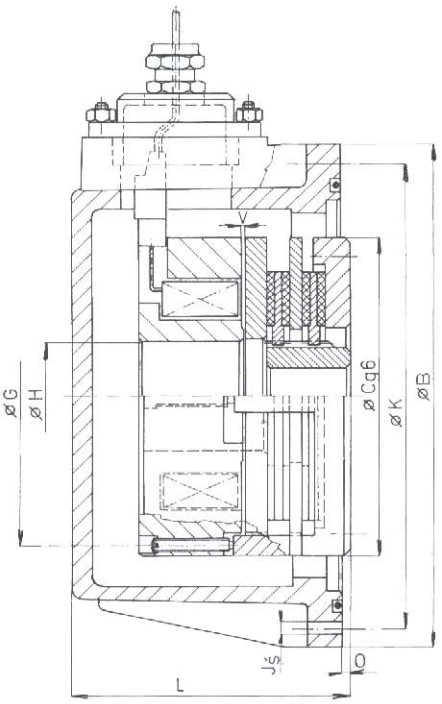
POHONY • DRIVES • ANTRIEBE



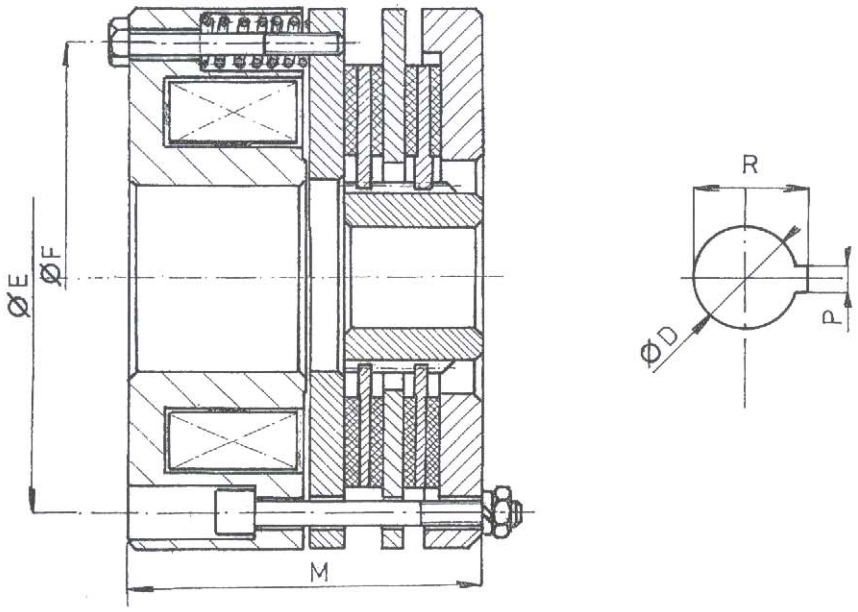
ELECTROMAGNETIC DOUBLE -DISK BRAKE

EBB

ELECTRICALLY SHIFTED DOUBLE-DISK BRAKE CAN BE USED WHEREVER WHERE IT IS NECESSARY TO BRAKE ROTATION MACHINE PARTS OR DRIVE IN THE CASE OF ELECTRIC MAINS DISCONNECTION OF ELECTRIC NETWORK, OR IF THE BRAKE IS TO BE ENGAGED FOR A LONGER PART OF WORKING CYCLE.

BRAKE CAN BE USED FOR CYCLE OPERATION WITH REMOTE CONTROL OR AS SAFETY EQUIPMENT. THE BRAKE MUST HAVE D.C. ELECTRIC SOURCE. AXIS OF ROTATION IS HORIZONTAL. USE OF THE BRAKE IN VERTICAL POSITION IS POSSIBLE ONLY EXCEPTIONALLY AND AFTER AGREEMENT WITH PRODUCER. BRAKE CAN BE USED IN HEAVY CLIMATIC CONDITION.

PSP POHONY a.s.



The brake EBB consists of driving and fixed part. Driving part is formed by carrier and two brake discs with lining, which can axially slide in leading teeth. Fixed (non-rotating) part is formed by complete magnetic body, friction plate, friction disk, and casing. A part of non-rotating part is covering made from non-magnetic alloy which has in its upper side lid and bushing for feeder cable to clamps of magnetic body.

From the face of magnetic body at its perimeter are placed clamping screws, which are used in the course of brake assembling. Bolts pass through friction plate, friction disk and brake casing. Another two adjusting screws allowed mechanical deflection of spring set.

In the outer perimeter cavities are placed arresting screws which lean against claws of brake casing. These screws provide set air gap. Claws serve as axial guide of friction plate and friction disk.

In the face of magnetic body, on the side of friction plate, are placed compression springs inducing a braking torque.

Between friction plate and magnetic body it is functional air gap. The air gap is in the course of operation enlarged and it must be accordingly adjusted. This gap is to be adjusted by mutual position of clamping screws and arresting screws at minimal value according to the table.

TECHNICAL DATA

Type		EBB
Size		5
Nominal twisting torque /Nm/		50
Dimensions: /mm/	B	190
	C	120
	D	22 H7
	E	$105^{-0.10}$
	F	$104^{-0.10}$
	G	110
	H	42
	Jš	4 x ∅ 7
	K	175
	L	106
	M	80
	O	5
	P	6
	R	$24.5^{+0.2}_{+0.1}$
	V	$0.3^{\pm 0.05}$
Speed	/r.p.m./	3000
Moment of inertia of rotation parts /kgm²/		0.00059
Weight	/kg/	7
Coil parameters (at 20°C)	Voltage /V/	24
	Current /A/	1.74
	Power input /W/	41.7