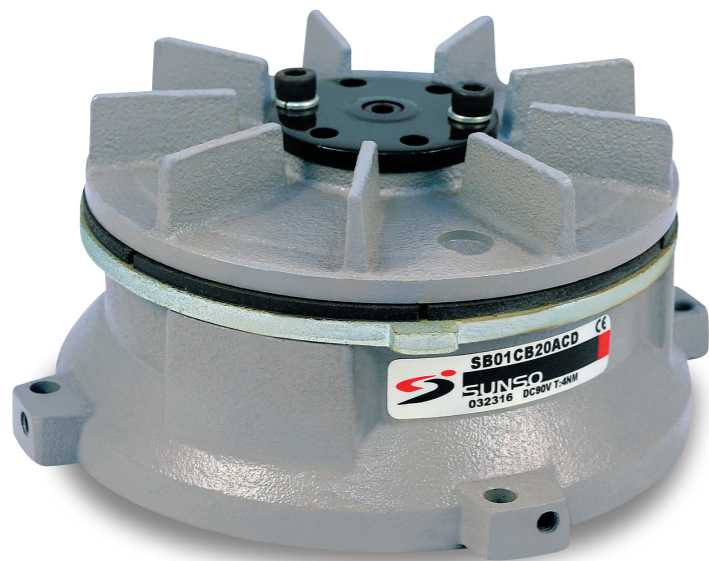


SB01 Spring-Applied Brake



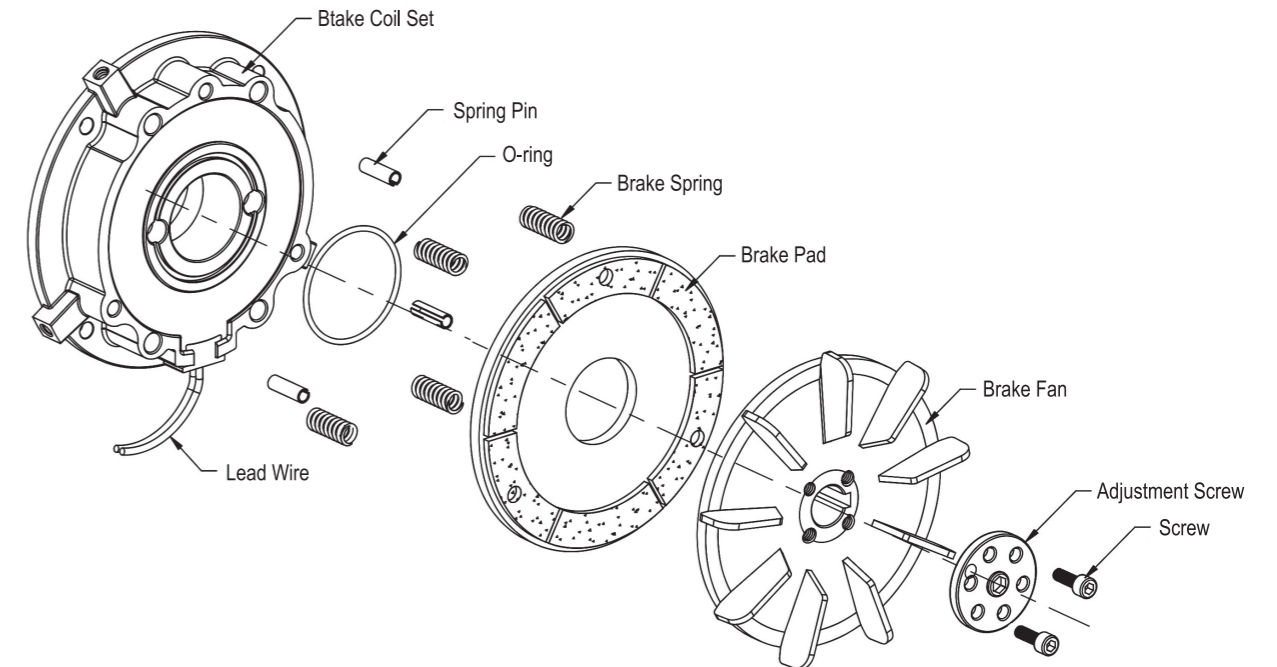
Product Overview

SB01 brake is a sort of spring-applied electromagnetic brake and can replace the end-cap of motor to shorten space. The main purpose of SB01 brake is to stop the rotation of the motor shaft instantly.

Its major features are:

- Solid Structure
- Simplified Installation
- Operation with Silent
- Application broadly: The brake enables to cooperate the R&D process of various models or specialized gear.
- Heat Radiation Smoothly: The impurity generated from frictions during operation is blown away by fan easily.
- High Heat-Resistance: The brake coil is covered and encircled by epoxy resin, while mechanical parts are also protected by heat-resistant coating materials.

Structure

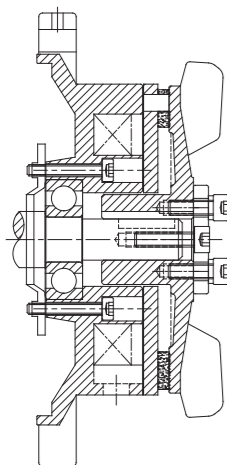


Specifications

Model : SB01

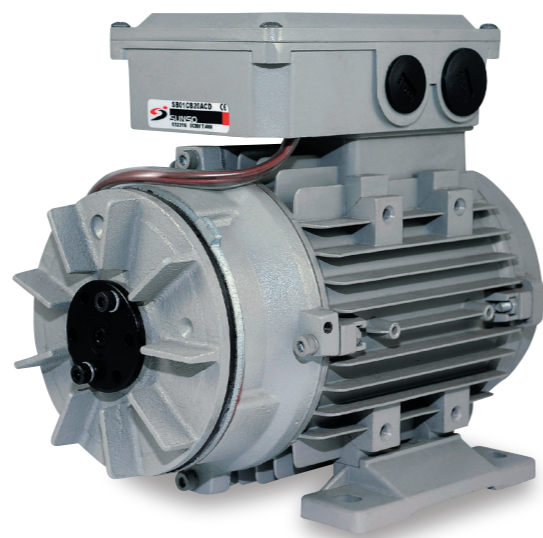
Series	A	B	C	D	E	F	G	H
Matched Motor Frame Size	56	63	71	80	90	100	112	132
Motor Power (KW)	0.09	0.18	0.37	0.75	1.5	2.2	3.7	5.6
Rated Torque (N.M)	0.9	1.8	3.6	7	14	21	35	52.5
Rated Voltage (DC-V)	96	96	96	96	96	96	96	96
Consumption Power (W)	11	17	21	52.5	47	54	54	120
Brake Air Gap (mm)	Standard Value	0.2	0.2	0.25	0.25	0.35	0.35	0.35
	Limited Value	0.4	0.6	0.6	0.7	0.8	0.8	0.8
Weight (Kg)	1.2	1.8	2.9	3.2	5.8	8.3	8.6	12.3

Brake Working Principle



The motor end-cap is replaced by the brake coil set which is installed onto the motor. The armature plate is pushed and to press the brake pad through the compressed brake springs. The brake pad is combined with the motor shaft so that the motor shaft is hold by means of friction between the pad the armature plate.

When the power is connected to the brake coil, the force of the magnetic field is used for torque transmission. Then the armature plate is pulled in axial direction towards the brake coil set so that the brake pad is released and can be free rotation with the motor shaft.



Product Series Selection As Ordering

Model	Size Spec	Frame Materials	Options	Brake Power	Voltage
SB01	D 80	E Cast Iron Contracted	A Standard	C 200%	A DC12V
SB01	A 56	A Iron /Aluim	A Standard B Hand Release	A 100% B 180% C 200% D 250% E 300%	A DC12V
	B 63	B Iron /Aluim			B DC24V
	C 71	C Cast Iron			C DC48V
	D 80	D Cast Iron Y-series			D DC96V
	E 90	E Cast Iron Contracted			E DC130V
	F 100				F DC190V
	G 112				G DC220V
	H 132				