

Through bolt S-KA+ 10/10/- ZP

SORMAT CODE 9640001323

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

PRODUCT OVERVIEW

Other codes	SNRO 1324075 / LVI 3253667
Material	Steel, zinc plated
Packages	box (bag): 40 / outer carton: 200 / pallet: 11200
Weight	49.4 kg / 1000
GTIN-13	6416031013232

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

M10	Hole in fixture (D _f)	12
72	Drill hole diameter (d ₀) ∅	10
27	Minimum drill hole depth	55
17	Drill hole depth (h ₁)	55
10	Nominal setting depth (H _{nom})	48
	Effective setting depth (H _{ef})	40
	Installation torque (T _{inst})	30

Performance data

Base material	Load type	Embedment depth (h_{nom})	Load direction	Load value
All				
Non-cracked concrete C20/25	N_{Rec}	48 mm		5.7 kN
Non-cracked concrete C20/25	V_{Rec}	48 mm		11.7 kN
Cracked concrete C20/25	N_{Rec}	48 mm		4.1 kN
Cracked concrete C20/25	V_{Rec}	48 mm		11.7 kN

Installation

