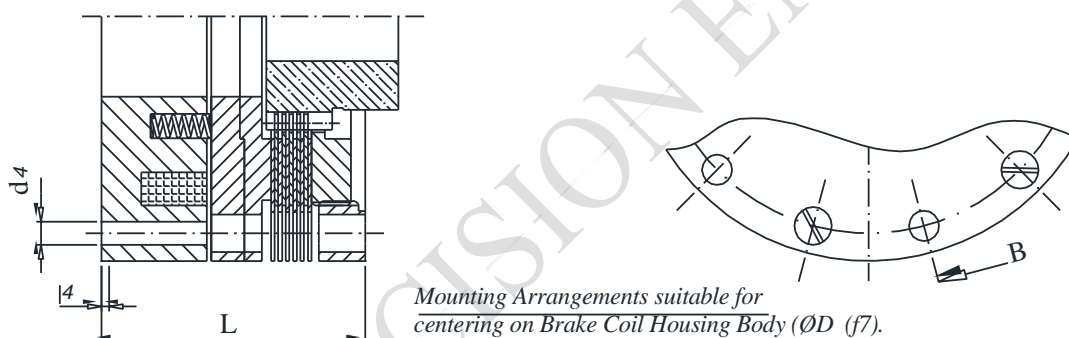
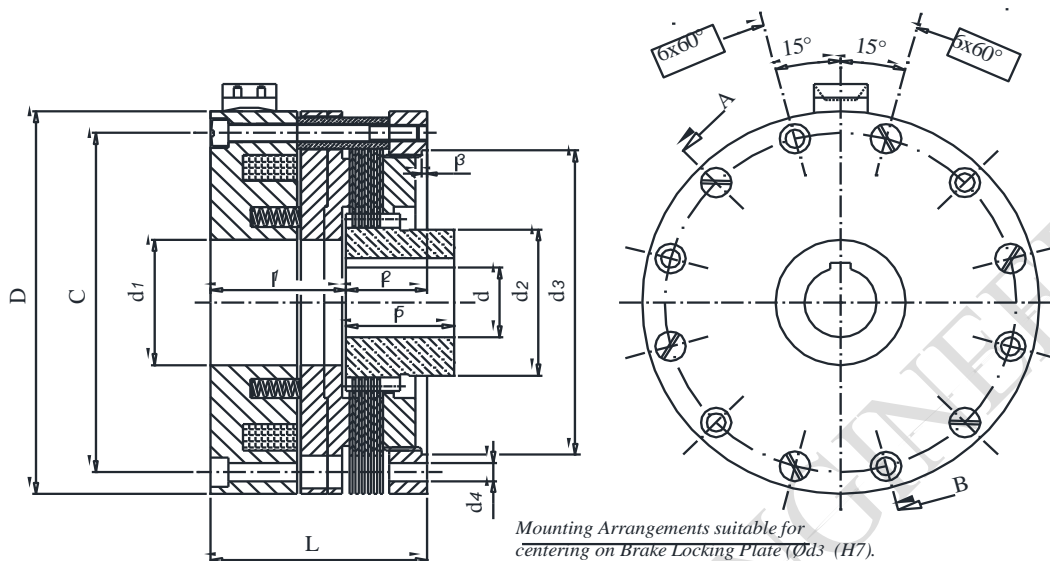




Part Name	Electromagnetic Multidisc Fail-Safe Brake (Spring Loaded Brake)	Type	24.513. ____ - 24 VDC (size)
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Dimensions:



Size				11	12	15	21	22	24
Torque	Dynamic	Ms	(Nm)	7.5	17.5	45	80	170	350
DC Voltage			(V)	24 V DC					
Power Consumption			(W)	28	39	43	54	108	124
Weights		(approx)	(kg)	2	3.5	5.5	11	16	26
Bores	Ød ^{H7}	Max	28	36	44	60	65	70	
		Min	20	30	30	40	45	50	
Moment of inertia (Inner Gear Bush side)			(10 ⁻³ kgm ²)	0.1	0.2	0.5	1.6	2.4	4.3
	Ø D ^{f7}	(mm)	100	115	135	165	190	220	
	Ø d ₁	(mm)	31	39	45	62	67	72	
	Ø C	(mm)	88	100	120	150	170	195	
	Ø d ₂ ^{Max.}	(mm)	37	44	55	75	77	85	
	Ø d ₃ ^{H7}	(mm)	75	90	110	140	160	180	
	Ø d ₄	(mm)	5.5	5.5	6.5	6.5	8.5	10.5	
	L	(mm)	61	65	75	95	105	120	
	l ₁	(mm)	41	41.5	48	60.5	67.5	75	
	l ₂	(mm)	20	23.5	27	34.5	37.5	45	
	l ₃	(mm)	2.5	2.5	2.5	2.5	3	3	
	l ₄	(mm)	1.5	1.5	1.5	2	3	3	
	l ₅	(mm)	30	35	40	45	55	60	

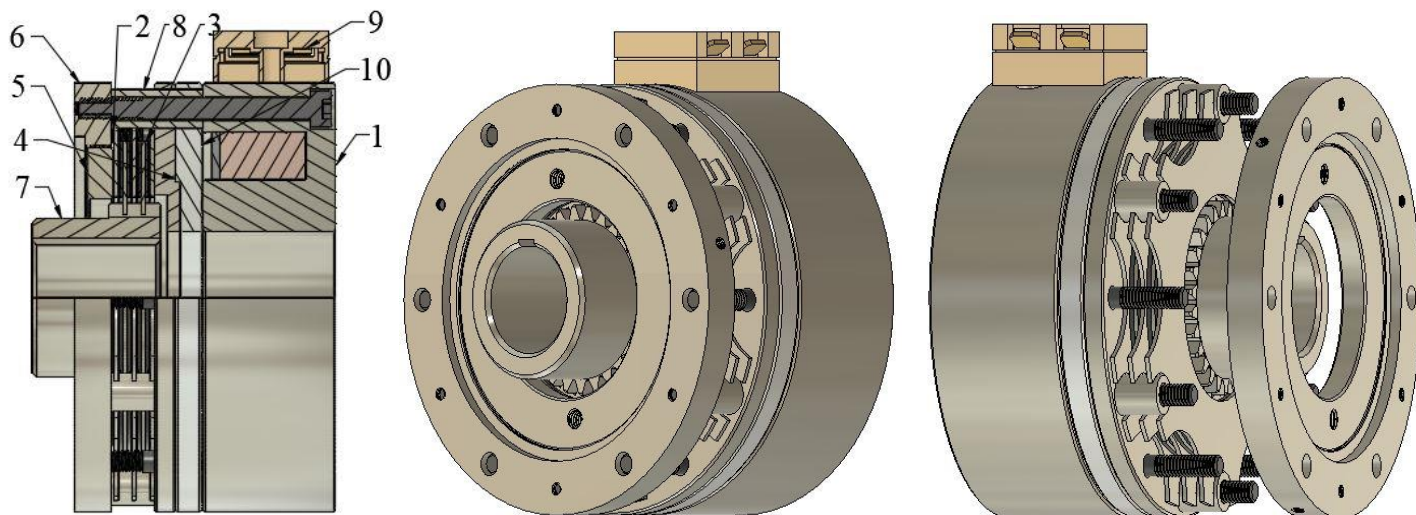
* Brakes with 1000mm leads available as an option.

* Brakes available for both WET & DRY Operation.

* Special Voltage Brakes available on request.

* Keyways BS 4235, DIN 6885

* Technical Alteration reserved.



OPERATION

The Coil Housing (1) is the fixed part consisting of Armature Plate (4), Outer Plate (2), Adjustable Nut (5) and Locking Plate (6). Gear Bush (7) supports the Inner Plate, and which rotates with the Shaft. Numbers of springs (10) are placed in the coil housing on suitable PCD. A small air gap will be maintained between the Coil housing face and armature plate face.

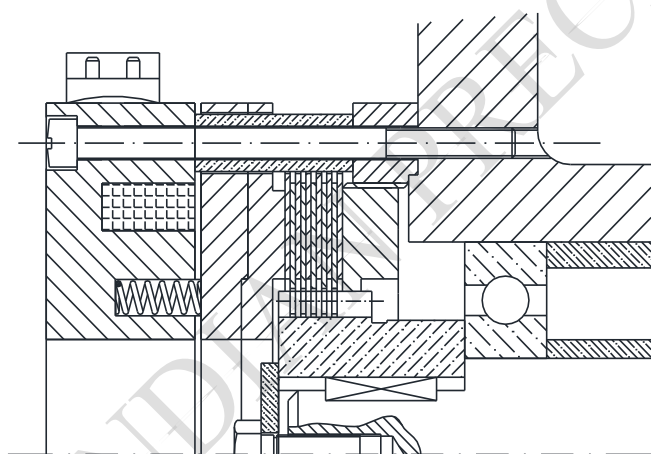
When coil Housing potted with the coil energized by the connector (9), generates a magnetic field which attracts the sliding armature Plate (4), while compressing the springs (10) the clutch plates (2 & 3) are released and the brake is thus released.

To apply the brake, it is only necessary to switch off the power supply, the sliding armature pushed back by the spring presses the clutch plates (2 & 3) and transmits the braking torque.

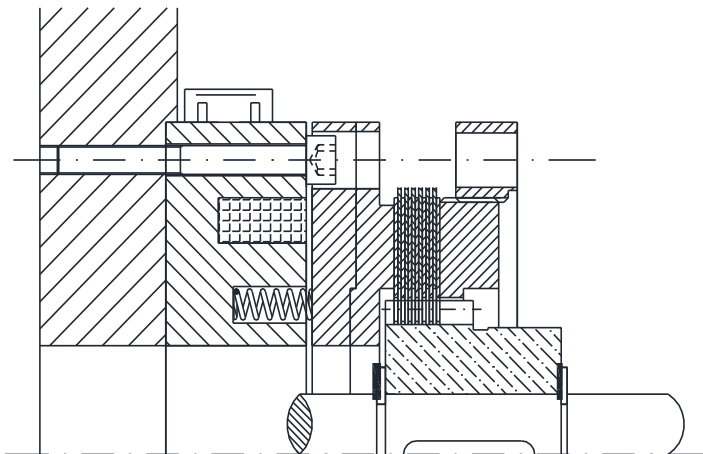
APPLICATION

- ☞ Braking and release while running or at rest. Braking safety in case of an accidental power failure.
- STEEL TO SPECIAL FRICTION LINING for dry running. The plates must be kept free of lubricants.
- STEEL TO STEEL for Wet Operation.

EXAMPLE OF INSTALLATION



Centering On $\text{Ø } d_3^{H7}$



Centering On $\text{Ø } D^{17}$

ORDER EXAMPLE.

Electromagnetic Multidisc Fail-Safe BRAKE For Wet Running
TYPE: 24.513.15 – 24 VDC
Bore d = 30mm / Keyway BS 4235

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