

# Through bolt S-KAH 8/10 DIN9021 A4

SORMAT CODE 9640005212

## Premium-quality through bolts for fixing in non-cracked and cracked concrete

- Torque-controlled expansion anchors for pre-, push-through and distance installations.
- When torque is applied the expansion clip expands developing frictional grip with the drill hole walls.
- Anchor diameter and max. fixture thickness marked on the body.
- The use of S-KA setting tool makes serial installation safer and quicker.
- A4 for indoor, outdoor and industrial use.

## APPLICATIONS

- Steel structures
- Column base plates
- Seatings
- Barriers
- Cable racks
- Handrails
- Ladders
- Façade systems

## APPROVALS / CERTIFICATES



ETA-08/0173 + DoPs



Fire resistance (ETA-08/0173)



0809-CPR-1078



Seismic resistance (ETA-08/0173)

## Technical data

### INSTALLATION DETAILS

- Jul 28, '21 03:13 02:13:20

## PRODUCT OVERVIEW

<b>Other codes</b>	/
<b>Material</b>	Stainless steel, A4
<b>Packages</b>	box (bag): 50 / outer carton: 250 / pallet: 14000
<b>Weight</b>	33.3 kg / 1000

## BASE MATERIALS

### APPROVED FOR

- Cracked concrete
- Non-cracked concrete

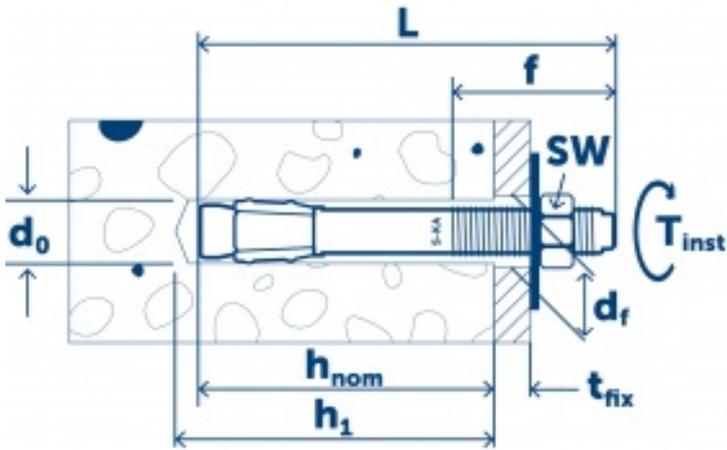
### ALSO SUITABLE FOR

- Natural stone
- Solid clay brick

### INSTALLATION DETAILS

**Size**  
**Length (L)**  
**Thread (f)**  
**Width across flats (SW)**  
**Max. fixture thickness ( $T_{fix}$ )**

M8	<b>Hole in fixture (<math>D_f</math>)</b>	9
72	<b>Drill hole diameter (<math>d_0</math>) <math>\varnothing</math></b>	8
32	<b>Minimum drill hole depth</b>	60
13	<b>Drill hole depth (<math>h_1</math>)</b>	60
10	<b>Nominal setting depth (<math>H_{nom}</math>)</b>	50
	<b>Effective setting depth (<math>H_{ef}</math>)</b>	45
	<b>Installation torque (<math>T_{inst}</math>)</b>	20



# Performance data

Base material	Load type	Embedment depth ( $h_{nom}$ )	Load direction	Load value
All <input type="text" value="All"/>				
Non-cracked concrete C20/25	$N_{Rec}$	50 mm		3.6 kN
Non-cracked concrete C20/25	$V_{Rec}$	50 mm		6.3 kN
Cracked concrete C20/25	$N_{Rec}$	50 mm		2.0 kN
Cracked concrete C20/25	$V_{Rec}$	50 mm		5.2 kN

# Installation

