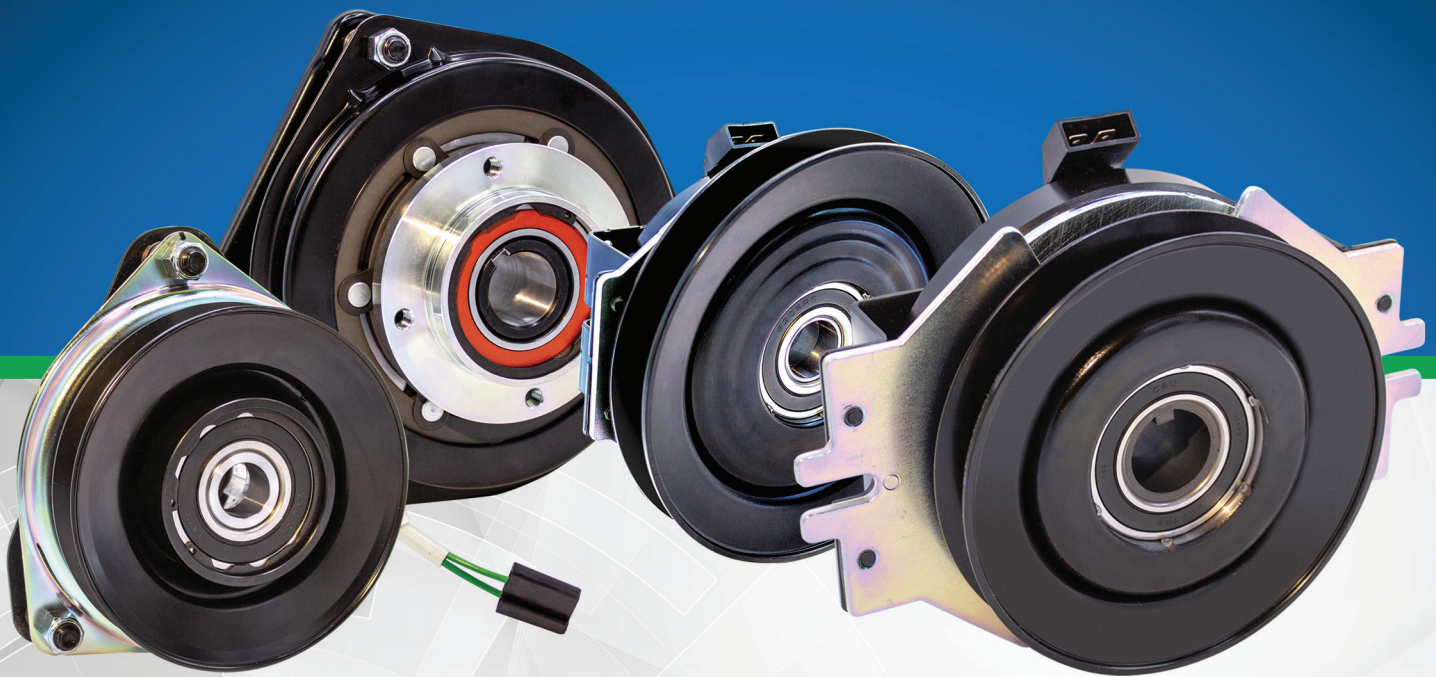




Electromagnetic  
**PTO Clutch Brakes**  
for Outdoor Power Equipment



"What You Need in a Clutch®"

# PTO Clutch Brakes

Ogura Provides  
**Innovative Solutions**  
that Meet your Challenges

## Ogura PTO clutch brakes

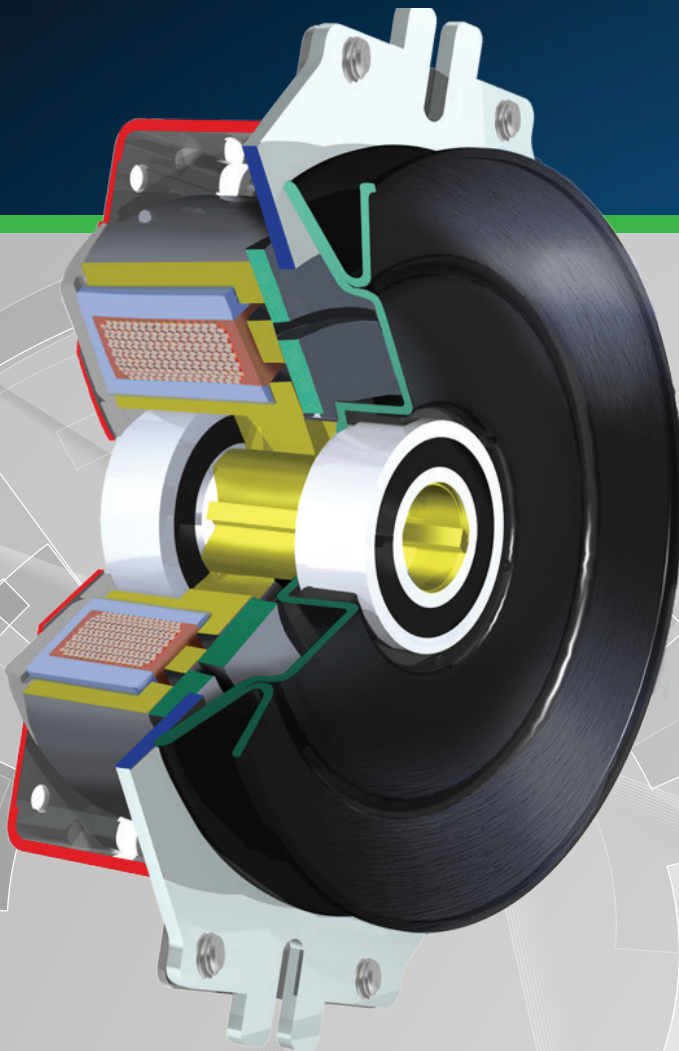
Electric PTO clutches provide a cost effective, reliable means of mower deck and implement control while increasing operator safety. **The latest innovative clutches from Ogura are patented under #US Patent No.: US8,973,727B1.**

Ogura manufactures a wide range of electric PTO clutches that are used in riding mowers, zero turn mowers, and commercial walk-behind mowers. Heavy duty models provide extended life in demanding turf care machines such as estate mowers, commercial zero turn mowers, municipal lawn mowers and other grounds keeping machinery.

Ogura, heavy duty, electromagnetic PTO clutch brakes provide up to double the life of competitive clutches as they can be adjusted for wear. This provides a considerable cost saving and reduced down time, since the clutch can be adjusted in minutes while on the machine with a standard box wrench.

Electric PTO clutches and clutch brakes are also used to remotely engage the cutting wheel in saw mills, stump grinders and log cutters. They are an important element of "operator presence" controls, where the operator can control the implement at a safe distance.

In addition, Ogura PTO clutches are used in trenchers, seeders, top dressers, fertilizer and herbicide spreaders and sprayers. Cost savings and increase profits can be realized through precise application of seed, chemicals and top soil.



*Ogura PTO clutches can be adjusted for wear while still on the machine. This extends the life of the clutch, providing cost savings and reduced down time.*



*Riding, Zero Turn, Commercial Walk-Behind, Estate, Municipal Mowers and Grounds Keeping Machinery*



*Trenchers, Seeders, Top Dressers, Fertilizer and Herbicide Spreaders/Sprayers*



*Stump Grinders, Firewood Processing Equipment*

For detailed specifications for the entire P



Robust, reliable performance for long life applications



Put the  
**Ogura Design Advantage**  
to Work for You

**Solid forged rotor**

A one piece solid forged rotor means no chance of internal parts separation. Our rotors also have an even wall thickness around the coil which gives optimum flux distribution, maximizing torque.

**Lead wire or terminal**

Depending upon model and OEM preference, units can either come with a lead wire, wire protector and terminal, or have a built-in terminal.

**High temperature, longer life grease**

All models include our special long life grease which has shown a significant improvement in life over other standard high temp greases.

**E-coating**

Where possible, all parts in the clutch are e-coated to give maximum corrosion protection.

**High temperature epoxy coil**

To help prevent failure from both vibration and outside contaminants, all coils are sealed in the coil shell with a high temperature epoxy coating.

**Heavy duty pulleys**

All models use a heavy duty roll formed or machined steel pulley. A stronger pulley resists damage due to abusive environments.

**Reduced burnishing time**

Reduced lighter duty units use a coating on the clutch face that significantly reduces burnishing time. Higher torque units come pre burnished to increase out of box torque.

**Soft-start control option**

An optional electric soft start control can be added to produce a softer engagement.



**GENERAL SPECIFICATIONS**

Static Torque Range	90 - 400 lb-ft
Volts/Watts	12/40 - 12/68
Max RPM	3600
Bore	1, 1 <sup>1</sup> / <sub>8</sub> , 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>7</sup> / <sub>16</sub> in
Output	Hub, Pulley
Ref. Pitch Dia.	2.75 - 7.72 in
Weight	9-20 lbs

# Other solutions available from Ogura



**1 Power off brakes**  
to hold or stop in the  
absence of electrical  
power



1

**2 Multiple disc  
and tooth  
clutches**  
high torque,  
can run either  
dry or in oil



4

**4 Mobile equipment clutches**  
for use with gas and diesel  
engines on outdoor power  
equipment and engine driven  
components



2



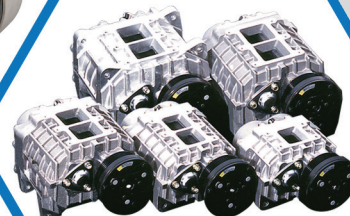
6

**3 Industrial  
clutches / brakes**  
single face  
quick response,  
high cycle



3

**5 Superchargers**  
for increased  
engine  
performance  
and reduced fuel  
consumption



5

**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](http://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>



**OGURA**  
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