



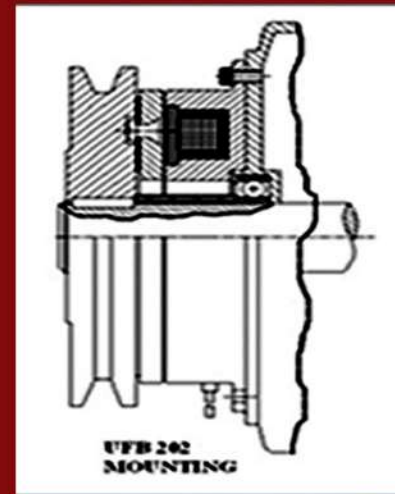
**TYPICAL APPLICATIONS :**

- Textile Machines
- Pick & Place Robots
- Laundry Machines
- Bottle Washing Machines
- Coil Winding Machines
- Printing Machines
- Plastic Machinery
- Brake Motors
- Wire Drawing Machines
- Packaging Machines etc.
- Machine Tools
- Conveyors
- Paper Machines

**WORKING**

These type of brakes are normally-off type and operates on power. When power is given to the stator (coil), the armature is attracted towards the asbestos free friction liner of the brake stator which clamps the rotating component stop at once.

On switching off the electric power, the unique prestressed spring pulls the armature plate back into its original position and brake positively released with no residual torque.



**UFB 202 MOUNTING**

**Reach us : Electromatic Engineers Pvt. Ltd.**

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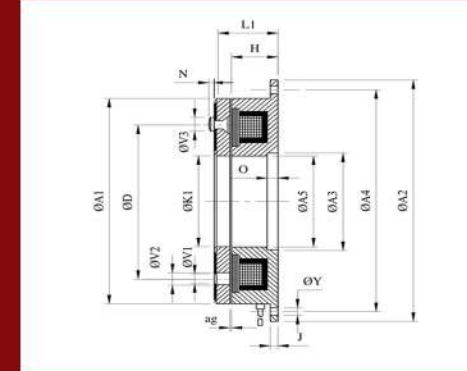


**Group Companies :** • **Unitorq Engineers (P) Ltd. ,** • **Sytco Engineers , Latur**

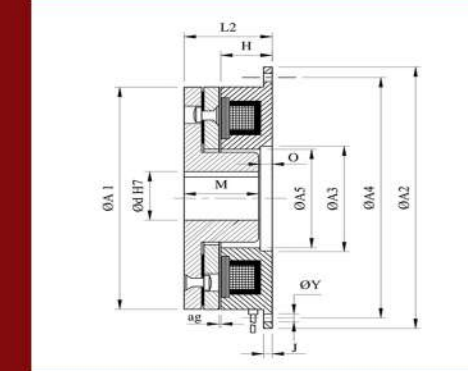
**OFFICES**

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

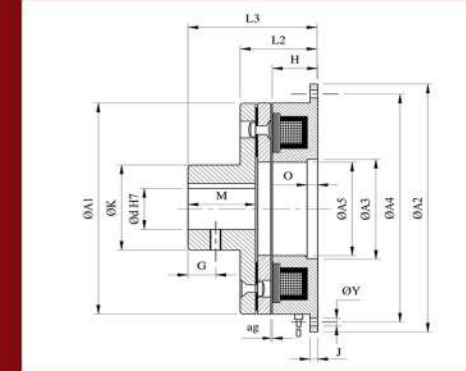
BRAKE WITHOUT FLANGE HUB - DESIGN : 202



BRAKE WITH INTERNAL FLANGE HUB - DESIGN : 204



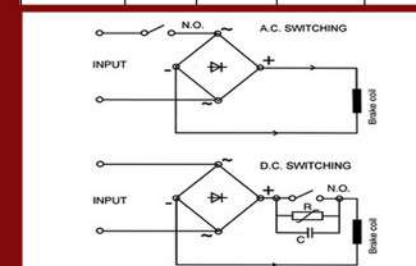
BRAKE WITH EXTERNAL FLANGE HUB - DESIGN : 206



**DIMENSIONAL DETAILS UFB SERIES**

Size/ Torque Nm	Voltage DC	Input Wattage	Max. rpm	Bore d H7			A1	A2	A3	A4	A5	D	G
				Pilot	Std.	Max							
8	24/96/ 105/ 190/ 205 *Other Voltages on request	11.5	8000	10	10,15	17	63	80	35	72	33	46	5
15		16	6000	10	15,17	20	80	100	42	90	40	60	8
30		21	5000	14	20,25	30	100	125	52	112	49	76	10
60		28	4000	14	20,30	35	125	150	62	137	59	95	12
125		38	3000	20	30,40	45	160	190	80	175	77	120	15
250		45	3000	25	40,50	60	200	230	100	215	97	158	20
500		70	2000	25	50,60	80	250	290	125	270	122	210	30
625		75	1500	25	60,80	100	320	355	160	335	156	250	35
1240		150	1500	30	80,110	130	400	440	200	420	196	315	40
2550		200	1000	40	100,120	130	500	540	250	520	246	400	40

Size	H	J	K	K1	L1	L2	L3	M	N	O	V1	V2	V3	Y	ag
8	18	2.0	28	34.5	22.0	25.5	37.0	15	1.5	3.5	3x3.2	3x6.5	3x6.0	4x4.5	0.3
15	20	2.5	32	41.5	24.5	28.5	44.5	20	1.8	4.0	3x4.2	3x8.0	3x7.0	4x5.5	0.3
30	22	3.0	42	51.5	28.0	33.0	53.0	25	2.1	5.0	3x5.2	3x10.5	3x9.0	4x6.5	0.4
60	24	3.5	50	61.5	31.0	37.0	61.0	30	2.8	5.5	3x6.2	3x12.0	3x10.5	4x6.5	0.4
125	26	4.0	65	79.5	35.0	42.0	73.0	38	3.4	6.0	3x8.2	3x15.0	3x14.0	4x9.0	0.6
250	30	5.0	84	99.0	41.5	50.5	89.5	48	4.5	7.0	3x10.2	3x18.0	3x17.0	4x9.0	0.8
500	35	6.0	105	125	48.0	59.0	103	70	4.5	8.0	4x12.2	4x22.0	4x19.0	4x11.0	0.8
625	44	14	135	160	60.0	79.0	125	70	5.0	9.0	4x16.2	4x28.0	4x26.0	8x11.0	1.5
1240	54	17	175	200	74.0	90.0	150	79	5.0	11	4x18.2	4x32.0	4x30.0	8x14.0	1.8
2550	65	22	225	250	90.0	111	192	100	5.0	14	4x20.2	4x35.0	4x32.0	8x14.0	2.0



**SWITCHING**

Normally off type clutches operate on D.C. voltage, hence A.C. to D.C. conversion is done by means of a suitable rectifier.

Switching of the brake can be on either side. 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 suppressor and capacitor network is provided across the contactor coil.

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