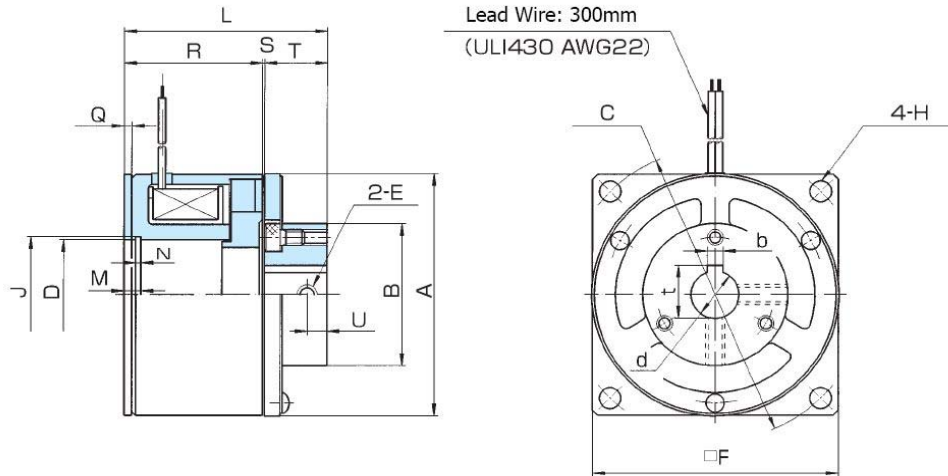


AMB

Micro EM Brake

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

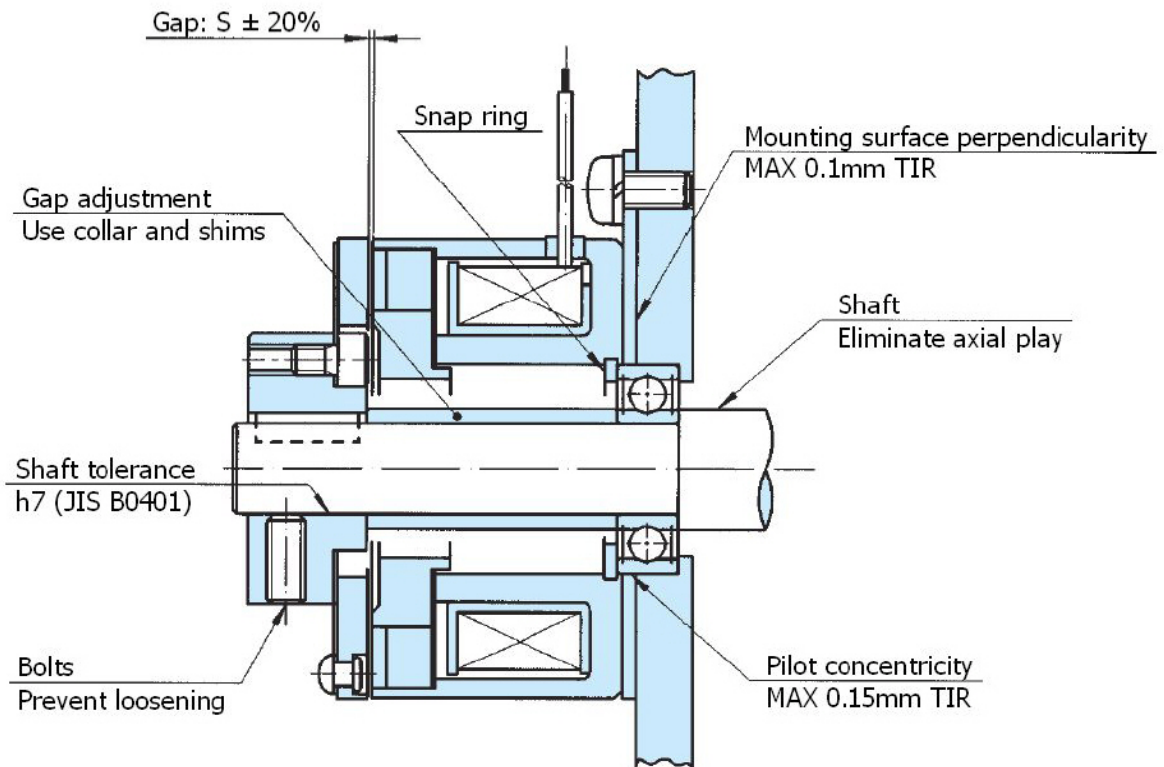
[EM: Electromagnet]



AMB		2.5	5	10	20	40	80
Static Torque [in-lbs / N-m]		2.2 / 0.25	4.4 / 0.5	8.9 / 1	18 / 2	35 / 4	71 / 8
Coil (20°C)	Voltage [DC-V]	24					
	Current [A]	0.13	0.17	0.25	0.26	0.38	0.48
	Resistance [Ω]	192	144	96	94	64	50
	Wattage [W]	3	4	6	6.1	9	11.5
	Time Constant [ms]	4	7	10	11	19	24
Armature	Pull-In Time [ms]	10	13	17	21	32	37
	Release Time [ms]	15	20	25	26	40	45
Torque Build-Up Time [ms]		15	17	27	35	55	60
Max Allowable Speed [rpm]		3600	3600	3600	3600	3600	3600
Moment of Inertia (J) [kg-cm ²]		0.035	0.055	0.103	0.193	0.495	1.05
Max Air Gap Until Adjustment [mm]		0.4	0.45	0.55	0.6	0.7	0.7
Total Energy Until Adjustment [J]		2.8 x 10 ⁶	4.5 x 10 ⁶	7.5 x 10 ⁶	1.2 x 10 ⁷	1.8 x 10 ⁷	2.7 x 10 ⁷
Total Energy Until Life [J]		8.7 x 10 ⁶	1.4 x 10 ⁷	2.3 x 10 ⁷	3.8 x 10 ⁷	5.8 x 10 ⁷	8.5 x 10 ⁷
Max Work Rate [W]		18	20	26	30	40	55
Bore [mm]	dH8	6	6	8	10	12	15
Key Way [mm]	bE9	2	2	2.5	4	4	5
	t+0.1/-0	6.9	6.9	8.9	11.5	13.5	17
Dimensions [mm]	A	35	40	46	51	61	70
	B	22	22	26	31	36	40
	C	42	48	56	63	74	84
	DH7	15	15	22	26	28	32
	E	M3	M3	M4	M4	M5	M5
	F	35	40.2	46.2	53	61	70.2
	H	3.3	3.3	4.5	4.5	5.3	5.3
	J	15.7	15.7	23	27.2	29.4	33.7
	L	31	31	39.8	44.3	50.5	53.5
	M	3.5	3.5	3.5	4.2	4.2	4.2
	N	1.15	1.15	1.15	1.35	1.35	1.35
	Q	1.4	1.4	1.4	1.4	1.9	1.9
	R	21.8	21.8	27.55	30.05	34.5	35.5
	S	0.15~0.25	0.15~0.25	0.2~0.3	0.2~0.3	0.25~0.35	0.25~0.35
	T	9	9	12	14	15.7	17.7
	U	3	3	4	5	5	5
Weight [lbs / kg]		0.28 / 0.13	0.37 / 0.17	0.56 / 0.25	0.82 / 0.37	1.3 / 0.6	1.9 / 0.9

[1" = 25.4mm]

AMB: TYPICAL INSTALLATION



AMB: TORQUE CHARACTERISTIC & MAX WORK RATE

