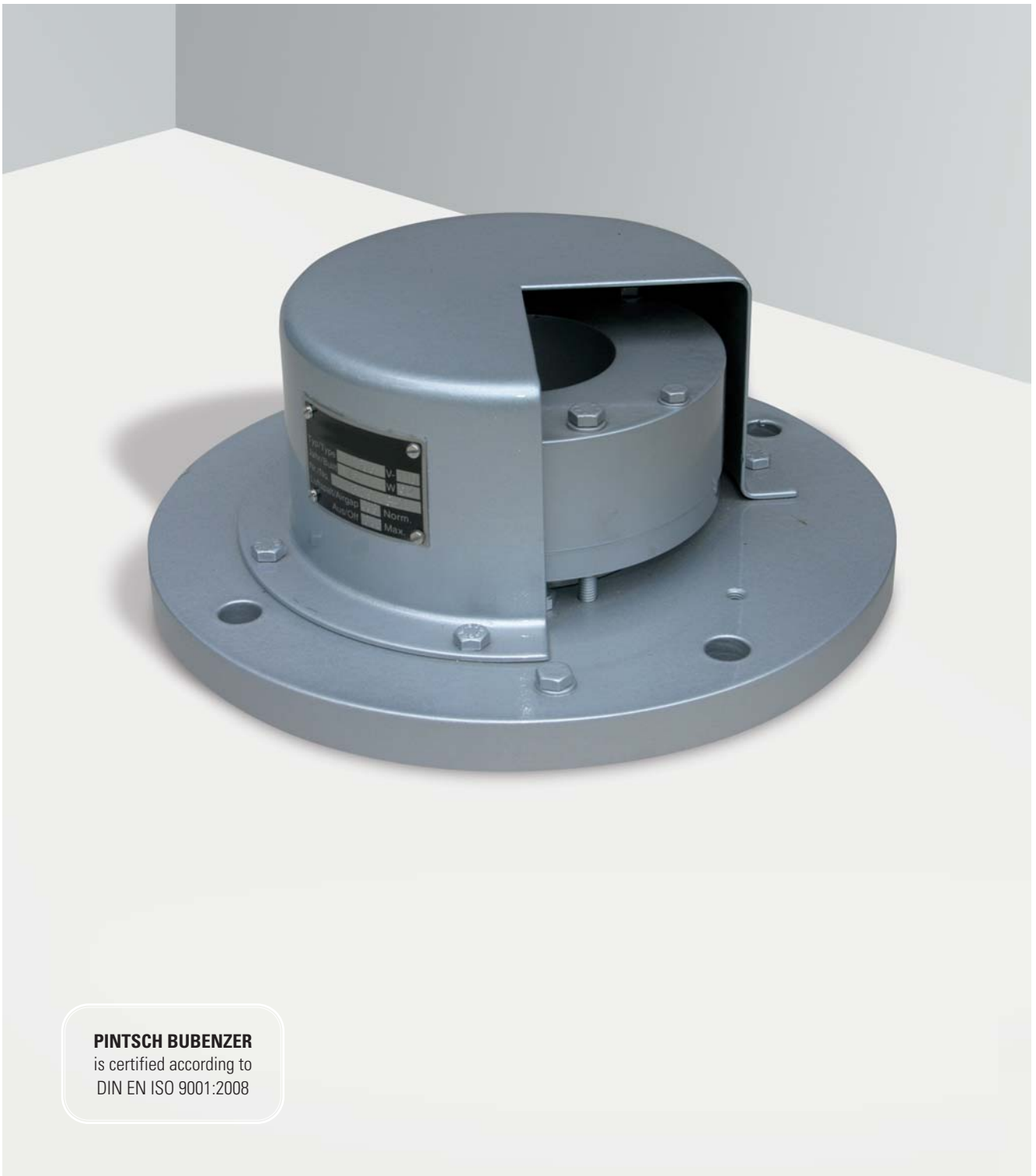


# Spring-Set Brake MFB



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



Reliable



High Performance



Robust



Easy Maintenance



Compact



Tried and Trusted

# Description MFB



## Main Features

Spring applied safety brake
Electromagnetic lifting
Protection-class IP56
Small construction at high work capacity
High wear reserve caused by high abrasion resistance
Manual lifting

## Applications

Predominant in static uses at shipbuilding industry as holding- or safety- brake
Industrial application with requirements of small dimensions at heavy duty applications

## Certificates

RMROS
-------

## Options

Cast iron cover (IP67)
Special voltage
Cover bore
Tacho preparation

## Electrical equipment

One-way, bridge and switching rectifier
Protective element
Brake control unit = BCU 2001
Brake control and monitoring system = BCMS-4



### 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 therefore 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 is possible by PINTSCH BUBENZER service engineers. Drawings as DWG/DXF files for your engineering department are available upon request.

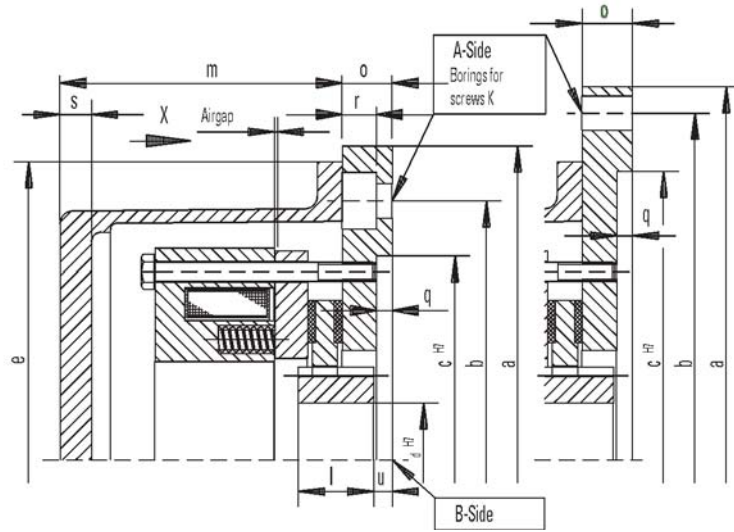
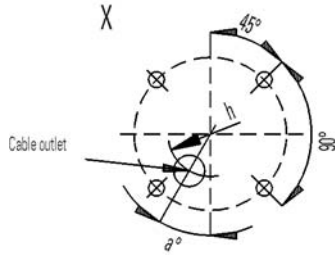
# Spring-Set Brake MFB

Electromagnetic Two-Disc Spring-Set Brake



Rev. 05-08

Arrangement of borings for screws K at the standard intermediate flange



Keyways for keys to DIN 6885 T1, width accuracy P9

Brake torque acc. to DIN VDE 0580  
Protection IP56

Alterations reserved without notice

Brake size		MFB 1	MFB 2.5	MFB 5	MFB 10	MFB 16					
Brake torque	Nm	10	25	50	100	160					
Moment of inertia	kgm <sup>2</sup>	0.000145	0.0005	0.0012	0.0020	0.0048					
Mass (weight)	kg	9	10	15	21	24					
max. speed	min <sup>-1</sup>	5500	4500	4000	3500	3000					
Coil b. 20° C	Nominal voltage	V –	110	110	110	110					
	Nominal power	W	31	52	76	94	125				
	Nominal current	A	0.28	0.47	0.69	0.85	1.14				
Airgap, OFF		norm. mm	0.2	0.2	0.3	0.3					
		max. mm	0.5	0.6	0.8	1.1					
Diameter mm	B-Seite	d Rough boring	10	10	15	15	26				
		d <sup>H7</sup> Preferential boring	22	24	24	28					
		d <sup>H7</sup> maximal	22	35	45	55	60				
		e	190	190	238	260	300				
Length mm	l	20.5	24	26.5	30	40					
	m	81.5	81.5	101.5	111.5	102					
	s	1.5	1.5	1.5	1.5	1.5					
	u	8	6	6	6	6					
A	α°	15	15	15	15	15					
Suitable standard intermediate flange		A200	A200	A250-1	A300	A300-2					
		A250-2	A250	A300-1	A350	A350-1					
Dimensions of intermediate flanges											
Standard intermediate flange		A200	A250	A250-1	A250-2	A300	A300-1	A300-2	A350	A350-1	
Diameter mm	a	200	250	250	250	300	300	300	350	350	
	b	165	215	215	215	265	265	265	300	300	
	c <sup>H7</sup>	130	180	180	180	230	230	230	250	250	
	h	114	144	162	114	200	170	208	200	208	
Length mm	o	16	18	18	18	18	18	18	20	22	
	q	5	5	5	5	5	5	5	6	6	
	r	11	13	13	13	13	13	13	17.5	17.5	
	Screws	k	4xM10	4xM12	4xM112	4xM12	4xM12	4xM12	4xM12	4xM16	4xM16