

Clutch and Brake Solutions

A E R O S P A C E



SEPAC Stationary Field Tooth Clutch

APPLICATION: *Ammunition Feed System*

Specs: 2.25" dia x 1.625" long, 450 in-lb of torque, 3,500 RPM

- High torque to diameter ratio
- Positive engagement
- Hardened teeth



SEPAC Rotating Field Tooth Clutch

APPLICATION: *Fly-by-Wire Coupling for Jet Fighter Control Stick*

Specs: 2.87" dia x 1.80" long, 720 in-lb of torque

- Positive engagement
- 180 deg rotation
- Low backlash
- Stainless steel splined adapter



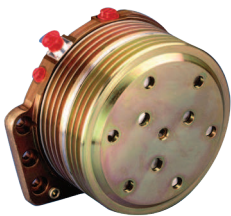
SEPAC Spring Engaged Dual Disc Power Off Brake

APPLICATION: *Control Surface Actuator*

Specs: 2.45" dia x 1.70" long, 66 in-lb of torque

- Lightweight aluminum backplate
- Supports a reverse mount configuration
- High torque to diameter ratio

D E F E N S E



SEPAC Multiple Disc Variable Speed Clutch

APPLICATION: *Engine Cooling System for M113 Family of Vehicles*

Specs: 8.50" dia x 5.50" long, 450 ft-lb of torque, 3,500 RPM

- Oil-cooled
- Variable torque output
- MIL-spec finishes



SEPAC Spring Engaged Multiple Disc Power Off Clutch

APPLICATION: *Electric Turret Drive*

Specs: 3.40" dia x 1.625" long, 200 in-lb of torque

- Unique power off operation
- Interchangeable gear options
- Operates in harsh desert conditions



SEPAC Stationary Field Wall Mounted Tooth Clutch

APPLICATION: *Cannon Ammunition Feeder*

Specs: 2.65" dia x 1.37" long, 420 in-lb of torque

- Operates under high vibration
- Battle tested, mission critical
- Zero defect reliability
- Maintenance free design

I N D U S T R I A L



SEPAC Spring Engaged Brake

APPLICATION: *CNC Lathe*

Specs: 3.36" dia x 1.60" long,
100 in-lb of torque

- Power off design
- Corrosion resistant coatings
- Robust friction disc for long life and increased wear resistance
- Stainless steel hardware



SEPAC Hydraulically Released Spring Engaged Brake

APPLICATION: *Radar Antenna*

Specs: 14.50" dia x 4.00" long,
665 ft-lb of torque

- Spring engaged, hydraulically released caliper type design
- Rated for a maximum pressure of 2,000 PSI
- Brake status sensors



SEPAC Spring Engaged Power Off Tooth Brake

APPLICATION: *Factory Assembly Line*

Specs: 3.44" dia x 2.15" long,
80 ft-lb of torque

- For use dry or in oil
- 1° maximum backlash
- Metric dimensions and fasteners available
- Pilot feature on the magnet body for ease of installation

E N E R G Y



SEPAC Multiple Disc Brake

APPLICATION: *Power Plant Valve/Door Actuator*

Specs: 6.38" dia x 3.55" long,
180 ft-lb of torque

- Extremely high torque to diameter ratio
- For use dry or in oil
- High temperature magnet wire (Class "H" insulation)
- High energy dissipation



SEPAC Stationary Field Tooth Clutch

APPLICATION: *Natural Gas Processing Plant Valve/Pump Actuator*

Specs: 3.20" dia x 1.695" long,
40 ft-lb of torque, 12,000 RPM

- Positive engagement
- Corrosion resistant coatings on teeth
- High speed design

Learn more about **SEPAC**
*Contact Your Clutch
& Brake Specialist*
Toll Free: **1-800-331-3207**



WHO WE ARE:

SEPAC Inc., in Elmira, NY is a custom engineering company and manufacturer of motion control products including electromagnetic clutches and brakes.

We provide innovative solutions of the highest quality and reliability to OEMs, distributors and end users around the world. Our brake and clutch applications range from aerospace and defense to robotics, energy, healthcare, and a wide variety of industrial markets.

Some of our customers include: Moog, General Electric, Honeywell, Boeing, Lockheed Martin, Zoll Medical, BAE, Raytheon, SL-MTI, Northrop Grumman, Hardinge, Eaton, and a variety of distributors.

THE SEPAC MISSION:

To provide the highest standard motion control products and solutions for a broad range of applications, and to consistently meet or exceed our customer expectations.

COMMITMENT TO QUALITY:

SEPAC Inc. is AS9100 and ISO 9001 certified. Our highly engineered and precision manufactured motion control products are consistently designed, manufactured and processed to high quality standards at every level of the business. We believe the development, implementation and continuous improvement of our quality system is the path towards continually meeting or exceeding the exacting requirements and ever-higher standards of our customers.

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