

Through bolt S-KA+ 16/50 ZP (1 DIY)

SORMAT CODE 9640094047



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.

PRODUCT OVERVIEW

Other codes	/
Material	Steel, zinc plated
Packages	box (bag): 1 / outer carton: 5
Weight	259.8 kg / 1000
GTIN-13	6416031940477

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)

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
168	Drill hole diameter (d ₀) ∅	16
110	Minimum drill hole depth	110
24	Drill hole depth (h ₁)	110
50	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				
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

