

Liebig Safety bolt S M10-15/70/5 ZP

SORMAT CODE 9655070105



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)

PRODUCT OVERVIEW

Other codes	/
Material	Steel, zinc plated
Packages	box (bag): 25 / outer carton: 125 / pallet: 7000
Weight	110.0 kg / 1000

BASE MATERIALS

APPROVED FOR

- Cracked concrete
- Non-cracked concrete

ALSO SUITABLE FOR

- Natural stone



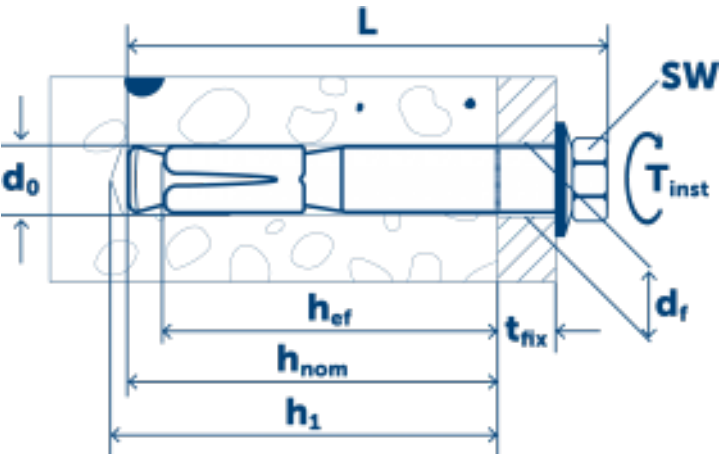
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Technical data

INSTALLATION DETAILS

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Size	M10	Hole in fixture (D_f)	17
Length (L)	95	Drill hole diameter (d_0) \varnothing	15
Width across flats (SW)	17	Minimum drill hole depth	85
Max. fixture thickness (T_{fix})	5	Drill hole depth (h_1)	85
		Nominal setting depth (H_{nom})	76
		Effective setting depth (H_{ef})	70
		Installation torque (T_{inst})	60



Performance data

Base material	Load type	Embedment depth (h_{nom})	Load direction	Load value
All				
Non-cracked concrete C20/25	N_{Rec}	76 mm		9.5 kN
Non-cracked concrete C20/25	V_{Rec}	76 mm		22.3 kN
Cracked concrete C20/25	N_{Rec}	76 mm		7.6 kN
Cracked concrete C20/25	V_{Rec}	76 mm		20.1 kN

Installation

