

# Through bolt S-KA+ 12/10/- ZP

SORMAT CODE 9640001338



### Improved premium-quality through bolts for fixing in noncracked 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 (hef.std).
- ZP for dry indoor use.

#### PRODUCT OVERVIEW

Other codes
Material
Packages

Weight GTIN-13

SNRO 1324086 / LVI 3253673 Steel, zinc plated box (bag): 20 / outer carton: 100 / pallet: 5600 84.8 kg / 1000

6416031013386

#### **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)

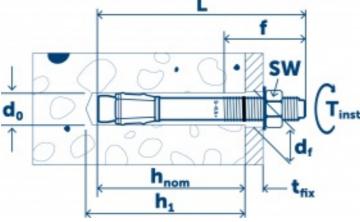


0809-CPR-1252

## Technical data

## **INSTALLATION DETAILS**

M12
88
38
19
10
-



## **INSTALLATION DETAILS**

Hole in fixture (D <sub>f</sub> )	14
Drill hole diameter (d₀) Ø	12
Minimum drill hole depth	70
Drill hole depth (h <sub>1</sub> )	70
Nominal setting depth (H <sub>nom</sub> )	61
Effective setting depth (H <sub>ef</sub> )	50
Installation torque (T <sub>inst</sub> )	60

## Performance data

Base material All	Load type	Embedment depth (h <sub>nom</sub> )	Load direction	Load value
Non-cracked concrete C20/25	N <sub>Rec</sub>	61 mm	) 	8.3 kN
Non-cracked concrete C20/25	V <sub>Rec</sub>	61 mm		17.1 kN
Cracked concrete C20/25	N <sub>Rec</sub>	61 mm	<del></del>	5.8 kN
Cracked concrete C20/25	V <sub>Rec</sub>	61 mm	<u> </u>	16.5 kN

## Installation

