

# Through bolt S-KA+ 8/23/10 ZP (3 DIY)

SORMAT CODE 9640094009



### 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 (h<sub>ef,std</sub>).
- ZP for dry indoor use.

#### PRODUCT OVERVIEW

Other codes

Material Packages

Weight GTIN-13

Steel, zinc plated

box (bag): 3 / outer carton: 30

29.7 kg / 1000 6416031940071

### **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

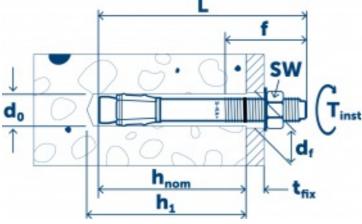


Seismic resistance (ETA-16/0934\_M8)

## Technical data

## INSTALLATION DETAILS

Size	M8
Length (L)	75
Thread (f)	35
Width across flats (SW)	13
Max. fixture thickness ( $T_{fix}$ )	23/10



## **INSTALLATION DETAILS**

Hole in fixture (D <sub>f</sub> )	9
Drill hole diameter (d₀) ∅	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 All	Load type	Embedment depth (h <sub>nom</sub> )	Load direction	Load value
Non-cracked concrete C20/25	N <sub>Rec</sub>	40 mm	<b>₩</b>	3.8 kN
Non-cracked concrete C20/25	V <sub>Rec</sub>	40 mm	<u> </u>	7.2 kN
Non-cracked concrete C20/25	N <sub>Rec</sub>	53 mm	<b>₩</b>	5.2 kN
Non-cracked concrete C20/25	V <sub>Rec</sub>	53 mm	<u> </u>	7.2 kN
Cracked concrete C20/25	N <sub>Rec</sub>	40 mm	) 	2.4 kN
Cracked concrete C20/25	V <sub>Rec</sub>	40 mm		7.2 kN
Cracked concrete C20/25	N <sub>Rec</sub>	53 mm	) <del>-</del> +	4.0 kN
Cracked concrete C20/25	V <sub>Rec</sub>	53 mm		7.2 kN

## Installation

