

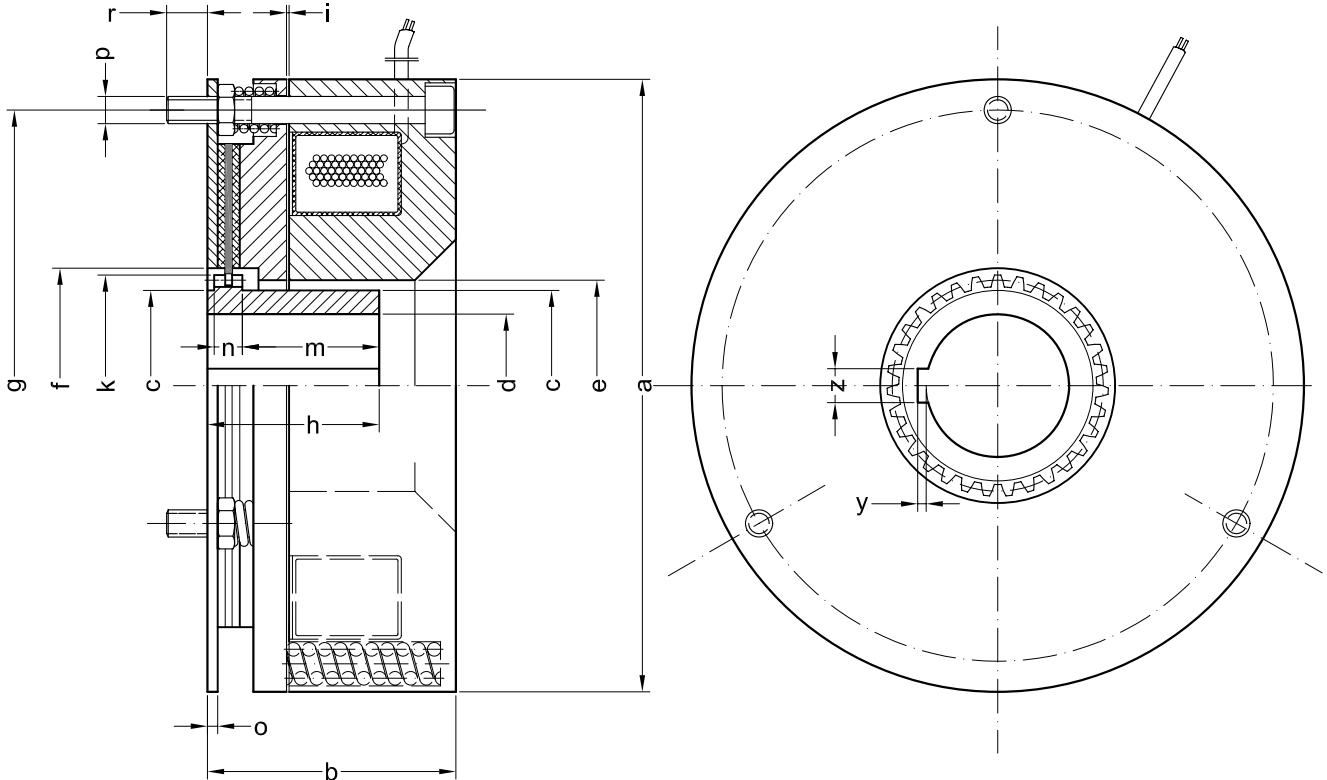
Electromagnetic Spring-Operated Brake

Single disc safety brake suited for the installation on motors, gear shafts and hoisting drums.

For dry operation, coil voltage 24 V DC

- ◆ With low inertia steel plate with friction linings guided on inner driver.
- ◆ Brake gap "i" smoothly adjustable through the brake's mounting screws.
- ◆ Suited for high speeds because of neglectable idling torque.
- ◆ Available accessory: Inner driver with hardened teeth.
- ◆ Vertical mounting, only when ordered with application guidelines.

With the brake torque given when the coil is de-energized the MUOB serves as holding brake for ball screws and as stop brake on motors. By the low inertia of the friction plate and the herewith given high brake efficiency permits shortest possible times for braking. Asbestos free high power friction linings as well as hardened steel - counter faces make long intervals for maintenance possible.



Data and Dimensions		MUOB 0,4	MUOB 0,6	MUOB 1	MUOB 1,6	MUOB 2,5	MUOB 4	MUOB 6,3	MUOB 10	MUOB 16	MUOB 25	MUOB 40	MUOB 63
Static torque	Nm	4,5	7	11	18	28	45	71	110	180	280	450	710
Dynamic torque	Nm	4	6,3	10	16	25	40	63	100	160	250	400	630
Friction work per engagement	kJ	5,8	8,3	11,3	15,9	21,8	26,2	36,6	52	68	89	130	180
Thermal capacity	W	55	75	90	125	145	175	215	270	315	415	500	710
Speed maximum	min ⁻¹	6000	6000	5200	4600	4100	3850	3400	3100	2800	2500	2300	2000
Engagement time	ms	30	30	35	35	40	45	50	55	60	60	65	70
Coil power consumption at 20 °C	W	30	35	40	45	50	60	70	90	110	125	150	200
Inertia moment to shaft	10 ⁻³ kgm ²	0,07	0,11	0,23	0,36	0,75	0,98	1,89	2,56	4,56	6,65	11,8	19
Mass (weight)	kg	2,3	2,8	4	5,2	6,6	8,8	12	15	21	26	35	48
Ø a	mm	92	102	116	128	140	156	174	187	210	228	255	285
b	mm	48	50	55	60	64	68	73	80	88	95	100	110
Ø c	mm	22	28	34,5	39,5	44,8	50	56,5	62	68	74	78,5	85
Ø d max H7	mm	15	20	25	30	35	40	45	50	55	60	65	70
Ø e	mm	25	31	38	43	49	53,5	60	66	72	78	83	90
Ø f	mm	36	36	50	50	61	61	77	77	90	90	104	104
Ø g	mm	80	90	104	116	128	140	158	170	190	208	232	262
h	mm	35	35	40	40	50	50	58	58	68	68	75	75
i	mm	0,15	0,15	0,15	0,20	0,20	0,20	0,25	0,25	0,30	0,30	0,35	0,35
Ø k	mm	33	33	46,5	46,5	57	57	72	72	84	84	97,5	97,5
m	mm	26	26	30	30	40	40	45	45	54	54	60	60
n	mm	8	8	9	9	9	9	11	11	12	12	13	13
o	mm	2,5	2,5	3	3	3,5	3,5	4	4,5	5	5	6	6
p		M5	M5	M6	M6	M6	M8	M8	M8	M10	M10	M12	M12
r	mm	8	8	10	10	12	12	14	14	15	15	16	16
Keyway z x y at d max	mm	5 x 2,3	6 x 2,8	8 x 3,3	8 x 3,3	10 x 3,3	12 x 3,3	14 x 3,8	14 x 3,8	16 x 4,3	18 x 4,4	18 x 4,4	20 x 4,9
Inner driver 1) number of teeth x modul	mm	31 x 1	31 x 1	29 x 1,5	29 x 1,5	36 x 1,5	36 x 1,5	34 x 2	34 x 2	40 x 2	40 x 2	37 x 2,5	37 x 2,5

1) not corrected, tooth angle 20°, tolerance 8f DIN 5480