

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 Min 20	Max 36 Min 30	Max 44 Min 30	Max 60 Min 40	Max 65 Min 45	Max 70 Min 50
Moment of inertia (Inner GearBush 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

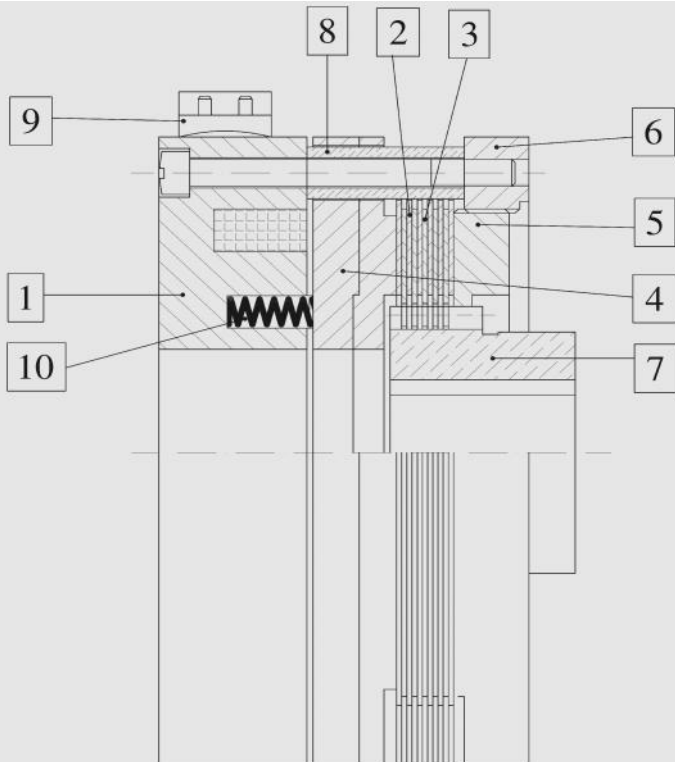
* Brakes with 1000mm leads available as option.

* Brakes available for both WET & DRY Operation.

* Special Voltage Brakes available on request.

* Keyways BS 4235, DIN 6885

* Technical Alteration reserved.



CONSTRUCTION

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|------------------|--------------------|--------------------|------------------|-------------------------|
| (1) Coil Housing | (3) Inner Plate | (5) Adjustable Nut | (7) Driving Bush | (9) Connector |
| (2) Outer Plate | (4) Armature Plate | (6) Locking Plate | (8) Screw Bush | (10) Compression Spring |

OPERATION

The Coil Housing (1) is the fixed part consisting 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. Small air gap will be maintained between Coil housing face and armature plate face.

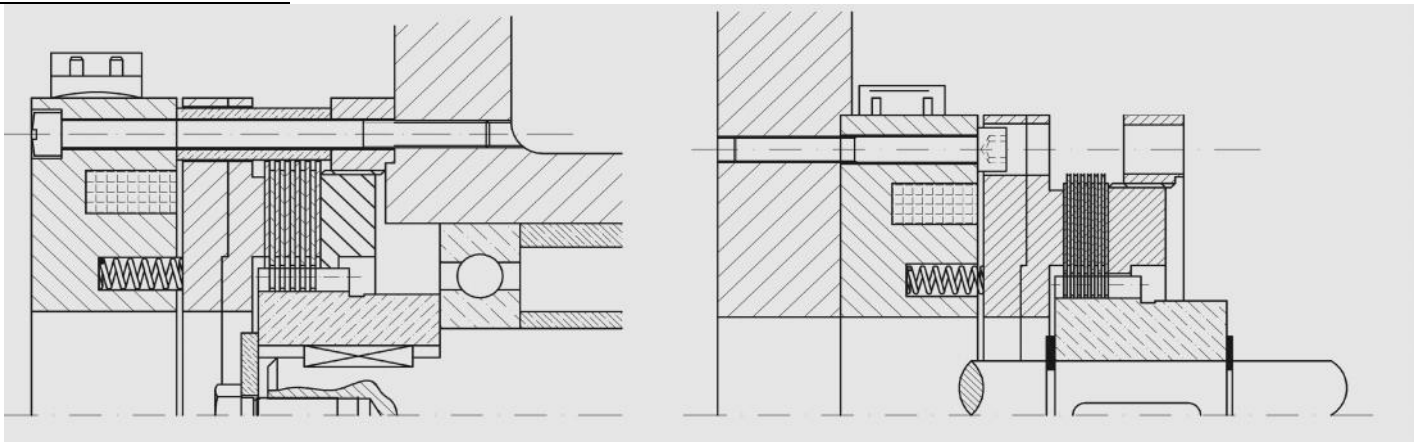
When coil Housing potted with the coil energized by the connector (9), generates a magnetic field which attracts the sliding armature Plate (4), while compressing the springs (10) the clutch plates (2 & 3) are released and the brake is thus released.

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 $\varnothing d_3^{H7}$

Centering On $\varnothing D^{f7}$

ORDER EXAMPLE.
Electromagnetic Multidisc Fail Safe BRAKE For Wet Running
TYPE : 24.513.15 – 24 V.d.c
Bore d = 30mm / Keyway BS 4235