

# Through bolt S-KAH+ 8/98/85 A4

SORMAT CODE 9640005316



## Improved premium-quality A4 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 thicknesses marked on the body. Anchor length letter code marked on the bolt head.
- M8, M10 and M12 have two different anchorage depths.
- The use of S-KA setting tool makes serial installation safer and quicker.
- Seismic performance category C1/C2 ( $h_{ef, std}$ ).
- A4 for indoor, outdoor and industrial use.

## PRODUCT OVERVIEW

<b>Other codes</b>	SNRO 1324125 / LVI 3253727
<b>Material</b>	Stainless steel, A4
<b>Packages</b>	box (bag): 40 / outer carton: 200 / pallet: 11200
<b>Weight</b>	0.0 kg / 1000
<b>GTIN-13</b>	6416031053160

## APPLICATIONS

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

## BASE MATERIALS

### APPROVED FOR

- Cracked concrete
- Non-cracked concrete

### ALSO SUITABLE FOR

- Natural stone

## APPROVALS / CERTIFICATES



ETA-16/0934 + DoPs



Fire resistance (ETA-16/0934)



0809-CPR-1252



Seismic resistance (ETA-16/0934\_M8)

# Technical data

## INSTALLATION DETAILS









Size	M8
Length (L)	150
Thread (f)	110
Width across flats (SW)	13
Max. fixture thickness (T <sub>fix</sub> )	98/85



## INSTALLATION DETAILS

Hole in fixture ( $D_f$ )	9
Drill hole diameter ( $d_0$ ) $\varnothing$	8
Minimum drill hole depth	47/60
Drill hole depth ( $h_1$ )	47/60
Nominal setting depth ( $H_{nom}$ )	40/53
Effective setting depth ( $H_{ef}$ )	35/48
Installation torque ( $T_{inst}$ )	20

Performance data

Base material	Load type	Embedment depth ( $h_{nom}$ )	Load direction	Load value
All				
Non-cracked concrete C20/25	$N_{Rec}$	40 mm		3.8 kN
Non-cracked concrete C20/25	$V_{Rec}$	40 mm		9.0 kN
Non-cracked concrete C20/25	$N_{Rec}$	53 mm		5.2 kN
Non-cracked concrete C20/25	$V_{Rec}$	53 mm		9.0 kN
Cracked concrete C20/25	$N_{Rec}$	40 mm		2.4 kN
Cracked concrete C20/25	$V_{Rec}$	40 mm		7.5 kN
Cracked concrete C20/25	$N_{Rec}$	53 mm		4.0 kN
Cracked concrete C20/25	$V_{Rec}$	53 mm		9.0 kN

Installation

