ADVANTAGES
• Simplicity of design offers high versatility.
• Compact, self-contained.
• Completely assembled - no special tools required for installation or maintenance.
• Disc design and finish offers maximum durability and smooth engagement.

OPERATION
• Can run dry or in oil.
• Can be used with standard MAXITORQ® ring and flange cups.
• Patented separator springs prevent drag abrasion and heating when in neutral.

CUSTOMIZATION
• Available in eight sizes from 2” to 8” in diameter; ¼ to 15 hp at 100 rpm.
• Static torque ranges from 4 to 2,000 lbs. ft.
• Custom designs are available.

MDP model MAXITORQ® Disc Pacs are manufactured to deliver high-performance results in air, hydraulic, electric or manually-operated brakes and clutches. Designed for flexibility in any application, our disc pacs allow you to assemble a brake or clutch to your own specifications. These compact, self-contained units feature patented separator springs that prevent drag abrasion and consequent heating when in neutral, as well as free-floating discs that provide a positive neutral (1% of rated torque) with minimum of torque transmission and no ratcheting.

Our versatile disc pacs can run dry or in oil, and can be used as a multiple disc clutch or brake, an overload release clutch or brake, or a torque-limiting device.
Optimum Clutch And Brake Performance

- MAXITOR® disc separator springs assure a true “floating drag-free” neutral which prevents drag abrasion and consequent heating.
- “Free-floating” discs provide a positive neutral (1% of rated torque) with minimum of torque transmission and no ratcheting.
- Disc design and finish ensure maximum wearability and smooth engagement.
- Compact, self-contained and keys to your shaft.
- All MAXITOR® Disc Pacs are shipped pre-assembled. No special tools are required for installation or maintenance.
- Lugs range from 3 to 12 depending upon torque rating (see Torque/Range charts).
- Economical MAXITOR® standard ring cups and flange cups are available, if desired.
- Can run dry or in oil. For wet applications, operation with Series A transmission fluid is recommended.
- Custom designs available.

Replacement Parts

Inherent in the MAXITOR® design is the ability to rebuild an assembly again and again as parts inevitably wear. When ordering, please specify part number, clutch size, and serial number.

Mechanical Multiple Disc Replacement Parts

- MMS (Size)-115-100 Locking Plates, Bronze Faced
- MMS (Size)-113 Inner Disc, Bronze Faced, Quantity as Required
- MMS (Size)-112 Outer Disc, Steel, Quantity as Required
- MMS (Size)-114 Separator Spring, Quantity as Required
- MMS (Size)-106-300 Internal Flange Cup
- MMS (Size)-106-400 Ring Cup

NOTE: MAXITOR® clutches and brakes as furnished can run dry or in oil. We specifically recommend Series A oils. If extreme pressure additives that would reduce clutch torque are utilized, please contact the factory for recommendations.

Typical Disc Pac Application

MAXITOR® Disc Pac applied as a spring-loaded, adjustable, torque-limiting device.

Torque/Range Charts for Disc Pac Size Selection

These charts can be used as an aid in determining the disc pac size for your clutch or brake application. For precise application information, contact the engineering department at Carlyle Johnson.

Specifications of MAXITOR® Disc Pac Clutches & Brakes

MAXITOR® Disc Pac applied as a spring-loaded, adjustable, torque-limiting device.

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- Custom designs available.

Replacement Parts

Inherent in the MAXITORQ® design is the ability to rebuild an assembly again and again as parts inevitably wear. When ordering, please specify part number, clutch size, and serial number.

Mechanical Multiple Disc Replacement Parts

- MMD (Size)-103
- Inner Disc, Bronze Faced
- Locking Plate, Bronze Faced
- Outer Disc, Bronze Faced
- Ring Cup
- Flange Cup

NOTE: MAXITORQ® clutches and brakes as furnished can run dry or in oil. We specifically recommend Series A oils. If extreme pressure additives that would reduce clutch torque are utilized, please contact the factory for recommendations.

Typical Disc Pac Application

MAXITORQ® Disc Pac applied as a spring-loaded, adjustable, torque-limiting device.

Specifications of MAXITORQ® Disc Pac Clutches & Brakes

Torque/Range Charts for Disc Pac Size Selection

These charts can be used as an aid in determining the disc pac size for your clutch or brake application. For precise application information, contact the engineering department at Carlyle Johnson.

Specifications of MAXITORQ® Disc Pac Clutches & Brakes

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Internal Flange Type Driving Cup

Internal flange driving cups are lower in inertia and smaller in outside diameter than ring type driving cups.

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<th>Drive Cup Number</th>
<th>A</th>
<th>B</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>J*</th>
<th># of Mtg Holes</th>
<th># of Slots</th>
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<td>5/16</td>
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* Flathead screw size

Ring Type Driving Cup

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<th>J*</th>
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<td>4 7/16</td>
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<td>5.015</td>
<td>5.017</td>
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<tr>
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* Cap screw size