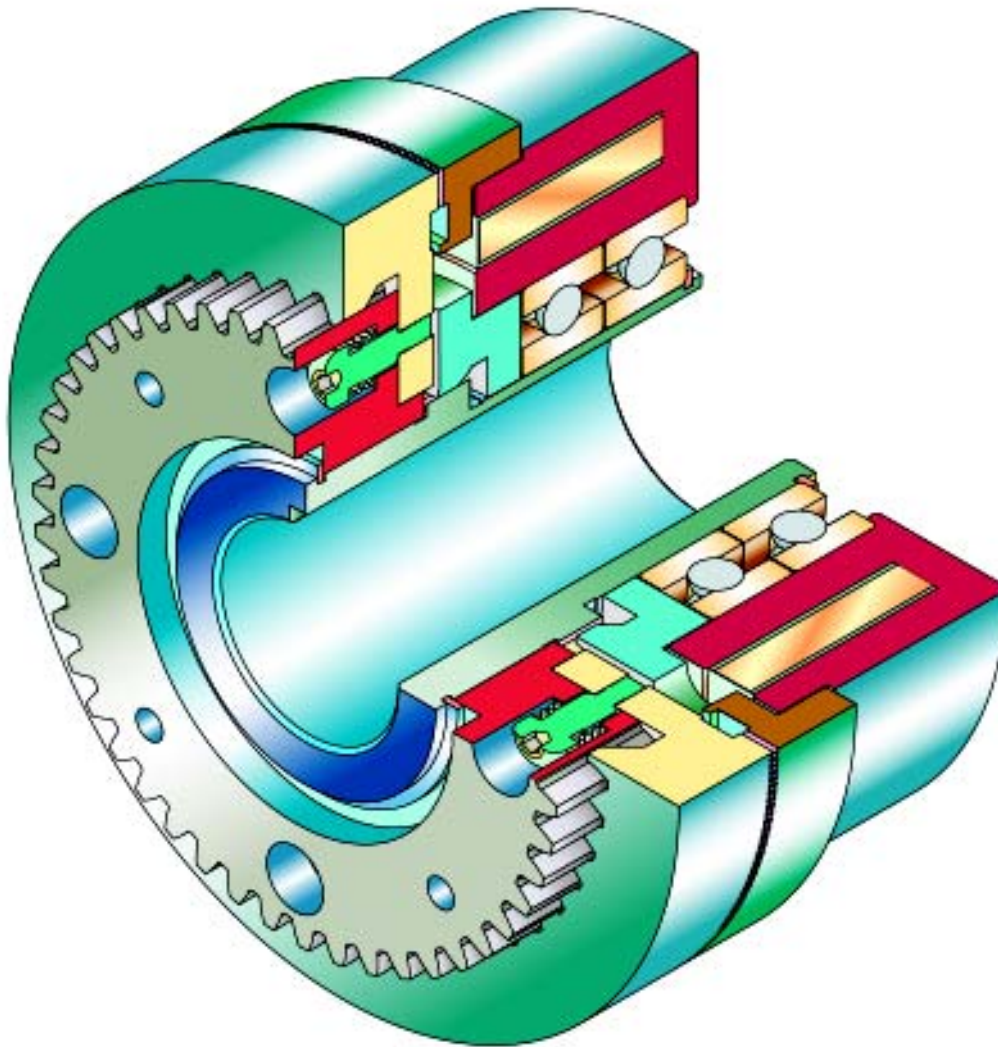


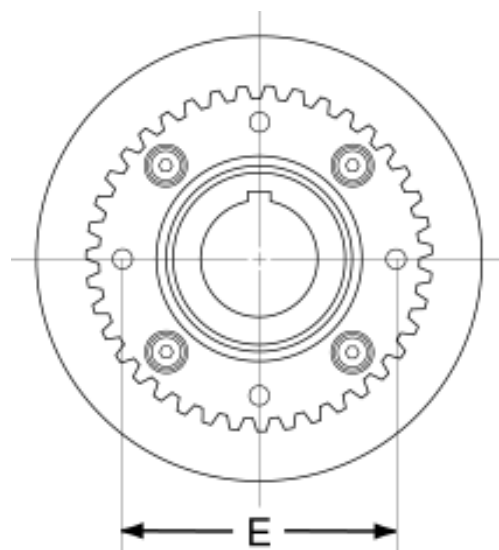
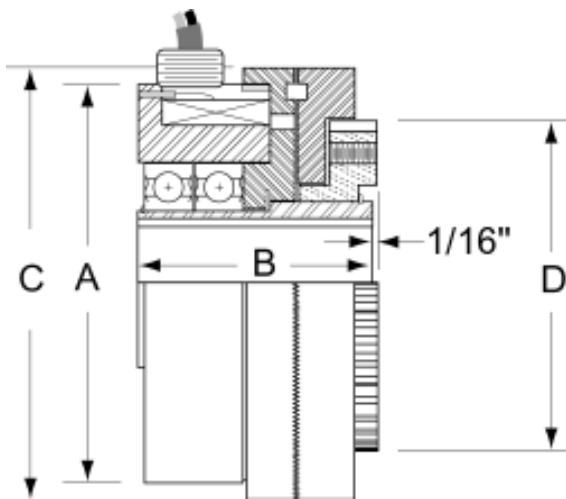
Electric Jaw Clutches and Brakes



THE MAXITORQ® ADVANTAGE

- Positive tooth drive assures secure engagement with minimum backlash
- Exclusive "Power Pack" control guarantees quick-acting engagement and release
- Highest torque in smallest space
- Drag-free neutral - no torque transmitted in disengaged mode
- Engaged entirely by induced magnetic flux
- Furnished completely assembled and ready to install on shaft
- Hardened jaws have teeth of high-carbon alloy steel for positive tooth drive





FEATURES / DIMENSIONS

MAXITORQ® Electric Jaw Clutches and Brakes are available with either 24 or 100 volt DC coils as standard equipment. Other voltages are available. Carlyle Johnson stocks coils with voltages ranging 6 to 240 volts DC.

Any of these standard designs may be modified for special uses, or we can design custom solutions for your application.

Jaw clutches and brakes are bi-directional. Operation is not dependent on rotation. Pins are also available with these designs to permit single position engagement, making it ideal for printing, labeling, and other special applications which require exact positioning.

Model	Clutch Dimensions			Adapter Flange Mounting Dimensions			
	Coil Diameter A [†]	Length B	Jaw Diameter C	No. of Screws Required	Screw Size	Pilot Diameter D	Bolt Circle E
JEB0375	3.797	2.563	4.047	3	1/4-20	3.226 3.222	2 1/4
JEB0425	4.359	2.750	4.625	3	1/4-20	4.059 4.055	3
JEB0475	4.828	3.063	5.188	4	1/4-20	4.059 4.055	3 3/16
JEB0625	6.359	3.625	6.750	4	1/2-13	5.975 5.970	4 1/2
JEB0800	8.094	4.063	8.500	6	3/8-16	7.375 7.370	5 1/2

[†] - Dimensions shown are approximate. Contact Engineering for actual diameter

Carlyle Johnson has over 100 years experience in producing high quality clutches, brakes, torque limiters, spring-set brakes, and power take-off packages. Our clutch knowledge and capability to respond to customer requirements is known throughout the industry. We offer a full-time engineering staff to assist you with new applications and in solving power transmission problems.

SPECIFICATIONS

Model	Static Torque (lb ft)	Teeth (qty)	Bore		Keyway (in)	Engagement Speed (Max) (rpm)	Operating Speed (Max) (rpm)	Coil Rating		Coil Temp Max (°C)	Inertia		Angular Backlash (°)
			Min (in)	Max (in)				Voltage ⁽¹⁾ VDC ±10%	Power ⁽²⁾ watts		Clutch (lb-t/sec ²)	Clutch & Adapter (lb-t/sec ²)	
JEB0375	60	360	3/4	7/8	3/16 X 3/32	100	5000	100 or 24	45	300°	.0004	.0011	1°
JEB0425	70	360	1	1 1/8	3/16 X 3/32	100	5000	100 or 24	44	300°	.0009	.0021	1°
JEB0475	150	560	1 1/4	1 3/8	1/4 X 1/8	100	5000	100 or 24	62	300°	.0016	.0036	1.5°
JEB0625	300	560	1 3/4	1 7/8	3/8 X 3/16	100	4200	100 or 24	62	300°	.0059	.0123	1.5°
JEB0800	600	360	2	2 1/4	7/16 X 7/32	100	3600	100 or 24	76	300°	.0175	.0343	2.0°

(1) - Standard voltages shown. Other voltages available on special order.

(2) - Approximate



THE CARLYLE JOHNSON MACHINE COMPANY, L.L.C.

291 Boston Turnpike - P O Box 9546 - Bolton, Connecticut 06043-9546
(860) 643-1531 • FAX (860) 646-2645 • TOLL FREE (888) 629-4867 • www.cjmco.com