

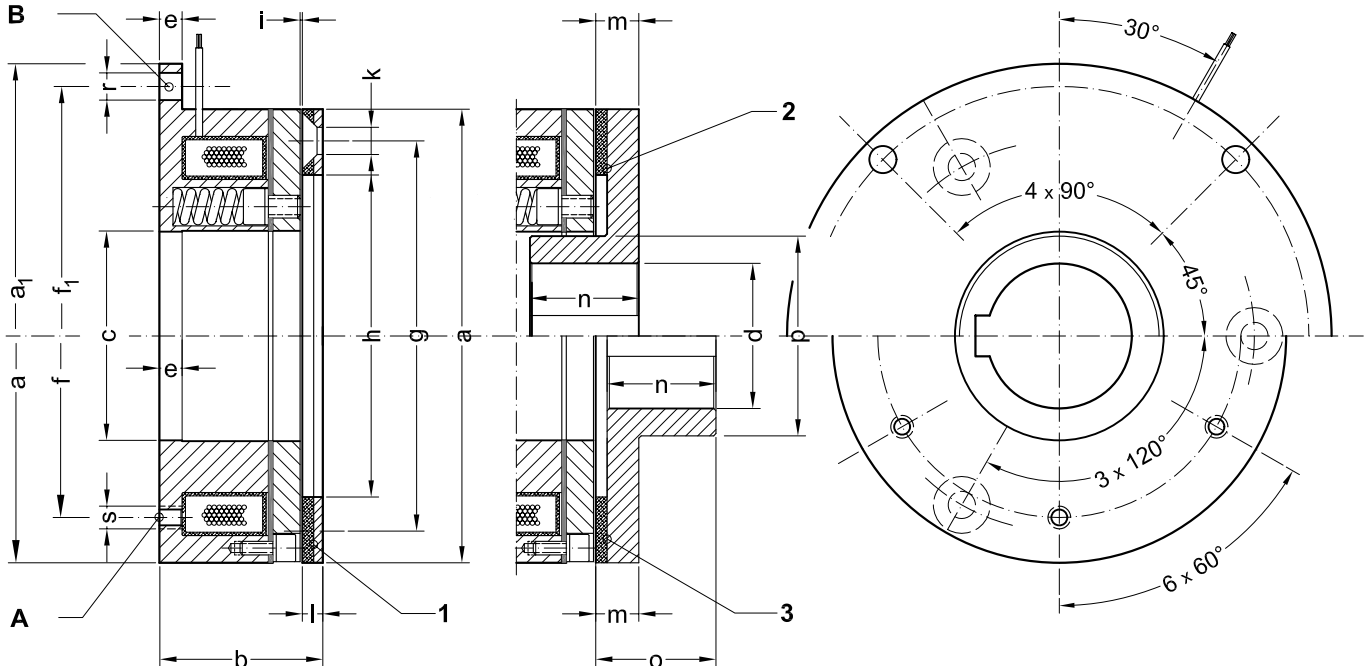
Backlash-free Electromagnetic Spring-Pressure Brake

Holding brake with diaphragm and stationary fitted coil body.

For dry operation, coil voltage 24 V DC

- ◆ Suited as safety and holding brake against break of power supply.
- ◆ With torsionally stiff, axially flexible spring steel diaphragm.
- ◆ Braking effect given by spring pressure.
- ◆ No idling torque because of complete drive disconnection.
- ◆ Applicable for horizontal und vertical mounting.

The brake is equipped with an armature plate connected without circumferencial backlash to the coilbody via diaphragm. With the coil switched on, the armature plate is released and completely disengaged.
Type "A" - without flange und Gewindebohrungen.
Type "B" - with flange and holes through the coil body.
Both types can be supplied in the versions 1, 2 or 3.



Data and Dimensions		FEObm 0,5	FEObm 1	FEObm 2	FEObm 4	FEObm 6	FEObm 10
Dynamic torque	Nm	4	8	20	40	60	100
Friction work per engagement	kJ	2	3,2	4	7,8	10	14
Thermal capacity	W	15	25	30	65	80	110
Speed maximum	min ⁻¹	6000	6000	6000	5000	4500	4000
Spring pressure F	N	450	700	1350	2100	3600	4400
Release time	ms	50	70	90	130	145	220
Engagement time	ms	15	20	30	35	50	65
Coil power consumption at 20 °C	W	25	30	35	40	50	65
Inertia moment- version 1	10 ⁻³ kgm ²	0,2	0,7	2	6	12	24
Inertia moment- version 2 or 3	10 ⁻³ kgm ²	0,5	1,7	4,3	13	21	50
Mass (weight) without hub	kg	0,7	1,2	2	3,5	5,5	6,2
Ø a1 h8	mm	90	115	132	162	190	220
Ø a	mm	70	90	110	140	160	190
b	mm	35,2	32,3	37,6	46,3	53,3	62,5
Ø c H7	mm	30	40	50	70	80	80
Ø d 1)	mm	22	30	35	55	62	62
e	mm	3,5	4	5	6,5	7	7
Ø f1	mm	79,5	102	121	151	175	205
Ø f	mm	61	75	90	120	120	180
Ø g	mm	60	76	95	120	135	166
Ø h	mm	46	60	78	98	113	146
i	mm	0,2	0,2	0,3	0,3	0,3	0,4
Ø k	mm	4,5	5,5	6,5	9	9	9
l	mm	3,5	4	4,7	5,4	6,1	6,7
m	mm	8,3	10,5	12	13	13	16
n	mm	20	25	30	40	40	44
o	mm	22,5	28	33	43	44	48
Ø p	mm	28	38	48	70	80	80
Ø r	mm	5,4	6,5	6,5	6,5	9	9
Ø s	mm	M3	M3	M4	M5	M5	M6

1) Keyway according to DIN 6885/1