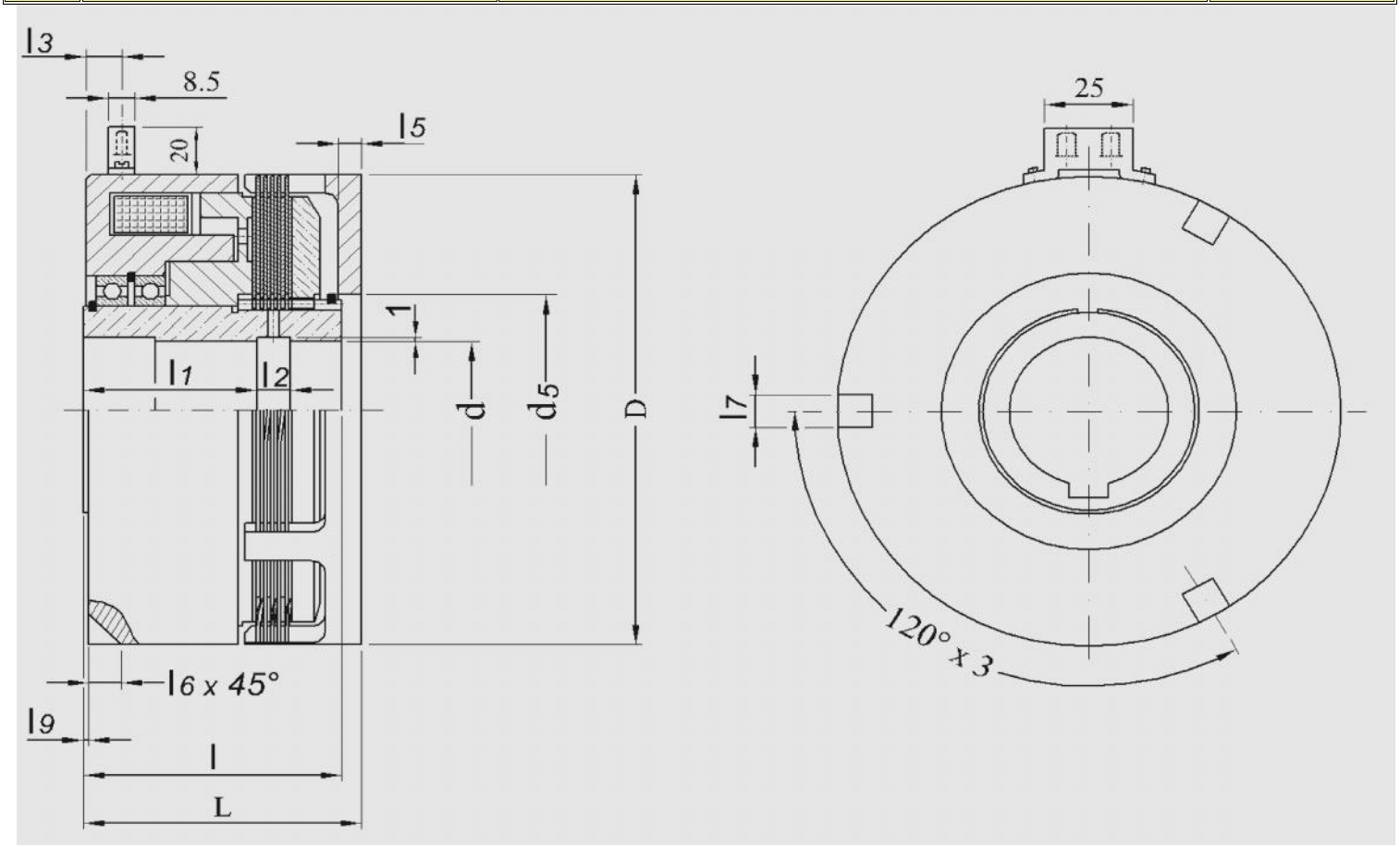
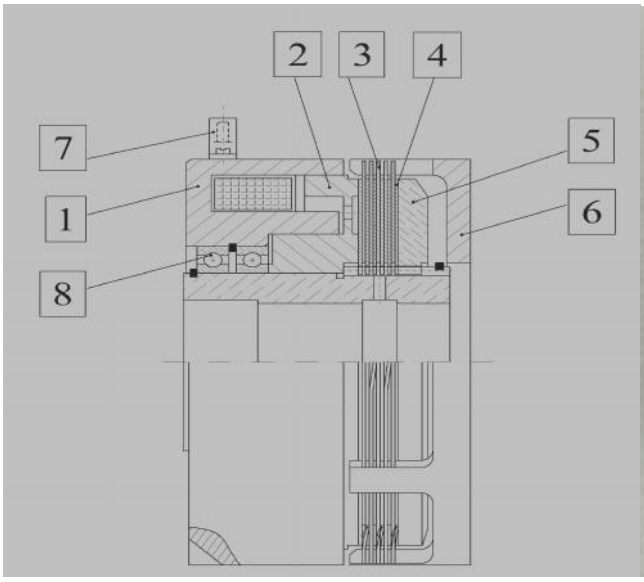
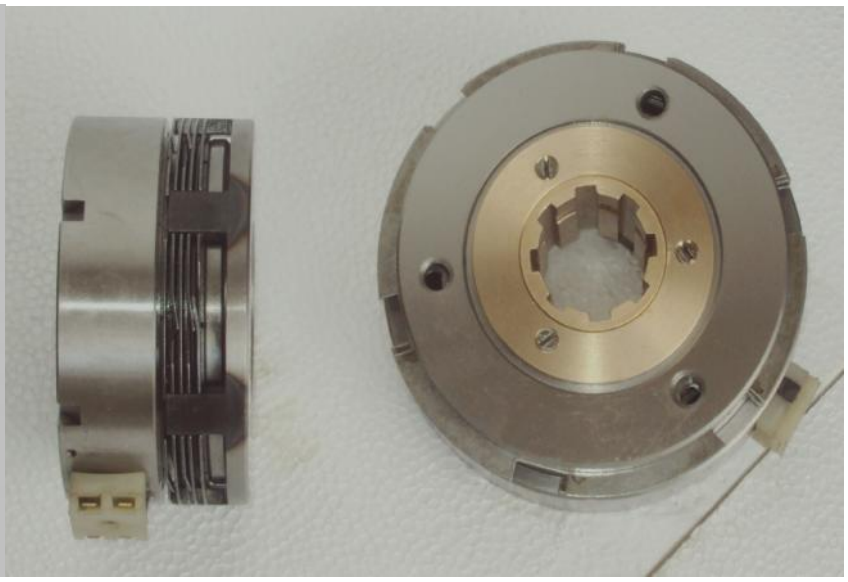


Size				**11**	**12**	**15**	**21**	**22**	**24**	**26**	**28**
Torque	dyn stat	Ms Mu	(Nm)	10 20	25 40	60 100	120 200	250 400	480 800	600 1100	960 1600
Max.Speed			(min^{-1})	3500	3000	3000	2400	2000	2000	2500	2000
DC Voltage			(V)	24 V DC							
Power Consumption			(W)	25	24	41	50	70	86	110	104
Number of plates	Inner Plates Outer Plates			4 3	5 4	6 5	6 5	6 5	7 6	6 5	7 6
Weights			(kg)	1.8	2.1	3.5	5.4	9.5	14.5	22	27
Moment of inertia	Magnet Side Armature Side		($10^{-3}kgm^2$)	0.6 0.3	0.75 0.5	1.73 1.6	4.5 3	12.5 7	19.5 14.5	40 34	73.5 50
Bores Keyway to BS 4235		min Ød H7 max	(mm)	14 18	15 25	20 32	25 40	30 45	35 60	50 70	50 75
Dimensions (mm)		Ø D	(mm)	82	95	114	134	166	195	210	240
		Ø d_5 H7	(mm)	30	45	51	61	75	90	75	112
		L	(mm)	51	56	63	73	82.5	93.5	100	108.5
		$l_{-0.1}$	(mm)	46.5	52	58.5	68	76	83.5	91	98
		l_1	(mm)	---	38	38.5	46	50	52	61.5	61
		l_2	(mm)	3	10	12	14	18	18	18	22
		l_3	(mm)	10	4.5	4.5	6.5	8	9.5	12	12.5
		l_5	(mm)	5	5	6	6	8	9	10	10
		l_6	(mm)	6	6	8	10	12	15	15	15
		$l_{7+0.2}$	(mm)	6	6	8	8	8	12	12	12
		l_9	(mm)	0.5	0.5	0.5	0.5	1	1	1	1

* 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) Connector
(2) Rotor (4) Inner Plate (6). Carrier (8) Ball Bearing

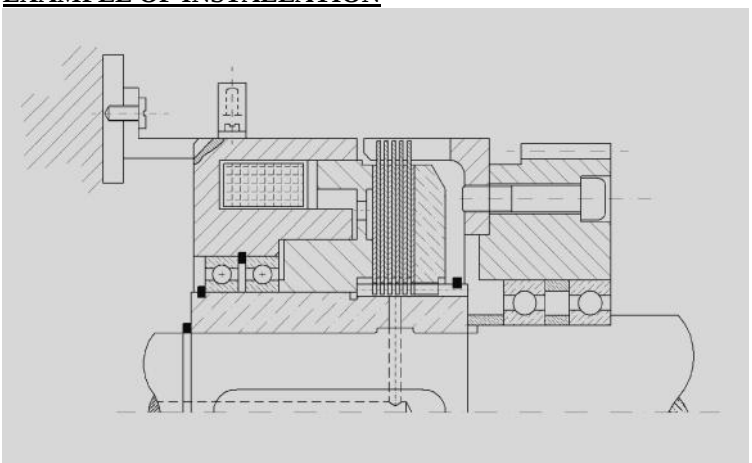
OPERATION

The Stationary Coil Housing (1) is centered over the rotor (2) by means of bearing (8).The Gear bush is pressed into the rotor and which supports inner plate (4) and armature plate (5). Gear bush is bored has a keyway and is pressed directly on to the driving shaft together with the Rotor. Carrier (6) supports the outer plate and is bolted to the item of machinery with which it must rotate.Energization of stationary coil Housing (1) containing a potted coil through the connector (7) generates a magnetic field which attracts the sliding armature plate (5).The Clutch Plates (3&4) Compressed and driving torque is transmitted. There is no air gap between the sliding armature and clutch plates in engaged position. Permanent air gap exist, obtained by special machining between the Coil Housing (1) and Rotor (2). To release the clutch all that is necessary is to switch off the power supply.

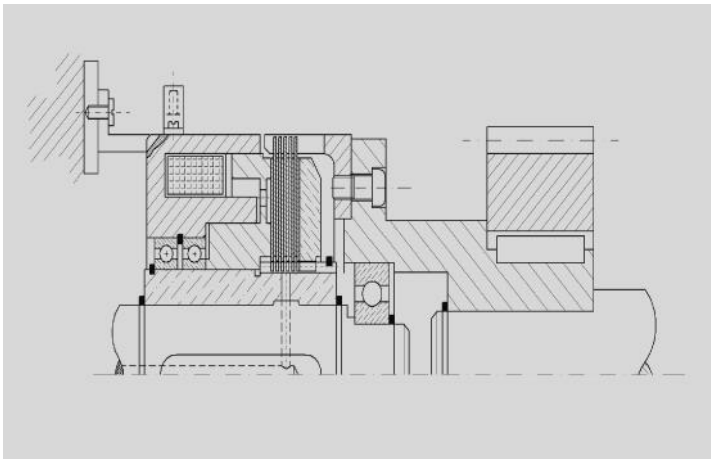
APPLICATION

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

EXAMPLE OF INSTALLATION



The Basic Version of Clutch fitted with gear wheel for torque transmission between shaft and gear wheel.



Fitted with Driven Shaft

NOTE: The Carrier must be provided with a means of axial retention so as not to be affecting the armature airgap.
Protect The Coil Housing against side loads to avoid straining the bearings. Carrier (6) is supplied with pilot bore. Required Mounting hole and finish bore can be made by the user..

ORDER EXAMPLE.
Electromagnetic Stationary Multidisc Wet Run Clutch
TYPE : 24.501.21 – 24 V.d.c
Bore d = 30mm / Keyway to DIN 6885