

# LIEBIG® safety bolt SK



### Cross references

- Cleaning brush
- Blow-out pump
- Tool belt
- Hammer drill SDS-plus
- Installation tool for through bolts
- Cordless hammer drill
- Torque wrench
- Socket wrench

### Application range

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

### Properties

- > Safety bolt with countersunk screw
- > Galvanized zinc-plated steel
- > Torque-controlled heavy-duty anchor with double cone for push-through installation
- > Suitable for heavy loads thanks to the optimum frictional resistance
- > Cylindrical, wide expansion zone of the sleeve along the whole length
- > For dry indoor use
- > Removable

### Technical data

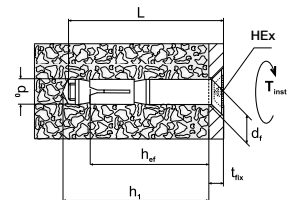


### Certifications



### Base materials

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



Characteristic values						Permitted loads non-cracked concrete C20/25		Permitted loads cracked concrete C20/25		
	Type	$d_i$ [mm]	HEX [mm]	$d_0$ [mm]	$h_{ef}$ [mm]	$T_{inst}$ [Nm]	$N_{Rec}$ [kN]	$V_{Rec}$ [kN]	$N_{Rec}$ [kN]	$V_{Rec}$ [kN]
M6-10/45/15		12	4	10	45	12	3.0	7.2	2.4	5.2
M6-10/45/40		12	4	10	45	12	3.0	7.2	2.4	5.2
M8-12/55/15		14	5	12	55	20	4.8	9.8	3.6	7.0
M8-12/55/40		14	5	12	55	20	4.8	9.8	3.6	7.0
M10-15/70/15		17	6	15	70	60	9.5	22.3	7.6	20.1
M10-15/70/40		17	6	15	70	60	9.5	22.3	7.6	20.1
M12-20/80/15		21	8	20	80	90	17.1	34.3	12.3	24.5
M12-20/80/40		21	8	20	80	90	17.1	34.3	12.3	24.5
M16-25/100/15		26	10	25	100	190	24.0	48.0	17.1	34.3
M16-25/100/40		26	10	25	100	190	24.0	48.0	17.1	34.3

$d_i$  = through hole diameter in the attachment;  $d_0$  = nominal drill diameter;  $h_{ef}$  = effective embedment depth;  $T_{inst}$  = tightening torque;  $N_{Rec}$  = recommended tensile capacity;  $V_{Rec}$  = recommended shear load capacity





## Product online



Order description	Nominal size [mm]	L [mm]	d <sub>0</sub> [mm]	h <sub>1</sub> [mm]	t <sub>fix</sub> [mm]	d <sub>k</sub> [mm]	k [mm]	HEX [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
LIEBIG SK M6-10/45/15	M6	70	10	60	15	20	5.5	4	50		9650045415	4061245005591
LIEBIG SK M6-10/45/40	M6	95	10	60	40	20	5.5	4	50		9650045440	4061245005584
LIEBIG SK M8-12/55/15	M8	85	12	70	15	20	6.5	5	25		9652055415	4061245000947
LIEBIG SK M8-12/55/40	M8	110	12	70	40	24	6.5	5	25		9652055440	4061245000930
LIEBIG SK M10-15/70/15	M10	100	15	85	15	27	7	6	25		9655070415	4061245000367
LIEBIG SK M10-15/70/40	M10	120	15	85	40	27	7	6	25		9655070440	4061245000350
LIEBIG SK M12-20/80/15	M12	110	20	100	15	33	8	8	10		9650080415	4061245001425
LIEBIG SK M12-20/80/40	M12	135	20	100	40	33	8	8	10		9650080440	4061245001418
LIEBIG SK M16-25/100/15	M16	135	25	125	15	50	14	10	5		9655100415	4061245000213
LIEBIG SK M16-25/100/40	M16	160	25	125	40	50	14	10	5		9655100440	4061245000206