

# Through bolt S-KA 12/65 ZP

SORMAT CODE 9640001155



### 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 guicker.
- ZP for dry indoor and temporary outdoor use.

#### PRODUCT OVERVIEW

Other codes SNRO 1356313 / LVI

3253038

MaterialSteel, zinc platedPackagesbox (bag): 20 / outer

carton: 100 / pallet: 5600

138.1 kg / 1000

#### **APPLICATIONS**

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

#### **BASE MATERIALS**

#### APPROVED FOR

Weight

- · Cracked concrete
- Non-cracked concrete

#### ALSO SUITABLE FOR

Natural stone

#### APPROVALS / CERTIFICATES



ETA-08/0173 + DoPs



0809-CPR-1078



TC 6236-21



Fire resistance (ETA-08/0173)

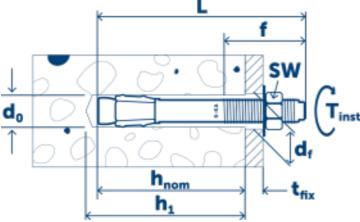


Seismic resistance (ETA-08/0173)

# Technical data

## **INSTALLATION DETAILS**

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



## **INSTALLATION DETAILS**

M12	Hole in fixture (D <sub>f</sub> )	1
163	Drill hole diameter (d <sub>0</sub> ) ø	1:
113	Minimum drill hole depth	90
19	Drill hole depth (h <sub>1</sub> )	90
65	Nominal setting depth (H <sub>nom</sub> )	83
	Effective setting depth (H <sub>ef</sub> )	7
	Installation torque (Tinst)	5.0

## 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>	81 mm	<del></del>	7.9 kN
Non-cracked concrete C20/25	$V_{Rec}$	81 mm	nin Tim	13.1 kN
Cracked concrete C20/25	N <sub>Rec</sub>	81 mm	<del>//</del>	4.8 kN
Cracked concrete C20/25	$V_{Rec}$	81 mm		13.1 kN

## Installation



