

## LIEBIG® safety bolt S

**Cross references**

Cordless hammer drill ABH  
 Hammer drill SDS-plus®  
 Socket wrench  
 Torque wrench  
 Installation tool through bolt  
 Cleaning brush  
 Blow-out pump

**Application range**

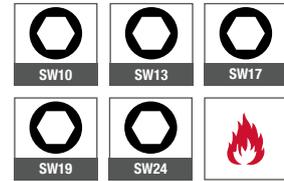
- > Steel structures
- > Machinery
- > Guard rails
- > Automatic hub systems
- > Railings
- > Base plates
- > Storage racks

**Properties**

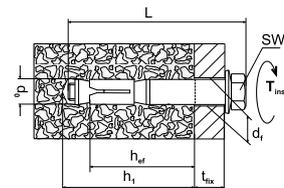
- > Safety bolt with hexagon screw
- > Zinc-plated steel
- > Torque-controlled heavy-duty anchor with double cone for push-through installation
- > Suitable for heavy loads due to optimum frictional resistance. Cylindrical, wide expansion zone of the sleeve along the whole length
- > With dome-shaped washers for visual assembly inspection
- > For dry indoor and temporary outdoor use
- > Removable

**Note**

The load values in these tables are based on concrete C20/25,  $f_{ck,cube} = 25 \text{ N/mm}^2$ ; correct installation; no influence of centre and edge distances; observe the minimum thickness of the base material

**Technical specifications****Certifications****Base materials**

- Approved for
- > Cracked concrete
  - > Non-cracked concrete



Characteristic values	Admissible loads non-cracked concrete C20/25						Admissible loads cracked concrete C20/25			
	Typ	$d_i$ [mm]	SW [mm]	$d_0$ [mm]	$h_{ef}$ [mm]	$T_{inst}$ [Nm]	$N_{Rec}$ [kN]	$V_{Rec}$ [kN]	$N_{Rec}$ [kN]	$V_{Rec}$ [kN]
M8-12/55/5		14	13	12	55	20	4.8	9.8	3.6	7.0
M8-12/55/15		14	13	12	55	20	4.8	9.8	3.6	7.0
M8-12/55/40		14	13	12	55	20	4.8	9.8	3.6	7.0
M10-15/70/5		17	17	15	70	60	9.5	22.3	7.6	20.1
M10-15/70/15		17	17	15	70	60	9.5	22.3	7.6	20.1
M10-15/70/40		17	17	15	70	60	9.5	22.3	7.6	20.1
M12-20/80/5		21	19	20	80	90	17.1	34.3	12.3	24.5
M12-20/80/15		21	19	20	80	90	17.1	34.3	12.3	24.5
M12-20/80/40		21	19	20	80	90	17.1	34.3	12.3	24.5

## Product online



Order description	Nominal size [mm]	L [mm]	d <sub>0</sub> [mm]	h <sub>1</sub> [mm]	t <sub>fix</sub> [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
LIEBIG S M8-12/55/5	M8	80	12	70	5	25		9652055105	4061245001043
LIEBIG S M8-12/55/15	M8	90	12	70	15	25		9652055115	4061245001036
LIEBIG S M8-12/55/40	M8	115	12	70	40	25		9652055140	4061245001029
LIEBIG S M10-15/70/5	M10	95	15	85	5	25		9655070105	4061245000459
LIEBIG S M10-15/70/15	M10	105	15	85	15	25		9655070115	4061245000442
LIEBIG S M10-15/70/40	M10	130	15	85	40	10		9655070140	4061245000435
LIEBIG S M12-20/80/5	M12	113	20	100	5	10		9650080105	4061245001531
LIEBIG S M12-20/80/15	M12	123	20	100	15	10		9650080115	4061245001524
LIEBIG S M12-20/80/40	M12	148	20	100	40	10		9650080140	4061245001517

Further lengths  
upon request

