

# Through bolt S-KAH 10/20 A4

SORMAT CODE 9640005135



### 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.
- A4 for indoor, outdoor and industrial use.

#### PRODUCT OVERVIEW

Other codes Material **Packages** 

Weight

/ LVI 3253067 Stainless steel, A4 box (bag): 25 / outer carton: 125 / pallet: 7000

64.6 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)



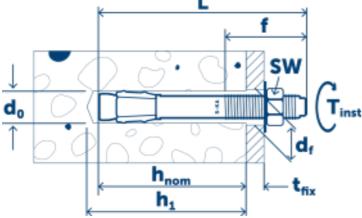


Seismic resistance (ETA-08/0173)

# 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> )          | 12 |
|-----|--|----|
| 102 | Drill hole diameter (d <sub>0</sub> ) ø    | 10 |
| 57  | Minimum drill hole depth                   | 75 |
| 17  | Drill hole depth (h <sub>1</sub> )         | 75 |
| 20  | Nominal setting depth (H <sub>nom</sub> )  | 68 |
|     | Effective setting depth (H <sub>ef</sub> ) | 60 |
|     | Installation torque (Tinst)                | 35 |

# Performance data

| Base material All           | Load type        | Embedment depth (h <sub>nom</sub> ) | Load direction                                   | Load value |
|-----------------------------|------------------|-------------------------------------|--|------------|
| Non-cracked concrete C20/25 | N <sub>Rec</sub> | 68 mm                               | *  | 6.3 kN     |
| Non-cracked concrete C20/25 | $V_{Rec}$        | 68 mm                               |  | 9.7 kN     |
| Cracked concrete C20/25     | N <sub>Rec</sub> | 68 mm                               | <del>/////////////////////////////////////</del> | 3.6 kN     |
| Cracked concrete C20/25     | $V_{Rec}$        | 68 mm                               |  | 9.7 kN     |

### Installation



