



Concrete and masonry anchors

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Rock concrete screws

For fastening to concrete without plugs



What can they be used for?

- Anchoring in concrete (C20/25 to C50/60 normal concrete)

Properties

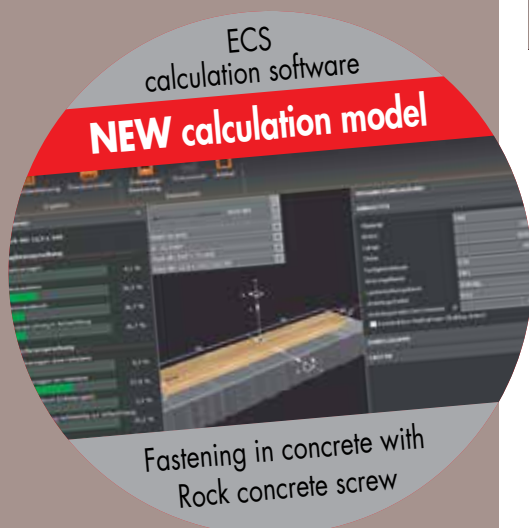
- As it is screwed in, the thread cuts a mating thread into the subsurface
- High-strength screw steel
- Extremely complex annealing process
- Special thread

Advantages

- Installation without plugs
- High extraction-resistance values
- No expansion effect, so smaller edge and centre distances are possible
- Broad range of applications thanks to a variety of screw heads and diameters
- An economical fastener
 - Time savings during installation
 - Cost savings in materials
- Time-saving and straightforward installation
 - Setting and installation process performed in a single step

Notes

- Drill hole produced only by hammer drilling
- Setting parameters must be adhered to strictly
- Application only in C20/25 to C50/60 normal concrete



Hexagonal,
galvanised steel



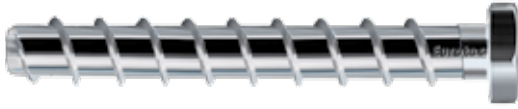
Countersunk head,
galvanised steel



Hexagonal with flange,
galvanised steel

Rock concrete screw

Hexagonal, galvanised steel



Art. no.	Dimensions [mm]	Drive	PU
110338*	7,5 x 40	SW13	100
110339*	7,5 x 50	SW13	100
110340	7,5 x 60	SW13	100
110341	7,5 x 80	SW13	100
110342*	10,5 x 60	SW15	100
110343	10,5 x 80	SW15	100
110344	10,5 x 100	SW15	100
110345	10,5 x 120	SW15	100
110346	10,5 x 140	SW15	100
110347	10,5 x 160	SW15	100
110336*	12,5 x 60	SW17	100
110337	12,5 x 80	SW17	100
110327	12,5 x 100	SW17	100
110328	12,5 x 120	SW17	100
110329	12,5 x 140	SW17	100
110330	12,5 x 160	SW17	50
110331	12,5 x 180	SW17	50
110332	12,5 x 200	SW17	50
110333	12,5 x 240	SW17	50
110334	12,5 x 280	SW17	50
110335	12,5 x 320	SW17	50

* Screws not regulated by ETA-15/0886

Rock concrete screw

Countersunk head, galvanised steel



Art. no.	Dimensions [mm]	Drive	PU
110348*	7,5 x 40	TX40 ●	100
110349	7,5 x 60	TX40 ●	100
110350	7,5 x 80	TX40 ●	100
110351	7,5 x 100	TX40 ●	100
110352	7,5 x 120	TX40 ●	100
110353	7,5 x 140	TX40 ●	100
110354	7,5 x 160	TX40 ●	100

* Screws not regulated by ETA-15/0886

Rock concrete screw

Hexagonal with flange, galvanised steel



Art. no.	Dimensions [mm]	Head	PU
110227*	7,5 x 40	SW13	100
110228*	7,5 x 50	SW13	100
110229	7,5 x 60	SW13	100
110230	7,5 x 80	SW13	100
110231	7,5 x 100	SW13	100
110232*	10,5 x 50	SW15	100
110233*	10,5 x 60	SW15	100
110234	10,5 x 80	SW15	100
110235	10,5 x 100	SW15	100
110236	10,5 x 120	SW15	100
110237	10,5 x 140	SW15	100
110238	10,5 x 160	SW15	100

* Screws not regulated by ETA-15/0886

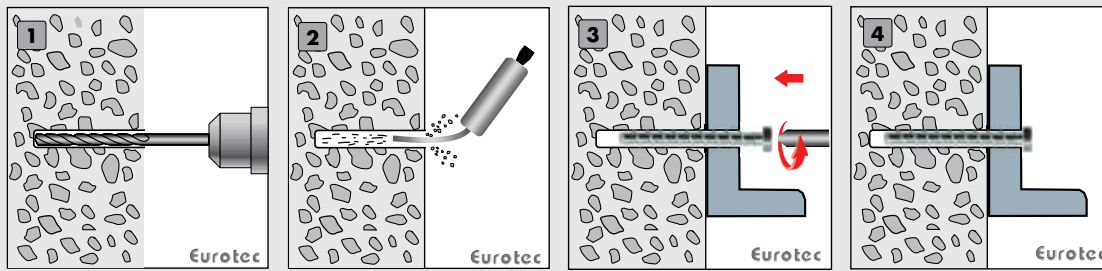
Rock concrete screw

Hexagonal with flange, special coated

NEW
to our product range

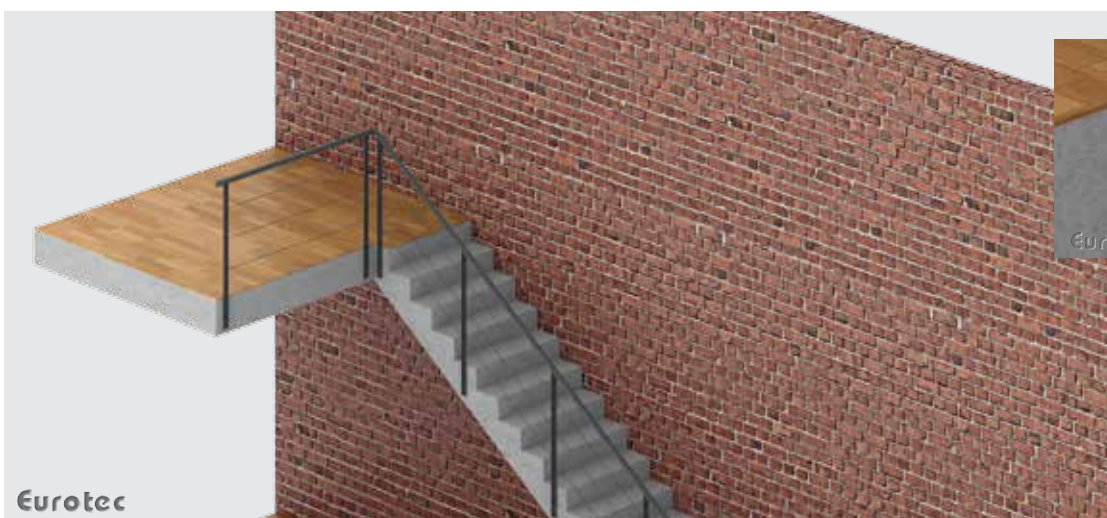
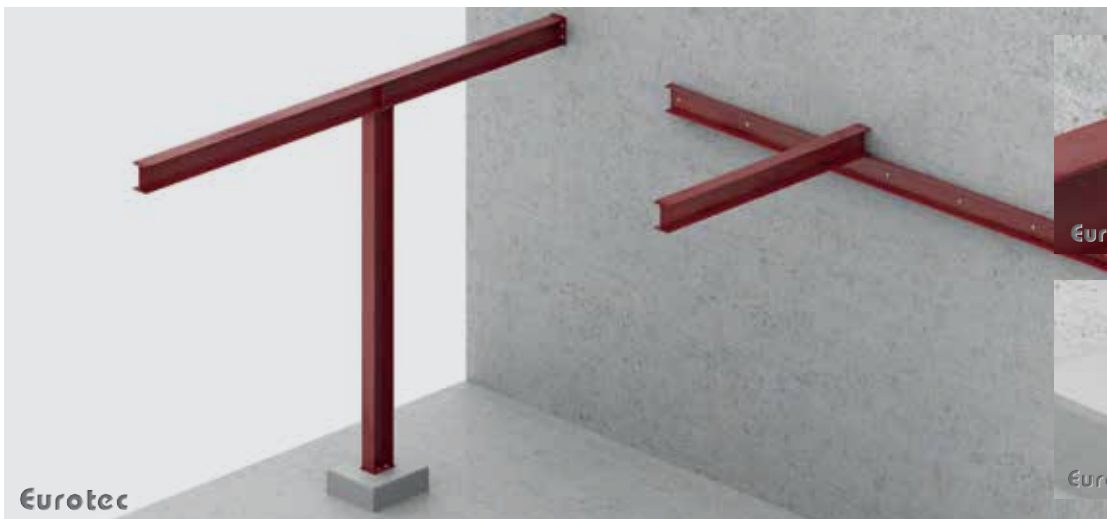


Art. no.	Dimensions [mm]	Head	PU
110253	16,5 x 115	SW18	25
110254	16,5 x 135	SW18	25
110255	16,5 x 160	SW18	25

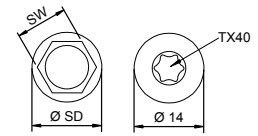
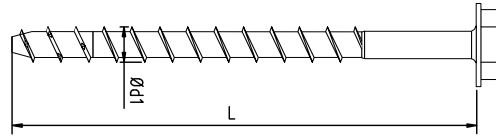
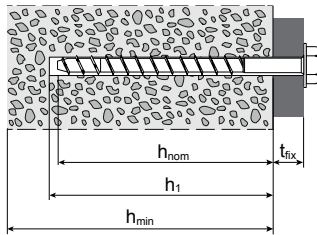


Application

- 1** Create drill hole (hammer drill)
- 2** Clean drill hole
- 3** Mount attachment
- 4** Done!



Technical information Rock concrete screw



Dimension Ø x Length Ød1 x L [mm]	Ø Head WAF/dk [mm]	Ø Flange SD [mm]	Minimum part thickness h _{min} [mm]	Attachment thickness t _{fix} [mm]	Screwing depth h _{nom} [mm]	Characteristic values of load-bearing capacity for tensile or shear loading ^{a)}				Drill diameter (Concrete) d ₀ [mm]	Depth of drill hole h ₁ [mm]	Diameter of drill hole (attachment) d _f [mm]	min. Edge/ centre distance S _{min} /C _{min} [mm]
						Tensile load-bearing capacity (non-cracked concrete, C20/25) N _{Rk,p} [kN]	Tensile load-bearing capacity (cracked concrete, C20/25) N _{Rk,p} [kN]	Shear load-bearing capacity (Steel) V _{Rk,s} ^{b)} [kN]	Bending moment (Steel) M _{Rk,s} ^{b)} [Nm]				
Rock, hexagonal with flange													
7,5 x 60	SW13	16,5	100	5	55	6,0	3,0	11,0	19,0	6	70	9	40
7,5 x 80				25									
10,5 x 80	SW15	17,5	160	5	75	6,0	3,0	22,0	51,0	9	90	12	55
10,5 x 100				25									
10,5 x 120				45									
10,5 x 140				65									
10,5 x 160	SW18	30,5	175	85	110	40,0	30,0	57,9	235,9	14	130	18	100
16,5 x 115				5									
16,5 x 135				25									
16,5 x 160				50									
Rock, hexagonal													
7,5 x 60	SW13	n/a	100	5	55	6,0	3,0	11,0	19,0	6	70	9	40
7,5 x 80				25									
10,5 x 80	SW15	n/a	160	5	75	6,0	3,0	22,0	51,0	9	90	12	55
10,5 x 100				25									
10,5 x 120				45									
10,5 x 140				65									
10,5 x 160	SW18	n/a	175	85	110	40,0	30,0	57,9	235,9	14	130	18	100
16,5 x 115				5									
16,5 x 135				25									
16,5 x 160				50									
Rock, countersunk head													
7,5 x 60	14,0	n/a	100	5	55	6,0	3,0	11,0	19,0	6	70	9	40
7,5 x 80				25									
7,5 x 100				45									
7,5 x 120				65									
7,5 x 140				85									
7,5 x 160				105									

Setting tool: Electrical tangential impact wrench, max. power rating T_{max} according to manufacturer's data, recommended T_{max}: 250 Nm for Rock 7,5 x L; 450 Nm for Rock 10,5 x L and 12,5 x L and 16,5 L.

Note: A higher max. torque of the setting tool can lead to destruction of the drilling hole or damage to the screw.

Assembly with torque wrench: Recommended installation torque T_{inst}: 20 Nm for Rock 7,5 x L; 40 Nm for Rock 10,5 x L and 60 Nm for Rock 12,5 x L and 120 Nm for 16,5 x L.

a) The calculation for a joint is to be performed according to ETAG-001 Annex C. b) Partial safety factors: γ_{Mk,V}=1,5; γ_{Mk,M}=1,5.

Please note: These are planning aids. Projects must only be calculated by authorised persons.

by phone 02331 6245-444 · by fax 02331 6245-200 · by e-mail technik@eurotec.team

Please contact our technical department or use the free [calculation services](#) in the service section of our website.

Contact

Trader:	_____	Contractor:	_____
Contact Person:	_____	Contact Person:	_____
e-mail:	_____	Phone:	_____
Project:	_____	e-mail:	_____

Project details

Concrete

Strength category: _____
(if known; min. C20/25)

Construction component: _____
(e.g. strip footing, floor slab, wall, ceiling, etc.)

Component thickness h: _____ mm

Attachment

☐ Steel ☐ Wood

_____ strength class of wooden attachment

Attachment thickness: _____ mm

Diameter of through hole: _____ mm

Loads (rated values) _____ mm

Normal force along X axis: N_d : _____ kN

Shear force along Y axis: $V_{y,d}$: _____ kN

Shear force along Z axis: $V_{z,d}$: _____ kN

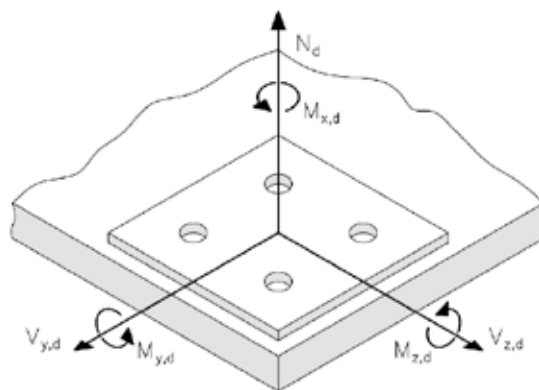
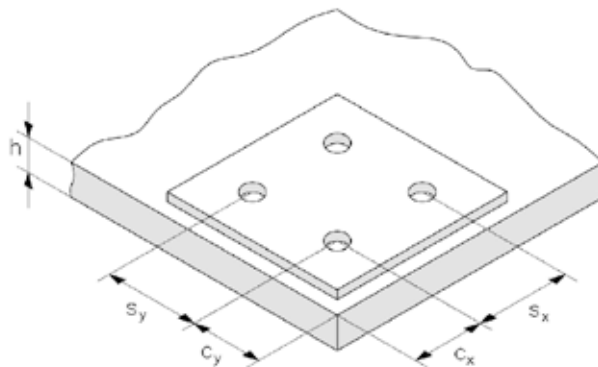
Moment around X axis: $M_{x,d}$: _____ kNm

Moment around Y axis: $M_{y,d}$: _____ kNm

Moment around Z axis: $M_{z,d}$: _____ kNm

A detailed sketch of the joint must be enclosed with the inquiry, stating the following details:

- Geometry of concrete and attachment
- Edge and centre distances C and S
- Position of attachment relative to concrete component
- Position (and angle, where applicable) of force application point on the attachment



Screw selection

- | | | |
|---|--|---|
| ☐ Ø 7,5 mm countersunk head | ☐ Ø 10,5 mm hex head | ☐ Ø 12,5 mm hex, flange |
| ☐ Ø 7,5 mm hex head, flange | ☐ Ø 7,5 mm hex head | ☐ Ø 10,5 mm hex head, flange |
| ☐ Ø 10,5 mm hex head, flange | ☐ Ø 12,5 hex head, flange | |



Bolt anchor, Bolt anchor A4

For fastening in concrete

Bolt anchor A4

With washer, Stainless steel A4,
for cracked concrete and non-cracked concrete



Stainless Steel

NEW
to our product range



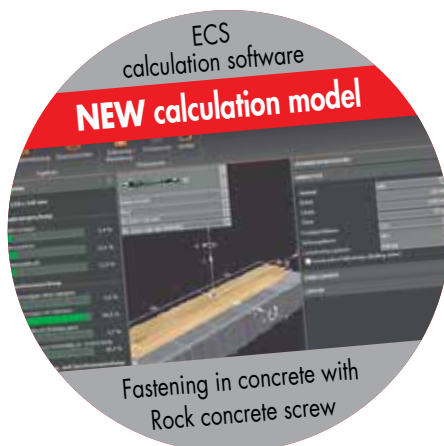
Bolt anchor

With washer, electrogalvanised, for non-cracked concrete



Torque-controlled expanding plug

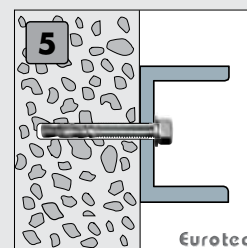
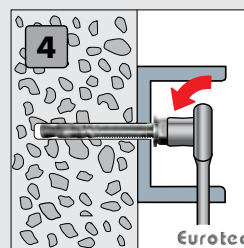
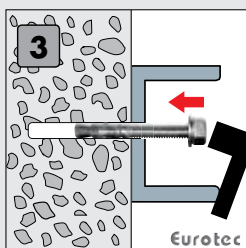
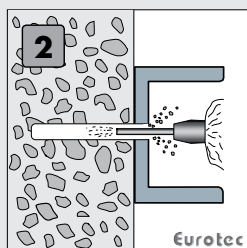
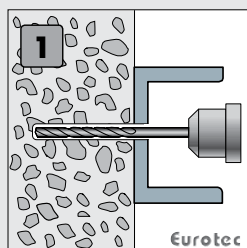
The Eurotec bolt anchor is a torque-controlled expanding plug made of electrogalvanised steel for through-hole mounting in uncracked concrete. The special thing about the bolt anchor is that it is possible to maintain small centre and edge distances despite the high load-bearing capacity. Different anchoring depths and various sizes mean the bolt anchor can be used in a variety of ways. Every bolt anchor is fitted with an expansion clip, which ensures high load-bearing capacity and means less fastening points are needed.



Art. no.	Dimensions [mm]	Head	PU
946142	8,0 x 75	SW13	100
946143	8,0 x 100	SW13	100
946144	10,0 x 100	SW17	50
946145	10,0 x 120	SW17	50
946146	10,0 x 140	SW17	50
946148	12,0 x 140	SW19	25

Art. no.	Dimensions [mm]	Head	PU
946170 *	6,0 x 55	SW10	200
946171 *	6,0 x 85	SW10	100
946172 *	8,0 x 50	SW13	100
946173	8,0 x 75	SW13	100
946174	8,0 x 95	SW13	100
946175	8,0 x 115	SW13	100
946176	8,0 x 135	SW13	50
946177 *	10,0 x 60	SW17	100
946178	10,0 x 80	SW17	50
946179	10,0 x 100	SW17	50
946180	10,0 x 120	SW17	50
946181	10,0 x 140	SW17	50
946182 *	12,0 x 80	SW19	50
946183	12,0 x 95	SW19	50
946184	12,0 x 110	SW19	50
946185	12,0 x 130	SW19	25
946186	12,0 x 160	SW19	25
946187	12,0 x 180	SW19	25
946188	16,0 x 125	SW24	20
946189	16,0 x 140	SW24	20
946190	16,0 x 180	SW24	10
To DIN 440:			
946191	12,0 x 200	SW19	20
946192	12,0 x 220	SW19	20
946193	12,0 x 240	SW19	15
946194	12,0 x 260	SW19	15
946195	16,0 x 220	SW24	10
946196	16,0 x 240	SW24	10
946197	16,0 x 260	SW24	10

* Screws not regulated by ETA-15/0886



Application

1 Create drill hole

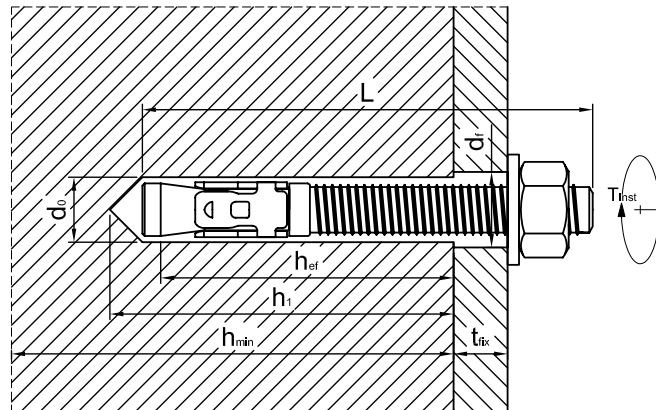
2 Clean drill hole thoroughly

3 Drive in bolt anchor with a hammer

4 Screw on the hexagonal nut until the appropriate torque is reached

5 Done!

Technical information



Dimensions [mm]	min. Subsurface thickness h_{min} [mm]	Drill diameter d_0 [mm]	min. Depth of drill hole h_i [mm]	min. Depth of drill hole h_{ef} [mm]	max. Drill diameter in attached part d_f [mm]	max. attachment thickness t_{fix} [mm]	Installation torque T_{inst} [Nm]
$\emptyset \times \text{Length}$							

Bolt anchor with washer according to DIN 125A

6,0 x 55 *	100	6	50	35	7	5	11
6,0 x 85 *	100	6	50	35	7	35	11
8,0 x 50 *	100	8	55	30	9	5	15
8,0 x 75	100	8	55	40	9	15	15
8,0 x 95	100	8	55	40	9	35	15
8,0 x 115	100	8	55	40	9	55	15
8,0 x 135	100	8	55	40	9	75	15
10,0 x 60 *	100	10	65	30	12	5	25
10,0 x 80	100	10	65	50	12	5	25
10,0 x 100	100	10	65	50	12	25	25
10,0 x 120	100	10	65	50	12	45	25
10,0 x 140	100	10	65	50	12	65	25
12,0 x 80 *	110	12	80	50	14	5	40
12,0 x 95	110	12	80	65	14	5	40
12,0 x 110	110	12	80	65	14	20	40
12,0 x 130	110	12	80	65	14	40	40
12,0 x 160	110	12	80	65	14	70	40
12,0 x 180	110	12	80	65	14	90	40
16,0 x 125	120	16	90	80	18	15	80
16,0 x 140	120	16	90	80	18	30	80
16,0 x 180	120	16	90	80	18	70	80

Bolt anchor with washer according to DIN 440

12,0 x 200	110	12	80	65	14	110	40
12,0 x 220	110	12	80	65	14	130	40
12,0 x 240	110	12	80	65	14	150	40
12,0 x 260	110	12	80	65	14	170	40
16,0 x 220	120	16	90	80	18	110	80
16,0 x 240	120	16	90	80	18	130	80
16,0 x 260	120	16	90	80	18	150	80

Bolt anchor A4

8,0 x 75	100	8	60	45	9	15	20
8,0 x 100	100	8	60	45	9	40	20
10,0 x 100	120	10	75	60	12	25	45
10,0 x 120	120	10	75	60	12	45	45
10,0 x 140	120	10	75	60	12	65	45
12,0 x 140	140	12	85	70	14	50	60

* Not regulated by ETA-14/0409

Porous concrete screw 1000, EMD Multi plug

Porous concrete screw 1000

Countersunk head screw, specially coated steel



Art. no.	Dimensions [mm]	Drive	PU
944818	8,0 x 90	TX30 ●	50
944819	8,0 x 100	TX30 ●	50
944820	8,0 x 120	TX30 ●	50
944821	8,0 x 140	TX30 ●	50
944822	8,0 x 160	TX30 ●	50
944823	10,0 x 140	TX40 ●	50
944824	10,0 x 180	TX40 ●	50

Advantages/properties

- Corrosion-resistant for up to 1,000 h in salt spray test
- Quicker and easier assembly/dismantling
- No pilot-drilling necessary
- High thread pitch
→ Quick screw insertion
- Plug-free installation minimises wall damage and saves time
- No need to countersink battens
- Excellent corrosion protection thanks to special coating
- Case-hardened

Field of application

- For fastening substructures and cladding made of metal, wood or plastic (e. g. insulating materials) to porous concrete

Art. no.	Dimension Ø d x L [mm]	Head diameter Ø d _h [mm]	min. Embedment depth h _{nom, min} [mm]	max. Fixture thickness t _{fix, max} [mm]	Design value Pull-out resistance N _{t u, Rd a)} [kN]	PU
944818	8 x 90	12	75	15	0,6	50
944819	8 x 100	12	75	25	0,6	50
944820	8 x 120	12	75	45	0,7	50
944821	8 x 140	12	80	60	0,7	50
944822	8 x 160	12	80	80	0,7	50
944823	10 x 140	14,5	95	45	0,9	50
944824	10 x 180	14,5	95	85	0,9	50

a) For aerated concrete PP4 (4,0 MPa; 550 kg/m³), γ_{M,U} = 2,5

EMD Multi plug

Plastic, with collar



Advantages

- For chipboard screws and wood construction screws
- The collar prevents the plug from penetrating too deep into the drill hole
- The anti-twist element prevents it from turning with the screw in the hole

Art. no.	Dimensions [mm]	Drill Ø subsurface [mm]	Min. depth of drill hole [mm]	Ø Screws [mm]	PU
200000	Ø 6,0 x 36	6	45	4,0	200
200001	Ø 8,0 x 50	8	60	4,5	200
200002	Ø 10,0 x 60	10	70	6,0	100
200003	Ø 12,0 x 70	12	80	8,0	50

Injection mortar

Chemical fastening system supplied as a cartridge



What can they be used for?

- For anchorages in cracked and noncracked concrete, for anchorages in brickwork, and for creating post-installed rebar connections
- For installations where very small edge and axial distances are required
- Anchorages in porous bricks

Advantages

- Broad range of applications
- Straightforward application
- Optimum dosing
- Compatible with standard cartridge/silicon guns
- Suitable for wet anchoring substrates
- Free of harmful styrene
- Reclosable with screw cap

Application

- Create drill hole
- Clean drill hole using brush and blow pump
- Open cartridge and screw on static mixer
- Press out the first part of the mortar until the mixture reaches a uniform grey colour
- Fill the drill hole from the bottom to approx. 2/3 height
→ Pulling the cartridge out slowly prevents the formation of air pockets
- Introduce anchor rod, rotating it slightly, until it reaches the insertion depth
- Allow injection mortar to harden
→ Hardening time varies depending on the temperature of the anchoring surface
- Mount attachment, observing the permissible tightening torque

Note

- Always refer to the installation instructions of the European Technical Assessment during installation



Injection mortar

300 ml, incl. static mixer



Advantages/properties

- One fastening system, many potential applications:
 - Anchorages in cracked and non-cracked concrete (ETA-17/0191)
 - Anchorages in brickwork (ETA-17/0193)
 - Creation of post-installed rebar connections (ETA-17/0192)
- Standard rebar steel, threaded rods, washers and nuts included in the European Technical Approvals
- Suitable for water-filled drill holes in concrete (plug sizes Ø 8 – 16 mm)
- Temperature range for use in concrete:
 - -40°C to +40°C
(Maximum short-term temperature +40°C and maximum long-term temperature +24°C)
 - -40°C to +80°C
(Maximum short-term temperature +80°C and maximum long-term temperature +50°C)
- Temperature range for use in masonry:
 - -40°C to +80°C
(Maximum short-term temperature +80°C and maximum long-term temperature +50°C)
- Suitable for use in closed spaces
(Emissions class A+ acc. to VOC Emissions Test report)
- Fire resistance rating F120 (M8 – M30 anchor rods, tested in non-cracked concrete)
- Approved for contact with drinking water (NSF/ANSI Standard 61)
- Shelf life: 12 months
- Mortar colour: Grey

Art. no.	Cartridge type	Content [ml]	PU
200085	For standard silicone/cartridge guns	300	12

Static mixer

For injection mortar cartridges



Art. no.	Cartridge socket	Working length [mm]	VPE
200084	M17	213	10

Perforated sleeve

Plastic

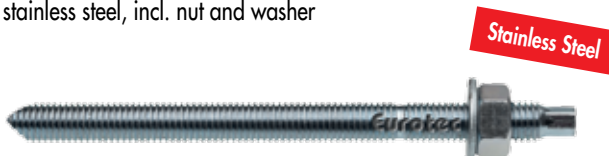


- Perforated sleeve in accordance with 16/0077

Art. no.	Dimensions [mm]	PU
200086	13 x 100	10

Anchor rod

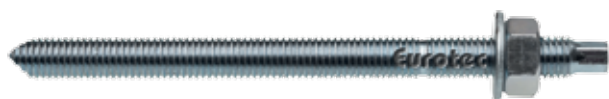
A4 stainless steel, incl. nut and washer



Art. no.	Dimensions [mm]	PU
200220	8 x 110	50
200221	10 x 130	25
200222	12 x 160	10
200223	16 x 190	10
200224	20 x 250	5

Anchor rod

Galvanised steel 5.8, inkl. nut and washer



Art. no.	Dimensions [mm]	PU
200110	6 x 70	10
200111	8 x 110	10
200112	10 x 110	10
200113	10 x 130	10
200114	12 x 130	10
200115	12 x 160	10
200116	16 x 190	10
200117	20 x 260	5
200118	24 x 300	10

Cleaning brush

For cleaning drill holes



Art. no.	Brush Ø [mm]	PU
200098	12	10
200099	14	10
200100	18	5
200101	24	5

Blow pump

For cleaning drill holes



Art. no.	PU
200097	1

Cartridge gun

Manual compression, metal



Art. no.	PU
200096	1

Pressure sleeve

Hard plastic

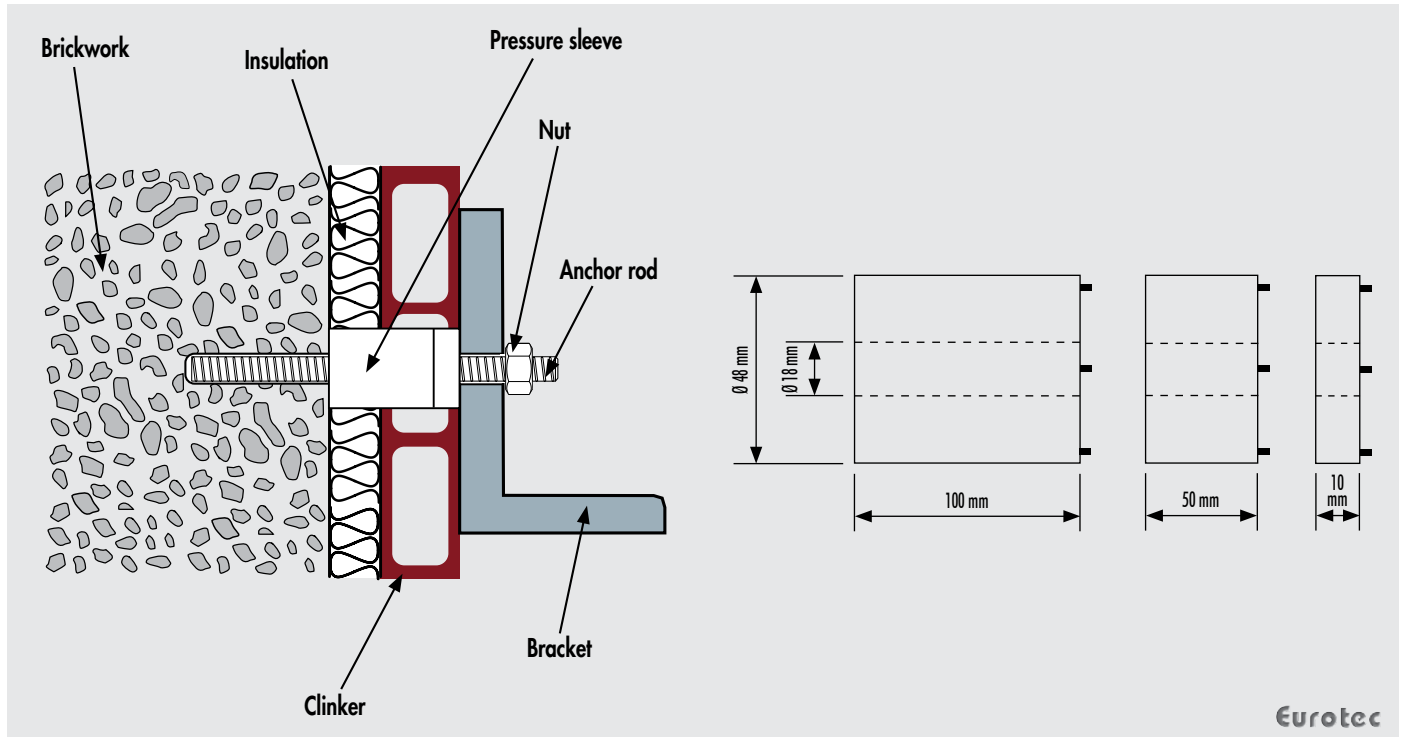


Art. no.	Dimensions [mm] ^{a)}	PU
200102	48 x 5	20
200103	48 x 10	20
200104	48 x 20	20
200105	48 x 30	20
200106	48 x 50	20
200107	48 x 100	20

a) Outside Ø x length

Advantages/properties

- Outside diameter: 48 mm
- Inside diameter: 18 mm
- Material: Hard plastic
- For anchoring attachments at a distance, e. g. in the case of curtain walls
- With its large outside diameter and thick walls, the pressure sleeve reliably dissipates any compressive forces that arise into the anchoring surface
- Plastic reduces the formation of thermal bridges
- Can be extended as desired thanks to coupling mechanism
- Durable
- Resistant to temperature and weathering
- Resistant to acids, alkalis and other chemicals



Pot life and hardening times

Temperature of anchoring surface	Pot life	Minimum curing time in dry anchoring base ¹⁾
+5°C to +9°C	10 min.	145 min.
+10°C to +19°C	6 min.	85 min.
+20°C to +29°C	4 min.	50 min.
+30°C	4 min.	40 min.

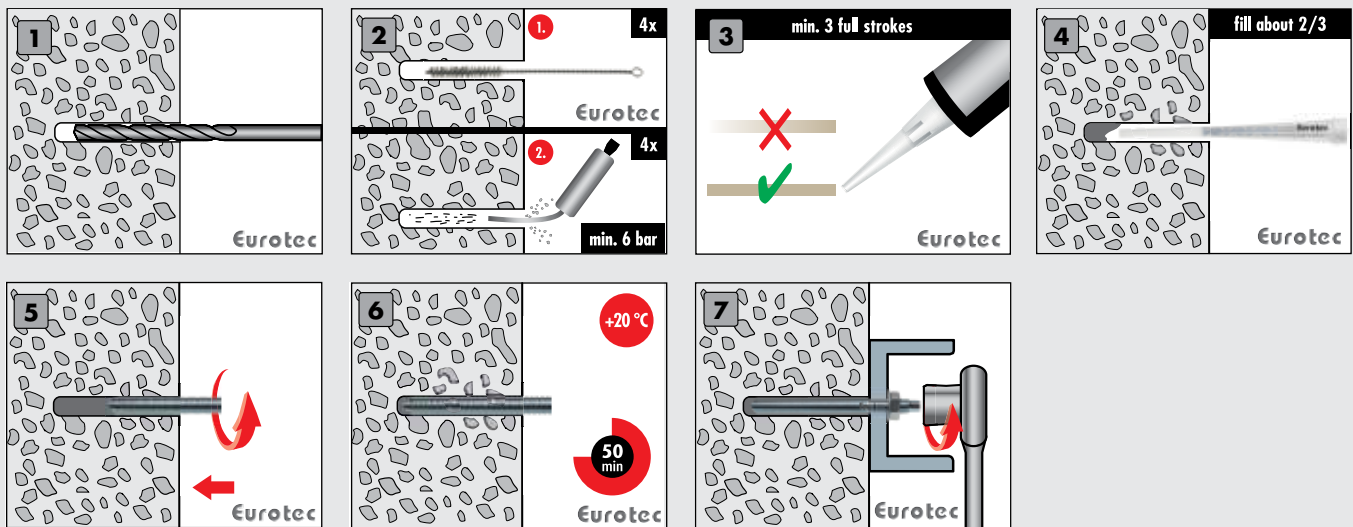
Cartridge temperature

+5°C to +20°C

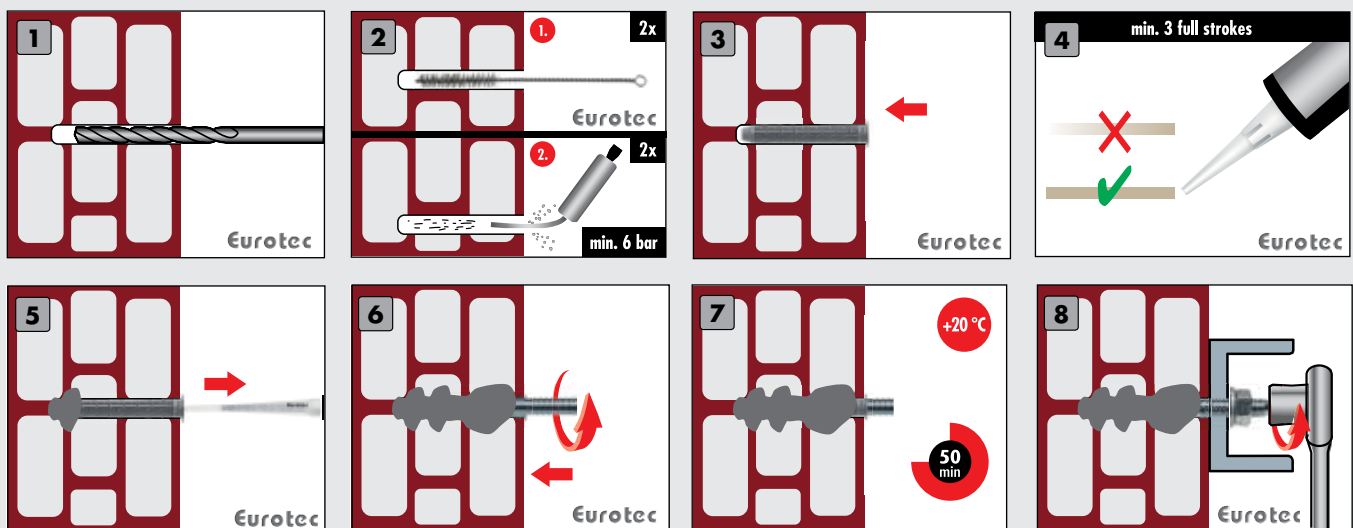
¹⁾ The curing time must be doubled if the anchoring base is wet



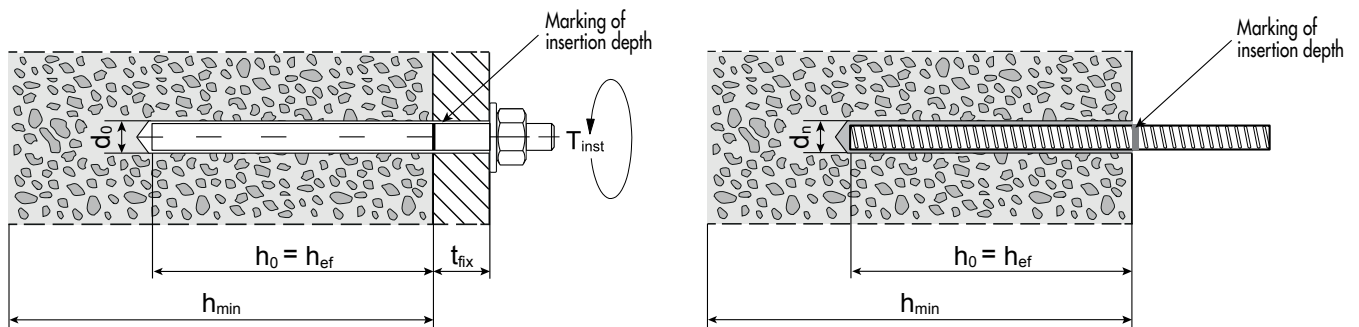
Application example with concrete



Application example with brickwork (with perforated sleeve)



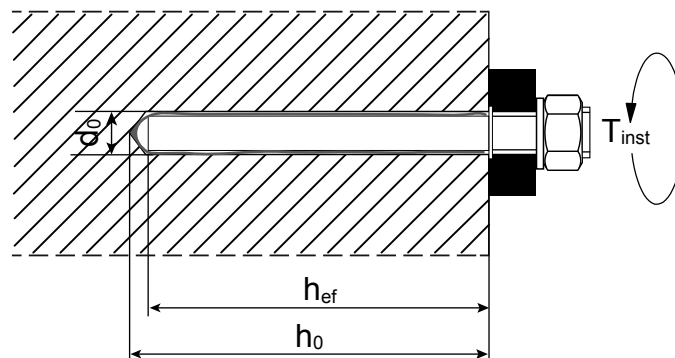
Installation parameters in cracked and non-cracked concrete



			Threaded rod							
			M 8	M 10	M 12	M 16	M 20	M 24	M 27	M 30
Drill diameter	d_0	[mm]	10	12	14	18	24	28	32	35
Anchoring depth	$h_{ef, min}$	[mm]	64	80	96	128	160	192	216	240
	$h_{ef, max}$	[mm]	144	180	216	288	360	432	486	540
Through hole in part to be attached	$d_f \leq$	[mm]	9	12	14	18	22	26	30	33
Brush diameter	$d_b \geq$	[mm]	12	14	16	20	26	30	34	37
Torque	$T_{inst} \geq$	[mm]	10	20	40	80	120	160	180	200
Attachment thickness	$t_{fix, min} >$	[mm]	0							
	$t_{fix, min} <$	[mm]	1500							
Minimum part thickness	h_{min}	[mm]	$h_{ef} + 30 \text{ mm} \geq 100 \text{ mm}$				$h_{ef} + 2d_b$			
Minimum centre distance	s_{min}	[mm]	40	50	60	80	100	120	135	150
Minimum edge distance	c_{min}	[mm]	40	50	60	80	100	120	135	150

			Rebar steel								
			Ø 8	Ø 10	Ø 12	Ø 14	Ø 16	Ø 20	Ø 25	Ø 28	Ø 32
Drill diameter	d ₀	[mm]	12	14	16	18	20	24	32	35	40
Anchoring depth	h _{ef, min}	[mm]	64	80	96	112	128	160	200	224	256
	h _{ef, max}	[mm]	144	180	216	252	288	360	450	504	576
Brush diameter	d _b ≥	[mm]	14	16	18	20	22	26	34	37	41,5
Minimum part thickness	h _{min}	[mm]	h _{ef} + 30 mm ≥ 100 mm			h _{ef} + 2 d ₀					
Minimum centre distance	s _{min}	[mm]	40	50	60	70	80	100	125	140	160
Minimum edge distance	c _{min}	[mm]	40	50	60	70	80	100	125	140	160

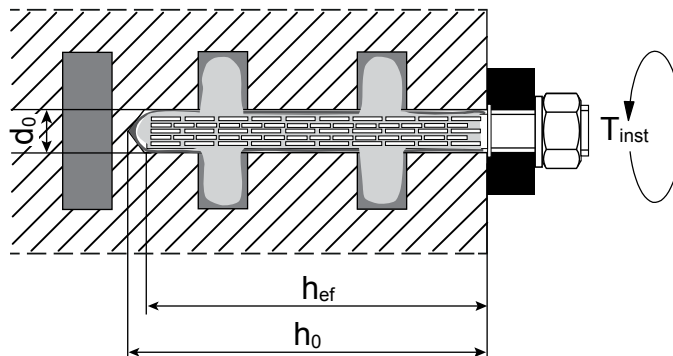
Installation parameters in solid brick without perforated sleeve



			Threaded rod			Internally threaded sleeve
			M 8	M 10	M 12*	M 8*
Drill diameter	d ₀	[mm]	10	12	12	12
Anchoring depth	h _{ef}	[mm]	80	90	90	90
Depth of drill hole	h ₀	[mm]	85	95	95	95
Through hole in part to be attached	d _r ≤	[mm]	9	12	14	14
Brush diameter	d _b ≥	[mm]	20			
Torque	T _{inst}	[Nm]	2			

*M 10 in anchoring area

Installation parameters in solid and perforated brick with perforated sleeve



			Threaded rod			Internally threaded sleeve
			M 8	M 10	M 12*	M 8*
Sleeve		[mm]	13 x 100	15 x 100	15 x 100	15 x 100
Drill diameter	d ₀	[mm]	14	16	16	16
Anchoring depth of sleeve	h _{nom}	[mm]	100	100	100	100
Anchoring depth of threaded rod	h _{ef}	[mm]	80	90	90	90
Depth of drill hole	h ₀	[mm]	105	105	105	105
Through hole in part to be attached	d _f ≤	[mm]	9	12	14	14
Brush diameter	d _b ≥	[mm]	20			
Torque	T _{inst}	[Nm]	2			

*M 10 in anchoring area

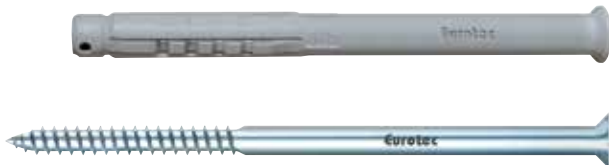


Frame fixing

Set consisting of fixing and screw

ERD SK frame fixing

Countersunk head



Advantages

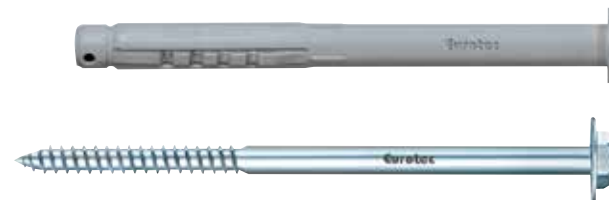
- Through-hole mounting
- Ready for loading immediately
- The hammer-in stop prevents premature expansion of the plug during installation



Art. no.	Dimensions [mm]	Drive	PU
200012	10,0 x 80	TX40 ●	50
200013	10,0 x 100	TX40 ●	50
200014	10,0 x 120	TX40 ●	50
200015	10,0 x 140	TX40 ●	50
200016	10,0 x 160	TX40 ●	50
200017	10,0 x 180	TX40 ●	50
200018	10,0 x 200	TX40 ●	50
200019	10,0 x 230	TX40 ●	25
200020	10,0 x 260	TX40 ●	25

ERD ZK frame fixing

Cylinder head



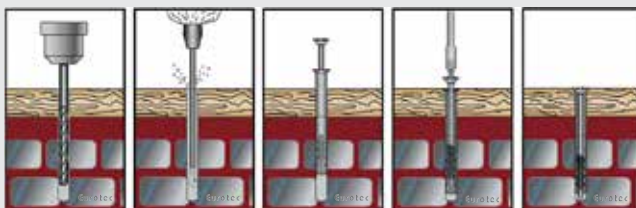
Advantages

- Through-hole mounting
- Ready for loading immediately
- The hammer-in stop prevents premature expansion of the plug during installation

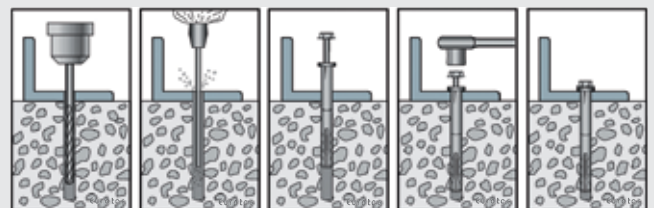


Art. no.	Dimensions [mm]	Head	PU
200021	10,0 x 80	SW13	50
200022	10,0 x 100	SW13	50
200023	10,0 x 120	SW13	50
200024	10,0 x 140	SW13	50
200025	10,0 x 160	SW13	50
200026	10,0 x 180	SW13	50

Application example with brickwork

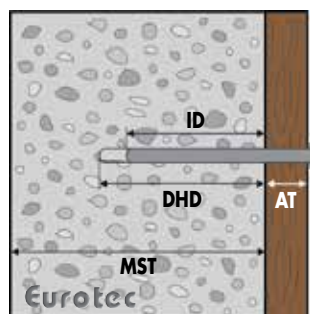


Application example with concrete



Our hint: Drill using rotary mode for perforated bricks and hollow blocks. Do not use hammer mode! Remove the drillings from the drill hole!

Technical information



AT = Attachment thickness

ID = Insertion depth

DHD = Drill-hole depth

MST = Minimum subsurface thickness

ERD frame fixing SK	Art. no.	Dimensions plug [mm]	Drive screw	Drill Ø subsurface [mm]	min. Drill hole depth DHD [mm]	min. Plug insertion depth ID [mm]	max. Drill Ø in attached part [mm]	max. Attachment thickness AT [mm]
	200012	Ø 10 x 80	TX40	10	70	60	10,5	20
	200013	Ø 10 x 100	TX40	10	70	60	10,5	40
	200014	Ø 10 x 120	TX40	10	70	60	10,5	60
	200015	Ø 10 x 140	TX40	10	70	60	10,5	80
	200016	Ø 10 x 160	TX40	10	70	60	10,5	100
	200017	Ø 10 x 180	TX40	10	70	60	10,5	120
	200018	Ø 10 x 200	TX40	10	70	60	10,5	140
	200019	Ø 10 x 230	TX40	10	70	60	10,5	170
	200020	Ø 10 x 260	TX40	10	70	60	10,5	200

ERD frame fixing SK	Art. no.	Dimensions plug [mm]	Head screw	Drill Ø subsurface [mm]	min. Drill hole depth DHD [mm]	min. Plug insertion depth ID [mm]	max. Drill Ø in attached part [mm]	max. Attachment thickness AT [mm]
	200021	Ø 10 x 80	SW13	10	70	60	10,5	20
	200022	Ø 10 x 100	SW13	10	70	60	10,5	40
	200023	Ø 10 x 120	SW13	10	70	60	10,5	60
	200024	Ø 10 x 140	SW13	10	70	60	10,5	80
	200025	Ø 10 x 160	SW13	10	70	60	10,5	100
	200026	Ø 10 x 180	SW13	10	70	60	10,5	120

Subsurface	Strength class ^{a)}	Char. load-bearing capacity N _{Rk,p} [kN]	Drilling method ^{b)}	min. Subsurface thickness MST [mm]	min. Edge distance [mm]	min. Centre distance [mm]
Concrete	C12/15 ≥ C16/20	3,0 4,5	S	100	140 100	110 80
Vertically perforated brick DIN 105	HLz 6 - 0,7 HLz 8 - 0,9 HLz 10 - 0,9 HLz 12 - 0,9	0,4 0,4 0,5 0,6	D	100	100	250
Hollow block made of lightweight concrete DIN EN771-3	Hbl 4 - 1,2	1,5	D	100	100	250
Perforated sand-lime brick DIN 106	KSL 8 - 1,4 KSL 10 - 1,4 KSL 12 - 1,4	1,5 1,5 2,0	D	100	100	250
Solid sand-lime brick DIN 106	KS 10 - 2,0 KS 20 - 2,0 KS 28 - 2,0	1,2 1,5 2,0	D	100	150	250
Solid lightweight concrete brick DIN 18152	V 4 - 1,2 V 6 - 1,2	1,5 2,0	D	100	100	250
Masonry brick DIN 105	Mz 10 - 1,8 Mz 20 - 1,8	3,0 4,0	S	100	100	250

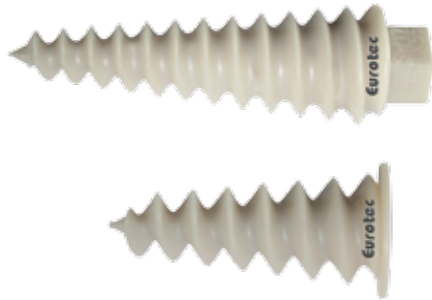
a) Indication of strength class of masonry blocks: e. g. Mz 10 - 1,8 = masonry brick with min. compressive strength 10 N/mm² and min. bulk density of 1,8 kg/m³

b) H = Hammer drilling, R = Rotary drilling

Rigid foam plug, Gypsum board plug

Rigid foam plug

Plastic



Art. no.	Dimensions [mm]	For screw Ø*	Drive	PU
200060	20 x 50	4,0 - 4,5	TX30 •	50
200061	30 x 95	8,0 / M8	TX55 + SW17	50
200062	30 x 95	10,0 / M10	SW17	50

*Screw not included

- For anchorages in expanded polystyrene, rigid foam boards and other soft building materials
- The plug has a TX/hexagon drive and is screwed in in a straightforward and time-saving manner with no need for pilot drilling

Gypsum board plug

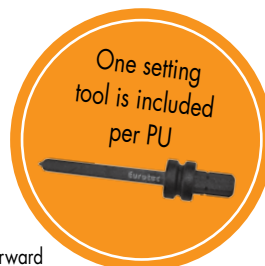
Incl. setting tool



Art. no.	For screw Ø*	PU
200056	3,5 - 5,0 mm	100

*Screw not included

- For anchorages in plasterboard/gypsum board
- The plug is screwed directly into the plasterboard/gypsum board in a straightforward and time-saving manner using the setting tool
- Suitable for wood or chipboard screws with Ø of Ø 3,5 - 5,0 mm



Insulating stud anchor, Nail plug, Express nail

Insulating stud anchor

NEW
to our product range



Material:
Zinc die-cast

Advantages

- No pre-drilling for soft materials
- Direct installation without separate anchors
- Sealing disc included
- Installation without thermal bridges
- No impact to the screws thanks to TX drive

Suitable building materials

- External thermal insulation composite systems (ETICSs)
- Polystyrene panels (EPS, XPS)
- Rigid foam boards
- Foamed polystyrene panels

Description

The Eurotec stud anchor is suitable for direct anchoring in polystyrene, rigid foam panels and other soft construction materials. The conical shape of the anchor ensures that the material is compacted in the area of the screw-in point, holding the anchor firmly in place.



END Nail plug

Countersunk head, set consisting of plug and screw



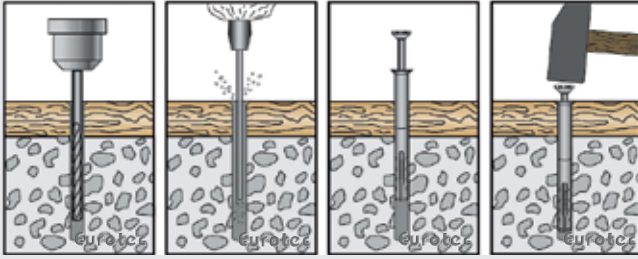
Advantages

- Fast and efficient installation
- Saves time thanks to preinstalled threaded nail
- Especially suited to working with timber and lightweight-construction profiles
- Easy to remove with crosshead drive

Art. no.	Dimensions [mm]	Thread length [mm]	Drive	PU
200036	13 x 65	65	TX30 •	100

Art. no.	Dimensions [mm]	Drive	PU
200004	5,0 x 30	PZ 2	200
200005	5,0 x 40	PZ 2	200
200006	6,0 x 40	PZ 2	200
200007	6,0 x 60	PZ 2	200
200008	6,0 x 80	PZ 2	200
199996	6,0 x 100	PZ 2	200
199997	8,0 x 50	PZ 2	100
200009	8,0 x 60	PZ 2	100
200010	8,0 x 80	PZ 2	100
200011	8,0 x 100	PZ 2	100
199998	8,0 x 120	PZ 2	100
199999	8,0 x 140	PZ 2	100

Application example



Art. no.	Dimensions	Drill Ø subsurface [mm]	min. Drill hole depth DHD [mm]	min. Plug insertion depth ID [mm]	max. Drill Ø in attached part [mm]	max. Attachment thickness AT [mm]
200004	Ø 5 x 30	5	30	20	5	10
200005	Ø 5 x 40	5	30	20	5	20
200006	Ø 6 x 40	6	35	25	6	15
200007	Ø 6 x 60	6	35	25	6	35
200008	Ø 6 x 80	6	35	25	6	55
199996	Ø 6 x 100	6	55	25	6	60
199997	Ø 8 x 50	8	50	40	8	10
200009	Ø 8 x 60	8	50	40	8	20
200010	Ø 8 x 80	8	50	40	8	40
200011	Ø 8 x 100	8	50	40	8	60
199998	Ø 8 x 120	8	50	40	8	80
199999	Ø 8 x 140	8	50	40	8	100

Express nail

Galvanised

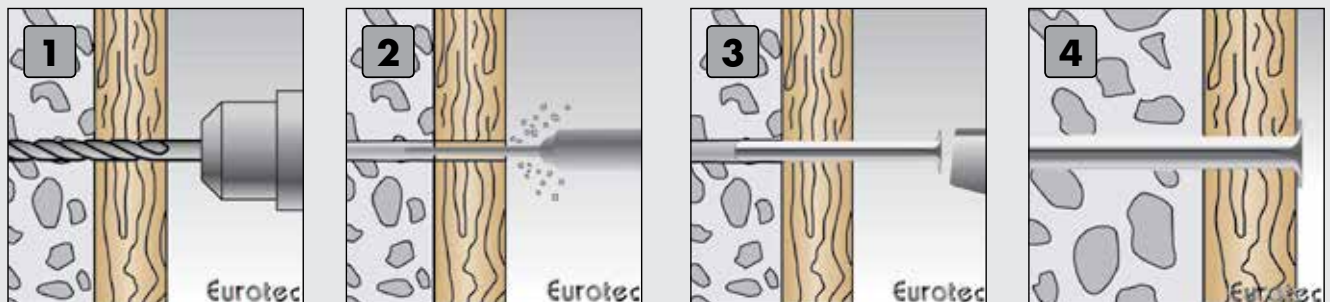


- The express nail is used for lightweight fastenings in concrete and brickwork; it grips over its entire length in the drilled hole. It is used in concrete, natural stone, dense structures, solid brick and solid sand lime brick
- Perfectly suited to attaching: e. g. squared timbers, timber and metal substructures and metal profiles

Advantages

The wax coating makes it easy to hammer into the drilled hole. No screws or plugs are needed

Art. no.	Dimensions [mm]	Attachment thickness [mm]	PU
110143	6,0 x 30	3	200
110144	6,0 x 40	10	200
110145	6,0 x 50	20	200
110146	6,0 x 60	30	200
110147	6,0 x 80	50	200
900089	6,0 x 100	70	200
110148	8,0 x 70	30	100
110149	8,0 x 90	50	100
110150	8,0 x 110	70	100
110151	8,0 x 130	90	100
110152	8,0 x 150	110	100
110153	8,0 x 180	140	100



Sealing plug, Impact rivets, Ceiling anchor

Sealing plug

With neoprene seal



- Plastic plug with cross-head screw and seal ring
- After installation, the premounted seal ring reliably prevents moisture from penetrating into the component through the drill hole

Especially suitable for

- Anchorages in concrete, solid bricks, sand-lime bricks and other high-strength building materials

Technical data

Art. no.	Type	Plug	Nail	Seal ring	Plug	Nail	Drill Ø subsurface	min. Drill hole depth DHD	min. Plug insertion depth ID	max. Drill Ø in attached part	max. Attachment thickness AT
		Ø [mm]			Length [mm]		[mm]	[mm]	[mm]	[mm]	[mm]
200050	Stainless steel A2	6	4	15	30	35	6	35	25	6	5
200051	Stainless steel A2	6	4	15	40	42	6	35	25	6	15
200052	Stainless steel A2	6	4	15	50	52	6	35	25	6	25
200053	Stainless steel A2	6	4	15	60	62	6	35	25	6	35
200040	Stainless steel, copper	6	4	15	30	35	6	35	25	6	5
200041	Stainless steel, copper	6	4	15	40	42	6	35	25	6	15
200042	Stainless steel, copper	6	4	15	50	52	6	35	25	6	25
200043	Stainless steel, copper	6	4	15	60	62	6	35	25	6	35

Impact rivets

Aluminium rivet body/stainless-steel mandrel



Impact fastening of

- Aluminium, sheet-metal, wall-end and roof-edge profiles
- Chimney flashing, wall coping
- Skylights, roof gullies, roof hatches, smoke extractors, flues
- Moisture-proof roofing sheets, flat-roof end profiles
- Linings and membrane connections for swimming pools
- Flange fastenings
- Frames, door and window frames
- Battens, insulation material
- Floor coverings and much more

Art. no.	Shaft Ø rivet length [mm]	Drill Ø [mm]	max. Attachment thickness [mm]	PU
111246	4,8 x 16	5,0	11,0	200
111247	4,8 x 20	5,0	15,0	200
111248	4,8 x 26	5,0	20,0	200
111249	4,8 x 30	5,0	25,0	200
111250	4,8 x 35	5,0	30,0	200
111251	4,8 x 40	5,0	35,0	200
111252	4,8 x 50	5,0	45,0	200
111253	5,0 x 20	5,0	5,0	200
111254	5,0 x 30	5,0	15,0	200
111260	5,0 x 40	5,0	25,0	200

Ceiling anchor

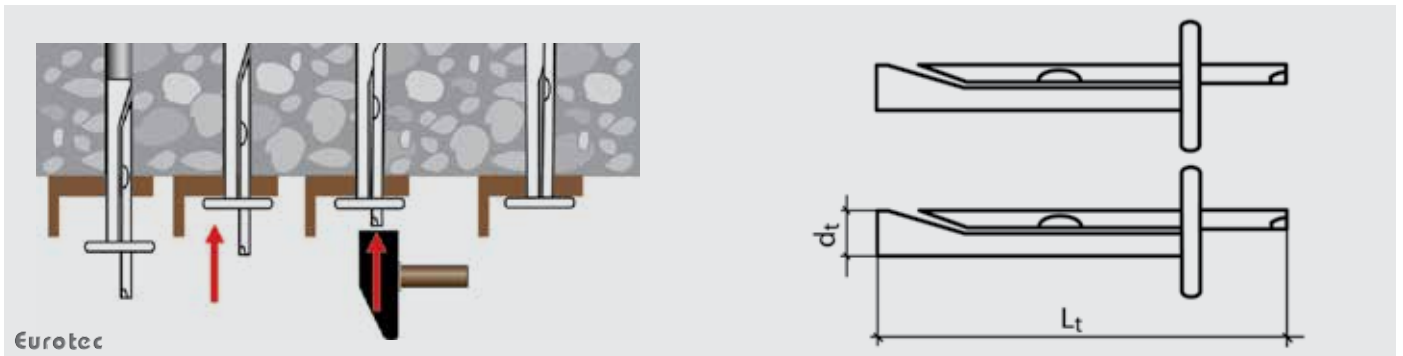
Galvanised



Art. no.	Dimensions [mm]	PU
110000	6,0 x 40	200
110001	6,0 x 70	200

Application

- Pilot-drill the base material to the desired depth (but at least 40 mm) with a diameter of 6 mm
- Minimum anchoring depth in the concrete: 32 mm
- Insert the ceiling anchor through the pre-drilled attachment
- Hammer in the pin



Window frame screws, Mounting disc, Level Max

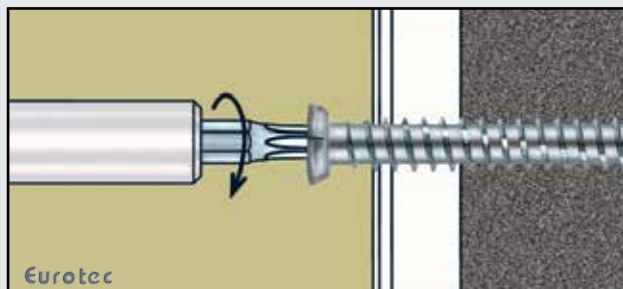
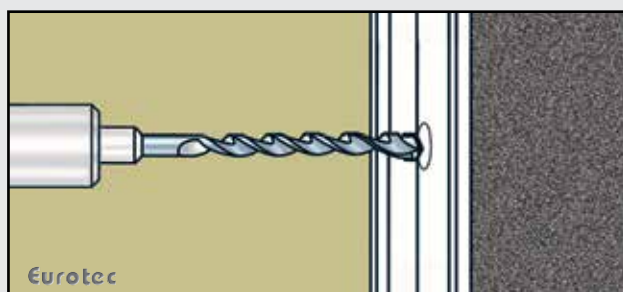
Concrete frame screw

Countersunk head and cylinder head



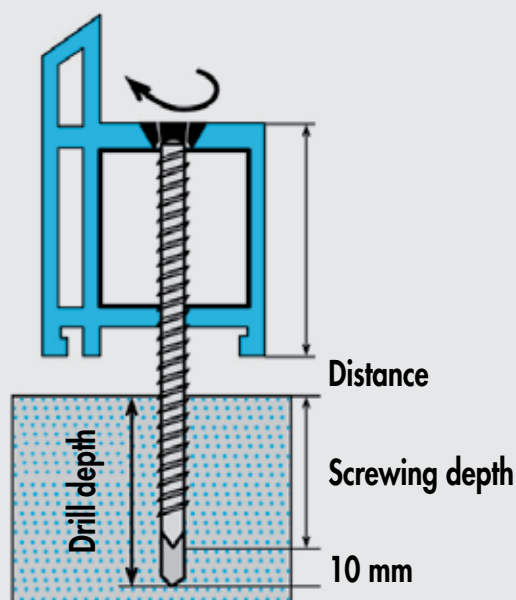
Application

- Pilot-drill the frame to Ø 6,2 mm; insert and align window
- Pilot-drill the anchoring surface to Ø 6,0; screw in concrete frame screws



Art. no.	Dimensions [mm]	Drive	Thread	Head Ø [mm]	PU
B110069	7,5 x 42	TX25 ●	FT	7,5	100
B944847	7,5 x 52	TX25 ●	FT	7,5	100
B900905	7,5 x 62	TX25 ●	FT	7,5	100
B110070	7,5 x 72	TX25 ●	FT	7,5	100
B900906	7,5 x 82	TX25 ●	FT	7,5	100
B110071	7,5 x 92	TX25 ●	FT	7,5	100
B900907	7,5 x 102	TX25 ●	FT	7,5	100
B110072	7,5 x 112	TX25 ●	FT	7,5	100
B900725	7,5 x 122	TX25 ●	FT	7,5	100
B110073	7,5 x 132	TX25 ●	FT	7,5	100
B110074	7,5 x 152	TX25 ●	FT	7,5	100
B110075	7,5 x 182	TX25 ●	FT	7,5	100
B110076	7,5 x 212	TX25 ●	FT	7,5	100
B901087	7,5 x 42	TX30 ●	FT	8,5	100
B900023	7,5 x 62	TX30 ●	FT	8,5	100
B900017	7,5 x 72	TX30 ●	FT	8,5	100
B900018	7,5 x 82	TX30 ●	FT	8,5	100
B900019	7,5 x 92	TX30 ●	FT	8,5	100
B900021	7,5 x 102	TX30 ●	FT	8,5	100
B900024	7,5 x 112	TX30 ●	FT	8,5	100
B900020	7,5 x 122	TX30 ●	FT	8,5	100
B900025	7,5 x 132	TX30 ●	FT	8,5	100
B900707	7,5 x 152	TX30 ●	FT	8,5	100
B900383	7,5 x 182	TX30 ●	FT	8,5	100
B901034	7,5 x 212	TX30 ●	DT	8,5	100
B944636	7,5 x 252	TX30 ●	DT	8,5	100
B944637	7,5 x 302	TX30 ●	DT	8,5	100

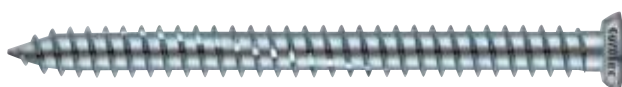
FT = fully threaded, DT = double-threaded



Eurotec

Concrete frame screw

Countersunk head, case-hardened steel

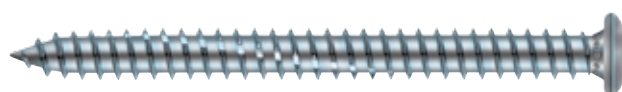


Art. no.	Dimensions [mm]	Drive	Thread	Head Ø [mm]	PU
B110061	7,5 x 42	TX30 ●	FT	11	100
B900903	7,5 x 52	TX30 ●	FT	11	100
B900620	7,5 x 62	TX30 ●	FT	11	100
B110062	7,5 x 72	TX30 ●	FT	11	100
B900621	7,5 x 82	TX30 ●	FT	11	100
B110063	7,5 x 92	TX30 ●	FT	11	100
B900896	7,5 x 102	TX30 ●	FT	11	100
B110064	7,5 x 112	TX30 ●	FT	11	100
B900724	7,5 x 122	TX30 ●	FT	11	100
B110065	7,5 x 132	TX30 ●	FT	11	100
B110066	7,5 x 152	TX30 ●	FT	11	100
B110067	7,5 x 182	TX30 ●	FT	11	100
B110068	7,5 x 212	TX30 ●	DT	11	100
B944642	7,5 x 232	TX30 ●	DT	11	100
B944638	7,5 x 252	TX30 ●	DT	11	100
B944643	7,5 x 272	TX30 ●	DT	11	100
B944639	7,5 x 302	TX30 ●	DT	11	100
B944641	7,5 x 342	TX30 ●	DT	11	100
B944644	7,5 x 372	TX30 ●	DT	11	100
B944645	7,5 x 402	TX30 ●	DT	11	100

FT = fully threaded, DT = double-threaded

Concrete frame screw

Pan head, galvanised steel



Art. no.	Dimensions [mm]	Drive	PU
B944661	7,5 x 42	TX30 ●	100
B944662	7,5 x 72	TX30 ●	100
B944663	7,5 x 82	TX30 ●	100
B944664	7,5 x 92	TX30 ●	100
B944665	7,5 x 112	TX30 ●	100
B944666	7,5 x 132	TX30 ●	100
B944667	7,5 x 152	TX30 ●	100
B944668	7,5 x 182	TX30 ●	100
B944669	7,5 x 212	TX30 ●	100

Mounting disc

Senzimized steel



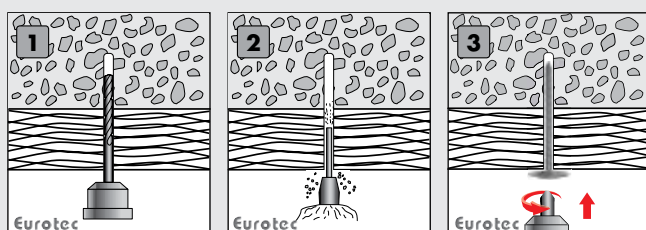
Art. no.	Plate-Ø [mm]	Ø Hole [mm]	PU
800308	40	7,35	—*

* On request



- Versatile mounting disc for secure and uniform load distribution
- Can be combined with different screws, nails and plugs

Mounting disc installation instructions



Timber frame screw

Cylinder head, galvanised steel



Advantages

- Complete seal
- Adapts perfectly
- Prevents the frame from warping
- Optimum load transmission
- Quick and easy dismantling
→ Installation without pilot-drilling
- Plug-free installation minimises wall damage and saves time
- Unstressed window frame installation

Application

- Suitable for timber window frames

Art. no.	Dimensions [mm]	Drive	PU
B944652	5,0 x 52	TX15 ●	200
B944653	5,0 x 62	TX15 ●	200
B944655	5,0 x 72	TX15 ●	200
B944656	5,0 x 82	TX15 ●	200
B944654	5,0 x 92	TX15 ●	200
B944657	5,0 x 102	TX15 ●	200
B944658	5,0 x 112	TX15 ●	200



Level Max

Inflatable assembly cushion



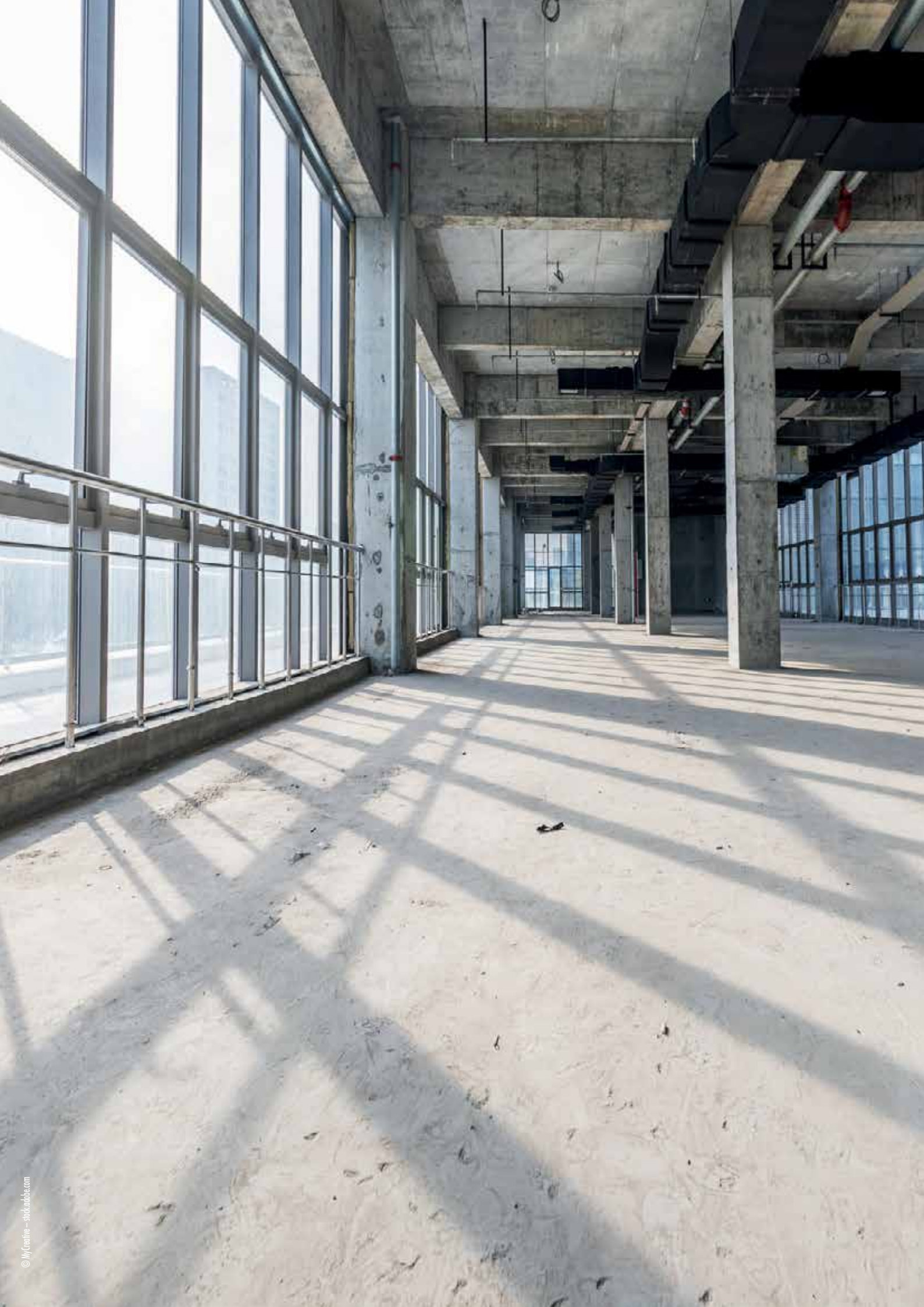
Advantages and properties

- Enormous time savings
- Accurate alignment down to the last millimetre
- Long-lasting and can be used as often as needed
- Easy operation
- Can be used with one hand
- Lifting force up to 100 kg

Art. no.	Dimensions [mm] ^{a)}	Total weight [g]	PU
800403	150 x 160	79	4

a) Assembly cushion





Glazing blocks, block trowel

Glazing blocks



Advantages

- High load-bearing capacity
- Compatibility with many edge-sealing compounds
- Ageing resistance
- Temperature resistance

Art. no.	Dimensions [mm]	Colour	PU
964615	100 x 20 x 1	White	1000
964616	100 x 20 x 2	Blue	1000
964617	100 x 20 x 3	Red	1000
964618	100 x 20 x 4	Yellow	1000
964619	100 x 20 x 5	Green	1000
964620	100 x 20 x 6	Black	1000
964588	100 x 22 x 1	White	1000
964589	100 x 22 x 2	Blue	1000
964590	100 x 22 x 3	Red	1000
964591	100 x 22 x 4	Yellow	1000
964592	100 x 22 x 5	Green	1000
964621	100 x 22 x 6	Black	1000
964622	100 x 24 x 1	White	1000
964593	100 x 24 x 2	Blue	1000
964594	100 x 24 x 3	Red	1000
964595	100 x 24 x 4	Yellow	1000
964623	100 x 24 x 5	Green	1000
964624	100 x 24 x 6	Black	1000
964625	100 x 26 x 1	White	1000
964626	100 x 26 x 2	Blue	1000
964627	100 x 26 x 3	Red	1000
964628	100 x 26 x 4	Yellow	1000
964629	100 x 26 x 5	Green	1000
964630	100 x 26 x 6	Black	1000
964631	100 x 28 x 1	White	1000
964632	100 x 28 x 2	Blue	1000
964633	100 x 28 x 3	Red	1000
964634	100 x 28 x 4	Yellow	1000
964635	100 x 28 x 5	Green	1000
964636	100 x 28 x 6	Black	1000
964597	100 x 30 x 1	White	1000
964605	100 x 30 x 2	Blue	1000
964602	100 x 30 x 3	Red	1000
964637	100 x 30 x 4	Yellow	1000
964638	100 x 30 x 5	Green	1000
964639	100 x 30 x 6	Black	1000
964640	100 x 36 x 1	White	1000
964641	100 x 36 x 2	Blue	1000
964642	100 x 36 x 3	Red	1000
964643	100 x 36 x 4	Yellow	1000
964644	100 x 36 x 5	Green	1000
964645	100 x 36 x 6	Black	1000
964646	100 x 40 x 1	White	1000
964647	100 x 40 x 2	Blue	1000
964648	100 x 40 x 3	Red	1000
964649	100 x 40 x 4	Yellow	1000
964650	100 x 40 x 5	Green	1000
964651	100 x 40 x 6	Black	1000
964652	100 x 44 x 1	White	500
964653	100 x 44 x 2	Blue	500
964654	100 x 44 x 3	Red	500
964655	100 x 44 x 4	Yellow	500
964656	100 x 44 x 5	Green	500
964657	100 x 44 x 6	Black	500
964658	100 x 46 x 1	White	500
964659	100 x 46 x 2	Blue	500
964660	100 x 46 x 3	Red	500

More sizes on the next page

Art. no.	Dimensions [mm]	Colour	PU
964661	100 x 46 x 4	Yellow	500
964662	100 x 46 x 5	Green	500
964663	100 x 46 x 6	Black	500
964664	100 x 48 x 1	White	500
964665	100 x 48 x 2	Blue	500
964666	100 x 48 x 3	Red	500
964667	100 x 48 x 4	Yellow	500
964668	100 x 48 x 5	Green	500
964669	100 x 48 x 6	Black	500
964670	100 x 50 x 1	White	500
964671	100 x 50 x 2	Blue	500
964672	100 x 50 x 3	Red	500
964673	100 x 50 x 4	Yellow	500
964674	100 x 50 x 5	Green	500
964675	100 x 50 x 6	Black	500

Mixed box glazing blocks



Art. no.	Quantity (Pce.)	Dimensions [mm]	PU
964676	250	100 x 22 x 1	950
	250	100 x 22 x 2	
	250	100 x 22 x 3	
	100	100 x 22 x 4	
	100	100 x 22 x 5	
964596-800*	200	100 x 24 x 1	800
	200	100 x 24 x 2	
	200	100 x 24 x 3	
	100	100 x 24 x 4	
	100	100 x 24 x 5	
964677	200	100 x 26 x 1	800
	200	100 x 26 x 2	
	200	100 x 26 x 3	
	100	100 x 26 x 4	
	100	100 x 26 x 5	
964678	200	100 x 28 x 1	800
	200	100 x 28 x 2	
	200	100 x 28 x 3	
	100	100 x 28 x 4	
	100	100 x 28 x 5	
964679	180	100 x 30 x 1	700
	180	100 x 30 x 2	
	180	100 x 30 x 3	
	80	100 x 30 x 4	
	80	100 x 30 x 5	
964680	150	100 x 36 x 1	570
	150	100 x 36 x 2	
	150	100 x 36 x 3	
	60	100 x 36 x 4	
	60	100 x 36 x 5	

* Discontinued line

Block trowel



Art. no.	Dimensions [mm]*	Weight [g]	PU
964681	65	123	1

* Width of trowel

**Makes
your work
easier**

- Makes it easier for users to fit panes of glass
- With this double-sided plastic trowel, panes of glass can be lifted effortlessly