

Liebig Safety bolt SK M12-20/80/15 ZP

SORMAT CODE 9650080415



Legendary twin-cone heavy duty anchor for hi-power performance

- Torque-controlled twin-cone heavy duty anchor for push-through installations.
- Suitable for heavy loads due to optimal friction resistance.
- Cylindrical, wide expansion of sleeve over entire length.
- ZP for dry indoor and temporary outdoor use.

APPLICATIONS

- Steel structures
- Machines
- Guardrails
- Car lifting systems
- Railings
- Base plates
- Warehouse racks

APPROVALS / CERTIFICATES



ETA-06/0108 + DoPs



Fire resistance (ETA-06/0108)

Technical data

INSTALLATION DETAILS

Size M12
Length (L) 110

PRODUCT OVERVIEW

Other codes	/
Material	Steel, zinc plated
Packages	box (bag): 10 / outer carton: 50 / pallet: 2800
Weight	248.0 kg / 1000

BASE MATERIALS

APPROVED FOR

- Cracked concrete
- Non-cracked concrete

ALSO SUITABLE FOR

- Natural stone

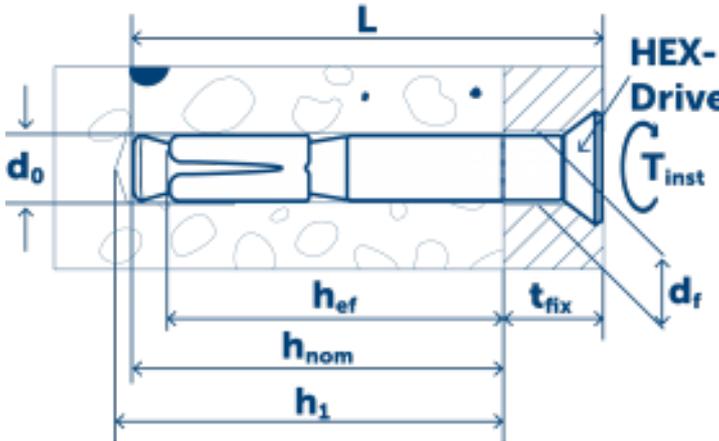


0809-CPR-19006293

INSTALLATION DETAILS

Hole in fixture (D_f) 21
Drill hole diameter (d₀) ∅ 20

Drive	HEX8	Minimum drill hole depth	100
Max. fixture thickness (T_{fix})	15	Drill hole depth (h_1)	100
		Nominal setting depth (H_{nom})	92
		Effective setting depth (H_{ef})	80
		Installation torque (T_{inst})	90



HEX-Drive HEAD DETAILS

Head diameter \varnothing	33
Head height	8
Diameter, other	19

Performance data

Base material <input type="text" value="All"/>	Load type	Load direction	Load value
Non-cracked concrete C20/25	N_{Rec}		17.1 kN
Non-cracked concrete C20/25	V_{Rec}		34.3 kN
Cracked concrete C20/25	N_{Rec}		12.3 kN
Cracked concrete C20/25	V_{Rec}		24.5 kN

Installation

