

# Through bolt S-KAK 20/20 HDG

SORMAT CODE 9640002180



**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.
- HDG for dry and humid indoor use, outdoor inland rural areas only.

APPLICATIONS

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

APPROVALS / CERTIFICATES



TC 6236-21

## Technical data

INSTALLATION DETAILS

Size	M20
Length (L)	170

PRODUCT OVERVIEW

Other codes	SNRO 1356760 /
Material	Steel, hot dip galvanized
Packages	box (bag): 5 / outer carton: 25 / pallet: 1400
Weight	450.7 kg / 1000

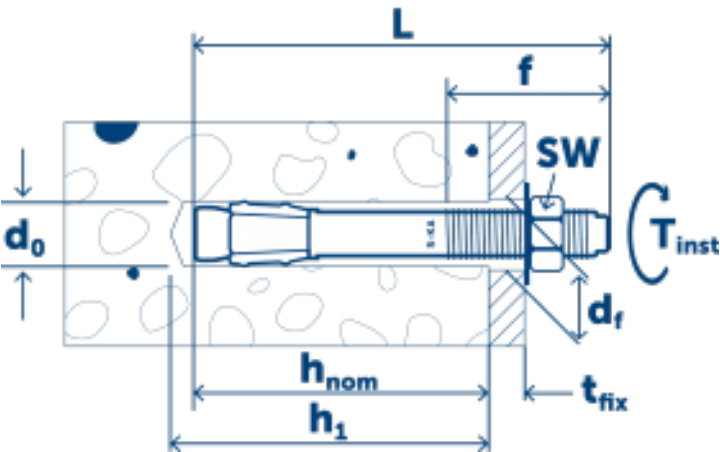
BASE MATERIALS

- ALSO SUITABLE FOR
- Natural stone
  - Non-cracked concrete

INSTALLATION DETAILS



Hole in fixture (D <sub>f</sub> )	22
Drill hole diameter (d <sub>0</sub> ) Ø	20

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



55	Minimum drill hole depth	135
30	Drill hole depth ( $h_1$ )	135
20	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

