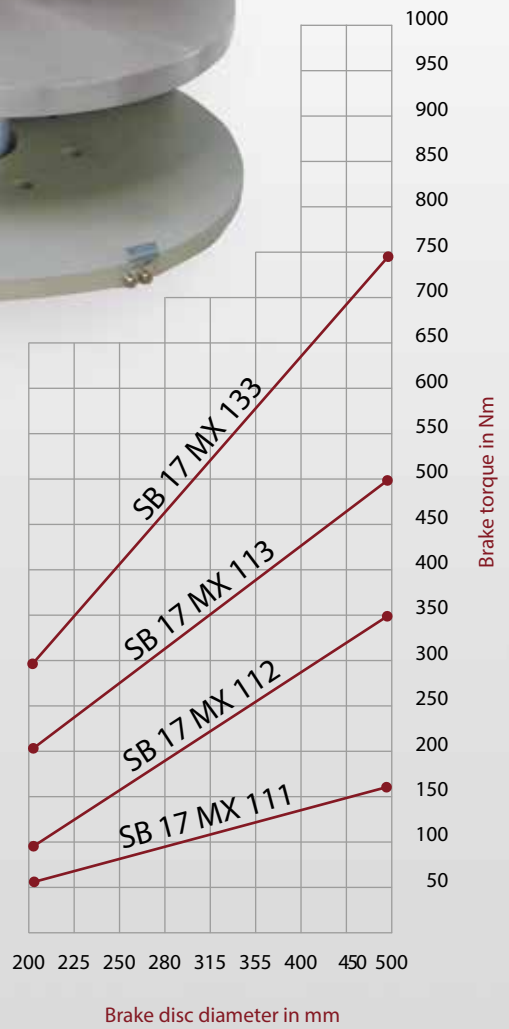


Disc Brake SB 17 MX Series



C



PINTSCH BUBENZER is certified according to DIN EN ISO 9001:2015

- Compact Design
- High Performance
- Low Maintenance
- Reliable

Description SB 17 MX



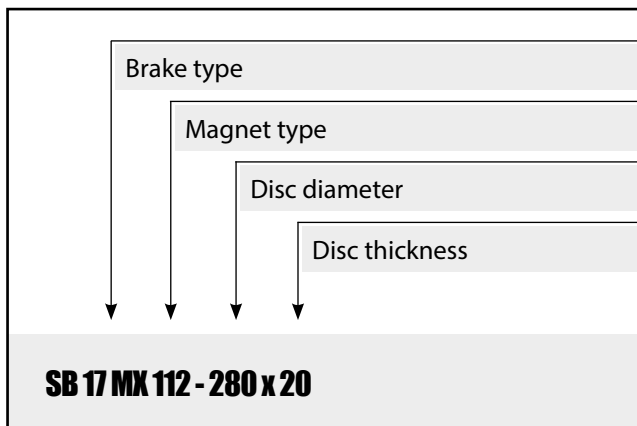
Main Features

Electromagnetic release
High performance by overforcing of electromagnet (magnet IP54)
Internal rectifier / economizer unit, direct connection to 380-480 V AC, 3 Ph., 50-60 Hz
Adjustable brake torque
Simple, manual wear compensation
Organic, non-asbestos linings
Manual release and limit switch release control as a standard
Stainless steel brake body

Options

Limit switch wear control
Sintered linings
Hydraulic damping unit for continuously adjustable apply time of 1-8 seconds
Motor connection flange incl. protective cover
Brake discs with hubs or couplings

Ordering Example



Applications

The capacity of these brakes makes them particularly suitable as service brakes e.g. on crane gantries, slewing drives or smaller hoists
In combination with the hydraulic damping unit, a soft and smooth braking is possible
Very compact and easy to install as a motor mounted version

Magnets, Technical Data

Magnet Type	Inrush (W)	Holding (W)
111	100	100
112	360	100
113	360	100
133	360	100



Please Note

We supply a detailed operating manual with every order. Nevertheless, we would point out that brakes are only as safe as the servicing and maintenance performed while they are in operation. The guarantee for the correct functioning of our brakes is only valid if the user adheres to the German DIN standard 15434 part 2 (drum and disc brakes, servicing and maintenance in operation), or to comparable standards in his own country.



PINTSCH BUBENZER Service

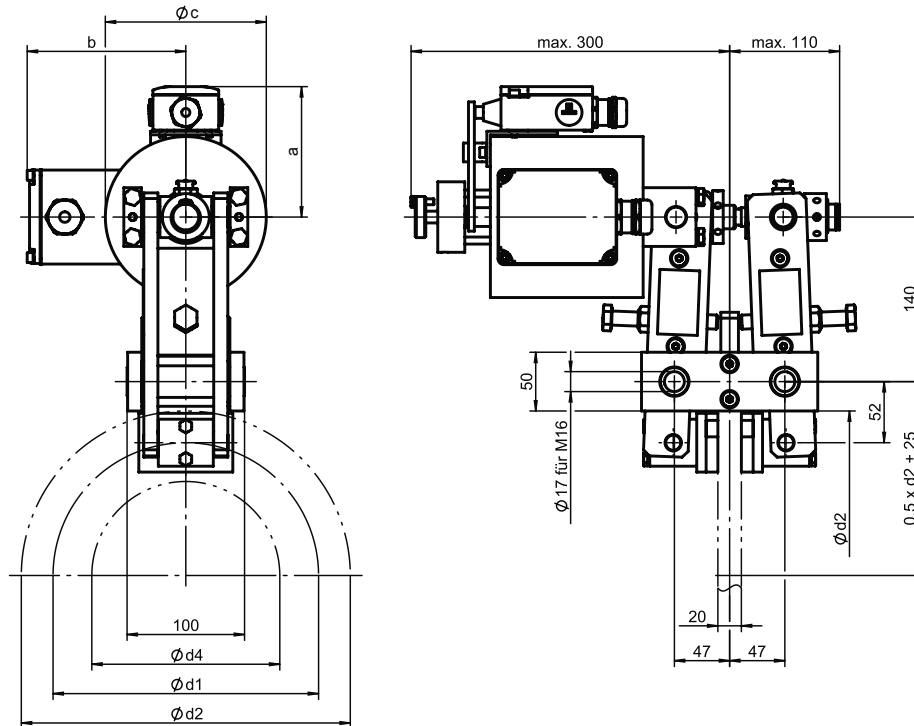
This includes the verification of the brake selection, if required. A detailed questionnaire is provided for this purpose. Installation and commissioning on-site by PINTSCH BUBENZER service engineers is possible. Drawings as DWG/DXF files for your engineering department are available upon request.

Disc Brake SB 17 MX

Dimensions and technical data



Rev. 03-18
MB-001674 a



Magnet dimensions				Lining
Type	a ca.	b ca.	$\varnothing c$	b ₂
111	102	121	114	40
112	102	121	114	40
113	102	121	114	50
133	112	135	137	50

All dimensions in mm
Alterations reserved without notice

*) Average static coefficient of friction
for standard material combination

For crane brake layout use safety factors documented in the FEM 1.001, Section 1

The coefficient of friction is subject to fluctuations depending
on operational-, material- and ambient-conditions!
This must be considered during the selection!

Weight with magnet: max. 24 kg		Magnet type	111	112	113	133
		Contact force in N	1100	2150	3150	4200
Disc- \varnothing d ₂	Friction- \varnothing d ₁	Max. hub- \varnothing d ₄	Brake torque M _{Br} in Nm Friction factor $\mu = 0,4^*$			
200	146	80	60	130		
225	171	105	70	150		
250	196	130	85	170	250	
280	226	160	100	195	285	375
315	261	195	115	225	330	440
355	301	235			375	500
400	346	280			435	580
450	396	330				665
500	446	380				750

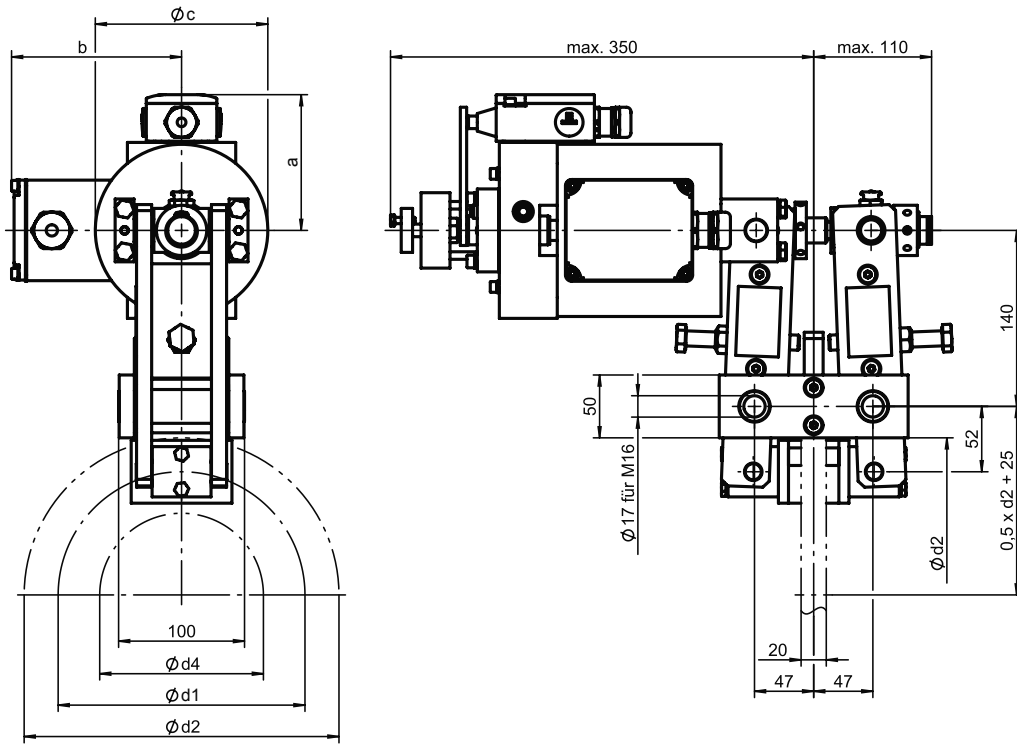


Disc Brake SB 17 MXs

with hydraulic damping unit – Dimensions and technical data



Rev. 03-18
MB-001676 a



Magnet dimensions			Lining
Type	a ca.	b ca.	Øc
112	108	121	114
113	108	121	114
133	108	135	137

Apply time adjustable 1...8 seconds

All dimensions in mm
Alterations reserved without notice

*) Average static coefficient of friction
for standard material combination

For crane brake layout use safety factors documented in the FEM 1.001, Section 1

The coefficient of friction is subject to fluctuations depending
on operational-, material- and ambient-conditions!
This must be considered during the selection!

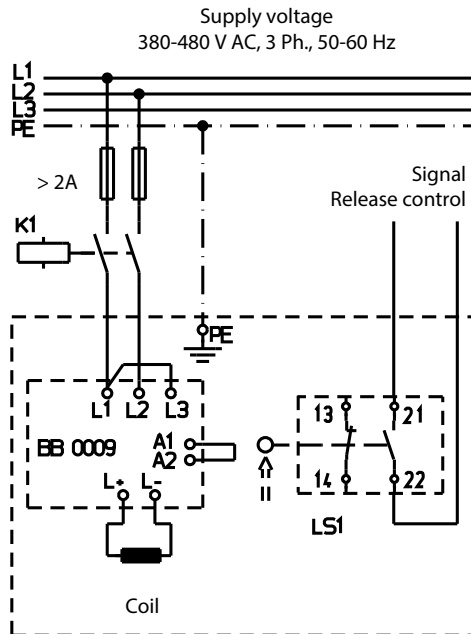
Weight with magnet: max. 26 kg		Magnet type	112	113	133
		Contact force in N	1000	1500	3000
Disc-Ø d ₂	Friction-Ø d ₁	Max. hub-Ø d ₄	Brake torque M _{Bf} in Nm Friction factor μ = 0,4*		
200	146	80	58		
225	171	105	68	102	
250	196	130	78	117	235
280	226	160	90	135	270
315	261	195	104	155	310
355	301	235		180	360
400	346	280		207	415
450	396	330			475
500	446	380			535

Disc Brake SB 17 MX

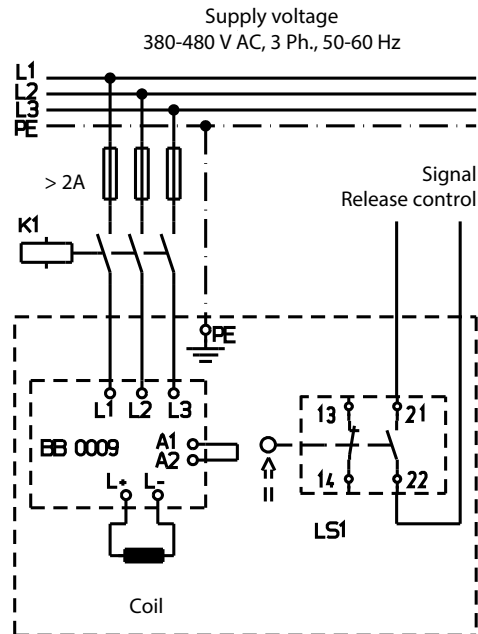
Connecting diagram internal rectifier/economizer



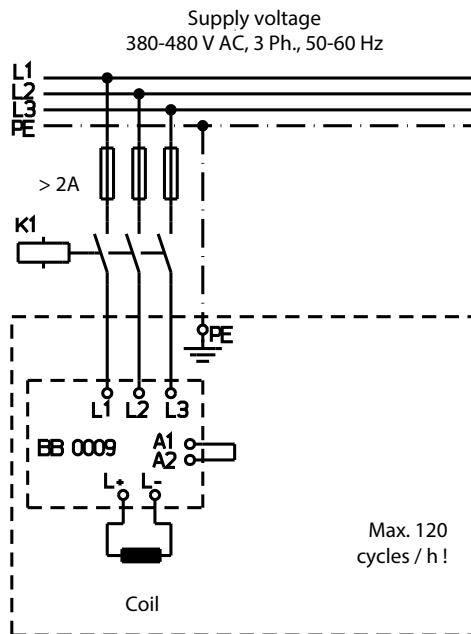
Rev. 07-14



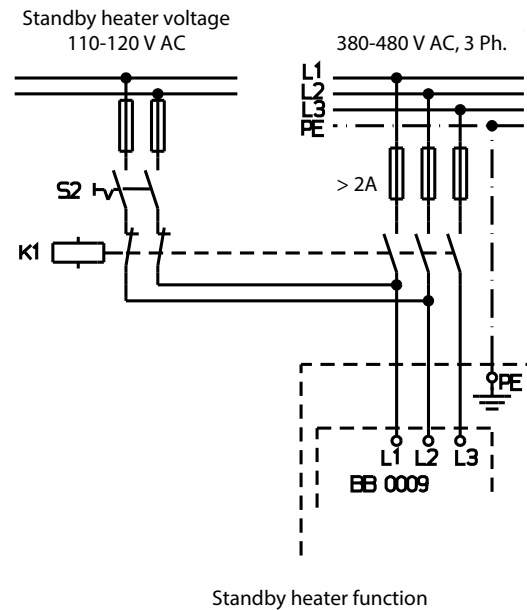
SB 17 MX 111



SB 17 MX 112/113/133



SB 17 MX without limit switch release control



Alterations reserved without notice

Supply voltage	Coil voltage
380-415 V AC	180 V DC
440-480 V AC	205 V DC

PINTSCH BUBENZER scope of supply:
SB 17 MX, coil
Rectifier / economizer BB0009 (built-in)
Limit switch LSI

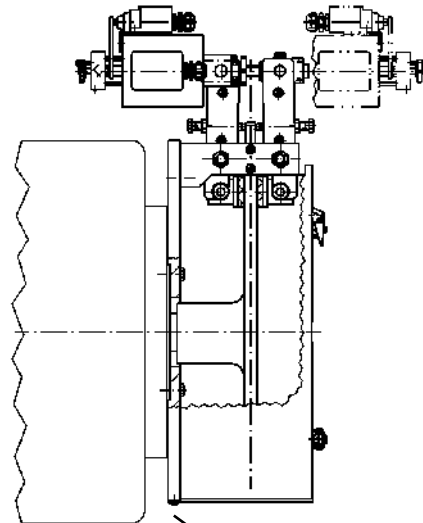
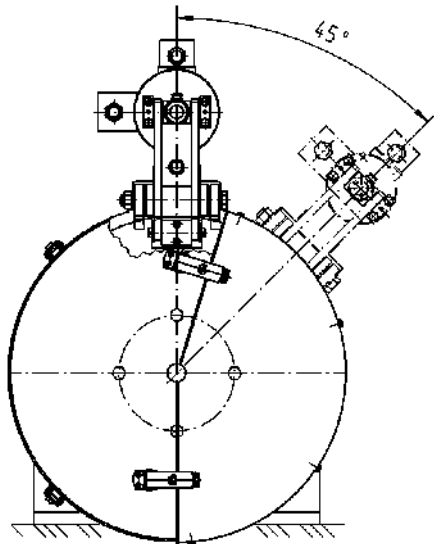
Disc Brake SB 17 MX

Installation example, motor mounted version



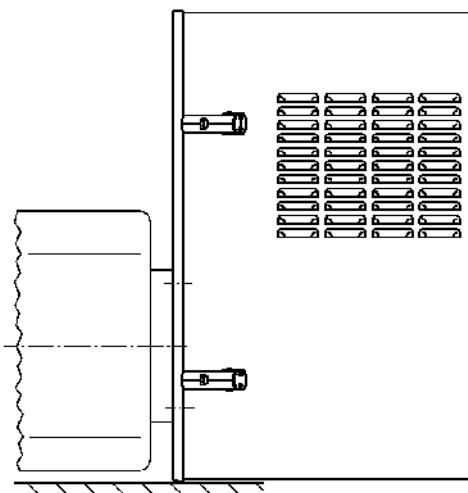
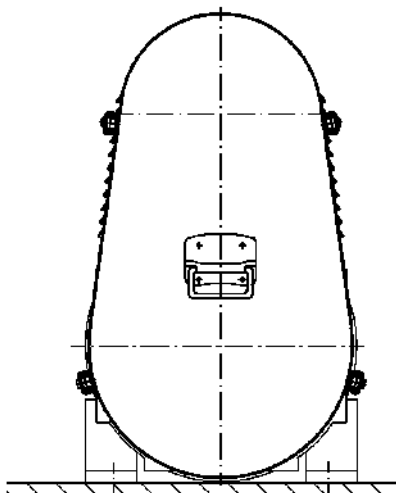
Rev. 12-06

Brake mountable in each 45° steps



Connection flange
Motor - Brake

With cover IP00



With cover IP22



When placing order, please indicate motor type.