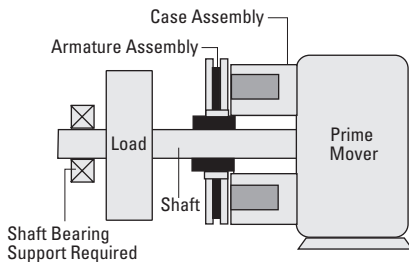
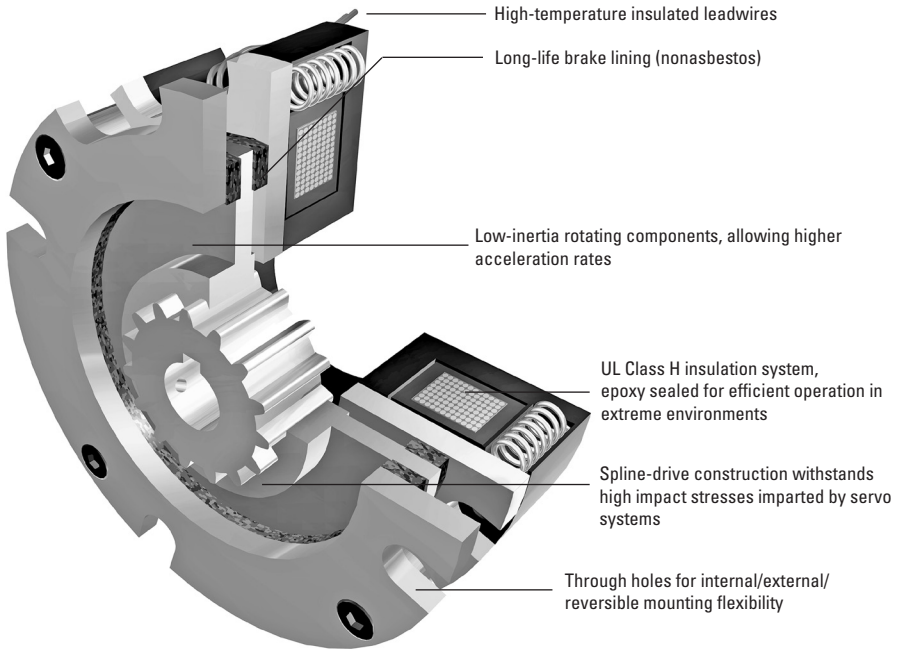


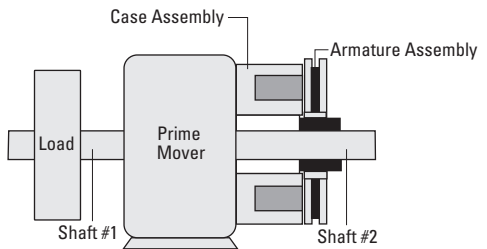


### Power-Off Brake – S90SB9- series

Used to stop or hold a load in the absence of power. The case assembly is mounted or fastened to a bulkhead. The armature assembly is attached to the rotating load.



**Option 1: Single Output Shaft**



**Option 2: Double Output Shaft**

SIMPLE INSTALLATION  
ECONOMICAL COST  
ENERGY EFFICIENT  
SPLINED HUB

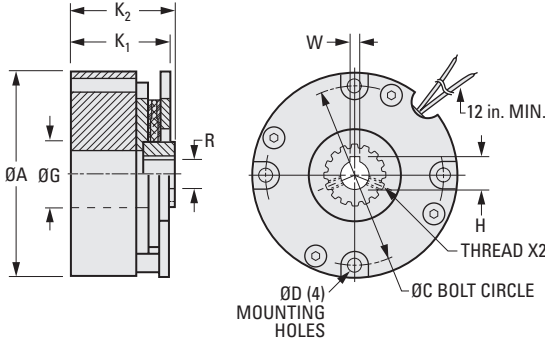
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**> COIL DATA:**

Voltage: 24V DC

Other voltages available on special order.



Keyway Dimensions				
R Bore	.250	.312	.375	.500
W Width	.062	.094	.094	.125
H Height	.286	.364	.425	.564

**INCH COMPONENT**

Catalog Number	Static Torque lbf in.	Max. watts	R Hub Bore	G Case Inside Dia.	A Dia.	C Dia.	D Dia.	K <sub>1</sub> OAL Short Hub	K <sub>2</sub> OAL Long Hub
S90SB9-15A04S	5	7	.250	.53	1.50	1.31	.125	1.06	—
S90SB9-15A04L	5	7	.250	.53	1.50	1.31	.125	—	1.18
S90SB9-15A05S	5	7	.312	.53	1.50	1.31	.125	1.06	—
S90SB9-15A05L	5	7	.312	.53	1.50	1.31	.125	—	1.18
S90SB9-15A06S	5	7	.375	.53	1.50	1.31	.125	1.06	—
S90SB9-15A06L	5	7	.375	.53	1.50	1.31	.125	—	1.18
S90SB9-17A04S	10	10	.250	.58	1.79	1.64	.093	1.19	—
S90SB9-17A04L	10	10	.250	.58	1.79	1.64	.093	—	1.32
S90SB9-17A06S	10	10	.375	.58	1.79	1.64	.093	1.19	—
S90SB9-17A06L	10	10	.375	.58	1.79	1.64	.093	—	1.32
S90SB9-17A08S	10	10	.500	.58	1.79	1.64	.093	1.19	—
S90SB9-17A08L	10	10	.500	.58	1.79	1.64	.093	—	1.32
S90SB9-19A04S	18	12	.250	.43	2.00	1.77	.146	1.19	—
S90SB9-19A04L	18	12	.250	.43	2.00	1.77	.146	—	1.38
S90SB9-19A06S	18	12	.375	.43	2.00	1.77	.146	1.19	—
S90SB9-19A06L	18	12	.375	.43	2.00	1.77	.146	—	1.38

Catalog Number (Ref.)	Thread	Nom. Resistance ohms	Armature		Rotor Inertia lbf in. sec <sup>2</sup>	Energy Dissipation lbf ft./min.	Weight lb.
			Engagement msec	Disengagement msec			
S90SB9-15A...	#2-56	96	20	10	4.38 x 10 <sup>-6</sup>	500	.3
S90SB9-17A...	#6-32	64	20	10	1.87 x 10 <sup>-5</sup>	700	.7
S90SB9-19A...	#6-32	54	35	10	2.36 x 10 <sup>-5</sup>	900	.7

\* Typical torque after burnishing; units shipped burnished.

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SIMPLE INSTALLATION  
ECONOMICAL COST  
ENERGY EFFICIENT  
SPLINED HUB

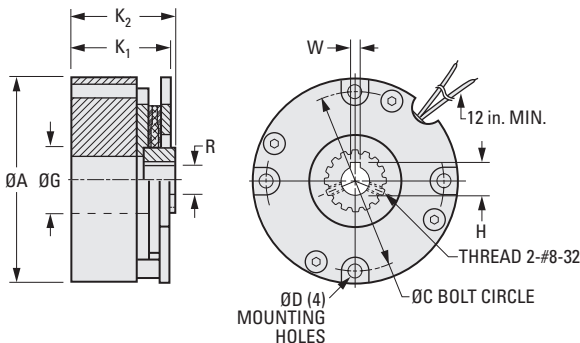
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**> COIL DATA:**

**Voltage:** 24V DC

Other voltages available on special order.



Keyway Dimensions			
R Bore	.375	.500	.625
W Width	.094	.125	.188
H Height	.425	.564	.709

**INCH COMPONENT**

Catalog Number	Static Torque lbf in.	Max. watts	R Hub Bore	G Case Inside Dia.	A Dia.	C Dia.	D Dia.	K <sub>1</sub> OAL Short Hub	K <sub>2</sub> OAL Long Hub
S90SB9-28A06S	80	20	.375	1.18	3.03	2.76	.177	1.22	—
S90SB9-28A06L	80	20	.375	1.18	3.03	2.76	.177	—	1.45
S90SB9-28A08S	80	20	.500	1.18	3.03	2.76	.177	1.22	—
S90SB9-28A08L	80	20	.500	1.18	3.03	2.76	.177	—	1.45
S90SB9-28A10S	80	20	.625	1.18	3.03	2.76	.177	1.22	—
S90SB9-28A10L	80	20	.625	1.18	3.03	2.76	.177	—	1.45

Catalog Number (Ref.)	Thread	Nom. Resistance ohms	Armature		Rotor Inertia lbf in. sec <sup>2</sup>	Energy Dissipation lbf ft./min.	Weight lb.
			Engagement msec	Disengagement msec			
S90SB9-28A...	#8-32	36	50	40	1.06 x 10 <sup>-4</sup>	1800	1.8

\* Typical torque after burnishing; units shipped burnished.

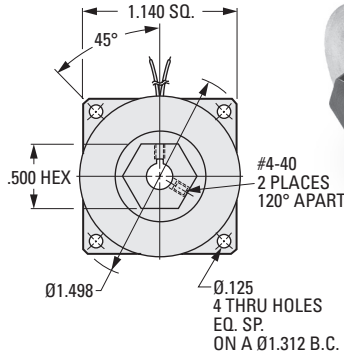
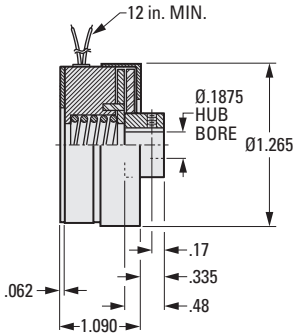
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BRAKES LOAD IN ABSENCE OF POWER

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**> COIL DATA:**  
Voltage: 24V DC



Keyway Dimensions	
Bore	.1875
Width	.062
Height	.224

INCH COMPONENT			
Catalog Number *	Static Torque lbf in.	Max. wattage	Weight oz.
S90BRC-11A03	5	7	4

\* To be discontinued when present stock is depleted.

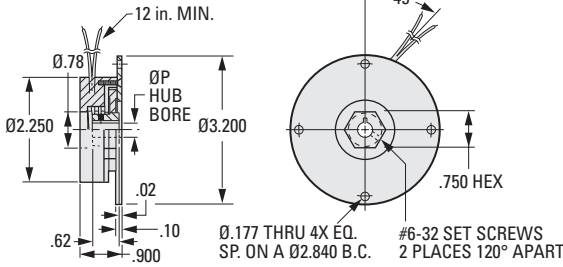
# POWER-OFF PARALLEL PLATE BRAKES



STOPS CRITICAL LOADS UPON POWER FAILURE PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM

**> COIL DATA:**

Voltage: 24V DC



Keyway Dimensions			
Bore	.250	.3125	.375
Width	.062	.094	.094
Height	.286	.364	.425

INCH COMPONENT				
Catalog Number *	Min. Static Torque lbf in.	Max. wattage	P Hub Bore	Weight oz.
S90BRP-22A04	8	8	.2500	12
S90BRP-22A05	8	8	.3125	12
S90BRP-22A06	8	8	.3750	12

\* To be discontinued when present stock is depleted.

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