

# LIEBIG® self-undercutting anchor SUPERPLUS BLS A4



### Application range

- > Power plants
- > Guard rails
- > Machinery
- > Base plates
- > For dynamic and seismic loads
- > Small edge and centre distances

### Base materials

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

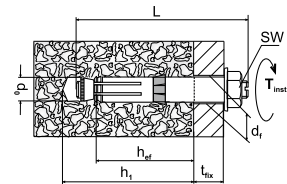
### Properties

- > Self-undercutting anchor with threaded bolt, nut and washer
- > A4-80 stainless steel
- > Automatic self-undercutting, unique heavy-duty anchor for push through installation
- > Simplest, quickest and safest solution on the market
- > Cost-effective: No special drills, undercutting or setting tools required
- > Minimal expansion forces allow for small centre and edge distances
- > For indoor and outdoor areas, as well as industrial applications
- > Removable

### Technical data



### Certifications



### 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

### Product online



Characteristic values	Permitted loads					Permitted loads			
	non-cracked concrete C20/25					cracked concrete C20/25			
Type	$d_i$ [mm]	AF [mm]	$d_0$ [mm]	$h_{ef}$ [mm]	$T_{inst}$ [Nm]	$N_{Rec}$ [kN]	$V_{Rec}$ [kN]	$N_{Rec}$ [kN]	$V_{Rec}$ [kN]
M8-14/80/25	16	17	14	80	25	13.9	23.7	7.6	23.7
M12-20/80/15	21	22	20	80	80	17.2	34.4	11.9	24.6
M16-25/150/30	26	27	25	150	180	44.1	67.4	23.8	63.0
M16-25/200/40	26	27	25	200	180	59.8	67.4	35.7	67.4

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

Order description	Nominal size [mm]	L [mm]	$d_0$ [mm]	$h_1$ [mm]	$t_{fix}$ [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
LIEBIG SUPERPLUS BLS M8-14/80/25 A4	M8	130	14	100	25	25		9654080254	4061245000732
LIEBIG SUPERPLUS BLS M12-20/80/15 A4	M12	130	20	105	15	10		9650080154	4061245001500
LIEBIG SUPERPLUS BLS M16-25/150/30 A4	M16	220	25	185	30	5		9655150304	4061245000053
LIEBIG SUPERPLUS BLS M16-25/150/40 A4	M16	230	25	185	40	5		9655150404	4061245000046

Further versions upon request!



SUPERPLUS SLS A4



SUPERPLUS SKLS A4



SUPERPLUS BLS-P



SUPERPLUS ILS