

# Through bolt S-KA+ 8/43/30 ZP

SORMAT CODE 9640001312



## Improved 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 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 ( $h_{ef, std}$ ).
- ZP for dry indoor use.

## PRODUCT OVERVIEW

|                    |                                                      |
|--------------------|------------------------------------------------------|
| <b>Other codes</b> | SNRO 1324069 / LVI 3253664                           |
| <b>Material</b>    | Steel, zinc plated                                   |
| <b>Packages</b>    | box (bag): 50 / outer<br>carton: 250 / pallet: 14000 |
| <b>Weight</b>      | 35.3 kg / 1000                                       |
| <b>GTIN-13</b>     | 6416031013126                                        |

## 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

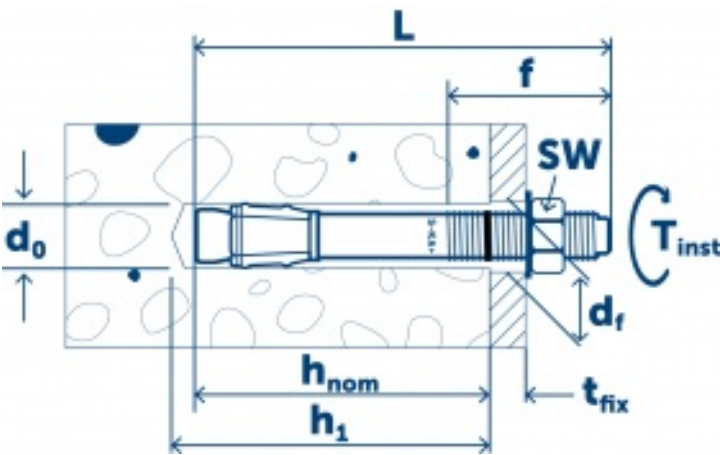


Seismic resistance (ETA-16/0934\_M8)

# Technical data

## INSTALLATION DETAILS

|                                            |       |
|--------------------------------------------|-------|
| Size                                       | M8    |
| Length (L)                                 | 95    |
| Thread (f)                                 | 55    |
| Width across flats (SW)                    | 13    |
| Max. fixture thickness (T <sub>fix</sub> ) | 43/30 |



## INSTALLATION DETAILS

|                                            |       |
|--------------------------------------------|-------|
| Hole in fixture (D <sub>f</sub> )          | 9     |
| Drill hole diameter (d <sub>0</sub> ) ∅    | 8     |
| Minimum drill hole depth                   | 47/60 |
| Drill hole depth (h <sub>1</sub> )         | 47/60 |
| Nominal setting depth (H <sub>nom</sub> )  | 40/53 |
| Effective setting depth (H <sub>ef</sub> ) | 35/48 |
| Installation torque (T <sub>inst</sub> )   | 15    |

# 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                         |  | 7.2 kN     |
| Non-cracked concrete C20/25 | $N_{Rec}$ | 53 mm                         |  | 5.2 kN     |
| Non-cracked concrete C20/25 | $V_{Rec}$ | 53 mm                         |  | 7.2 kN     |
| Cracked concrete C20/25     | $N_{Rec}$ | 40 mm                         |  | 2.4 kN     |
| Cracked concrete C20/25     | $V_{Rec}$ | 40 mm                         |  | 7.2 kN     |
| Cracked concrete C20/25     | $N_{Rec}$ | 53 mm                         |  | 4.0 kN     |
| Cracked concrete C20/25     | $V_{Rec}$ | 53 mm                         |  | 7.2 kN     |

# Installation

