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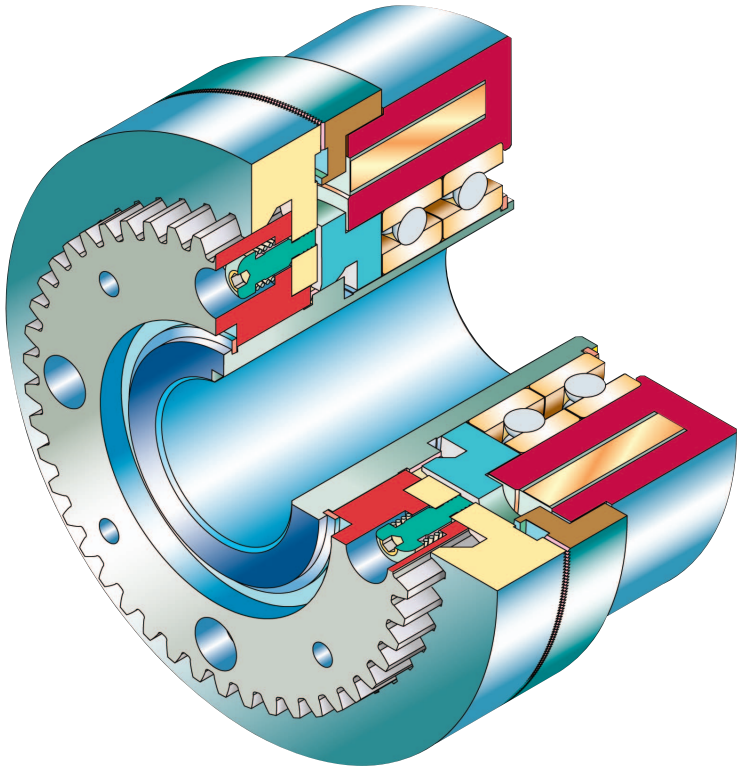
Expert team | Trust guarantee | 100% satisfaction

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Find the *Carlyle Johnson Machine Maxitorq JEB0475* at our website: *Click HERE*

Electric Jaw Clutches and Brakes (JEB)

Highest torque in the smallest space



ADVANTAGES

- Radial flux path design eliminates bearing loading
- Highest torque in smallest space
- Positive tooth drive assures secure engagement with minimum backlash
- Hardened jaws have high-carbon alloy steel teeth for positive tooth drive

OPERATION

- Torque range 5 lb. ft. to 1500 lb. ft.
- Bi-directional operation
- Drag-free neutral, no torque transmitted in the disengaged mode
- Engaged fully by induced magnetic flux

CUSTOMIZATION

- Full range of tooth configurations for your indexing needs
- Available as single or multiple position registration for timed applications
- Available as spring set/electrically released for positioning and holding or electric actuation
- Custom designs and alterations available

MAXITORQ® JEB jaw clutches and brakes are designed to optimize size and space in your application. They are ideally suited for positioning, holding and indexing, as well as situations that require the unit to maintaining positive registration between input and output shaft.

With pins available for single-position engagement, our JEB electric jaw clutches are often used in applications that require exact positioning, including imaging, robotics, printing and labeling.

As with all Carlyle Johnson clutches and brakes, our JEB units can be modified to meet your needs, though we can also custom design a completely new solution for your specific application. Our experienced engineers are ready for your toughest challenges.

MAXITORQ®

CARLYLE JOHNSON

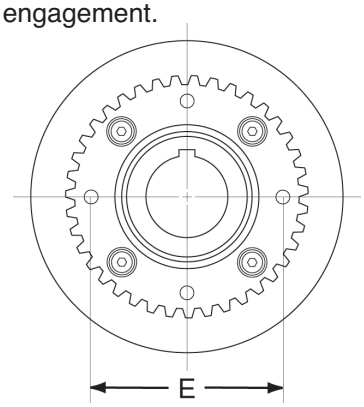
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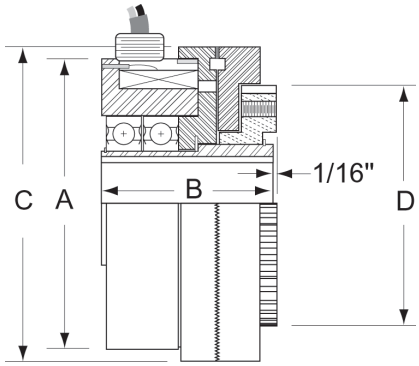
291 Boston Turnpike, Bolton, CT 06043
Main Phone: 860-643-1531 • Fax: 860-646-2645

Features of Model JEB Electric Jaw Clutches & Brakes

MAXITORQ® electric jaw clutches are available with either 24 or 100 volt DC coils as standard equipment, though other voltages are available to meet your needs. Carlyle Johnson stocks coils with voltages ranging 6 to 240 volts DC.

Our JEB model clutches and brakes feature bi-directional operation, meaning operation is not dependent on rotation. Pins are also available with these designs to permit single position engagement.





Model	Coil Diameter* A	Length B	Jaw Diameter C	Number of Screws Required	Screw Size	Pilot Diameter D	Bolt Circle E
JEB0375	3.797	2.563	4.047	3	1/4-20	3.226 or 3.222	2 1/4
JEB0425	4.359	2.750	4.625	3	1/4-20	4.059 or 4.055	3
JEB0475	4.828	3.063	5.188	4	1/4-20	4.059 or 4.055	3 3/16
JEB0625	6.359	3.625	6.750	4	1/2-13	5.975 or 5.970	4 1/2
JEB0800	8.094	4.063	8.500	6	3/8-16	7.375 or 7.370	5 1/2

*Dimensions shown are approximate. Contact engineering for actual diameter.

Model	Static Torque (lb-ft)	Teeth (qty)	Bore Min. (in.)	Bore Max. (in.)	Keyway (in.)	Engagement Speed Max. (RPM)	Operating Speed Max. (RPM)
JEB0375	60	360	3/4	7/8	3/16 x 3/32	100	5000
JEB0425	70	360	1	1 1/8	3/16 x 3/32	100	5000
JEB0475	150	560	1 1/4	1 3/8	1/4 x 1/8	100	5000
JEB0625	300	560	1 3/4	1 7/8	3/8 x 3/16	100	4200
JEB0800	600	360	2	2 1/4	7/16 x 7/32	100	3600

Model	Coil Voltage* (VDC ± 10%)	Coil Power** (watts)	Coil Max. Temp. (°C)	Clutch Inertia (lb-ft/sec^2)	Clutch & Adapter Inertia (lb-ft/sec^2)	Angular Backlash
JEB0375	24 or 100	45	200°	0.0004	0.0011	1.0°
JEB0425	24 or 100	45	200°	0.0009	0.0021	1.0°
JEB0475	24 or 100	62	200°	0.0016	0.0036	1.5°
JEB0625	24 or 100	62	200°	0.0059	0.0123	1.5°
JEB0800	24 or 100	76	200°	0.0175	0.0343	2.0°

*Standard voltages shown. Other voltages available on special order. **Approximate.

All dimensions above shown in inches.



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