Other solutions available from Ogura

1. Power off brakes to hold or stop in the absence of electrical power
2. Multiple disc and tooth clutches, high torque, can run either dry or in oil
3. Industrial clutches / brakes, single face, quick response, high cycle
4. Mobile equipment clutches for use with gas and diesel engines on outdoor power equipment and engine driven components
5. Superchargers for increased engine performance and reduced fuel consumption
6. Tension control hysteresis and magnetic particle for precise torque control

Ogura has over 7,000 Standard and Custom Electromagnetic Clutch and Brake Designs.

Founded in 1938, Ogura has over 80 years’ experience in the manufacture and design of clutches and brakes. Ogura is currently the world’s largest manufacturer of electromagnetic clutches and brakes producing around 30 million units per year with over 7,000 standard and custom designs available from 14 manufacturing ISO certified facilities throughout the world.

Visit www.ogura-clutch.com to learn more.

Visit our YouTube channel for an extensive library of installation, maintenance, and how-they-work animated videos

https://www.youtube.com/user/oguraindustrial

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www.ogura-clutch.com
Industrial mobilization throughout the world continues to accelerate. Where products are manufactured is not as important as who is manufacturing the products. This is especially true in the field of industrial products. Ogura Clutch has been developing clutch and brake technology for over 80 years and has developed over 7,000 different clutch and brake models and holds a number of clutch and brake patents.

Ogura is driven by the “monozukuri spirit” which means craftsmanship in both design and manufacturing. With our extensive knowledge base, we help our customers turn their ideas into reality.

High Quality - Quality of design and manufacture are Ogura’s highest priorities. Products are set not only to meet, but to also exceed the highest demands of our global customers.

Manufacturing Technology - Ogura currently has 14 worldwide production facilities to meet the global needs of our customers and deliver the best value per manufacturing location.

Research and Development - Product planning with a clear understanding of customer needs and expectations aligned with overall market trends keeps us in the forefront of clutch and brake design.

Permanent Magnet and Powered Hysteresis Clutches/Brakes

Both permanent magnet and powered units do not create wear particles, so they are ideally suited for clean room and medical environments, especially medical packaging. These units can be adjusted to any torque value within their range and can provide constant slip for precise torque control in the most demanding applications.

Ogura Provides Innovative Solutions That Meet Your Challenges

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Permanent Magnet and Powered Hysteresis Clutches and Brakes

Ogura manufactures both permanent magnet and powered hysteresis clutches and brakes. Permanent magnet units are ideal for limiting torque in various drivetrains. Small units are suited for network printers, ATMs and ticket kiosks while larger units are used as a brake to provide smooth tension control to film, foil and wire.

Powered magnetic particle units give extremely fast response and since torque is almost linear to the current/voltage applied, precise tension control can be achieved with a very simple control structure.

Powered pure hysteresis units have a very wide controllable range and are ideally suited for motor test stands and for applying loads on robotic equipment. Since there is no wear from the applied torque, units have extremely long life.

OPL Clutch/Brake

OPC Clutch

HC Series Electromagnetic Hysteresis Clutches

HC Clutch

OPL Permanent-Magnet, Magnetic Particle, Slip Clutches and Drag Brakes

Torque Range: 0.07~3.5 in-lbs / 0.02~0.4 Nm. Designed for continuous slip or overload protection. Torque is produced magnetically, eliminating high breakaway torques that can occur with mechanical devices. They do not produce wear particles – no contamination. Torque is consistent over a given speed range. Units are provided with hollow bores or with stainless steel customized shafts.

OPC Electromagnetic Magnetic Particle Clutch

Torque Range: 4.4~71 in-lbs / 0.5~8 Nm. The magnetic particle clutch is designed for industrial applications requiring fast response time and stable torque. Units can be set for continuous slip which makes them ideal for tensioning applications. Voltage to torque is linear, so output torque can be easily controlled. Units are sealed and do not produce any wear particles.

OPB-N Electromagnetic Magnetic Particle Brake

Torque Range: 0~62 in-lbs / 0~7 Nm. Units can be configured as a clutch or a brake depending upon mounting. Torque is produced magnetically and is consistent over a given speed range. No wear provides extremely long life and no contamination. Each unit has an adjustable torque range that can be set by the user.

PHT Permanent-Magnet Hysteresis Clutch/Brake

Torque Range: 0~62 in-lbs / 0~7 Nm. Units can be configured as a clutch or a brake depending upon mounting. Torque is produced magnetically and is consistent over a given speed range. No wear provides extremely long life and no contamination. Each unit has an adjustable torque range that can be set by the user.

PHT Clutch/Brake

OPB Brake

HB Series Electromagnetic Hysteresis Brakes

Torque Range: 5.4~9.9 in-lbs / 0.03~0.4 Nm. Torque is independent of slip speed and can be controlled by varying the current. Since there is no frictional contact between the magnets, the units have an extremely wide controllable torque range and are ideally suited for load and motor testing machinery.

HB Brake

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Ogura - quality you can trust and depend on

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Magnetic Particle and Hysteresis Clutches/Brakes for Tension and Torque Control

Other solutions available from Ogura

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