Through bolt S-KA+ 16/60 ZP

SORMAT CODE 9640001363

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	SNRO 1324097 / LVI 3253683
Material	Steel, zinc plated
Packages	box (bag): 10 / outer carton: 50 / pallet: 2800
Weight	275.3 kg / 1000
GTIN-13	6416031013638

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

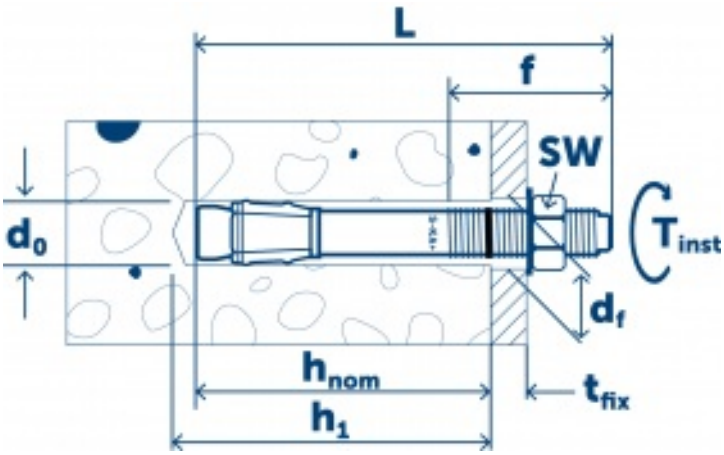
Fire resistance (ETA-16/0934)

Seismic resistance (ETA-16/0934)

Technical data

INSTALLATION DETAILS

Size	M16
Length (L)	178
Thread (f)	115
Width across flats (SW)	24
Max. fixture thickness (T_{fix})	60



INSTALLATION DETAILS

Hole in fixture (D_f)	18
Drill hole diameter (d_0) ⌀	16
Minimum drill hole depth	110
Drill hole depth (h_1)	110
Nominal setting depth (H_{nom})	97
Effective setting depth (H_{ef})	85
Installation torque (T_{inst})	110

Performance data

Base material: All	Load type	Embedment depth (h_{nom})	Load direction	Load value
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