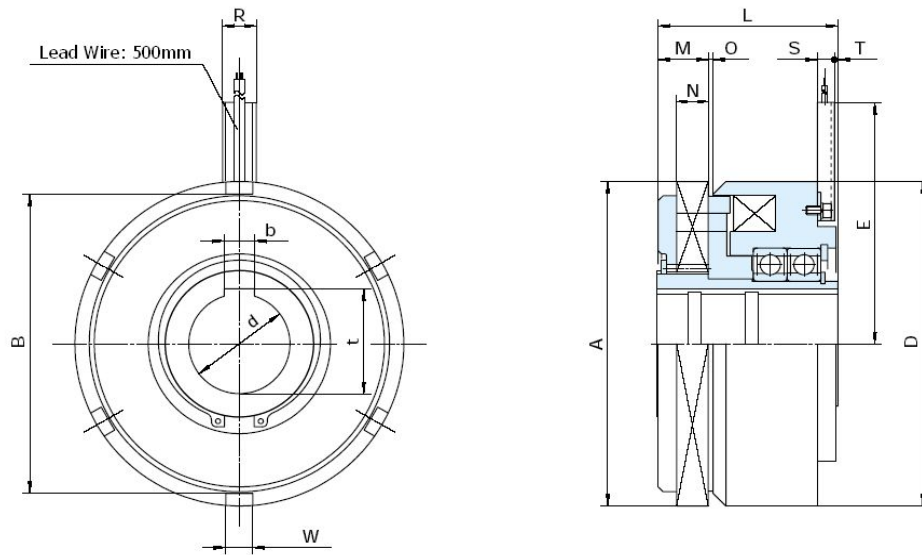


MDC

Dry-Type Multiple-Disk EM Clutch

Types: 40, 80, 160, 250, 320, 450, 600

[EM: Electromagnet]



MDC		40	80	160	250	320	450	600
Dynamic Torque [ft-lbs / N-m]		295 / 400	590 / 800	1180 / 1600	1844 / 2500	2360 / 3200	3319 / 4500	4425 / 6000
Static Torque [ft-lbs / N-m]		413 / 560	826 / 1120	1652 / 2240	2581 / 3499	3304 / 4480	4647 / 6300	6196 / 8400
Coil (20°C)	Voltage [DC-V]	24						
	Current [A]	2	2.5	3.7	4.6	5.1	7.3	6.2
	Resistance [Ω]	12	9.6	6.5	5.2	4.7	3.3	3.9
	Wattage [W]	50	60	90	110	125	175	150
Armature Pull-In Time [ms]		140	220	250	320	380	500	750
Torque Build-Up Time [ms]		290	610	700	810	930	1200	1500
Torque Decay Time [ms]		150	160	160	200	300	450	650
Max Allowable Speed [rpm]		550	450	400	350	300	250	200
Moment of Inertia (J) [kg-cm ²]	Hub	249	715	2070	3580	5400	10500	15500
	Outer Disc	24	97	340	590	930	1700	3800
Total Energy Until Life [J]		25.0 x 10 ⁷	35.0 x 10 ⁷	68.3 x 10 ⁷	88.3 x 10 ⁷	100.0 x 10 ⁷	141.7 x 10 ⁷	160.0 x 10 ⁷
Max Work Rate [W]		97	153	283	450	633	933	1417
Bore [mm]	dH7	60	70	90	100	110	120	140
Key Way [mm]	bE9	18	20	25	28	28	32	35
	t+0.2/-0	63	75	95	106.5	119	130	151
Dimensions [mm]	A	195	235	290	325	350	400	440
	B	180	218	265	300	320	363.5	400
	D	195	235	290	324	350	392	428
	E	145	160	200	220	230	250	270
	L	107	135	170	185	210	220	255
	M	30.2	40	49	55	59.7	63	80
	N	18.7	23	30.8	33.5	37.7	36.3	53
	O	3	4	5	5	10.1	10	10
	R	20	20	25	30	30	30	30
	S	10	10	18	15	15	15	15
	T	2	4	5	11	10	17	17
	W	16	22	30	40	40	50	50
	W (Qty)	6	6	6	6	6	6	8
Weight [lbs / kg]		37 / 17	71 / 32	123 / 56	174 / 79	229 / 104	309 / 140	423 / 192
Coupling		UN40	UN80	UN160	UN250	UN320	UN450	UN600

[Included parts & accessories : surge protector]

[1" = 25.4mm]