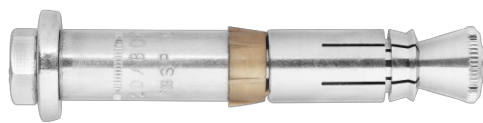


Liebig Superplus SLS M12-20/80/15 A4

SORMAT CODE 9653208015



Simply the best heavy duty self-undercutting anchor in the world

- Automatically self-undercutting, unique heavy duty anchor for push-through installations.
- Simplest, quickest and safest solution on the market.
- Economical: No special drill bits, undercut tools or setting tools.
- Minimal expansion forces allow for small spacings and edge distances.
- A4 for indoor, outdoor and industrial use.

APPLICATIONS

- Power plants
- Guardrails
- Machines
- Base plates
- For dynamic and seismic loads
- Small edge distances or spacings

APPROVALS / CERTIFICATES



ETA-01/0011 + DoPs



Fire resistance (ETA-01/0011)

Technical data

INSTALLATION DETAILS

Size	M12
Length (L)	120

- Sep 1, '20 03:16 02:16:40

PRODUCT OVERVIEW

Other codes	/
Material	Stainless steel, A4
Packages	box (bag): 10 / outer carton: 50 / pallet: 2800
Weight	270.0 kg / 1000

BASE MATERIALS

- APPROVED FOR
- Cracked concrete
 - Non-cracked concrete

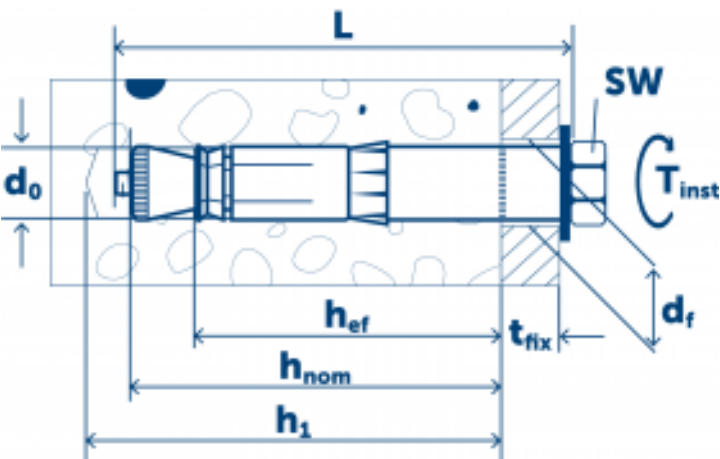


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INSTALLATION DETAILS

Hole in fixture (D _f)	21
Drill hole diameter (d ₀) Ø	20

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



19	Minimum drill hole depth	105
15	Drill hole depth (h_1)	105
	Nominal setting depth (H_{nom})	96
	Effective setting depth (H_{ef})	80
	Installation torque (T_{inst})	80

Performance data

Base material	Load type	Embedment depth (h_{nom})	Load direction	Load value
All				
Non-cracked concrete C20/25	N_{Rec}	96 mm		17.2 kN
Non-cracked concrete C20/25	V_{Rec}	96 mm		34.4 kN
Cracked concrete C20/25	N_{Rec}	96 mm		11.9 kN
Cracked concrete C20/25	V_{Rec}	96 mm		24.5 kN

Installation

