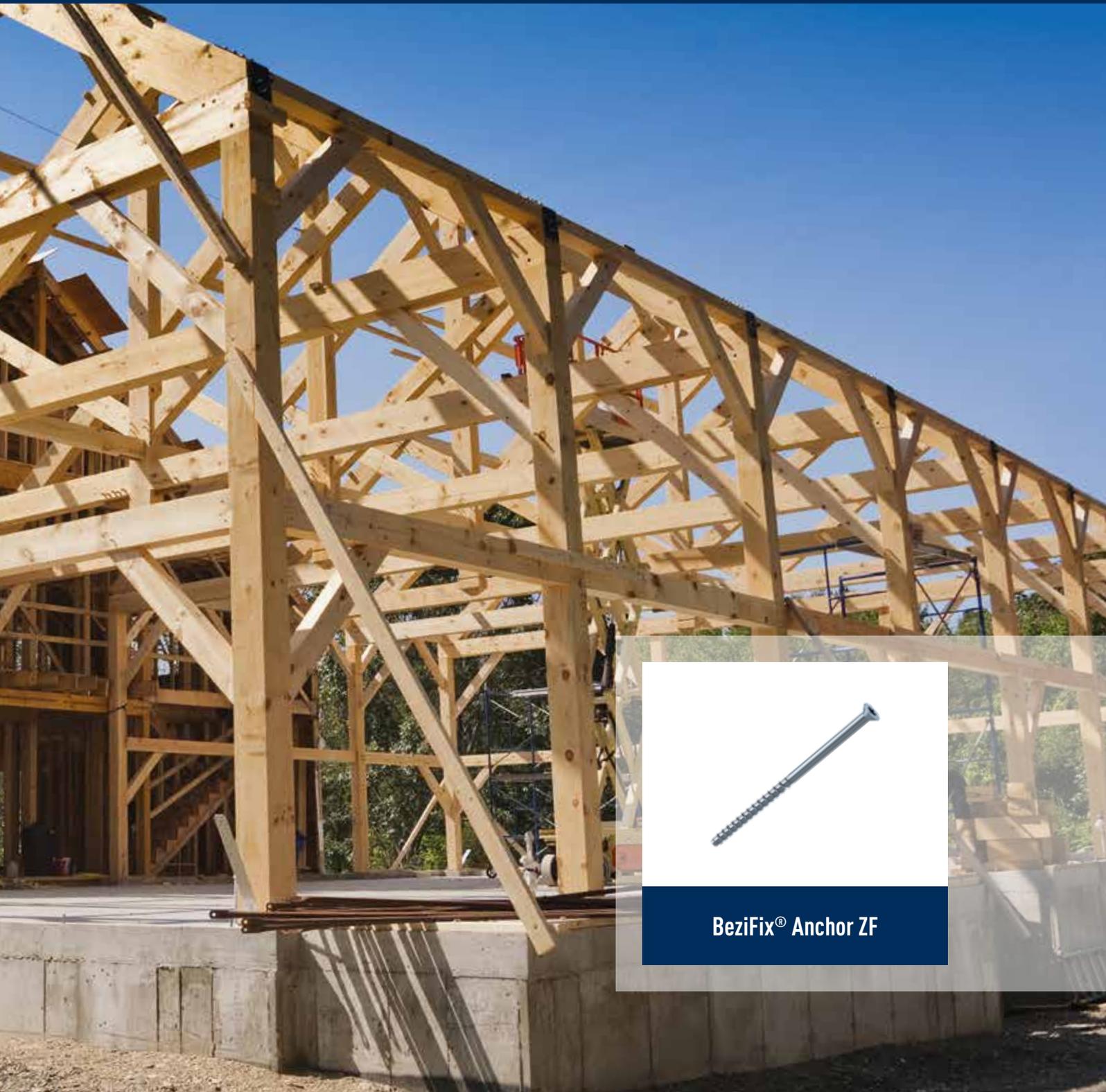


BeziFix[®] Anchor ZF/ZS/ZSS **SIHGA**



BeziFix[®] Anchor ZF

ETA-16/0889
Option 1



SIHGA® Feature

fastens in concrete without dowels

easy push-through installation

drill hole diameter smaller than with expansion anchors

sawtooth thread in the front area

just tighten by hand to achieve the full load-bearing capacity

approved with grades C 20/25 to C 50/60 in cracked and non-cracked concrete

includes installation instructions and Stabebo® SDS drill with four-edged geometry specially for reinforced concrete

design values

YOUR Benefit

optimal for fastening close to edges, no splitting effect

saves a great deal of time because the BeziFix® Anchor ZF/ZS/ZSS is only pushed through the part to be anchored

also saves lots of installation time

makes it easy to screw into the pre-drilled concrete

does not need a torque wrench

there are few restrictions on the application, gives security

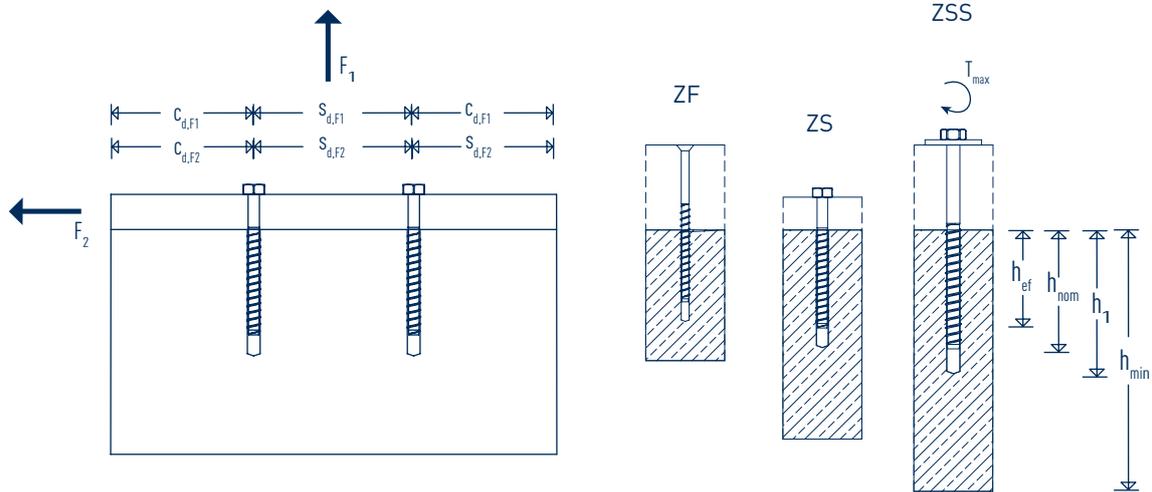
time-saving, practical, precise, complete accessories enclosed

SIHGA® performs the calculation for you



SIHGA® TIP:

Ensure correct drill diameter and drill quality, the drill is therefore enclosed.



SIHGA®	BeziFix® Anchor	ZF	ZS	ZSS	
coating		SC 12	SC 12	SC 4	
diameter	∅	[mm]	7.5	10.5	12.5
screw-in depth	h_{nom}	[mm]	55	75	95
effective anchoring depth	h_{ef}	[mm]	41	55	71
drill diameter - concrete	d_o	[mm]	6.0	9.0	10.0
drilled hole depth	h_1	[mm]	70	90	110
min. concrete thickness	h_{min}	[mm]	100	160	200
max. tightening torque ⁴⁾	T_{max}	[Nm]	250	450	450
min. edge and axial distances without load influence		[mm]	40	55	65
recommended tensile capacity F_1 per anchor without edge influence, with edge distance $c \geq 1.2 \times C_{Cr.sp}$ (per ETA) and axial distance $s \geq 3 \times h_{ef}$					
uncracked concrete min. C20/25	F_1	[kN]	2.9 ¹⁾	3.3 ²⁾	13.9 ²⁾
cracked concrete min. C20/25	F_1	[kN]	1.4 ¹⁾	1.7 ²⁾	6.7 ²⁾
recommended edge distance	$C_{d,F1}$	[mm]	90	120	168
recommended axial distance	$S_{d,F1}$	[mm]	123	165	213
recommended lateral capacity F_2 per anchor without edge influence, with edge distance $c \geq 10 \times h_{ef}$ and axial distance $s \geq 3 \times h_{ef}$					
concrete min. C 20/25	F_2	[kN]	7.6 ³⁾	14.9 ³⁾	23.1 ³⁾
recommended edge distance	$C_{d,F2}$	[mm]	410	550	710
recommended axial distance	$S_{d,F2}$	[mm]	123	165	213

¹⁾ low installation safety $\gamma_2 = 1.4$; ETAG 001 2010 annex C

²⁾ normal installation safety $\gamma_2 = 1.2$; ETAG 001 2010 annex C

³⁾ high installation safety $\gamma_2 = 1.0$; ETAG 001 2010 annex C

⁴⁾ setting tool: Tangential impact wrench, max. power rating T_{max} per manufacturer's instructions

ETAG 001 2010 Annex C – dimensioning of metal anchors for use in concrete / safety concept 3.2.3.1 and 3.2.3.2

Recommended loads for single anchor in concrete C 20/25, standard reinforcement - in compliance with AD (thickness add-on part) and edge distances as indicated



SIHGA® TIP:

Tangential impact wrench recommended for processing.

SIHGA® Feature

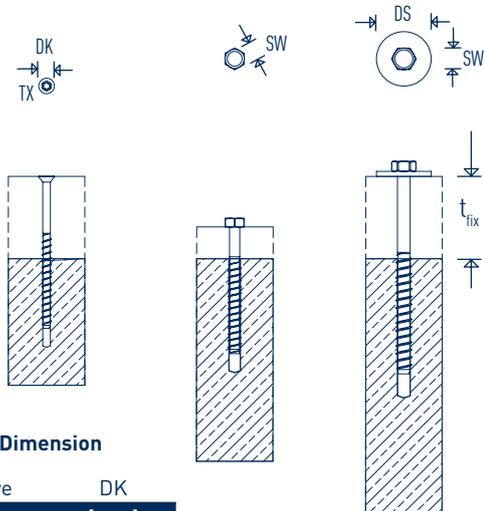
YOUR Benefit

design values

SIHGA® performs the calculation for you

BeziFix® Anchor ZF with counter-sunk head and Torx drive, BeziFix® Anchor ZS with hex head, BeziFix® Anchor ZSS with hex head and washer DIN 440

ensures optimum force transfer when screwed in



SIHGA®		Dimension	Installation Part Thickness	Dimension	
montagepack	PU	BeziFix® Anchor ZF	t_{fix}	Drive	DK
Art. No.	PU	d1 x L	[mm]	TX	[mm]
41306	100	7.5 x 40	5	40	13
41316	100	7.5 x 60	5	40	13
41326	100	7.5 x 80	25	40	13
41336	100	7.5 x 100	45	40	13
41346	100	7.5 x 120	65	40	13
41356	100	7.5 x 140	85	40	13
41366	100	7.5 x 160	105	40	13

montagepack		BeziFix® Anchor ZS	t_{fix}	SW
Art. No.	PU	d1 x L	[mm]	[mm]
41506	50	10.5 x 60	5	15
41516	50	10.5 x 80	5	15
41526	50	10.5 x 100	25	15
41536	50	10.5 x 120	45	15
41546	50	10.5 x 140	65	15
41556	50	10.5 x 160	85	15

montagepack		BeziFix® Anchor ZSS	t_{fix}	SW	DS
Art. No.	PU	d1 x L	[mm]	[mm]	[mm]
41816	30	12.5 x 100	5	17	44
41826	30	12.5 x 120	25	17	44
41836	30	12.5 x 140	45	17	44
41846	30	12.5 x 160	65	17	44
41856	30	12.5 x 180	85	17	44
41866	30	12.5 x 200	105	17	44
41876	30	12.5 x 240	145	17	44
41886	30	12.5 x 280	185	17	44
41896	30	12.5 x 320	225	17	44