

Liebig Safety bolt S M8-12/55/40 ZP

SORMAT CODE 9652055140

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.
- Equipped with domed washers providing a visual installation control.
- 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

PRODUCT OVERVIEW

| | |
|--------------------|--|
| Other codes | / |
| Material | Steel, zinc plated |
| Packages | box (bag): 25 / outer carton: 125 / pallet: 7000 |
| Weight | 90.0 kg / 1000 |

BASE MATERIALS

APPROVED FOR

- Cracked concrete
- Non-cracked concrete

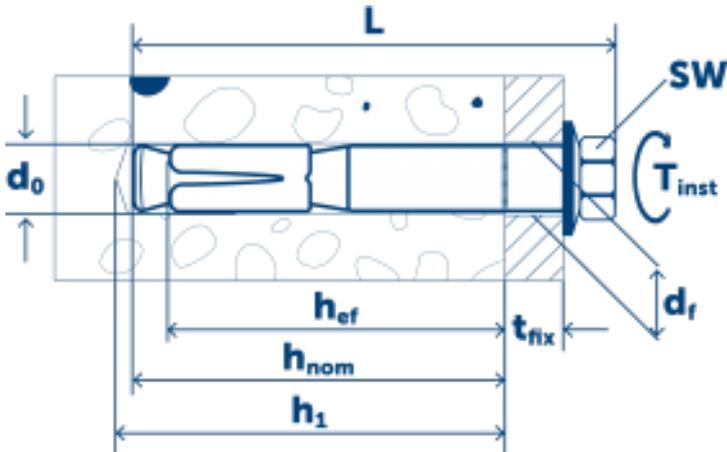
ALSO SUITABLE FOR

- Natural stone



0809-CPR-19006293

| | | | |
|--------------------------------------|-----|---|----|
| Size | M8 | Hole in fixture (D_f) | 14 |
| Length (L) | 115 | Drill hole diameter (d_0) \varnothing | 12 |
| Width across flats (SW) | 13 | Minimum drill hole depth | 70 |
| Max. fixture thickness (T_{fix}) | 40 | Drill hole depth (h_1) | 70 |
| | | Nominal setting depth (H_{nom}) | 63 |
| | | Effective setting depth (H_{ef}) | 55 |
| | | Installation torque (T_{inst}) | 20 |



Performance data

| Base material <input type="text" value="All"/> | Load type | Embedment depth (h_{nom}) | Load direction | Load value |
|--|-----------|-------------------------------|---|------------|
| Non-cracked concrete C20/25 | N_{Rec} | 63 mm |  | 4.8 kN |
| Non-cracked concrete C20/25 | V_{Rec} | 63 mm |  | 9.8 kN |
| Cracked concrete C20/25 | N_{Rec} | 63 mm |  | 3.6 kN |
| Cracked concrete C20/25 | V_{Rec} | 63 mm |  | 7.0 kN |

Installation

