

Through bolt S-KA 12/80 ZP (2 DIY)

SORMAT CODE 9640094036



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

Technical data

INSTALLATION DETAILS

PRODUCT OVERVIEW

| | |
|-------------|---|
| Properties | with carton hanger |
| Other codes | / |
| Material | Steel, zinc plated |
| Packages | box (bag): 2 / outer carton: 10 / piece: 1 |
| Weight | 148.7 kg / 1000 |

BASE MATERIALS

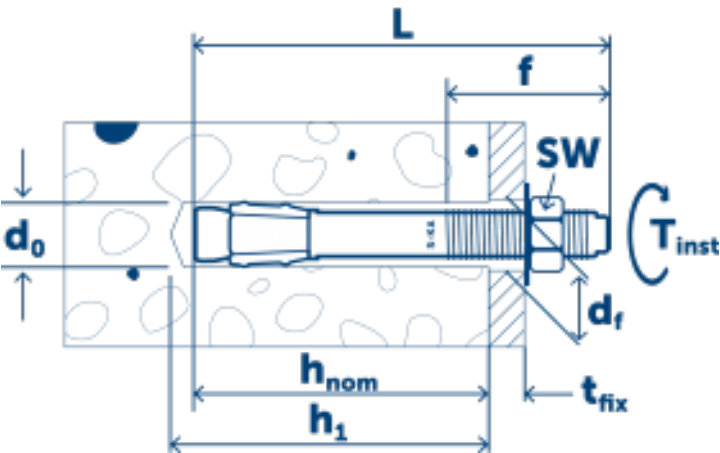
- APPROVED FOR
- Cracked concrete
 - Non-cracked concrete
- ALSO SUITABLE FOR
- Natural stone



TC 4635-15

INSTALLATION DETAILS

| | | | |
|--------------------------------------|-----|---|----|
| Size | M12 | Hole in fixture (D_f) | 14 |
| Length (L) | 178 | Drill hole diameter (d_0) \varnothing | 12 |
| Thread (f) | 115 | Minimum drill hole depth | 90 |
| Width across flats (SW) | 19 | Drill hole depth (h_1) | 90 |
| Max. fixture thickness (T_{fix}) | 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 |
|-----------------------------|------------------|-------------------------------------|----------------|------------|
| Non-cracked concrete C20/25 | N _{Rec} | 81 mm | | 7.9 kN |
| Non-cracked concrete C20/25 | V _{Rec} | 81 mm | | 11.0 kN |

Installation

