

Spring Set Brake KFB





High Performance

Robust

Easy Maintenance

Compact

Tried and Trusted

EURO HUBNER

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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
Gandy, croney 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.

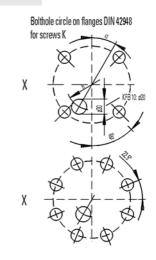


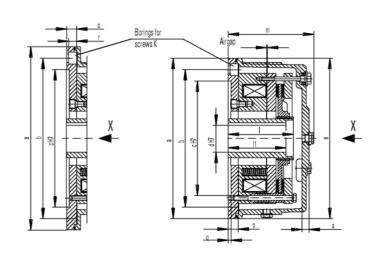
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Electromagnetic Two Disc, Spring Set Brake



Rev. 10-09





*	he larger dimension belongs to the larger	-
	assigned brake.	

Alterations reserved without notice.

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Brake	KFB KFB 5 10			KFB	KFB	KF		KFB	KFB	KFB	KFB		
	5		0	16	25	3	0	40	63	100	160		
Braket	50	10		160	250	20	00	400	630	1000	1600		
dynam	ic acc. to DI	NVDE0580 ^{Nm}	50			100	250	50		400	020	1000	1000
Mass m	oment of int	ertia kgm ²	0.0010	0.0	017	0.0037	0.0048	3 0.0	055	0.0068	0.0175	0.036	0.050
Mass (weight) kg				13 19		28	42	5	0	55	74	106	168
max.speed min ⁻¹				0 6000		6000	6000	6000		5500	4700	4000	3600
Coil 20°C	Nominalv	110	11		110	110	11	-	110	110	110	110	
	Nominal p	79	9		128	158	13	-	196	220	307	344	
р. -	Nominal c		0.72	0.	-	1.16	1.44	1.		1.78	2.0	2.79	3.13
Air gap	p, OFF norm. mm max. mm		0.3	0.	-	0.3	0.3	0.		0.3	0.4	0.4	0.4
7 in gap	., 011	0.8	1.	-	1.0	1.2	0.		1.2	1.3	1.6	1.8	
F		d pilot bore	8	2		26	36	2		36	36	36	36
Diameter mm	Ð		15	2		28	38	3		38	48	60	60
etei	B-Side	d ^{H7} preferrential bore		20 32		32	42	3		42	55	65	65
ame	ц.		25	38		38	48	4		48	60	75	75
Ō							55	55 45		55			
				_				_					
			160/20	0 200	/250	253/303	300/35	0 250	/300	303/350	350/400	400/450	450/550
	e f		100/20	100/200 200/23		233/303 300/33		0 230	/300	303/330	550/400	400/430	430/330
	h		93 106)6	144	194 144		14	194	214	264	314
Lenght mm	1		110	11		96	117	13		117	142	148	155
m Ler		110			96	117	13		117	142	142	142	
		145 154			141		165 175		175	187	196	218	
		13	1		15	15	1		15	15	15	17	
∢		α°	22.5	3	0	30	30		7.5	30	30	30	30
		A160	A2	00	A250	A300	A2	50	A300	A350	A400	A450	
	Suitable e	tandarde flanges	A200	A2	50	A300	A350	A3	00	A350	A400	A450	A550
Suitable standards flanges													
					Dim	ensions of	f standa	rds flang	jes				
	Size of st	A160	A200	A250		A350	A400	A450	A550				
er m	a		160	200	250		350	400	450	550			
Diameter m	b		130	165	215		300	350	400	500			
Ē	C ^{H7}		110	130	180		250	300	350	450			
+	0		18	18	18/20		22	22/24*	24/29*				
Lenght mm		5	5	5	5	6	6	6	6				
	Screws	11	11	13	13	17.5	17.5	17.5	17.5				
	4xM8	4xM10	4xM1	2 4xM12	4xM16	4xM16	8xM16	5 8xM16					