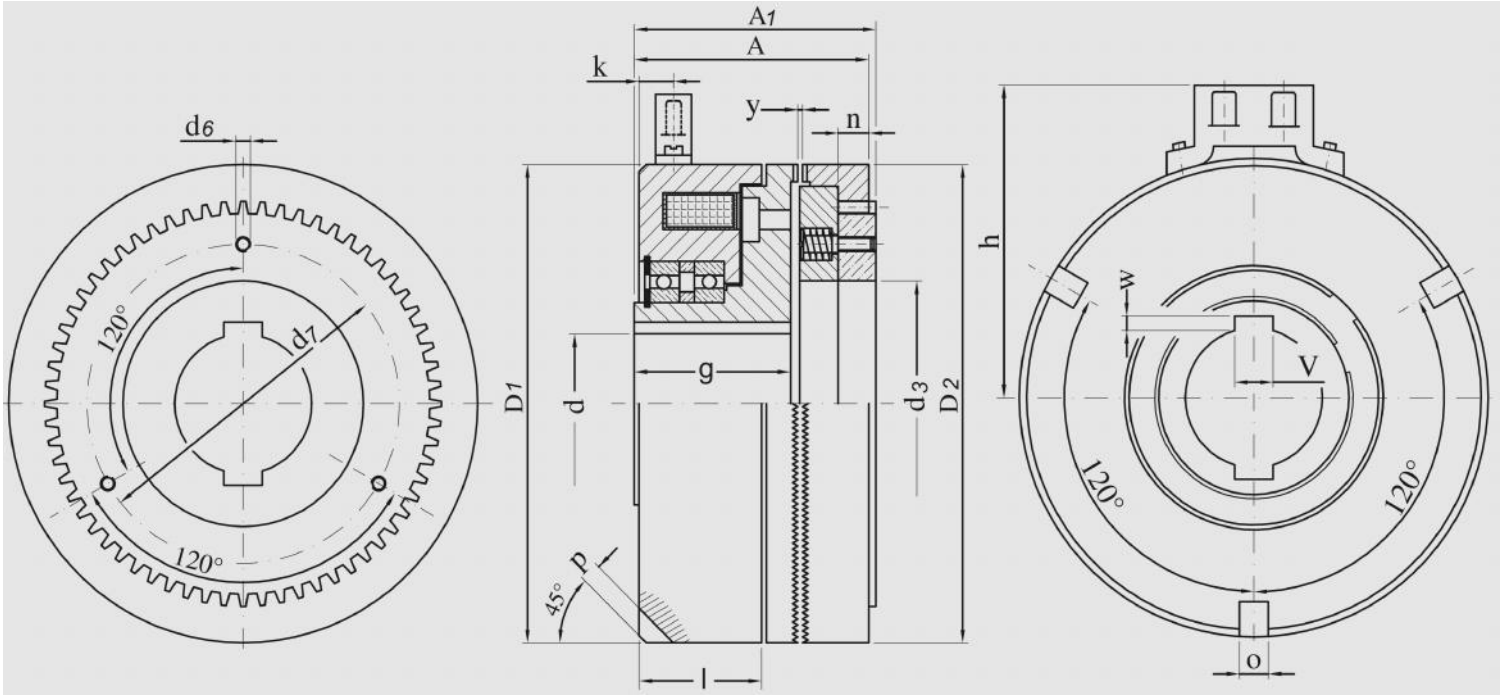
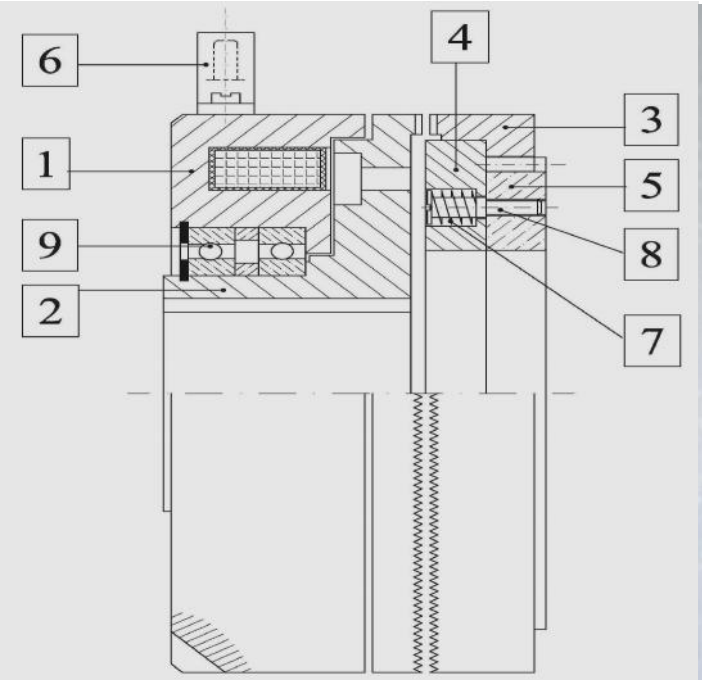


Size				11	12	15	21	22	24	26	28	120
Torque		Mu	(Nm)	100	200	300	600	1400	2000	3000	4000	6000
Max Speed	Wet running		(min^{-1})	4500	4000	3500	3500	3000	3000	2500	2500	2500
	Dry running			2000	2000	2000	2000	1750	1750	1500	1000	1000
DC Voltage			(V)	24 V DC								
Power Consumption			(W)	36	48	58	87	110	140	180	190	230
Weight approx..			(kg)	1.4	2	3.3	5.7	10	16	20.5	30	38
Moment of inertia	Magnet Side		($10^{-3}kgm^2$)	0.33	0.75	1.6	4	9.5	20	32.5	65	77.5
	Armature Side			0.18	0.43	1.1	2.5	6.6	19.2	26.0	50.0	80.0
Bores		Ød^{H7}	min (mm)	12	20	25	30	35	40	45	50	60
			Max	25	35	38	46	60	65	68	78	85
		$ØD_1$	(mm)	82	95	114	134	166	195	210	240	258
		$ØD_2$	(mm)	80	93	109	127	162	195	210	240	258
		$Ød_3$	(mm)	38	46	56	62	79	100	105	115	130
		$Ød_6$	(mm)	M4	M4	M4	M5	M6	M6	M6	M6	M6
		$Ød_7$ +0.1	(mm)	52	62	70	85	108	150	150	150	170
		A	(mm)	54	59	66	80	90	96	111	119	126
		A_1	(mm)	57	62	69	83	93.5	99	113	121.5	128.5
		g -0.2	(mm)	37	41	44	54	61	65	74	77	85
		h	(mm)	57	63	73	83	99	114	121	136	145
		k	(mm)	7	7	7	7	9	12	12	12	12
		l	(mm)	36.5	40	43	53	60	51	59	61	68
		n	(mm)	6	6	7	8	9.5	12	14	14.5	16.5
		O +0.2	(mm)	6	6	8	8	8	12	12	12	12
		p	(mm)	3	4	4	5	6	8	8	10	10
		y	(mm)	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5

* The holes for attaching the adapter plate to the item of machinery must be made by the customers.
* Bore & Keyways as per customer requirement please Confirm :Ø d^{H7},V,W

* Special Voltage Clutches available on request. * Keyways BS 4235, DIN 6885 * Technical Alteration reserved.



CONSTRUCTION

(1) Coil Housing (3)Armature Drive Ring (5) Adapter Plate (7) Compression Spring (9) Bearing
(2) Rotor (4) Armature Plate (6) Connector (8) Screw

OPERATION

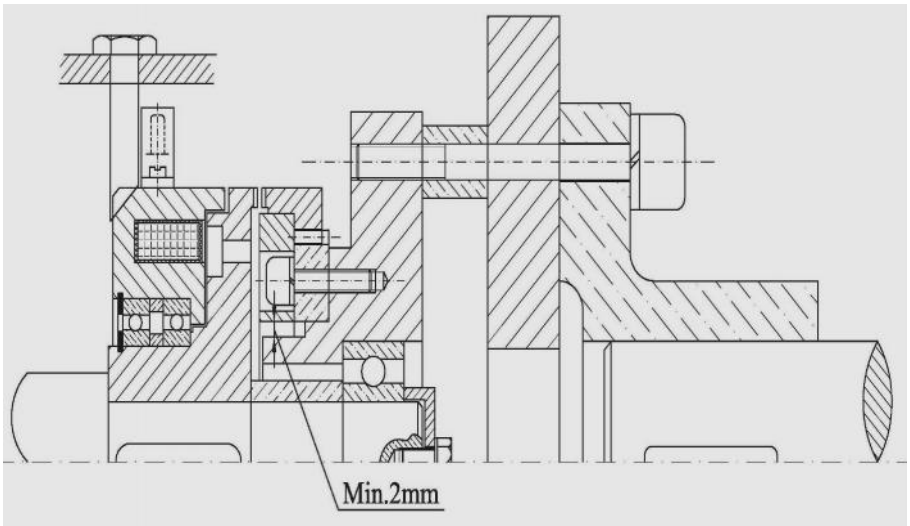
The Stationary Coil Housing (1) potted with the coil is centered over the rotor (2) by means of bearing (9).The Rotor is bored has a keyway and is pressed directly on to the driving shaft. Armature drive ring (3) is press fitted on armature plate (4) and these two slides on spur gear provided on adapter plate (5). Adapter plate is bolted to the item of machinery with which it must rotate. Adapter Plate is supplied without mounting holes. Required Mounting hole and finish bore can be made by the user.
Spring (7) and screw (8) ensure that the two toothed rings are kept apart when the clutch is de energized. Face Teeth are machined on faces of the rotor and armature drive ring.
Energization of the stationary coil by the terminals generates a magnetic field which attracts the sliding armature plate and armature drive ring. The face teeth mesh together and this allows the driving torque to be transmitted. For disengagement all that is necessary is to switch off the power supply. Armature drive ring is retracted into rest position by means of the screw and springs.

APPLICATION

Engagement at Rest or at a relative speed of +/-5r.p.m of the shafts but may be disengaged at any speed or under load.
Nil residual torque. Operation is possible in both wet and dry condition.

EXAMPLE OF INSTALLATION

The Basic Version of Clutch for Torque transmission between two shaft ends.
The stationary body is located using a lug. Rotor is inserted in to the driving shaft. An adapter plate is bolted in to the flexible coupling to transfer torque to the driven shaft.



ORDER EXAMPLE.

Electromagnetic Stationary Toothed Clutch
TYPE : 24.504.15 – 24 V.d.c
Bore d = 22mm / Keyway to DIN 6885