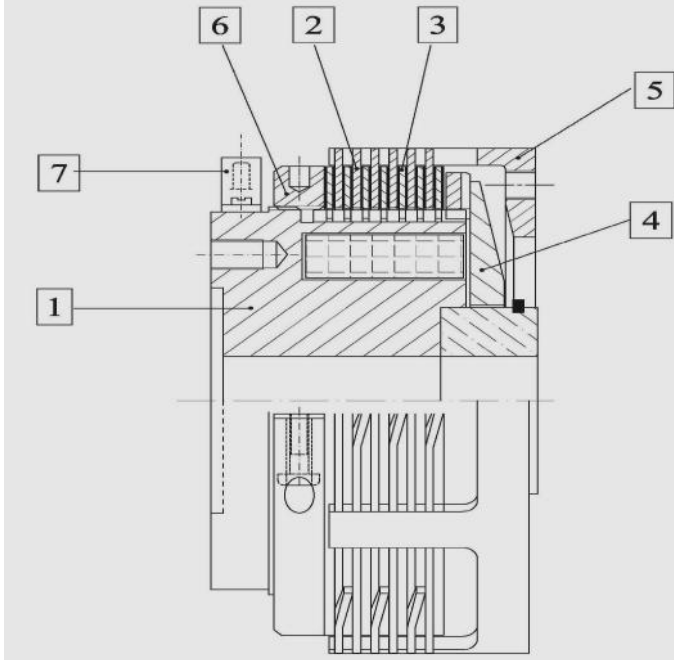


Size			2.5	4	6	10	20	40	60	80	120	160	
Torque	Oil Running	Ms dyn	25	40	60	100	200	400	600	800	1200	1600	
		Mu stat (Nm)	28	45	72	120	240	480	720	960	1450	1950	
	Dry Running	Ms dyn	32	50	80	135	270	540	800	1000	1600	2100	
		Mu stat	40	65	105	175	350	700	1050	1300	2100	2700	
Max.Speed	Oil Running	(min ⁻¹)	3000	3000	3000	2500	2500	1500	1500	1500	1000	1000	
	Dry Running		3000	3000	2500	2000	2000	1500	1500	1000	1000	1000	
DC Voltage	(V)		24 V DC										
Power Consumption	(W)		18	22	33	43	63	83	100	122	125	142	
Weight	(Kg)		1.7	2.3	3.1	5.8	8.1	12.8	17.5	23.2	33	50	
Moment of Inertia	(10 ⁻³ kgm ²)												
Number Of Plates	Armature Side		0.39	0.8	1.13	3.55	7.83	15.3	25.3	47.3	75	150	
	Inner Plate (Nos)		6	7	6	7	7	6	6	6	6	6	
	Outer Plate (Nos)		6	7	6	7	7	6	6	6	6	6	
Bores	Ø d ^{H7}	Min	16	18	20	25	30	35	40	50	50	50	
		Max	32	32	36	42	52	62	68	80	85	90	
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	65	72	80	95	100	105	
	Ø d ₄ ^{H7} Max		51	54	58	75	90	110	120	140	145	160	
	Ø d ₅ Max		64	73	76	93	108	135	150	170	186	205	
	Ø d ₇		74	82	86	105	120	150	166	185	202	225	
	Ø d ₃		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 ₁₄		M6	M6	M6	M8	M8	M12	M12	M12	M12	M12	M16
	Ø d ₁₅		4xM6	4xM6	4xM6	4xM8	4xM8	4xM12	4xM12	4xM12	4xM12	4xM12	6XM16
	L		45	50	53	63	67	73	81	90	101	110	
	l		4	4.5	5	6	6.5	8	9	10	11	12	
l ₂		4.5	4.5	5	5	5	5	5	5.5	5.5	6		
l ₃		0.3	0.3	0.4	0.7	0.8	0.9	1	1	1.1	1.2		
l ₄		2	2.5	2.5	3.5	3.5	4.5	4.5	5.5	5.5	6.5		
l ₅		3	3	3	4	4	4	5	5	5	5		
l ₆ Max		8	8	8	10	13	14	17	17	19	23		

* Special Voltage Brakes available on request.

* Keyways BS 4235, DIN 6885

* Technical Alteration reserved.



CONSTRUCTION

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

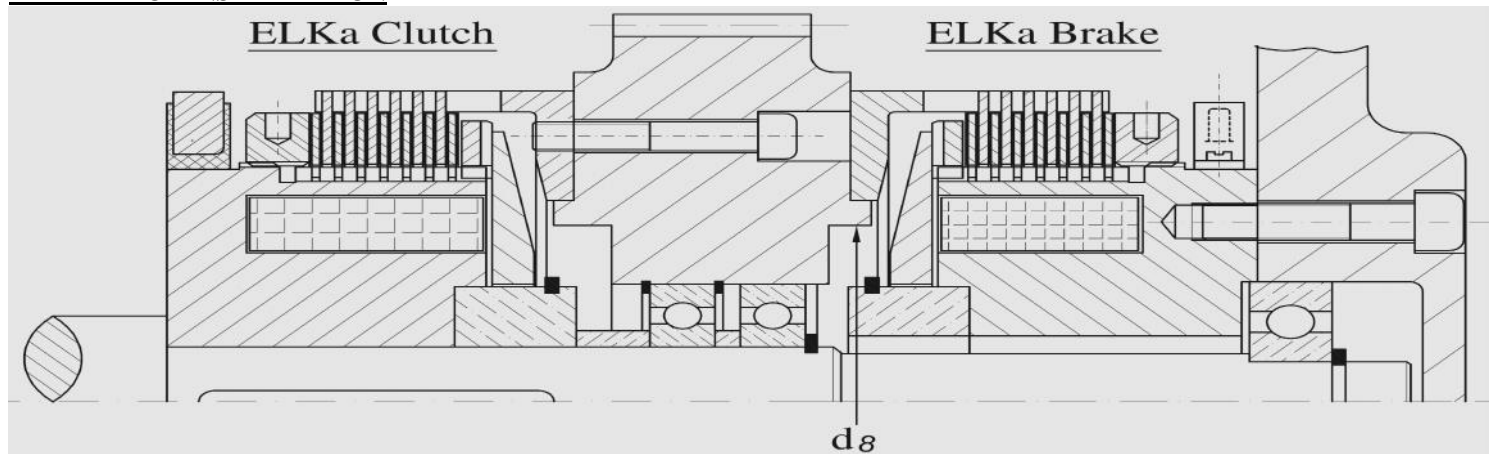
OPERATION

The Coil Housing (1) has Gear teeth on its outer periphery, which supports the inner plate (3) and the armature plate (4). The Coil Housing is fixed to the machine housing and which should be stationary. Carrier (5) supports the Outer Plate (2) and is bolted to the item of machinery with which it must rotate. Energization of the coil Housing through the connector (7) generates a magnetic field which attracts the sliding armature plate (4). 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 braking torque is transmitted. To release the brake, all that is necessary is to switch off the power supply.

APPLICATION

Braking and release while running or at rest. Operation in Dry or lubrication environment.
Friction of Steel to Sintered Plates.

EXAMPLE OF INSTALLATION



Combination of CLUTCH and BRAKE Type ELKa

The Coil Housing of the brake is secured and located centrally to the end face of the housing. Install the brake in such a way that the adjusting nut is readily accessible. Carrier (5) is supplied with pilot bore. Required Mounting hole and finish bore can be done by the user.

ORDER EXAMPLE.

Electromagnetic Multidisc Dry Run BRAKE

TYPE : ELKa 6 - 24 V.d.c

Bore d = 20mm, d₄ = 50mm