

# Through bolt S-KAK+ 8/23/10 HDG

SORMAT CODE 9640003310



## Improved premium-quality hdg 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.
- HDG for dry and humid indoor use, outdoor inland rural areas only.

## PRODUCT OVERVIEW

<b>Other codes</b>	SNRO 1324099 / LVI 3253684
<b>Material</b>	Steel, hot dip galvanized
<b>Packages</b>	box (bag): 50 / outer carton: 250 / pallet: 14000
<b>Weight</b>	30.6 kg / 1000
<b>GTIN-13</b>	6416031033100

## 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



0809-CPR-1252

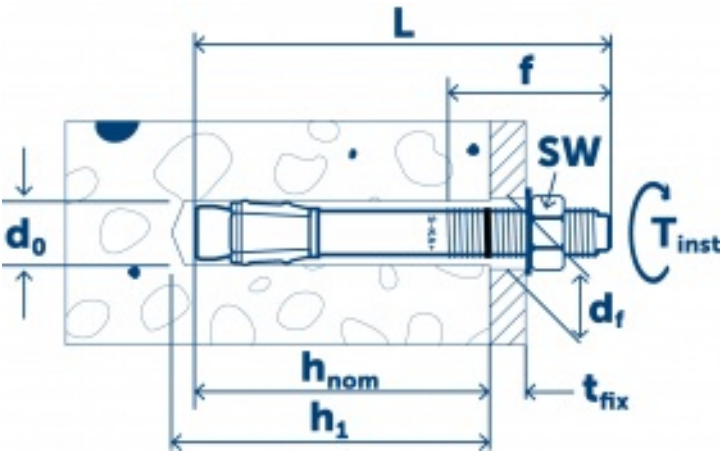


Fire resistance (ETA-16/0934)

Technical data

INSTALLATION DETAILS

Size	M8
Length (L)	75
Thread (f)	35
Width across flats (SW)	13
Max. fixture thickness (T <sub>fix</sub> )	23/10



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

