# SORMAT 🔁

# Through bolt S-KAK+ 16/5 HDG

SORMAT CODE 9640003357



# 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

Other codes Material Packages Weight GTIN-13

SNRO 1324116 / LVI 3253720 Steel, hot dip galvanized box (bag): 10 / outer carton: 50 / pallet: 2800 204.6 kg / 1000 6416031033575

#### **APPLICATIONS**

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

## APPROVALS / CERTIFICATES



ETA-16/0934 + DoPs



## BASE MATERIALS

#### APPROVED FOR

- Cracked concrete
- Non-cracked concrete

#### ALSO SUITABLE FOR

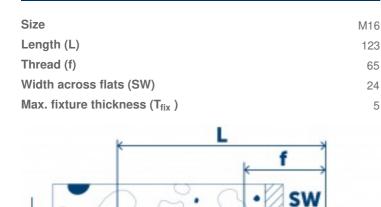
Natural stone



# Technical data

d<sub>o</sub>

### INSTALLATION DETAILS



h<sub>nom</sub>

h<sub>1</sub>

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### INSTALLATION DETAILS

Tinst

d,

C<sub>fix</sub>

6	Hole in fixture (D <sub>f</sub> )	18
3	Drill hole diameter (d <sub>0</sub> ) ø	16
5	Minimum drill hole depth	110
1	Drill hole depth (h <sub>1</sub> )	110
5	Nominal setting depth (H <sub>nom</sub> )	97
	Effective setting depth (H <sub>ef</sub> )	85
	Installation torque (T <sub>inst</sub> )	110

- Nov 16, '23 21:13 19:13:57

## 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>	97 mm	····	17.1 kN
Non-cracked concrete C20/25	V <sub>Rec</sub>	97 mm	×	30.9 kN
Cracked concrete C20/25	N <sub>Rec</sub>	97 mm	) 	11.4 kN
Cracked concrete C20/25	V <sub>Rec</sub>	97 mm		30.9 kN

# Installation

