

Electro Shear® Application Data Sheet

Request for Quotation

Midwest Brake® is able to provide a quotation of the Electro Shear® brake with a few basic, simple pieces of information.

This standard form is to be filled out. Using this information, torque requirements can be calculated and the proper model will be selected.

Please visit our website to download brochures and application data sheets.

Contact Information:

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Website:

www.midwestbrake.com

Company:		
Address:		
City:	State:	Zip:
Contact:	Title:	
Phone:	Fax:	
E-mail:		

Motor Information:

Motor Manufacturer*:	Motor Model Number:
Motor Horsepower*:	Voltage**: <input type="checkbox"/> 200V <input type="checkbox"/> 230V <input type="checkbox"/> 460V <input type="checkbox"/> 575V
Motor RPM*:	
Motor Frame (Include Letters):	Does Motor Face Have C-Face on Opposite to the Drive End? <input type="checkbox"/> Yes <input type="checkbox"/> No

* Required Information Needed To Calculate Torque Requirement For Brake.

** Voltage Required for Pricing.

If Overhead Crane Application:

Crane Manufacturer:
Brake Location: <input type="checkbox"/> Hoist <input type="checkbox"/> Bridge <input type="checkbox"/> Trolley
Does The Crane Have a Load Brake? <input type="checkbox"/> Yes <input type="checkbox"/> No

Mounting Dimensions

(Non NEMA Standard Applications)

If the brake is not mounted on a NEMA Standard Motor shaft or requires a foot mounted brake or adapter, the following general measurements are required. Please fill out diagrams on pages 16-18 where applicable

Shaft Diameter:
Shaft Keyway:
Length of Shaft:
Mounting Bolt Circle:
Mounting Bolt Size:
Shaft Type: <input type="checkbox"/> Straight <input type="checkbox"/> Stepped <input type="checkbox"/> Tapered <input type="checkbox"/> Spline

Brake Information:

Brake Manufacturer:
Brake Model Number:
Brake Serial Number:
Existing Brake Torque:
Brake Mounting Position: (Required) <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical
Is Brake Mounted on Motor? <input type="checkbox"/> Yes <input type="checkbox"/> No

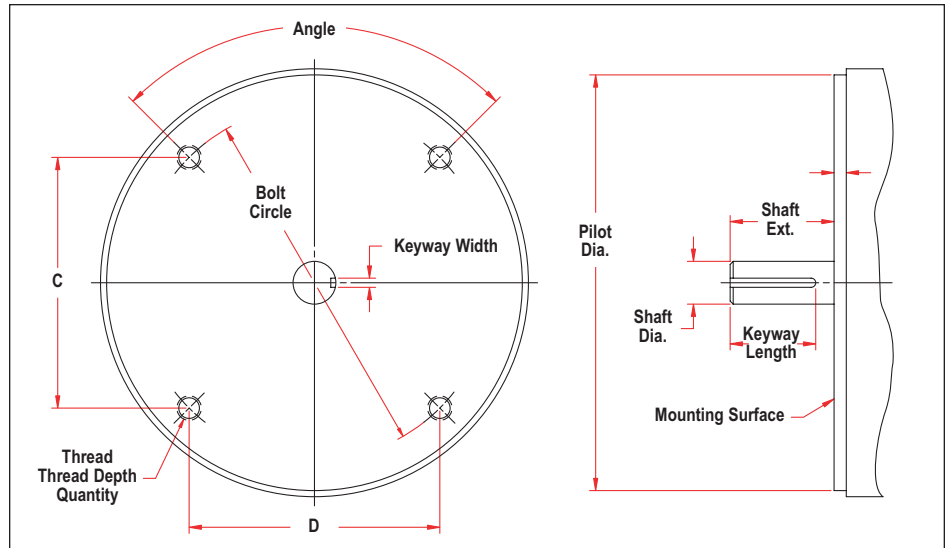
Gearbox Information:

Is Brake Mounted on a Gear Box? <input type="checkbox"/> Yes <input type="checkbox"/> No
Gearbox Manufacturer:
Gearbox Model Number:

Electro Shear® Oil Shear Motor Brakes

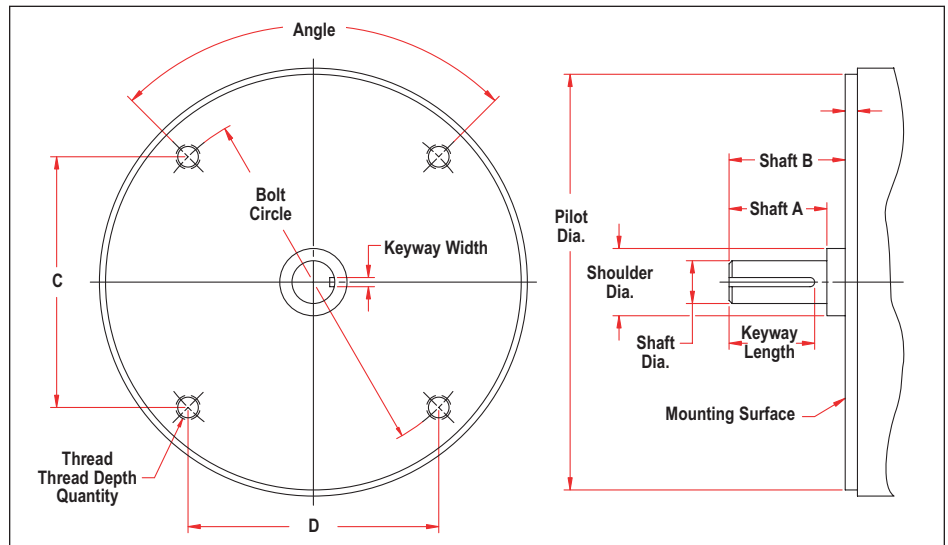
Straight Shaft

Pilot Diameter: _____
 Shaft Diameter: _____
 Shaft Extension: _____
 Keyway Length: _____
 Keyway Width: _____
 Bolt Circle: _____
 Thread: _____
 Thread Depth: _____
 Bolt Quantity: _____
 Angle: _____
 C: _____
 D: _____



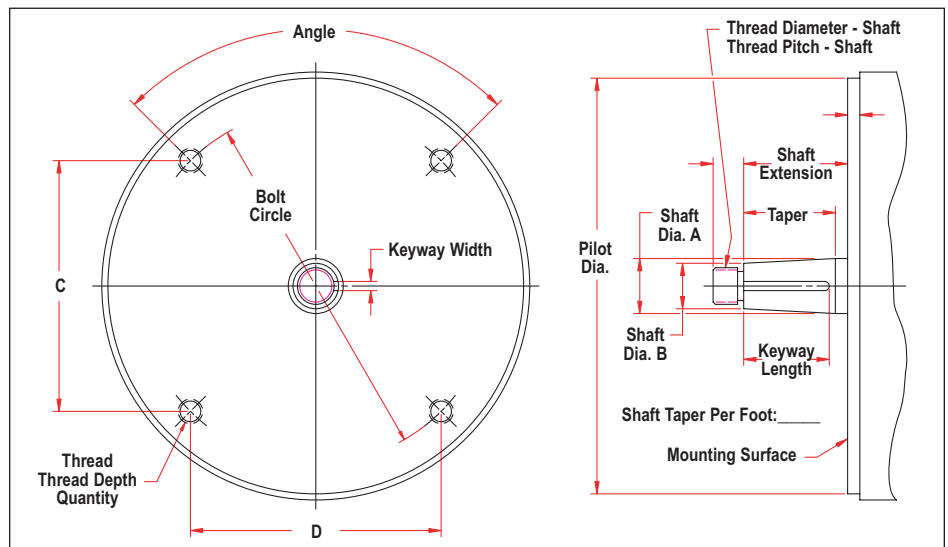
Step Shaft

Pilot Diameter: _____
 Shaft Diameter: _____
 Shoulder Diameter: _____
 Shaft Diameter A: _____
 Shaft Diameter B: _____
 Keyway Length: _____
 Keyway Width: _____
 Bolt Circle: _____
 Thread: _____
 Thread Depth: _____
 Bolt Quantity: _____
 Angle: _____
 C: _____
 D: _____



Tapered Shaft

Pilot Diameter: _____
 Shaft Diameter A: _____
 Shaft Diameter B: _____
 Shaft Extension: _____
 Taper: _____
 Shaft Taper Per Foot: _____
 Keyway Length: _____
 Keyway Width: _____
 Bolt Circle: _____
 Thread: _____
 Thread Depth: _____
 Bolt Quantity: _____
 Angle: _____
 C: _____
 D: _____

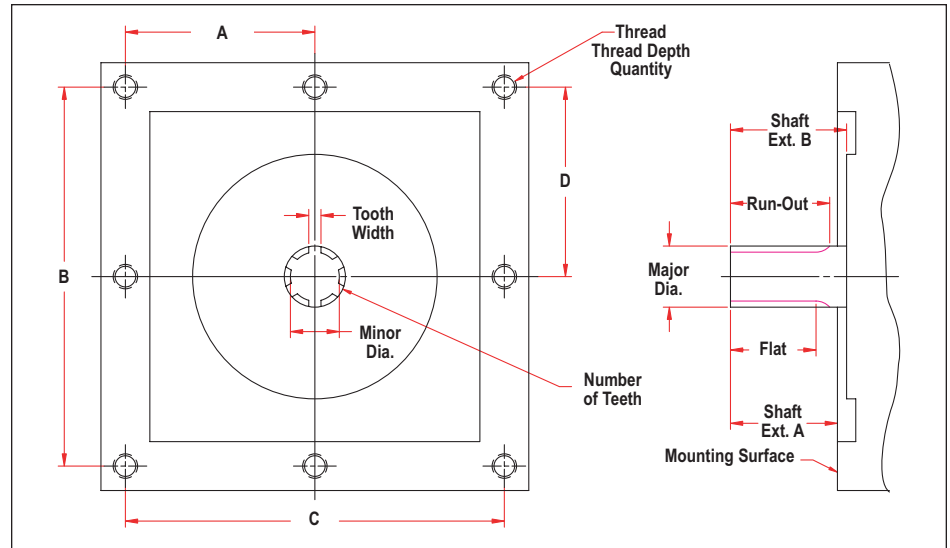


Electro Shear® Oil Shear Motor Brakes

Gear Box - Square Bolt Circle - Standard Shaft

Major Diameter: _____
 Minor Diameter: _____
 Tooth Width: _____
 Number of Teeth: _____
 Run Out: _____
 Flat: _____
 Shaft Extension A: _____
 Shaft Extension B: _____
 A: _____
 B: _____
 C: _____
 D: _____
 Thread: _____
 Thread Depth: _____
 Quantity: _____

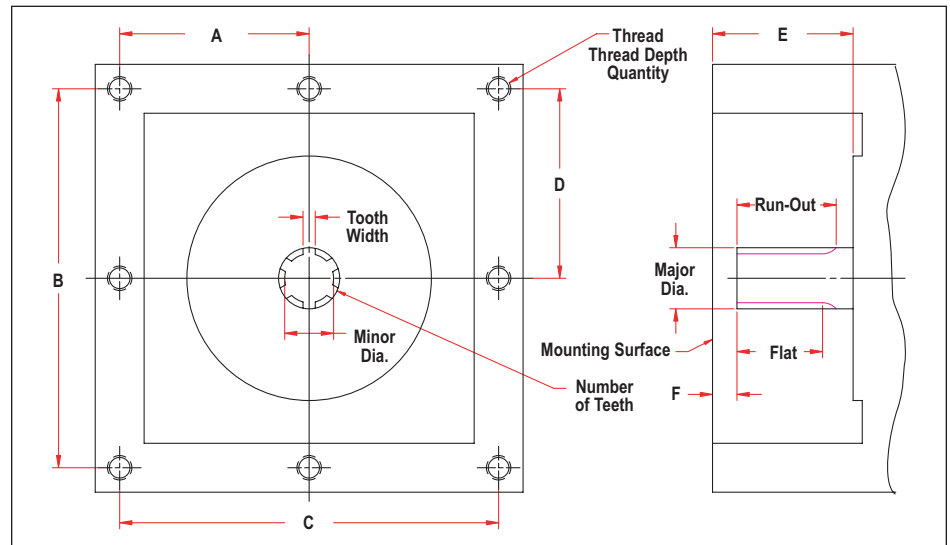
Note: Sample hub required for gear data if spline teeth are not straight sided.



Gear Box - Square Bolt Circle - Recessed Shaft

Major Diameter: _____
 Minor Diameter: _____
 Tooth Width: _____
 Number of Teeth: _____
 Run Out: _____
 Flat: _____
 A: _____
 B: _____
 C: _____
 D: _____
 E: _____
 F: _____

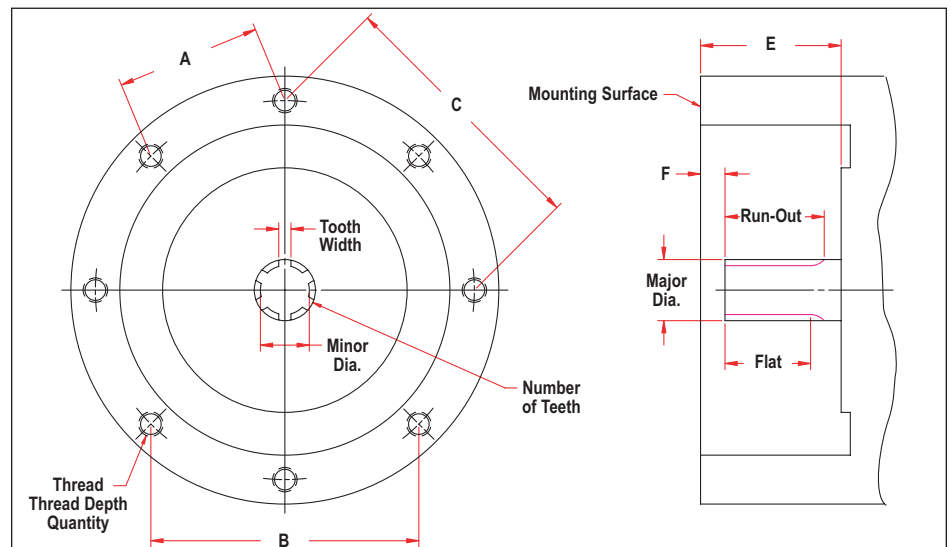
Note: Sample hub required for gear data if spline teeth are not straight sided.



Gear Box - Round Bolt Circle - Standard Shaft

Major Diameter: _____
 Minor Diameter: _____
 Tooth Width: _____
 Number of Teeth: _____
 Run Out: _____
 Flat: _____
 A: _____
 B: _____
 C: _____
 E: _____
 F: _____

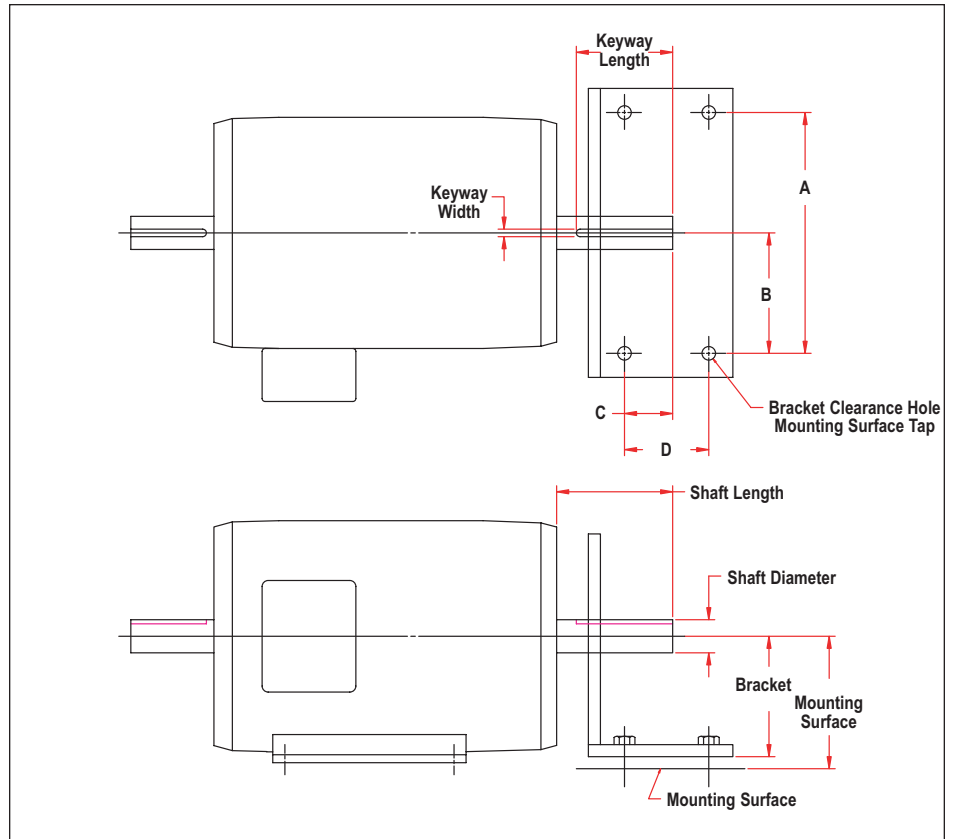
Note: Sample hub required for gear data if spline teeth are not straight sided.



Electro Shear® Oil Shear Motor Brakes

Foot Mounted Bracket - Straight Shaft - Standard L Bracket

Keyway Length _____
 Keyway Width: _____
 Bracket Clearance Hold: _____
 Mounting Surface Tap: _____
 A: _____
 B: _____
 C: _____
 D: _____
 Shaft Diameter: _____
 Shaft Length: _____
 Bracket: _____
 Mounting Surface: _____



Foot Mounted Bracket - Straight Shaft - Standard L Bracket – Extended

Keyway Length _____
 Keyway Width: _____
 Bracket Clearance Hold: _____
 Mounting Surface Tap: _____
 A: _____
 B: _____
 C: _____
 D: _____
 Shaft Diameter: _____
 Shaft Length: _____
 Bracket: _____
 Mounting Surface: _____

