ejotherm STR U 2G

Universal screw-in anchor for countersunk and surface fixed installation

- Approved for all building material categories (A, B, C, D, E)
- Countersunk installation - EJOT STR principle with *ejotherm* STR cap for homogeneous surfaces and even rendering - quick and easy without milling dust
- Up to 40% faster installation
- Reduced thermal bridges (0.001 W/K)
- Surface fixed installation using *ejotherm* STR plugs
- Shortest embedment depths, highest loads for maximum safety and economic anchor usage
- Permanent contact pressure
- Pre-mounted screw for quick installation
- 100 % setting control: the countersunk installation of the washer indicates safe anchorage

Notes on *ejotherm* STR U:

Universal screw-in anchor *ejotherm* STR U (first generation) is still available in the lengths 115 to 295 mm.

Technical data	
Anchor nominal diameter	8 mm
Washer diameter	60 mm
Drill hole depth, countersunk installation $h_1 \geq$	50 mm (90 mm)
Drill hole depth, surface fixed installation $h_2 \geq$	35 mm (75 mm)
Embedment depth $h_{ef} \geq$	25 mm (65 mm)
Screw drive	TORX T30
Point thermal transmission χ countersunk installation	0.001 W/K
Point thermal transmission χ surface fixed installation	0.002 W/K
Use categories acc. to ETA*	A, B, C, D, E
German DIBt Approval	Z-21.2-1769
European Technical Approval	ETA-04/0023

Values in parentheses: anchoring in aerated concrete (use category E)
*Specification according to ÖNORM B 6124 for concrete, solid brick and vertical brick

EJOT STR principle

ejotherm

B 6124

GEPRÜFT

ETA CE

Building materials, sorted according to use categories and design loads

For calculation of design loads the national safety factors have to be included (e.g., Germany: 3).
Please observe the approval.

Minimum requirements on the raw density and compression strength of stone according to the approval.

Characteristic loads		
A	Normal weight concrete C 12/15 acc. to EN 206-1	1.5 kN
A	Normal weight concrete C 16/20 - C 50/60 acc. to EN 206-1	1.5 kN
A	Pre-cast concrete panel C 16/20 - C 50/60	1.5 kN
B	Clay bricks (Mz) acc. to EN 771-1 / DIN 105	1.5 kN
B	Solid lime sandstone (KS) acc. to EN 771-2 / DIN EN 106	1.5 kN
B	Solid masonry of lightweight concrete (V) acc. to EN 771-3 / DIN 18152	0.6 kN
C	Vertically perforated clay bricks (Hlz) acc. to EN 771-1 / DIN 105	1.2 kN
C	Vertically cored reference bricks (Hlz) acc. to ÖNORM B 6124	0.75 kN
C	Sand-lime perforated bricks (KSL) acc. to EN 771-2 / DIN EN 106	1.5 kN
C	Lightweight concrete hollow blocks (HbL) acc. to EN 771-3 / DIN 18151	0.6 kN
D	Lightweight aggregate concrete (LAC) acc. to EN 771-4	0.9 kN
E	Autoclaved aerated concrete (AAC 4 - AAC 7) acc. to EN 771-4	0.75 kN

Application matrix for the use categories A to D, embedment depth = 25 mm

1) Sample setting is required for perforated block

2) Drilling-out is necessary: use a drill with Ø 10 mm, drill 40 mm deep into the tolerance layer

3) Only surface fixed

Insulation thickness	To allow for differences in thicknesses of build up (adhesive and existing render)					
(mm)	10	30	50	70	90	100
60	115[1), 3)]	115[3)]	135[3)]	155[2), 3)]		
80	115	135	155	175[2), 3)]	195[2), 3)]	
100	135	155	175	195	215[2), 3)]	235[2), 3)]
120	155	175	195	215	235	255
140	175	195	215	235	255	275[3)]
160	195	215	235	255	275	295
180	215	235	255	275	295	315
200	235	255	275	295	315	335
220	255	275	295	315	335	355
240	275	295	315	335	355	375
260	295	315	335	355	375	395
280	315	335	355	375	395	415
300	335	355	375	395	415	435
320	355	375	395	415	435	455
340	375	395	415	435	455	
360	395	415	435	455		
380	415	435	455			
400	435	455				
420	455					

Application matrix with use category E, embedment depth = 65 mm

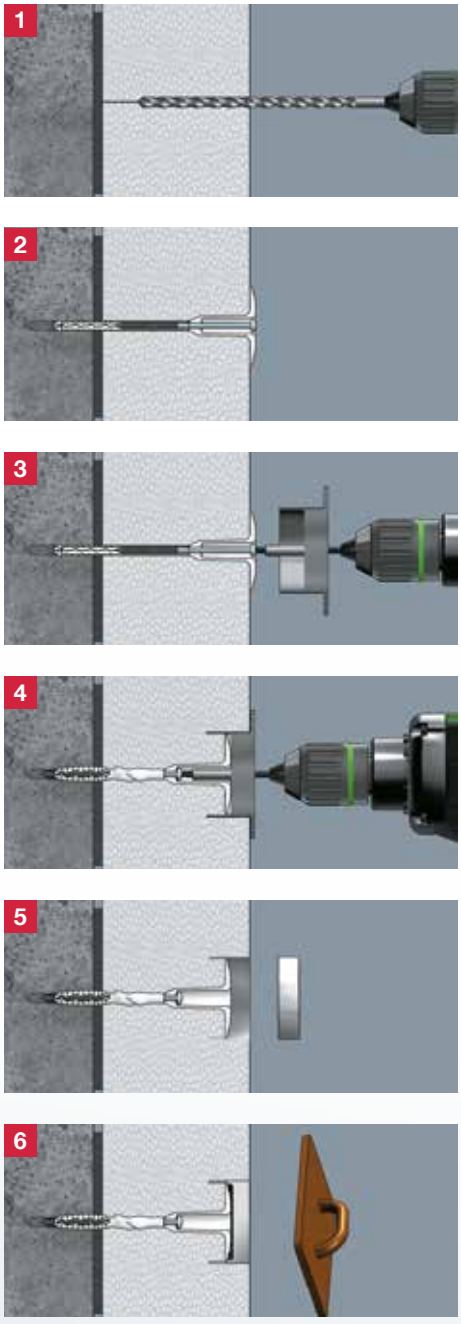
2) Drilling-out is necessary: use a drill with Ø 10 mm, drill 40 mm deep into the tolerance layer

3) Only surface fixed

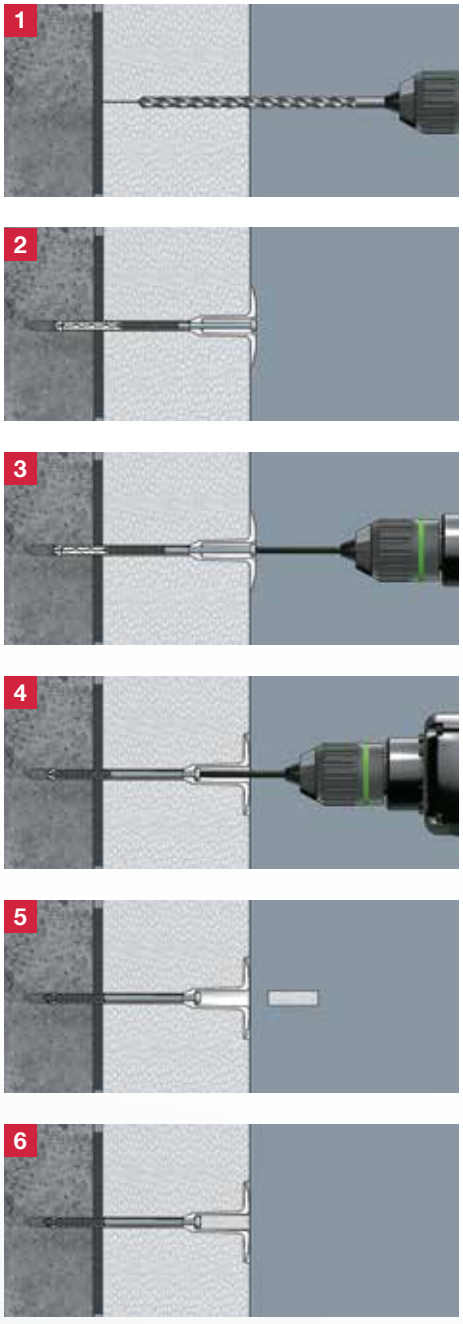
Insulation thickness	To allow for differences in thicknesses of build up (adhesive and existing render)		
(mm)	10	30	50
60	135[3)]	155[2), 3)]	
80	155	175[2), 3)]	195[2), 3)]
100	175	195	215[2), 3)]
120	195	215	235
140	215	235	255
160	235	255	275
180	255	275	295
200	275	295	315
220	295	315	335
240	315	335	355
260	335	355	375
280	355	375	395
300	375	395	415
320	395	415	435
340	415	435	455
360	435	455	
380	455		

ejotherm STR installation

Countersunk installation using EJOT STR principle with *ejotherm* STR cap



Surface fixed installation with *ejotherm* STR plug



Installation animation
EJOT STR principle