

Electromagnetic clutches and brakes

E-Type

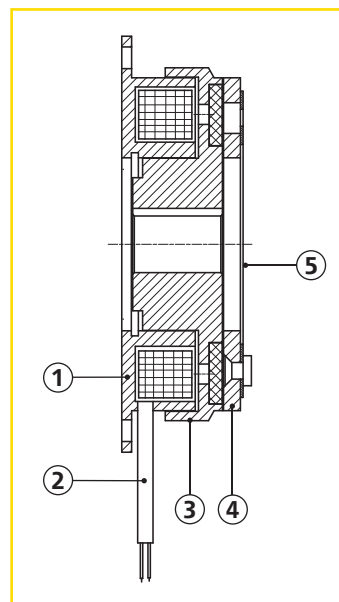
Electromagnetic clutch without bearings

The basic model of electromagnetic clutch without bearings consists of stator body ① with cast-in coil and connection cable ②, the input drive hub ③, and the armature disc ④ to which the return spring ⑤ is riveted.

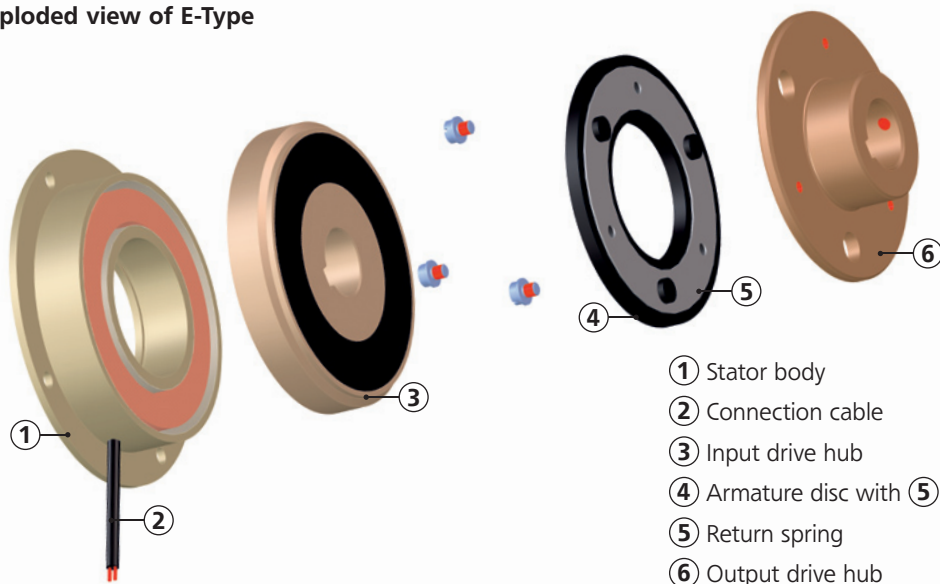
When assembling, the stator body must be accurately centred on the input drive hub, otherwise the hub may rub on the stator body and cause damage to the clutch.

Depending on the size of the clutch, the installation must provide for an air gap of between 0.2 and 0.5 mm between the drive hub 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 return spring to the output component. When the armature disc is installed, it must remain free to move axially against the return spring.



Exploded view of E-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⁾	10	20	25	30	40	50	70	80
D [mm]	60	80	100	125	150	190	230	290
L1 [mm]	26.5	28.0	31.0	36.0	40.5	46.5	55.4	64.0
L2 [mm]	38.5	43.0	51.0	61.0	70.5	84.5	103.0	119.0

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

²⁾ Keyway to DIN 6885/1

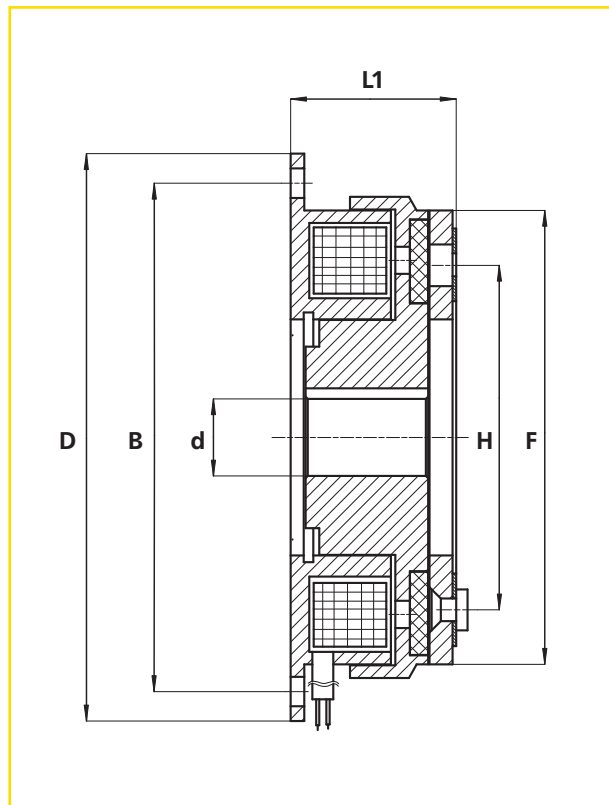
Models

Model A

Clutch with input drive hub

Basic version without output drive hub

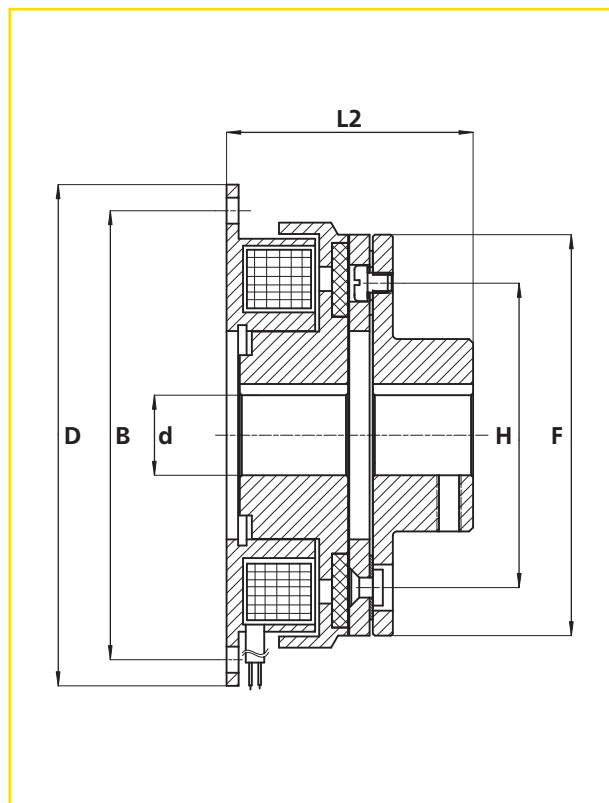
Connection to output side by screws



Model C

Clutch with input and output drive hub

Basic version with axial output drive (shaft - shaft)



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