

# Through bolt S-KA 16X90 ZP

SORMAT CODE 9640000169



## 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 thickness marked on the body.
- The use of S-KA setting tool makes serial installation safer and quicker.
- ZP for dry indoor and temporary outdoor use.

## APPLICATIONS

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

## APPROVALS / CERTIFICATES



TC 6236-21

## Technical data

### INSTALLATION DETAILS

Size	M16
Length (L)	90
Thread (f)	43

### PRODUCT OVERVIEW

Other codes	SNRO 1356653 /
Material	Steel, zinc plated
Packages	box (bag): 10 / outer carton: 50 / pallet: 2800
Weight	159.4 kg / 1000

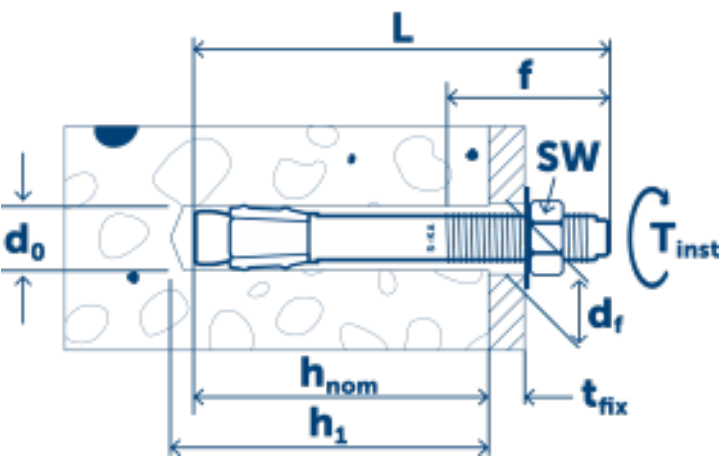
### BASE MATERIALS

- ALSO SUITABLE FOR
- Natural stone
  - Non-cracked concrete

### INSTALLATION DETAILS



Hole in fixture (D <sub>f</sub> )	18
Drill hole diameter (d <sub>0</sub> ) Ø	16
Minimum drill hole depth	80

Width across flats (SW)  
Max. fixture thickness ( $T_{fix}$ )



24	Drill hole depth ( $h_1$ )	80
3	Nominal setting depth ( $H_{nom}$ )	70
	Effective setting depth ( $H_{ef}$ )	60
	Installation torque ( $T_{inst}$ )	100

# Performance data

Base material	Load type	Embedment depth ( $h_{nom}$ )	Load direction	Load value
Non-cracked concrete C20/25	$N_{Rec}$	70 mm		9.9 kN
Non-cracked concrete C20/25	$V_{Rec}$	70 mm		21.8 kN

# Installation

