Oil States Clutch & Brake Systems
A tradition of excellence for demanding applications.

Oil States is a global supplier of trusted clutch and brake solutions for industrial, oilfield, mining and forestry applications and more. Engineered and tested to the highest standards of performance and reliability, Oil States brake and clutch solutions offer a full range of performance and configurations for virtually any environment.

Our line of pneumatic/hydraulic actuated clutches and brakes includes constricting (tube expands inward) and expanding (tube expands outward) designs in a variety of configurations to suit your application needs. All are designed around our fabric-reinforced inflatable elastomeric tube technology.

Clutch and brake configurations for a wide range of applications

- Agricultural
- Brewing
- Canning
- Chemical manufacturing
- Amusement rides
- Mining

- Draglines
- Grinding mills
- Lumber and woodworking
- Marine equipment
- Metal fabricating and processing
- Materials handling
- Paper
- Petroleum
- Steel milling
- Turbines

Please contact us for individual product catalogues and/or application assistance.

**ELASTA-FLEX® VC Series**
Ideal for severe high torque applications, the ELASTA-FLEX VC brake is a durable, high thermal capacity drum clutch or brake. The unique design of the ventilated friction shoe assembly allows for a high volume of air flow across the entire shoe length, enhancing heat dissipation, preserving the elastomeric actuator tube and extending overall clutch life. Virtually all components used in the VC design are replaceable.

**ELASTA-FLEX® HVC Hydraulic Series**
Ideal for large-scale industrial equipment, Oil States HVC clutches and brakes offer high-torque and exceptional reliability in a hydraulic configuration. With a high-pressure hydraulic tube, rim and friction shoe assembly, HVC solutions provide high torque in a smaller hydraulic package, delivering significant cost savings over pneumatic alternatives.

**ELASTA-FLEX® CB Series**
Reliability, low inertia and simplicity of design make the ELASTA-FLEX CB an excellent choice for high-speed, cyclical clutch operations and low-to-medium torque systems.

Its integral rim/tube construction makes this a highly adaptable solution, and the tube’s design compensates for imperfect alignment in the driving system while delivering a smooth transfer of power.
Caliper Brakes
Economical and versatile, Oil States caliper brakes are available in both hydraulic and pneumatic actuation configurations for a wide range of applications. Caliper brakes are easily serviced with a quick change of brake pads. All caliper brakes offer an optional electronic wear indicator.

ELASTA-FLEX® CM Series
Oil States CM clutch technology is the preferred choice for the marine industry. The CM is a ventilated version of our CB solution, providing greater heat dissipation through the ventilated friction shoe assembly. The CM design permits clutch slippage during vessel maneuvering and cycling engagement.

CM technology is offered both new and remanufactured for efficiency and economy. A new elastomeric element can be molded into the existing rim and new friction shoe assemblies installed.

ELASTA-FLEX® ER Series
ER clutches and brakes feature a centrifugal expander tube that provides shock absorption and transmits the entire torque load, providing long life in high duty cycle environments. ER clutches and brakes are designed for commercial laundry, tire builders, paper converters and other textile-related machinery. The ER element can be used as a shaft coupling, light slip clutch, or tension/holding brake.

CoolForce™ Water Cooled Brakes
Oil States CoolForce™ series of water-cooled brakes provides a rugged, versatile solution for high-horsepower applications demanding high-torque absorption and rapid heat dissipation.

CoolForce water cooled brakes are designed for constant tension applications and are exceptionally well suited for high-inertia stopping. They permit mid-shaft or end-shaft mounting, and their durable construction ensures long, trouble-free service.

Only the Oil States CoolForce brake offers a removable composite water jacket insert to reduce lifecycle costs by simplifying field maintenance and rebuilds. Worn inserts are simply removed and replaced.

ELASTA-FLEX® E, VE & Expander Tubes
Oil States offers a complete line of expander tube sizes and replacement components including springs, shields and friction shoe assemblies. Our tubes are designed for the rigors of high-pressure, high-temperature hydraulic applications up to 700psi.

In addition to standard sizes, we offer specialty tubes for unique applications such as vintage aircraft brakes.

Please contact us for individual product catalogues and/or application assistance.
Clutch & Brake Systems

Parts, Accessories & Rebuild Kits
To complement our clutch and brake technology, we sell a broad selection of accessory components as well as rebuild kits to extend the life of your equipment. We offer long-wearing drums, hubs, and spiders; rotary couplings; pneumatic quick release valves and a variety of hardware components to tailor each solution to your specific application.

Global Distribution & Support
Around the world, our Oil States® distributor network offers the inventory and short lead times you demand to keep your production on track and minimize downtime in the field. We offer full engineering support worldwide to help you quickly and confidently solve your toughest design challenges.
Contact your local Oil States representative to learn more about our full clutch and brake product line.