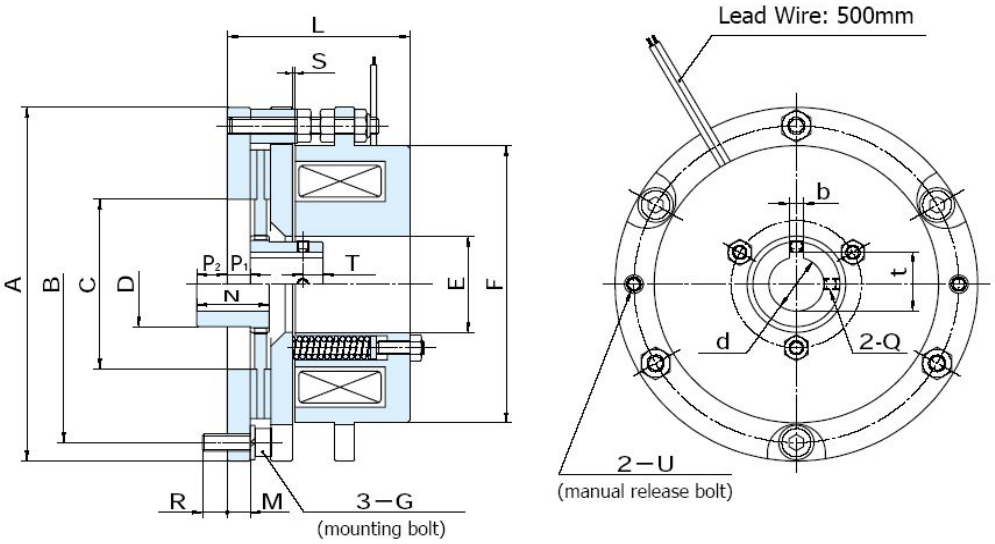
MNB

EM Spring-Applied Brake

Types: 1.2, 2.5, 5, 10, 20, 40, 80

[EM: Electromagnet]



MNB		1.2G	1.2K	2.5G	2.5K	5G	5K	10G	10K	20J	20K	40J	40K	80J	80K
Static Torque [ft-lbs / N-m]		8.9 / 12		18 / 25		37 / 50		74 / 100		148 / 200		295 / 400		590 / 800	
Coil (20°C)	Voltage [DC-V]	24	90	24	90	24	90	24	90	72	90	72	90	72	90
	Current [A]	1	0.26	1.6	0.39	1.74	0.47	2.2	0.58	0.58	0.97	1.1	1.3	1.4	1.8
	Resistance [Ω]	24	350	15	230	14	190	11	150	150	74	82	55	62	40
	Wattage [W]	24	23	39	35	42	42	53	53	53	70	98	94	130	130
Armature	Pull-In Time [ms]	80	40[1]	100	45[1]	120	60[1]	180	90[1]	120[1]	90[2]	160	120[2]	200	160[2]
	Release Time [ms]	70	70[1]	100	100[1]	120	120[1]	160	160[1]	180[1]	100[2]	220	140[2]	230	150[2]
Max Allowable Speed [rpm]		3500		3000		3000		2500		2500		2000		2000	
Moment of Inertia (J) [kg-cm²]		3		6		14.5		25		60		170		503	
Max Air Gap Until Adjustment [mm]		0.8		0.8		0.8		0.8		1		1.2		1.2	
Max Energy Until Adjustment [J]		7.2×10^7		1.0×10^8		1.4×10^8		1.6×10^8		3.0×10^8		5.6×10^8		7.0×10^8	
Max Energy Until Life [J]		2.0×10^8		3.4×10^8		4.8×10^8		7.9×10^8		1.2×10^9		2.2×10^9		3.2×10^9	
Max Work Rate [W]		123		147		245		327		490		590		700	
Bore [mm]	d_{H7}	19		24		28		32		42		55		65	
Key Way [mm]	b_{E9}	5		7		7		10		12		16		18	
	$t_{+0.15/-0}$	21		27		31		35.5		45.5		60		71	
Dimensions [mm]	A_{h9}	125		145		165		190		230		275		340	
	B	112		130		150		170		210		250		305	
	C_{H9}	60		75		85		95		125		150		180	
	D	30		38		45		52		65		80		95	
	E	34		44		54		60		70		90		105	
	F	98		116		134		152		186		220		270	
	G	M6		M6		M6		M8		M8		M12		M16	
	L	63		72		78		88		98		125		145	
	L[3]	63		72		78		88		98		143		167	
	M	8		9		10		11		12		15		18	
	N	25		30		35		40		50		60		70	
	P_1	8		9		10		11		12		15		18	
	P_2	10.5		13		16		18		27		31		33	
	Q	M4		M5		M6		M6		M8		M8		M8	
	R	8.5		9.5		8.5		12		11		17		23	
	S	0.1~0.35		0.1~0.35		0.1~0.35		0.2~0.45		0.2~0.45		0.2~0.45		0.3~0.55	
	T	7		10		10		15		15		28		30	
	U	M5-28		M6-30		M6-35		M8-40		M10-45		M12-85		M12-95	
Weight [lbs / kg]		7.3 / 3.3		11 / 5		16 / 7		24 / 11		41 / 19		77 / 35		137 / 62	

[Note 1 : OFS 220 power supply]

[Note 2 : OHP 18H power supply]

[Note 3 : Total height including gap adjustment bolt]

[1 inch = 25.4 mm]

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