

Through bolt S-KA+ 16/5 ZP

SORMAT CODE 9640001357

Improved 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 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 ($h_{ef, std}$).
- ZP for dry indoor use.

APPLICATIONS

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

APPROVALS / CERTIFICATES



ETA-16/0934 + DoPs



Fire resistance (ETA-16/0934)



0809-CPR-1252



Seismic resistance (ETA-16/0934)

PRODUCT OVERVIEW

Other codes	SNRO 1324094 / LVI 3253680
Material	Steel, zinc plated
Packages	box (bag): 10 / outer carton: 50 / pallet: 2800
Weight	201.8 kg / 1000
GTIN-13	6416031013577

BASE MATERIALS

APPROVED FOR

- Cracked concrete
- Non-cracked concrete

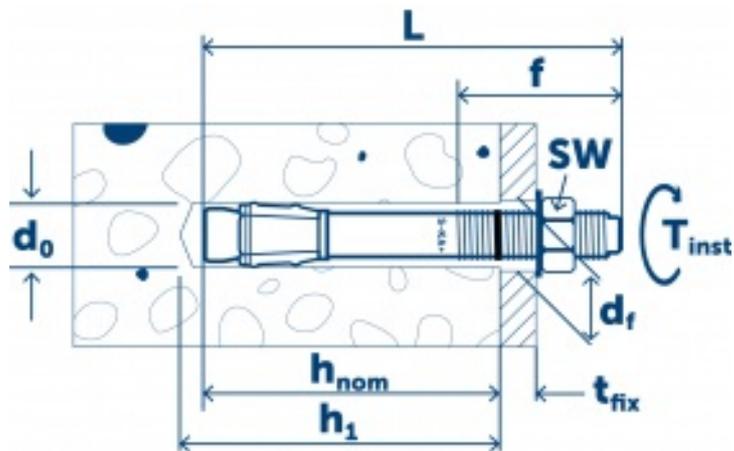
ALSO SUITABLE FOR

- Natural stone

Technical data

INSTALLATION DETAILS

Size
Length (L)
Thread (f)
Width across flats (SW)
Max. fixture thickness (T_{fix})



INSTALLATION DETAILS

M16	Hole in fixture (D_f)	18
123	Drill hole diameter (d_0) \varnothing	16
65	Minimum drill hole depth	110
24	Drill hole depth (h_1)	110
5	Nominal setting depth (H_{nom})	97
	Effective setting depth (H_{ef})	85
	Installation torque (T_{inst})	110

Performance data

Base material	Load type	Embedment depth (h_{nom})	Load direction	Load value
All <input type="text" value="All"/>				
Non-cracked concrete C20/25	N_{Rec}	97 mm		17.1 kN
Non-cracked concrete C20/25	V_{Rec}	97 mm		30.9 kN
Cracked concrete C20/25	N_{Rec}	97 mm		11.4 kN
Cracked concrete C20/25	V_{Rec}	97 mm		30.9 kN

Installation

