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:
Midwest Brake®
26255 Groesbeck Hwy.
Warren, MI 48089
Phone: 586.775.3000
Fax: 586.775.3040
E-mail: sales@midwestbrake.com
Website: www.midwestbrake.com

Motor Information:

<table>
<thead>
<tr>
<th>Company:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address:</td>
</tr>
<tr>
<td>City: State: Zip:</td>
</tr>
<tr>
<td>Contact: Title:</td>
</tr>
<tr>
<td>Phone: Fax:</td>
</tr>
<tr>
<td>E-mail:</td>
</tr>
</tbody>
</table>

Motor Information:

Motor Manufacturer*: Motor Model Number:

Motor Horsepower*: Voltage**:
- 200V
- 230V
- 460V
- 575V

Motor RPM*:

Motor Frame (Include Letters): Does Motor Face Have C-Face on Opposite to the Drive End?
- Yes
- No

* Required Information Needed To Calculate Torque Requirement For Brake.
** Voltage Required for Pricing.

If Overhead Crane Application:

| Crane Manufacturer: |
| Brake Location: Hoist Bridge Trolley |
| Does The Crane Have a Load Brake? Yes 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:
- Straight
- Stepped
- Tapered
- Spline

Brake Information:

| Brake Manufacturer: |
| Brake Model Number: |
| Brake Serial Number: |

Existing Brake Torque:

Brake Mounting Position: (Required)
- Horizontal
- Vertical

Is Brake Mounted on Motor?
- Yes
- No

Gearbox Information:

| Gearbox Manufacturer: |
| Gearbox Model Number: |

Is Brake Mounted on a Gear Box?
- Yes
- No
### 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:

![Straight Shaft Diagram](image)

**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:

![Step Shaft Diagram](image)

**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:

![Tapered Shaft Diagram](image)
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 Braket
- 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 Braket
- 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: