



Rear-Ventilated Facades

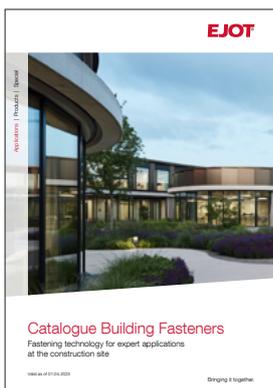
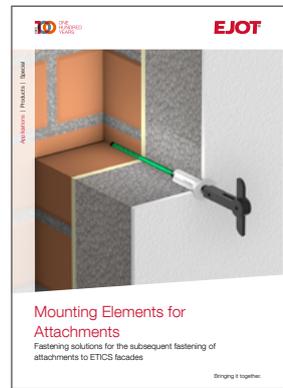
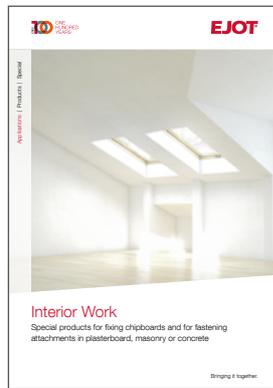
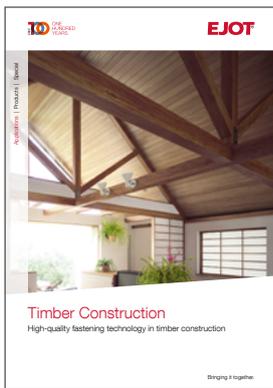
Complete substructure system with wall consoles, anchoring solutions, screws and insulation support anchors

At home in many trades

Overview of our catalogues

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

Besides our comprehensive General Catalogue Building Fasteners, we offer you further catalogues on our business fields in addition to the individual catalogue Rear-Ventilated Facades. Unlike the printed general catalogue, the individual catalogues are available exclusively in digital form.



General Catalogue Building Fasteners 2023/2024

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

You can find a digital overview of our catalogues here:



www.ejot.com/catalogues

Product overview

Fastening elements in the substructure

Self-drilling screws

JT6 (A4 stainless steel + steel)

JT6-2/5-5.0xL VARIO 6

JT9 (A4 stainless steel)

JT9-2/5-5.0xL VARIO 6

JT9-3H/5-5.5xL 8

JT9-4-4.8xL 9

JT9-6-5.5xL 10

JT9-S-2-4.8xL 11

Fastening elements for facade claddings

EJOFAST® self-drilling screws

JF3 (A2 stainless steel + steel)

JF3-LT-2-5.5xL KD12 14

JF3-LT-2-5.5xL KD16 15

Self-drilling screws

JT3 (A2 stainless steel + steel)

JT3-LT-3-5.5xL KD16 16

JT4 (A2 stainless steel)

JT4-FR-2H/6-4.8xL 24

JT4-LT-3-5.5xL KD16 17

JT4-LT-2/6-6.0xL KD16 18

JT4-LT-XT-3H/4-5.5xL KD16 21

JT4-LT-XT-3H/6-5.5xL KD16 22

JT4-XT-3/6-6.0xL 23

Centring grommets

Centring grommet F 19

Centring grommet S 20

XT centring grommet F 22

XT centring grommet S 22

Centring grommet ALUCOBOND® 24

ECORIV® rivets

Blind rivets

AL/E 5.0xL K14 25

Insulation support anchor

Plastics

Washer DH 26

Shaft DH 26

DH-40 (one-part) 26

Set DH 26

Installation point for DH 28

Steel

DMH-8xL-V 29

DMT-80-V 30

Machinery

Cordless screwdrivers

ASCS 6.3 Select 43

Cordless hammer drills

ABH 18 Select 44

Cordless riveting tools

ECORIV ONE 16V / 2.0 Ah 45

Tools

Precision drill bit HSS

S drill bit 46

Hammer drill SDS plus®

4-edge SDS-plus 48

Bits

Hexalobular TX 49

Socket wrench inserts

Hexagon clamping socket 49

Bit holders

BT-1/4"-1/4"xL 50

Fastening tools

LT / STS Tool TX25 50

LT / STS Tool TX20 50

SW8 VARIO Tool 51

Bags/belts

Tool belt 51

Technical abbreviations

Abbreviation	Description	Unit
DC	Drilling capacity	mm

Rear-Ventilated Facades (VHF)

Description

Rear-ventilated facades are characterised by structurally separated insulation and cladding within the system. A substructure which is fixed to the solid substrate with anchors facilitates a distancing assembly of the cladding, so that a rear-ventilated area between insulation and cladding is created which regulates the humidity of the facade.

Application

Cladding of a rear-ventilated facade:

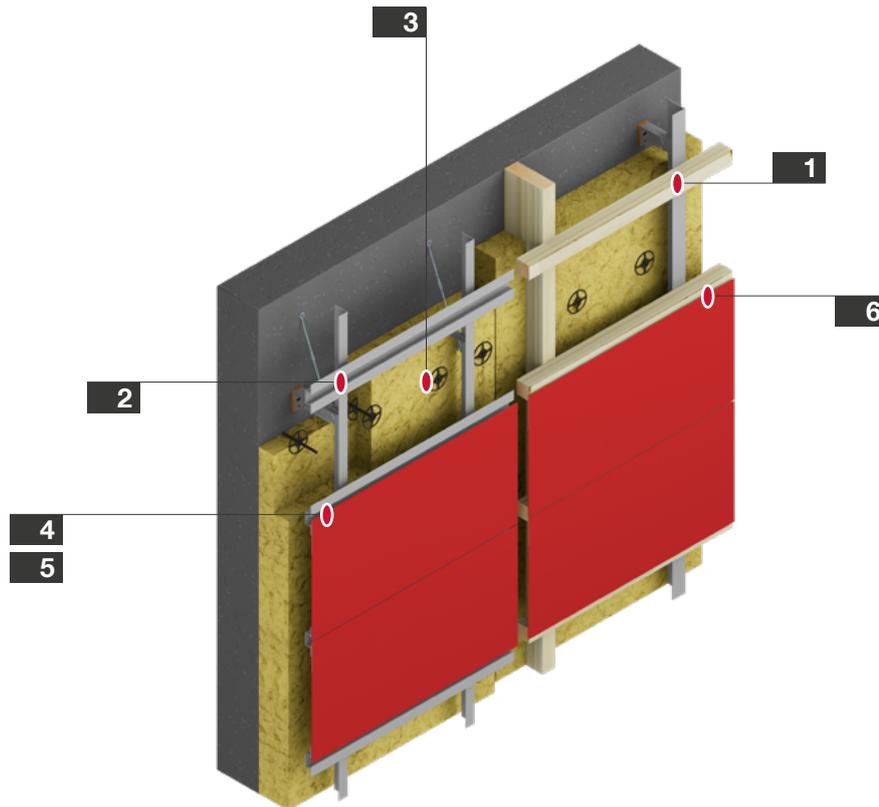
- > Plaster-base sheeting
- > Composite materials
- > Tiles
- > Fibre-bound panels
- > Natural stone
- > Timber
- > Greening
- > Photovoltaics ect.

Benefits

The design possibilities, the multi-functionality and the structural-physical properties are the reasons for the attractiveness of a rear-ventilated facade.

Note

Substructures of rear-ventilated facades consist of various individual elements that need to be securely and effectively anchored with the building as well as connected to each other. A characteristic feature of the rear-ventilated facade is the formation of fixed and sliding points. Their task is amongst others to allow thermally induced elongation of the different materials without forcing tension. EJOT has special solutions for every application.



No.	Application	Product	Page
1	 Fixing timber to aluminium	Self-drilling screw JT9-S-2-4.8xL	11
2	 Fixing wall bracket (stainless steel/aluminium) with support profile (aluminium)	Self-drilling screw JT9-2/5-5.0 VARIO	6
3	 Insulation fixing	Insulation support anchor DH	26

No.	Application	Product	Page
4	 Façade cladding to aluminium substructure 1.0-2.0 mm	EJOFAST® screw JF3-LT-2-5.5 + centring grommet	15
5	 Façade cladding to aluminium-/steel substructure 1.5-2.5 mm	Self-drilling screw JT3-LT-3-5.5x30 + centring grommet	16
6	 Façade cladding to timber substructure	Self-drilling screw JT4-LT-2/6-6.0x50 + centring grommet	18

Self-drilling screw JT6-2/5-5.0 VARIO

Self-drilling screw JT9-2/5-5.0 VARIO



Cross references	page
Socket wrench insert SW8	49
SW8 VARIO Tool	51
Cordless screwdriver ASCS 6.3	43

Application range

- > To form sliding and fixed points on substructures of rear-ventilated facades
- > Fastening pre-drilled stainless steel or aluminium wall brackets with aluminium support profiles

Properties

- > One screw for all part combinations, see chart
- > Buffer zone between the screw head and sliding disk prevents excessive clamp load of the joint.
- > Consistently low contact pressure prevents stick-slip phenomenon
- > No stripping / destruction of the thread in component II resulting in high tensile capacity
- > High tensile and transverse load transmission in component II due to fine pitch thread
- > National technical test certificate (abP) as proof of usability according to DIN 18516-1 (also available as informal English translation)
- > Case hardened drill point of the JT6 version for fastening in steel support profiles (not part of the abP)
- > Wall brackets made of stainless steel and aluminium are part of the abP
- > Buffer zone serves as visual set control
- > Same assembly concept for sliding and fixed points
- > Fastening with socket wrench insert SW8 with optical installation control / SW8 VARIO Tool / screwdriver with depth stop

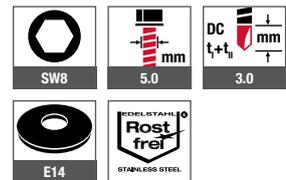
Note

Component assemblies checked with R_m (component II) ≥ 190 , ≥ 215 and ≥ 245 N/mm². For bearing values, please refer to the national test certificate (abP) P-BWU02-178006.

Applications



Technical specifications

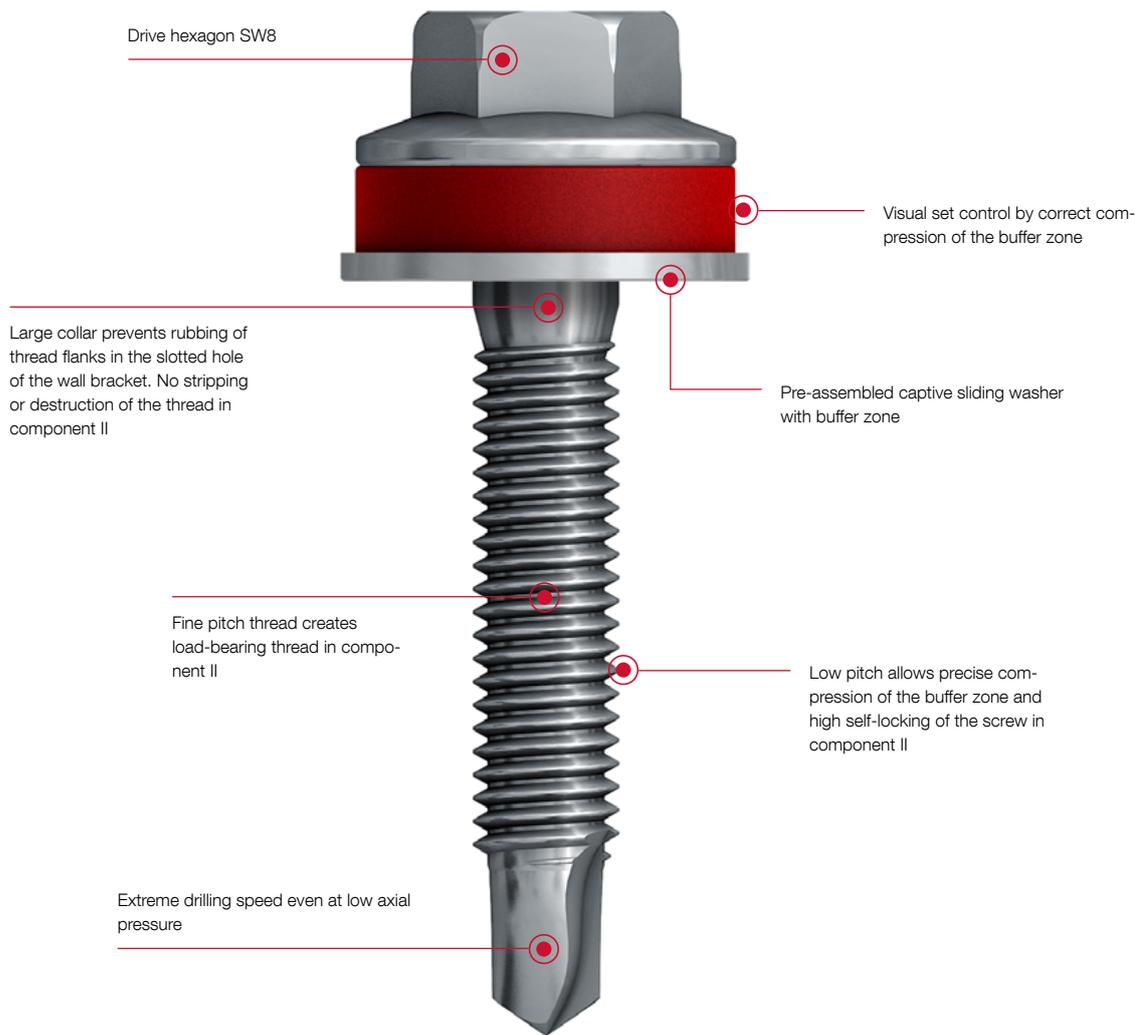


Certifications



Possible part combinations		
Component I [mm]	Component II [mm]	R_m support profile/ Wall bracket
1.5 (stainless steel)	1.5	
	2.0	
	2.5	
	3.0	
2.0 (stainless steel, aluminium)	1.5	
	2.0	≥ 190 N/mm ² (aluminium)
	2.5	≥ 190 N/mm ² (aluminium)
3.0 (stainless steel, aluminium)	3.0	
	1.5	
	2.0	
	2.5	
	3.0	

Possible part combinations		
Component I [mm]	Component II [mm]	R_m support profile/ Wall bracket
4.0 (aluminium)	1.5	
	2.0	
	2.5	
	3.0	≥ 190 N/mm ² (aluminium)
5.0 (aluminium)	1.5	
	2.0	
	2.5	
	3.0	



Product online



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT6 made of A4 stainless steel with hardened steel drill point					
JT6-2/5-5.0x30 Vario	30	500		3598077991	4061245014999
JT6-2/5-5.0x30 Vario VE100	30	100		6598077991	4061245021904

Product online



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT9 made of A4 stainless steel					
JT9-2/5-5.0x25 Vario	25	500		3500777490	4061245020686
JT9-2/5-5.0x25 Vario VE100	25	100		6500777490	4061245021508

Self-drilling screw JT9-3H/5-5.5x19



Cross references	page
Socket wrench insert SW8	49
Cordless screwdriver ASCS 6.3	43

Product online



Application range

- > To form sliding and fixed points on substructures of rear-ventilated facades
- > Fastening pre-drilled stainless steel or aluminium wall brackets with aluminium support profiles
- > For component assemblies from 3.1 – 5.0 mm (component I + component II)

Properties

- > A4 stainless steel

Note

Component assemblies checked with R_m (component II) ≥ 190 , ≥ 215 and ≥ 245 N/mm². For bearing values, please refer to the national test certificate (abP) P-BWU02-1980001.

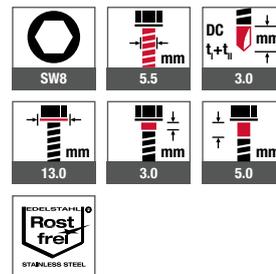
Possible part combinations

Component I [mm]	Component II [mm]	R_m support profile/ Wall bracket
	1.6	
1.5 (stainless steel)	2.0	
	2.4	≥ 190 N/mm ² (aluminium)
3.0 (aluminium)	1.6	
	2.0	

Applications



Technical specifications



Certifications



Order description	Length [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT9-3H/5-5.5x19	19	500		7380540340	4061245014272
JT9-3H/5-5.5x19 VE100	19	100		6380540340	4061245014869

Self-drilling screw JT9-4-4.8



Application range

- > Fastening aluminium profiles to aluminium substructure ≤ 3 mm

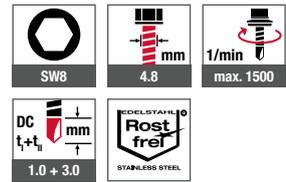
Properties

- > A4 stainless steel

Applications



Technical specifications



Cross references

Cross references	page
Socket wrench insert SW8	49
Cordless screwdriver ASCS 6.3	43

Certifications



Product online



Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT9-4-4.8x19	19	0-9	1000		7380387340	4061245074108

Self-drilling screw JT9-6-5.5



Application range

- > Fastening aluminium profiles to aluminium substructure ≤ 4 mm

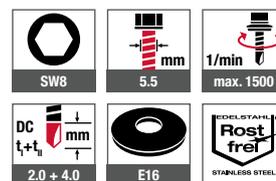
Properties

- > A4 stainless steel

Applications



Technical specifications



Cross references

	page
Socket wrench insert SW8	49
Cordless screwdriver ASCS 6.3	43

Product online



Certifications



Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT9-6-5.5x22	22	0–10	500		7380508341	4061245014333
Sealing washer E16, Ø 16 mm						
JT9-6-5.5x22-E16	22	0–7	500		3502111491	4061245047904

Self-drilling screw JT9-S-2-4.8



Application range

- > Fastening timber laths to aluminium substructure ≤ 2 mm

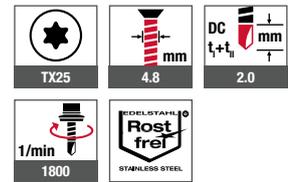
Properties

- > A4 stainless steel
- > Countersunk head with milling ribs

Applications



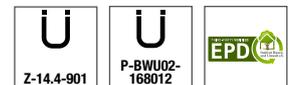
Technical specifications



Cross references

Bit hexalobular TX25	49
Bit holder	50
Cordless screwdriver ASCS 6.3	43

Certifications



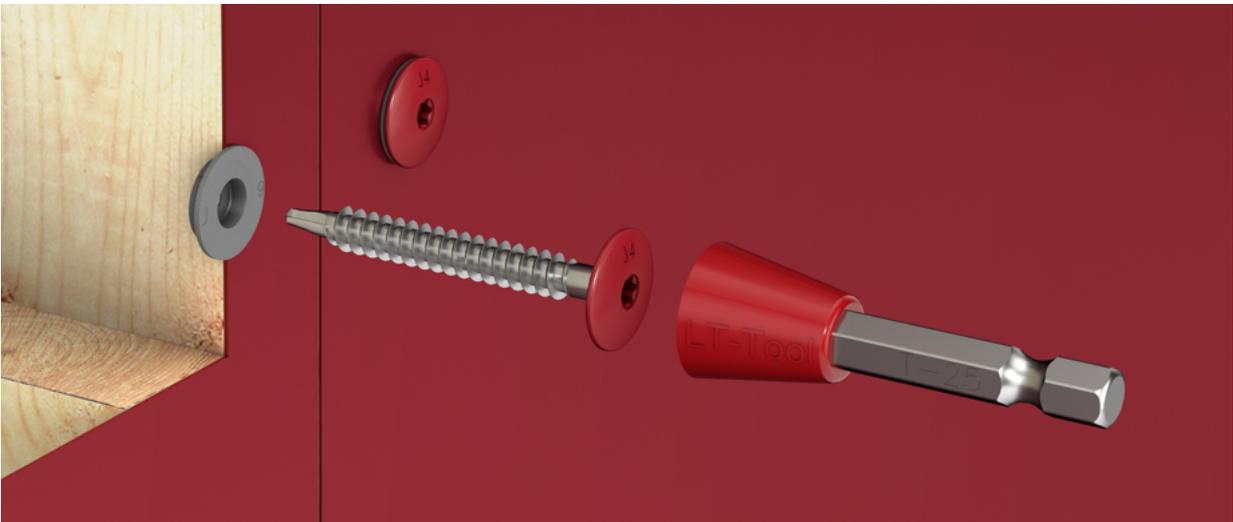
Product online



Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT9-S-2-4.8x38	38	20–30	500		7382219340	4061245081915
JT9-S-2-4.8x48	48	30–40	500		7382220340	4061245081922

The LT system for facades

Forcing tension under control: The LT fastening system with plastic grommets specifically matched to the screws ensures optimum fastening of the facade claddings. The LT screws can be combined with suitable centring bushes - adapted to every application. Completely removable for an unmixed separation of the used materials.



Processing advice: Wobble-free fastening when using the LT/STS Tool

Product finder LT system

	JT4- LT-3-5.5x25 KD16	JF3- LT-2-5.5x30 KD16	JT4- LT-XT-3H/4-5.5x19 KD16	JT4- LT-XT-3H/6-5.5x25 KD16	JT3- LT-3-5.5x30 KD16	JT4- LT-2/6-6x50 KD16
Screw type						
Material	A2 stainless steel	A2 stainless steel with hardened steel point ¹⁾	A2 stainless steel	A2 stainless steel	A2 stainless steel with hardened steel drill point	A2 stainless steel
Application²⁾	all common facade claddings	all common facade claddings	Aluminium panels 2.0 mm	Aluminium composite panels 4.0 mm	all common facade claddings	all common facade claddings
Free spin zone³⁾	–	–	4.0 mm	6.0 mm	–	6.0 mm
For substructures made of	aluminium	steel / aluminium	aluminium	aluminium	steel / aluminium	timber / aluminium
Drilling capacity (t_i pre-drilled) t_{ii}	1.5 - 3.0 mm	0.4 – 1.0 mm / 1.0 – 2.0 mm	1.5 - 3.0 mm	3.0 mm	1.5 - 3.0 mm	1.5 - 2.0 mm
Clamping thickness t_{fix}	1 - 15 mm	1 - 15 mm	4 mm	6 mm	1 - 15 mm	2 - 19 mm
abP / ETA	ETA-10/0200	ETA-10/0200	–	P-S 18 0447	ETA-10/0200	ETA-10/0200
Centring grommets / XT centring grommets	Centring grommets Ø 11/4 Ø 11/6 Ø 11/8	Centring grommets Ø 11/4 Ø 11/6 Ø 11/8	Centring grommets Ø 11/2	XT centring grommets Ø 11/4	Centring grommets Ø 11/4 Ø 11/6 Ø 11/8	Centring grommets Ø 11/2 Ø 11/4 Ø 11/6 Ø 11/8

¹⁾ JF screw requires more axial pressure than JT screw with classic cutting bit in order to penetrate component II. Reduced swarf: During the installation process, significantly fewer swarf is produced compared to conventional self-drilling screws with classic drill point.

²⁾ Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

³⁾ Free spin zone: Screws without free spin zone must be loosened by a quarter turn after connecting surface in order to ensure reliable sliding.



Watch the video now:

www.ejot.de/video/technik/vario-screw-en

EJOFAST® self-drilling screw JF3-LT-2-5.5 KD12



Application range

- > Fastening small metal shingles to 0.4–1.0 mm profiled steel sheet
- > Also suitable for fastening brackets to trapezoidal profiles

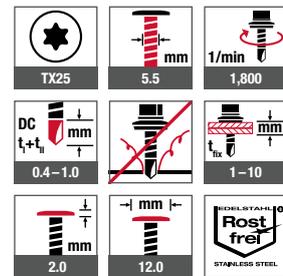
Properties

- > A2 stainless steel with hardened steel point
- > Pan head
- > Reduced swarf fastening

Applications



Technical specifications



Cross references

	page
LT / STS Tool plastic TX25	50
Cordless screwdriver ASCS 6.3	43

Product online



Certifications



Order description	Length [mm]	Clamping thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JF3-LT-2-5.5x25	25	1 – 10	500		7381207301	4061245061627

EJOFAST® self-drilling screw JF3-LT-2-5.5 KD16



Cross references	page
Centring grommet F	19
Centring grommet S	20
LT/STS Tool plastic TX25	50

Application range

- > For reduced swarf fastening of facade claddings to 0.4-1.0 mm steel substructures
- > For reduced swarf fastening of facade cladding 1.0-2.0 mm to aluminum substructures
- > Can be combined with LT fixed and sliding point grommets

Properties

- > A2 stainless steel with hardened steel point
- > Pan head

Benefits

- > To cover slotted holes and large pre-drill diameters
- > Also available as painted version
- > Flat screw head for aesthetic facade design
- > Wobble-free fastening by using the LT Tool
- > Reduced swarf fastening

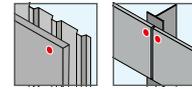
Note

Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer. JF screw requires more axial pressure than JT screw with classic cutting bit in order to penetrate component II.

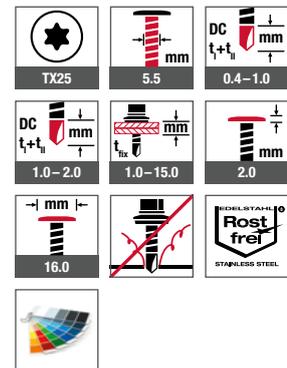
Processing information for sliding points on facade claddings

Stop fastening as soon as the screw head connects to the surface and turn the screw back a quarter turn in order to remove the clamp load from the connection.

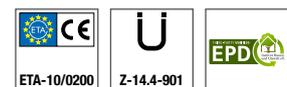
Applications



Technical specifications



Certifications



Product online



Order description	Length [mm]	max. panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JF3-LT-2-5.5x30 KD16	30	13	500		7384212301	4061245014005

Self-drilling screw JT3-LT-3-5.5x30 KD16



Cross references	page
Centring grommet F	19
Centring grommet S	20
LT/STS Tool plastic TX25	50

Application range

- > Fastening facade claddings to 1.5–3.0 mm aluminium and steel substructures
- > Can be combined with LT fixed and sliding point grommets

Properties

- > A2 stainless steel with hardened steel drill point
- > Pan head

Benefits

- > To cover slotted holes and large pre-drill diameters
- > Also available as painted version
- > Flat screw head for aesthetic facade design
- > Wobble-free fastening by using the LT Tool

Note

Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

Processing information for sliding points on facade claddings

Stop fastening as soon as the screw head connects to the surface and turn the screw back a quarter turn in order to remove the clamp load from the connection.

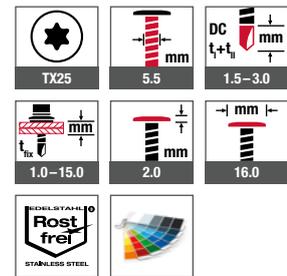
Product online



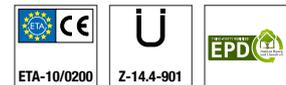
Applications



Technical specifications



Certifications



Order description	Length [mm]	max. panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT3-LT-3-5.5x30 KD16	30	12	500		7384211301	4061245014012

Self-drilling screw JT4-LT-3-5.5x25 KD16



Cross references	page
Centring grommet F	19
Centring grommet S	20
LT/STS Tool plastic TX25	50

Application range

- > For fastening facade cladding to aluminum substructures 1.5–3.0 mm
- > Can be combined with LT fixed and sliding point grommets
- > Fixing Puricelli HPL facade cladding to aluminum substructure

Properties

- > A2 stainless steel
- > Pan head

Benefits

- > To cover slotted holes* and large pre-drill diameters
- > Also available as painted version
- > Flat screw head for aesthetic facade design
- > Wobble-free fastening by using the LT Tool

Note

Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

*Not part of the approval

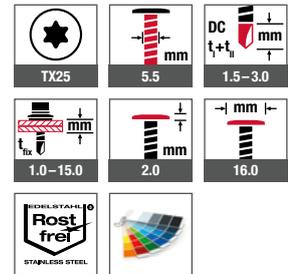
Processing information for sliding points on facade claddings

Stop fastening as soon as the screw head connects to the surface and turn the screw back a quarter turn in order to remove the clamp load from the connection.

Applications



Technical specifications



Certifications



Product online



Order description	Length [mm]	max. panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT4-LT-3-5.5x25 KD16	25	12	500		7384207300	4061245014029

Self-drilling screw JT4-LT-2/6-6.0x50 KD16



Cross references	page
Centring grommet F	19
Centring grommet S	20
LT/STS Tool plastic TX25	50

Application range

- > For fastening facade cladding to wooden substructures
- > Can be combined with LT fixed and sliding point grommets
- > Also suitable for aluminum substructures 0.8–2.0 mm
- > Fixing Puricelli HPL facade cladding to wooden substructure

Properties

- > A2 stainless steel
- > Pan head

Benefits

- > To cover slotted holes and large pre-drill diameters
- > Also available as painted version
- > Flat screw head for aesthetic facade design
- > No pre-drilling of the timber substructure
- > Good drilling behaviour even in areas of branches
- > Wobble-free fastening by using the LT Tool

Note

Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

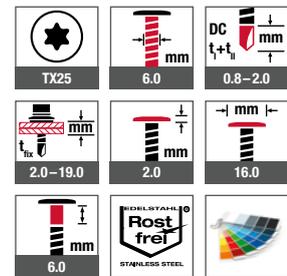
Processing information for sliding points on facade claddings

Stop fastening as soon as the screw head connects to the surface and turn the screw back a quarter turn in order to remove the clamp load from the connection.

Applications



Technical specifications



Certifications



Product online



Order description	Length [mm]	max. panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT4-LT-2/6-6.0x50 KD16	50	10	500		7384206300	4061245014036

Centring grommet F (fixed point)



Application range

- > For fastening facade claddings in combination with LT screws with head diameter 16 mm
- > To form fixed points

Properties

- > Grey coloured plastic
- > For panel thickness 2 / 4 / 6 / 8 mm
- > UV-resistant

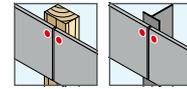
Benefits

- > All holes in the facade cladding are produced with the same diameter (11 mm), which can be done efficiently at the shop floor
- > No rivet installation gauge, no drilling gauge necessary
- > Fast assembly in combination with LT screws
- > Easily revisionable panel fastening
- > The 0.5 collar of the grommet prevents direct contact between screw head and panel surface
- > The hole in the middle serves for the centered positioning of the screw

Note

Usability of grommets and LT screws must be agreed with the respective panel manufacturer. Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

Applications



Cross references	page
JT4-LT-3-5.5x25	17
JT4-LT-2/6-6.0x50	18
JT3-LT-3-5.5x30	16
JF3-LT-2-5.5x30	15

Product online



Order description	Internal hole diameter [mm]	Pre-drilling diameter [mm]	Panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
EJOT centring grommet Ø 11/2 F	5.8	11.0	2.0	500		3010005700	4061245010212
EJOT centring grommet Ø 11/4 F	5.8	11.0	4.0	500		3010009700	4061245018478
EJOT centring grommet Ø 11/6 F	5.8	11.0	6.0	500		3010011700	4061245018454
EJOT centring grommet Ø 11/8 F	5.8	11.0	8.0	500		3010007700	4061245018492

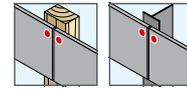
Centring grommet S (sliding point)



Application range

- > Fastening facade claddings in combination with LT screws with head diameter 16 mm
- > To form sliding points

Applications



Properties

- > Black coloured plastic
- > For panel thickness 2 / 4 / 6 / 8 mm
- > UV-resistant

Benefits

- > All holes in the facade cladding are produced with the same diameter (11 mm), which can be done efficiently at the shop floor
- > No rivet installation gauge, no drilling gauge necessary
- > Fast assembly in combination with LT screws
- > Easily revisionable panel fastening
- > The 0.5 collar of the grommet prevents direct contact between screw head and panel surface, thus no scratches on the panel surface even during thousandfold relative displacement
- > The bottom of the grommet which is only 0.3 mm thin is abraded due to relative displacement
- > The hole in the middle serves for the centered positioning of the screw

Note

Usability of grommets and LT screws must be agreed with the respective panel manufacturer. Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

Cross references	page
JT4-LT-3-5.5x25	17
JT4-LT-2/6-6.0x50	18
JT3-LT-3-5.5x30	16
JF3-LT-2-5.5x30	15

Processing information for screws with full thread

Stop fastening as soon as the screw head connects to the surface and turn the screw back a quarter turn in order to remove the clamp load from the connection.

Product online



Order description	Internal hole diameter [mm]	Pre-drilling diameter [mm]	Panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
EJOT centring grommet Ø 11/2 S	8.4	11.0	2.0	500		3010006700	4061245018508
EJOT centring grommet Ø 11/4 S	8.4	11.0	4.0	500		3010010700	4061245018461
EJOT centring grommet Ø 11/6 S	8.4	11.0	6.0	500		3010012700	4061245018447
EJOT centring grommet Ø 11/8 S	8.4	11.0	8.0	500		3010008700	4061245018485

Self-drilling screw JT4-LT-XT-3H/4-5.5x19



Cross references	page
LT-XT Tool TX25	50
Cordless screwdriver ASCS 6.3	43

Application range

- > For fastening facade cladding 2.0 mm to aluminum substructures ≤ 2.0 mm
- > Can be combined with LT fixed and sliding point grommets

Properties

- > A2 stainless steel
- > Pan head

Benefits

- > Also available as painted version
- > Flat screw head for aesthetic facade design
- > Wobble-free fastening by using the LT Tool
- > Easy assembly and reliable sliding thanks to optimised free spin zone
- > Centring grommet collar protects the facade cladding surface from scratches
- > No rivet installation gauge or drilling gauge necessary
- > XT cutting ring under the screw head facilitates easy removal of the protective film during the forming of fixed points without centring grommet. Advantage when using the fixed point grommet: all holes in the panel can be pre-drilled with $\varnothing 11$ mm
- > Non-threaded part under the screw head allows an intentional further rotation of the screw head after connecting surface

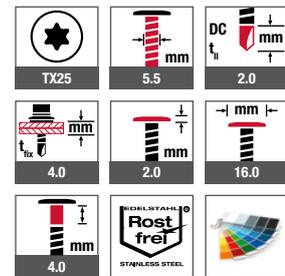
Note

Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

Applications



Technical specifications



Certifications



Product online



Order description	Length [mm]	max. panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Self-drilling screw						
JT4-LT-XT-3H/4-5.5x19 KD16	19	2.0	500		7384219300	4061245044507

Order description	Internal hole diameter [mm]	Pre-drilling diameter [mm]	max. panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Centring grommets							
EJOT centring grommet $\varnothing 11/2$ F	5.8	11.0	2.0–3.0	500		3010013700	4061245044552
EJOT centring grommet $\varnothing 11/2$ S	8.4	11.0	2.0–3.0	500		3010014700	4061245044545

Self-drilling screw JT4-LT-XT-3H/6-5.5x25



Cross references	page
LT-XT Tool TX25	50

Application range

- > For fastening plain aluminium composite panels to aluminium substructures of 2mm
- > Only to be used in combination with XT fixed and sliding point grommets

Properties

- > A2 stainless steel
- > Pan head

Benefits

- > To cover slotted holes and large pre-drill diameters
- > Also available as painted version
- > Flat screw head for aesthetic facade design
- > Easy assembly and reliable sliding thanks to optimised free spin zone
- > Regulated by the building authorities in test certificate P-S 18 0447
- > Easy removal of protective film
- > Centering grommet collar protects the facade cladding surface from scratches
- > No rivet installation gauge or drilling gauge necessary
- > Non-threaded part under the screw head allows an intentional further rotation of the screw head after connecting surface

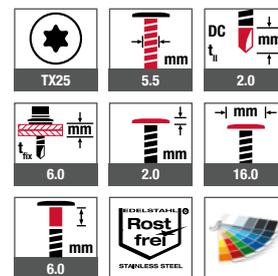
Note

Please note the respective approval of the exterior wall cladding and the assembly instructions of the manufacturer.

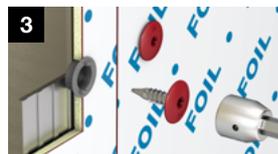
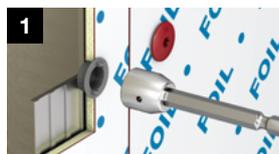
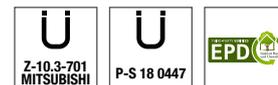
Applications



Technical specifications



Certifications



Installation of the XT system: 1. Insert XT centring grommet into pre-punched facade panel; 2. Rotate XT centring grommet with LT-XT-Tool in order to cut the protective film; 3. Fasten LT-XT screw with LT-XT-Tool in support profile; 4. Remove protective film gently over the fixing point

Product online



Order description	Length [mm]	max. panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Self-drilling screw						
JT4-LT-XT-3H/6-5.5x25 KD16	25	4.0	500		7384216300	4061245073132

Order description	Internal hole diameter [mm]	Pre-drilling diameter [mm]	max. panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Centring grommets							
EJOT XT-centring grommet Ø 11/4 F	5.8	11.0	4.0	500		3010013700	4061245044552
EJOT XT-centring grommet Ø 11/4 S	8.4	11.0	4.0	500		3010014700	4061245044545

Self-drilling screw JT4-XT-3/6-6.0



Cross references

	page
Bit hexalobular TX25	49
Cordless screwdriver ASCS 6.3	43



Watch the video now:

www.ejot.de/video/technik/befestiger-mit-schneidring-de-en

Application range

- > Fastener between the reinforcing profile and an ALUCOBOND® cassette according to Z-10.3-774
- > For fastening to 2.0 mm aluminium substructures

Properties

- > A2 stainless steel

Benefits/Operating principle

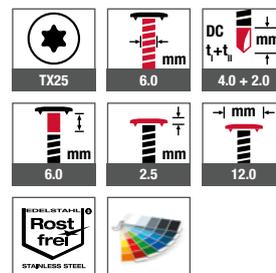
- > Fastener pierces the ALUCOBOND® panel and the aluminium substructure
- > Non-threaded part under the screw head allows an intentional further rotation of the screw head after surface connection
- > Cutting ring under the screw head cuts protective film on the facade cladding
- > Protective film can be removed from the ALUCOBOND® cassette without residue after assembly
- > Also available as painted version



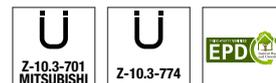
Applications



Technical specifications



Certifications

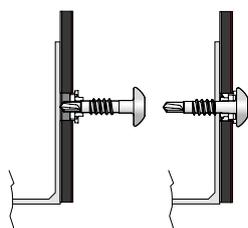


Product online



Order description	Length [mm]	Panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
JT4-XT-3/6-6.0x21	21	4.0	500		7384213300	4061245013992

Self-drilling screw JT4-FR-2H/6-4.8



Cross references page

Bit hexalobular TX25	49
Cordless screwdriver ASCS 6.3	43

Application range

- > Fastener for ALUCOBOND® external wall cladding according to Z-10.3-774
- > For fastening without forcing tension to 2 mm aluminium substructures

Properties

- > A2 stainless steel*
- > With centring grommet to form sliding points

Benefits

- > Centred drilling and simultaneous fastening of the facade cladding to the substructure
- > No pre-drilling of the substructure
- > Non-threaded part under the screw head allows an intentional further rotation of the screw head after surface connection
- > Also available as painted version

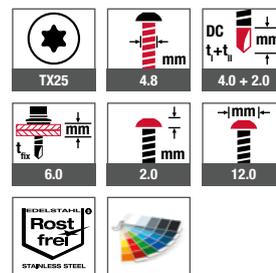
Note

We recommend the tapered special bit hexalobular TX25W-1/4"/Cx25 for force fit in the fastener head. To form fixed points, we recommend pre-drilling a Ø 4.0 mm hole in the panel. The ideal pre-drilling diameter for the centring grommet is 8.5 mm. A smaller diameter may be useful for on-site drilling. We recommend carrying out tests in advance.

Applications



Technical specifications



Certifications



Product online



Order description	Length [mm]	Panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Self-drilling screw						
JT4-FR-2H/6-4.8x22	22	4.0	1000		7384170300	4061245014050

A4 stainless steel available upon request



Self-drilling screw
JT9-FR-2H-4.8

Order description	Pre-drilling diameter [mm]	Panel thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Centring grommet						
EJOT centring grommet Alucobond	8.0–8.5	4.0	500		3010003700	4061245010205

Blind rivet ECORIV® aluminium/stainless steel



Cross references	page
Cordless riveter ECORIV	45
Drill bit HSS	46

Application range

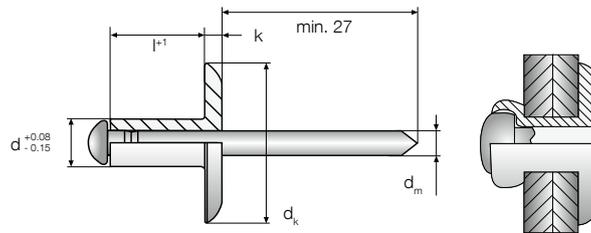
- > For fastening to steel and aluminium substructures
- > To form sliding points on aluminium substructures
- > Fastening of Puricelli HPL facade cladding to aluminium substructures (only blind rivet ECORIV AL/E 5.0x16.0 K16)

Properties

- > Rivet body made of aluminium (Al)
- > Mandrel made of stainless steel (E)
- > Captive locked
- > Large head, open

Note

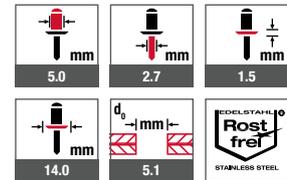
Building authorities-approved rivets according to Z-14.1-4 available upon request.



Applications



Technical specifications



Certifications



Product online



Order description	l+1 [mm]	Clamp thickness [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Blind rivet ECORIV AL/E 5.0x8.0 K14*	8.0	2.0–5.0	500		9332503000	4061245021614
Blind rivet ECORIV AL/E 5.0x10.0 K14*	10.0	4.0–6.5	500		9332504000	4061245021621
Blind rivet ECORIV AL/E 5.0x12.0 K14*	12.0	6.0–8.0	500		9332505000	4061245021638
Blind rivet ECORIV AL/E 5.0x14.0 K14*	14.0	7.5–10.0	500		9332506000	4061245021645
Blind rivet ECORIV AL/E 5.0x16.0 K14*	16.0	9.5–12.0	500		9332508000	4061245021652
Blind rivet ECORIV AL/E 5.0x18.0 K14*	18.0	11.5–13.5	500		9332509000	4061245021669
Blind rivet ECORIV AL/E 5.0x20.0 K14*	20.0	12.0–15.5	500		9332510000	4061245021676
Blind rivet ECORIV AL/E 5.0x25.0 K14*	25.0	15.0–20.5	500		9332511000	4061245021683
Blind rivet ECORIV AL/E 5.0x16.0 K16	16.0	8.0–12.0	500		9338508000	4061245061771

*Not part of the approval

DH insulation support anchor



Cross references	page
Installation point	28
Hammer drill SDS plus	48
Cordless hammer drill ABH18	44
Tool belt	51

Application range

- > For fixing insulating material in the rear-ventilated facade (VHF) to all substrates

Properties

- > Requirement: 5 pcs. per m²
- > Easy installation with no additional expansion element
- > Washer can be positioned individually on the shaft
- > All-purpose for all building materials

Benefits

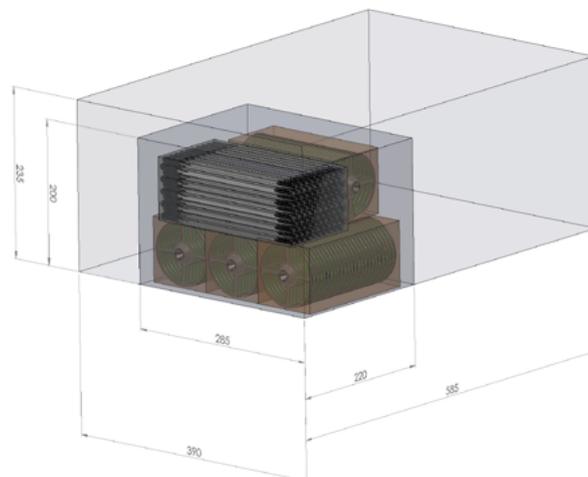
- > Prevents "quilt effect" (indentations in the insulation) due to retrofitting of the washer
- > Prevents gapping of the joints between the individual insulating panels at the joining edges
- > Packing and handling volume is reduced by over 60% compared to one-part insulation support anchors
- > Installation depth limiter guarantees defined installation independent of the substrate
- > Process reliable installation even with thick insulation boards

Note

For the installation of two-ply insulation, additional stress plates are required. The practicability depends on the respective insulation properties and needs to be tested on site. Rotary hole drilling is obligatory in aerated concrete and perforated brick masonry.

Characteristic values

Point thermal transmittance χ	0.0001 W/K
Carrying capacity (pull over washer)	0.2 kN

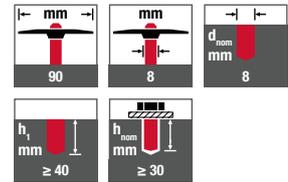


Packing and handling volume is reduced by over 60% compared to one-part insulation support anchors

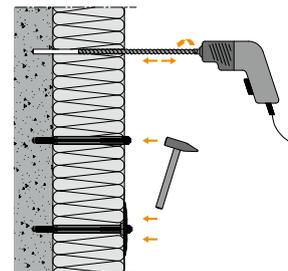
Applications



Technical specifications



Certifications



Wall embedment

Single-ply insulation





Order description	Insulation thickness ≤ [mm]		PU [pieces]	Price/100 [EUR]	Article number	EAN
	Concrete	Masonry				
Washer only						
Washer DH	–		300		8550090999	4061245011592
Shaft only						
Shaft DH 60	60		300		8550060999	4061245011622
Shaft DH 80	80		300		8550080999	4061245011608
Shaft DH 100	100		300		8550100999	4061245011578
Shaft DH 120	120		300		8550120999	4061245011554
Shaft DH 140	140		300		8550140999	4061245011530
Shaft DH 160	160		300		8550160999	4061245011516
Shaft DH 180	180		300		8550180999	4061245011493
Shaft DH 200	200		300		8550200999	4061245011479
Shaft DH 220	220		300		8550220999	4061245011455
Shaft DH 240	240		300		8550240999	4061245011431
Shaft DH 260	260		300		8550260999	4061245011417
Shaft DH 280	280		300		8550280999	4061245011394
Shaft DH 300	300		300		8550300999	4061245011370

Product online



Order description	Insulation thickness ≤ mm		PU [pieces]	Price/100 [EUR]	Article number	EAN
	Concrete	Masonry				
	One-part insulation support anchor					
DH-40 (one-part)	40	20	300		8551906009	4061245011363

Product online



Order description	Insulation thickness ≤ [mm]		PU [pieces]	Price/100 [EUR]	Article number	EAN
	Concrete	Masonry				
Set, comprised of washer and shaft						
Set DH-60	60		300		8550060009	4061245011639
Set DH-80	80		300		8550080009	4061245011615
Set DH-100	100		300		8550100009	4061245011585
Set DH-120	120		300		8550120009	4061245011561
Set DH-140	140		300		8550140009	4061245011547
Set DH-160	160		300		8550160009	4061245011523
Set DH-180	180		300		8550180009	4061245011509
Set DH-200	200		300		8550200009	4061245011486
Set DH-220	220		300		8550220009	4061245011462
Set DH-240	240		300		8550240009	4061245011448
Set DH-260	260		300		8550260009	4061245011424
Set DH-280	280		300		8550280009	4061245011400
Set DH-300	300		300		8550300009	4061245011387

Product online

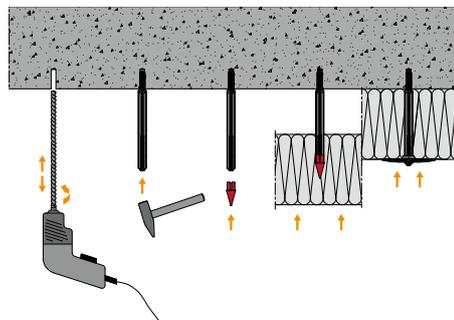


Installation point



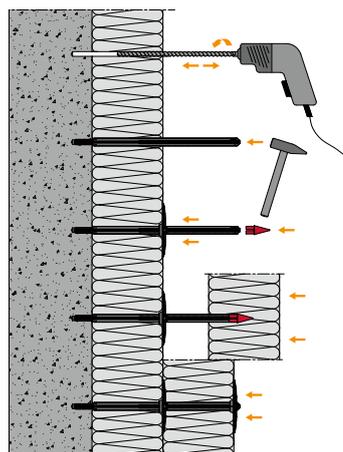
Application range

- > Installation tool for ceiling insulation, lintels and split-mould insulation
- > Attaches to the DH insulation support anchor



Ceiling embedment

Single-ply insulation with installation point



Wall embedment

Two-ply insulation with installation point

Cross references	page
Insulation support anchorDH	26
Tool belt	51

Product online



Order description	PU [pieces]	Price/100 [EUR]	Article number	EAN
Installation point for DH	10		8550000031	4061245011646

DMH metal insulation support anchor



Cross references	page
Metal insulation stress plate	26
Hammer drill SDS plus	48
Cordless hammer drill ABH18	44
Tool belt	51

Application range

- > For fixing hard insulation materials
- > In combination with the EJOT® DMT metal insulation stress plate also for fixing soft insulation materials
- > For fixing insulation materials for high fire protection requirements

Properties

- > Easy installation by driving in, self-expanding
- > Fire performance class A1: non-combustible according to DIN EN 13501-1:2010-01 (test certificate no. PZ 3.1/17-226-1)

Note

The EJOT® insulation support anchors are used to fasten soft and hard insulating material in rear-ventilated facades. The insulation board fastening is carried-out according to DIN 18516-1. Rotary hole drilling is obligatory in aerated concrete and perforated brick masonry. The DMH-V may only be used subject to dry internal conditions (relative humidity < 70%) and in environments that can be assigned to corrosivity category C1 (insignificant) or C2 (low) according to DIN EN ISO 12944-2:1998-07.

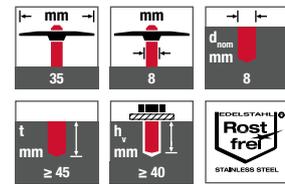
Characteristic values

Axial distance $a \geq$	120 mm
Edge distance $a_e \geq$	60 mm
Minimum component thickness h_{\min}	80 mm
Recommended tensile loads F_{rec}	
Concrete \geq B25	0.20 kN
Solid sand-lime brick	0.20 kN
Solid clay brick	0.20 kN
Vertically perforated brick	0.05 kN
Perforated sand-lime brick	0.05 kN
Recommended transverse loads F_{rec}	
Concrete \geq B25	0.25 kN
Solid sand-lime brick	0.25 kN
Solid clay brick	0.25 kN
Vertically perforated brick	0.10 kN
Perforated sand-lime brick	0.15 kN

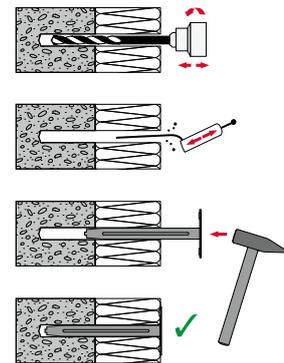
Applications



Technical specifications



Certifications



Product online

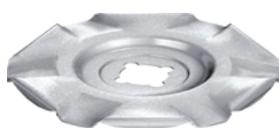


Order description	Length L [mm]	Insulation thickness B ≤ [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
Alu-zinc steel						
DMH-8x80-V	80	40	250		9800030301	4061245061528
DMH-8x110-V	110	70	250		9800030602	4061245061801
DMH-8x140-V	140	100	250		9800030603	4061245061818
DMH-8x170-V	170	130	250		9800030912	4061245061825
DMH-8x200-V	200	160	250		9800031215	4061245061832
DMH-8x250-V	250	210	200		9800031520	4061245061535
DMH-8x300-V	300	260	200		9800031300	4061245061849

A2 stainless steel available upon request



Metal insulation stress plate DMT



Application range

- > For fastening soft insulating materials in combination with the EJOT DMH metal insulation support anchor
- > For fixing soft insulating materials for high fire protection requirements

Applications



Cross references	page
Insulation support anchorDH	26
Tool belt	51

Properties

- > Fire performance class A1: non-combustible according to DIN EN 13501-1:2010-01 (test certificate no. PZ 3.1/17-226-1)

Technical specifications



Product online



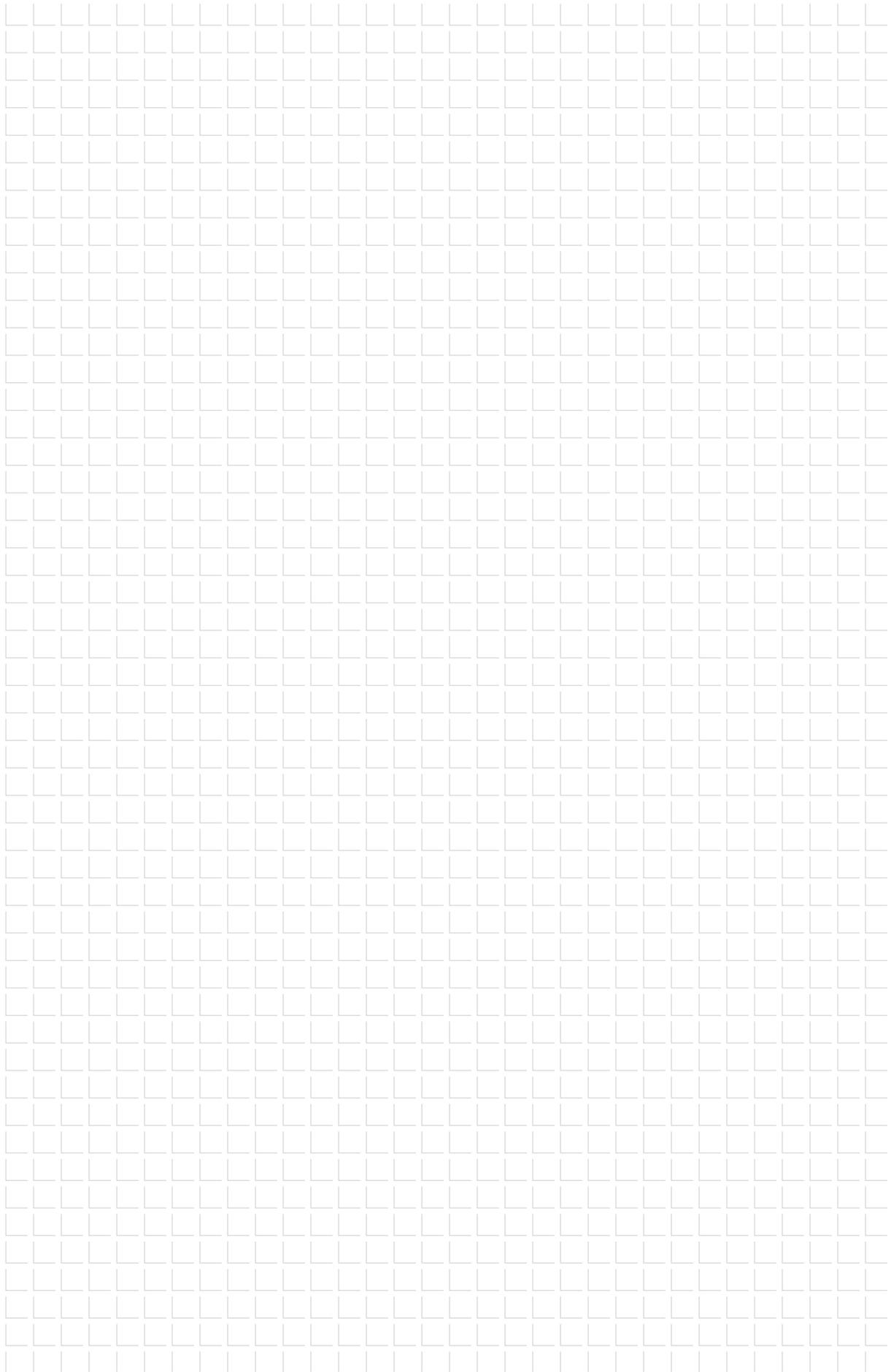
Order description	Diameter [mm]	PU [mm]	Price/100 [pieces]	Article number	EAN
Alu-zinc steel					
DMT-80-V	80	250		9800030156	4061245061870

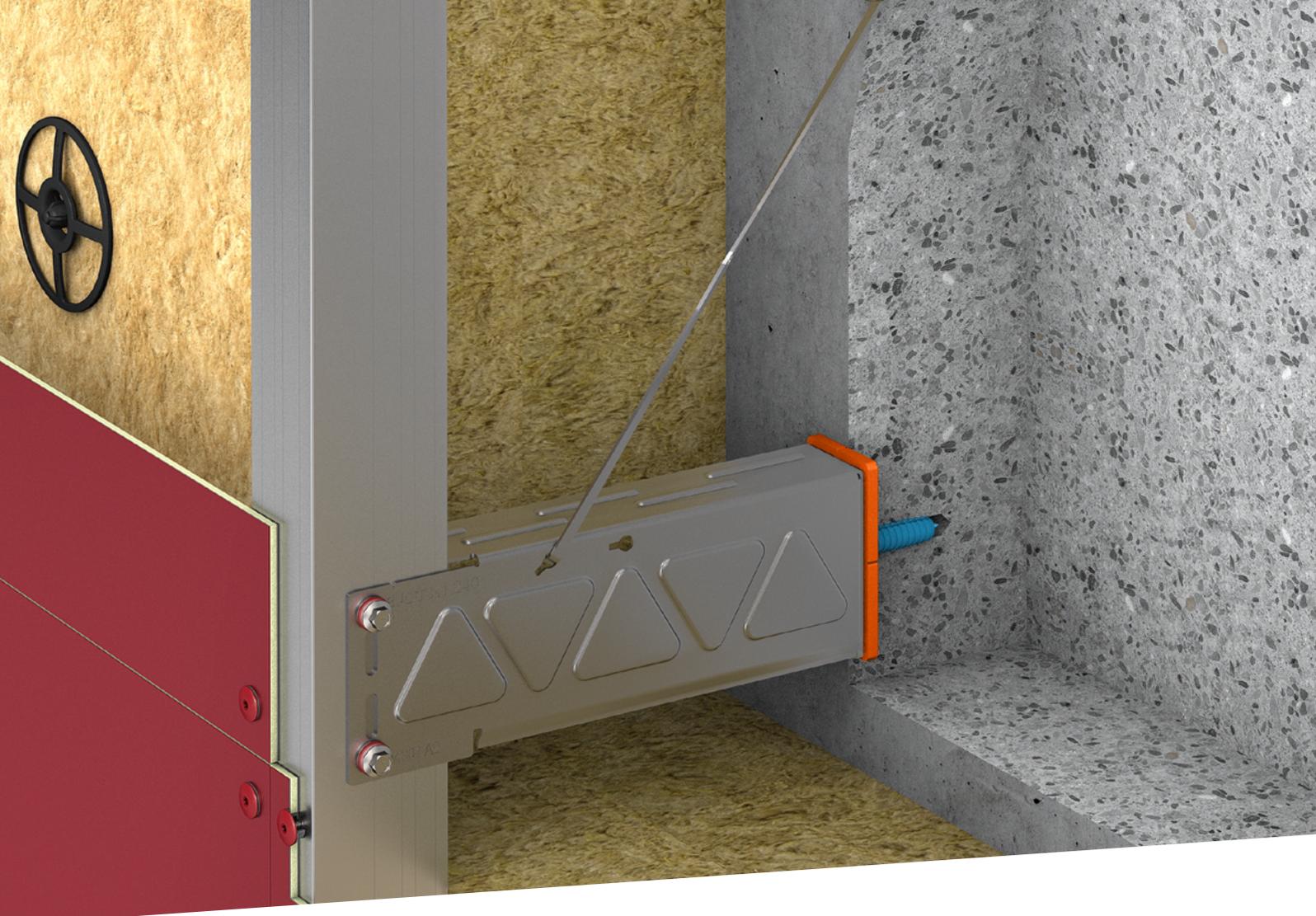
A2 stainless steel available upon request



Certifications







CROSS -| - FIX

The revolution in rear-ventilated facade construction

Sustainable cladding of aesthetic facades

CROSSFIX® is the first stainless steel substructure that can be used for horizontal and vertical support profiles. CROSSFIX® increases your flexibility, facilitates assembly, saves precious time and reduces your storage costs.

The CROSSFIX® console is made of stainless steel and thus significantly reduces the thermal bridge surcharge in the system.

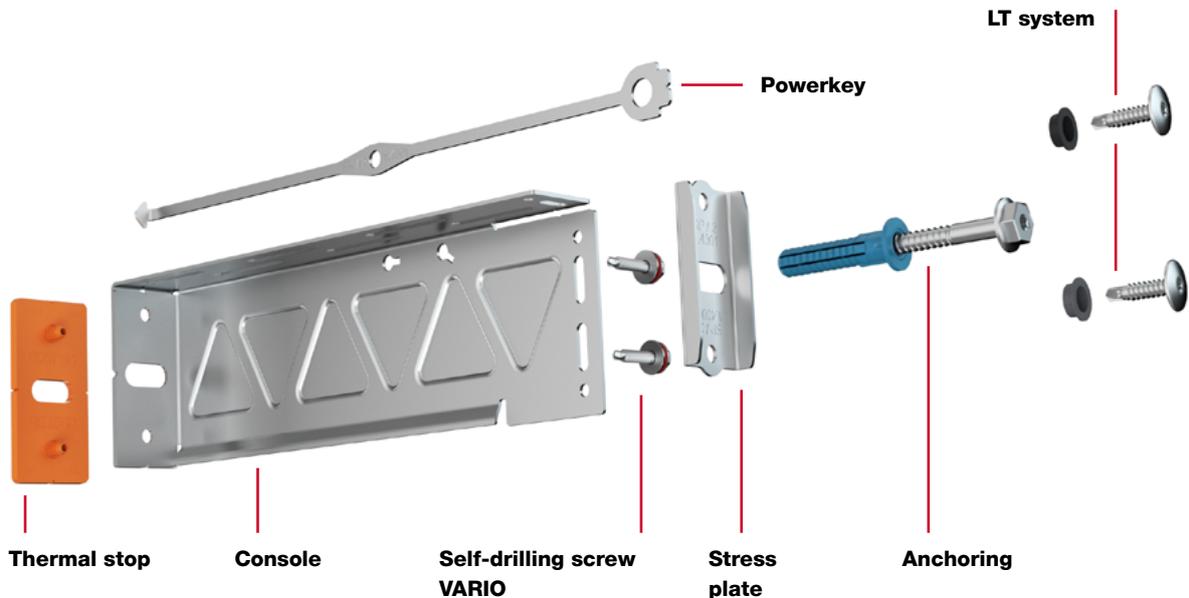
With the CROSSFIX® modular system, EJOT delivers everything from a single supplier. In proven quality.

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CROSSFIX® is a complete system

Everything from a single supplier

EJOT delivers a complete substructure system for all applications including all system components, i.e. the anchoring, connecting and fastening elements. In addition to innovative products, you get technical advice as well as all necessary installation information for your project.



Certified and tested.
Safely.



Our CROSSFIX® experts are glad to advise you.

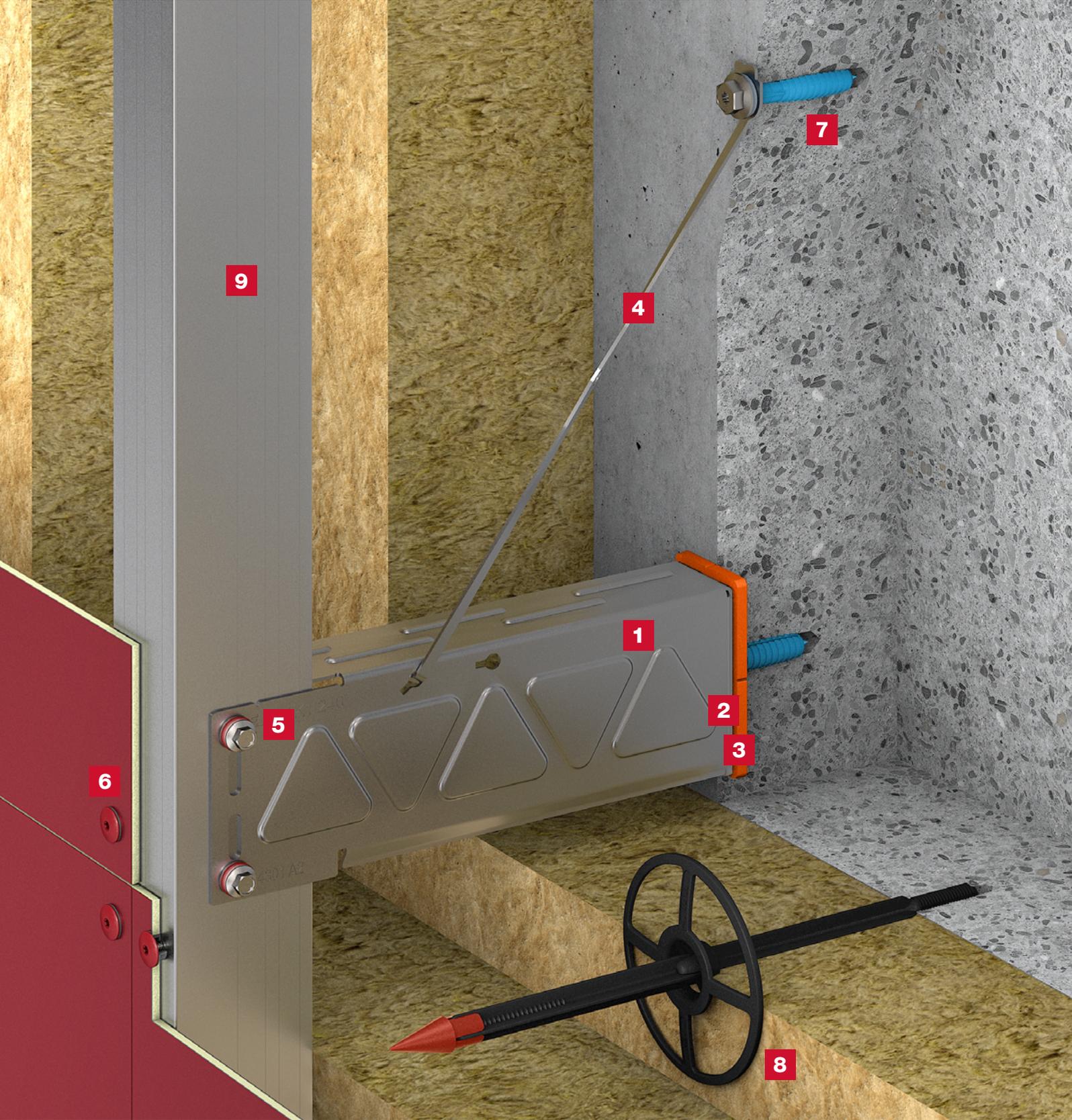
On our website, you will find your personal sales and engineering contact:

www.ejot.com/crossfix



CROSSFIX® is a complete system

The individual components and the appropriate EJOT® accessories



1 Console

Stainless steel (A2/A4). Reach 40-400 mm in 20-mm-steps, larger reach possible. Stress plate and thermal stop captive pre-assembled



2 Stress plate

For a higher load impact or load bearing capacity



3 Thermal stop

For even better U-values



4 Powerkey

For ideal load transmission



5 Self-drilling screw VARIO

Sliding and fixed point screw including sliding washer with buffer zone for connecting consoles and support profiles



6 LT system

Screws and centring grommets for fastening cladding panels to support profiles



7 Anchoring

Facade anchors, metal anchors or chemical anchors for fastening the consoles and support profiles in the load-bearing wall (depending on the structural requirements)



8 Insulation support anchor

For fixing insulating material



9 Support profiles

Support profiles in different versions for cladding panels



CROSSFIX® can be used universally

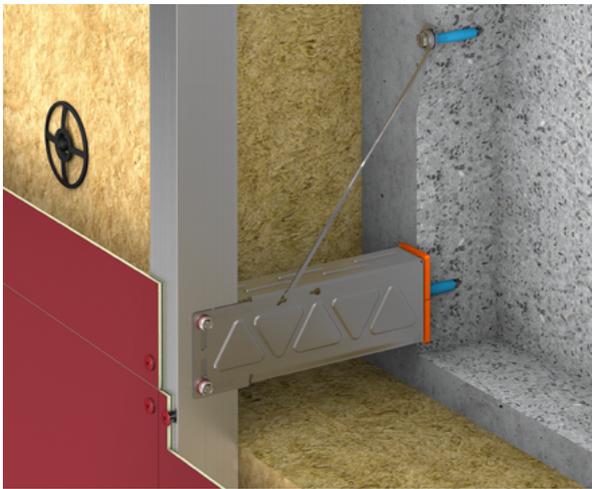
A console for different assembly purposes

With the CROSSFIX® console, EJOT provides a flexible solution that can be used vertically and horizontally, no matter of whether it is a fixed point or sliding point

installation. This eliminates the need to install different consoles for vertical or horizontal use, which was previously the case.

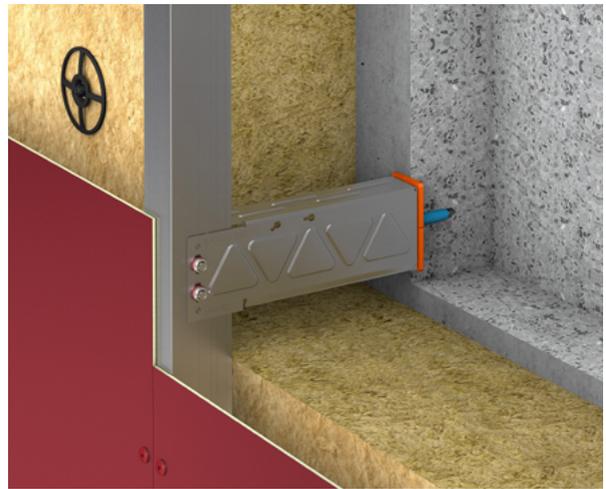
Vertical assembly

Fixed and sliding point design for vertically running support profiles



Vertical fixed point

Fixing through clearance hole, optionally with powerkey for better load transmission



Vertical sliding point

Fastening through slotted hole

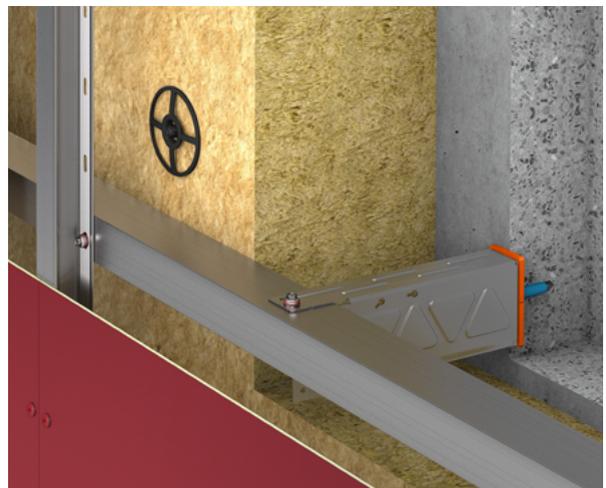
Horizontal assembly (two-layer application)

Fixed and sliding point design for horizontally running support profiles



Horizontal fixed point

Fixing through clearance hole, optionally with powerkey for better load transmission



Horizontal sliding point

Fastening through slotted hole

All advantages at a glance

> **Everything from one source**

EJOT supplies a complete substructure system for all applications and all necessary information for installation.

> **All-purpose**

CROSSFIX® is the console for vertical and horizontal installation and offers maximum flexibility for all applications, "no matter if fixed-point or sliding-point installation"

> **CROSSFIX® is flexible and easy to install**

Thanks to its high flexibility, CROSSFIX® enables quick and easy processing and, at the same time, standard-compliant fastening options on all common surfaces (e.g. concrete, solid and perforated brick, wood and steel substructures).

> **CROSSFIX® has a low carbon footprint**

When manufacturing stainless steel, there is a more moderate amount of energy required and a considerably lower environmental pollution than when producing aluminum.

> **CROSSFIX® has low thermal conductivity**

The CROSSFIX® console is made of A2/A4 stainless steel and thus enables a significant reduction in the thermal bridge surcharge compared to aluminum.

> **Cost-efficient**

"CROSSFIX® enables considerable savings in material costs and storage costs."

> **Fire protection**

The CROSSFIX® console is classified as non-flammable.

> **CROSSFIX® is strong and reliable**

Stainless steel provides higher structural stability than aluminum, which means CROSSFIX® enables higher dead load capacities. In addition, a finite element analysis guarantees an optimised load distribution.

> **CROSSFIX® is resilient to seismic activity**

Seismic tests confirm the dynamic load capacity of the CROSSFIX® console.

> **CROSSFIX® withstands high temperature**

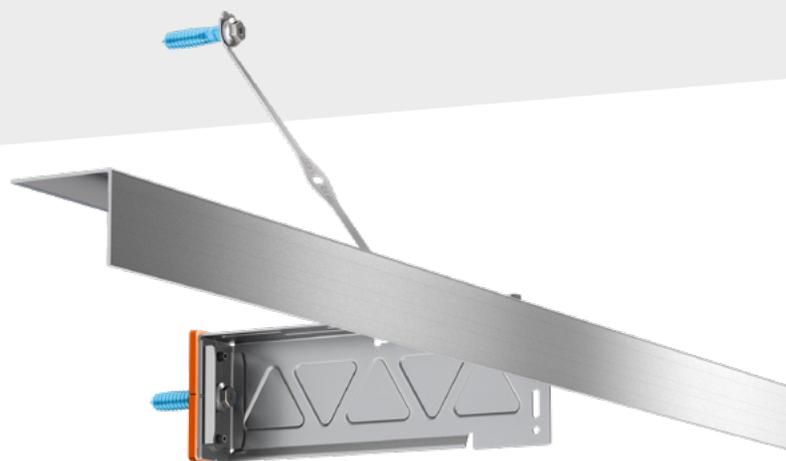
The thermal expansion of aluminum is twice as great as that of steel; the melting temperature of stainless steel is more than twice as high as that of aluminum.

> **CROSSFIX® is an international certified system**

CROSSFIX® is ETA certified. This reduces the planning effort, creates cost security through clearly regulated calculation specifications and ensures more safety in the case of complaints or accidents. The CROSSFIX® console was also certified by the Passive House Institute.



Vertical assembly



Horizontal assembly

CROSSFIX® increases energy efficiency

Improved U-values thanks to stainless steel

In order to reduce thermal bridges in the rear ventilated facade system and thus to achieve higher energy efficiency, materials with the lowest possible thermal conductivity are recommended for facade substructures. While this is only approx. 17 W/(m²K) for stainless steel, it is approx. 160 W/(m²K) for aluminum.

Therefore, the use of stainless steel significantly reduces the transmission of thermal bridges in the CROSSFIX® substrate compared to systems made of solid aluminum. This means that significantly improved U-values can be achieved with the same insulation thickness.

Aluminum and stainless steel in comparison

The isothermal images below illustrate temperature curves between the aluminum consoles and the CROSSFIX® consoles made of stainless steel.

This means that the wall inside can cool down considerably. The temperature difference between the indoor and outdoor area is therefore relatively small.

Lines of the same temperature are called isotherms. If these run almost parallel, there is only a slight disturbance compared to the one-dimensional heat flow (U-value, coefficient of heat transmission). The large thermal bridge, as can be seen in image 1, results in a large heat loss.

With the CROSSFIX® substructure system, compared to aluminum supports, only a minimal thermal bridge forms (image 2) and the wall in the interior cools significantly less. This example clearly shows how the use of a stainless steel substructure significantly increases energy efficiency.



Image 1
Pronounced thermal bridge on aluminum consoles



Image 2
Minimal thermal bridge with CROSSFIX®

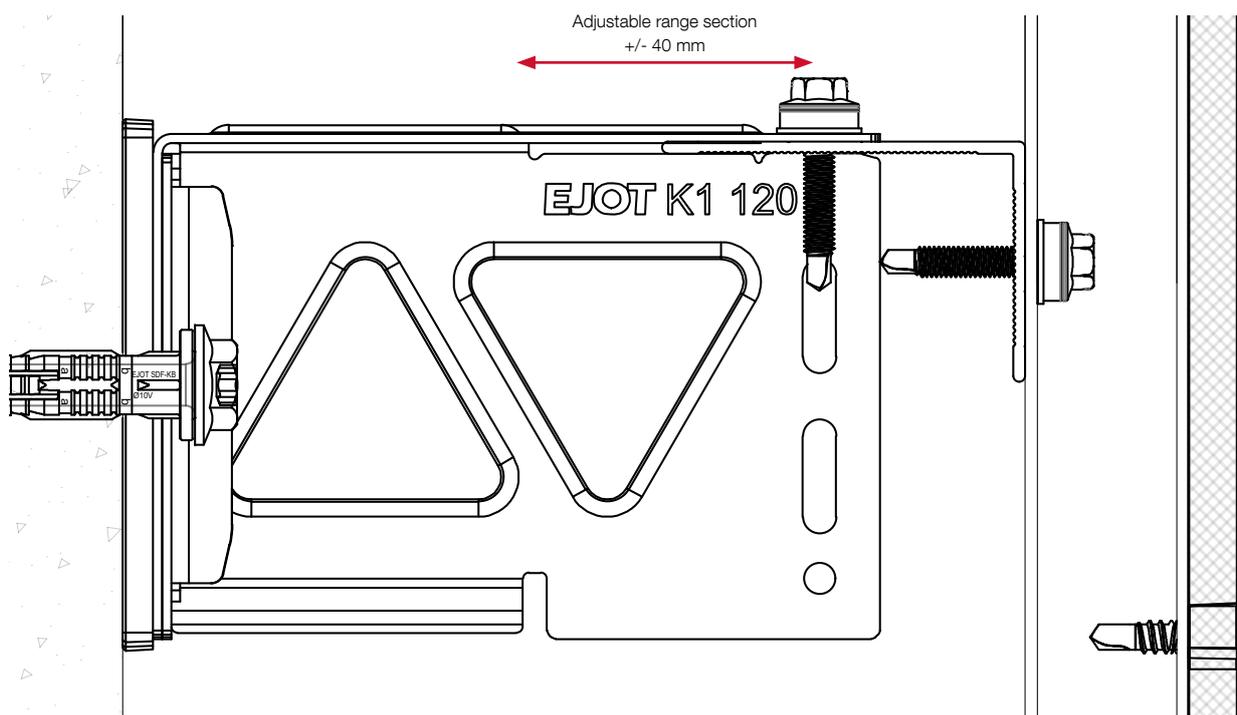
CROSSFIX® system structure

System depth

System depth (average value, all data in mm)				
Thermal stop	Wall bracket CROSSFIX® support	1nd profile position	2nd profile position	
		min/mean/max	(optional)	
		Overhang + material thickness	Overhang + material thickness	Overhang + material thickness
5	80	2/22/42 (adjustable range +/- 40)	27	
	100			
	120			
	140			
	160			
	180			
	200			
	220			
	240			
	260			
	280			
	300			
	320			
	340			
	360			
	380			
400				

Front edge of the static load-bearing substrate

Front edge of the last position of support profile (without hanging or special profile or similar)



Calculation example

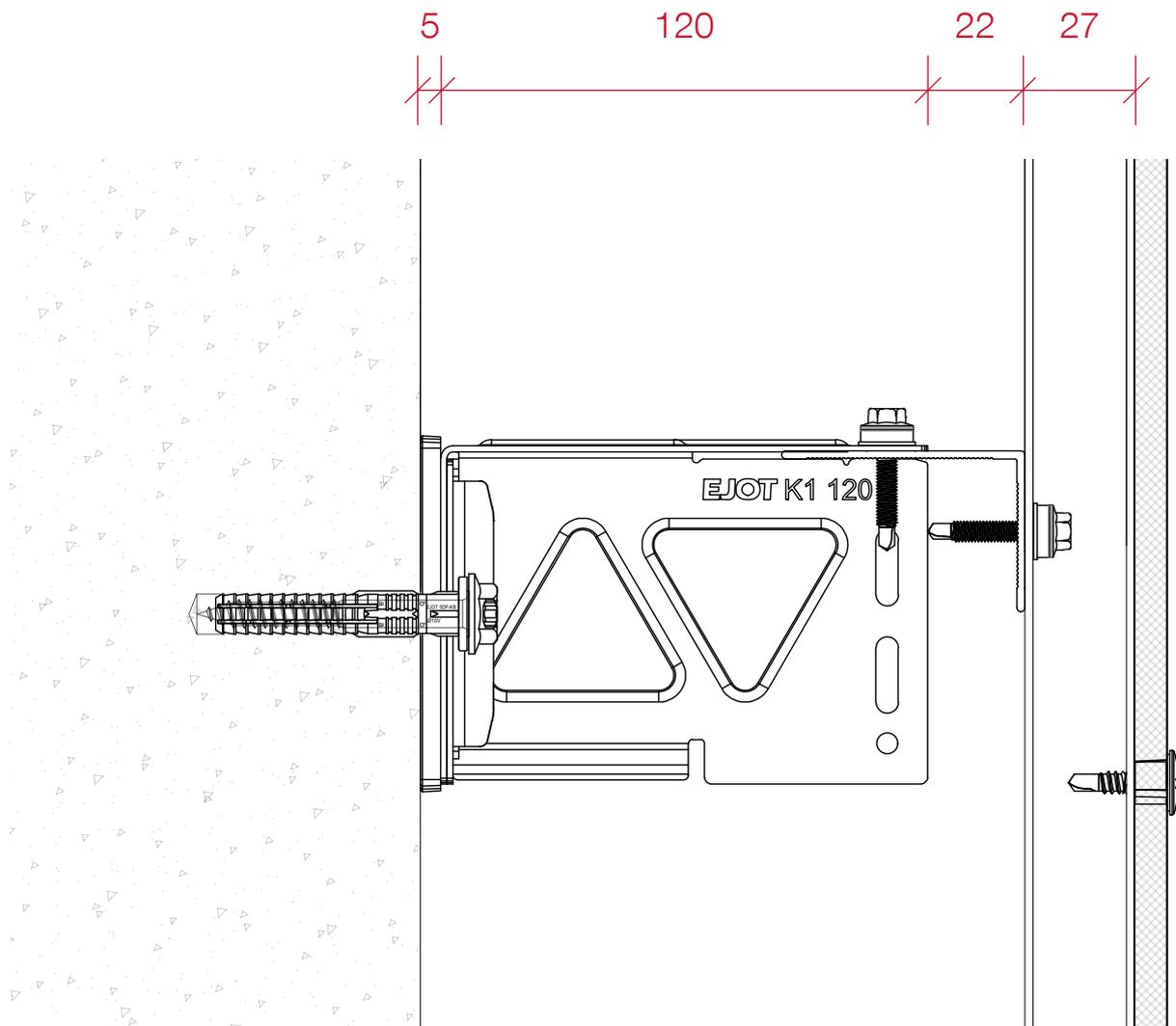
Standard system-depth support K1-120 with two-layer profile structure

General information:

The relevance of the correctly selected system depth results from the definition of the insulation thickness and the requirements for the rear ventilation cross-section.

Furthermore, the choice of the correct system depth has an influence on the assembly of the support profiles.

System components	Depth [mm]
Thermal stop	5
Console K1	120
1st profile position, angle profile, horizontal	22
2nd profile position, Omega profile, vertical	27
System depth total	174



The CROSSFIX® project check list

In order to be able to calculate your project as best as possible, please use the CROSSFIX® project check

list that is available on our website:

www.ejot.com/crossfix



Access the project check list via QR code

Simply scan the QR code, fill in the checklist and return it by e-mail with all project documents.

www.ejot.com/crossfix-project-check-list



Machinery Spare Parts Tools

Cordless screwdriver ASCS 6.3 Select



Included in delivery

- 1 ASCS 6.3
(without battery pack or battery charger)
- 1 plastic tool case
- 1 scaffolding anchor
- 1 depth stop
- 1 socket for hexagon screws SW8

Application range

- > Torque-optimised cordless screwgun for fixing metal with screw diameters of up to 6.3 mm

Properties

- > Path-oriented fastening through depth stop facilitates optimal fit of the sealing washers
- > Electronic torque shut-off for precise results even without depth stop
- > Maintenance-free, brushless motor with a very high degree of efficiency
- > Tested for over 500,000 single fixings
- > Over 1000 recharge cycles per battery pack
- > Extremely low weight
- > Optimum ergonomics with pistol handle for high contact pressure
- > Powerful up to 30 Nm

Technical specifications

Battery voltage	18 V
Load speed	0–1500 rpm
Idle speed	0–1700 rpm
Max. torque (hard/soft)	30/10 Nm
Quick change chuck	1/4"
Screw	Ø 6.3 mm
Battery pack	not included in delivery

3-year FEIN PLUS

Warranty

including battery and charger
(if registered online)

New: Tested for over 1 million
single fixings

Product online



Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Cordless screwdriver ASCS 6.3 Select	1		9150200003	4014586881461
Accessories				
Depth stop sleeve	1		9150508100	4014586251318
Adapter for sealing washers ≤ Ø 16 mm	1		9150508016	4014586251288
Adapter for sealing washers ≤ Ø 22 mm	1		9150508022	4014586251295
Long screw support SH2 incl. socket holder, adapter and socket SW8	1		9150508111	4250483605087
Socket SW8 - 1/4" x 25	1		9150315000	4061245020976
Adapter for sealing washers ≤ Ø 22 mm	1		9151701029	4250483605094
Adapter for FZ sealing washers ≤ Ø 25 mm	1		9151701129	4250483605100

Cordless hammer drill ABH 18 Select



Included in delivery

- 1 ABH 18 Select
(without battery pack or battery charger)
- 1 handle
- 1 depth stop
- 1 plastic tool case

Application range

- > For drilling up to 20 mm in concrete Diameter

Properties

- > Rapid work progress thanks to brushless motor with high impact energy
- > Fatigue-free working thanks to compact design and few vibrations
- > Protection for the user and tool by means of safety clutch and overload protection
- > Combination hammer with three functions: hammer drilling, drilling and chiselling
- > Brushless motor with 30% higher efficiency and long service life
- > 100 holes (10 x 75 mm) possible with one battery charge (6 Ah)
- > Setting of 68 mm socket holes with drill bit in masonry possible
- > The optional drilling dust nozzle means that little dust is produced
- > Low-vibration working at just 12 m/s²
- > FEIN SafetyCell technology. Protects the battery and tool from overload, overheating and total discharge
- > The battery charge can be read off the battery

3-year FEIN PLUS

Warranty

including battery and charger
(if registered online)

Technical specifications

Battery voltage	18 V
Motor	brushless
Idle speed	0–1200 rpm
Impacts	0–4400 rpm
impact energy	2.0 J
Tool holder	SDS-plus
Drill Ø concrete	20 mm
Drill Ø masonry	68 mm
Drill Ø steel	13 mm
Drill Ø timber	22 mm
Weight without battery	2.30 kg
Battery pack	not included in delivery

Product online



Order description

Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Cordless hammer drill ABH 18 Select	1		9150320000	4014586889214

ECORIV® ONE battery riveting tool 16.0V / 2.0 Ah



Included in delivery

1 battery riveter ECORIV ONE
4 retention nosepieces
2 batteries 2.0 Ah
1 rapid charger 220 V
1 installation wrench
1 plastic transport box L-Boxx

Cross references

Rivets 25

Application range

- > For blind rivets made of aluminium, steel, copper and stainless steel up to Ø 5.0 mm
- > For folding blind rivets up to Ø 5.2 mm

Benefits

- > Weight only 1.87 kg
- > Transparent mandrel container
- > Powerful Li-Ion batteries with charge indicator
- > Riveting point illuminated by LEDs
- > Delivery with retention nosepieces for rivets 2.4 mm, 3.0/3.2 mm, 4.0 mm and 4.8/5.0 mm
- > High-quality rapid charger
- > Extended front sleeve optionally available
- > Special nosepieces are optional available

Technical specifications

Working stroke	21 mm
Tensile	10,000 N
Max. pin diameter	3.4 mm
Battery capacity 2.0 Ah (rivets per battery charge depending on type and material)	Up to 2,000 pieces
Charging time of battery 2.0 Ah	< 1 hour
Weight of riveting tool	1.54 kg
Weight of battery 16 V / 2.0 Ah	0.33 kg
Height (without battery)	approx. 24 cm
Length (incl mandrel container)	approx. 28 cm

Product online



Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
EJOT ECORIV ONE 16.0V / 2.0 Ah incl. 2 batteries	1		9150490190	4016111635136
Accessories				
EJOT rapid charger 220 V for ECORIV ONE	1		9150490195	4016111554970
EJOT battery ECORIV ONE 16V / 2.0 Ah	1		9150490105	4016111554956
EJOT retention nosepiece ECORIV ONE 2.4 mm	1		9150490196	4016111605078
EJOT retention nosepiece ECORIV ONE 3.0+3.2 mm	1		9150490197	4016111605085
EJOT retention nosepiece ECORIV ONE 4.0 mm	1		9150490192	4016111605092
EJOT retention nosepiece ECORIV ONE 4.8+5.0 mm	1		9150490193	4016111605108
EJOT nosepiece Bulbtite ECORIV ONE 5.2 mm	1		9150490127	4016111517913
EJOT facade nosepiece ECORIV ONE 5.0 K11	1		9150490132	4016111161734
EJOT facade nosepiece ECORIV ONE 5.0 K14	1		9150490133	4016111161741
EJOT facade nosepiece ECORIV ONE 5.0 K16	1		9150490134	4016111232885

Order information: ECORIV TWO upon request. Standard and special nosepieces upon request.

Precision drill bit HSS

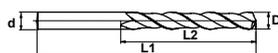


Application range

- > For structural steel

Properties

- > Form S
- > Short spiral groove



Product online



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





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

Hammer drill SDS plus®



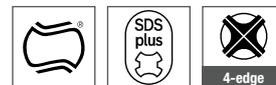
Application range

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

Benefits

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

Technical specifications



Product online



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

Further lengths upon request



Bit hexalobular TX



Application range

- > For fastening of all EJOT fasteners with drive hexalobular TX

Technical specifications



Cross references

Bit holder	page
Bit holder	50

Order description	Drive and Size	Length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: 1/4" hexagon DIN/ISO 1173 - E 6.3						
TX25-1/4"/Cx25	TX25	25	1		9150009000	4061245021072
TX25W-1/4"/Cx25*	TX25W	25	1		9150003000	4061245021102
Drive: 1/4" hexagon DIN/ISO 1173 - E 6.3						
TX25HF-1/4"/Ex50**	TX25	50	1		9506008401	4013288106926
Drive: threaded connection M 6						
TX25-M6x33	TX25	33	1		9250251425	4061245021089
* Special bit: conical design for force fit at screw head of painted screws						
**Bit with holding function for unpainted screws						

Product online



Socket wrench insert



Application range

- > For fastening of all EJOT fasteners with hexagon head

Properties

- > Clamping spring with ball
- > Secure fit of the screw

Technical specifications



Cross references

Cordless screwdriver ASCS 6.3	page
Cordless screwdriver ASCS 6.3	43

Order description	Drive and Size	Length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: 1/4" hexagon DIN/ISO 1173 - E 6.3						
K-SW8-1/4"x50 with ball and flat spiral spring	SW8	50	1		9250705104	4061245020006

Product online



Bit holders



Cross references	page
Bit hexalobular TX	49
Cordless screwdriver ASCS 6.3	43

Application range

- > For holding all bits with drive form C

Technical specifications



Product online



Order description	Length [mm]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: 1/4" hexagon DIN/ISO 1173 - E 6.3					
BT-1/4"-1/4"x57	57	1		9150506031	4050623800019
BT-1/4"-1/4"x250	250	1		9250010120	4061245021126

LT/STS tool plastic

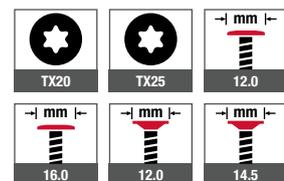


Cross references	page
Cordless screwdriver ASCS 6.3	43

Application range

- > For reliable fastening of LT-screws with 12 and 16 mm head diameter
- > For reliable fastening of STS-screws with 12 mm and 14.5 mm head diameter

Technical specifications



Properties

- > Easy to use
- > Optimum installation in any position
- > Reliable screw guidance

Benefits

- > Fastener does not buckle to the side

Product online



Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: 1/4" hexagon DIN/ISO 1173 - E 6.3				
EJOT LT / STS Tool TX20	1		9152700002	4061245074160
EJOT LT / STS Tool TX25	1		9152700000	4061245020341

SW8 VARIO Tool



Cross references **page**
Cordless screwdriver ASCS 6.3 43

Application range

- > For the reliable fastening of JT6 and JT9-2/5-5.0 VARIO
- > For strip-proof fastening of JF3-5.5 with sealing washer \leq E14

Properties

- > Clamping feature
- > Easy to use
- > Optimum installation in any position
- > Reliable screw guidance

Benefits

- > Fastener does not buckle to the side
- > Long service life and high precision thanks to steel version
- > Constant clamp load in the joint due to fastening until end stop
- > Reduced external diameter of 17.2 mm

Technical specifications



Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Drive: 1/4" hexagon DIN/ISO 1173 - E 6.3				
SW8-VARIO Tool	1		9152900000	4061245020327

Product online



Tool belt



Application range

- > For ergonomic installation of two-part insulation support anchors DH, facade anchors and through bolts

Properties

- > Can take up to 50 insulation support anchors DH



Order description	PU [pieces]	Price/1 [EUR]	Article number	EAN
Tool belt	1		9150000001	4061245020457

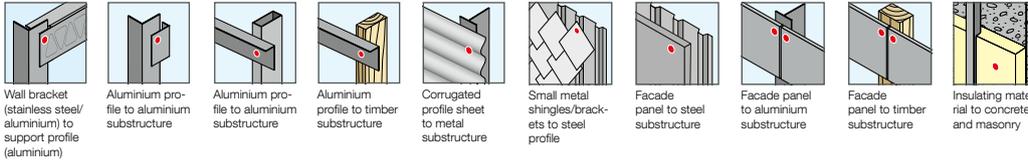
Product online



Product and note charts

Applications

Rear-Ventilated Facades



Technical data | Certifications | Other

Technical specifications

 DC $t_1 + t_2$ 1.0 + 1.0 Drilling capacity $t_1 + t_2$	 DC t_1 1.0 Drilling capacity t_1	 DC t_1 1.0 Drilling capacity t_1	 1/min max. 1,800 Installation rotation speed	 Screw with swarf-reducing point	 t_{cl} 0 - 4 Clamping thickness screw	 16 Diameter Hexagon head	 7.5 Diameter Countersunk head	 12.0 Diameter Countersunk head with flange	 12.0 Diameter Pan head	 12.0 Diameter LT Pan head	 12.0 Diameter LT Pan head with cutting ring
 12.0 Diameter Truss head	 12.0 Diameter Cylinder head	 2.0 Height hexagon head	 13 Height LT pan head	 13 Height LT pan head with cutting ring	 13 Height truss head	 13 Height flat head	 4.8 Screw diameter with Hexagon head	 4.8 Screw diameter with countersunk head	 4.8 Screw diameter with STS countersunk head	 4.8 Screw diameter with pan head	 4.8 Screw diameter with LT pan head
 4.8 Screw diameter with LT pan head with cutting ring	 4.8 Screw diameter with truss head	 4.8 Screw diameter with flat head	 End mill	 Wing drill screw	 13 Flange head diameter	 5 Undercut	 6.3 High thread diameter	 5 Length non-threaded part Hexagon head screw	 13 Length non-threaded part LT-X pan head screw	 13 Length non-threaded part LT-X pan head screw	 9.5 Diameter rivet setting head
 1.5 Height rivet setting head	 2.7 Diameter rivet-tapping mandrel	 4.8 Diameter rivet shaft	 d_h 4.9 Drill hole diameter rivet	 TX white Push-on cap	 XT Centring grommet	 13 Effective shaft length	 8.0 Flat roofing anchor diameter	 50 Flat roof stress plate diameter	 t_{cl} 15 Clamp thickness metal anchor	 M12 Set screw diameter	 M8 Internal thread diameter
 10 Threaded sleeve external diameter	 8.0 Insulation support anchor shaft diameter	 90 Insulation support anchor washer diameter	 8.0 Nylon anchor diameter	 8.0 Metal anchor diameter	 T_{inst} 60 Tightening torque	 SDS plus® Drive SDS plus®	 4-edge Drill with 4-cutting edge geometry	 PGM Masonry Drill Bit Certification Board	 E16 Sealing washer size and material	 H2 Drive cross recess H	 H2 Drive external cross recess H
 Z2 Drive cross recess Z	 Z2 Drive external cross recess Z	 5 Drive internal square	 5 Drive external square	 Triangular Drive external triangular	 SW8 Drive external hexagon	 SW8 Drive internal hexagon	 SW13/TX40 Drive external hexagon/hex-alobular	 TX25 Drive hexalobular	 TX25 Drive external hexalobular	 d_{nom} 10 Nominal drill diameter	 d_h 10 Drill hole diameter
 h_1 10 Drill hole depth	 t 10 Drill hole depth	 h_{nom} ≥ 70 Nominal embedment depth	 h_{ef} ≥ 50 Effective anchorage depth	 h_v ≥ 70 Embedment depth	 d_t 10 Through hole component I	 Slip resistance due to telescopic system	 Slip resistance through support	 ETB Checked fastening element acc. to ETB guideline	 RC2 Resistance class of burglar-resistant components	 Waterproof	 Protect from moisture
 ROSTFREI STAINLESS STEEL Stainless steel material	 Suitable for high-strength substructures	 Also available as painted version	 Werte ermittelt durch das Passivhaus Institut Values determined by the Passivhaus Institute	 A1 Fire performance class according to European standard and DIN	 F120 Fire rating according to DIN 4102-2	 F-resistant Fire resistant	 C2 Suitability according to seismic performance category	 C 1000 Coating C 1000	 CLIMADUR Coating CLIMADUR	 EJO GUARD Coating EJO GUARD	 EJO GUARD+ EJO GUARD+ coating

Certifications



ETA-10/0200
European
Technical
Assessment



Z-14.4-426
National technical approval
abZ



Z-21.2-2122
General construction
technique
permit aBG



P-BWU02-
168012
National test
certificate abP



FM Approval
product
certification by
FM Global



Environmental
Product Decla-
ration EPD



ift
Test report no.
509 201077/1+2
ift Rosenheim
test report



Emission cate-
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International
Code Council
Evaluation
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