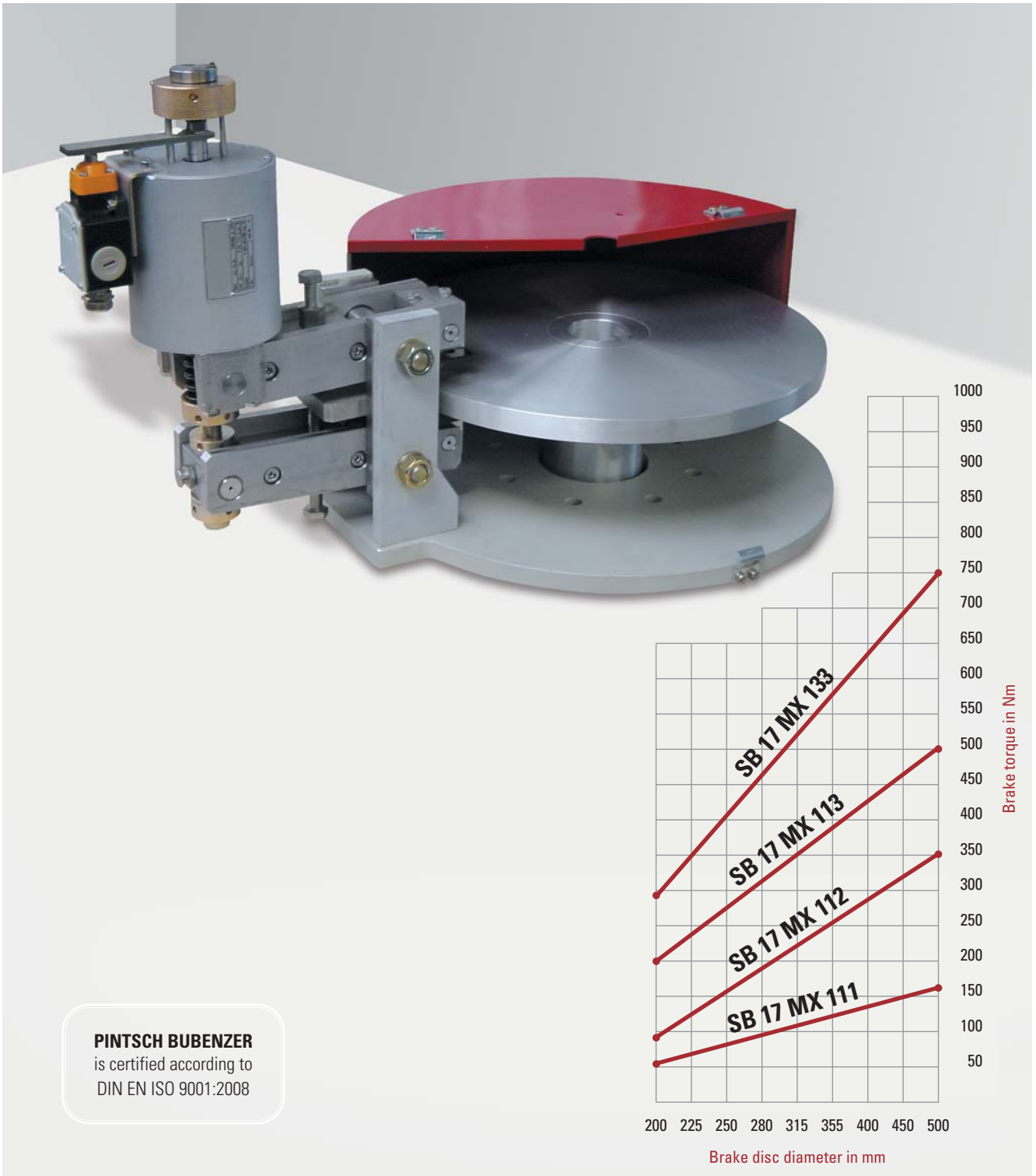




# Disc Brake SB 17 MX Series




**PINTSCH BUBENZER**  
is certified according to  
DIN EN ISO 9001:2008




Reliable



High Performance



Low Maintenance



Compact

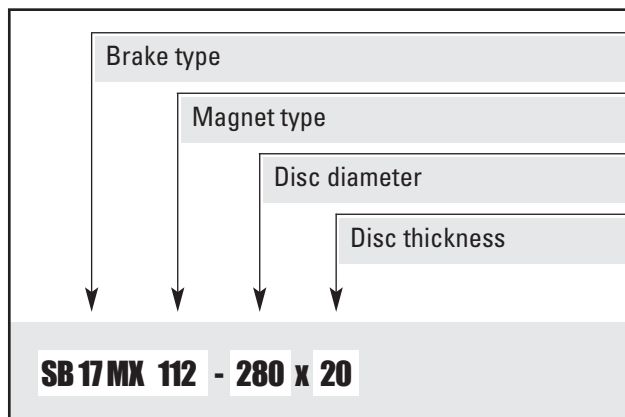
# Description SB 17 MX



## 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

## Ordering Example



## Options

- Automatic wear compensator and self-centering unit
- 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

## 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

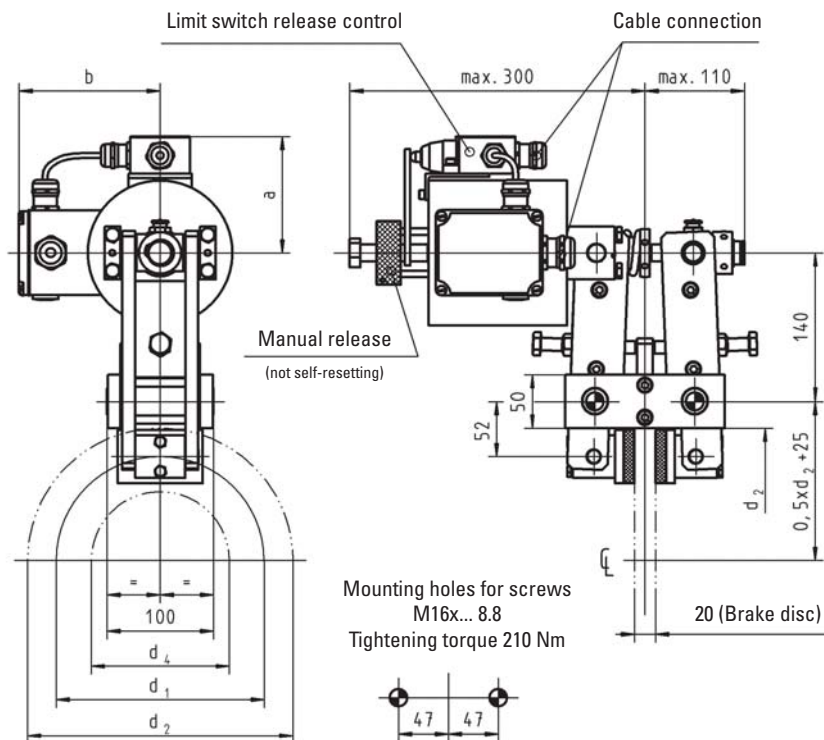
This includes the verification of the brake selection, if required. A detailed questionnaire is provided for this purpose. Installation and commissioning on-site by PINTSCH BUBENZER service engineers is possible. Drawings as DWG/DXF files for your engineering department are available upon request.

# Disc Brake SB 17 MX

Dimensions and technical data



Rev. 12-06



Magnet dimensions				Lining
Type	a	b	$\varnothing c$	$b_2$
111	105	120	114	40
112	105	120	114	40
113	105	120	114	50
133	115	133	137	50

\*) Average friction factor of standard material combination

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

All dimensions in mm  
Alterations reserved without notice

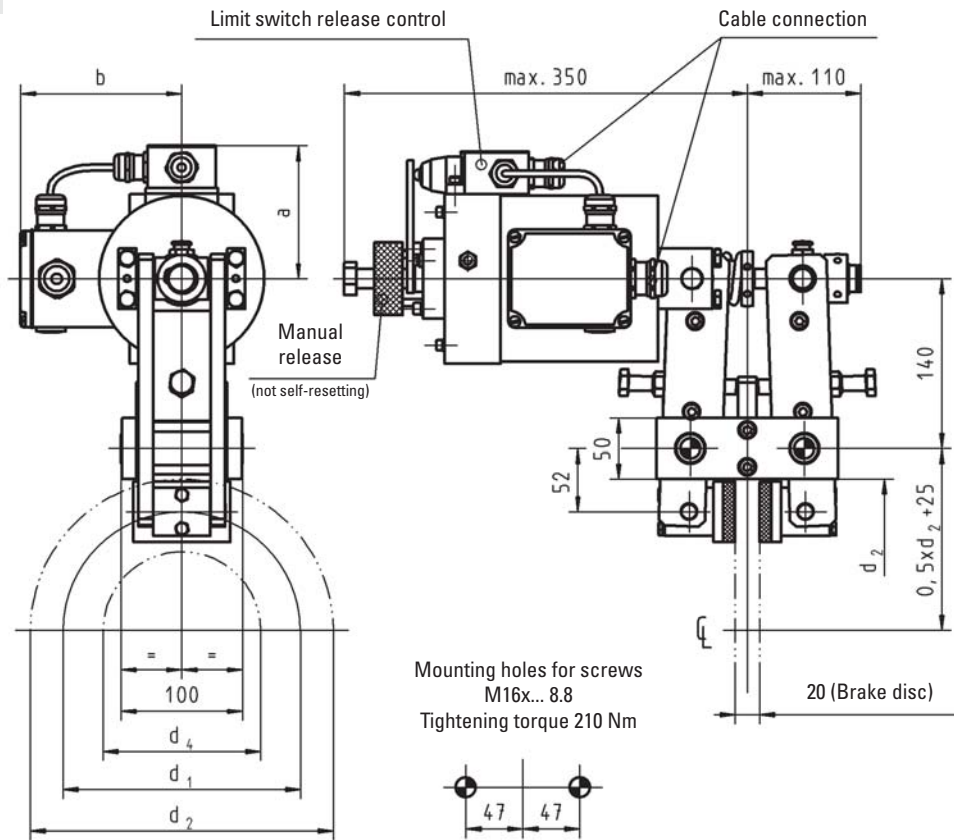
Weight: 24 kg max. incl. magnet		Magnet type		111	112	113	133
		Contact force in N		1100	2150	3150	4200
Disc $\varnothing$	Friction $\varnothing$	Hub $\varnothing$ max.		Brake torque $M_{Br}$ in Nm		Friction factor $\mu = 0,4^*$	
$d_2$	$d_1$	$d_4$					
200	146	80		60	130		
225	171	105		70	150		
250	196	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. 12-06



Magnet dimensions				Lining
Type	a	b	Øc	b <sub>2</sub>
111	105	120	114	40
112	105	120	114	40
113	105	120	114	50
133	115	133	137	50

Apply time adjustable 1...8 seconds

\*) Average friction factor of standard material combination

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

All dimensions in mm  
Alterations reserved without notice

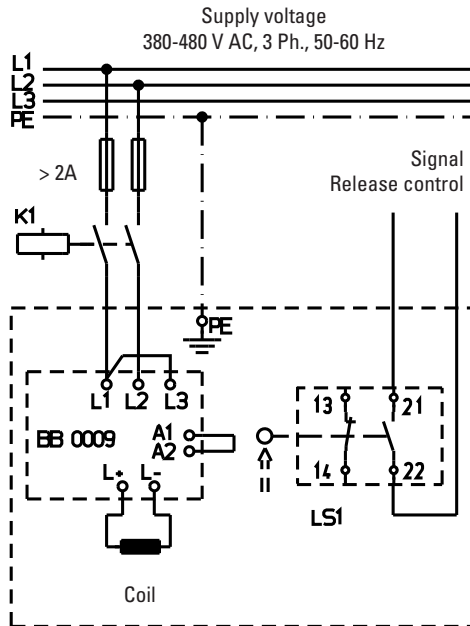
Weight: 26 kg max. incl. magnet		Magnet Type		
		Contact force in N		
Disc Ø	Friction Ø	Hub Ø max.		Friction factor $\mu = 0,4^*$
		d <sub>4</sub>		
		112	113	133
		1000	1500	3000
		Brake torque M <sub>Br</sub> in Nm		
d <sub>2</sub>	d <sub>1</sub>			
200	146	80		
225	171	105	102	
250	196	130	117	235
280	226	160	135	270
315	261	195	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

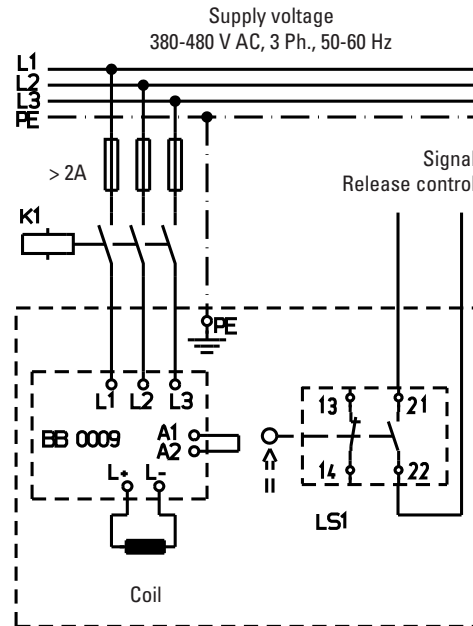
Connecting diagram internal rectifier/economizer



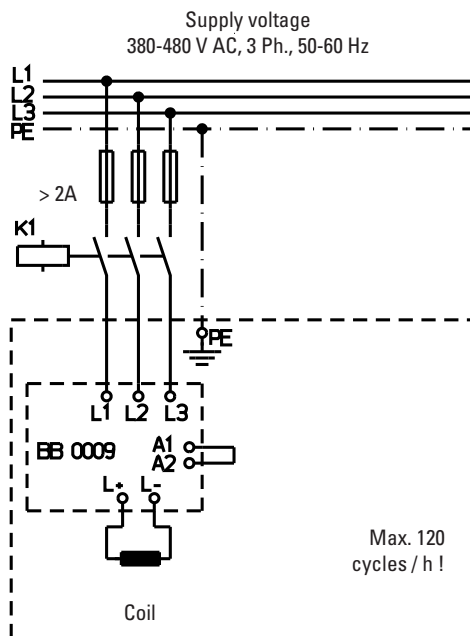
Rev. 07-14



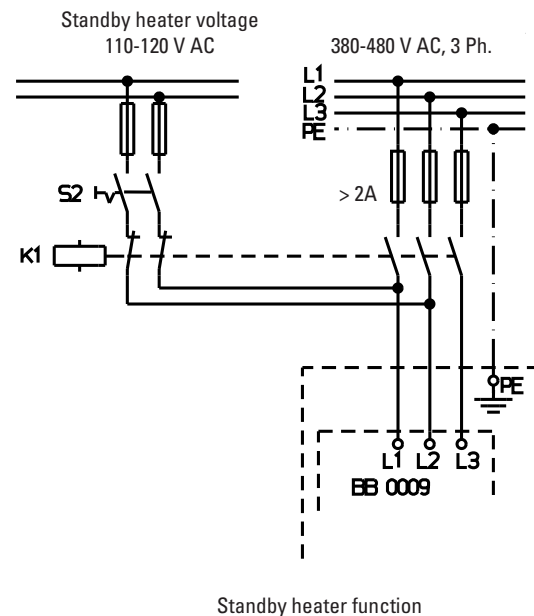
SB 17 MX 111



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 LS1

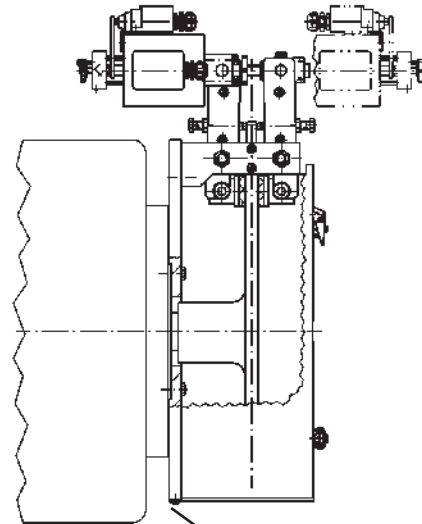
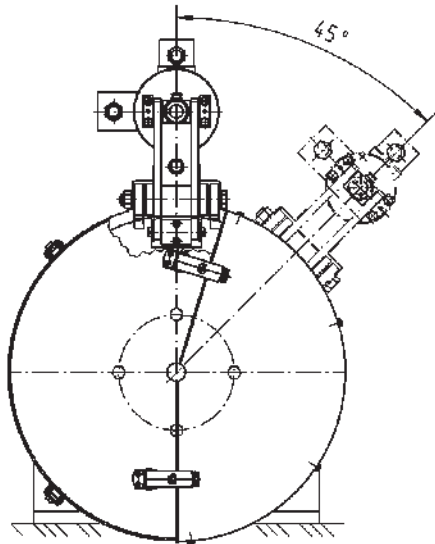
# Disc Brake SB 17 MX

Installation example, motor mounted version



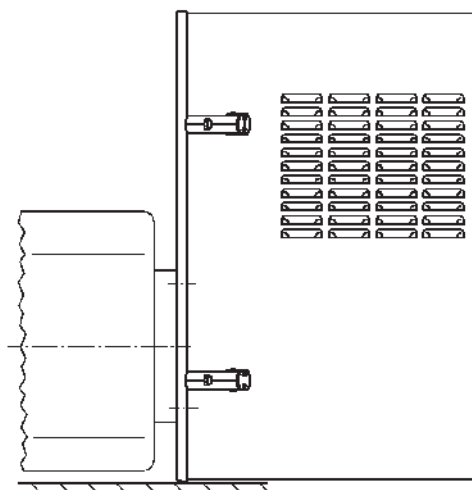
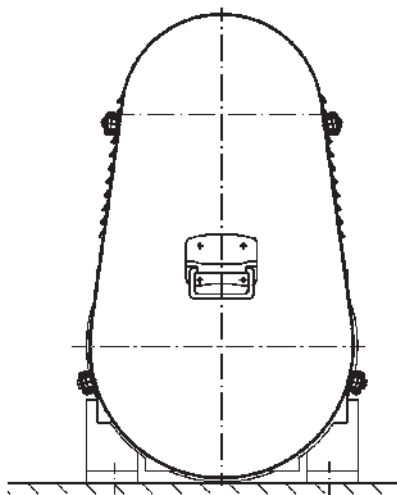
Rev. 12-06

Brake mountable in each 45° steps



With cover IP00

Connection flange  
Motor - Brake



With cover IP22



When placing order, please indicate motor type.