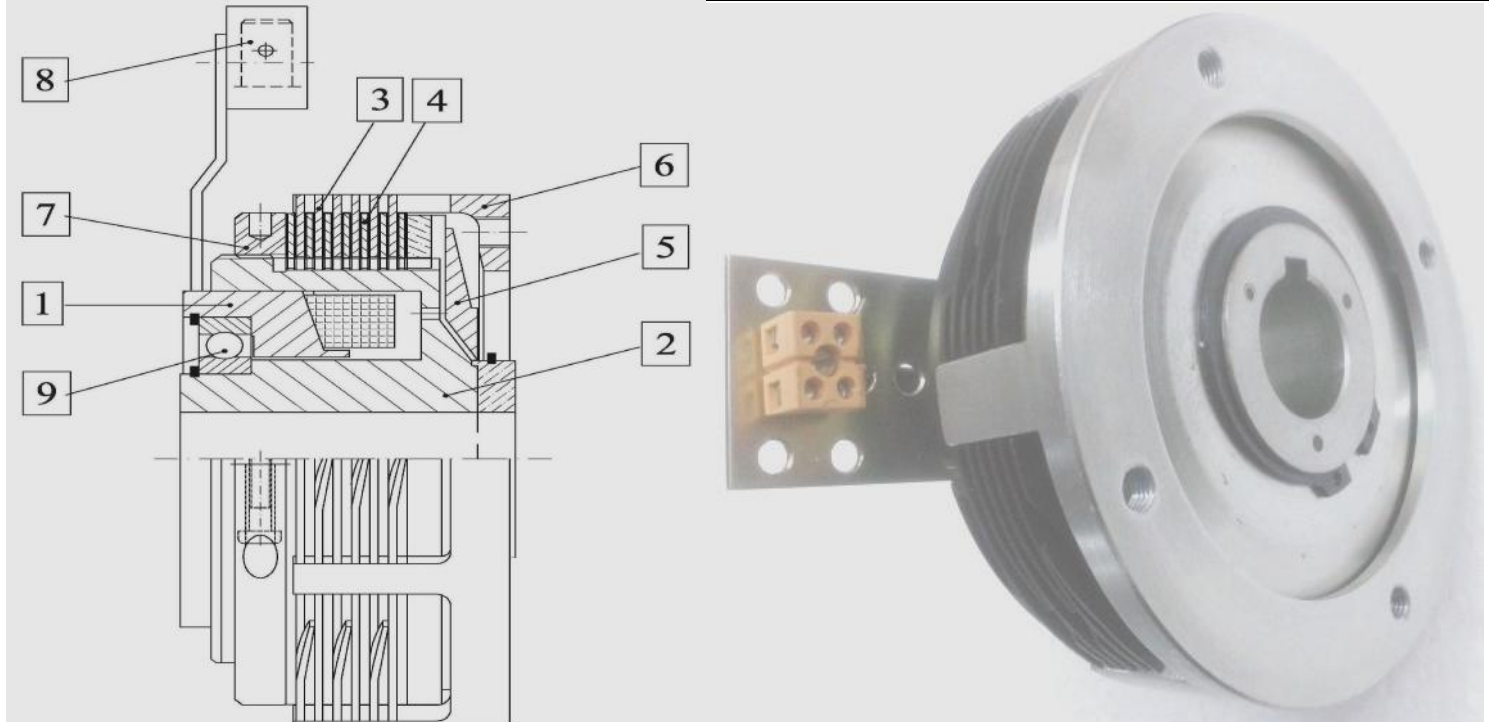


Size		2.5	4	6	10	20	40	60	80	120	160		
Torque	Oil Running	Ms dyn	25	40	60	100	200	400	600	800	1200	1600	
		Mu stat (Nm)	28	45	72	120	240	480	720	960	1450	1950	
	Dry Running	Ms dyn	32	50	80	135	270	540	800	1000	1600	2100	
		Mu stat	40	65	105	175	350	700	1050	1300	2100	2700	
Max.Speed	Oil Running	(min ⁻¹)		3000	3000	3000	2500	2500	1500	1500	1000	1000	
	Dry Running			1500	1500	1500	1500	1500	1000	1000	1000	1000	
DC Voltage	(V)	24 V DC											
Power Consumption	(W)	17	29	30	43	61	80	95	105	115	140		
Weight	(Kg)	1.5	2.1	2.8	5.3	7.5	12	16.5	22	31.5	48		
Moment of inertia	Magnet Side	(10 ⁻³ kgm ²)		1.08	1.88	3.18	4.7	13.4	24.5	50.3	86.3	140	328
	Armature Side			0.39	0.8	1.13	3.55	7.83	15.3	25.3	47.3	75	150
Number of plates	Inner Plates	6	7	6	7	7	6	6	6	6	6		
	Outer Plates	5	6	5	6	6	5	5	5	5	5		
Bores	Min	16	18	20	25	30	35	40	50	50	50		
	Max	30	30	25	35	48	50	65	68	80	85		
Dimensions (mm)	Ø D	95	105	115	140	166	195	214	240	264	295		
	Ø d ₁ ^{H7}	60	70	80	100	120	130	155	180	200	225		
	Ø d ₂	40	40	45	52	68	80	85	100	105	110		
	Ø d ₈	56	66	76	96	115	125	148	170	190	215		
	Ø d ₉	82	90	100	110	135	160	190	210	240	260		
	Ø d ₁₀	82	90	100	120	140	170	190	215	240	265		
	Ø d ₁₃ DIN 912	M4	M4	M5	M5	M6	M6	M6	M6	M6	M6	M8	
	Ø d ₁₅	4xM6	4xM6	4xM6	4xM8	4xM8	4xM12	4xM12	4xM12	4xM12	4xM12	6xM16	
	L	45	50	53	63	67	73	81	90	90	101	110	
	l ₃	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7	0.7	0.7	0.8	
l	4	4.5	5	6	6.5	8	9	10	11	12			
l ₄	2	2.5	2.5	3.5	3.5	4.5	4.5	5.5	5.5	6.5			
l ₇	77	80	82	97.5	108	123	132.5	144	158.5	168			
l ₉	4	4	4	4	4	4	4	4	4	5	5		

* Special Voltage Clutches available on request.

* Keyways BS 4235, DIN 6885

* Technical Alteration reserved.



CONSTRUCTION

- | | | | | |
|------------------|-----------------|--------------------|--------------------|-------------|
| (1) Coil Housing | (3) Outer Plate | (5) Armature Plate | (7) Adjustable Nut | (9) Bearing |
| (2) Rotor | (4) Inner Plate | (6) Carrier | (8) Connector | |

OPERATION

The Rotor (2) has Gear teeth on its outer periphery, which supports the inner plate (4) and the armature plate (5). The Rotor is bored has a keyway and is pressed directly on to the driving shaft. Carrier (5) supports the Outer Plate (2) and is bolted to the item of machinery with which it must rotate. Coil Housing (1) potted with coil is centered over the rotor by means of ball bearing..

Energization of the coil Housing through the Connector (8) generates a magnetic field which attracts the sliding armature plate (5). The Proper positioning of the adjustable nut (7) determines the airgap between coil housing face and armature face. The Clutch Plates are thus compressed and driving torque is transmitted. To release the Clutch all that is necessary is to switch off the power supply.

APPLICATION

Engagement or disengagement while running or while at rest. Operation in Dry or lubrication environment.
Friction of Steel to Sintered Plates.

EXAMPLE OF INSTALLATION

The Basic Version of Clutch combination with Pulley.

Armature plate must be uppermost when installing clutch vertically.
Carefully maintain d8 dimension in machine flange or gear wheel. Install the clutch in such a way that the adjusting nut is readily accessible.

ORDER EXAMPLE.

Electromagnetic Multidisc Stationary Dry Run Clutch
TYPE : ELSa 40 – 24 V.d.c
Bore d = 40mm / Keyway to BS 4325

