

Through bolt S-KAK+ 16/60 HDG

SORMAT CODE 9640003363

Improved premium-quality hdg 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 thicknesses marked on the body. Anchor length letter code marked on the bolt head.
- M8, M10 and M12 have two different anchorage depths.
- 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



ETA-16/0934 + DoPs



Fire resistance (ETA-16/0934)



0809-CPR-1252

PRODUCT OVERVIEW

Other codes	SNRO 1324119 / LVI 3253723
Material	Steel, hot dip galvanized
Packages	box (bag): 10 / outer carton: 50 / pallet: 2800
Weight	279.4 kg / 1000
GTIN-13	6416031033636

BASE MATERIALS

APPROVED FOR

- Cracked concrete
- Non-cracked concrete

ALSO SUITABLE FOR

- Natural stone

Technical data

INSTALLATION DETAILS

- Size
- Length (L)
- Thread (f)
- Width across flats (SW)
- Max. fixture thickness (T_{fix})



INSTALLATION DETAILS

M16	Hole in fixture (D_f)	18
178	Drill hole diameter (d_0) \varnothing	16
115	Minimum drill hole depth	110
24	Drill hole depth (h_1)	110
60	Nominal setting depth (H_{nom})	97
	Effective setting depth (H_{ef})	85
	Installation torque (T_{inst})	110

Performance data

Base material	Load type	Embedment depth (h_{nom})	Load direction	Load value
All				
Non-cracked concrete C20/25	N_{Rec}	97 mm		17.1 kN
Non-cracked concrete C20/25	V_{Rec}	97 mm		30.9 kN
Cracked concrete C20/25	N_{Rec}	97 mm		11.4 kN
Cracked concrete C20/25	V_{Rec}	97 mm		30.9 kN

Installation

