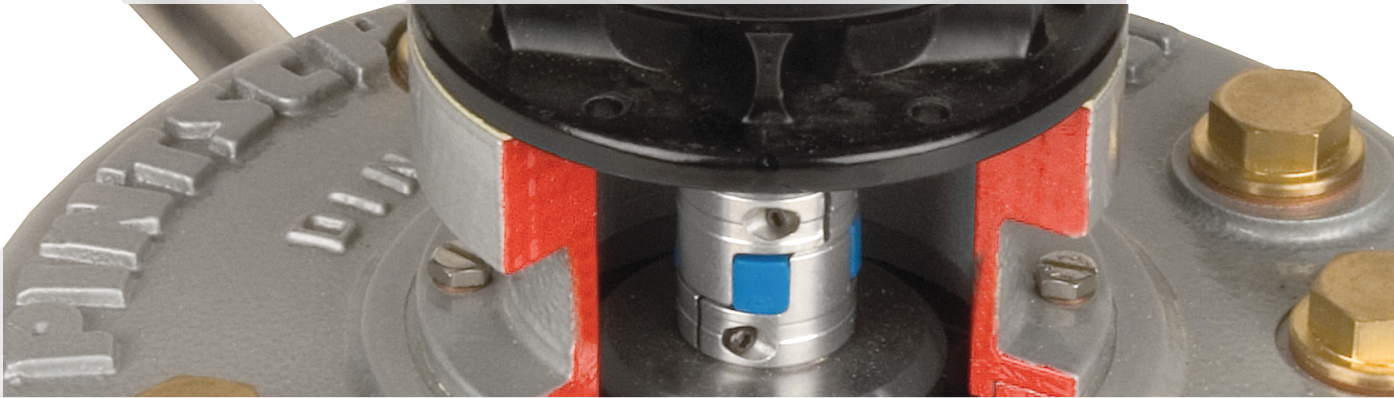
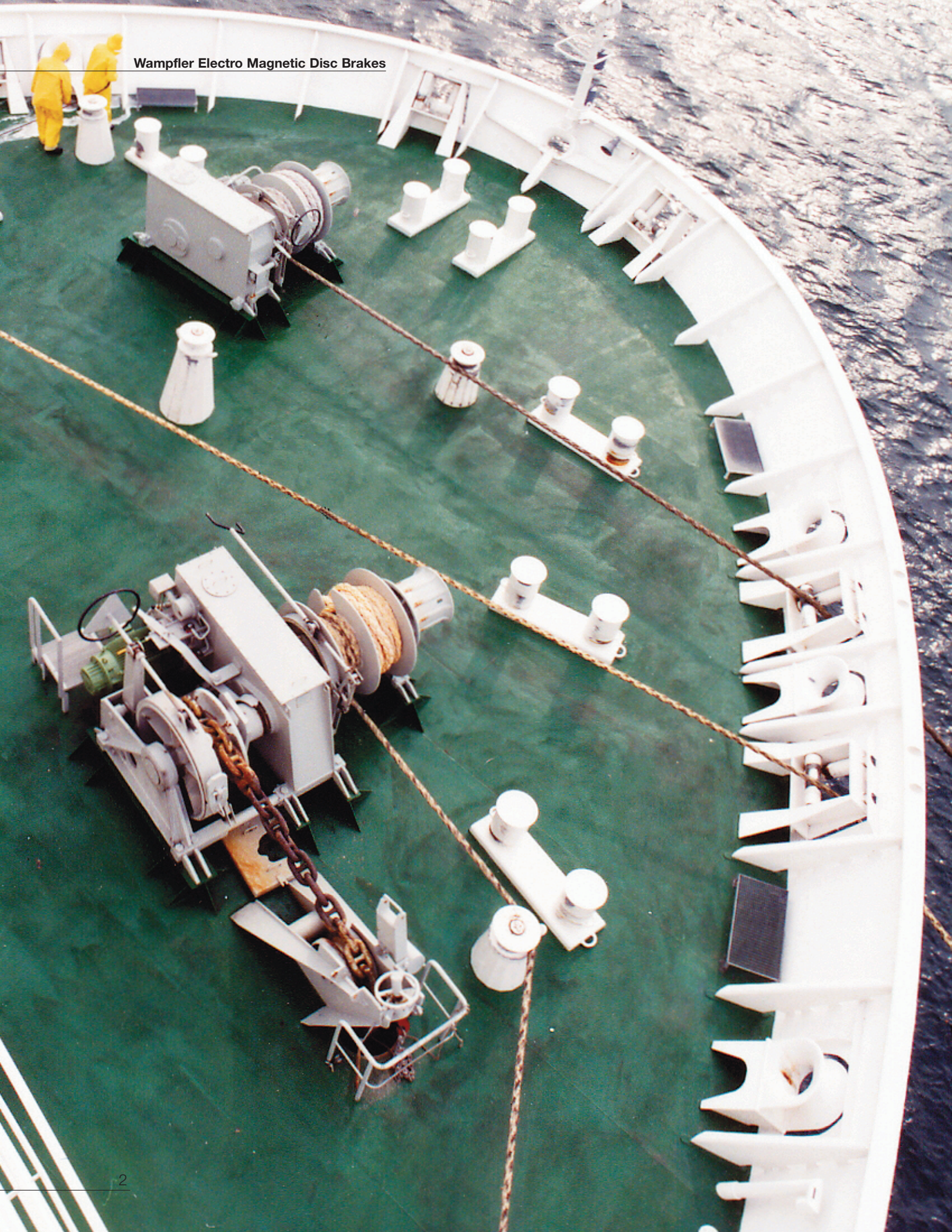


Product Overview

Electro Magnetic Disc Brakes



KAT0940-0001-USA



Proven reliability!

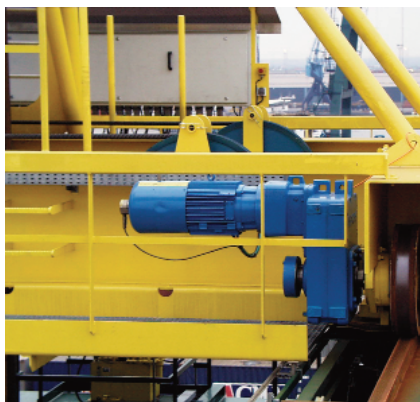
Through a partnership with Pintsch Bamag of Dinslaken, Germany, a manufacturer of top quality motor mounted disc brakes since 1935, Wampfler has further established itself as a full line provider in the field of high quality solutions for moving machinery.

Pintsch Bamag has adopted a compatible philosophy of designing and producing the most reliable and durable brakes in the industry. The brakes adhere to DIN, EN and ISO 9001 standards and carry product licenses from all relevant classification societies such as ABS and Lloyds. Pintsch Bamag's many years of experience and highly technical production methods have thrust them to the forefront of the brake industry. To remain the global leader in brake technology, Pintsch Bamag invests a great deal of energy and resources into research and development. Continual testing in real world conditions is conducted to ensure the safety of each and every brake produced.

Electromagnetic, motor mounted spring applied disc brakes are employed world-wide on ship-to shore container cranes, rubber tired gantry cranes, on-board ship winches, heavy duty steel mill cranes and oil rig derricks just to name a few.

The simplistic design and durable friction linings ensure minimal maintenance and hours of reliable service. With brake sizes accommodating torque requirements from 10 Nm to over 10,000 Nm, Pintsch Bamag brakes can handle just about any application. Both the SFB and KFB series of brakes carry an IP67 submersion rating, so wet, humid environments do not present any issues for proper brake operation.

You can count on Wampfler and Pintsch Bamag to provide the right solutions wherever reliability is important, worldwide.



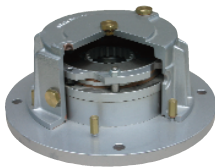
Four models to fit every need

Wampfler offers 4 models of Motor Mounted Disc Brakes to best suit a variety of applications. All brake models are dynamically rated and designed to set when the motor power is off, creating a safe condition if electrical power should be lost. SFB and KFB models carry a rating of IP67, allowing for

full submersion. Brake torques range from 7.4 ft/lbs (10Nm) to 7400 ft/lbs (10,000Nm) depending on the model and carry a standard coil voltage of 207 volt DC. Non standard voltages other than 207 volt DC are available upon request. Adapter flanges can be provided to mount to both

NEMA and IEC motor frame dimensions. Anti-condensation heaters, micro switches to indicate on/off and pad wear, as well as voltage rectifiers are also available. All of the Pintsch Bamag series of brakes can be mounted either vertically or horizontally.

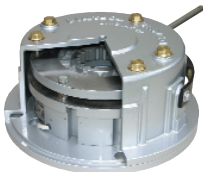
Brake series SFB



With an IP67 rating, the SFB model is well suited for applications that exist in wet environments, such as ship-board winches, wharf cranes, and on port cranes of various types. Other application areas include

use with long traveling, trolley and hoisting gear on overhead bridge cranes and RTG's. SFB brakes can also be found in steel mills, aluminum smelters and on amusement rides.

Brake series KFB



The KFB model of brakes are dynamically rated and well suited for mounting on internally and externally ventilated motors on long traveling, trolley and hoisting gear in crane installations. The

IP67 rating makes this brake ideally suited for heavy duty, industrial applications. The KFB series is available with an externally mounted, manual release lever.

Brake series EFB



Carrying an IP class of 54, the EFB model is primarily used on the driven side of electric motors employed on textile machines, machine tools and conveyor systems. The EFB model can be

designed to be mounted between the motor and gear box on a "b" side arrangement. The EFB model is available with an external manual release lever.

Brake series MFB



The MFB series is used primarily as a safety or holding brake in the shipbuilding industry. The IP56 rated brakes is mounted to the non-driven side of the motor. The MFB is used when size,

robustness and work capacity are of key importance. The MFB is available with a standard sheet metal enclosure or an optional cast metal cover.

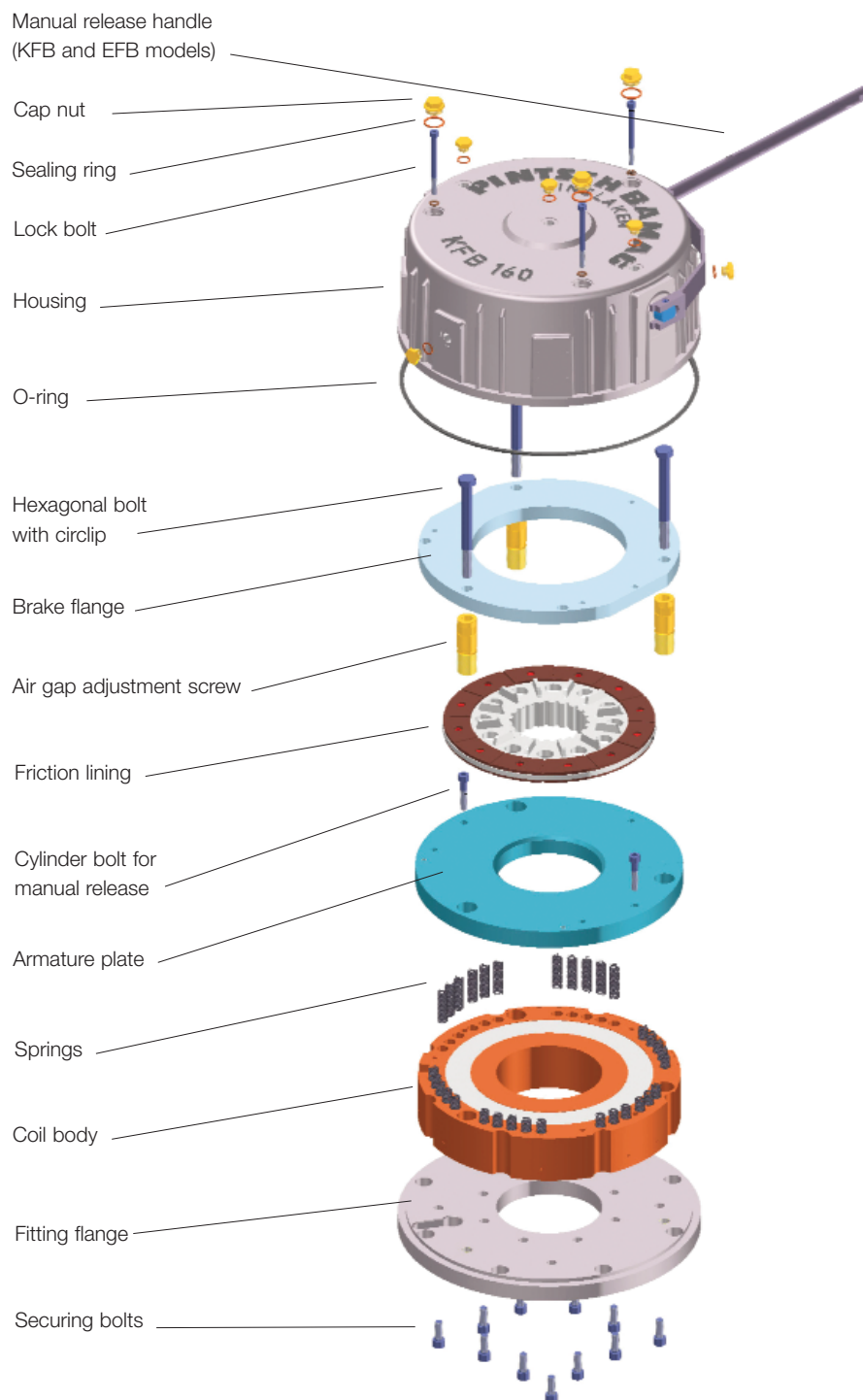


The basics



Operation

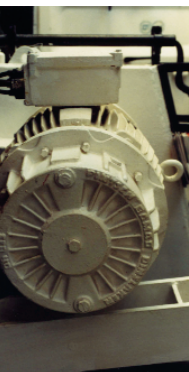
When the brake current is switched on, an electromagnetic field is built up and the spring tension of the brake is overcome by the armature plate. When the spring tension is released, the corresponding sub-assemblies, including the motor shaft, are allowed to move freely. Now the brake is "released". When the brake current is switched off, or when the power circuit experiences a failure, the brake's electromagnetic field collapses. When the field collapses, the spring tension pushes the armature plate away from the brake coil, securing the friction disc and motor shaft. Now the brake is "set".



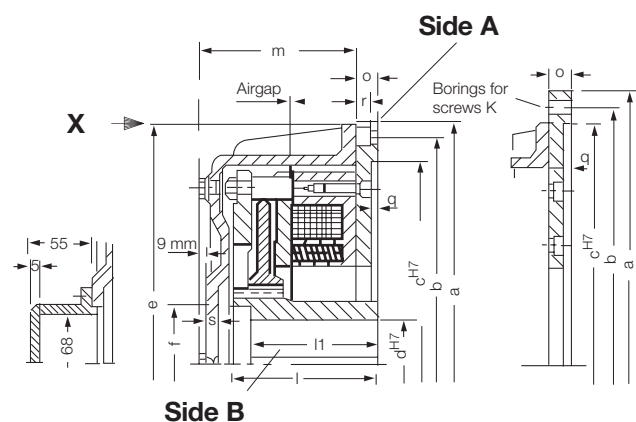
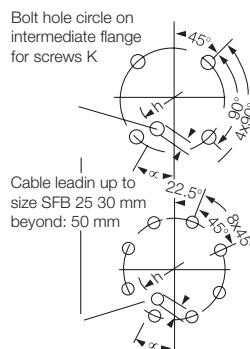
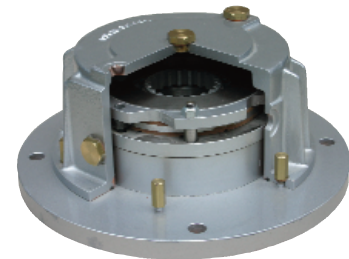


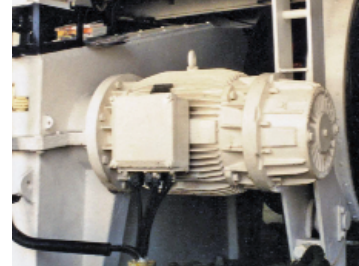
Type SFB

The salt-water-proof series SFB brakes have been used successfully for many years in shipbuilding on winch and derrick motors and on harbor cranes as a safety, service and holding brake. SFB series brakes have also been used in crane installations on the long travel, trolley and hoisting motors as well as in machine construction of varying types. The brakes are mounted to the non-drive side of the electric motor and are easily accessed for monitoring and maintenance. The SFB series carry an IP67 rating and are considered fully submersible, making them ideally suited for applications at or near waterfronts. The SFB brakes incorporate a friction pad design that allows for a one-time readjustment to allow for greater pad wear and has two external access ports to allow for manually releasing the brake. The SFB series also carries a number of relevant societal classifications including, Lloyd's Register, American Bureau of Shipping, Maritime Register of Shipping and Bureau Veritas just to name a few.



- Torque ratings from 45ft/lbs (63Nm) to 7400 ft/lbs (10,000Nm)
- IP67 rated, submersible
- Standard DC coil with H class insulation
- Can be mounted either vertically or horizontally
- Large work capacity for heavy, frequent stops
- Simple, one-time brake pad adjustment
- Manual release via two bolts
- Fully functional with housing removed
- Long coil springs ensure even torque throughout the allowed air gap range
- Most standard NEMA and IEC flanges available, adapters can be made for non-standard applications
- Certification from relevant classification societies





SFB application data

Brake size	SFB	6.3	10	16	25	40	63	100	160	250	400	630	1000
Dynamic torque	Lbft/Nm	46/63	74/100	118/160	185/250	295/400	465/630	738/1000	1181/1600	1845/2500	2952/4000	4649/6300	7380/10000
Static torque	Lbft/Nm	51/69	81/110	129/175	203/275	325/440	509/690	812/1100	1292/1750	2030/2750	3247/4400	5092/6900	8118/11000
Mom. of inertia	kgm ²	.0017	.0037	.0048	.0068	.0175	.036	.050	.128	.140	.325	.375	1.007
	lb-ft ²	.0403	.0878	.114	.161	.415	.854	1.19	3.04	3.32	7.71	8.90	23.90
Weight	Lbs/Kg	42/19	62/28	92/42	121/55	163/74	233/106	370/168	532/242	673/306	785/357	1100/500	1650/750
Max. speed	RPM	6000	6000	6000	4700	4000	3600	3200	2800	2500	2200	2200	2000
Standard volt.	VDC	110, 207 standard all (24 to 240 available all)											
Standard volt.	VAC	120, 240, 460 standard all											
Amps at standard volt.	A	.90	1.16	1.44	1.78	2.00	2.79	3.13	3.95	4.50	5.03	6.10	8.91
Power	W	99	128	158	196	220	307	344	435	495	553	671	980
Airgap min.	In./mm	.012/.3	.021/.3	.012/.3	.016/.4	.016/.4	.016/.4	.016/.4	.016/.4	.016/.4	.016/.4	.028/.7	.028/.7
Airgap max.	In./mm	.051/1.3	.051/1.3	.055/1.4	.055/1.5	.063/1.6	.063/1.8	.083/2.1	.094/2.4	.106/2.7	.114/2.9	.126/3.2	.138/3.5
Pinion pilot bore	In./mm	1.024/26	1.024/26	1.417/36	1.417/36	1.417/36	1.417/36	1.417/36	1.811/46	1.811/46	1.811/46	2.283/58	2.677/68
IEC standard pinion bores	mm	28	28	38	38	48	60	60	65	65	65	100	125
		32	32	42	42	55	65	65	70	70	70		
		38	38	48	48	60	75	75	75	75	75		
				55	55				80	80	80		
NEMA standard pinion bores	In.	1.375	1.375	1.625	1.625	1.875	1.875	2.125	2.125	2.375	2.375		
		1.625	1.625	1.875	1.875	2.125	2.125	2.375	2.375	2.625	2.625		
				2.125	2.125	2.375	2.375	2.625	2.625	2.875	2.875		
						2.625	2.625	2.875	2.875	3.375	3.375		
Pinion max. bore	In./mm	1.575/40	1.575/40	2.165/55	2.165/55	2.362/60	2.953/75	2.953/75	4.331/110	4.331/110	4.331/110	4.921/125	5.512/140
e	In./mm	9.37/238	10.24/260	11.02/280	12.52/318	15.75/400	17.32/440	17.56/446	21.26/540	21.89/556	25.98/660	27.56/700	31.30/795
f	In./mm						3.74/95	3.74/95	5.04/128	5.04/128	5.04/128	5.51/140	6.10/155
h	In./mm	5.91/150	7.09/180	7.96/202	8.43/214	9.61/244	11.50/292	12.99/330	15.51/394	17.32/440	20.47/520	22.44/570	24.41/620
l	In./mm	3.78/96	3.78/96	4.61/117	4.61/117	5.59/142	5.83/148	5.83/148	7.52/191	7.52/191	7.52/191	9.33/237	11.10/282
l1	In./mm	3.78/96	3.78/96	4.61/117	4.61/117	5.59/142	5.59/142	5.59/142	6.73/171	6.73/171	6.73/171	8.27/210	8.27/210
m	In./mm	4.53/115	4.65/118	5.39/137	5.63/143	6.65/169	6.73/171	7.20/183	8.31/211	9.13/232	10.71/272	12.20/310	14.17/360
s	In./mm	.433/11	.433/11	.433/11	.472/12	.551/14	.591/15	.591/15	.591/15	.591/15	.591/15	.591/15	.591/15
α	°	15	15	30	22.5	30	30	30	30	45	30	30	30
Suitable flanges	A250	A300	A300-1	A350	A400	A400-1	A450-1	A450-1	A550-1	A660	A660-1	A800	A800-1
	A300	A350	A350	A400	A450	A550	A660	A660	A800	A800	A800		
			A400	A450	A550	A660	A660	A660	A800				
			A450										

Dimensions of NEMA flanges (In.)

SFB	6.3	10	16	25	40	63	100	160	250	400	630	1000
a	9.84	11.81	13.78	13.78	17.71	17.71	17.71	21.65	25.98	25.95	31.5	31.5
(AJ) b	7.25	9.0	11.0	11.0	14.0	14.0	As req.	As req.	As req.	As req.	As req.	As req.
(AK) c	8.5	10.5	12.5	12.5	16.0	16.0	As req.	As req.	As req.	As req.	As req.	As req.
l (1)	4.49	4.49	4.61	5.39	5.39	6.78	As req.	As req.	As req.	As req.	As req.	As req.
o	2.36 ⁴	1.37	1.37	1.37	1.37	1.37	As req.	As req.	As req.	As req.	As req.	As req.
Bolts	4x1/2	4x1/2	4x5/8	4x5/8	4x5/8	8x5/8	As req.	As req.	As req.	As req.	As req.	As req.
q	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	-	-	-

Dimensions of IEC flanges (mm)

Flange size	A250	A300	A300-1	A350	A400	A400-1	A450	A450-1	A550	A550-1	A660	A660-1	A800	A800-1
a	250	300	300	350	400	400	450	450	550	550	660	660	800	800
b	215	265	265	300	350	350	400	400	500	500	600	600	740	740
c	80	230	230	250	300	300	350	350	450	450	550	550	680	680
o	18	18	18	20	22	22	24	24	24	24	30	30	30	30
q	5	5	5	6	6	6	6	/6	6	6	7	7	7	7
r	13		13			17.5		17.5		21.5		21.5		
Bolts	4xM12	4xM12	4xM12	4xM16	4xM16	4xM16	4xM16	4xM16	4xM16	4xM16	4xM20	4xM20	4xM20	4xM20

¹For motor shafts stepped even with the C face. ²No standard available, built to customers' requirements.

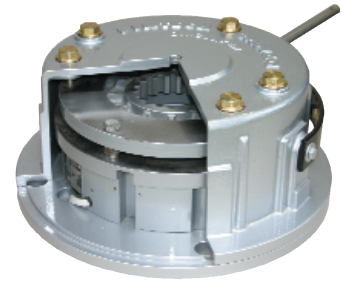
³Adapters available for other mounting dimensions. ⁴Includes adaptor flange.



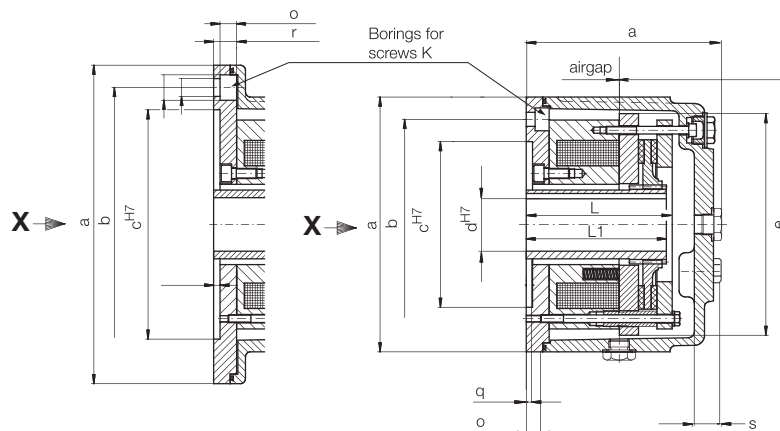
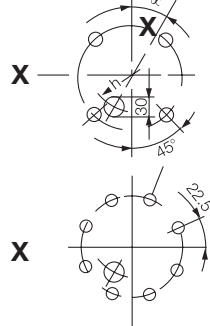
Type KFB

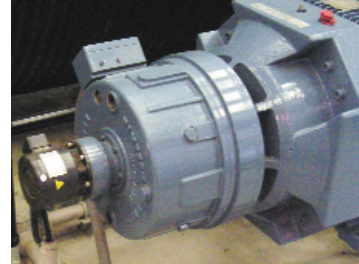
The newest brake to be released by Pintsch Bamag, the KFB series offers many of same features of the SFB with the addition of a few new features that customers have been asking for. The KFB model is IP67 rated like the SFB series, but unlike the SFB series, the KFB is available with an external hand release lever allowing for brake release with a single push or pull of the handle. The KFB series is more compact and offers a thicker braking pad that allows for longer service life between replacements. As with the SFB, the KFB brakes are mounted to the non-drive side of the electric motor and are easily accessed for monitoring and maintenance. Due to their dynamic rating, the KFB brakes are most often used with long travel gantry brakes and on hoisting applications.

- Dynamic torque ratings from 74 ft/lbs (100Nm) to 1180 ft/lbs (1600Nm)
- Standard DC coil with H class insulation
- External manual release lever available
- IP67 rated, submersible
- Can be mounted either vertically or horizontally
- Large work capacity for heavy, frequent stops
- Fully functional with housing removed
- Long coil springs ensure even torque throughout the allowed air gap range
- Most standard NEMA and IEC flanges available, adapters can be made for non-standard applications



Bolt hole circle on flanges (DIN 42948) for screws K





KFB application data

Brake size	KFB	10	16	25	40	63	100	160
Dynamic torque	Lbft/Nm	74/100	118/160	185/250	295/400	465/630	738/1000	1181/1600
Static torque	Lbft/Nm	81/110	129/175	203/275	325/440	509/690	812/1100	1292/1750
Mom. of inertia	kgm ²	.0017	.0037	.0048	.0068	.0175	.036	.050
	lb-ft ²	.0403	.0878	.114	.161	.415	.854	1.19
Weight	Lbs/Kg	42/19	62/28	92/42	121/55	163/74	233/106	370/168
Max. speed	RPM	6000	6000	6000	5500	4700	4000	3600
Standard volt.	VDC	110 or 207	110 or 207	110 or 207	110 or 207	110 or 207	110 or 207	110 or 207
Amps at standard volt.	A	.84	1.16	1.44	1.78	2.00	2.79	3.13
Power	W	93	128	158	196	220	307	344
Airgap min.	In./mm	.012/.3	.021/.3	.012/.3	.012/.3	.016/.4	.016/.4	.016/.4
Airgap max.	In./mm	.039/1.0	.039/1.0	.047/1.2	.047/1.2	.051/1.3	.063/1.6	.071/1.8
Pinion pilot bore	In./mm	1.024/26	1.024/26	1.417/36	1.417/36	1.417/36	1.417/36	1.417/36
IEC standard pinion bores	mm	28	28	38	38	48	60	60
		32	32	42	42	55	65	65
		38	38	48	48	60	75	75
NEMA standard pinion bores	In.	1.375	1.375	1.625	1.625	1.875	1.875	2.125
		1.625	1.625	1.875	1.875	2.125	2.125	2.375
				2.125	2.125	2.375	2.375	2.625
Pinion max. bore	In./mm	1.575/40	1.575/40	2.165/55	2.165/55	2.362/60	2.953/75	2.953/75
		7.87/200	9.96/253	11.81/300	11.93/303	13.78/350	15.75/400	17.72/450
		9.84/250	11.93/303	13.78/350	13.78/350	15.75/400	17.72/450	21.65/550
h	In./mm	3.70/94	5.67/144	7.64/194	7.64/194	8.43/214	10.39/264	12.36/314
l (1)	In./mm	4.33/110	3.78/96	4.61/117	4.61/117	5.59/142	5.38/148	5.83/148
l (2)	In./mm	4.33/110	3.78/96	4.61/117	4.61/117	4.61/117	4.61/117	4.61/117
m	In./mm	5.83/148	5.55/141	6.50/165	6.89/175	7.36/187	7.48/190	8.27/210
s	In./mm	0.59/15	0.59/15	0.59/15	0.59/15	0.59/15	0.59/15	0.59/15
α	°	30	30	30	30	30	30	30
Suitable flanges	A200	A250	A300	A300	A350	A400	A450	A500
	A250	A300	A350	A350	A400	A450	A500	

Dimensions of NEMA flanges (In.)

KFB	10	13	25	40	63	100	160
a (3)	9.84	11.81	13.77	13.77	17.72	17.72	Adapter required
(AJ) b	7.25	9.0	11.0	11.0	14.0	14.0	Adapter required
(AK) c	8.5	10.5	12.5	12.5	16.0	16.0	Adapter required
o	1.18	1.18	1.18	1.18	1.18	1.18	Adapter required
q	0.25	0.25	0.25	0.25	0.25	0.25	Adapter required
r	0.5	0.5	0.5	0.5	0.5	0.5	Adapter required
Bolts	4x1/2	4x1/2	8x5/8	8x5/8	8x5/8	8x5/8	Adapter required

Dimensions of IEC flanges (mm)

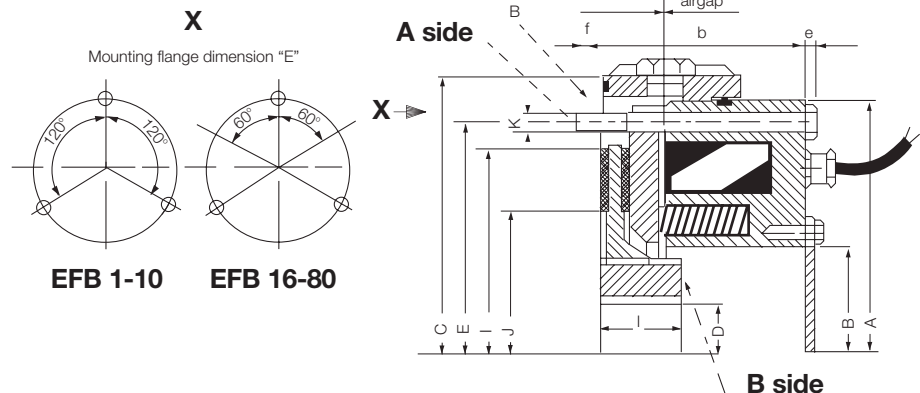
Flange size	A200	A250	A300	A350	A400	A450	A550
a	200	250	300	350	400	450	550
b	165	215	265	300	350	400	500
c	130	180	230	250	300	350	450
o	18	20	22	22	24	24	24
q	5	5	5	6	6	6	6
r	11	13	13	17.5	17.5	17.5	17.5
Bolts	4xM10	4xM12	4xM12	4xM16	4xM16	8xM16	8xM16

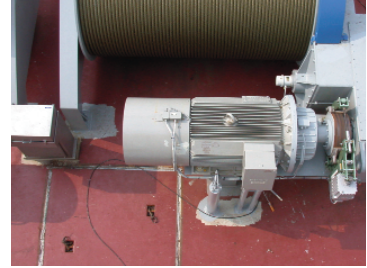


Type EFB

The design of the EFB series lends itself to be use on the drive side of the motor or "b" side. Functionally the same as the SFB and KFB series, the EFB is more compact in design and has a limited torque range. With an IP class rating of 54, the EFB is intended for use on motors that will be in non-corrosive, dryer conditions. Typical applications for the EFB include: Machine Tools, Conveyors, and small industrial cranes.

- Torque ratings from 7.4 ft/lbs (10Nm) to 590 ft/lbs (800Nm)
- External manual release lever available
- Can be mounted either vertically or horizontally
- Large work capacity for heavy, frequent stops
- Brake disc is mounted closer to mounting flange to accommodate shorter motor shaft lengths
- Long coil springs ensure even torque throughout the allowed air gap range
- Most standard NEMA and IEC flanges available, adapters can be made for non-standard applications



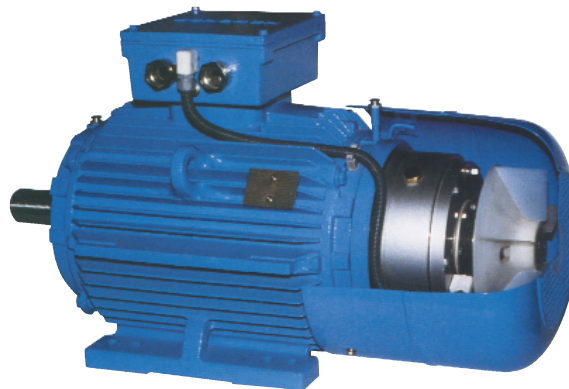


EFB application data

Brake size	EFB	1	2.5	5	10	16	25	40	63	80
Dynamic torque	Lbft/Nm	7.4/10	18.5/25	37/50	74/100	118/160	185/250	295/400	465/630	590/800
Static torque	Lbft/Nm	8.1/11	20.7/28	41/55	81/110	129/175	203/275	325/440	509/690	650/880
Mom. of inertia	kgcm2	.82	2.32	4.76	12	22	30	52	155	298
	lb-ft2	19.68	55.68	114.24	288	528	720	1248	3720	7152
Weight	Lbs/Kg	4.2/1.9	8.6/3.9	15/6.8	23/10.8	34/15.4	41/18.5	75/33.8	112/51	61/134
Max. speed	RPM	6000	5500	5000	4800	4500	4300	3800	3500	3000
Standard volt.	VDC	24	24	24	24	24	24	24	24	24
Amps at standard volt.	A	1.29	2.00	2.88	4.04	4.38	5.29	7.54	10.3	10.6
Power	W	31	48	69	97	105	127	181	246	255
Airgap min.	In./mm	.008/.2	.021/.3	.012/.3	.012/.3	.012/.3	.012/.3	.016/.4	.016/.4	.016/.4
Airgap max.	In./mm	.020/.5	.024/.6	.027/.7	.031/.8	.035/.9	.035/.9	.047/1.2	.059/1.5	.063/1.6
Pinion pilot bore	In./mm	.315/8	.315/8	.315/8	1.02/26	1.02/26	1.42/36	1.42/36	1.42/36	1.42/36
Pinion max. bore	In./mm	.787/20	.984/25	1.18/30	1.57/40	1.77/45	1.97/50	2.36/60	3.15/80	2.75/70

Dimensions (In./mm)

EFB	1	2.5	5	10	16	25	40	63	80
A	4.01/101.9	5.19/131.9	6.03/153.2	7.13/181.2	8.16/207.2	8.69/220.8	10.5/266.8	12.46/316.4	12.57/319.4
B	1.50/38	2.05/52	2.44/62	2.99/76	3.23/82	3.46/88	4.33/110	5.35/136	5.04/128
C	4.41/112	5.71/145	6.77/172	7.87/200	8.90/226	9.45/240	11.42/290	13.4/340	13.5/344
E	3.543/90	4.606/117	5.276/134	6.378/162	7.244/184	7.874/200	9.449/240	11.417/290	1.023/280
I	3.15/80	3.94/100	4.49/114	5.51/140	6.46/164	6.97/177	7.56/192	9.29/236	10/254
J	1.97/50	2.56/65	3.15/80	3.78/96	4.33/110	4.88/124	5.35/136	7.09/180	6.69/170
K	M5	M6	M8	M8	M8	M8	M10	M12	M12
b	1.81/46	2.13/54	2.60/66	2.95/75	3.19/81	3.39/86	4.17/106	4.49/114	5.20/132
e	.14/3.5	.16/4	.22/5.5	.22/5.5	.22/5.5	.22/5.5	.28/7	.31/8	.31/8
f	.16/4	.24/6	.35/9	.39/10	.35/9	.35/9	.55/14	.63/16	.71/18
l	.787/20	.98/25	1.18/30	1.38/35	1.57/40	1.57/40	1.97/50	2.36/60	2.36/60





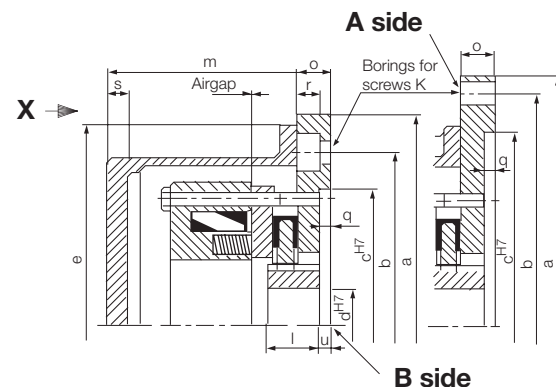
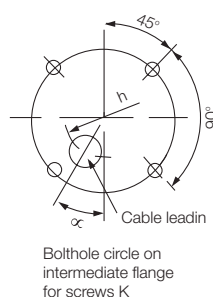
Type MFB

The MFB series represents the most compact brakes of Pintsch Bamag product line. Often used in applications where space is at a premium, the MFB can be mounted either on the non-drive side of the motor or in a "b" side arrangement on the driven side of the motor. The MFB can achieve a sea water tight rating of IP56 with the available cast iron cover. The MFB is at home in general machinery building where small dimensions are required, but the demand for ruggedness and capacity are still present.

- Torque ratings from 7.4 ft/lbs (10Nm) to 118 ft/lbs (160Nm)
- Can be mounted either vertically or horizontally
- Large work capacity for heavy, frequent stops
- Brake disc is mounted closer to mounting flange to accommodate shorter motor shaft lengths
- Long coil springs ensure even torque throughout the allowed air gap range
- Most standard NEMA and IEC flanges available, adapters can be made for non-standard applications
- Standard sheet metal cover achieves a rating of IP56
- Optional cast metal cover achieves a rating of IP67 (submersible)



View X



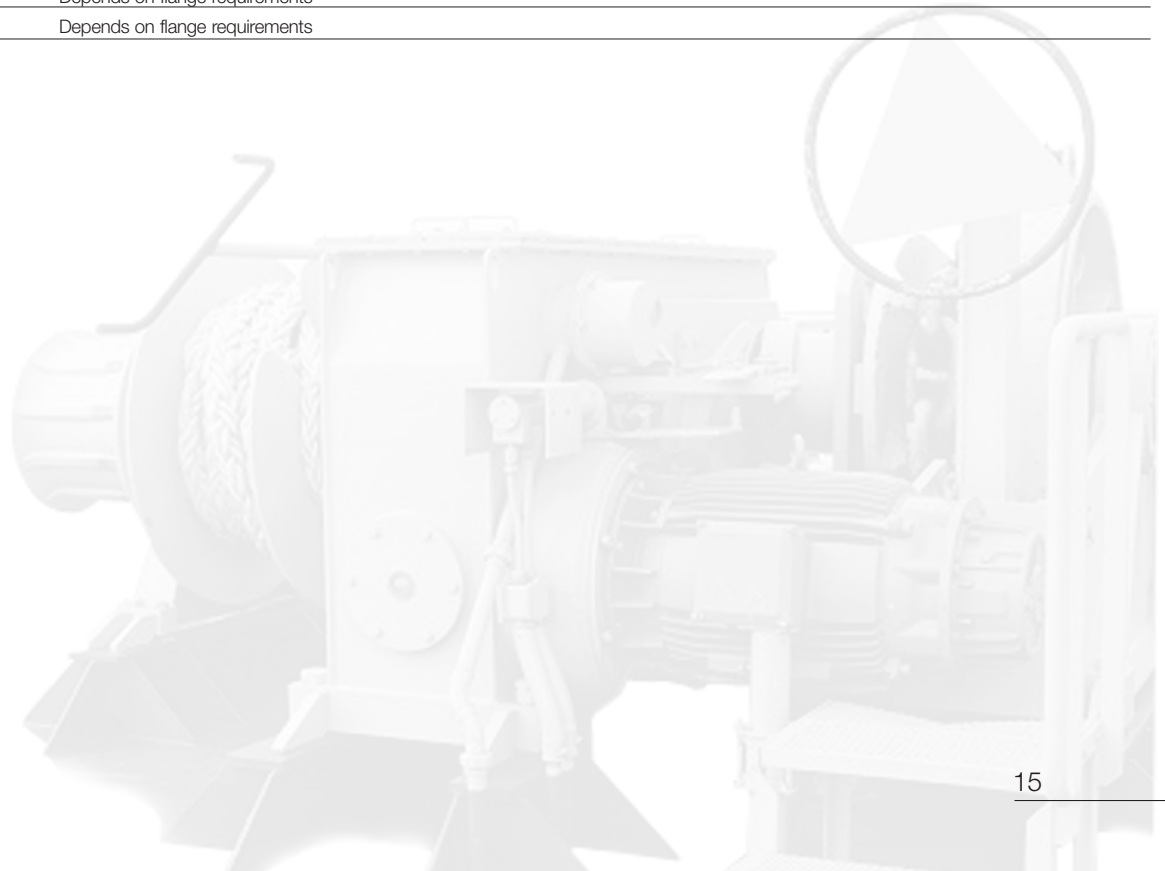


MFB application data

Brake size	MFB	1	2.5	5	10	16
Dynamic torque	Lbft/Nm	7.4/10	18.5/25	37/50	74/100	118/160
Static torque	Lbft/Nm	8.1/11	20.7/28	41/55	81/110	129/175
Mom. of inertia	kgm ²	.000145	.0005	.0012	.0020	.0048
	lb-ft ²	.0034	.012	.0285	.046	.114
Weight	Lbs/Kg	19.8/9	22/10	33/15	46.2/21	53/24
Max. speed	RPM	5500	4500	4000	3500	3000
Standard volt.	VDC	110 or 207	110 or 207	110 or 207	110 or 207	110 or 207
Amps at 110 VDC	A	.28	.47	.69	.85	1.14
Power	W	31	52	76	94	125
Airgap min.	In./mm	.008/.2	.008/.2	.021/.3	.012/.3	.012/.3
Airgap max.	In./mm	.020/.5	.024/.6	.032/.8	.032/.8	.43/1.1
Pilot bore (d)	In./mm	.394/10	.394/10	.591/15	.591/15	1.02/26
Max. bore (d)	In./mm	.866/22	1.38/35	1.77/45	2.17/55	2.36/60

Dimensions (In./mm)

MFB		1	2.5	5	10	16
e	In./mm	7.48/190	7.48/190	9.37/238	10.24/260	11.81/300
l	In./mm	.81/20.5	.94/24	1.04/26.5	1.18/30	1.57/40
m	In./mm	3.21/81.5	3.21/81.5	4.0/101.5	.45/11.5	4.02/102
s (IP54 enclosure)	In./mm	.06/1.5	.06/1.5	.06/1.5	.06/1.5	.24/6
a	Depends on flange requirements					
b	Depends on flange requirements					
c	Depends on flange requirements					



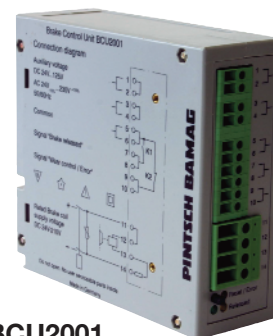


Accessories

Braking control unit

The Braking Control Unit (BCU) is an electronic device designed for control cabinet installation, which by measuring the current and voltage of the outgoing circuit to the brake, detects the operating state of the brake itself. The BCU also has the ability to monitor the

brake lining wear, thus replacing the micro switches normally required to perform this function. The BCU is suitable for all sizes and types of brakes available from Pintsch Bamag and is compatible with both DC and AC circuits.

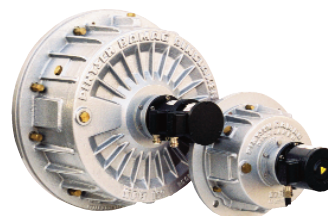


BCU2001

Tachometer mounting

The SFB, KFB and the EFB series of Pintsch Bamag brakes are available with optional tachometer mountings. Pintsch Bamag will machine the cover of the brake in accordance with the required tachometer parameters to

accommodate an adapter flange. The tachometer can be provided directly by Pintsch Bamag, or the brake will simply be prepared for the tachometer that you supply on your own.



F1000018

Voltage rectifiers

The standard coil voltage for Pintsch Bamag brakes is 207 volts DC. As a result, many applications will require rectification of the input voltage to the required 207 volt DC coil voltage through a simple full wave or half rectifier. Pintsch Bamag offers a variety of rectifiers to suit the application

as well as proprietary braking modules that include rectifiers, varistor modules, terminals and surge suppression electronics. The braking modules offered are available in both full and half wave rectification with the ability to handle input voltages as high as 550 volts AC.



EGL's, BGL's and SGL



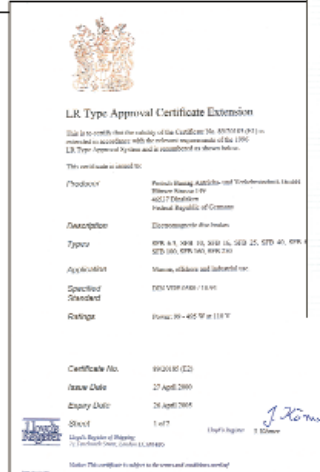
Cerifications and support

Maritime Approvals

With roots in the maritime industry, Pintsch Bamag's SFB series of brakes have been awarded certificates by numerous maritime classification societies. The list of approving societies includes Germanischer Lloyd, Lloyd's Register of Shipping, Det Norske Veritas, Bureau Veritas, The American Bureau of Shipping and the Maritime Register of Shipping.

Customer Support

Acting as the exclusive North American distributor for the full line of Pintsch Bamag brakes, Wampfler offers a comprehensive network of sales support. Positioned in all key markets, Wampfler sales and service representatives will be there to help develop the proper specifications for your application as well as offer after sales support. Please contact the factory directly for the name of a Wampfler representative near you.



Your applications - Our solutions

Pintsch Bamag Electro Magnetic Motor Brakes from Wampfler are but one component of the wide range of the Wampfler energy, data and media supply systems. The right solution for your application always ensues from the wholly specific application at hand.

And many times, it is precisely the combination of several Wampfler systems that will render very convincing benefits. You can find consulting and engineering competence in our companies and subsidiaries worldwide - just like our solutions!



Festoon systems

It's hard to imagine Wampfler cable trolleys not being used in virtually every industrial application: They're reliable and robust in an enormous variety of dimensions and designs.



Cable reels

Motorized reels and spring cable reels by Wampfler hold their own wherever energy, data and media have to cover the most diverse distances within a short amount of time - in all directions, fast and safe.



Conductor rails

Whether they're enclosed conductor rails or expandable single-pole systems, the proven conductor rails by Wampfler reliably move people and material.



Slip ring bodies

Whenever things are really moving "in circles", the proven slip ring bodies by Wampfler ensure the flawless transfer of energy and data. Here, everything revolves around flexibility and reliability!



Energy guiding chains

The "Jack of all trades" when it comes to transferring energy, data and media. With their wide range, these energy guiding chains hold their own in industrial applications.



Inductive Power Transfer IPT®

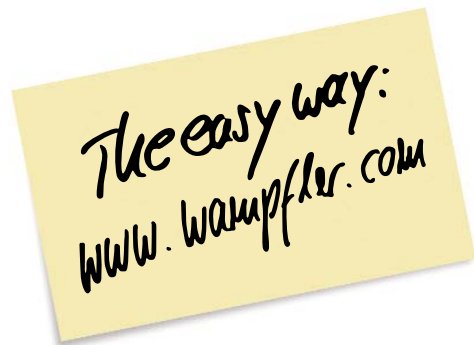
The no-contact system for transferring energy and data. For all tasks that depend on high speeds and absolute resistance to wear.



Radio remote controls

With a comprehensive range of radio remote controls, including push-button or belly-box units, Wampfler is able service the most demanding control requirements.

www = wampfler world wide



Wampfler, Inc.

8091 Production Drive
Florence, Kentucky 41042-3096
Phone + 1 859 814 2100
Fax + 1 859 814 2110
wampfler.usa@wampfler.com
www.wampfler.com

