

Liebig Superplus BLS M12-20/80/30 A4

SORMAT CODE 9650080304



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)	145

- Dec 7, '21 03:07 01:07:09

PRODUCT OVERVIEW

Other codes	/
Material	Stainless steel, A4
Packages	box (bag): 10 / outer carton: 30 / pallet: 1680
Weight	300.0 kg / 1000

BASE MATERIALS

- APPROVED FOR
- Cracked concrete
 - Non-cracked concrete

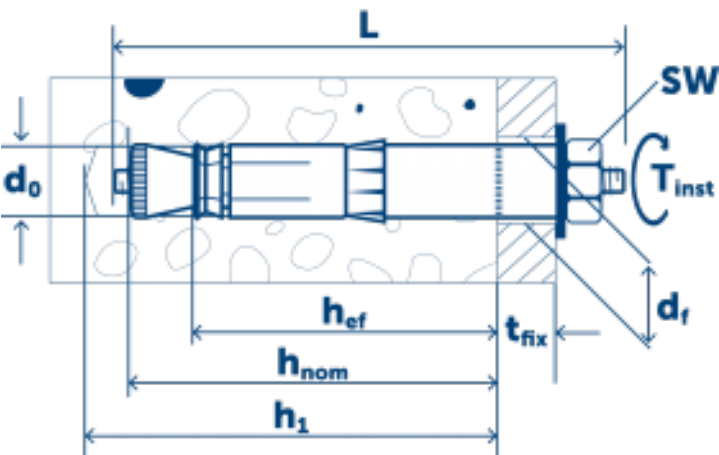


0809-CPR-19006295

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
30	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

