

Through bolt S-KA 12/20 ZP

SORMAT CODE 9640001152

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 thickness marked on the body.
- The use of S-KA setting tool makes serial installation safer and quicker.
- ZP for dry indoor and temporary outdoor use.

APPLICATIONS

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

APPROVALS / CERTIFICATES



ETA-08/0173 + DoPs



0809-CPR-1078



Seismic resistance (ETA-08/0173)



TC 6236-21



Fire resistance (ETA-08/0173)

PRODUCT OVERVIEW

Other codes	SNRO 1356637 / LVI 3253036
Material	Steel, zinc plated
Packages	box (bag): 20 / outer carton: 100 / pallet: 5600
Weight	106.1 kg / 1000

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

M12	Hole in fixture (D _f)	14
118	Drill hole diameter (d ₀) ∅	12
68	Minimum drill hole depth	90
19	Drill hole depth (h ₁)	90
20	Nominal setting depth (H _{nom})	81
	Effective setting depth (H _{ef})	70
	Installation torque (T _{inst})	50

Performance data

Base material	Load type	Embedment depth (h_{nom})	Load direction	Load value
All				
Non-cracked concrete C20/25	N_{Rec}	81 mm		7.9 kN
Non-cracked concrete C20/25	V_{Rec}	81 mm		13.1 kN
Cracked concrete C20/25	N_{Rec}	81 mm		4.8 kN
Cracked concrete C20/25	V_{Rec}	81 mm		13.1 kN

Installation

