



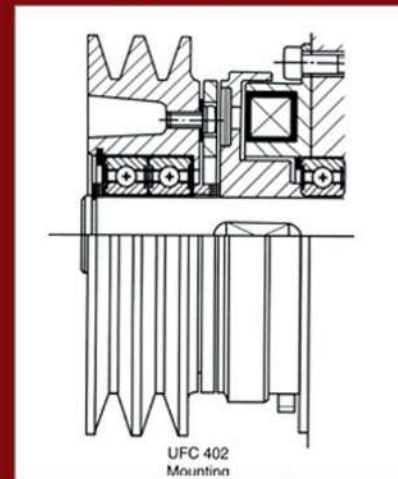
TYPICAL APPLICATIONS:

- Textile Machines
- Conveyors
- Glass making Machines
- Stone Polishing Machines
- Packaging Machines etc.
- Material handling equipments
- Machine Tools
- Marble Cutting Machines
- Photocopiers

WORKING

Flange mounted clutches are normally off type and operate on DC voltage. On applying DC voltage to the stator (coil) strong magnetic field is produced, which pulls the armature towards the friction material of the rotor over the air gap and torque gets transmitted free of back lash. On switching off power supply, the unique prestressed spring pulls the armature back into the original position and clutch is positively released free from residual torque.

MOUNTING



Reach us : Electromatic Engineers Pvt. Ltd.

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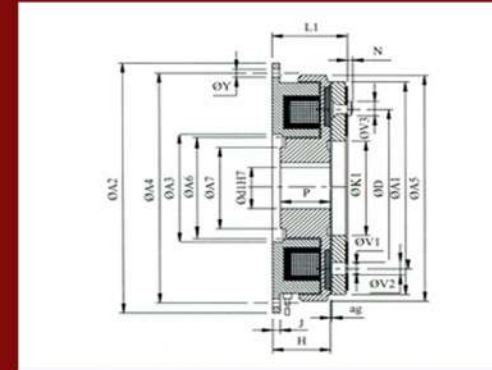


Group Companies : • **Unitorq Engineers (P) Ltd. ,** • **Sytco Engineers , Latur**

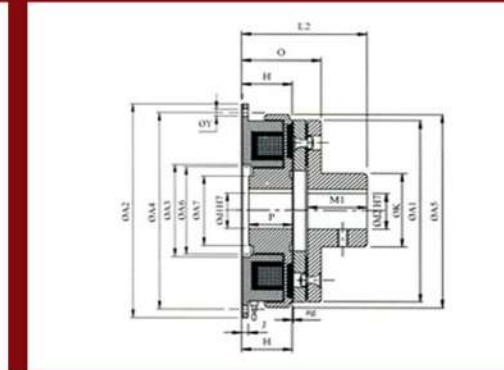
OFFICES

- DELHI
- COIMBATORE
- VADODARA
- KOLKATA
- BANGALORE
- HYDERABAD
- LATUR
- LUDHIANA
- CHENNAI
- AHMEDABAD
- INDORE
- MUMBAI
- BHILAI

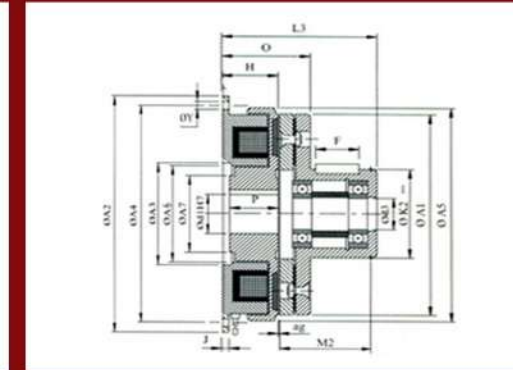
CLUTCH WITHOUT FLANGE HUB : DESIGN : 402



CLUTCH WITHOUT FLANGE HUB : DESIGN : 406



CLUTCH WITH BEARING MOUNTED FLANGE HUB- DESIGN : 408



DIMENSIONS - UFC SERIES

Size / Torque Nm	Voltage DC	Input Wattage W	Max rpm	Bore Diameters						D3 k6	A1	A2	A3	A4	A5
				d1 H7			d2 H7								
				Pilot	Std.	Max	Pilot	Std.	Max						
8	24/96/105/190/205 ♦Other Voltages On request	15	8000	10	11,12,14	15	10	11,12,14	17	12	63	80	35	72	68
15		20	7000	10	14,15,19	20	10	14,15,19	20	15	80	100	42	90	85
30		28	6000	14	15,19,24	25	14	19,24,28	30	20	100	125	52	112	106
60		35	5000	14	24,28,34	38	14	24,28,34	35	25	125	150	62	137	133
125		50	4000	20	28,38,42	45	20	28,38,42	45	30	160	190	80	175	170
250		68	3000	25	38,42,48	60	25	38,42,48	60	40	200	230	100	215	213
500		85	2000	25	60,65	70	25	60,70	80	45	250	290	125	270	265
625		140	1500	40	70,80	90	40	70,80	105	96	320	355	160	335	330
1240		205	1500	50	80,105	110	50	80,105	130	120	400	440	200	420	415
2550		288	1000	50	105,130	150	50	105,130	150	200	500	540	250	520	524

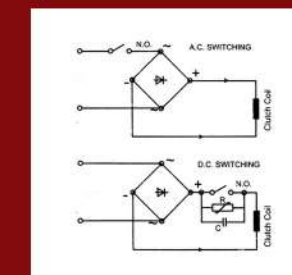
Size	D	G	H	J	K	K1	K2	LI	L2	L3	MI	N	O	P	PI	VI	V2	V3	Y	W1	Ag
8	46	5	24.0	2.0	34.5	28	38	28	43	52	15	1.5	31.5	22	14	3x3.2	3x6.5	3x6	4x4.5	10	0.3
15	60	8	26.5	2.5	41.5	32	45	31	51	61	20	1.8	35.0	24	20	3x4.2	3x8.0	3x7	4x5.5	14	0.4
30	76	10	30.0	3.0	51.5	42	55	36	61	72	25	2.1	41.0	27	22	3x5.2	3x10.5	3x9	4x6.6	16	0.4
60	95	12	33.5	3.5	61.5	50	64	41.5	71	87	30	2.8	46.5	30	32	3x6.2	3x12.0	3x10	4x6.6	18	0.5
125	120	15	37.5	4.0	79.5	65	75	47.5	85.5	104	38	3.4	53.5	34	40	3x8.2	3x15.0	3x14	4x9	20	0.6
250	158	20	44.0	5.0	99	84	90	56.5	104	125	48	4.5	65.0	40	50	3x10.2	3x18.0	3x17	4x9	25	0.8
500	210	30	51.0	6.0	125	105	115	64.5	115	145	51	4.5	75.0	47	50	4x12.2	4x22.0	4x19	4x11	32	0.8
625	250	30	63.0	14	160	135	145	80	142	160	70	5.0	92.0	53	•	4x16.2	4x28.0	4x26	8x11	*	1.5
1240	315	35	76.5	17	200	175	190	96.5	172	195	76	5.0	112	70	•	4x18.2	4x32.0	4x30	8x14	*	1.8
2550	400	40	93.0	22	250	225	240	118	220	236	100	5.0	138	84	•	4x20.2	4x35.0	4x32	8x14	*	2.0

1Nm=0.102 kgm = 0.737 lb-ft=10.2 kgcm

Specifications are subject to change without notice

Cable length approx. 400mm

All dimensions are in mm only * On request



SWITCHING:

Normally Off type clutches operates on D.C. voltage, hence A.C. to D.C. conversion is done by means of a suitable rectifier. Switching of the clutch can be on either sides. However, once application demands, higher switching frequency /faster engagement and disengagement time. Switching must be carried out on D.C. side. To restrict the high inductive voltage / back EMF a suitable supressor and capacitor network is provided across the contactor coil.

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