

Through bolt S-KA 12/50 ZP

SORMAT CODE 9640001154



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

- Torque-controlled expansion anchors for pre-, pushthrough and distance installations.
- When torgue 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	/ LVI 3253085
Material	Steel, zinc plated
Packages	box (bag): 20 / outer
	carton: 100 / pallet: 5600
Weight	127.3 kg / 1000

APPLICATIONS

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

APPROVALS / CERTIFICATES



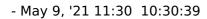
ETA-08/0173 + DoPs



0809-CPR-1078



Seismic resistance (ETA-08/0173)



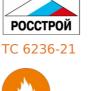
BASE MATERIALS

APPROVED FOR

- Cracked concrete
- Non-cracked concrete

ALSO SUITABLE FOR

Natural stone



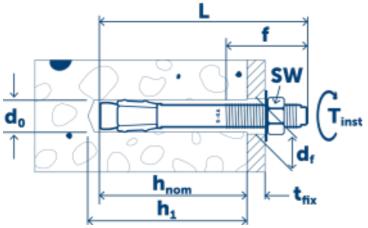


Technical data

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
148	Drill hole diameter (d ₀) ø	12
98	Minimum drill hole depth	90
19	Drill hole depth (h ₁)	90
50	Nominal setting depth (Hnom)	81
	Effective setting depth (H _{ef})	70
	Installation torque (T _{inst})	50

Performance data

Base material All	Load type		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	<u> </u>	13.1 kN
Cracked concrete C20/25	N _{Rec}	81 mm		4.8 kN
Cracked concrete C20/25	V _{Rec}	81 mm	<u>*</u>	13.1 kN

Installation

