

Through bolt S-KA 12/80 ZP

SORMAT CODE 9640001157



Premium-quality through bolts for fixing in noncracked and cracked concrete

- Torque-controlled expansion anchors for pre-, pushthrough 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.

PRODUCT OVERVIEW

Other codes Material **Packages**

Weight

SNRO 1356314 / Steel, zinc plated box (bag): 20 / outer carton: 100 / pallet: 5600

148.8 kg / 1000

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-08/0173 + DoPs



0809-CPR-1078



Fire resistance (ETA-08/0173)



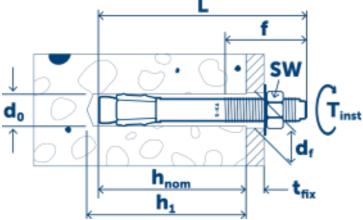


Seismic resistance (ETA-08/0173)

Technical data

INSTALLATION DETAILS

Size	
Length (L)	
Thread (f)	
Width across flats (SW)	
Max. fixture thickness (T _{fix})	
k L	K



INSTALLATION DETAILS

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

Performance data

Base material All	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_{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



