

TOGE TSM PB

Aerated concrete screw for easy installation - even without pre-drilling

Fast and easy installation

Installation possible with and also without pre-drilling.



High service loads

High recommended loads for various aerated concrete strengths.

Approval

Base Material

Aerated concrete

Headshapes & Materials

Steel,
zinc-plated

Steel,
zinc flake-
coated

Steel,
stainless A4



Version with hexagonal head and pressed on washer



Version with countersunk head and torx drive



Version with panhead and multipoint drive



Application Examples



Fastening wall cabinets

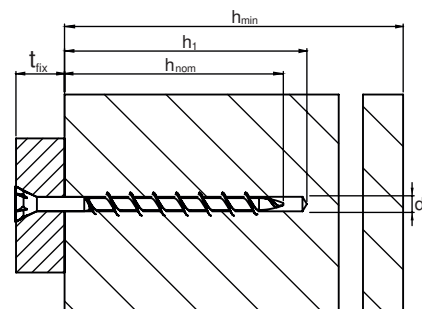
Product Overview

Steel - zinc-plated

Version with hexagonal head and pressed on washer



Size 10
Disc-Ø 16,0 mm



Item nr.	Designation	Embedment depth of anchor h_{nom}	Max. thickness of fixture t_{fix}	Packing unit
230 101 102	TSM PB 10x110 SW10	100mm	10mm	100
230 101 602	TSM PB 10x160 SW10	100mm	60mm	100

Version with countersunk head and torx drive



Size 8
Head-Ø 12,0 mm

10
14,0 mm

Item nr.	Designation	Embedment depth of anchor h_{nom}	Max. thickness of fixture t_{fix}	Packing unit
230 081 100	TSM PB 8x110 SeKo VZ25	80 mm	30 mm	100
230 101 100	TSM PB 10x110 SeKo VZ30	100 mm	10 mm	100
230 101 600	TSM PB 10x160 SeKo VZ30	100 mm	60 mm	100

Version with panhead and multipoint drive



Size 8
Head-Ø 12,0 mm

Item nr.	Designation	Embedment depth of anchor h_{nom}	Max. thickness of fixture t_{fix}	Packing unit
230 080 801	TSM PB 8x80 LiKo VZ30	80 mm	-	100
230 081 001	TSM PB 8x100 LiKo VZ30	80 mm	20 mm	100

Technical Data ¹⁾

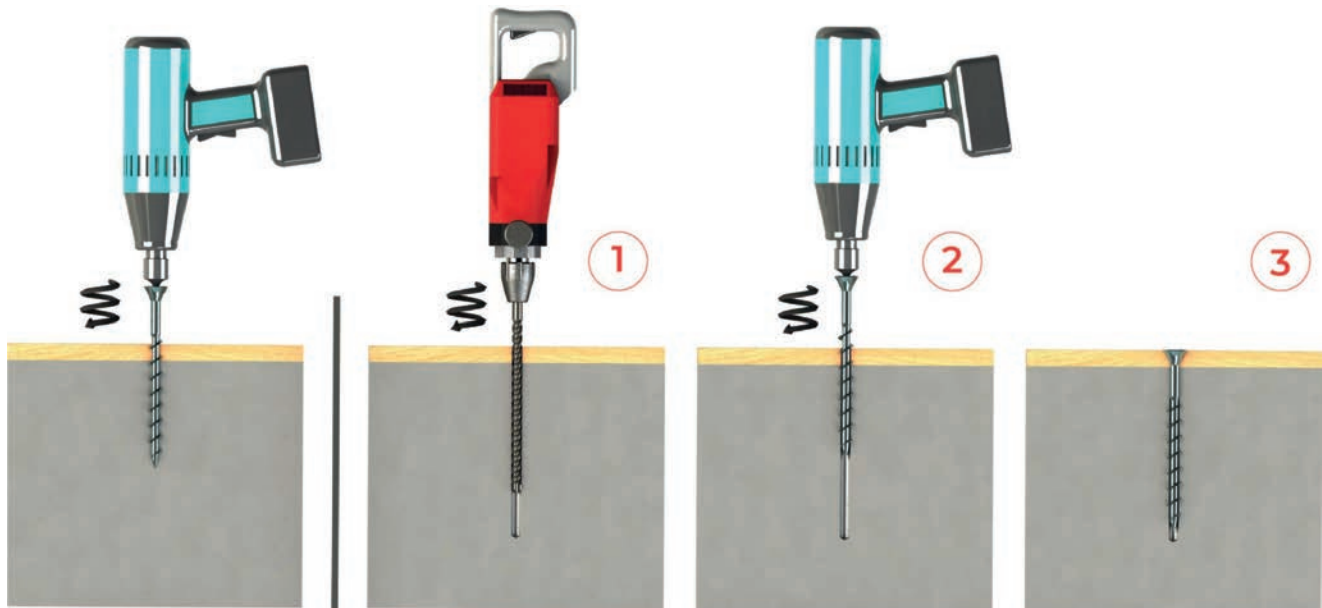
Without fire exposure, Steel

Screw size TSM PB			8	10
Drill bit diameter	d_0	[mm]	0/4	0/4
Depth of drill hole	$\geq h_1$	[mm]	0/40	0/50
Embedment depth of anchor	$\geq h_{nom}$	[mm]	80	100
Recommended load for PP2 -0,50 ²⁾	$F_{empf.}$	[kN]	0,34	0,47
Recommended load for PP4 -0,65 ²⁾	$F_{empf.}$	[kN]	0,68	0,92
Recommended load for PP6 -0,80 ²⁾	$F_{empf.}$	[kN]	0,99	x
Recommended load for PP3,3 -0,60 ²⁾	$F_{empf.}$	[kN]	x	0,94
Recommended load for PP4,4 -0,70 ²⁾	$F_{empf.}$	[kN]	x	0,90
Diameter of clearing hole in the fixture	d	[mm]	9,0	10,0
Installation torque	T_{inst}	[Nm]	8	12

¹⁾ All specified values apply for installation with pre-drilled hole!

²⁾ The partial safety factor $\gamma=5$ was considered for determining the load.

Installation Instructions



Direct installation

Installation with pre-drilling: Achieves greater load capacity

Direct Installation

Screw in without predrilling.

Installation with pre-drilling

- 1) Create drill hole
- 2) Screw in the screw.
- 3) The screw head must rest completely on the attachment part.