

Spring Set Brake KFB



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



Reliable



High Performance



Robust



Easy Maintenance



Compact



Tried and Trusted

Description KFB



Main Features

Spring applied safety brake
Electromechanically released
Protection-class IP67 – seawater protected
High wear reserve by multiple air gap adjustment
Small construction at high work capacity
High availability caused by high durability
Functional without cover
Emergency release screws

Applications

Gantry, trolley and hoisting application
Dynamic and static use at general industrial applications
General engineering
Steel mills
Wind energy systems
Coal mining

Certificates

ABS, ATEX

Options

Special brake torque
Handlever
Micro or proximity switch: <ul style="list-style-type: none">• Monitoring the function on/off• Maximum air gap (wear-monitoring)
Lateral junction box
Tacho preparation with all mounting parts
Cover bore
Shaft sealing
Special voltage
Anti condensation heater
Radial cable outlet
Special flange

Electrical equipment

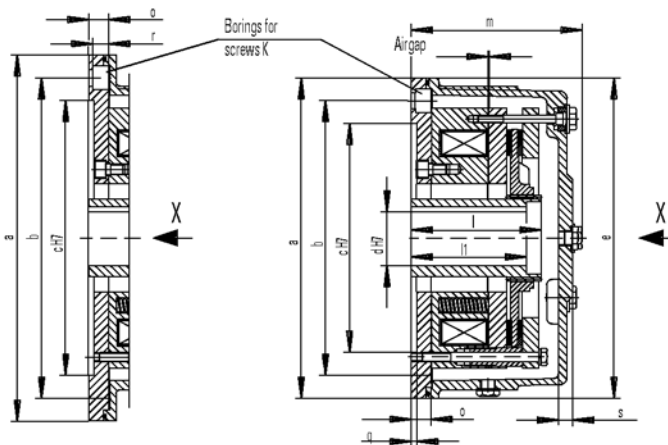
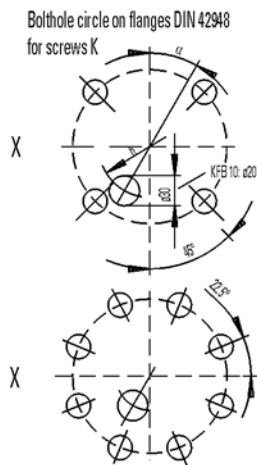
One-way, bridge and switching rectifier
Protective element
Brake control unit = BCU 2001
Brake control and monitoring system = BCMS-4

Spring Set Brake KFB

Electromagnetic Two Disc, Spring Set Brake



Rev. 10-09



* The larger dimension belongs to the larger assigned brake.

Alterations reserved without notice.

Brake size		KFB 5	KFB 10	KFB 16	KFB 25	KFB 30	KFB 40	KFB 63	KFB 100	KFB 160
Brake torque M2 dynamic acc. to DIN VDE 0580 Nm		50	100	160	250	300	400	630	1000	1600
Mass moment of inertia kgm ²		0.0010	0.0017	0.0037	0.0048	0.0055	0.0068	0.0175	0.036	0.050
Mass (weight) kg		13	19	28	42	50	55	74	106	168
max. speed min ⁻¹		6000	6000	6000	6000	6000	5500	4700	4000	3600
Coil b. 20° C	Nominal voltage V DC	110	110	110	110	110	110	110	110	110
	Nominal power W	79	93	128	158	133	196	220	307	344
	Nominal current A	0.72	0.84	1.16	1.44	1.2	1.78	2.0	2.79	3.13
Air gap, OFF										
		norm. mm	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
		max. mm	0.8	1.0	1.0	1.2	0.8	1.2	1.6	1.8
Diameter mm	B-Side	d pilot bore	8	26	26	36	26	36	36	36
		d ^{H7} preferential bore	15	28	28	38	32	38	48	60
			20	32	32	42	38	42	55	65
			25	38	38	48	42	48	60	75
Length mm	e	160/200	200/250	253/303	300/350	250/300	303/350	350/400	400/450	450/550
	f									
	h	93	106	144	194	144	194	214	264	314
	l	110	110	96	117	137	117	142	148	155
	l ¹	110	110	96	117	137	117	142	142	142
	m	145	154	141	165	175	175	187	196	218
A	α °	13	15	15	15	15	15	15	15	17
Suitable standards flanges		A160	A200	A250	A300	A250	A300	A350	A400	A450
		A200	A250	A300	A350	A300	A350	A400	A450	A550
		Dimensions of standards flanges								
Size of standards flanges		A160	A200	A250	A300	A350	A400	A450	A550	
Diameter mm	a	160	200	250	300	350	400	450	550	
	b	130	165	215	265	300	350	400	500	
	c ^{H7}	110	130	180	230	250	300	350	450	
Length mm	o	18	18	18/20*	20/22*	22	22/24*	24/29*	24/29*	
	q	5	5	5	5	6	6	6	6	
	r	11	11	13	13	17.5	17.5	17.5	17.5	
	Screws k	4xM8	4xM10	4xM12	4xM12	4xM16	4xM16	8xM16	8xM16	