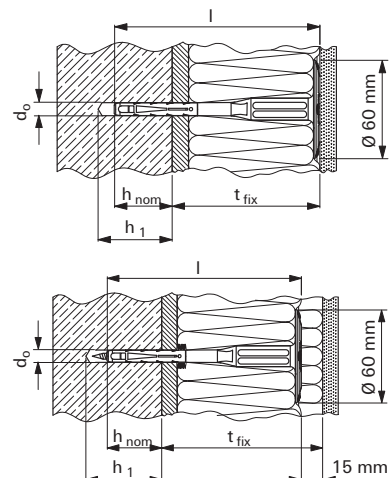


**TECHNICAL DATA**



Item	Art.-No.	Approval ETA	Drill diameter	Fixing length	Effect. ancho- rage depth	Min. drill hole depth at surface-flush installation	Max. usable length at surface-flush installation	Min. drill hole depth at countersunk installation	Max. usable length at countersunk installation	Drive	Sales unit [pcs]
			d <sub>0</sub> [mm]	l [mm]	h <sub>nom</sub> [mm]	h <sub>1</sub> [mm]	t <sub>fix</sub> [mm]	h <sub>1</sub> [mm]	t <sub>fix</sub> [mm]		
termoz CS 8/110	531960 <sup>1)</sup>	■	8	108	35	45	70	-	-	T30	100
termoz CS 8/130	531970	■	8	128	35	45	90	60	90	T30	100
termoz CS 8/150	531974	■	8	148	35	45	110	60	110	T30	100
termoz CS 8/170	531976	■	8	168	35	45	130	60	130	T30	100
termoz CS 8/190	531978	■	8	188	35	45	150	60	150	T30	100
termoz CS 8/210	531982	■	8	208	35	45	170	60	170	T30	100
termoz CS 8/230	531984	■	8	228	35	45	190	60	190	T30	100
termoz CS 8/250	531987	■	8	248	35	45	210	60	210	T25	100
termoz CS 8/250 R	531989 <sup>2)</sup>	■	8	248	35	45	210	60	210	T25	100
termoz CS 8/270	531991	■	8	268	35	45	230	60	230	T25	100
termoz CS 8/270 R	531993 <sup>2)</sup>	■	8	268	35	45	230	60	230	T25	100
termoz CS 8/290	531995	■	8	288	35	45	250	60	250	T25	100
termoz CS 8/290 R	531997 <sup>2)</sup>	■	8	288	35	45	250	60	250	T25	100
termoz CS 8/310	532000	■	8	308	35	45	270	60	270	T25	100
termoz CS 8/310 R	532003 <sup>2)</sup>	■	8	308	35	45	270	60	270	T25	100
termoz CS 8/330	532006	■	8	328	35	45	290	60	290	T25	100
termoz CS 8/350	532008	■	8	348	35	45	310	60	310	T25	100
termoz CS 8/370	532011	■	8	368	35	45	330	60	330	T25	100
termoz CS 8/390	532014	■	8	388	35	45	350	60	350	T25	100

1) Not for countersunk mounting

2) R = version with slim shaft, to set with Bit T 25, Art.-No. 533762

from length 250 mm Bit T 25, Art.-No. 533763, is required

### LOADS

#### termoz CS 8<sup>3)</sup>

Highest permissible loads for a single anchor<sup>1) 4)</sup> for multiple use for non-structural applications.  
For the design the complete assessment ETA-14/0372 has to be considered.

Type	Brick raw density $\rho$ [kg/dm <sup>3</sup> ]	min. compressive brick strength $f_b$ [N/mm <sup>2</sup> ]	min. embedment depth $h_{nom}$ [mm]	min. member thickness $h_{min}$ [mm]	Concrete and masonry		
					permissible tensile load <sup>3)</sup> $N_{perm}$ [kN]	min. spacing <sup>2)</sup> $s_{min}$ [mm]	min. edge distance <sup>2)</sup> $c_{min}$ [mm]
<b>Concrete</b>							
CS 8	C12/15 - C45/55		35 <sup>6)</sup>	100	0,40	100	100
	C50/60				0,50		
<b>Weather shell</b>							
CS 8	C20/25 - C45/55		35 <sup>6) 5)</sup>	42	0,40	100	100
	C50/60				0,50		
<b>Solid Clay bricks e.g. acc. to DIN 105-100:2012-01, EN 771-1:2011, Mz</b>							
CS 8	$\geq 1,8$	20	35 <sup>6)</sup>	100	0,50	100	100
<b>Calcium silicate solid bricks, e.g. acc. to DIN V 106:2005-10, EN 771-2:2011, KS</b>							
CS 8	$\geq 1,8$	20	35 <sup>6)</sup>	100	0,50	100	100
		12			0,30		
<b>Solid lightweight concrete block, e.g. acc. to DIN V 18152-100:2005-10 EN 771-3:2011 Vbl</b>							
CS 8	$\geq 1,4$	8	35 <sup>6)</sup>	100	0,17	100	100
<b>Solid concrete block, e.g. acc. to DIN V 18152-100:2005-10 EN 771-3:2011, Vbn</b>							
CS 8	$\geq 2,0$	20	35 <sup>6)</sup>	100	0,40	100	100
		12			0,25		
<b>Vertically perforated clay bricks e.g. acc. to DIN 105-100:2012-01, EN 771-1:2011, HLz</b>							
CS 8	$\geq 1,0$	12	35 <sup>7) 8)</sup>	100	0,20	100	100
	$\geq 1,6$	48			0,50		
<b>Hollow calcium silicate brick, acc. to DIN V 106:2005-10, EN 771-2:2011, KSL</b>							
CS 8	$\geq 1,4$	20	35 <sup>7) 8)</sup>	100	0,30	100	100
		12			0,17		
<b>Hollow brick light-weight concrete, e.g. acc. to DIN V 18153-100: 2005-10, EN 771-3:2011 Hbl</b>							
CS 8	$\geq 0,9$	4	35 <sup>6) 8)</sup>	100	0,17	100	100
<b>Hollow brick concrete, e.g. acc. to DIN V 18153-100: 2005-10, EN 771-3:2011 Hbn</b>							
CS 8	$\geq 1,2$	10	35 <sup>6) 8)</sup>	100	0,40	100	100
		8			0,30		
		6			0,25		
		4			0,17		
<b>Lightweight Aggregate Concrete acc. to DIN EN 1520, LAC</b>							
CS 8	$\geq 0,9$	6	35 <sup>6)</sup>	100	0,25	100	100
<b>Autoclaved aerated concrete blocks, e.g. AAC acc. to DIN V 4165-100:2005-10, EN 771-4</b>							
CS 8	$\geq 0,5$	4	35 <sup>7)</sup>	100	0,10	100	100
		4	55 <sup>7)</sup>		0,20		

<sup>1)</sup> The partial safety factors for material resistance as regulated in the assessment as well as a partial safety factor for load actions of  $\gamma_F = 1,5$  are considered.

<sup>2)</sup> Minimum possible axial spacings resp. edge distances acc. Assessment.

<sup>3)</sup> Plastic anchor for fixing of external thermal insulation composite systems with rendering acc. ETAG014. Only tensile wind loads are permitted.

<sup>4)</sup> The given loads are valid for installation and use of fixations in dry masonry for temperatures in the substrate up to +24 °C (resp. short term up to 40 °C).

<sup>5)</sup> Embedment depth permitted up to 45 mm.

<sup>6)</sup> Hammer drilling

<sup>7)</sup> Rotary drilling

<sup>8)</sup> In masonry of the building material class C an embedment depth of  $h_{nom} = 25$  mm is possible with the same loads than with 35 mm embedment depth.