SORMAT 🔁

Through bolt S-KAK 12/50 HDG (2 DIY)

SORMAT CODE 9640094133



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

PRODUCT OVERVIEW

Other codes	/		
Material	Steel, hot dip galvanized		
Packages	box (bag): 2 / outer		
	carton: 10		
Weight	129.2 kg / 1000		

APPLICATIONS

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

APPROVALS / CERTIFICATES



ETA-08/0173 + DoPs



Technical data

BASE MATERIALS

APPROVED FOR

- Cracked concrete
- Non-cracked concrete

ALSO SUITABLE FOR

Natural stone





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INSTALLATION DETAILS

Size	M12	Hole in fixture (D _f)
Length (L)	148	Drill hole diameter
Thread (f)	98	Minimum drill hole
Width across flats (SW)	19	Drill hole depth (h ₁
Max. fixture thickness (T _{fix})	50	Nominal setting de
		Effective setting de
<mark>ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا </mark>	*	Installation torque
	Tinst	

- t_{fix}

h_{nom} h₁

L2	Hole in fixture (D _f)	14
18	Drill hole diameter (d ₀) $ø$	12
98	Minimum drill hole depth	90
L9	Drill hole depth (h ₁)	90
50	Nominal setting depth (H _{nom})	81
	Effective setting depth (H _{ef})	70
	Installation torque (T _{inst})	50

Performance data

Base material All	Load type		Load direction	Load value
Non-cracked concrete C20/25	N _{Rec}	81 mm	**	7.9 kN
Non-cracked concrete C20/25	V _{Rec}	81 mm	×	13.1 kN
Cracked concrete C20/25	N _{Rec}	81 mm	<u> </u>	4.8 kN
Cracked concrete C20/25	V _{Rec}	81 mm)	13.1 kN

Installation

