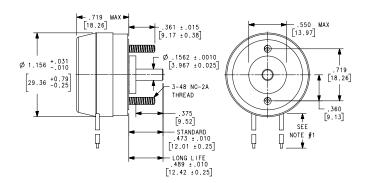


Rotary Solenoid 3 Ball Race

Precision Elongated Coil - 2E

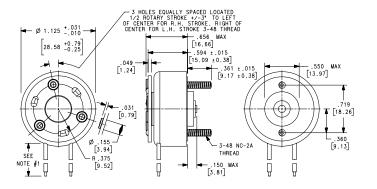
X3X8X9



Armature cover Base end shaft Return spring



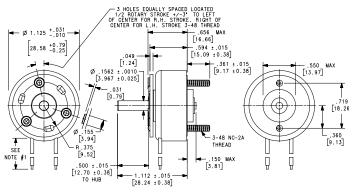
X6X9



No Shafts 3 tapped holes Return spring



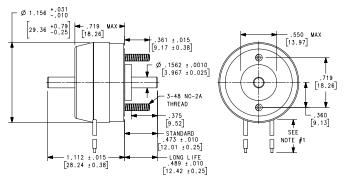
X4X6X9



Armature end shaft 3 tapped holes Return spring



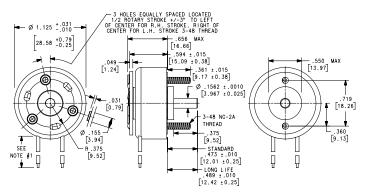
X3X4X8X9



Armature cover Double shaft Return spring



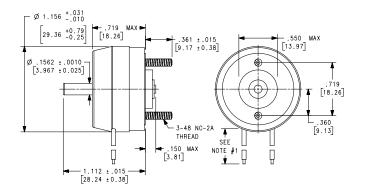
X3X6X9



Double shaft 3 tapped holes Return spring



X4X8X9



Armature cover
Armature end shaft
Return spring



Specifications

- Minimum Heat Sink: Maximum watts dissipated by solenoid are based on an unrestricted flow of air at 20°C, with solenoid mounted on the equivalent of an aluminum plate measuring 3 3/8" square by 1/8" thick.
- Coil Resistance: ±5% tolerance
- Weight: 2 oz (56.7 gms)

				Duty Cycle						
				100%	50%	25%	10%	5%		
Part No.	Rotation	Design Type	Resistance (Ω)	VDC (NOM)	VDC (NOM)	VDC (NOM)	VDC (NOM)	VDC (NOM)		
H-1024-032	25° CW	X3X8X9	28.15	13.9	19.8	28.0	44.0	63.0		
H-1079-031	45° CW	X6X9	16.85	11.0	15.6	22.0	35.0	49.0		
H-1079-032	45° CW	X6X9	28.15	13.9	19.8	28.0	44.0	63.0		
H-1079-034	45° CW	X6X9	69.56	23.0	32.0	45.0	72.0	101.0		
H-15094-034	35° CCW	X4X6X9	69.56	23.0	32.0	45.0	72.0	101.0		
H-2116-034	35° CW	X3X8X9	69.56	23.0	32.0	45.0	72.0	101.0		
H-2168-032	25° CW	X6X9	28.15	13.9	19.8	28.0	44.0	63.0		
H-2168-034	25° CW	X6X9	69.56	23.0	32.0	45.0	72.0	101.0		
H-2346-032	25° CCW	X6X9	28.15	13.9	19.8	28.0	44.0	63.0		
H-2346-034	25° CCW	X6X9	69.56	23.0	32.0	45.0	72.0	101.0		
H-2390-032	25° CW	X3X4X8X9	28.15	13.9	19.8	28.0	44.0	63.0		
H-2744-032	45° CCW	X6X9	28.15	13.9	19.8	28.0	44.0	63.0		
H-3112-034	45° CCW	X4X6X9	69.56	23.0	32.0	45.0	72.0	101.0		
H-3265-034	45° CW	X3X6X9	69.56	23.0	32.0	45.0	72.0	101.0		
L-2168-032 ¹	25° CW	X6X9	28.15	13.9	19.8	28.0	44.0	63.0		
L-2168-035 ¹	25° CW	X6X9	112.00	29.0	40.0	57.0	91.0	128.0		
L-2264-034 ¹	45° CW	X4X8X9	69.56	23.0	32.0	45.0	72.0	101.0		
L-2265-030 ¹	45° CCW	X4X8X9	11.03	8.8	12.5	17.7	28.0	40.0		
L-2744-034 ¹	45° CCW	X6X9	69.56	23.0	32.0	45.0	72.0	101.0		

¹Long Life models provide approximately 90% of the charted torque.

Direction of rotation (cw - clockwise or ccw - counterclockwise) is viewed from the armature end of the solenoid opposite the mounting studs.

Starting Torque (lb-in) @ 20°C Maximum Duty Cycle

Stroke	Holding Torque (lb-in)	100%	50%	25%	10%	5%
25°	0.5	0.2	0.4	0.7	1.4	1.7
35°	*	0.2	0.3	0.5	1.1	1.3
45°	0.3	0.1	0.2	0.4	0.7	0.9
Maximum ON Time (sec) when pulsed continuously		00	100	36	7.0	2.5
Maximum ON Time (sec) for a single pulse		00	162	44	8.0	2.8
Watts (@20°C)	7	14	28	70	140	
Ampere Turns (@20	425	602	849	1350	1904	

Gross torque shown. For net available starting torque subtract return spring torque of 0.06lb-in $\pm 20\%$.

Not recommended for use at 100% duty.

Holding torque is shown at the stabilized temperature of 105°C and continuous duty power.



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Our Ohio-based engineering team has the largest portfolio of reliable motion solutions in the industry at their fingertips. Comprehensive design and manufacturing resources are also available to support unique needs. Other customizations can also be developed to your exact performance and unit cost objectives, with fast prototype turnarounds or custom models. Contact us to discuss your specialized requirements.



WHY JOHNSON ELECTRIC?

Johnson Electric invented the rotary solenoid and still knows it best, with an ongoing foundation of innovation spanning more than 80 years.

Today, Johnson Electric is the leader in motion subsystems. Technological leadership, application expertise, and a global footprint make Johnson Electric your ideal solution partner for differentiated product development projects and supply chain excellence.



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^{*}Consult the factory.