

Through bolt S-KA+ 12/40/20 ZP

SORMAT CODE 9640001342



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 1324088 / LVI 3253675
Material	Steel, zinc plated
Packages	box (bag): 20 / outer carton: 100 / pallet: 5600
Weight	106.1 kg / 1000
GTIN-13	6416031013423

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

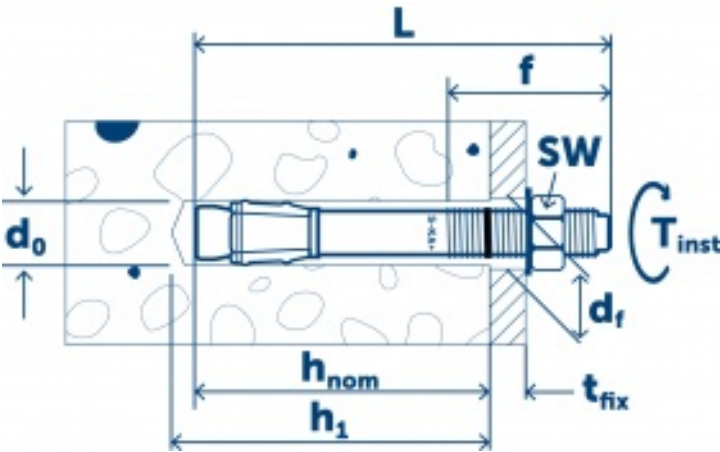


Seismic resistance (ETA-16/0934)

Technical data

INSTALLATION DETAILS

Size	M12
Length (L)	118
Thread (f)	68
Width across flats (SW)	19
Max. fixture thickness (T _{fix})	40/20



INSTALLATION DETAILS

Hole in fixture (D _f)	14
Drill hole diameter (d ₀) ∅	12
Minimum drill hole depth	70/90
Drill hole depth (h ₁)	70/90
Nominal setting depth (H _{nom})	61/81
Effective setting depth (H _{ef})	50/70
Installation torque (T _{inst})	60

Performance data

Base material	Load type	Embedment depth (h_{nom})	Load direction	Load value
All				
Non-cracked concrete C20/25	N_{Rec}	61 mm		8.3 kN
Non-cracked concrete C20/25	V_{Rec}	61 mm		17.1 kN
Non-cracked concrete C20/25	N_{Rec}	81 mm		11.9 kN
Non-cracked concrete C20/25	V_{Rec}	81 mm		17.1 kN
Cracked concrete C20/25	N_{Rec}	61 mm		5.8 kN
Cracked concrete C20/25	V_{Rec}	61 mm		16.5 kN
Cracked concrete C20/25	N_{Rec}	81 mm		7.6 kN
Cracked concrete C20/25	V_{Rec}	81 mm		17.1 kN

Installation

