Spring Set Brake KFB

PINTSCH BUBENZER

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

Reliable	High Performance	Robust	Easy Maintenance	Compact	Tried and Trusted

Description KFB

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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:
  - 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

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.

Spring Set Brake KFB
Electromagnetic Two Disc, Spring Set Brake

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Bolthole circle on flanges DIN 42948 for screws K

Borings for screws K

Airgap
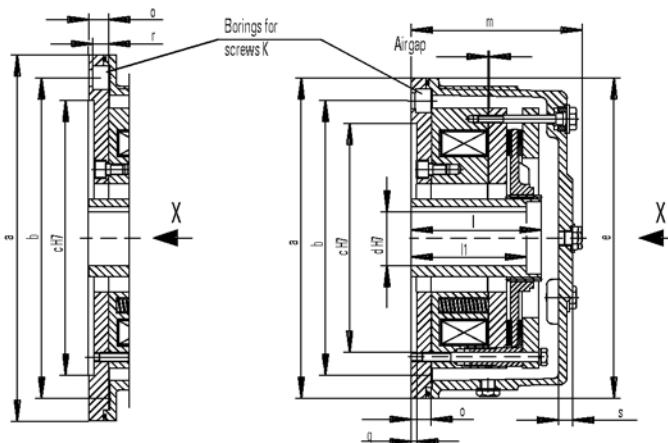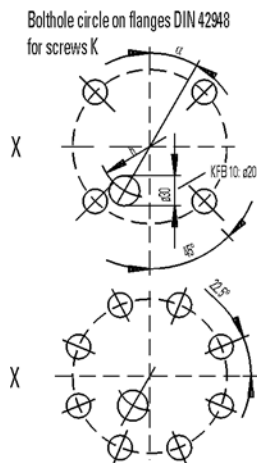
* The larger dimension belongs to the larger assigned brake.

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 intertia		kgm²	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	0.3	0.4	0.4	0.4
		max. mm	0.8	1.0	1.0	1.2	0.8	1.2	1.3	1.6	1.8
Diameter mm	B-Side	d pilot bore	8	26	26	36	26	36	36	36	36
		d H7 preferrential bore	15	28	28	38	32	38	48	60	60
			20	32	32	42	38	42	55	65	65
			25	38	38	48	42	48	60	75	75
						55	45	55			
Lenght 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
		l¹	110	110	96	117	137	117	142	142	142
		m	145	154	141	165	175	175	187	196	218
		s	13	15	15	15	15	15	15	15	17
A		α °	22.5	30	30	30	67.5	30	30	30	30
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
Lenght 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