SORMAT 🔁

Through bolt S-KAH+ 12/85/65 A4

SORMAT CODE 9640005346



Improved premium-quality A4 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.
- Seismic performance category C1/C2 (h_{ef,std}).
- A4 for indoor, outdoor and industrial use.

PRODUCT OVERVIEW

Other codes Material Packages Weight GTIN-13

SNRO 1324139 / LVI 3253739 Stainless steel, A4 box (bag): 20 / outer carton: 100 / pallet: 5600 137.8 kg / 1000 6416031053467

APPLICATIONS

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

APPROVALS / CERTIFICATES



ETA-16/0934 + DoPs



BASE MATERIALS

APPROVED FOR

- Cracked concrete
- Non-cracked concrete

ALSO SUITABLE FOR

Natural stone

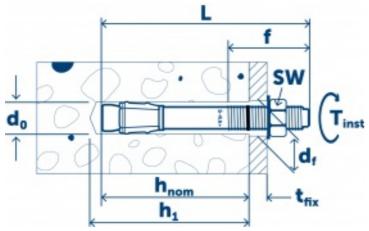


Seismic resistance (ETA-16/0934)

Technical data

INSTALLATION DETAILS

Size	M12
Length (L)	163
Thread (f)	113
Width across flats (SW)	19
Max. fixture thickness (T _{fix})	85/65



INSTALLATION DETAILS

Hole in fixture (D _f)	14
Drill hole diameter (d ₀) Ø	12
Minimum drill hole depth	70/90
Drill hole depth (h ₁)	70/90
Nominal setting depth (H _{nom})	61/81
Effective setting depth (H _{ef})	50/70
Installation torque (T _{inst})	60

Performance data

Base material All	Load type	Embedment depth (h _{nom})	Load direction	Load value
Non-cracked concrete C20/25	N _{Rec}	61 mm	*	8.3 kN
Non-cracked concrete C20/25	V _{Rec}	61 mm), 	19.7 kN
Non-cracked concrete C20/25	N _{Rec}	81 mm	*	11.9 kN
Non-cracked concrete C20/25	V _{Rec}	81 mm	ž	19.7 kN
Cracked concrete C20/25	N _{Rec}	61 mm	*	5.8 kN
Cracked concrete C20/25	V _{Rec}	61 mm	ž	16.5 kN
Cracked concrete C20/25	N _{Rec}	81 mm	*	7.6 kN
Cracked concrete C20/25	V _{Rec}	81 mm), , , , , , , , , , , , , , , , , , ,	19.7 kN

Installation

