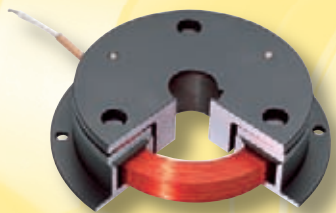


B-Type

Electromagnetic brakes

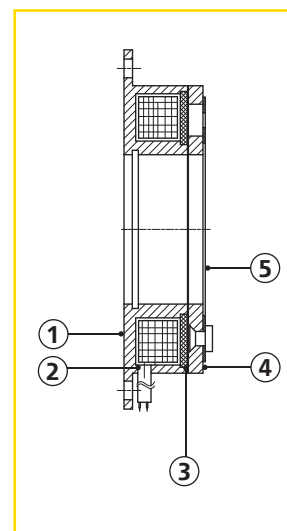


The basic model of electromagnetic brake consists of stator body (1) with cast-in coil and connection cable (2), and the armature disc (4) to which the return spring (5) is riveted.

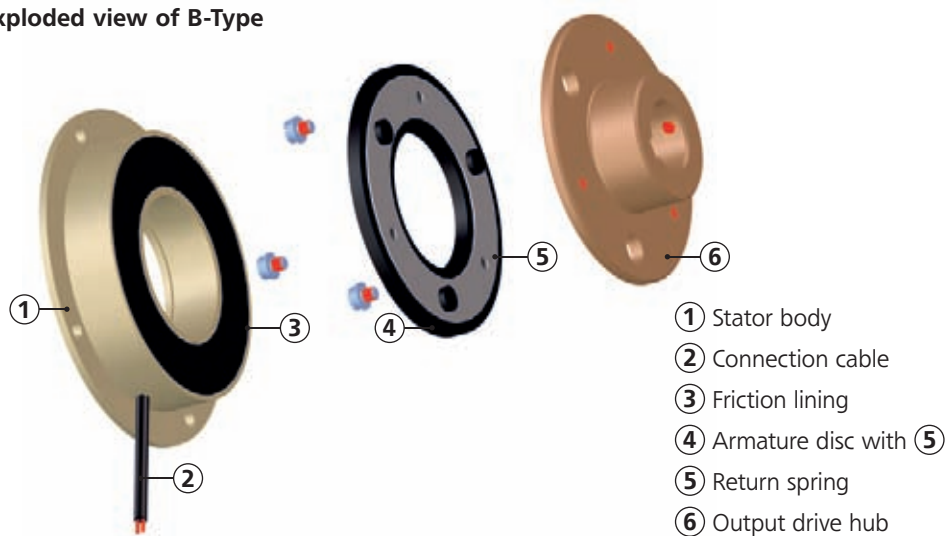
The friction lining (3) is bonded directly to the stator body. The stator body must be installed so that it is concentric with the output side.

Depending on the size of the brake, the installation must provide for an air gap of between 0.2 and 0.5 mm between the friction lining and the armature disc.

If a SUCO output drive hub is not used, it is important to ensure that there are clearance holes to accommodate the rivet heads, when installing the armature disc. The armature disc is centred by the screws which hold the spring disc to the output component. When the armature disc is installed, it must remain free to move axially against the return spring.



Exploded view of B-Type



Performance data and dimensions

Size	02	03	04	05	06	07	08	09
Torque [Nm] For reference purposes ¹⁾	1.0	4.5	8.0	20.0	38.0	80.0	150.0	280.0
Speed of rotation max. [rpm]	10 000	8 000	6 000	5 000	4 000	3 000	3 000	2 000
Power [W] T = 20° C	9	12	20	23	32	40	55	72
d max. [mm] ²⁾	8	17	20	30	35	42	50	75
D [mm]	60	80	100	125	150	190	230	290
L1 [mm]	21.0	22.0	24.5	28.0	31.0	35.0	41.5	48.0
L2 [mm]	24.0	25.5	28.5	33.0	37.0	42.0	50.4	59.0
L3 [mm]	33.0	37.0	44.5	53.0	61.0	73.0	89.5	103.0

¹⁾ Depending on design of installation, operating and ambient conditions

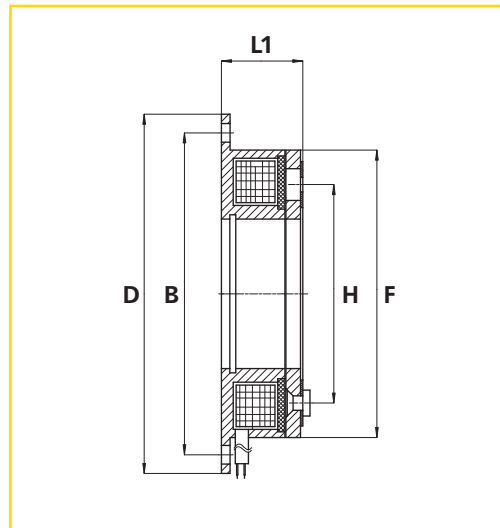
²⁾ Keyway to DIN 6885/1

Models

Model A

Brake without hub

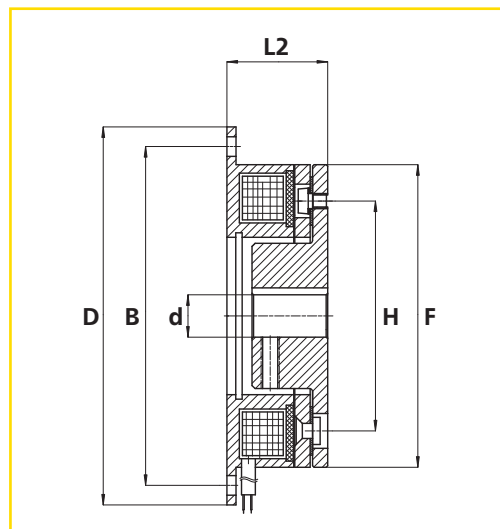
Basic version without drive hub
 Connection to output side by screws



Model B

Brake with internal hub

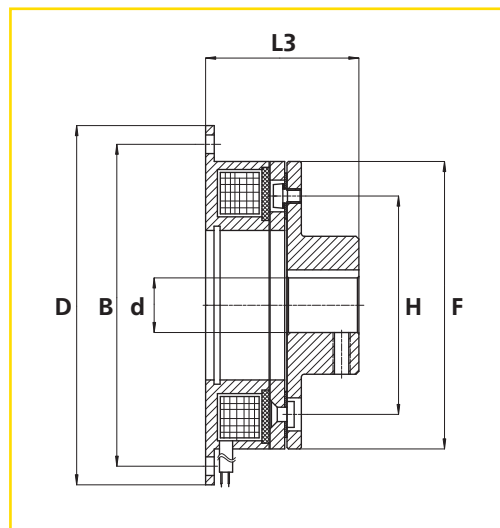
Basic version with axial output drive
 Internal hub



Model C

Brake with external hub

Basic version with axial output drive
 External hub



Standard Dimensions [mm]

Size	Ø B	Ø F	Ø H
02	52	42	29
03	72	63	46
04	90	80	60
05	112	100	76
06	137	125	95
07	175	160	120
08	215	200	158
09	270	250	210