

ECLIPSE™ SPRING-SET MOTOR BRAKE

For 0,37 to 7,5 kW IEC B5 Flange Motors

The Nexen flange mounted Eclipse Spring-Set Motor Brake is designed for use with 0,37 – 7,5 kW IEC B5 flange motors. This power-off brake is ideal for use in cycling, emergency stopping and holding applications. Low wear rate on the friction material combined with high thermal capabilities make this Motor Brake ideal for dynamic stopping applications. All Nexen spring-set pneumatic brakes run cooler and last longer than electrical spring-set brakes. Replace your double shafted brake motor with a standard motor and a Nexen Spring-Set Motor brake for off-the-shelf availability.



IEC B5 Flange Motor Brake

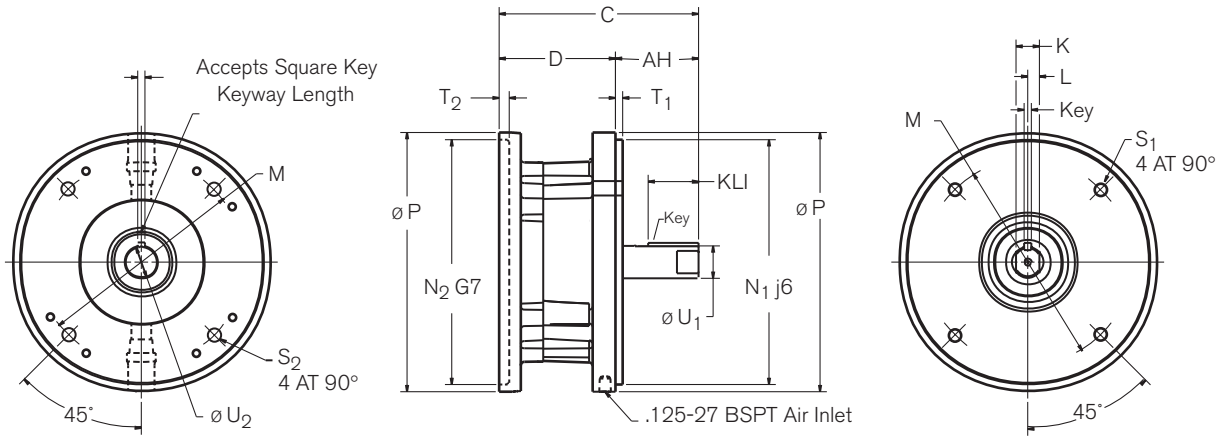


- Simple installation with split hub and shaft collar
- Spring-set, air-released brake for holding applications
- Power-off brakes for emergency and dynamic stopping functions
- Fits 0,37 to 7,5 kilowatt IEC B5 flange motors
- High torque capacity
- Operating speed up to 5000 rpm
- Continuous thermal horsepower up to 0,22 kW {0.30 HP_t}
- Low inertia rotor/shaft
- Easy to install, completely assembled
- Vertical or horizontal mounting configuration
- Totally enclosed
- Exterior finish: black paint

IEC MOTOR/FRAME SELECTION CHART

Use this chart as specification and operational criteria for your application.

kW of Motor	RPM	Frame Number	Motor Shaft (mm)	Brake Model Number
0,37	1000	80	19	EMB 130-19
0,55	1000, 1500	80	19	EMB 130-19
0,75	1000	90S	24	EMB 130-24
0,75	1500, 3000	80	19	EMB 130-19
1,1	1000	90L	24	EMB 130-24
1,1	1500	90S	24	EMB 130-24
1,5	1500, 3000	90L, 90S	24	EMB 130-24
1,5	1000	100L	28	EMB 180-28
2,2	1000	112M	28	EMB 180-28
2,2	1500, 3000	100L, 90L	28	EMB 180-28
3,0	1000	132S	38	EMB 230-38
3,0	1500, 3000	100L	28	EMB 180-28
4,0	1500, 3000	112M	28	EMB 180-28
5,5	1500, 3000	132S	38	EMB 230-38
4,0	1000	132M	38	EMB 230-38
5,5	1000	132M	38	EMB 230-38
7,5	1500, 3000	132M, 132S	38	EMB 230-38



DIMENSIONS MM

MODEL	KEY	AH	C	D	M	N ₁	N ₂	P	S ₁	S ₂	T ₁	T ₂	U ₁	U ₂	KL1	K	L
EMB 130-19	6	40	185	145	165	130	130	200	12	M10	3,5	5	19	19	32	14	7
EMB 130-24	8	50	195	145	165	130	130	200	12SLOT	12SLOT	3,5	5	24	24	35	18	9
EMB 180-28	8	60	163	103	215	180	180	229	M8	9	6,4	6,2	28	28	45	20	10
EMB 230-38	10	80	185	105	265	230	230	300	15	M14	4,0	4,4	38	38	51	25	12,5

Tolerances / Subscript "1" = j6 "2" = G7

SPECIFICATIONS MM

MODEL	PRODUCT NUMBER	IEC B5 MOTOR FRAME	MIN HOLDING TORQUE ²	KW THERMAL DISSIPATION TO UP	INERTIA	MAX RPM	MIN DISENGAGEMENT AIR PRESSURE	SHIPPING WEIGHT
EMB 130-19	964910	80	45 Nm	0,22	0.150 kg-m ²	10000	5,5 bar	7 kg
EMB 130-24	964911	90L, 90S	45 Nm	0,22	0.150 kg-m ²	10000	5,5 bar	7 kg
EMB 180-28	965301	100L, 112M	100 Nm	0,22	0.0039 kg-m ²	5000	4,4 bar	17 kg
EMB 230-38	965303	132M ¹	125 Nm	0,22	0.0044 kg-m ²	5000	5,5 bar	23 kg

¹ Consult factory for 11 kW applications. ² For other than specified holding torque, contact Nexen.

ECLIPSE™ PRODUCT NUMBER PAGE REFERENCE

Product Numbers listed in numerical order with page numbers

PRODUCT NUMBER	PAGE NUMBER	PRODUCT NUMBER	PAGE NUMBER	PRODUCT NUMBER	PAGE NUMBER	PRODUCT NUMBER	PAGE NUMBER	PRODUCT NUMBER	PAGE NUMBER	PRODUCT NUMBER	PAGE NUMBER
948802	.....9	960118	.....7	964632	.....7	964815	.....4, 5	964909	.....4, 5	965101	.....6
948804	.....9	960119	.....7	964633	.....7	964816	.....4, 5	964910	.....11	965200	.....6
948805	.....9	960120	.....7	964634	.....7	964817	.....4, 5	964911	.....11	965300	.....9
948806	.....9	960121	.....7	964635	.....7	964818	.....4, 5	964912	.....4, 5	965301	.....11
948807	.....9	960122	.....7	964709	.....4, 5	964819	.....4, 5	965000	.....6	965303	.....11
948808	.....9	964605	.....4, 5	964710	.....4, 5	964820	.....4, 5	965001	.....6	965310	.....9
948809	.....9	964606	.....4, 5	964711	.....4, 5	964821	.....4, 5	965005	.....6	965320	.....9
948810	.....9	964630	.....7	964712	.....4, 5	964906	.....4, 5	965006	.....6		
960117	.....7	964631	.....7	964814	.....4, 5	964907	.....4, 5	965100	.....6		