Drilling Fibre Cement Light Section Fasteners

Carbon steel with organic corrosion resistant finish.
Assembled with stainless steel / EPDM composite 'BAZ' washers.

EJOT SAPHIR® JT2-FZ-3 Self-Drilling Fibre Cement Light Section Fasteners 8mm AF



Ø x L (mm)	Washer Options	Min Qty
	BAZ Min ECT Max	
6.3 x 90	50.0 - 62.0	100
Order Example: JT2-FZ-3-6.3 X 90 BAZ		

Application
Fibrous cement sheets
- Steel sections from 1.2mm to 2.0mm in thickness
- For loadings and usage of these fasteners please refer to the sheet manufacturer



EJOT SAPHIR® Self-Drilling Fibre Cement Heavy Section Fasteners

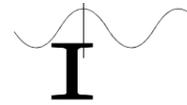
Carbon steel with organic corrosion resistant finish.
Assembled with stainless steel / EPDM composite 'BAZ' washers.

EJOT SAPHIR® JT2-FZ-12 Self-Drilling Fibre Cement Heavy Section Fasteners 8mm AF



Ø x L (mm)	Washer Options	Min Qty
	BAZ Min ECT Max	
6.3 x 115	60.0 - 85.0	100
Order Example: JT2-FZ-12 6.3 x 115 BAZ		

Application
Fibrous cement sheets
- Steel sections from 4.0 to 12.0 mm in thickness
For loadings and usage of these fasteners please refer to the sheet manufacturer



EJOT SAPHIR® Self-Drilling Fibre Cement Timber Fasteners

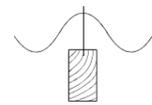
Carbon steel with organic corrosion resistant finish.
Assembled with stainless steel / EPDM composite 'BAZ' washers.

EJOT SAPHIR® JT2-FZ-F Self-Drilling Fibre Cement Timber Fasteners 8mm AF



Ø x L (mm)	Washer Options	Min Qty
	BAZ Min ECT Max	
6.5 x 130		100
Order Example: JT2-FZ-F-6.5 x 130 BAZ		

Application
Fibrous cement sheets
- Timber
For loadings and usage of these fasteners please refer to the sheet manufacturer



EJOT Self-Drilling Light Section Clip-Fix Fasteners

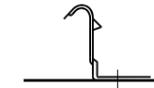
Carbon steel with organic corrosion resistant finish.
Low profile head to prevent interference. Unwashed.

EJOT LSCF Self-Drilling Light Section Clip-Fix Fasteners P3



Ø x L (mm)	Min ECT Max	Drive Type	Min Qty
5.5 x 25	2.0 - 12.0	P3	100
Order Example: LSCF 5.5 x 25			

Application
Clips
- Steel sheet from 1.2 to 3.0 mm in thickness



EJOT Self-Drilling Heavy Section Clip-Fix Fasteners

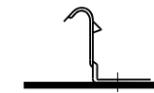
Carbon steel with organic corrosion resistant finish.
Low profile head to prevent interference. Unwashed.

EJOT HSCF Self-Drilling Heavy Section Clip-Fix Fasteners P3



Ø x L (mm)	Min ECT Max	Drive Type	Min Qty
5.5 x 38	5.0 - 15.0	P3	100
Order Example: HSCF 5.5 x 38			

Application
Clips
- Steel sections from 4.0 to 12.0mm in thickness



EJOT SAPHIR® Self-Drilling Light Section Low Profile Head Fasteners

Carbon steel with organic corrosion resistant finish.
Low profile head to prevent interference. Unwashed.

EJOT SAPHIR® JT2-NH3 Self-Drilling Light Section Low Profile Head Fasteners P2



Ø x L (mm)	Min ECT Max	Drive Type	Min Qty
5.5 x 19	1.2 - 3.0	P2	100
Order Example: JT2-NH3-5.5 x 19			

Application

Steel
- Steel, where the combined thickness is not greater than 3.0 mm
N.B. Where the minimum head height dimension is required



EJOT SAPHIR® Self-Drilling Medium Section Low Profile Head Fasteners

Carbon steel with organic corrosion resistant finish.
Low profile head to prevent interference. Unwashed.

EJOT SAPHIR® JT2-LH6 Self-Drilling Medium Section Low Profile Head Fasteners 8mm AF (CF)



Ø x L (mm)	Min ECT Max	Drive Type	Min Qty
5.5 x 22	1.2 - 8.0	8mm HEX (CF)	100
Order Example: JT2-LH6 5.5 x 22			

Application

Steel
- Steel where the combined thickness is not greater than 6.0mm.
N.B. Low profile hexagon head for where a minimum head height is required



EJOT SAPHIR® Self-Drilling Timber Batten-Fix Fasteners

Carbon steel with organic corrosion resistant finish.
Underhead ribs designed to aid embedment into timber.

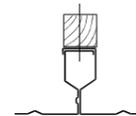
EJOT SAPHIR® TBF Self-Drilling Timber Batten-Fix Fasteners P2



Ø x L (mm)	Min ECT Max	Drive Type	Min Qty
4.8 x 30	5.0 - 14.0	P2	100
4.8 x 45	5.0 - 29.0	P2	100
4.8 x 66	5.0 - 50.0	P2	100
Order Example: TBF 4.8 x 45			

Application

Timber battens or sheathing board to
- Steel liner trays from 2 x 0.75mm to 2 x 1.2mm
- Light steel frames from 0.9mm to 3.0mm



EJOT SAPHIR® Self-Drilling Light Section Wing Drill Fasteners

Carbon steel with organic corrosion resistant finish.
Underhead ribs designed to aid embedment into timber.

EJOT SAPHIR® WDL5 Self-Drilling Light Section Wing Drill Fasteners P3



Ø x L (mm)	Min ECT Max	Drive Type	Min Qty
5.5 x 65	6.5 - 47.0	P3	100
5.5 x 85	23.0 - 67.0	P3	100
5.5 x 127	65.0 - 109.0	P3	100
Order Example: WDL5 5.5 x 65			

Application

Timber
- Steel sections from 1.5 to 3.0 mm in thickness



EJOT SAPHIR® Self-Drilling Heavy Section Wing Drill Fasteners

Carbon steel with organic corrosion resistant finish.
Underhead ribs designed to aid embedment into timber.

EJOT SAPHIR® WDHS Self-Drilling Heavy Section Wing Drill Fasteners P3



Ø x L (mm)	Min ECT Max	Drive Type	Min Qty
5.5 x 65	8.0 - 35.0	P3	100
5.5 x 85	30.0 - 55.0	P3	100
5.5 x 119	60.0 - 89.0	P3	100
Order Example: WDHS 5.5 x 65			

Application

Timber
- Steel sections from 4.0 to 10.0 mm in thickness



EJOT SAPHIR® Carbon Steel Self-Drilling Countersunk head fasteners

Carbon steel with organic corrosion resistant finish.

EJOT SAPHIR® JT2-ST-2 Carbon Steel Self-Drilling Countersunk head fasteners T25



Ø x L (mm)	Washer Options	Min Qty
	Min ECT Max	
6.0 x 60	-	100
6.0 x 80	-	100
6.0 x 100	-	100
6.0 x 120	-	100
6.0 x 140	-	100
6.0 x 160	-	100
6.0 x 180	-	100
6.0 x 200	-	100

Order Example: JT2-ST-2-6.0 x 60

Application
 For fixing
 - Sections from 0.7 to 1.6mm steel in thickness, or Timber

EJOT SAPHIR® Carbon Steel Self-Drilling SIP Fasteners

Carbon steel with organic corrosion resistant finish.

EJOT SAPHIR® JT2-SP-2 Self-Drilling Timber Fasteners T30



Ø x L (mm)	Washer Options	Min Qty
	Min ECT Max	
7.0 x 70	-	100
7.0 x 175	-	100
7.0 x 200	-	100
7.0 x 225	-	100
7.0 x 275	-	100

Order Example: JT2-SP-2-7.0 x 70

Application
 For securing SIP structural insulated panels to timber

EJOT SAPHIR® Self-Drilling Light to Medium Section Fasteners

Carbon steel with organic corrosion resistant finish.

EJOT SAPHIR® JT2-SP-6 Self-Drilling Light to Medium Section Fasteners T30



Ø x L (mm)	Washer Options	Min Qty
	Min ECT Max	
6.3 x 185	95.0 - 152.0	100

Order Example: JT2-SP-6-6.3 x 185

Application
 For securing SIP structural insulated panels to steel sections from 2.0mm to 6.0mm in thickness

EJOT Super-SAPHIR®

Self-Drilling Fasteners - Bi-Metallic JT3/JT6



PRODUCT GROUP

EJOT Super-SAPHIR® fasteners are manufactured from (JT3) 304 A2 and (JT6) 316 A4 Austenitic stainless steel with a hardened carbon steel drill point welded to the stainless steel shank.

DESIGN

The hardened drill point enables the screw to drill carbon steel sections and by having the lead threads formed on this hardened point this allows for correct tapping at high drilling speed (see installation table on page 48).

ASSEMBLY

Where specified fasteners can be assembled with a stainless steel or Aluminum EPDM vulcanised sealing washer ensuring a safe seal every time.

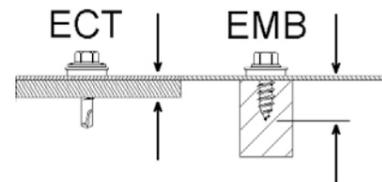
FINISH

These fasteners are zinc coated for aesthetic reasons and waxed to lubricate the surface during installation.



EJOT COLOUR MATCHING

Colour matching and additional corrosion resistance is available for many hexagon headed fasteners in our Self-Drilling ranges - please see EJOT Colorfast® on page 36. Colour match powder-coating available for all low profile stainless steel fasteners in this range. Please ask for details.

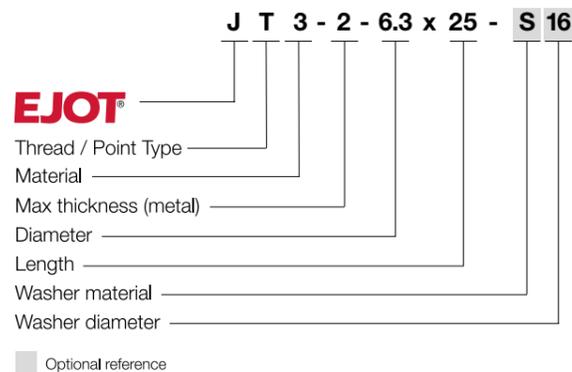


Effective Clamping Thickness

(ECT) is the total thickness of the build up to be fixed.

Embedment

(EMB) figures relate to depth into substrate (not including clamp pieces).



Fastener identification codes

JT3	A2 Stainless Steel Bi-Met Self-Drilling fastener Bi-Met = Head and main threaded section of fastener stainless steel with hardened carbon steel drill point (including lead-in threads) welded onto stainless steel fastener)
JF3	EJOFAST A2 Grade Stainless Steel Bi-Met Self-Drilling/piercing fastener
RLS	Roof Light Stitcher
JF6	EJOFAST A4 Grade Stainless Steel Bi-Met Self-Drilling/piercing Fastener
JT6	A4 Grade Stainless Steel Bi-Met Self-Drilling fastener

EJOT Super-SAPHIR® Stainless Steel Bi-Met Self-Drilling Fasteners

Austenitic Stainless Steel secondary fasteners with a carbon steel drill point. Assembled with stainless steel or aluminium / EPDM vulcanised sealing washers.

EJOT Super-SAPHIR® JT3-2-6.3 Stainless Steel Bi-Met Self-Drilling Fasteners 8mm AF

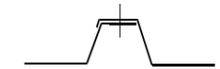


Ø x L (mm)	Washer Options		Min Qty
	S16 Min ECT Max	S19 Min ECT Max	
6.3 x 25	1.2 - 8.0	1.2 - 8.0	100

Order Example: JT3-2-6.3 x 25 S16

Application

Laps of roofing or cladding sheets and flashings



EJOT Super-SAPHIR® JT3-2-6.0 Stainless Steel Bi-Met Self-Drilling Fasteners 8mm AF

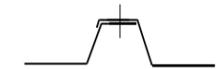


Ø x L (mm)	Washer Options			Min Qty
	S16 Min ECT Max	S19 Min ECT Max	A29 Min ECT Max	
6.0 x 25	0.7 - 8.0	0.7 - 8.0	-	100
6.0 x 35	0.7 - 18.0	0.7 - 18.0	0.7 - 17.0	100

Order Example: JT3-2-6.0 x 25 S16

Application

Laps of roofing or cladding sheets and rooflights and flashings



EJOT Super-SAPHIR® JF3-2-5.5 Stainless Steel Bi-Met Self-Drilling Fasteners 8mm AF

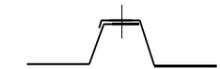


Ø x L (mm)	Washer Options		Min Qty
	S16 Min ECT Max	S19 Min ECT Max	
5.5 x 25	0.5 - 8.0	0.5 - 8.0	100
5.5 x 35	0.5 - 18.0	0.5 - 18.0	100

Order Example: JF3-2-5.5 x 25 S16

Application

Laps of roofing or cladding sheets and flashings



EJOT SAPHIR® Secondary Fasteners

Reduced point carbon steel with organic corrosion resistant finish. Assembled with aluminium / EPDM vulcanised sealing washers.

EJOT SAPHIR® RLS Rooflight Stitching Fastener 8mm AF



Ø x L (mm)	Washer Options		Min Qty
	S19 Min ECT Max	A29 Min ECT Max	
RLS x 25	8.0 - 16.0	8.0 - 15.0	100

Order Example: RLS x 25 S19

Application

For fixing rooflight laps



EJOT Super-SAPHIR® Stainless Steel Bi-Met Self-Drilling Fasteners

Austenitic Stainless Steel light section fasteners with a carbon steel drill point.
Assembled with stainless steel or aluminium / EPDM vulcanised sealing washers.

EJOT Super-SAPHIR® JT3-3-5.5 Stainless Steel Bi-Met Self-Drilling Fasteners 8mm AF



Ø x L (mm)	Washer Options			Min Qty
	S16 Min ECT Max	S19 Min ECT Max	A29 Min ECT Max	
5.5 x 25	1.2 - 8.0	1.2 - 8.0	-	100
5.5 x 35	1.2 - 16.0	1.2 - 16.0	1.2 - 15.0	100
5.5 x 50	1.2 - 31.0	1.2 - 31.0	1.2 - 30.0	100
5.5 x 70	21.0 - 51.0	21.0 - 51.0	21.0 - 50.0	100

Order Example: JT3-3-5.5 x 25 S16

Application
Roofing or cladding steel or aluminium sheets
Steel sections from 1.2 to 3.0 mm



EJOT Super-SAPHIR® Stainless Steel Bi-Met Self-Drilling Fasteners

Austenitic Stainless Steel fasteners with a carbon steel drill point for standing seam applications.
Assembled with stainless steel / EPDM vulcanised sealing washers.

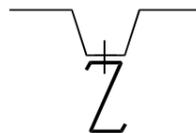
EJOT Super-SAPHIR® JT3-3-6.3 Stainless Steel Bi-Met Self-Drilling Fasteners 8mm AF



Ø x L (mm)	Washer Options		Min Qty
	S16 Min ECT Max		
6.3 x 38	1.2 - 20.0		100
6.3 x 50	1.2 - 32.0		100

Order Example: JT3-3-6.3 x 38 S16

Application
Standing seam halter brackets Or
Helping hand brackets to - Steel sections from 1.2 to 3.0 mm in thickness



EJOT Super-SAPHIR® Stainless Steel Bi-Met Self-Drilling Fasteners

Austenitic Stainless Steel fasteners with a carbon steel drill point for standing seam applications.
Unwashed.

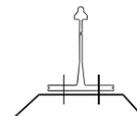
EJOT Super-SAPHIR® JT3-X2 Stainless Steel Bi-Met Self-Drilling Fasteners 8mm AF



Ø x L (mm)	Washer Options		Min Qty
	Unwashed Min ECT Max		
6.0 x 25	0.7 - 9.0		100
6.0 x 36	0.7 - 20.0		100
6.0 x 46	0.7 - 30.0		100

Order Example: JT3-X2-6.0 x 36

Application
Standing seam halter brackets - Steel sections from 0.7 to 1.6 mm in thickness



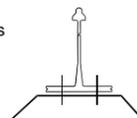
EJOT Super-SAPHIR® JT3-X4 Stainless Steel Bi-Met Self-Drilling Fasteners 8mm AF



Ø x L (mm)	Washer Options		Min Qty
	Unwashed Min ECT Max		
6.0 x 50	4.0 - 30.0		100

Order Example: JT3-X4-6.0 x 50

Application
Standing seam halter brackets - Steel sections from 1.6 to 4.0 mm in thickness



EJOT Super-SAPHIR® Stainless Steel Bi-Met Timber Batten Fasteners

Austenitic Stainless Steel fasteners with a carbon steel drill point for fixing timber battens to thin sheet sections and composite panels.

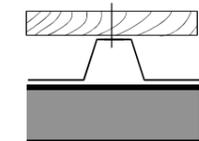
EJOT SAPHIR® JT3-X2-6.0 x 60/25 Stainless Steel Bi-Met Timber Batten Fasteners P3



Ø x L (mm)	Washer Options		Min Qty
	Unwashed Min ECT Max		
6.0 x 60 / 25	0 - 26		100

Order Example: JT3-X2-6.0 x 60/25

Application
Timber battens to steel faced composite panels from 0.4mm to 0.7mm
Fastener has a pilot point to ensure successful installation without jacking.



EJOT SUPER-SAPHIR Wing Drilling Screw Fixing Metal to Timber

Austenitic stainless steel with hardened drill point. The wings ream out the wood larger than the thread diameter and prevent force feeding of the screw.

EJOT SUPER-SAPHIR® Self-Drilling Medium Section Screw JT3-WD-6-5.5 T25



Ø x L (mm)	Washer Options		Min Qty
	Unwashed Min ECT Max		
5.5 x 45	0 - 26		100
5.5 x 65	0 - 46		100

Order Example: JT3-WD-6-5.5x 65-R

Application
For securing timber and sheathing boards to steel sections minimum 2.0mm to maximum 6.0mm.



EJOT Super-SAPHIR® Stainless Steel Bi-Met Self-Drilling Fasteners

Austenitic stainless steel fasteners with a carbon steel drill point for fixing timber battens to thin sheet sections and composite panels.

EJOT SAPHIR® JT3-ST-2 Stainless Steel Bi-Met Self-Drilling Fasteners T25



Ø x L (mm)	Washer Options		Min Qty
	Unwashed Min ECT Max		
6.0 x 35	-		100
6.0 x 60	-		100
6.0 x 80	-		100
6.0 x 100	-		100
6.0 x 120	-		100
6.0 x 140	-		100
6.0 x 160	-		100
6.0 x 180	-		100
6.0 x 200	-		100

Order Example: JT3-ST-2-6.0 x 80

Application
- Steel sections from 0.7 to 1.6 mm in thickness, and timber

EJOT Super-SAPHIR® Pierce Point Standing Seam Clip Fastener

Austenitic stainless steel fasteners with a carbon steel pierce point for fully supported standing seam clips

EJOT SAPHIR® JF3-STX-2 4.8 Self-Piercing Clip Fastener T20W



Ø x L (mm)	Washer Options		Min Qty
	Unwashed Min ECT Max		
4.8 x 25	-		100

Order Example: JF3-STX-2-4.8 x 25

Application
Fully supported metal systems stainless steel clip fastener.
Installation into timber, plywood and OSB structures
Installation into steel faced composite panel substrates

EJOT Super-SAPHIR® Stainless Steel Bi-Met Self-Drilling Fasteners

Austenitic stainless steel fasteners with a carbon steel drill point for medium steel sections. Assembled with stainless steel or aluminium / EPDM vulcanised sealing washers.

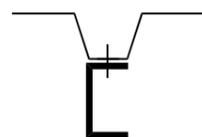
EJOT Super-SAPHIR® JT3-6 Stainless Steel Bi-Met Self-Drilling Fasteners 8mm AF



Ø x L (mm)	Washer Options			Min Qty
	S16 Min ECT Max	S19 Min ECT Max	A29 Min ECT Max	
5.5 x 25	2.0 - 7.0	2.0 - 7.0	2.0 - 6.0	100
5.5 x 30	2.0 - 12.0	2.0 - 12.0	2.0 - 11.0	100
5.5 x 50	2.0 - 32.0	2.0 - 32.0	2.0 - 31.0	100
5.5 x 70	22.0 - 52.0	22.0 - 52.0	22.0 - 51.0	100
5.5 x 90	42.0 - 72.0	42.0 - 72.0	42.0 - 71.0	100
5.5 x 110	62.0 - 92.0	62.0 - 92.0	62.0 - 91.0	100
5.5 x 130	82.0 - 111.0	82.0 - 111.0	82.0 - 110.0	100
5.5 x 150	102.0 - 131.0	102.0 - 131.0	102.0 - 130.0	100
5.5 x 170	122.0 - 151.0	122.0 - 151.0	122.0 - 150.0	100
5.5 x 190	142.0 - 171.0	142.0 - 171.0	142.0 - 170.0	100
*6.3 x 25	2.0 - 7.0	2.0 - 7.0	2.0 - 6.0	100

Order Example: JT3-6-5.5 x 25 S16

Application
Roofing or cladding steel or aluminium sheets
- Steel sections from 1.2 to 6.0 mm in thickness
* See bottom of table for 6.3 x 25, should be used where higher shear load is required



EJOT Super-SAPHIR® JT3-12 Stainless Steel Bi-Met Self-Drilling Fasteners 8mm AF



Ø x L (mm)	Washer Options			Min Qty
	S16 Min ECT Max	S19 Min ECT Max	A29 Min ECT Max	
5.5 x 40	4.0 - 12.0	4.0 - 12.0	4.0 - 11.0	100
5.5 x 67	4.0 - 39.0	4.0 - 39.0	4.0 - 38.0	100

Order Example: JT3-12-5.5 x 40 S16

Application
Roofing or cladding steel or aluminium sheets
- Steel sections from 4.0 to 12.0 mm in thickness



EJOT Super-SAPHIR® Stainless Steel Bi-Met Self-Drilling Fasteners

Austenitic stainless steel fasteners with a carbon steel drill point for medium steel sections. Assembled with stainless steel or aluminium / EPDM vulcanised sealing washers.

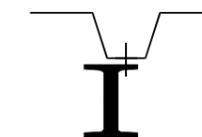
EJOT Super-SAPHIR® JT3-18 Stainless Steel Bi-Met Self-Drilling Fasteners 8mm AF



Ø x L (mm)	Washer Options			Min Qty
	S16 Min ECT Max	S19 Min ECT Max	A29 Min ECT Max	
5.5 x 55	4.0 - 18.0	4.0 - 18.0	4.0 - 17.0	100
5.5 x 115	41.0 - 79.0	41.0 - 79.0	41.0 - 78.0	100
5.5 x 155	81.0 - 119.0	81.0 - 119.0	81.0 - 118.0	100
5.5 x 195	121.0 - 159.0	121.0 - 159.0	121.0 - 158.0	100
5.5 x 235	161.0 - 199.0	161.0 - 199.0	161.0 - 198.0	100
5.5 x 275	201.0 - 239.0	210.0 - 239.0	201.0 - 238.0	100

Order Example: JT3-18 5.5 x 55 S16

Application
Roofing or cladding steel or aluminium sheets
- Steel sections from 4.0 to 18.0 mm in thickness



EJOT Super-SAPHIR® Stainless Steel Bi-Met Self-Drilling Fasteners

Austenitic stainless steel fasteners with a carbon steel drill point for fixing composite panels to light/medium thickness steel sections. Assembled with stainless steel or aluminium / EPDM vulcanised sealing washers.

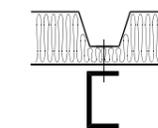
EJOT Super-SAPHIR® JT3-D-6H Stainless Steel Bi-Met Self-Drilling Fasteners 8mm AF



Ø x L (mm)	Washer Options			Min Qty
	S16 Min ECT Max	S19 Min ECT Max	A29 Min ECT Max	
5.5/6.3 x 67	36.0 - 48.0	36.0 - 48.0	36.0 - 47.0	100
5.5/6.3 x 87	44.0 - 68.0	44.0 - 68.0	44.0 - 67.0	100
5.5/6.3 x 107	54.0 - 88.0	54.0 - 88.0	54.0 - 87.0	100
5.5/6.3 x 127	74.0 - 108.0	74.0 - 108.0	74.0 - 107.0	100
5.5/6.3 x 147	94.0 - 128.0	94.0 - 128.0	94.0 - 127.0	100
5.5/6.3 x 167	114.0 - 148.0	114.0 - 148.0	114.0 - 147.0	100
5.5/6.3 x 197	144.0 - 178.0	144.0 - 178.0	144.0 - 177.0	100
5.5/6.3 x 237	174.0 - 218.0	174.0 - 218.0	174.0 - 217.0	100
5.5/6.3 x 267	204.0 - 248.0	204.0 - 248.0	204.0 - 247.0	100

Order Example: JT3-D-6H-5.5/6.3 x 67 S16

Application
Steel profiled insulated sandwich panels
- Steel sections from 1.2 to 6.0mm in thickness



EJOT Super-SAPHIR® Stainless Steel Bi-Met Self-Drilling Fasteners

Austenitic Stainless Steel fasteners with a carbon steel drill point for fixing composite panels to hot rolled steel sections. Assembled with stainless steel or aluminium / EPDM vulcanised sealing washers.

EJOT Super-SAPHIR® JT3-D-12H Stainless Steel Bi-Met Self-Drilling Fasteners 8mm AF

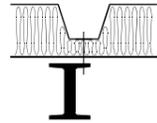


Ø x L (mm)	Washer Options			Min Qty
	S16 Min ECT Max	S19 Min ECT Max	A29 Min ECT Max	
5.5/6.3 x 95	58.0 - 70.0	58.0 - 70.0	58.0 - 69.0	100
5.5/6.3 x 115	68.0 - 90.0	68.0 - 90.0	68.0 - 89.0	100
5.5/6.3 x 135	82.0 - 110.0	82.0 - 110.0	82.0 - 109.0	100
5.5/6.3 x 155	102.0 - 130.0	102.0 - 130.0	102.0 - 129.0	100
5.5/6.3 x 175	120.0 - 150.0	120.0 - 150.0	120.0 - 149.0	100
5.5/6.3 x 195	140.0 - 170.0	140.0 - 170.0	140.0 - 169.0	100
5.5/6.3 x 245	180.0 - 220.0	180.0 - 220.0	180.0 - 219.0	100
5.5/6.3 x 275	200.0 - 250.0	200.0 - 250.0	200.0 - 249.0	100
5.5/6.3 x 300	225.0 - 275.0	225.0 - 275.0	225.0 - 274.0	100

Order Example: JT3-D-12H 5.5/6.3 x 95 S16

Application

Steel faced insulated sandwich panels
- Steel sections from 4.0 to 12.0mm in thickness



EJOT Super-SAPHIR® Stainless Steel Bi-Met Self-Drilling Fasteners

Austenitic Stainless Steel fasteners with a carbon steel drill point for timber sections. Assembled with stainless steel or aluminium / EPDM vulcanised sealing washers.

EJOT Super-SAPHIR® JT3-2-5.6 Stainless Steel Bi-Met Self-Drilling Fasteners 8mm AF

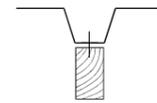


Ø x L (mm)	Washer Options		Min Qty
	S16 Min ECT Max	S19 Min ECT Max	
5.6 x 35	-	-	100

Order Example: JT3-2-5.6 x 35 S16

Application

Roofing or cladding steel or aluminium sheets
- Timber
Mechanical performance is dependant on embedment and grade of timber



EJOT Super-SAPHIR® JT3-2-6.5 Stainless Steel Bi-Met Self-Drilling Fasteners 8mm AF

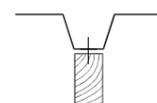


Ø x L (mm)	Washer Options		Min Qty
	S16 Min ECT Max	S19 Min ECT Max	
6.5 x 50	-	-	100
6.5 x 65	-	-	100
6.5 x 80	-	-	100

Order Example: JT3-2-6.5 x 50 S16

Application

Roofing or cladding steel or aluminium sheets
- Timber
Mechanical performance is dependant on embedment and grade of timber



EJOT Super-SAPHIR® Stainless Steel Bi-Met Self-Drilling Fasteners

Austenitic Stainless Steel fasteners with a carbon steel drill point. Low profile head to prevent interference. Unwashed.

EJOT SAPHIR® JT3-LT3 Stainless Steel Bi-Met Self-Drilling Fasteners T25

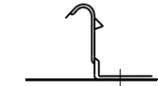


Ø x L (mm)	Washer Options		Min Qty
	Unwashed Min ECT Max		
5.5 x 25	2.0 - 10.0		100

Order Example: JT3-LT3-5.5 x 25

Application

Clips
- Steel section from 1.2 to 3.0 mm in thickness



EJOT Super-SAPHIR® Stainless Steel Bi-Met Self-Drilling Fasteners

Austenitic Stainless Steel secondary fasteners with a carbon steel drill point. Low profile head. Assembled with a stainless steel / EPDM vulcanised sealing washer.

EJOT SAPHIR® JT3-FR-2H Stainless Steel Bi-Met Self-Drilling Fasteners T25



Ø x L (mm)	Washer Options		Min Qty
	S12 Min ECT Max		
4.8 x 19	2.0 - 4.0		100
6.3 x 25	2.0 - 9.0		100

Order Example: JT3-FR-2H-4.8 x 19 S12

Application

Laps of roofing or cladding sheets and flashings



EJOT Super-SAPHIR® Stainless Steel Bi-Met Self-Drilling Fasteners

Austenitic Stainless Steel secondary fasteners with a carbon steel pierce point. Assembled with stainless steel or aluminium / EPDM vulcanised sealing washer.

EJOT SAPHIR® JF3-FR-2-5.5 x 25 Stainless Steel Bi-Met Self-Drilling Fasteners T25



Ø x L (mm)	Washer Options		Min Qty
	S12 Min ECT Max		
5.5 x 25	0.5 - 8.0		100

Order Example: JF3-FR-2 5.5 x 25 S12

Application

Laps of roofing or cladding sheets and flashings



EJOT Super-SAPHIR® Stainless Steel Bi-Met Self-Drilling Fasteners

Austenitic Stainless Steel fasteners with a carbon steel drill point for fixing to light section steel. Low profile head. Assembled with a stainless steel / EPDM vulcanised sealing washer.

EJOT SAPHIR® JT3-FR-2H Plus Stainless Steel Bi-Met Self-Drilling Fasteners T25



Ø x L (mm)	Washer Options		Min Qty
	S12 Min ECT Max		
5.5 x 25	2.0 - 7.0		100

Order Example: JT3-FR-2H PLUS 5.5 x 25 S12

Application

Roofing or cladding steel or aluminium sheets
- Steel sections from 0.7 to 2.0 mm in thickness



EJOT Super-SAPHIR® Stainless Steel Bi-Met Self-Drilling Fasteners

Austenitic Stainless Steel fasteners with a carbon steel drill point for fixing to light section steel. Low profile head. Assembled with a stainless steel / EPDM vulcanised sealing washer.

T25



Ø x L (mm)	Washer Options	Min Qty
	S12 Min ECT Max	
5.5 x 50	1.2 - 30.0	100
Order Example: JT3-FR-3-5.5 x 50 S12		

Application
Roofing or cladding steel or aluminium sheets
- Steel sections from 1.2 to 3.0 mm in thickness



EJOT Super-SAPHIR® Stainless Steel Bi-Met Self-Drilling Fasteners

Austenitic Stainless Steel fasteners with a carbon steel drill point for fixing to medium section steel. Low profile head. Assembled with a stainless steel / EPDM vulcanised sealing washer.

T25



Ø x L (mm)	Washer Options	Min Qty
	S12 Min ECT Max	
5.5 x 25	1.2 - 6.0	100
5.5 x 35	1.2 - 16.0	100
Order Example: JT3-FR-6-5.5 x 25 S12		

Application
Roofing or cladding steel or aluminium sheets
- Steel sections from 1.2 to 6.0 mm in thickness



EJOT Super-SAPHIR® Stainless Steel Bi-Met Self-Drilling Fasteners

Austenitic Stainless Steel fasteners with a carbon steel drill point for fixing to heavy section steel. Low profile head. Assembled with a stainless steel / EPDM vulcanised sealing washer.

T25



Ø x L (mm)	Washer Options	Min Qty
	S12 Min ECT Max	
5.5 x 40	4.0 - 12.0	100
Order Example: JT3-FR-12-5.5 x 40 S12		

Application
Roofing or cladding steel or aluminium sheets
- Steel sections from 4.0 to 12.0mm in thickness



EJOT Super-SAPHIR® Stainless Steel Bi-Met Self-Drilling Fasteners

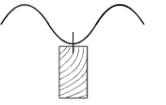
Austenitic Stainless Steel fasteners with a carbon steel drill point for fixing to timber sections. Low profile head. Assembled with a stainless steel / EPDM vulcanised sealing washer.

T25



Ø x L (mm)	Washer Options	Min Qty
	S12 Min ECT Max	
4.9 x 35	-	100
Order Example: JT3-FR-2-4.9 x 35 S12		

Application
Roofing or cladding steel or aluminium sheets
- Timber
Mechanical performance is dependant on embedment and grade of timber



EJOT Super-SAPHIR® Stainless Steel A4 Bi-Met Self-Drilling Fasteners

Austenitic Stainless Steel A4 (316) secondary fasteners with a carbon steel pierce point. Assembled with stainless steel or aluminium / EPDM vulcanised sealing washers.

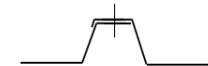
EJOT SAPHIR® JF6-2 Stainless Steel A4 Bi-Met Self-Drilling Fasteners

8mm AF



Ø x L (mm)	Washer Options		Min Qty
	S16 Min ECT Max	S19 Min ECT Max	
5.5 x 25	0.5 - 8.0	0.5 - 8.0	100
Order Example: JF6-2-5.5 x 25 S16			

Application
Laps of roofing or cladding sheets and flashings



EJOT Super-SAPHIR® Stainless Steel A4 Bi-Met Self-Drilling Fasteners

Austenitic Stainless Steel A4 (316) fasteners with a carbon steel drill point for medium steel sections. Assembled with stainless steel or aluminium / EPDM vulcanised sealing washers.

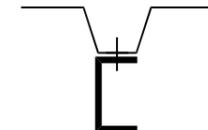
EJOT SAPHIR® JT6-6 Stainless Steel A4 Bi-Met Self-Drilling Fasteners

8mm AF



Ø x L (mm)	Washer Options			Min Qty
	S16 Min ECT Max	S19 Min ECT Max	A29 Min ECT Max	
5.5 x 25	1.2 - 8.0	1.2 - 8.0	-	100
5.5 x 35	1.2 - 17.0	1.2 - 17.0	1.2 - 16.0	100
Order Example: JT6-6-5.5 x 25 S16				

Application
Roofing or cladding steel or aluminium sheets
- Steel sections from 1.2 to 6.0 mm in thickness



EJOT Super-SAPHIR® Stainless Steel A4 Bi-Met Self-Drilling Fasteners

Austenitic Stainless Steel A4 (316) fasteners with a carbon steel drill point for fixing light section steel. Assembled with a stainless steel / EPDM vulcanised sealing washer.

EJOT SAPHIR® JT6-2-6.3 x 30/10 Stainless Steel A4 BiMet Self-Drilling Fasteners 8mm AF



Ø x L (mm)	Washer Options		Min Qty
	S16 Min ECT Max	S19 Min ECT Max	
5.5 x 30	9.0	9.0	100

Order Example: JT6-2-6.3 x 30/10 S16

Application
Laps of roofing and cladding sheets and Rooflight and flashings



EJOT Super-SAPHIR® Stainless Steel A4 Bi-Met Self-Drilling Fasteners

Austenitic Stainless Steel A4 (316) fasteners with a carbon steel drill point for hot rolled steel sections. Assembled with stainless steel or aluminium / EPDM vulcanised sealing washers.

EJOT SAPHIR® JT6-12 Stainless Steel A4 Bi-Met Self-Drilling Fasteners 8mm AF



Ø x L (mm)	Washer Options			Min Qty
	S16 Min ECT Max	S19 Min ECT Max	A29 Min ECT Max	
5.5 x 40	4.0 - 12.0	4.0 - 12.0	4.0 - 11.0	100

Order Example: JT6-12-5.5 x 40 S16

Application
Roofing or cladding steel or aluminium sheets - Steel sections from 4.0 to 12.0 mm in thickness



EJOT Super-SAPHIR® Stainless Steel A4 Bi-Met Self-Drilling Fasteners

Austenitic Stainless Steel A4 (316) fasteners with a carbon steel drill point for fixing composite panels to light/medium thickness steel sections. Assembled with stainless steel or aluminium / EPDM vulcanised sealing washers.

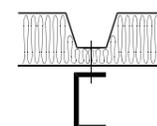
EJOT SAPHIR® JT6-D-6H Stainless Steel A4 Bi-Met Self-Drilling Fasteners 8mm AF



Ø x L (mm)	Washer Options			Min Qty
	S16 Min ECT Max	S19 Min ECT Max	A29 Min ECT Max	
5.5/6.3 x 107	54.0 - 88.0	54.0 - 88.0	54.0 - 87.0	100
5.5/6.3 x 127	74.0 - 108.0	74.0 - 108.0	74.0 - 107.0	100
5.5/6.3 x 147	94.0 - 128.0	94.0 - 128.0	94.0 - 127.0	100
5.5/6.3 x 167	114.0 - 148.0	114.0 - 148.0	114.0 - 147.0	100
5.5/6.3 x 197	144.0 - 178.0	144.0 - 178.0	144.0 - 177.0	100
5.5/6.3 x 237	174.0 - 218.0	174.0 - 218.0	174.0 - 217.0	100

Order Example: JT6-D-6H-5.5/6.3 x 127 S16

Application
Steel profiled insulated sandwich panels - Steel sections from 1.2 to 6.0mm in thickness



EJOT Super-SAPHIR® Stainless Steel A4 Bi-Met Self-Drilling Fasteners

Austenitic Stainless Steel A4 (316) fasteners with a carbon steel drill point for fixing composite panels to hot rolled steel sections. Assembled with stainless steel or aluminium / EPDM vulcanised sealing washers.

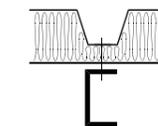
EJOT SAPHIR® JT6-D-12H Stainless Steel A4 Bi-Met Self-Drilling Fasteners 8mm AF



Ø x L (mm)	Washer Options			Min Qty
	S16 Min ECT Max	S19 Min ECT Max	A29 Min ECT Max	
5.5/6.3 x 115	68.0 - 90.0	68.0 - 90.0	68.0 - 89.0	100
5.5/6.3 x 135	82.0 - 110.0	82.0 - 110.0	82.0 - 109.0	100
5.5/6.3 x 155	102.0 - 130.0	102.0 - 130.0	102.0 - 130.0	100
5.5/6.3 x 175	120.0 - 150.0	120.0 - 150.0	120.0 - 149.0	100
5.5/6.3 x 195	140.0 - 170.0	140.0 - 170.0	140.0 - 169.0	100
5.5/6.3 x 245	180.0 - 220.0	180.0 - 220.0	180.0 - 219.0	100

Order Example: JT6-D-12H 5.5/6.3 x 115 S16

Application
Steel profiled insulated sandwich panels - Steel sections from 4.0 to 12.0mm in thickness



EJOT Super-SAPHIR® Stainless Steel A4 Bi-Met Self-Drilling Fasteners

Austenitic Stainless Steel A4 (316) fasteners with a carbon steel drill point for fixing to medium section steel. Low profile head. Assembled with a stainless steel / EPDM vulcanised sealing washer.

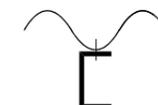
EJOT SAPHIR® JT6-FR-6 Stainless Steel A4 Bi-Met Self-Drilling Fasteners T25



Ø x L (mm)	Washer Options	Min Qty
	S12 Min ECT Max	
5.5 x 25	1.2 - 6.0	100

Order Example: JT6-FR-6-5.5 x 25 S12

Application
Roofing or cladding steel or aluminium sheets - Steel sections from 1.2 to 6.0 mm in thickness



EJOT Super-SAPHIR® Stainless Steel A4 Bi-Met Self-Drilling Fasteners

Austenitic Stainless Steel A4 (316) fasteners with a carbon steel drill point for fixing to heavy section steel. Low profile head. Assembled with a stainless steel / EPDM vulcanised sealing washer.

EJOT SAPHIR® JT6-FR-12 Stainless Steel A4 Bi-Met Self-Drilling Fasteners T25



Ø x L (mm)	Washer Options	Min Qty
	S12 Min ECT Max	
5.5 x 40	4.0 - 12.0	100

Order Example: JT6-FR-12-5.5 x 40 S12

Application
Roofing or cladding steel or aluminium sheets - Steel sections from 4.0 to 12.0 mm in thickness



EJOT Super-SAPHIR®

Self-Drilling Fasteners - Stainless Steel JT4



PRODUCT GROUP

A range of fasteners manufactured entirely from austenitic stainless steel material grade 304 (A2) suitable for use when drilling and tapping into aluminium sections.

DESIGN

The drill points and thread forms are designed to provide maximum mechanical performance with ease of installation into aluminium or timber substrates.

ASSEMBLY

Where specified they are assembled with a high quality metal and EPDM vulcanised sealing washer ensuring a safe seal every time.

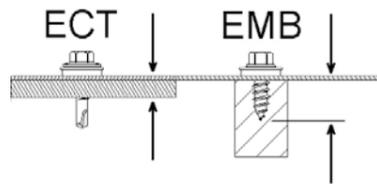
FINISH

For aesthetic reasons and to provide lubrication during driving a zinc finish plus wax is applied to these fasteners.



EJOT COLOUR MATCHING

Colour match powder-coating available for all low profile stainless steel fasteners in this range. Please ask for details.



Effective Clamping Thickness

(ECT) is the total thickness of the build up to be fixed.

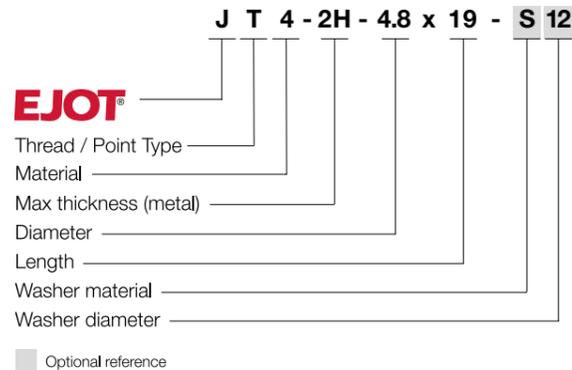
Embedment

(EMB) figures relate to depth into substrate (not including clamp pieces).



Fastener identification codes

JT4 A2 Grade Stainless steel Self-Drilling fastener



EJOT Stainless Steel SAPHIR® Self-Drilling Fasteners

Austenitic stainless steel fasteners for aluminium.
Assembled with a stainless steel / EPDM vulcanised sealing washer.

EJOT Stainless Steel SAPHIR® JT4-4 Self-Drilling Fasteners

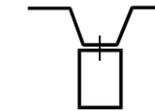
8mm AF



Ø x L (mm)	Washer Options		Min Qty
	Unwashed Min ECT Max	S14 Min ECT Max	
4.8 x 19	1.5 - 9.0	1.5 - 7.0	100
Order Example: JT4-4-4.8 x 19 S14			

Application

Profiled aluminium
- Aluminium sections from 1.5 to 4.0 mm in thickness



EJOT Stainless Steel SAPHIR® JT4-FR-4 Self-Drilling Fasteners

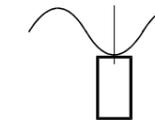
T25



Ø x L (mm)	Washer Options		Min Qty
	S12 Min ECT Max		
4.8 x 19	1.5 - 6.0		100
5.5 x 19	1.5 - 5.0		
Order Example: JT4-FR-4-4.8 x 19 S12			

Application

Profiled aluminium
- Aluminium sections from 1.5 to 4.0 mm in thickness



EJOT Stainless Steel SAPHIR® Self-Drilling Fasteners

Austenitic stainless steel fasteners for aluminium.
Unwashed.

EJOT Stainless Steel SAPHIR® JT4-ZT-4 Self-Drilling Fasteners

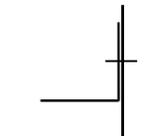
T25



Ø x L (mm)	Washer Options		Min Qty
	Unwashed Min ECT Max		
4.8 x 19	1.5 - 9.0		100
4.8 x 25	1.5 - 15.0		100
Order Example: JT4-ZT-4-4.8 x 19			

Application

Profiled aluminium
- Aluminium sections from 1.5 to 4.0 mm in thickness



EJOT Stainless Steel SAPHIR® Self-Drilling Fasteners

Austenitic stainless steel fasteners for aluminium.
Assembled with a aluminium / EPDM vulcanised sealing washer.

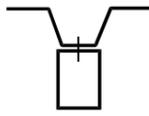
EJOT Stainless Steel SAPHIR® JT4-6 Self-Drilling Fasteners 8mm AF



Ø x L (mm)	Washer Options		Min Qty
	Unwashed Min ECT Max	A15 Min ECT Max	
5.5 x 19	2.0 - 8.0	2.0 - 5.0	100
5.5 x 22	2.0 - 11.0	2.0 - 8.0	100
5.5 x 30	2.0 - 19.0	2.0 - 16.0	100

Order Example: JT4-6-5.5 x 19 A15

Application
Profiled aluminium
- Aluminium sections from 2.0 to 6.0 mm in thickness



EJOT Stainless Steel SAPHIR® Self-Drilling Fasteners

Austenitic stainless steel fastener for timber.
Assembled with a stainless steel / EPDM vulcanised sealing washer.

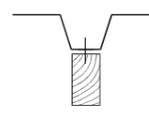
EJOT Stainless Steel SAPHIR® JT4-FR-2 Self-Drilling Fasteners T25



Ø x L (mm)	Washer Options	Min Qty
	S12 Min ECT Max	
4.9 x 35	-	100

Order Example: JT4-FR-2-4.9 x 35 S12

Application
Profiled aluminium
- Timber
Mechanical performance is dependant on embedment and grade of timber



EJOT Stainless Steel SAPHIR® Self-Drilling Fasteners

Austenitic stainless steel fasteners for aluminium with a centering grommet

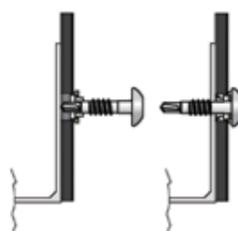
EJOT Stainless Steel SAPHIR® JT4-FR-2H/6 Self-Drilling Fasteners T25



Ø x L (mm)	With Grommet	Min Qty
4.8 x 22	6.0	100

Order Example: JT4-FR-2H/6 4.8 x 22 + grommet

Application
Installing 4mm ACM panels to 2.0mm aluminium sections



EJOT Stainless Steel SAPHIR® Self-Drilling Fasteners

Austenitic stainless steel fasteners for aluminium.
Assembled with a stainless steel / EPDM vulcanised sealing washer.

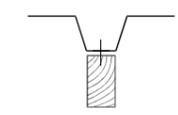
EJOT Stainless Steel SAPHIR® JT4-2-5.6 Self-Drilling Fasteners 8mm AF



Ø x L (mm)	Washer Options	Min Qty
	S16 Min ECT Max	
5.6 x 70	-	100

Order Example: JT4-2-5.6 x 70 S16

Application
Profiled aluminium and aluminium brackets to timber



EJOT COLORFAST®

Self-Drilling Fasteners - Unique Integral Nylon Head



PRODUCT GROUP

A range of fasteners incorporating the unique EJOT Coloured Nylon Head designed specifically for use in fixing profiled metal roofing and cladding sheets. The head provides permanent corrosion resistance and colour matching.

DESIGN

The drill points and thread forms are designed to provide maximum mechanical performance with ease of installation.

ASSEMBLY

COLORFAST® parts are assembled with a high quality aluminium/EPDM sealing washer ensuring a safe seal every time.

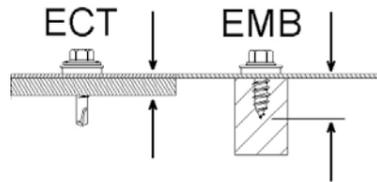
FINISH

The specified fasteners have organic finish for maximum corrosion resistance in their given application and stainless steel versions are waxed to provide lubrication during installation.

EJOT COLOUR MATCHING



The unique integral Colorfast head provides additional corrosion resistance. Colour matching to all industry recognised systems is available across the entire EJOT Colorfast range. Please ask for details.



Effective Clamping Thickness

(ECT) is the total thickness of the build up to be fixed.

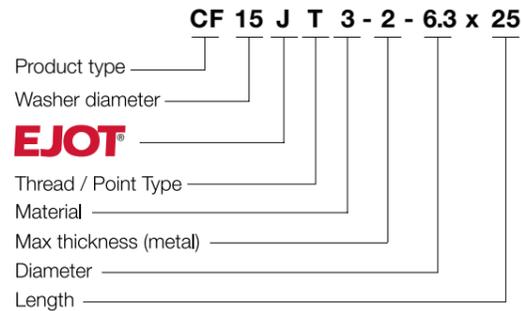
Embedment

(EMB) figures relate to depth into substrate (not including clamp pieces).



Fastener identification codes

CF EJOT Colorfast® integral nylon head



EJOT COLORFAST SAPHIR® Self-Drilling Secondary Fasteners

Reduced point carbon steel with organic corrosion resistant finish.

Assembled with integral nylon head and aluminium / EPDM vulcanised sealing washers.

EJOT COLORFAST SAPHIR® CF15 SF Self-Drilling Secondary Fasteners

11mm Bi-Hex

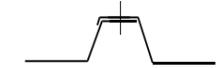


Ø x L (mm)	Head Options		Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	
6.3 x 25	0.7 - 9.0	0.7 - 9.0	100

Order Example: CF15 SF 6.3 x 25

Application

Laps of roofing or cladding sheets and flashings



EJOT COLORFAST SAPHIR® Self-Drilling Secondary Fasteners

Pierce point carbon steel with organic corrosion resistant finish.

Assembled with integral nylon head and aluminium / EPDM vulcanised sealing washers.

EJOT COLORFAST SAPHIR® CF15 JF2 Self-Drilling Secondary Fasteners

11mm Bi-Hex



Ø x L (mm)	Head Options		Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	
5.5 x 25	0.5 - 8.0	0.5 - 8.0	100

Order Example: CF15 JF2-2-5.5 x 25

Application

For fixing laps of roofing or cladding sheets and flashings



EJOT COLORFAST SAPHIR® Self-Drilling Secondary Fasteners

Reduced point carbon steel with organic corrosion resistant finish.

Assembled with integral nylon head and aluminium / EPDM vulcanised sealing washers.

EJOT COLORFAST SAPHIR® CF15 SFMS Self-Drilling Secondary Fasteners

11mm Bi-Hex

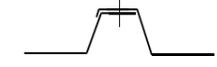


Ø x L (mm)	Head Options		Min Qty
	CF15 Min ECT Max		
8.0 x 25	0.7 - 9.0		100

Order Example: CF15 SFMS 8.0 x 25

Application

Laps of roofing or cladding sheets and flashings
N.B. High stripping torque for thin steel



EJOT COLORFAST SAPHIR® Self-Drilling Light Section Fasteners

Carbon steel with organic corrosion resistant finish.
Assembled with integral nylon head and aluminium / EPDM vulcanised sealing washers.

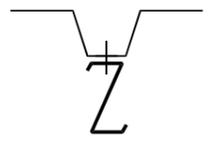
EJOT COLORFAST SAPHIR® CF15 LS Self-Drilling Light Section Fasteners 11mm Bi-Hex



Ø x L (mm)	Head Options			Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	CF29 Min ECT Max	
5.5 x 25	1.2 - 4.0	1.2 - 4.0	N/A	100
5.5 x 32	1.2 - 9.0	1.2 - 9.0	1.2 - 8.0	100
5.5 x 38	1.2 - 12.0	1.2 - 12.0	1.2 - 11.0	100
5.5 x 50	1.2 - 33.0	1.2 - 33.0	1.2 - 32.0	100
5.5 x 70	1.2 - 53.0	1.2 - 53.0	1.2 - 52.0	100

Order Example: CF15 LS 5.5 x 25

Application
Profiled roofing or cladding steel sheets
- Steel sections from 1.2 to 3.0 mm in thickness



EJOT COLORFAST SAPHIR® Self-Drilling Heavy Section Fasteners

Carbon steel with organic corrosion resistant finish.
Assembled with integral nylon head and aluminium / EPDM vulcanised sealing washers.

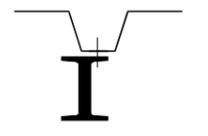
EJOT COLORFAST SAPHIR® CF15 HS Self-Drilling Heavy Section Fasteners 11mm Bi-Hex



Ø x L (mm)	Head Options			Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	CF29 Min ECT Max	
5.5 x 38	4.0 - 12.0	4.0 - 12.0	N/A	100
5.5 x 55	4.0 - 26.0	4.0 - 26.0	4.0 - 25.0	100
5.5 x 65	4.0 - 37.0	4.0 - 37.0	4.0 - 36.0	100
5.5 x 76	4.0 - 48.0	4.0 - 48.0	4.0 - 47.0	100

Order Example: CF15 HS 5.5 x 38

Application
Profiled roofing or cladding steel sheets
- Steel sections from 4.0 to 12.0 mm in thickness



EJOT COLORFAST SAPHIR® Self-Drilling Heavy Section Fasteners

Carbon steel with organic corrosion resistant finish.
Assembled with integral nylon head and aluminium / EPDM vulcanised sealing washers.

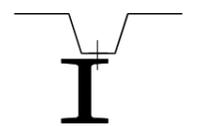
EJOT COLORFAST SAPHIR® CF15 JT2-18 Self-Drilling Heavy Section Fasteners 11mm Bi-Hex



Ø x L (mm)	Head Options			Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	CF29 Min ECT Max	
5.5 x 40	4.0 - 10.0	4.0 - 10.0	N/A	100
5.5 x 60	4.0 - 30.0	4.0 - 30.0	4.0 - 29.0	100

Order Example: CF15 JT2-18 5.5 x 40

Application
Roofing or cladding steel sheets and brackets to
- Steel sections from 4.0 to 18.0 mm in thickness



EJOT COLORFAST SAPHIR® Self-Drilling Light to Medium Section High Thread Fasteners

Carbon steel with organic corrosion resistant finish.
Assembled with integral nylon head and aluminium / EPDM vulcanised sealing washers.

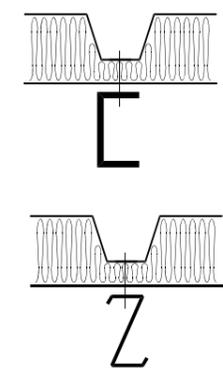
EJOT COLORFAST SAPHIR® CF15 JT2-D6 Self-Drilling Light Med Section High Thread 11mm Bi-Hex



Ø x L (mm)	Head Options			Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	CF29 Min ECT Max	
5.5/6.3 x 62	36.0 - 48.0	36.0 - 48.0	36.0 - 47.0	100
5.5/6.3 x 82	28.0 - 68.0	28.0 - 68.0	28.0 - 67.0	100
5.5/6.3 x 102	48.0 - 88.0	48.0 - 88.0	48.0 - 87.0	100
5.5/6.3 x 122	68.0 - 108.0	68.0 - 108.0	68.0 - 107.0	100
5.5/6.3 x 135	81.0 - 121.0	81.0 - 121.0	81.0 - 120.0	100
5.5/6.3 x 152	98.0 - 138.0	98.0 - 138.0	98.0 - 137.0	100
5.5/6.3 x 172	118.0 - 158.0	118.0 - 158.0	118.0 - 157.0	100
5.5/6.3 x 192	138.0 - 178.0	138.0 - 178.0	138.0 - 177.0	100
5.5/6.3 x 232	178.0 - 218.0	178.0 - 218.0	178.0 - 217.0	100
5.5/6.3 x 262	208.0 - 248.0	208.0 - 248.0	208.0 - 247.0	100

Order Example: CF15 JT2-D6 5.5/6.3 x 62

Application
Steel faced insulation sandwich panels.
Steel sections from 1.2mm to 6.0mm in thickness



EJOT COLORFAST SAPHIR® Self-Drilling Heavy Section High Thread Fasteners

Carbon steel with organic corrosion resistant finish.
Assembled with integral nylon head and aluminium / EPDM vulcanised sealing washers.

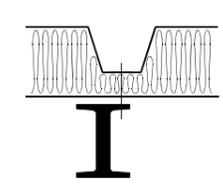
EJOT COLORFAST SAPHIR® CF15 JT2-D12 Self-Drilling Heavy Section High Thread Fasteners 11mm Bi-Hex



Ø x L (mm)	Head Options			Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	CF29 Min ECT Max	
5.5/6.3 x 95	53.0 - 71.0	53.0 - 71.0	53.0 - 70.0	100
5.5/6.3 x 115	63.0 - 91.0	63.0 - 91.0	63.0 - 90.0	100
5.5/6.3 x 135	73.0 - 111.0	73.0 - 111.0	73.0 - 110.0	100
5.5/6.3 x 155	93.0 - 133.0	93.0 - 133.0	93.0 - 132.0	100
5.5/6.3 x 195	123.0 - 173.0	123.0 - 173.0	123.0 - 172.0	100
5.5/6.3 x 235	163.0 - 213.0	163.0 - 213.0	163.0 - 212.0	100
5.5/6.3 x 250	178.0 - 228.0	178.0 - 228.0	178.0 - 227.0	100
5.5/6.3 x 275	203.0 - 253.0	203.0 - 253.0	203.0 - 252.0	100
5.5/6.3 x 300	228.0 - 278.0	228.0 - 278.0	228.0 - 277.0	100

Order Example: CF15 JT2-D12 5.5/6.3 x 95

Application
Steel faced insulated sandwich panels
- Steel sections from 4.0 to 12.0 mm in thickness.



EJOT COLORFAST SAPHIR® Self-Drilling Timber Fasteners

Carbon steel with organic corrosion resistant finish.
Assembled with integral nylon head and aluminium / EPDM vulcanised sealing washers.

EJOT COLORFAST SAPHIR® CF15 TS Self-Drilling Timber Fasteners 11mm Bi-Hex

Ø x L (mm)	Head Options			Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	CF29 Min ECT Max	
6.3 x 32	-	-	-	100
6.3 x 45	-	-	-	100
6.3 x 60	-	-	-	100

Order Example: CF15 TS 6.3 x 32

Application
 Profiled roofing steel sheets
 - Timber
 Mechanical performance is dependant on embedment and grade of timber.

EJOT COLORFAST Super-SAPHIR® Stainless Steel Bi-met Fasteners

Austenitic Stainless Steel fasteners with a carbon steel drill point.
Assembled with integral nylon head and aluminium / EPDM vulcanised sealing washers.

EJOT COLORFAST Super-SAPHIR® CF15 JT3-2-6.3 Stainless Steel Bi-met Fasteners 11mm Bi-Hex

Ø x L (mm)	Head Options		Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	
6.3 x 25	0.5 - 6.0	0.5 - 6.0	100

Order Example: CF15 JT3-2-6.3 x 25

Application
 Laps of roofing or cladding sheets and flashings

EJOT COLORFAST SAPHIR® Stainless Steel Bi-met Fasteners

Austenitic stainless steel secondary fasteners with a carbon steel drill point.
Assembled with integral nylon head and aluminium/EPDM vulcanised sealing washers.

EJOT COLORFAST SAPHIR® CF19 JT3-2-6.0 Stainless Steel Bi-met Fasteners 11mm Bi-Hex

Ø x L (mm)	Head Options		Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	
6.0 x 25	0.5 - 6.0	0.5 - 6.0	100
6.0 x 35	0.5 - 16.0	0.5 - 16.0	100

Order Example: CF19 JT3-2-6.0 x 35

Application
 Laps of roofing or cladding sheets and flashings
 - Laps to rooflights.

EJOT COLORFAST Super-SAPHIR® CF15 JF3-2-5.5 Stainless Steel Bi-met Fasteners 11mm Bi-Hex

Ø x L (mm)	Head Options		Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	
5.5 x 25	0.5 - 6.0	0.5 - 6.0	100

Order Example: CF15 JF3-2-5.5 x 25

Application
 Laps of roofing or cladding sheets and flashings



EJOT COLORFAST Super-SAPHIR® Stainless steel Rooflight lap stitcher

CF19 RLS Austenitic Stainless steel screw with EPDM sealing grommet with brass threaded insert.
Assembled with aluminium/EPDM vulcanised sealing washer.

EJOT COLORFAST SAPHIR® CF19 RLS 11mm Bi-Hex

Ø x L (mm)	Head Options		Min Qty
	CF19 Min ECT Max	CF29 Min ECT Max	
RLS x 25	8.0 - 15.0	8.0 - 14.0	100

Order Example: CF19 RLS 25

Application
 Rooflight Laps

EJOT COLORFAST Super-SAPHIR® Stainless Steel Bi-Met Fasteners

Austenitic Stainless Steel fasteners with a carbon steel drill point for fixing to light steel sections.
Assembled with aluminium/ EPDM vulcanised sealing washers.

EJOT COLORFAST Super-SAPHIR® CF15 JT3-3 Stainless Steel Bi-Met Fasteners 11mm Bi-Hex

Ø x L (mm)	Head Options			Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	CF29 Min ECT Max	
5.5 x 25	1.2 - 6.0	1.2 - 6.0	N/A	100
5.5 x 35	1.2 - 16.0	1.2 - 16.0	1.2 - 15.0	100
5.5 x 50	1.2 - 31.0	1.2 - 31.0	1.2 - 30.0	100

Order Example: CF15 JT3-3-5.5 x 25

For fixing
 Roofing or cladding steel sheets
 - Steel sections from 1.2 to 3.0 mm in thickness

EJOT COLORFAST Super-SAPHIR® Stainless Steel Bi-Met Fasteners

Austenitic Stainless Steel fasteners with a carbon steel drill point for fixing to medium steel sections.
Assembled with aluminium/ EPDM vulcanised sealing washers.

EJOT COLORFAST Super-SAPHIR® CF15 JT3-6 Stainless Steel Bi-Met Fasteners 11mm Bi-Hex

Ø x L (mm)	Head Options			Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	CF29 Min ECT Max	
5.5 x 25	2.0 - 5.0	2.0 - 5.0	N/A	100
5.5 x 30	2.0 - 10.0	2.0 - 10.0	2.0 - 9.0	100
5.5 x 50	2.0 - 30.0	2.0 - 30.0	2.0 - 29.0	100
6.3 x 25	2.0 - 5.0	2.0 - 5.0	N/A	100

Order Example: CF15 JT3-6-5.5 x 25

For fixing
 Roofing or cladding steel sheets
 - Steel sections from 1.2 to 6.0 mm in thickness
 *see bottom item in table 6.3 x 25 where greater shear performance is required



EJOT COLORFAST Super-SAPHIR® Stainless Steel Bi-met Fasteners

Austenitic Stainless Steel fasteners with a carbon steel drill point for hot rolled steel sections. Assembled with integral nylon head and aluminium / EPDM vulcanised sealing washers.

EJOT COLORFAST Super-SAPHIR® CF15 JT3-12 Stainless Steel Bi-met Fasteners 11mm Bi-Hex



Ø x L (mm)	Head Options			Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	CF29 Min ECT Max	
5.5 x 40	4.0 - 10.0	4.0 - 10.0	N/A	100
5.5 x 67	4.0 - 37.0	4.0 - 37.0	4.0 - 36.0	100

Order Example: CF15 JT3-12-5.5 x 40

For fixing
Roofing or cladding steel sheets
- Steel sections from 4.0 to 12.0 mm in thickness



EJOT COLORFAST Super-SAPHIR® Stainless Steel Bi-met Fasteners

Austenitic Stainless Steel fasteners with a carbon steel drill point for hot rolled steel sections. Assembled with stainless steel or aluminium / EPDM vulcanised sealing washers.

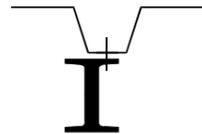
EJOT COLORFAST Super-SAPHIR® CF15 JT3-18 Stainless Steel Bi-met Fasteners 11mm Bi-Hex



Ø x L (mm)	Head Options			Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	CF29 Min ECT Max	
5.5 x 55	4.0 - 17.0	4.0 - 17.0	4.0 - 16.0	100

Order Example: CF15 JT3-18-5.5 x 55

For fixing
Roofing or cladding steel sheets
- Steel sections from 4.0 to 18.0 mm in thickness



EJOT COLORFAST Super-SAPHIR® Stainless Steel Bi-met Fasteners

Austenitic Stainless Steel fasteners with a carbon steel drill point for fixing composite panels to light/medium steel sections. Assembled with integral nylon head and aluminium / EPDM vulcanised sealing washers.

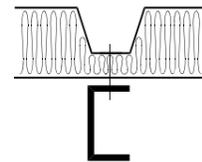
EJOT COLORFAST Super-SAPHIR® CF15 JT3-D-6H Stainless Steel Bi-met Fasteners 11mm Bi-Hex



Ø x L (mm)	Head Options			Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	CF29 Min ECT Max	
5.5/6.3 x 67	34.0 - 46.0	34.0 - 46.0	34.0 - 45.0	100
5.5/6.3 x 87	42.0 - 66.0	42.0 - 66.0	42.0 - 65.0	100
5.5/6.3 x 107	52.0 - 86.0	52.0 - 86.0	52.0 - 85.0	100
5.5/6.3 x 127	72.0 - 106.0	72.0 - 106.0	72.0 - 105.0	100
5.5/6.3 x 147	92.0 - 126.0	92.0 - 126.0	92.0 - 125.0	100
5.5/6.3 x 167	112.0 - 146.0	112.0 - 146.0	112.0 - 145.0	100
5.5/6.3 x 197	142.0 - 176.0	142.0 - 176.0	142.0 - 175.0	100
5.5/6.3 x 237	172.0 - 216.0	172.0 - 216.0	172.0 - 215.0	100
5.5/6.3 x 267	202.0 - 246.0	202.0 - 246.0	202.0 - 245.0	100

Order Example: CF15 JT3-D-6H-5.5/6.3 x 67

For fixing
Steel profiled insulated sandwich panels
Steel sections from 1.2 to 6.0 mm in thickness



EJOT COLORFAST Super-SAPHIR® Stainless Steel Bi-met Fasteners

Austenitic Stainless Steel fasteners with a carbon steel drill point for fixing composite panels to hot rolled and medium steel sections. Assembled with integral nylon head and aluminium / EPDM vulcanised sealing washers.

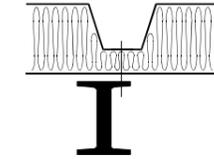
EJOT COLORFAST Super-SAPHIR® CF15 JT3-D-12H Stainless Steel Bi-met Fasteners 11mm Bi-Hex



Ø x L (mm)	Head Options			Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	CF29 Min ECT Max	
5.5/6.3 x 75	44.0 - 48.0	44.0 - 48.0	44.0 - 47.0	100
5.5/6.3 x 95	56.0 - 68.0	56.0 - 68.0	56.0 - 67.0	100
5.5/6.3 x 115	66.0 - 88.0	66.0 - 88.0	66.0 - 87.0	100
5.5/6.3 x 135	80.0 - 108.0	80.0 - 108.0	80.0 - 107.0	100
5.5/6.3 x 155	100.0 - 128.0	100.0 - 128.0	100.0 - 127.0	100
5.5/6.3 x 175	118.0 - 148.0	118.0 - 148.0	118.0 - 147.0	100
5.5/6.3 x 195	138.0 - 168.0	138.0 - 168.0	138.0 - 167.0	100
5.5/6.3 x 245	178.0 - 218.0	178.0 - 218.0	178.0 - 217.0	100
5.5/6.3 x 275	208.0 - 248.0	208.0 - 248.0	208.0 - 247.0	100
5.5/6.3 x 300	233.0 - 273.0	233.0 - 273.0	233.0 - 272.0	100

Order Example: CF15 JT3-D-12H-5.5/6.3 x 75

For fixing
Steel faced insulated sandwich panels
Steel sections from 4.0 to 12.0 mm in thickness



EJOT COLORFAST Super-SAPHIR® Stainless Steel Bi-met Fasteners

Austenitic Stainless Steel fasteners with a carbon steel drill point for fixing profiled sheet to timber. Assembled with integral nylon head and aluminium / EPDM vulcanised sealing washers.

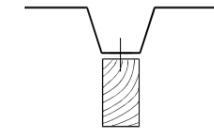
EJOT COLORFAST Super-SAPHIR® CF15 JT3-2-5.6 Stainless Steel Bi-met Fasteners 11mm Bi-Hex



Ø x L (mm)	Head Options			Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	CF29 Min ECT Max	
5.6 x 35	-	-	-	100

Order Example: CF15 JT3-2-5.6 x 35

For fixing
Roofing or cladding steel sheets
- Timber
Mechanical performance is dependant on embedment and grade of timber



EJOT COLORFAST Super-SAPHIR® Stainless Steel Bi-met Fasteners

Austenitic Stainless Steel fasteners with a carbon steel drill point for fixing profiled sheet to timber. Assembled with integral nylon head and aluminium / EPDM vulcanised sealing washers.

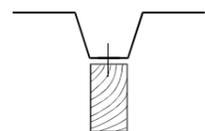
EJOT COLORFAST Super-SAPHIR® CF15 JT3-2-6.5 Stainless Steel Bi-met Fasteners 11mm Bi-Hex



Ø x L (mm)	Head Options			Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	CF29 Min ECT Max	
6.5 x 50	-	-	-	100
6.5 x 65	-	-	-	100
6.5 x 80	-	-	-	100

Order Example: CF15 JT3-2-6.5 x 50

For fixing
Roofing or cladding steel sheets
- Timber
Mechanical performance is dependant on embedment and grade of timber



EJOT COLORFAST Super-SAPHIR® Stainless Steel Bi-met Stitcher Fasteners

Austenitic stainless steel A4 (316) secondary fasteners with a carbon steel pierce point. Assembled with integral nylon head and aluminium/EPDM vulcanised sealing washers.

EJOT COLORFAST Super-SAPHIR® CF15 JF6 Stainless Steel Bi-met Stitcher Fasteners 11mm Bi-Hex



Ø x L (mm)	Head Options		Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	
5.5 x 25	0.5 - 6.0	0.5 - 6.0	100

Order Example: CF15 JF6-2-5.5 x 25

For fixing
Laps of roofing or cladding sheets and flashings
- Laps of roofing or cladding sheets



EJOT COLORFAST Super-SAPHIR® Stainless Steel A4 Bi-Met Stitcher Fasteners

Austenitic Stainless Steel A4 (316) fasteners with a carbon steel drill point. Assembled with integral nylon head and aluminium/EPDM vulcanised sealing washers.

EJOT COLORFAST Super-SAPHIR® CF15 and CF19 JT6-2-6.3 x 30/10 Stainless Steel A4 BiMet Stitcher Fasteners 11mm Bi-Hex



Ø x L (mm)	Head Options		Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	
5.5 x 30	8.0	8.0	100

Order Example: JT6-2-6.3 x 30/10 S16

For fixing
Laps of roofing and cladding sheets and Rooflight and flashings



EJOT COLORFAST Super-SAPHIR® Stainless Steel Bi-met Fasteners

Austenitic Stainless Steel A4 (316) fasteners with a carbon steel drill point for fixing to medium steel sections. Assembled with aluminium/ EPDM vulcanised sealing washers.

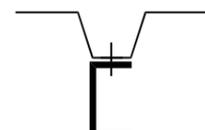
EJOT COLORFAST Super-SAPHIR® CF15 JT6-6 Stainless Steel Bi-met Fasteners 11mm Bi-Hex



Ø x L (mm)	Head Options			Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	CF29 Min ECT Max	
5.5 x 25	2.0 - 5.0	2.0 - 5.0	N/A	100
5.5 x 35	2.0 - 15.0	2.0 - 14.0	N/A	100

Order Example: CF15 JT6-6-5.5 x 25

For fixing
Roofing or cladding steel sheets
- Steel sections from 1.2 to 6.0 mm in thickness



EJOT COLORFAST Super-SAPHIR® Stainless Steel Bi-met Fasteners

Austenitic Stainless Steel A4 (316) fasteners with a carbon steel drill point for hot rolled steel sections. Assembled with integral nylon head and aluminium / EPDM vulcanised sealing washers.

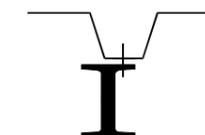
EJOT COLORFAST Super-SAPHIR® CF15 JT6-12 Stainless Steel Bi-met Fasteners 11mm Bi-Hex



Ø x L (mm)	Head Options			Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	CF29 Min ECT Max	
5.5 x 40	4.0 - 10.0	4.0 - 10.0	N/A	100

Order Example: CF15 JT6-12-5.5 x 40

For fixing
Roofing or cladding steel sheets
- Steel sections from 4.0 to 12.0 mm in thickness



EJOT COLORFAST Super-SAPHIR® Stainless Steel Bi-met Fasteners

Austenitic Stainless Steel A4 (316) fasteners with a carbon steel drill point for fixing composite panels to cold rolled and medium steel sections. Assembled with integral nylon head and aluminium / EPDM vulcanised sealing washers.

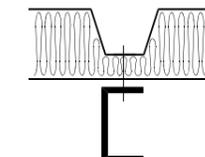
EJOT COLORFAST Super-SAPHIR® CF15 JT6-D-6H Stainless Steel Bi-met Fasteners 11mm Bi-Hex



Ø x L (mm)	Head Options			Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	CF29 Min ECT Max	
5.5/6.3 x 107	52.0 - 86.0	52.0 - 86.0	52.0 - 85.0	100
5.5/6.3 x 127	72.0 - 106.0	72.0 - 106.0	72.0 - 105.0	100
5.5/6.3 x 147	92.0 - 126.0	92.0 - 126.0	92.0 - 125.0	100
5.5/6.3 x 167	112.0 - 146.0	112.0 - 146.0	112.0 - 145.0	100
5.5/6.3 x 197	142.0 - 176.0	142.0 - 176.0	142.0 - 175.0	100
5.5/6.3 x 237	172.0 - 216.0	172.0 - 216.0	172.0 - 215.0	100

Order Example: CF15 JT6-D-6H-5.5/6.3 x 107

For fixing
Steel profiled insulated sandwich panels
- Steel sections from 1.2 to 6.0 mm in thickness



EJOT COLORFAST Super-SAPHIR® Stainless Steel Bi-met Fasteners

Austenitic Stainless Steel A4 (316) fasteners with a carbon steel drill point for fixing composite panels to hot rolled and medium steel sections. Assembled with integral nylon head and aluminium / EPDM vulcanised sealing washers.

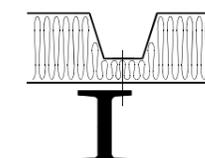
EJOT COLORFAST Super-SAPHIR® CF15 JT6-D-12H Stainless Steel Bi-met Fasteners 11mm Bi-Hex



Ø x L (mm)	Head Options			Min Qty
	CF15 Min ECT Max	CF19 Min ECT Max	CF29 Min ECT Max	
5.5/6.3 x 115	66.0 - 88.0	66.0 - 88.0	66.0 - 87.0	100
5.5/6.3 x 135	80.0 - 108.0	80.0 - 108.0	80.0 - 107.0	100
5.5/6.3 x 155	100.0 - 128.0	100.0 - 128.0	100.0 - 127.0	100
5.5/6.3 x 175	118.0 - 148.0	118.0 - 148.0	118.0 - 147.0	100
5.5/6.3 x 195	138.0 - 168.0	138.0 - 168.0	138.0 - 167.0	100
5.5/6.3 x 245	178.0 - 218.0	178.0 - 218.0	178.0 - 217.0	100

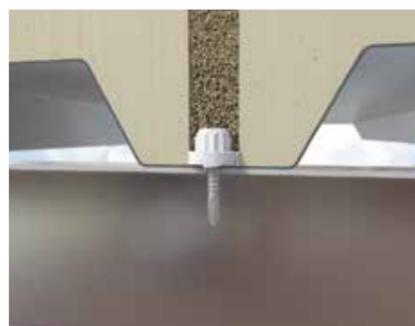
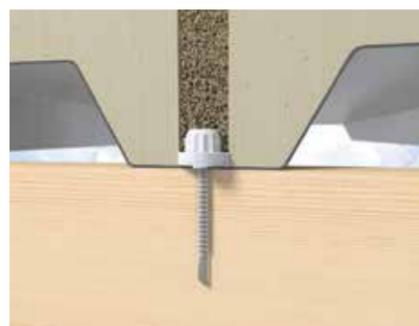
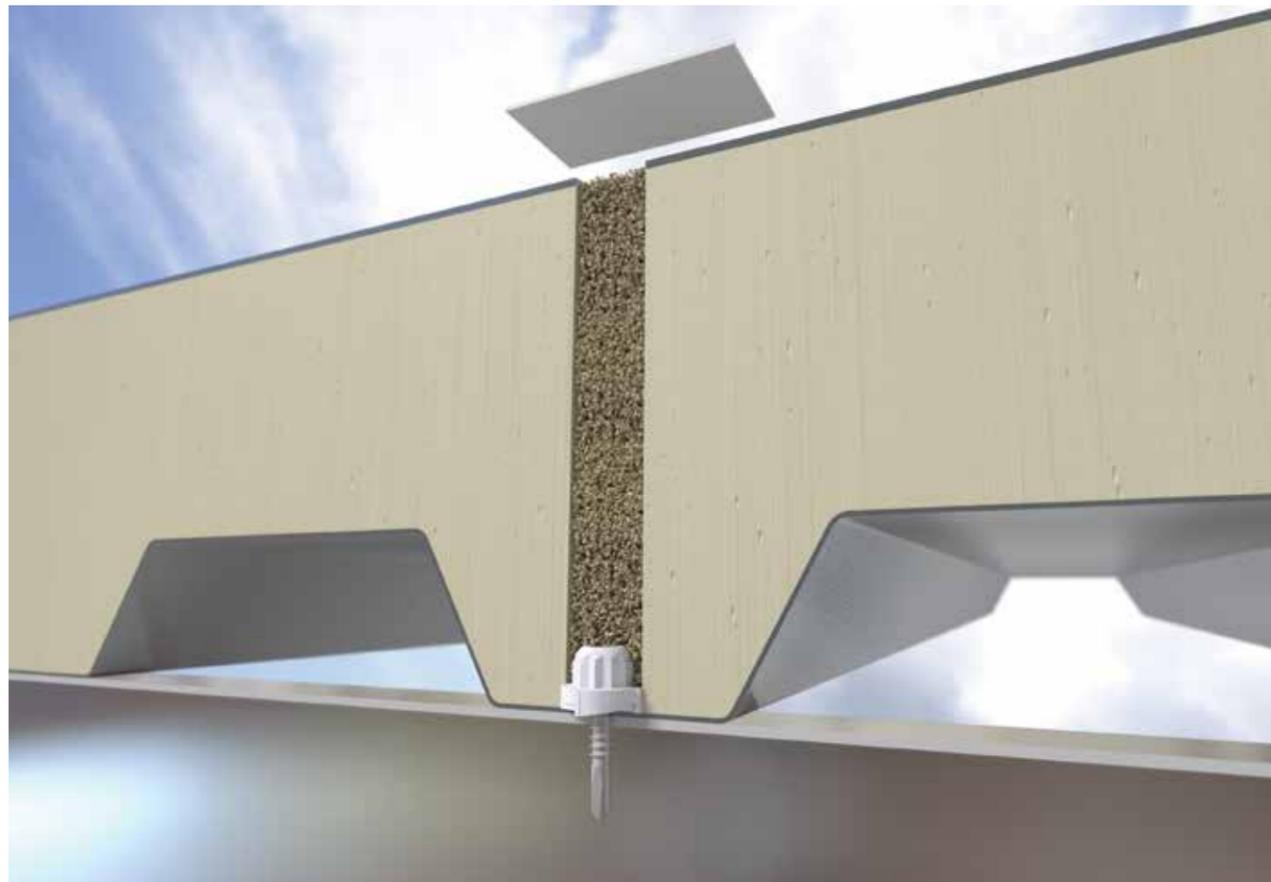
Order Example: CF15 JT6-D-12H-5.5/6.3 x 115

For fixing
Steel faced insulated sandwich panels
- Steel sections from 4.0 to 12.0 mm in thickness



EJOT® Opticore®

The self-coring one-step fix for Membrane faced composite panels



Opticore is EJOT's unique and patented integral nylon head, designed to encapsulate fasteners from our high performance Self-Drilling range. Opticore is engineered to provide a dual drive fastening system that enables rapid self-coring of membrane faced insulation panels, and a secure fix into hot and cold rolled steel, and timber.

Key to the Opticore's advantage is the coring action created by strategically placed cutting fins. These simply snap free as the fastener 'pulls up' and the nylon to metal relationship means there is no compromise to the integrity of the panel's lining skin. The composition of the Opticore head also provides significantly better thermal retention values over metal counterparts.

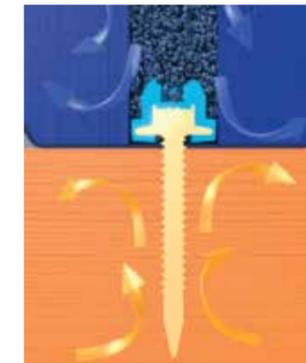
EJOT® Opticore®

Opticore's patented core-drilling head integrates with EJOT's high performance Self-Drilling Fastener range

Dual drive options for rapid self-coring and installation into all substrates

The innovative design of the Opticore head provides installers with a choice of drive tools. An internal Torx 30 Plus creates a fast and secure installation where stitching or fixing to cold rolled steel. Once driven home the torque bit strips out the nylon teeth within the head creating a perfect fix every time.

An 11mm bi-hex external drive bar provides an improved 'surface over fix' ratio, creating a far more responsive installation into hot rolled steel and timber substrates.



Hot box tests and thermal activity recording has repeatedly shown that the composition of the Opticore head provides better thermal retention values over metal fastenings.

Designed to encapsulate EJOT® Self-Drilling Fasteners

The Opticore head is designed to encapsulate all high performance fasteners from our Self-Drilling range, creating a fast one-step fix for stitching, light section steel, heavy section steel and plywood.

Opticore Fasteners in Carbon Steel

Corrosion resistance finish with EJOT organic coating.

SF 6.3 x 25 LS 5.5 x 32 HS 5.5 x 38 TS 6.3 x 45



Opticore	Length mm	Thread Dia. mm	Unit
LS 5.5 x 32	32	5.5	100
HS 5.5 x 38	38	5.5	100
TS 6.3 x 45	45	6.3	100
SF 6.3 x 25	25	6.3	100

Order Example: LS 5.5 x 32

Opticore Fasteners in Stainless Steel

High quality stainless steel, grade 304 St/St, ISO group A2, DIN Werkstoff 1.4301

JT3-2-6.3 x 25 JT3-3-5.5 x 25 JT3-12-5.5 x 40 JT3-2-6.5 x 50



Opticore	Length mm	Thread Dia. mm	Unit
JT3-3-5.5 x 25	25	5.5	100
JT3-12-5.5 x 40	40	5.5	100
JT3-2-6.5 x 50	50	6.5	100
JT3-2-6.3 x 25	25	6.3	100

Order Example: JT3-3-5.5 x 25

Opticore Drive Bars

Opticore External Drive bar 11mm Bi-Hex

Opticore Internal Drive Bar Torx 30 Plus

Opticore 1/4 "EXT Hex drive bar 11mm ext



EJOT Fastener Installation Guide

Recommended Drill Speeds and End Loads.

JT2 Carbon Steel Self-Drilling Fasteners

Product Code	Ø x L mm	Drilling Speeds			End Load kg
		1300 RPM	1500 RPM	1800 RPM	
JF2-2	5.5 x All				17
SF	6.3 x All				25
SFMS	8.0 x All				25
LS	5.5 x All				25
JT2 - 3-	4.8 x All				17
JT2 - 3 -	5.5 x All				25
JT2 - 6 -	6.3 x All				27
JT2 - D6 -	5.5/6.3 x All				27
HS	5.5 x All				35
JT2-D12	5.5/6.3 x All				35
JT2-12-	6.3 x All				35
JT2-18-	5.5 x All				35

JT3/JT6 Stainless Steel Bi-Metal Self-Drilling Fasteners

Product Code	Ø x L mm	Drilling Speeds			End Load kg
		1300 RPM	1500 RPM	1800 RPM	
JF3 - 2	5.5 x All				17
JT3 - 2	4.9 x All				17
JT3 - 2	5.6 x All				25
JT3 - 2	6.0 x All				25
JT3 - X2	6.0 x All				25
JT3 - 2	6.3 x All				25
JT3 - 2	6.5 x All				25
RLS	- x All	Install by hand only			
JT3 - 3	5.5 x All				25
JT3 - 3	6.3 x All				25
JT3 - 6	5.5 x All				27
JT3 - 6	6.3 x All				27
D-6H	5.5/6.3 x All				27
JT3 - 12	5.5 x All				35
JT3 - 18	5.5 x All				35
D-12H	5.5/6.3 x All				35

EJOT Fastener Installation Guide

Fastener Effective Clamping Thickness Calculation.

Panel Thickness Calculation

To calculate the suitability of the fastener for a given panel thickness you must subtract the 'Substrate thickness' from the 'Effective Clamping thickness'

Example: Substrate thickness (Beam Section) 12 mm
 Fasteners (JT2-D12 5.5/6.3 x 135 A15) min/max ECT 75.0 - 113mm
 Minimum range (75.0 - 12.0mm = 63mm), Maximum (113.0 - 12.0mm = 101mm) = Suitable for panel thickness range of 63mm to 101mm

Note that all calculations are based on the assumption that the panel is flat against the substrate before fixing and without void being present between the two.

No mastic seals have been allowed for in calculation.

EJOT Fastener Installation Guide

Screwdrivers and tools, recommend fixing instructions.



Installation of EJOT Fasteners

The use of correct tools is essential for the effective installation of EJOT fasteners. SAPHIR® and Super SAPHIR® fasteners should be installed using the correct EJOT power screwdriver, which can be found with in the tooling section of this catalogue. The screwdriver should be equipped with the correct driving attachments and adjustable nosepiece.

Driving Techniques

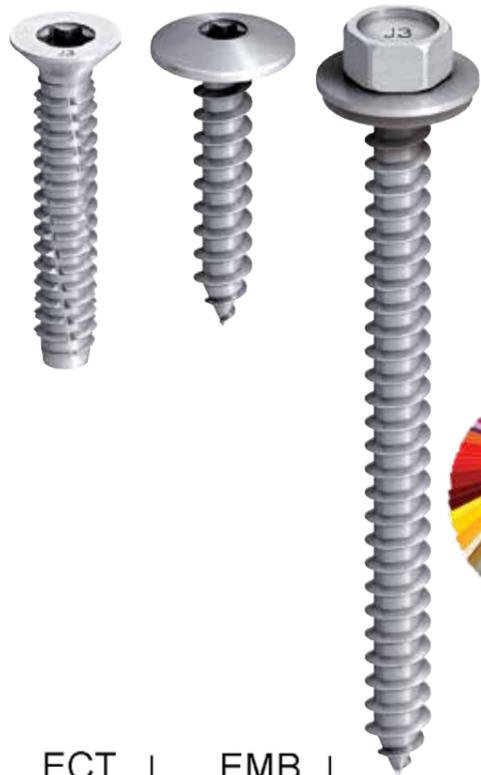
The screwdriver should be positioned perpendicular to the material being fixed, an applied force equal to the End load figures given in the table 'Drill speeds and End Loads' should be maintained during the drilling and tapping operation, the screwdriver should be set to automatically disengage its clutch when the depth sensing nosepiece makes contact with the surface of the material being fixed.

It is important that initial trial drives are carried out on a spare piece of material before commencing work, purpose of the trial drives are to ensure that the screwdriver's clutch disengages before damage is done to fastener or materials whilst ensuring correct mechanical joint is achieved. Fasteners with bonded washers should be installed to achieve 25% compression to ensure weather seal.

Note: Washers, which are under or over driven, may not provide the desired weather seal. EJOT recommend that all Fasteners are vacuum tested after installation to ensure they have been correctly installed.

Self-Tapping Fasteners

Stainless Steel



PRODUCT GROUP

A range of fasteners specifically designed for use in roofing and cladding.

DESIGN

The thread forms are designed to provide maximum mechanical performance with ease of installation.

ASSEMBLY

Where specified they are assembled with a high quality metal and EPDM vulcanised sealing washer ensuring a safe seal every time.

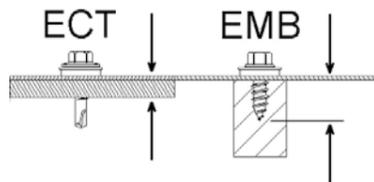
FINISH

Stainless steel with a wax finish to provide lubrication during installation.



EJOT COLOUR MATCHING

Colour match powder-coating available for certain low profile stainless steel fasteners in this range. Please ask for details.



Effective Clamping Thickness

(ECT) is the total thickness of the build up to be fixed.

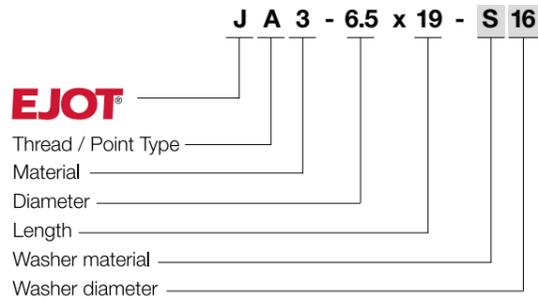
Embedment

(EMB) figures relate to depth into substrate (not including clamp pieces).



Fastener identification codes

JA3/JZ3	A2 Stainless Steel Self Tapping Fastener
JA1/JZ1	Corremaks 1.4529 Stainless steel for high corrosive environments



EJOT Self-Tapping Screws JA3

Austenitic stainless steel thread-forming fasteners.

Assembled with stainless steel or aluminium / EPDM vulcanised sealing washers.

EJOT JA3 Self-Tapping Screws

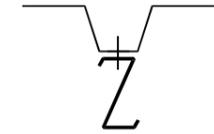


Ø x L (mm)	Washer Options			Min Qty
	S16 Min ECT Max	S19 Min ECT Max	A29 Min ECT Max	
6.5 x 19	0.5 - 9.0	0.5 - 9.0	0.5 - 8.0	100
6.5 x 25	0.5 - 15.0	0.5 - 15.0	0.5 - 14.0	100
6.5 x 32	0.5 - 22.0	0.5 - 22.0	0.5 - 21.0	100
6.5 x 38	0.5 - 28.0	0.5 - 28.0	0.5 - 27.0	100
6.5 x 50	0.5 - 40.0	0.5 - 40.0	0.5 - 39.0	100
6.5 x 64	0.5 - 54.0	0.5 - 54.0	0.5 - 53.0	100
6.5 x 75	0.5 - 65.0	0.5 - 65.0	0.5 - 64.0	100
6.5 x 90	22.0 - 80.0	22.0 - 80.0	22.0 - 79.0	100
6.5 x 100	32.0 - 90.0	32.0 - 90.0	32.0 - 89.0	100
6.5 x 115	47.0 - 105.0	47.0 - 105.0	47.0 - 104.0	100
6.5 x 125	57.0 - 115.0	57.0 - 115.0	57.0 - 114.0	100
6.5 x 150	82.0 - 140.0	82.0 - 140.0	82.0 - 139.0	100
6.5 x 175	107.0 - 165.0	107.0 - 165.0	107.0 - 165.0	100
6.5 x 200	132.0 - 190.0	132.0 - 190.0	132.0 - 189.0	100
6.5 x 230	162.0 - 220.0	162.0 - 220.0	162.0 - 219.0	100
6.5 x 290	222.0 - 280.0	222.0 - 280.0	222.0 - 279.0	100

Order Example: JA3-6.5 x 19 S16

Application

- Roofing or cladding steel sheets
- Steel sections upto 2.0 mm in thickness
- Aluminium sections upto 3.0 mm in thickness
- Timber



EJOT Countersunk Self-Tapping Screws JA3-S

Austenitic stainless steel thread-forming fasteners.

Unwashed.

EJOT JA3-S Countersunk Self-Tapping Screws



Ø x L (mm)	Washer Options	Min Qty
	Unwashed Min ECT Max	
6.5 x 35	0.5 - 25.0	100
6.5 x 95	30.0 - 85.0	100

Order Example: JA3-S-6.5 x 35

Application

- Timber or brackets
- Steel sections upto 2.0 mm in thickness
- Aluminium sections upto 3.0 mm in thickness
- Timber



EJOT Self-Tapping Screws JZ3

Austenitic stainless steel thread-forming fasteners.
Assembled with stainless steel or aluminium / EPDM vulcanised sealing washers.

EJOT JZ3 Self-Tapping Screws 3/8 AF

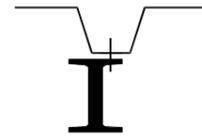


Ø x L (mm)	Washer Options			Min Qty
	S16 Min ECT Max	S19 Min ECT Max	A29 Min ECT Max	
6.3 x 19	2.0 - 12.0	2.0 - 12.0	2.0 - 11.0	100
6.3 x 25	2.0 - 18.0	2.0 - 18.0	2.0 - 17.0	100
6.3 x 32	2.0 - 25.0	2.0 - 25.0	2.0 - 24.0	100
6.3 x 38	2.0 - 31.0	2.0 - 31.0	2.0 - 30.0	100
6.3 x 50	2.0 - 43.0	2.0 - 43.0	2.0 - 42.0	100
6.3 x 64	2.0 - 59.0	2.0 - 59.0	2.0 - 58.0	100
6.3 x 80	20.0 - 73.0	20.0 - 73.0	20.0 - 72.0	100
6.3 x 90	30.0 - 83.0	30.0 - 83.0	30.0 - 82.0	100
6.3 x 100	40.0 - 93.0	40.0 - 93.0	40.0 - 92.0	100
6.3 x 115	55.0 - 108.0	55.0 - 108.0	55.0 - 107.0	100
6.3 x 125	65.0 - 118.0	65.0 - 118.0	65.0 - 117.0	100
6.3 x 135	75.0 - 128.0	75.0 - 128.0	75.0 - 127.0	100
6.3 x 150	90.0 - 143.0	90.0 - 143.0	90.0 - 142.0	100
6.3 x 165	105.0 - 158.0	105.0 - 158.0	105.0 - 157.0	100
6.3 x 175	115.0 - 168.0	115.0 - 168.0	115.0 - 167.0	100
6.3 x 200	140.0 - 193.0	140.0 - 193.0	140.0 - 192.0	100
6.3 x 220	160.0 - 213.0	160.0 - 213.0	160.0 - 212.0	100
6.3 x 270	210.0 - 263.0	210.0 - 263.0	210.0 - 262.0	100

Order Example: JZ3-6.3 x 19 S16

Application

Roofing or cladding steel sheets
- Steel sections greater than 2.0 mm in thickness.
- Aluminium section 3.0mm and greater in thickness



EJOT Corremaks Self-Tapping screws JA1

Stainless steel 1.4529 thread-forming fasteners.

EJOT JA1 Self-Tapping Screws 3/8 AF



Ø x L (mm)	Washer Options			Min Qty
	S16 Min ECT Max	S19 Min ECT Max	A29 Min ECT Max	
6.5 x 22	0.5 - 12.0	0.5 - 12.0	0.5 - 11.0	100
6.5 x 38	0.5 - 28.0	0.5 - 28.0	0.5 - 27.0	100
6.5 x 64	0.5 - 54.0	0.5 - 54.0	0.5 - 53.0	100
6.5 x 115	47.0 - 105.0	47.0 - 105.0	47.0 - 104.0	100
6.5 x 145	77.0 - 135.0	77.0 - 135.0	77.0 - 134.0	100

Order Example: JA1-6.5 x 38 S16

Application

Roofing and cladding steel or aluminium sheets to steel sections up to 2.0 mm thickness
- Timber
- in highly corrosive environments.
Contact EJOT Technical for suitable environments.

EJOT Countersunk Self-Tapping Screws JZ3-S

Austenitic stainless steel thread-forming fasteners.
Unwashed.

EJOT JZ3-S Countersunk Self-Tapping Screws T30



Ø x L (mm)	Washer Options	Min Qty
	Unwashed Min ECT Max	
6.3 x 19	2.0 - 13.0	100
6.3 x 25	2.0 - 19.0	100
6.3 x 35	2.0 - 29.0	100
6.3 x 64	2.0 - 59.0	100
6.3 x 90	33.0 - 84.0	100

Order Example: JZ3-S-6.3 x 19

Application

Timber or brackets
- Steel sections greater than 2.0 mm in thickness
- Aluminium section 3.0mm and greater in thickness



EJOT Corremaks Self-Tapping screws JZ1

Stainless steel 1.4529 thread-forming fasteners.

EJOT JZ1 Self-Tapping Screws 3/8 AF



Ø x L (mm)	Washer Options		Min Qty
	S16 Min ECT Max	S19 Min ECT Max	
6.3 x 22	2.0 - 15.0	2.0 - 15.0	100
6.3 x 54	2.0 - 47.0	2.0 - 47.0	100
6.3 x 70	2.0 - 63.0	2.0 - 63.0	100
6.3 x 125	65.0 - 118.0	65.0 - 118.0	100

Order Example: JZ1-6.3 x 22 S19

Application

Roofing and cladding steel or aluminium sheets to steel sections greater than 2.0 mm thickness
in highly corrosive environments.
Contact EJOT Technical for suitable environments.

EJOT Low Profile Self-Tapping Screws JA3-FR

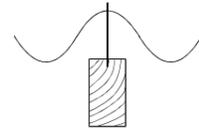
Austenitic stainless steel thread-forming fasteners.
Assembled with stainless steel / EPDM vulcanised sealing washers.

EJOT JA3-FR Low Profile Self-Tapping Screws

T25

Application

Profiled steel or aluminium sheets
- Timber
Mechanical performance is dependant on embedment and grade of timber



Ø x L (mm)	S12 Washer Options	Min Qty
	Min ECT Max	
4.9 x 38	-	100
4.9 x 64	-	100

Order Example: JA3-FR-4.9 x 38 S12



EJOT Low Profile Self-Tapping Screws JA3-LT

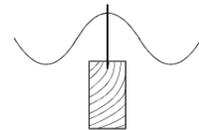
Austenitic stainless steel thread-forming fasteners.
Assembled with stainless steel / EPDM vulcanised sealing washers.

EJOT JA3-LT Low Profile Self-Tapping Screws

T20

Application

Cladding Panels
- Timber
Mechanical performance is dependant on embedment and grade of timber



Ø x L (mm)	Washer Options	Min Qty
	Min ECT Max	
4.9 x 25	-	100
4.9 x 38	-	100

Order Example: JA3-LT-4.9 x 25 S12



EJOT Self-Tapping Screws PTS

A4 stainless steel thread forming fasteners.

EJOT PTS Self-Tapping Screws

T30

Application

Concealed fixing of brackets to high pressure laminate facade panels



Ø x L (mm)	Washer Options	Min Qty
	Min ECT Max	
6.0 x 9.5	-	100
6.0 x 11.5	-	100
6.0 x 14.5	-	100

Order Example: PTS 6.0 x 9.5

Drill hole diameter for profiled steel sheet structures

Thickness of building part i Hot - dip galvanized steel - sheet (R _m ≥ 360N/mm ²)	Thickness of building part ii Hot - dip galvanized steel - sheet / steel - profiles / rolled steel ST 37 (R _m ≥ 360N/mm ² ≤ 440N/mm ²)															mm	
	0.63	0.75	0.88	1.00	1.13	1.25	1.50	2x 0.75	2x 0.88	2x 1.00	2.0-4.9	5.0-6.9	≥7.0	1.5-5.9	6.0-7.9		8.0-9.9
0.63	3.5	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.0	5.3	5.5	5.7	6.8	7.0	7.2	Drill Hole
0.75	3.5*	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.0	5.3	5.5	5.7	6.8	7.0	7.2	
0.88	3.5*	4.0*	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.0	5.3	5.5	5.7	6.8	7.0	7.2	Diameter
1.00	3.5*	4.0*	3.5*	4.5	4.5	4.5	4.5	4.5	4.5*	5.0	5.3	5.5	5.7	6.8	7.0	7.2	
1.13	3.5*	4.0*	3.5*	4.5*	4.5	4.5	4.5	4.5	4.5*	5.0*	5.3	5.5	5.7	6.8	7.0	7.2	mm
1.25	3.5*	4.0*	3.5*	4.5*	4.5*	4.5	4.5	4.5	4.5*	5.0*	5.3	5.5	5.7	6.8	7.0	7.2	
1.50	3.5*	4.0*	3.5*	4.5*	4.5*	4.5*	5.0*	4.5	4.5*	5.0*	5.3	5.5	5.7	6.8	7.0	7.2	
2.00	-	-	-	4.5*	4.5*	4.5*	5.0*	-	-	5.0*	5.3	5.5	5.7	-	7.0	7.2	

EJOT fastener type: JAØ 6.5, JZØ 6.3, JZØ 8.0

Drill hole diameter for profiled aluminium sheet structures

Thickness of building part i Aluminium sheet (R _m ≥ 280N/mm ²)	Thickness of building part ii Aluminium sheet, aluminium profiles F22 - F25 (R _m ≥ 220N/mm ² ≤ 290N/mm ²)					mm
	-0.9	1.0 - 1.4	1.5 - 2.9	3.0 - 4.9	5.0	
0.4	4.0	4.0	4.5	5.0	5.3	Drill Hole
0.5	4.0	4.0	4.5	5.0	5.3	
0.6	4.0	4.0	4.5	5.0	5.3	Diameter
0.7	4.0	4.0	4.5	5.0	5.3	
0.8	4.0	4.0	4.5	5.0	5.3	mm
1.0	4.0	4.0	4.5	5.0	5.3	
1.2	4.0*	4.0	4.5	5.0	5.3	
1.5	4.0*	4.0	4.5	5.0	5.3	

EJOT fastener type: JAØ 6.5, JZØ 6.3

Thickness of building part i
* Through-hole > screw diameter in building part i necessary.
NB: When fixing profiled aluminium sheet (Building part i) to steel substructure (Building part ii) please use the drill hole table for profiled steel sheet.

How to determine the drill hole diameter

Thickness of building part i Aluminium sheet (R _m ≥ 280N/mm ²)	Thickness of building part ii Aluminium sheet, aluminium profiles F22 - F25 (R _m ≥ 220N/mm ² ≤ 290N/mm ²)					mm
	-0.9	1.0 - 1.4	1.5 - 2.9	3.0 - 4.9	5.0	
0.4	4.0	4.0	4.5	5.0	5.3	Drill Hole
0.5	4.0	4.0	4.5	5.0	5.3	
0.6	4.0	4.0	4.5	5.0	5.3	Diameter
0.7	4.0	4.0	4.5	5.0	5.3	
0.8	4.0	4.0	4.5	5.0	5.3	mm
1.0	4.0	4.0	4.5	5.0	5.3	
1.2	4.0	4.0	4.5	5.0	5.3	
1.5	4.0	4.0	4.5	4.5	5.3	

EJOT fastener type: JAØ 6.5, JZØ 6.3

Example
Thickness of building part I = 0.7 mm aluminium sheet
Thickness of building part II = 3.0 mm aluminium profile
Screw type = EJOT JZ3 6.3 xL
Drill hole = 5.0 mm diameter

EJOT Storm Washers



PRODUCT GROUP

A range of washers designed to seal against the crown of a profile to ensure a safe secure seal against the ingress of water.

DESIGN

The washer profile is designed to follow the crown of sheet. Structural ribs are utilised to give added wind uplift resistance.

ASSEMBLY

All Storm Washers are supplied with bonded, open cell, EPDM to form a water-tight barrier seal against the sheet when compressed.

FINISH

Storm Washers are supplied with a blank aluminium finish. A textured finish can be specified should the detail require it.

EJOT COLOUR MATCHING



Colour matching available on all storm washers. Please ask for details.

EJOT Storm Washers - Trapezoidal Profiles

Pressed aluminium washers with bonded EPDM. Formed to suit corrugated profiles.

Storm

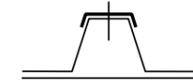


L (mm)	Angle (deg)	For Trapezoidal		Min Qty
		Suitable for Crown width (mm)	Angle of leg From vertical (deg)	
20	- 34	19	34	100
21	- 16	20	16	100
26	- 15	25	15	100
26	- 27	25	27	100
31	- 37	30	37	100
32	- 25	31	25	100
35	- 23	34	23	100
36	- 40	35	40	100
41	- 16	40	16	100
41	- 32	40	32	100
55	- 32	54	32	100

Order Example: Storm Washer 20 - 34

Application

Crown fixing trapezoidal profiles
 Note: All Storm Washers are supplied as standard with a blank aluminium finish. If a powder coated finish is required please specify when ordering.
 All Storm Washers have a 7mm hole and should be used in conjunction with a fastener assembled with a 15mm or 16mm bonded washer.
 Washers can be bent or stretched to suit most profiles.



EJOT Storm Washers - Sinusoidal Profiles

Pressed aluminium washers with bonded EPDM. Formed to suit round profiles.

Storm W



Radius (mm)	L (mm)	Sinusoidal Profiles		Min Qty
		Suitable for Profile of Radius (mm)	Length of Arc (mm)	
24	- 50	24	50	100
48	- 50	49	50	100

Order Example: Storm Washer W24

Application

Crown fixing sinusoidal profiles
 Note: All Storm Washers are supplied as standard with a blank aluminium finish. If a powder coated finish is required please specify when ordering.
 All Storm Washers have a 7mm hole and should be used in conjunction with a fastener assembled with a 15mm or 16mm bonded washer.



EJOT Rivets



PRODUCT GROUP

A range of breakstem rivets specifically designed for internal and external applications in the construction industry.

DESIGN

The mandrel and body design and material specifications have been chosen to offer the optimum performance in a variety of exposures.

ASSEMBLY

Where specified they are assembled with a high quality EPDM sealing ring.

Note: only sealed end rivets will not allow water to pass down the centre of the rivet body.

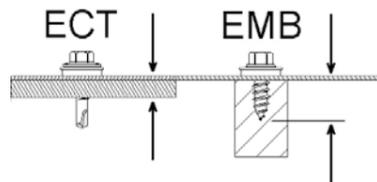
FINISH

Where the mandrel and/or body is steel it is finished in a bright zinc plate. Aluminium and stainless steel are self-finish.



EJOT COLOUR MATCHING

For colour matching please select the AL-V coloured rivet. Check with EJOT for suitable coloured cap options for other rivet types.

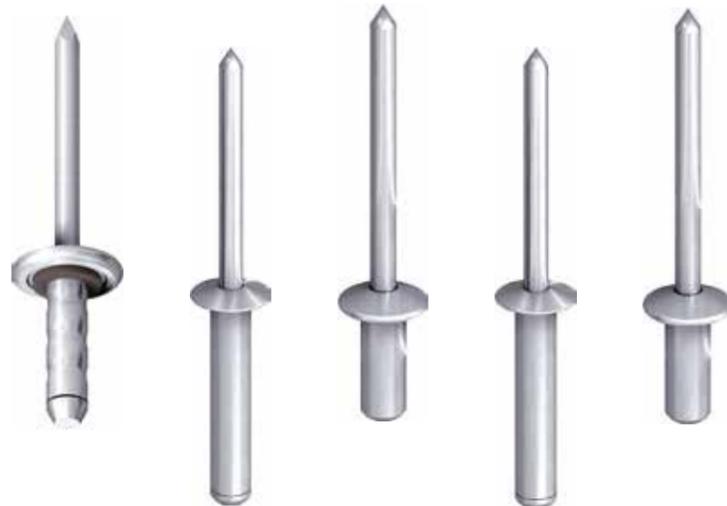


Effective Clamping Thickness

(ECT) is the total thickness of the build up to be fixed.

Embedment

(EMB) figures relate to depth into substrate (not including clamp pieces).



EJOT Bulb-tite Rivets

Aluminium body incorporating a neoprene seal and an aluminium mandrel.

Designed to expand, forming individual claws on the underside of the application for maximum mechanical performance.

Bulb-tite

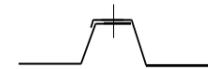


Ø x L (mm)	Rivet Info			Min Qty
	Grip Range Min ECT Max	Drill Dia Min T Max	Equivalent Gesipa Ref:	
5.2 x 17.5	1.3 - 4.8	5.3 - 5.4	6604-6-3W	100
5.2 x 19.1	1.6 - 6.4	5.3 - 5.4	6604-6-4W	100
5.2 x 22.2	4.7 - 9.5	5.3 - 5.4	6604-6-6W	100
5.2 x 25.4	7.9 - 12.7	5.3 - 5.4	6604-6-8W	100
5.2 x 31.8	14.3 - 19.1	5.3 - 5.4	6604-6-12W	100

Order Example: Bulb-tite 5.2 x 17.5

Application

Aluminium or steel sections
- Aluminium or steel sections with a combined thickness within the specified grip range
A full range of colour matched rivet caps can be seen in the accessories section.



EJOT Varigrip Rivets

Aluminium body with a low carbon steel mandrel.

Designed with an expanding body to offer the greatest possible grip range.

D11 AL/V

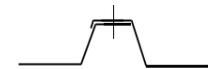


Ø x L (mm)	Rivet Info		Min Qty
	Grip Range Min ECT Max	Hole Size Min T Max	
4.8 x 16	0.1 x - 11.0	4.9 - 5.0	100

Order Example: D11 AL/V 4.8 x 16 W
(When W is added the rivet is assembled with a sealing washer)

Application

Aluminium or steel sections
- Aluminium or steel sections with a combined thickness within the specified grip range
The application of a sealing ring will not significantly affect the grip range.
The full range of colour matched rivet caps can be seen in the accessories section.



EJOT Steel Rivets

Galvanised steel body and galvanised steel mandrel.

V/V

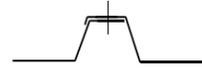


Ø x L (mm)	Rivet Info			Min Qty
	Max Grip Min ECT Max	Hole Size Min T Max	Colours Available	
3.2 x 8.0	0.3 - 5.0	3.3 - 3.4	White	100
4.8 x 10.0	4.0 - 6.0	4.9 - 5.0	-	100

Order Example: V/V 3.2 x 8.0

Application

Steel cladding sheets
 - steel cladding sheets in firewall applications
 * The 3.2 x 8 is available in white when specified.
 In all other cases this rivet will be supplied self-finish.



EJOT Closed End Rivets

Aluminium body incorporating a sealing ring and a steel mandrel.

CEAL/V

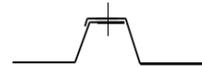


Ø x L (mm)	Rivet Info			Min Qty
	Max Grip Min ECT Max	Hole Size Min T Max	Colours Available	
4.8 x 8.0	1.0 - 3.5	4.9 - 5.0		100
4.8 x 11.0	5.0 - 6.5	4.9 - 5.0		100
4.8 x 12.5	6.5 - 8.0	4.9 - 5.0		100
4.8 x 14.5	8.0 - 9.5	4.9 - 5.0		100

Order Example: CEAL/V 4.8 x 11.0 W
 (When W is added the rivet is assembled with a sealing washer)

Application

Aluminium or steel sections
 - Aluminium or steel sections with a combined thickness within the specified grip range where the rivet must provide a water-tight seal (when used with a sealing ring)
 The application of a sealing ring will not significantly affect the grip range.
 The full range of colour matched rivet caps can be seen in the accessories section



EJOT Closed End Rivets

Aluminium body incorporating a sealing ring and a stainless steel mandrel.

CEAL/E



Ø x L (mm)	Rivet Info			Min Qty
	Max Grip Min ECT Max	Hole Size Min T Max	Colours Available	
4.8 x 8.0	1.0 - 3.5	4.9 - 5.0		100
4.8 x 11.0	5.0 - 6.5	4.9 - 5.0		100
4.8 x 12.5	6.5 - 8.0	4.9 - 5.0		100
4.8 x 14.5	8.0 - 9.5	4.9 - 5.0		100

Order Example: CEAL/E 4.8 x 11.0 W
 (When W is added the rivet is assembled with a sealing washer)

Application

Aluminium or steel sections
 - Aluminium or steel sections with a combined thickness within the specified grip range where the rivet must provide a water-tight seal (when used with a sealing ring)
 The application of a sealing ring will not significantly affect the grip range.
 The full range of colour matched rivet caps can be seen in the accessories section



EJOT Coloured Rivets AL-V

Aluminium body with a low carbon steel mandrel. Powder coated to RAL and BS standard colours.

AL/V



Ø x L (mm)	Rivet Info			Min Qty
	Max Grip Min ECT Max	Hole Size Min T Max	Colours Available	
4.8 x 15	1.5 - 6.0	4.9 - 5.0	RAL/BS	100

Order Example: AL-V 4.8 x 15 RAL9006

Application

Aluminium or steel sections
 - Aluminium or steel sections with a combined thickness within the specified grip range
 For non standard colours please contact our sales department for availability



EJOT Accessories



PRODUCT GROUP

This range of products has been designed for use with EJOT fasteners to provide the overall needs of the contractor with regard to the fastener element on most roofing applications.

EJOT Universal Scaffolding Anchor GU

GU-Threaded Sleeve, Austenitic Stainless Steel EJOT self tapping fasteners JZ3.

EJOT JZ3-GU

3/8 AF



Ø x L (mm)	Threaded Sleeve (mm)	Screw Length (mm)	Sealing Washer	Min Qty
6.3 x 15	M14 x 1.5	38	S16	50
6.3 x 30	M14 x 1.5	50	S16	50
6.3 x 45	M14 x 1.5	64	S16	50
6.3 x 70	M14 x 1.5	90	S16	50
6.3 x 80	M14 x 1.5	100	S16	50
6.3 x 95	M14 x 1.5	115	S16	50
6.3 x 105	M14 x 1.5	125	S16	50
6.3 x 130	M14 x 1.5	150	S16	50
6.3 x 155	M14 x 1.5	175	S16	50
6.3 x 180	M14 x 1.5	200	S16	50

Application

Steel Structure over 2mm
- Aluminium Structure
3 mm and over

Order Example: JZ3-GU-6.3 x 15 S16

EJOT Universal Scaffolding Anchor GU

GU-Threaded Sleeve, Austenitic Stainless Steel EJOT self tapping fasteners JA3.

EJOT JA3-GU

3/8 AF



Ø x L (mm)	Threaded Sleeve (mm)	Screw Length (mm)	Sealing Washer	Min Qty
6.5 x 55	M14 x 1.5	75	S16	50
6.5 x 70	M14 x 1.5	90	S16	50
6.5 x 80	M14 x 1.5	100	S16	50
6.5 x 95	M14 x 1.5	115	S16	50
6.5 x 105	M14 x 1.5	125	S16	50
6.5 x 130	M14 x 1.5	150	S16	50
6.5 x 155	M14 x 1.5	175	S16	50
6.5 x 180	M14 x 1.5	200	S16	50
6.5 x 155	M14 x 1.5	175	S16	50
6.5 x 180	M14 x 1.5	200	S16	50

Application

Timber
- Steel Structure
under 2 mm

Order Example: JA3-GU-6.5 x 55 S16

EJOT GU Threaded Sleeve - Universal Scaffold Anchor

Austenitic stainless steel threaded sleeve for use with the GU Eyebolt.

GU Threaded Sleeve



Ø (mm)	Sleeve Length (mm)	Thread Type (mm)	Material	Min Qty
M14	18.0	M14	Stainless Steel	50

Order Example: GU Threaded Sleeve

Application

Securing scaffolding during metal construction works when used in conjunction with the 3/8in head JZ3 and JA3 fasteners

EJOT GU and GT Eyebolt - Universal Scaffold Anchor

Forged zinc plated carbon steel eyebolt.

GU and GT Eye-bolt



Ø (mm)	Ø Eyebolt (mm)	Thread Type (mm)	Material	Min Qty
GU Eyebolt M14	25.0	M14	Carbon Steel	50
GT Stainless Steel Eyebolt M10	25.0	M10	Stainless Steel	50
GT Carbon Steel Eyebolt M10	25.0	M10	Carbon Steel	50

Order Example: GU Eye-bolt M14

Application

Securing scaffolding during metal construction works

EJOT Universal Scaffolding Anchor

Forged zinc plated carbon steel eyebolt.

EJOT JZ3 - GT

T30



Ø x L (mm)	Anchor Threaded (mm)	Screw Length (mm)	Sealing Washer	Min Qty
6.3 x 25	M10	25	E16	50
6.3 x 64	M10	64	E16	50
6.3 x 100	M10	100	E16	50

Order Example: JZ3 - GT - 6.3 x 25 E16

Application

Steel Structure over 2mm
Aluminium Structure
3 mm and over

EJOT JA3 - GT

T30



Ø x L (mm)	Anchor Threaded (mm)	Screw Length (mm)	Sealing Washer	Min Qty
6.5 x 32	M10	32	E16	50
6.5 x 64	M10	64	E16	50

Order Example: JA3 - GT - 6.5 x 32 E16

Application

Steel Structure under 2mm
- Timber

DEKTITE® Square Base

A range of Ethylene Propylene Diene Monomer (EPDM) external pipe flashings.

DFE



	For Pipe Dia mm	Base Dimensions mm	For Roof Pitch Angle (deg)	Colour
DFE100B	0.0 - 35.0	100 x 100	0 - 45°	Black
DFE101B	5.0 - 55.0	139 x 139	0 - 45°	Black
DFE102B	5.0 - 76.0	178 x 178	0 - 45°	Black
DFE103B	5.0 - 120.0	221 x 221	0 - 45°	Black
DFE104B	75.0 - 175.0	280 x 280	0 - 45°	Black
DFE105B	100.0 - 200.0	310 x 310	0 - 45°	Black
DFE106B	125.0 - 230.0	363 x 363	0 - 45°	Black
DFE107B	150.0 - 300.0	456 x 456	0 - 45°	Black
DFE108B	170.0 - 355.0	496 x 496	0 - 45°	Black
DFE109B	230.0 - 508.0	681 x 681	0 - 45°	Black

Order Example: DFE100B 0 - 35

Application

Watertight sealing around external pipes and vents. The high grade EPDM material will withstand temperatures of - 50°C to + 115°C with intermittent temperatures up to 150°C



DEKTITE® Retrofit™

A range of Ethylene Propylene Diene Monomer (EPDM) external pipe flashings.

RF



	For Pipe Dia mm	Base Dimensions mm	For Roof Pitch Angle (deg)	Colour
RF801G	20.0 - 70.0	160	0 - 40°	Grey
RF802G	50.0 - 185.0	273	0 - 40°	Grey
RF803G	85.0 - 255.0	369	0 - 40°	Grey

Order Example: RF 801

Application

Watertight sealing around external pipes and vents where the flashing needs to go around, not over. The high grade EPDM material with withstand temperatures of - 50°C to + 115°C with intermittent temperatures up to 150°C.



DEKTITE® Soaker and DEKTITE® Retrofit™ Soaker™

A range of Ethylene Propylene Diene Monomer (EPDM) external pipe flashings.

DF



	For Pipe Dia mm	Base Dimensions mm	For Roof Pitch Angle (deg)	Colour
DF602	75.0 - 155.0	410 x 360	0 - 60° *	Grey
DF603	114.0 - 254.0	485 x 460	0 - 60° *	Grey
DF605	255.0 - 406.0	708 x 635	0 - 60° *	Grey
DF606	380.0 - 610.0	1006 x 905	0 - 60° *	Grey
RFS4	235.0 - 425.0	750 x 660	0 - 40°	Grey

Order Example: DF 603

Application

Watertight sealing around external pipes and vents where the pipe spans several corrugations and damming needs to be considered. The high grade EPDM material with withstand temperatures of - 50°C to + 115°C with intermittent temperatures up to 150°C. * It should be noted that for a 60°C Pitch, do not cut below the first three sizing ribs on the 602, 603, 605 and 606



DEKTITE® Combo

A range of Ethylene Propylene Diene Monomer (EPDM) external pipe flashings.

DC



	For Pipe Dia mm	Base Dimensions mm	For Roof Pitch Angle (deg)	Colour
DC101BC	5.0 - 60.0	139 x 139	0 - 40°	Black
DC102BC	45.0 - 85.0	177 x 177	0 - 40°	Black
DC103BC	5.0 - 127.0	218 x 218	0 - 40°	Black
DC104BC	75.0 - 174.0	285 x 285	0 - 40°	Black
DC105BC	108.0 - 190.0	365 x 365	0 - 40°	Black
DC106BC	125.0 - 230.0	365 x 365	0 - 40°	Black
DC107BC	150.0 - 280.0	454 x 454	0 - 40°	Black
DC108BC	175.0 - 330.0	456 x 456	0 - 40°	Black
DC109BC	240.0 - 503.0	685 x 685	0 - 40°	Black
DC110BC	350.0 - 760.0	965 x 965	#	Black

Order Example: DFE109B

Application

Watertight sealing around external pipes and vents where the flashing can go either over or around. Use as a standard Premium Dektite or Retrofit when required. Cut and fit around the pipe and fit with clips (supplied).

350-500mm maximum 30°C roof pitch
500-760mm maximum 15°C roof pitch

STRESS ISOLATION POINTS

Unique to DEKTITE®, two flexible shoulders absorb distortion and stop transfer of stresses from base to cone, as unit is formed over roof profile

FLEXIBLE CONE SLEEVE

Familiar DEKTITE® cone shape is retained to eliminate seal breakdown due to vibration or expansion and contraction, while isolation of pipe from sheeting dampens noise levels.

EASILY IDENTIFIED SIZING

Pipe diameter rings are clearly marked on the cone sleeve (metric and imperial) for cutting to match the appropriate pipe diameter

LOW PROFILE DESIGN

Sleek, less obtrusive shape is designed to minimise silhouette on roof line, while managing to provide generous internal clearance for steep angular installations.

BONDED ALUMINIUM FLANGE

Corrosion-resistant, malleable flange, evenly distributes fastening pressure and allows ease of hand-shaping on most sheet profiles.

INTEGRITY OF FLASHING SHAPE

Minimal distortion after installation, maintains natural flashing shape and seal around pipe, water run-off is improved and 'puddling' eliminated.

LARGE BASE AREA

For better coverage of penetration cut-out and improved performance over steep roof pitches and a wider variety of cladding profiles

IMPROVED WATERPROOFING

Designed to strengthen sealant bond and improve waterproofing, the proven ribbed base now has added protection with an angled skirting edge helping shed moisture and contributing to a superior waterproofing seal.

New improved design

- Square base fits any hole
- No pleat allowing water to run cleanly off
- New, sleek low profile look to improve the aesthetic of any roof
- Cutting guides are present down the cone to ensure correct compression against your pipe
- Unique annular rings under-neath the flexible aluminium base provide a key for the silicone to bond

Expandable Edge Dekstrip®

An EPDM roll with two expandable aluminium edges to suit almost any profile.

DS



	Roll Width mm	Roll Length mm	Colour
DS23-180	180	23	Grey
DS10-235	235	10	Grey
DS10-305	305	10	Grey
DS15-450	450	15	Grey

Order Example: DS23-180

Application

Flashing square ducts, skylights and chimneys where a DEKTITE® is not practical or available

The high grade EPDM material will withstand temperatures of -50°C to +115°C with intermittent temperatures up to 150°C.

The expanding edge

Encases an 'S' shaped aluminium strip in both edges for easy forming to many profiles. Produces a drain effect in three dimension installations



EJOT Grey Butyl

Class A Butyl strip sealant.

EJOT Grey Butyl

Application

Use in lap situations with metal profiled sheeting.

Thick mm X Width mm	Application Information	
	Length m	Colour mm
3.0 x 9.0	15	Grey
4.0mm bead	12	Grey
6.0mm bead	8	Grey
8.0mm bead	6	Grey
5.0 x 6.0	9.6	Grey

Order Example: EJOT Grey 3.0 x 9.0 Butyl

Butyl Blue Strip Sealant

Class A Butyl strip sealant.

EJOT High Performance Butyl - Blue

Application

Use in lap situations with metal profiled sheeting.

Thick mm X Width mm	Application Information	
	Length m	Colour mm
3.0 x 9.0	15	Blue
4.0mm bead	12	Blue
6.0mm bead	8	Blue
8.0mm bead	6	Blue
5.0 x 6.0	9.6	Blue

Order Example: EJOT 5.0 x 6.0 Blue Butyl

Gun Applied Sealants

Gun applied silicone and butyl based sealants.

LMN Silicone

Application

General sealing of laps and junctions and pointing of joints.

	Cartridge size mm	Chemical Base mm	Colour	Min Qty
LMN Silicone	310	Silicone	Translucent	1
LMN Silicone	310	Silicone	White	1
Premseal BR	400	Butyl	Grey	1

Order Example: LMN Silicone Trans

Polyethylene, EPDM and Metallocene Polyolefin Foam Fillers

Fillers cut to suit all profiles and variations.

Application

Sealing eaves and ridge of profiled metal sheets

Please contact one of our Technical Sales staff who will work through your requirements and provide full details of the fillers required to suit your application. For details of your local Technical Sales Representative please contact our sales department.

Closed Cell EPDM Foam Tape

A high performance, white, EPDM foam tape.

EPDM Foam Tape

Application

Use in side and end lap situations for rooflights or metal sheets where specified
Contact customer services for available sizes.

PVC Barrier Tape

Polyvinyl Chloride Barrier tape for barrier protection between dissimilar metals.

PVC Barrier Tape

Application

Forming a barrier between purlin and sheet where metals are dissimilar, e.g. an aluminium sheet on a galvanised steel zed. Other sizes are available on request. Please contact EJOT Sales for details

Width mm	Length mm	Min Qty
50	33	1

Order Example: PVC Barrier Tape

Liner Panel Sealants

Aluminium foil tape.

Aluminium Foil Tape

Application

General sealing of liner panels to form a vapour check

Thick mm X Width mm	Application Information		Min Qty
	Length m	Application Type	
50 x 45	45	Self-Adhesive	1
75 x 45	45	Self-Adhesive	1

Order Example: Aluminium Foil Tape 50 x 45

EJOband

EJOband

Application

High performance sealing of side laps of metal liner panels

We are unable to split boxes therefore a single box is the min order quantity

Thick mm X Width mm	Application Information			Min Qty
	Length m	Film	Strip	
50 x 1	35	Clear	White	1

Order Example: Moisture Vapour Tape 50 x 1

EJOT Precompressed Impregnated Polyurethane Foam Tape

Expanding Foam Tape.

BG1 Expanding Foam Tape

Application

Sealing expansion joints

A range of sizes are available. Please contact EJOT's Technical department to determine the correct compressed and expanded size to suit your application.

EJOT Tool Accessories



PRODUCT GROUP

With the vast amount of research and development invested in the design and manufacture of EJOT fasteners to provide optimum performance, the installation tools used are of prime importance to the correct function of these fasteners.

DESIGN

The tools and accessories offered in this range have been designed specifically for use with EJOT fasteners to give correct installation features such as driving speed, torque, etc. as well as maximum consideration to the fixer.

Installation Tools

Powerful screwdriver incorporating a depth-locating nosepiece ideal for installing EJOT Self-Drilling Fasteners.

ASCS 6.3 Select



Application

Speed-optimised cordless drill/driver for screw connections in metal up to a diameter of 6.3 mm.

Technical Data:

Battery voltage	18 V
Speed, full load	0-1500 rpm
Speed, no load	0-1700 rpm
Max. torque (hard/soft)	30/10 Nm
Rapid change chuck	1/4 in
Screw Ø	6,3 mm
Cordless	Yes

Product Features:

- Powerful battery for more than 150 screw connections in 1.25 mm trapezoidal sheet metal on to 2 mm steel.
- Electronic torque shut-off for precise results even without a depth stop.
- Maintenance-free, brush-free and highly-effective EC motor.
- Tested for more than 1 million screw connections.
- More than 1,000 charge cycles per battery pack.
- Extremely light weight.
- Optimum ergonomics with gun handle for high contact pressure.
- Powerful up to 30 Nm.

Order Example: TE1

Supplied with:

- 1 ASCS 6.3 in plastic tool case
- 1 hook
- 1 depth stop
- 1 insert for hexagon bolts SW 8

Battery Starter Set	Current/Voltages	Capacity
2 X Li-ion batteries with ALG 50 rapid charger	18V	5 Ah
Battery Starter Set	Current/Voltages	Capacity
2 X Li-ion batteries with ALG 50 rapid charger	18V	2,5 Ah

TEKS® Screwdriver



Application

Variable speed screwdriver with adjustable depth setting, ideal for Self-Drilling and drywall screws.

Technical Data:

Bit Mount:	6.35mm
No-load Speed:	0-1700/min
Input Power:	620W
Drywall Screw:	6mm
Self-Drilling Screw:	8mm
Wood Screw:	6.2mm
Overall Length:	312mm
Weight:	1.5kg

Product Features:

- Ideal for the installation of Self-Drilling screws
- Adjustable depth setting
- High power 620W motor
- Variable speed
- Forward/reverse selection
- Lock-on button
- Ergonomic body design with soft grip handle
- Improved handle geometry for greater operator comfort
- Aluminium gear casing for extended product durability
- Soft urethane cover on gear housing prevents damage to the work surface
- Detachable sub stopper for easy bit replacement
- Extra long 7.5m power cord

Order Example: TE1

Supplied with:

- Magnetic hex socket
- Detachable sub stopper

EJOT Driving Accessories

Phillips Drive Bits

Code and Type	Bit type	Usage
P2 Drive bit	Phillips 2	With mag bit holder
P2 Drive bit 50mm	Phillips 2	Direct into screwgun
P2 Drive bit 100mm	Phillips 2	Direct into screwgun
P2 Drive bit 150mm	Phillips 2	Direct into screwgun
P2 Drive bit 200mm	Phillips 2	Direct into screwgun
P3 Drive Bit	Phillips 3	With mag bit holder
Pozi 2 Drive bit	Pozi 2	With mag bit holder

Torx Drive Bits

Code and Type	Bit type	Usage
T 20	Torx 20	With mag bit holder
T 20 Wedge	Torx 20 W	With mag bit holder
T 25	Torx 25	With mag bit holder
T 25 Wedge	Torx 25 W	With mag bit holder
T 30	Torx 30	With mag bit holder
T 30 Wedge	Torx 30W	With mag bit holder
T 40	Torx 40	With mag bit holder
T 25 Wedge x 127mm	Torx 25	Direct into screwgun

Magnetic Drive Bit Holders

Code and Type	Description
Magnetic bit Holder 60mm	1/4" bit holder with magnet & clip
Magnetic bit Holder 150mm	1/4" bit holder with magnet & clip

Drive Sockets (One Piece)

Code and Type	Description
8mm Magnetic Hex One Piece Socket	8mm hex with magnet
8mm Clip Hex One Piece Socket	8mm hex with clip
11mm Bi Hex One Piece Socket	11mm bi hex for colorfast
3/8" Magnetic Hex One Piece Socket	3/8" hex with magnet
10mm Clip Hex One Piece Socket	10mm hex with clip
8mm Magnetic Hex Socket CF	For low profile hex fasteners

Use with magnetic drive bit holders to extend length.

FR Driving System

Code and Type	Description
FR Drive Tool (Complete)	complete driving tool for FR washered screws
FR Drive Tool Spare Bit	spare bit
FR Varitool	complete driving tool for unwashered FR screws

Drive bars for Opticore

Code and Type	Description
Opticore drive bar torx 30 plus	internal drive for light section/stitchers
Opticore drive bar 11mm Bi Hex	external drive for heavy section/timber

Rivet Tools

ECORIV ONE



Product features:

- 10,000 N pulling force for all rivets up to 5.0 mm
- 21 mm stroke
- Weight only 1,87 Kg
- 14.4 V DC-Motor
- Unbreakable clear mandrel container
- Control LED for "Overload" and "Empty Battery"
- LED-Light to torch the rivet hole
- Delivered with nose pieces for rivets 2.4 mm, 3.0/3.2 mm, 4.0 mm and 4.8/5.0 mm
- 11 mm spanner for change over
- Batteries with 1.5 Ah or 3.0 Ah and indicator
- Charger can charge 1.5 and 3.0 Ah battery
- Packaged in black BMC
- Optional long front sleeve
- Optional Vario nose piece
- Optional retention nose pieces

ECORIV One working range

	2,4	3,0	3,2	4,0	4,8	5,0	6,0	6,4	8,0
Aluminium									
Steel									
Stainless Steel									
Copper Alloys									

ALSO SUITABLE FOR THE PROCESSING OF FOLDING BLIND RIVETS UP TO 5.2 MM!

Scope of delivery standard version V1
 • 4 Nose pieces in a box
 • 1 Mandrel collector
 • 1 Li-Ion Battery 14.4V/1.5Ah*
 • 1 Quick-charger 220V
 • Installation wrench

Stroke: 21mm
 *Capacity: Up to 2,000pcs. Blind Rivets depending on type and material

Max. mandrel-Ø: 3.4 mm
 Working power: 10,000 N
 Charging time 1,5Ah:<1 h
 Weight: 1.5 kg plus Battery (0.33kg/0.53kg)

Standard version Item No.: 320.400.000.001-10

ECORIV TWO



Product features:

- 20,000 N pulling force for all rivets up to 6.4 mm
- 30 mm stroke, ideal for Monobolt or split-/peelrivets
- Weight only 1,99 Kg
- 20 V BLDC-Motor
- Unbreakable clear mandrel container
- Electronic safety switch for mandrel container
- Safety cap for operation without mandrel container
- Wire bracket to hang up the tool
- Manual and automatic operation mode
- Service function
- Control LED for "Overload" and "Empty Battery"
- LED-Light to torch the rivet hole
- Delivered with nose pieces for rivets 4.0 mm, 4.8/5.0 mm, 6.0 mm and 6.4 mm and 13 mm key for change over
- Electronic automatic charger and 20 V – 2.0 Li-Ion Battery
- Two packaging options

ECORIV Two working range

	2,4	3,0	3,2	4,0	4,8	5,0	6,0	6,4	8,0
Aluminium									
Steel									
Stainless Steel									
Copper Alloys									

Scope of delivery standard version V1 in L-Box
 • 4 Nose pieces in a box
 • 1 Mandrel collector
 • 1 Li-Ion Battery 20V/2.0Ah*
 • 1 Quick-charger 220V
 • Installation wrench

Stroke: 30mm
 *Capacity: Up to 2,000pcs. Blind Rivets depending on type and material

Max. mandrel-Ø: 4.8 mm
 Working power: 20,000 N
 Charging time 2.0Ah:<1 h max. 30 minutes
 Weight: 1.63 kg plus Battery (0.37kg)

Standard version Item No.: 320.500.000.002-10

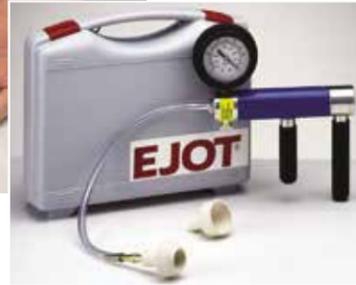
EJOT VACUtest

The tool for seal-testing of screw and rivet assemblies on roof and wall applications.

VACUtest



Application
Screw and rivet assemblies on smooth and non-porous surfaces



- Product Features:**
- Easy handling
 - Fast and precise seal-testing of assemblies
 - No technical training required
- Order Example: VACUtest**

- EJOT VACUtest comes equipped with:**
- Hand-pump with manometer
 - Tube with 2 interchangeable nosepieces (nosepieces supplied to suit A29 washers on rooflight assemblies)
 - Operating instructions
 - Transport box

EJOT Drill Bits

HSS Drills - EJOT precision drills made of high quality HSS steel for maximum endurance and life.

HSS



Ø x L mm	Ø mm	Overall Length mm	Pack Qty
3.3 x 45	3.3	60	10
4.0 x 60	4.0	55	10
4.1 x 55	4.1	55	10
4.5 x 60	4.5	60	10
4.5 x 125	4.5	125	10
4.5 x 175	4.5	175	10
5.0 x 60	5.0	60	10
5.0 x 95	5.0	95	10
5.0 x 125	5.0	125	10
5.0 x 175	5.0	175	10
5.0 x 200	5.0	220	10
5.0 x 250	5.0	250	10
5.3 x 60	5.3	60	10
5.3 x 95	5.3	95	10
5.3 x 125	5.3	125	10
5.3 x 175	5.3	175	10
5.3 x 220	5.3	220	10
5.3 x 250	5.3	250	10
5.3 x 290	5.3	290	10
5.5 x 65	5.5	65	10
5.5 x 95	5.5	95	10
5.5 x 125	5.5	125	10
5.5 x 175	5.5	175	10
5.5 x 220	5.5	220	10
5.5 x 250	5.5	250	10
5.5 x 290	5.5	290	10
5.7 x 65	5.7	65	10
5.7 x 95	5.7	95	10
5.7 x 125	5.7	125	10
5.7 x 170	5.7	170	10
5.7 x 220	5.7	220	10
5.7 x 250	5.7	250	10
5.7 x 290	5.7	290	10
6.8 x 75	6.8	75	10
7.0 x 75	7.0	75	10
7.2 x 75	7.2	75	10

Order Example: HSS 3.3 x 45

Application
Pre-drilling of standard steel sheets and sections

EJOT Cobalt-Tipped Drill Bits

EJOT precision drills made of cobalt-tipped high quality steel.

HSCO



Ø x L mm	Ø mm	Overall Length mm	Pack Qty
4.25 x 55	4.25	55	10
4.5 x 126	4.50	126	10
4.6 x 58	4.60	58	10
5.4 x 66	5.40	66	10
5.4 x 93	5.40	93	10
5.6 x 66	5.60	66	10
5.7 x 66	5.70	66	10
5.8 x 66	5.80	66	10
5.8 x 93	5.80	93	10
5.8 x 139	5.80	139	10

Order Example: HSCO 4.25 x 55

Application

Pre-drilling difficult materials such as stainless steel
Further sizes available on request

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EJOT Terms and Conditions

1. Price

- 1.1. The price quoted excludes VAT (unless otherwise stated). Rates of tax and duties on the goods will be those applying at the time of delivery.
- 1.2. Our quotations lapse after 30 days or until earlier acceptance by you. We have the right to withdraw a quotation at any time before the expiry or 30 days or your acceptance of our quotation.
- 1.3. Unless otherwise stated, the quoted price includes standard delivery for all orders with a sale value in excess of £300 net to the UK mainland (details of affected postcodes and regions can be obtained from customer services). On orders with a sale value below £300 or where a timed delivery is required or where delivery is beyond the UK mainland, the appropriate delivery charge will be quoted at the time that the order is placed save for online sales where we will contact you after the order is placed to confirm delivery costs.
- 1.4. Unless otherwise stated, the price quoted is an illustrative estimate only and the price charged will be our price current at the time of delivery. Any change in the price quoted will be notified before delivery.
- 1.5. At any time before delivery we may adjust the price to reflect any increase in our costs of supplying the goods. Any change in the price quoted will be notified before delivery.
- 1.6. Any order placed does not become binding on EJOT U.K. Limited until EJOT U.K. Limited sends an acknowledgement or confirmation of the order. EJOT U.K. Limited reserves the right to cancel an order in the event of stock unavailability.

2. Delivery

- 2.1. All delivery times quoted are estimates only. Any change in quoted delivery date will be notified. Delivery cannot become fixed by you serving notice to that effect.
- 2.2. If we fail to deliver within a reasonable time, you may (by informing us in writing) cancel the contract, however:
 - 2.2.1. you may not cancel if we receive your notice after the goods have been dispatched and;
 - 2.2.2. if you cancel the contract, you can have no further claim against us under that contract.
 - 2.2.3. if you cancel the contract prior to delivery being made, we reserve the right to seek compensation for the loss of profit on the contract and any costs incurred in respect of it (which can include administration time in dealing with the cancellation) and we would seek reimbursement of any costs of disposal of any products which cannot ordinarily be resold.
- 2.3. If you accept delivery of the goods after the estimated delivery time, it will be on the basis that you have no claim against us for delay (including indirect or consequential loss, or increase in the price of the goods).
- 2.4. We may deliver the goods in installments. Each installment is treated as a separate contract.
- 2.5. We will charge you for any special packaging you request or which, in our opinion, is necessary because delivery takes place other than by normal means.
- 2.6. All crates, pallets and other packaging materials are charged for in addition to the price of the goods unless otherwise stated in writing at the time of your order. Where any packaging materials are so charged, credit will be given if you return them in good condition to us (carriage paid) within 30 days of delivery.

3. Delivery and Safety

- 3.1. We may decline to deliver if:
 - 3.1.1. we believe that it would be unsafe, unlawful or unreasonably difficult to do so; or
 - 3.1.2. the premises (or the access to them) are unsuitable for our vehicle.
- 3.2. If delivery does not take place, either on the estimated date or not at all, because you are at fault or for reasons beyond our control, we may store the goods at your expense. We may insure the goods and deliver them as soon as possible but we may also choose to sell them after a period of one month's storage. We may, in any event, recover our storage and insurance costs, either directly from you or from any proceeds of sale.

4. Payment terms

- 4.1. You are to pay us in cash (or otherwise in cleared funds) on delivery, unless you have an approved credit account.
- 4.2. If you have an approved credit account, payment is due no later than 30 days from the end of month invoiced.
- 4.3. If you fail to pay us in full on the due date:
 - 4.3.1. we may suspend or cancel future deliveries;
 - 4.3.2. we may cancel any discount offered to you;
 - 4.3.3. you must pay us interest at the rate equivalent to that set for the purpose of S6 of the Late Payment of Commercial Debts (Interest) Act 1998:
 - a. calculated (or a daily basis) from the date of our invoice until payment;
 - b. compounded on the first day of each calendar month; and
 - c. before and after any judgment (unless the court orders otherwise).
- 4.4. If you have an approved credit account, we may withdraw it or reduce your credit limit or bring forward your due date for payment. We may do any of these at any time without notice.
- 4.5. You do not have the right to set off any money you may claim from us against anything you may owe us.
- 4.6. While you owe money to us, we have a lien on any of your property in our possession.
- 4.7. You are to indemnify us in full and hold us harmless from all expenses and liabilities we may incur (directly or indirectly) and including finance costs and legal costs on a full indemnity basis) following any breach by you of any of your obligations under these terms.

5. Title

- 5.1. Until you pay all debts you may owe us:
 - 5.1.1. all goods supplied by us remain our property;
 - 5.1.2. you must store them so that they are clearly identifiable as our property;
 - 5.1.3. you must insure them (against the risks for which a prudent owner would insure them) and hold the policy on trust for us;
 - 5.1.4. you may use the goods and sell them in the ordinary course of your business. Where you combine the goods with the products of a third party we will own a proportion of the final product in direct proportion to the contribution of our goods to the final product. Where you resell the goods you will hold the sale proceeds on trust for us. The right to use and resell the goods will not apply if:
 - a. we revoke that right (by informing you in writing); or
 - b. you become insolvent.
- 5.2. You must inform us (in writing) immediately if you become insolvent
- 5.3. If your right to use and sell the goods ends you must allow us to remove the goods.
- 5.4. We have your permission to enter any premises where the goods may be stored:
 - 5.4.1. at any time, to inspect them; and
 - 5.4.2. after your right to use and sell them has ended, to remove them, using reasonable force if necessary.

- 5.5. Despite our retention of title to the goods, we have the right to take legal proceedings to recover the price of goods supplied should you not pay us by the due date.
- 5.6. You are not our agent. You have no authority to make any contract on our behalf or in our name.

6. Risk

- 6.1. The goods are at your risk from the time of delivery.
- 6.2. Delivery takes place either:
 - 6.2.1. at our premises (if you are collecting them or arranging carriage and you have been advised that the goods are ready for collection); or
 - 6.2.2. at your premises (if we are arranging carriage).
- 6.3. You must inspect the goods on delivery. If any goods are damaged, or not delivered, you must write to tell us within three working days of delivery or the estimated delivery date. You must give us (and any carrier) a fair chance to inspect the damaged goods.

7. Warranties

- 7.1. We warrant that the goods:
 - 7.1.1. comply with their description on our confirmation of order form; and
 - 7.1.2. are free from material defect at the time of delivery (as long as you comply with clause 6.3).
- 7.2. We give no other warranty (and exclude any warranty, term or condition that would otherwise be implied) as to the quality of the goods or their fitness for any purpose.
- 7.3. If you believe that we have delivered goods, which though undamaged, are defective in materials or workmanship, you must:
 - 7.3.1. inform us (in writing), with full details within one month of delivery, or within six months of delivery if the defect was not apparent on reasonable inspection; and
 - 7.3.2. allow us to investigate.
- 7.4. You must return to us at your expense any damaged or defective goods so that we can examine them. If the goods are agreed by us to be damaged or defective, we will give you credit for your reasonable costs of returning them. Proof of dispatch is not proof of delivery.
- 7.5. If the goods are damaged on delivery, or not delivered, or are found to be defective in material or workmanship (following our investigations), and you have complied with those conditions in clauses 6.3, 7.3 and 7.4 in full, we will (at our option) replace them, or repair them or refund an appropriate part of the price.
- 7.6. We are not liable for any other loss or damage arising from the contract or the supply of goods or their use, even if we are negligent in the following circumstances:
 - 7.6.1. indirect or consequential loss, or
 - 7.6.2. financial loss, or
 - 7.6.3. loss of profits, or
 - 7.6.4. loss of use.
- 7.7. Unless otherwise agreed in writing, we shall have fulfilled our contractual obligation to you, in terms of the quantity to be supplied (if the quantity supplied is within +/- 10% of the quantity of that specified on our acknowledgement of order form. We will charge you for the actual quantities delivered.
- 7.8. Our total liability to you (from one single cause) for damage to property caused by our negligence is limited to five million pounds.
- 7.9. For all other liabilities not referred to elsewhere in these terms our liability is limited in damages to the price of the goods.
- 7.10. We may accept higher limits to our liability to you if requested in writing, subject to our obtaining (at your expense) suitable insurance cover. In the event of a claim you undertake to provide to the insurers any information they request. You may not claim from us a sum greater than the amount (if any) we receive from the insurers.
- 7.11. Nothing in these terms restricts or limits our liability for death or personal injury resulting from negligence, fraud and other causes for which it is unlawful to restrict liability.

8. Specification and licences

- 8.1. If we prepare the goods in accordance with your specifications or instructions:
 - 8.1.1. you must ensure that the specifications or instructions are accurate;
 - 8.1.2. you must ensure that goods prepared in accordance with these specifications or instructions will be fit for the purpose for which you intend to use them; and
 - 8.1.3. you warrant that the specifications or designs will not result in the infringement of any rights belonging to a third party and that you will indemnify us in respect of all loss, damage, costs or expenses (including legal fees on a full indemnity basis) which we may incur in connection with any such claim or threatened claim by third party.
- 8.2. By supplying goods to you we do not waive any intellectual property rights (including any design rights) that we may have in respect of them.
- 8.3. All drawings, designs, specifications and information supplied by us are confidential and must not be disclosed to a third party without our written consent.
- 8.4. We reserve the right to make any changes in the specifications and designs of our goods that are necessary to ensure they conform with any applicable safety or other statutory requirements.
- 8.5. We also reserve the right to make without notice any minor modifications in our specifications, designs or materials as we think necessary or desirable.
- 8.6. You will obtain at your expense any licences or consents required by any agency or authority. You must provide evidence of them to us if we request it. Unless otherwise agreed in writing, your contractual obligations to us do not end because you do not obtain the licences or consents.
- 8.7. All costs incurred by EJOT U.K. Limited in meeting the design, prototype, approval and tooling requirements to meet your specifications and instructions will be recharged to you.

9. Return of goods

- 9.1. Subject to Condition 7.5, we will only accept the return of goods from you:
 - 9.1.1. by prior arrangement (confirmed in writing and signed on our behalf by a director of EJOT U.K. Limited); and
 - 9.1.2. on payment of our handling charge of 15% of the net price of the goods or £25.00, whichever is the higher to cover likely administration costs, (unless the goods were defective when delivered) together with our loss of profit on the contract; and
 - 9.1.3. where the goods are as fit for sale on their return as they were on delivery (unless the goods were defective when delivered).
- 9.2. Subject to Condition 7.5, we will not accept the return of goods which you request that are tailor made specific to your specification or are of a nature which is not offered as standard, or are not held within our stock and are made or delivered to order specifically requested by you. You are liable for the full costs for the full amount for the goods and the cost of their disposal.
- 9.3. Where a refund is accepted in accordance with Condition 9.1, you will receive a full refund of the price you paid for the goods only. We will process any such

refund due to you less the handling charge (as set out in Condition 9.1.2), as soon as possible and, in any case, within 30 calendar days of the day on which we received the returned goods as described in clause 9.4. If you returned the goods to us because they were faulty please see clause 7.5.

- 9.4. You must return the goods to us as soon as reasonably practicable. If the goods require collection, we will collect the goods from the address to which they were delivered. We will contact you to arrange a suitable time for collection. You will be responsible for the cost of returning the goods to us or, where relevant, the cost of us collecting the goods from you.

10. Export terms

- 10.1. Clause 10 of these terms shall apply to exports except where inconsistent with any written agreement between us.
- 10.2. Where the goods are supplied by us to you by way of export from the United Kingdom or from a port outside the United Kingdom, the "Incoterms" of the International Chamber of Commerce which are in force at the time when the contract is made shall apply and the goods shall be supplied exworks unless otherwise agreed.
- 10.3. The Incoterms are treated as amended by these terms (read as a whole) to the extent that they are inconsistent with them.
- 10.4. You are responsible for complying with any legislation or regulations governing the importation of the goods into the country of destination and for the payment of any duties due.
- 10.5. Where the goods are to be sent by us to you by a route including sea transport we shall be under no obligation to give a notice under section 32(3) of the Sale of Goods Act 1979.
- 10.6. If you require the goods to be tested or inspected at our premises before shipment, you are responsible for arranging such testing and inspection. We are not liable for any defect in the goods which would be apparent on inspection unless a claim is made before shipment.
- 10.7. We are not liable for any damage during transit.
- 10.8. Payment of all amounts due to us shall be made as stipulated by us, unless otherwise agreed in writing.
- 10.9. We shall have no liability for death or personal injury arising from the use of the goods where the goods are to be delivered to the territory of another State (within the meaning of s.26 (3) (b) Unfair Contract Terms Act 1977).

11. Cancellation

- 11.1. We may suspend or cancel the order, by written notice if:
 - 11.1.1. you fail to pay us any money when due (under the order or otherwise);
 - 11.1.2. you become insolvent;
 - 11.1.3. you fail to honour your obligations under these terms.
- 11.2. You may not cancel the order unless we agree in writing (and clauses 2.2.2, 2.2.3, 9.1 and 9.2 then apply).
- 11.3. This clause 11 will not apply where clause 9.3 applies.

12. Waiver and variations

- 12.1. Any waiver or variation of these terms is only valid if it is in writing and signed by a director of EJOT U.K. Limited.
- 12.2. All orders that you place with us will be on these terms (or any that we may issue to replace them). By placing an order with us, you are expressly waiving any printed terms you may have or wish to apply.

13. Force majeure

- 13.1. If we are unable to perform our obligations to you (or able to perform them only at unreasonable cost) because of circumstances beyond our control, we may then cancel or suspend any of our obligations to you, without liability.
- 13.2. Examples of those circumstances include acts of God, accident, explosion, fire, transport delays, strikes and other industrial disputes and difficulty in obtaining supplies.

14. General

- 14.1. English law is applicable to any contract made under these terms. The English and Welsh courts have non-exclusive jurisdiction.
- 14.2. If you are more than one person, each of you has joint and several obligations under these terms.
- 14.2.14.3. If any of these terms are unenforceable as drafted:
 - 14.2.1. it will not affect the enforceability of any other of these terms; and
 - 14.2.2. if it would be enforceable if amended to have similar effect, it will be treated as so amended.
- 14.3. We may treat you as insolvent if:
 - 14.3.1. you are unable to pay your debts as they fall due; or
 - 14.3.2. you (or any item of your property) become the subject of:
 - a. any formal insolvency procedure (examples of which include receivership, liquidation, administration, voluntary arrangements (including a moratorium) or bankruptcy);
 - b. any application or proposal for any formal insolvency procedure; or
 - c. any application, procedure or proposal overseas with similar effect or purpose.
- 14.4. All brochures, catalogues and other promotional materials are to be treated as illustrative only. Their contents form no part of any contract between us and you should not rely on them in entering into any contract with us.
- 14.5. Any notice by either of us which is to be served under these terms may be served by leaving it at or by delivering it to (by first class post or by fax) the other's registered office or principal place of business. All such notices must be signed.
- 14.6. No contract will create any right enforceable (by virtue of the Contracts (Rights of Third Parties) Act 1999) by any person not identified as the buyer or seller.
- 14.7. The only statements upon which you may rely in making the contract with us, are those made in writing by someone who is our authorised representative and either:
 - 14.7.1. contained in our estimate (or any covering letter) and not withdrawn before the contract is made; or
 - 14.7.2. which expressly state that you may rely on them when entering into the contract.
- 14.7.3. Nothing in these terms affects or limits our liability for fraudulent misrepresentation.

15. Data Protection- Information Notice

Where EJOT UK Ltd is provided with personal data as defined by data protection legislation ("data"), it is determined that the data has been passed to us with the knowledge of the individual concerned. The data will be processed in accordance with our privacy policy and to carry out credit applications and associated activities. It will be held securely and may be shared with other EJOT Group Companies or responsible third party organisations where necessary, within and outside the European Economic Area.

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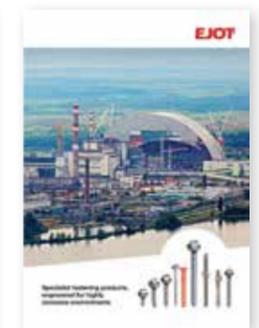
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