

Through bolt S-KA 12/80 ZP

SORMAT CODE 9640001157



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 1356314 / |
| Material | Steel, zinc plated |
| Packages | box (bag): 20 / outer carton: 100 / pallet: 5600 |
| Weight | 148.8 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 |
| 178 | Drill hole diameter (d ₀) ∅ | 12 |
| 115 | Minimum drill hole depth | 90 |
| 19 | Drill hole depth (h ₁) | 90 |
| 80 | 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_{Rk} | 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

