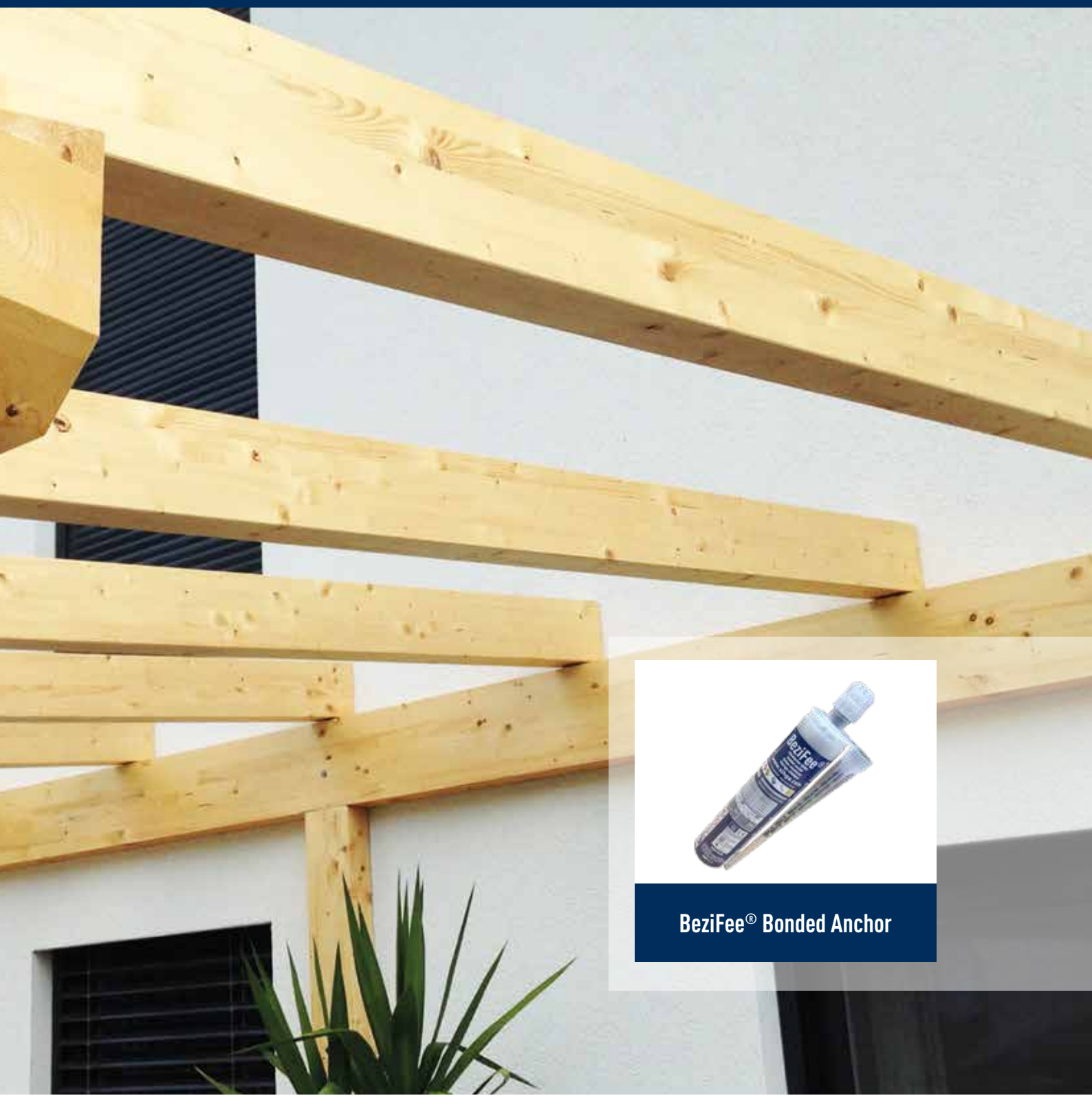
BeziFee®

SIHGA

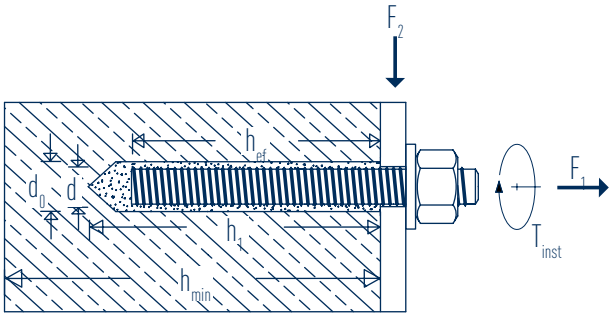


BeziFee® Bonded Anchor

ETA 17/0181

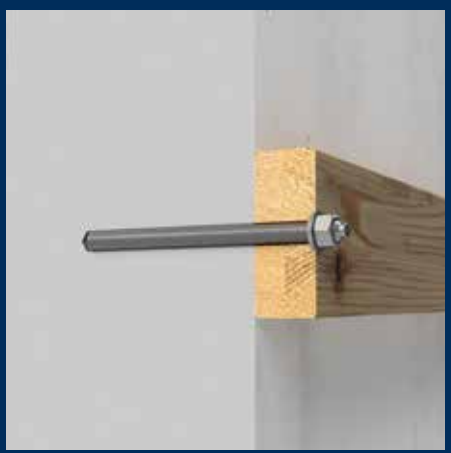
ETA 17/0182
Option 1

SIHGA® Feature	YOUR Benefit
2 component injection adhesive system for secure attachment of threaded and anchor rods	approved product for cracked and non-cracked concrete, brick and stone
certified for extensive use	low storage costs, only one product
useable under water and waterproof when installed	no restrictions on applicability, even with seismic loading (performance category C1)
does not contain any harmful styrene and is free from VOC (volatile organic compounds)	even useable in the drinking water sector and no biting odour during processing
fire resistance F120	incombustible (class A1)
static mixer for mixing the two components and extension pipe for thermal insulation contain	practical accessories directly on the construction site, commercialcartridge gun can be used
high rated values, also near the edge	easy to read carrying capacity - for special applications SIHGA® can perform the sizing for you
case with static mixer, hand pump, wire brush, extension tube and sieve sleeve	use accessories directly on the construction site using a practical case



montagepack		SIHGA®	Dimension
Art. No.	PU		ml
41706	2	BeziFee®	300





SIHGA® TIP:

Observe processing temperature of +5 °C to +30 °C.

ETA 17/0181

ETA 17/0182 Option 1

SIHGA®	BeziFee®		Threaded Rod in Concrete							
threaded rod	d	[-]	M 8	M 10	M 12	M 16	M 20	M 24	M 27	M 30
concrete drilling diameter	d_o	[mm]	10	12	14	18	22	26	30	35
min. edge distance without load influence	c_{min}	[mm]	h_{ef} / 2							
min. centre distance without load influence	s_{min}	[mm]	h_{ef} / 2							
min. concrete thickness	h_{min}	[mm]	h_{ef} + 30 ≥ 100				h_{ef} + $2d_0$			
max. tightening torque	T_{inst}	[Nm]	10	20	40	80	150	200	240	275
effective anchoring depth	$h_{ef,min}$	[mm]	64	80	96	128	160	192	216	240
	$h_{ef,max}$	[mm]	160	200	240	320	400	480	540	600
standard anchoring depth	$h_{ef,s}$	[mm]	80	90	110	128	170	210	240	270
non-cracked concrete										
recommended tensile strength with $h_{ef,s}$	F_1	[kN]	8,5	14,9	21,9	32,2	50,4	70,4	63,0	66,6
recommended shear resistance with $h_{ef,s}$	F_2	[kN]	6,5	10,4	15,1	28,7	44,8	64,5	85,1	103,4
cracked concrete										
recommended tensile strength with $h_{ef,s}$	F_1	[kN]	-	-	10,4	16,1	26,7	39,6	-	-
recommended shear resistance with $h_{ef,s}$	F_2	[kN]	-	-	15,1	28,7	44,8	64,5	-	-

ETAG 0012010 C - Design method for anchorages in concrete / Safety concept 3.2
Recommended loads of a single anchor in dry and damp concrete C 20/25, normal reinforced, without edge influence:
Temperature range (–40 °C to + 40 °C); Cross bearing capability with steel 5.8
For other applications see ETA 17/0182 and 17/0181

Brick			M 8	M 10	M 12
perforated casing		[-]	16 x 85	16 x 85	20 x 85
brick drilling diameter	d_o	[mm]	16		20
borehole depth	h_1	[mm]	90		
effective anchoring depth	h_{ef}	[mm]	85		
max. tightening torque	T_{inst}	[Nm]	2		
recommended load capacity stone 1*	$F_1 = F_2$	[kN]	0,80	0,80	1,00
recommended load capacity stone 2*	$F_1 = F_2$	[kN]	0,36	0,48	0,60

* recommended loads of a single anchor without edge influence
The load-bearing capacity of other stones may be determined by on-site tests in accordance with ETAG 029 appendix B

Type of Bricks	Min. Thickness	Min. Compressive Strength	Min. Horizontal Centre Distance	Min. Vertical Centre Distance	Min. Edge Distance
	ρ [kg/dm³]	fb [N/mm²]	$s_{min,II}$ [mm]	$s_{min,n}$ [mm]	c_{min} [mm]
stone no. 1: Porotherm P+W	0,9	12	373	238	120
stone no. 2: Hueco Doble	0,74	2,5	245	110	120

ETA 17/0181 ETA 17/0182 Option 1

BeziFee® Equipment

	SIHGA® Feature	YOUR Benefit
	**BeziFee® Wire Brush**	
	∅ 18 mm	for dust-free boreholes
	**BeziFee® Sieve Sleeve long**	
	sieve sleeve for perforated bricks	cut to length according to individual requirements
	∅ 22, length 1000 mm	for M 12 - M 16
	**BesiFee® Sieve Sleeve short**	
	∅ 20, length 85 mm, for M 12	sieve sleeve with stop for perforated bricks
	**BeziFee® Hand Pump**	
	hand pump 750 ml for dust-free boreholes	secure hold in bore-hole
	**BeziFee® Statik Mixer**	
	suitable mixer	for mixing the components
	BeziFee® Extension Tube	
	∅ 10, length 285 mm for deeper boreholes	for use with thermal insulation

ETA 17/0181

ETA 17/0182
Option 1