

# Through bolt S-KA 20/70 ZP

SORMAT CODE 9640000182



## Premium-quality through bolts for fixing in non-cracked and cracked concrete

- Torque-controlled expansion anchors for pre-, push-through 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

<b>Other codes</b>	SNRO 1356662 /
<b>Material</b>	Steel, zinc plated
<b>Packages</b>	box (bag): 5 / outer carton: 25 / pallet: 1050
<b>Weight</b>	570.2 kg / 1000

## APPLICATIONS

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

## BASE MATERIALS

### ALSO SUITABLE FOR

- Natural stone
- Non-cracked concrete

## APPROVALS / CERTIFICATES



TC 6236-21

## Technical data

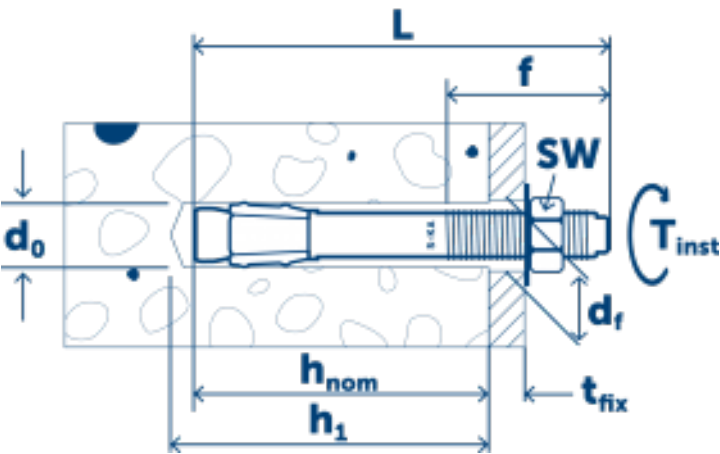
### INSTALLATION DETAILS

<b>Size</b>	M20
<b>Length (L)</b>	220
<b>Thread (f)</b>	55

### INSTALLATION DETAILS



<b>Hole in fixture (D<sub>f</sub>)</b>	22
<b>Drill hole diameter (d<sub>0</sub>) Ø</b>	20
<b>Minimum drill hole depth</b>	135

Width across flats (SW)  
Max. fixture thickness ( $T_{fix}$ )



30	Drill hole depth ( $h_1$ )	135
70	Nominal setting depth ( $H_{nom}$ )	125
	Effective setting depth ( $H_{ef}$ )	110
	Installation torque ( $T_{inst}$ )	240

# Performance data

Base material	Load type	Embedment depth ( $h_{nom}$ )	Load direction	Load value
Non-cracked concrete C20/25	$N_{Rec}$	125 mm		19.8 kN
Non-cracked concrete C20/25	$V_{Rec}$	125 mm		27.7 kN

# Installation

