

# Through bolt S-KA 10/20 ZP

SORMAT CODE 9640001135



### 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

/ LVI 3253027 Steel, zinc plated box (bag): 25 / outer

carton: 125 / pallet: 7000

64.4 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)



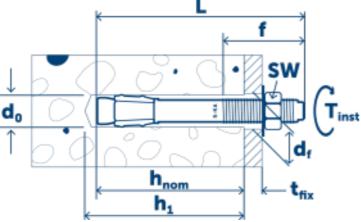


Seismic resistance (ETA-08/0173)

# Technical data

### INSTALLATION DETAILS

Size
Length (L)
Thread (f)
Width across flats (SW)
Max. fixture thickness (T <sub>fix</sub> )



### **INSTALLATION DETAILS**

M10	Hole in fixture (D <sub>f</sub> )	13
102	Drill hole diameter (d <sub>0</sub> ) ø	1
57	Minimum drill hole depth	7.
17	Drill hole depth (h <sub>1</sub> )	7.
20	Nominal setting depth (H <sub>nom</sub> )	6
	Effective setting depth (H <sub>ef</sub> )	6
	Installation torque (Tinst)	3.

# Performance data

Base material All	Load type	Embedment depth (h <sub>nom</sub> )	Load direction	Load value
Non-cracked concrete C20/25	$N_{Rec}$	68 mm	) <del></del>	6.3 kN
Non-cracked concrete C20/25	V <sub>Rec</sub>	68 mm		10.3 kN
Cracked concrete C20/25	N <sub>Rec</sub>	68 mm	<del></del>	3.6 kN
Cracked concrete C20/25	$V_{Rec}$	68 mm		10.3 kN

### Installation



