

Spring-applied brake INTORQ BFK466-43

Disc brake with spring force, redundancy achieved by multiple brakes

Features

Powerful

High braking torque

Low-noise operation

Release without residual torque and quiet operation

High energy density

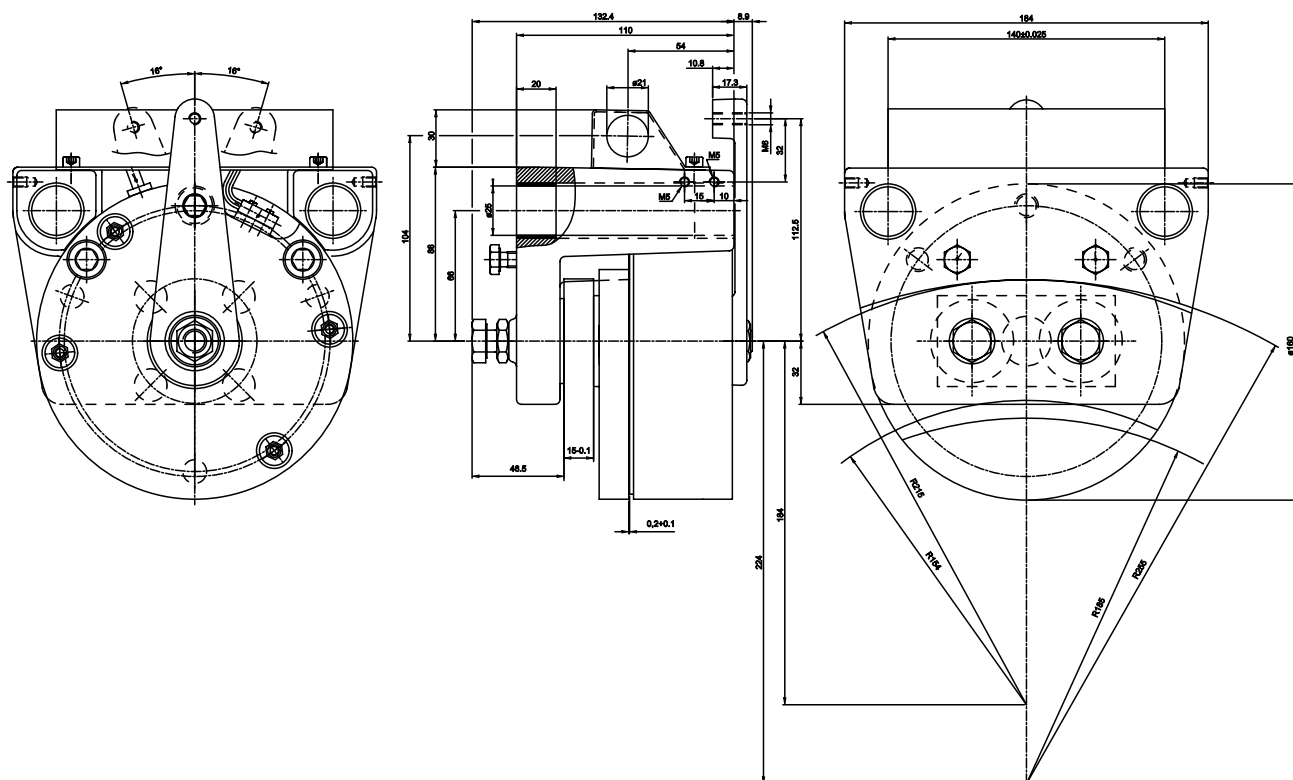
High magnetic forces caused by overexcitation

Low energy consumption

Through holding current derating

Safe

Air gap or wear monitoring using microswitch



Voltage U_{rated}		Power P_{20}		Rated torque M_K	
Hold	Switch	Hold	Switch	Ø 430	Ø 510
103 V	205 V	45 W	180 W	620 Nm	750 Nm



Multi-pole spring-applied brake INTORQ BFK466 for braking torques up to 9000 Nm

Disc brake with spring force in redundant arrangement, modular structure, can be expanded

Features

■ **Powerful**

High braking torque and large working air gap

■ **Low-noise operation**

Release without residual torque and quiet operation

■ **Compact**

Contours adapt perfectly to the motor design

■ **High energy density**

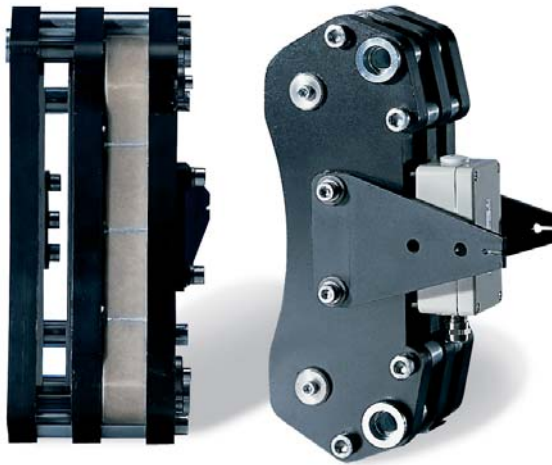
High magnetic forces caused by overexcitation

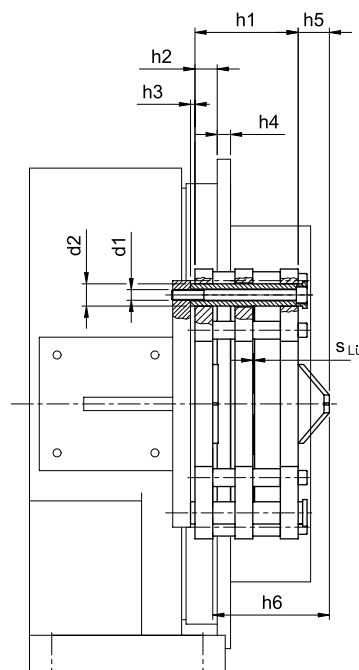
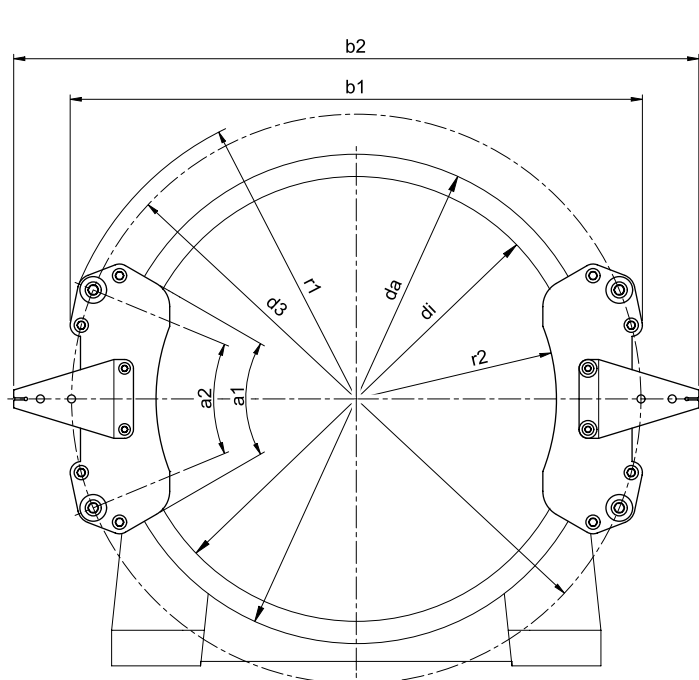
■ **Low energy consumption**

"Cold brake" through holding current derating

■ **Safe**

Air gap or wear monitoring using microswitch





Design	M_K^{*1} (Nm)	P_{20} (W) Switch/ hold	b1	b2 (approx.)	da	di	d1	d2	d3	h1	h2	h3	h4	h5 (approx.)	h6 (approx.)	r1	r2	S_{air}	a1	a2
1	450	353/88	510	-	430	360	M10	20	520	108	19	5	15	-	-	275	182.5	0.4	66.5°	50°
2	460	367/92	890	-	810	760	M10	20	890	145	20	22	67	-	-	457	350	0.4	28°	26.8°
3	640	330/83	746	917	690	590	M12	25	740	102.5	25	5	10	26	114	385	288	0.5	49°	37.5°
4	925	473/118	643	770	550	500	M12	25	640	116	25	5	15	25	121	337.5	225	0.5	60°	45°
5	1800	930/233	780	-	690	600	M16	25	745	133	25	5	20	-	-	390	255	0.5	57°	40°

* Characteristic torque per calliper related to the relative speed
 $\Delta n = 100$ rpm

(Redundancy by using at least 2 callipers)