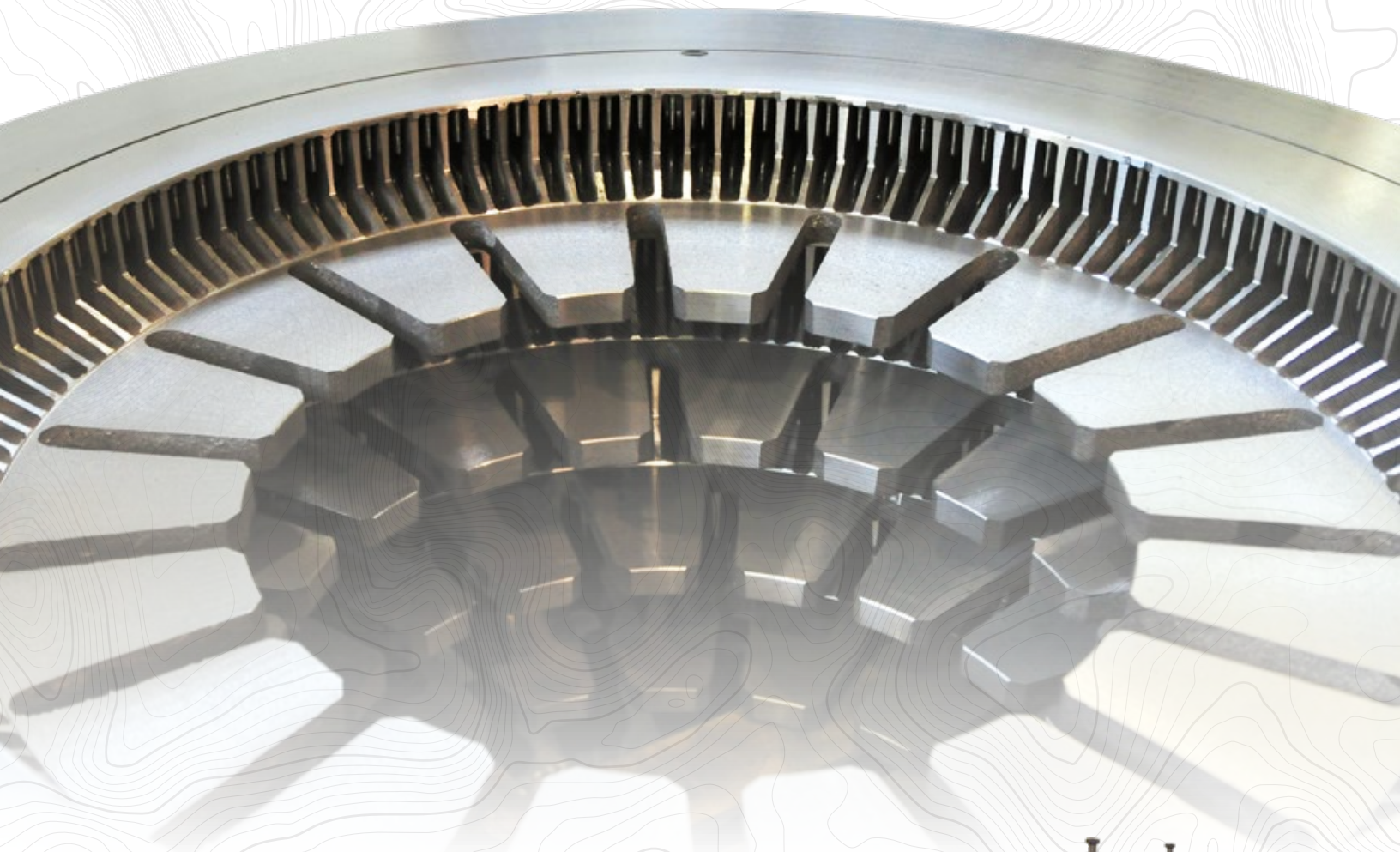




ON LAND



KOBELT

BY TWIN(DISC)



INDUSTRIAL BRAKE SYSTEMS

MEETING YOUR CHALLENGES WITH PROVEN SOLUTIONS

LEADING THE WAY IN DISC BRAKE SOLUTIONS

A PROVEN TRACK RECORD

For over three decades, Kobelt has been manufacturing rugged, durable disc brakes for a wide range of industrial applications including, the oil and gas, mining, manufacturing, materials handling and maritime industries. Designed and built using high-grade materials such as bronze and stainless steel, Kobelt's extensive line of brakes and brake controls provides solid, reliable control for drawworks, conveyors, hoists and winches, as well as propeller shaft brakes for marine vessels and other industrial applications. Our line of air and hydraulic actuated brake systems accommodates a broad range of torque requirements and is configurable to customer specifications.

SAFETY & SUPPORT YOU CAN COUNT ON

Kobelt spring-applied brakes provide safety and reliability for holding or emergency braking applications. Kobelt air or hydraulic-applied service brakes, with their accurate proportional control over the respective load, are well-suited for speed control and tensioning applications. Kobelt also manufactures brakes that integrate both functions, emergency braking and tensioning, into a single brake system.

A SOLUTION FOR EVERY APPLICATION

Our in-house bronze die casting ensures that Kobelt brakes can meet the demands of harsh, corrosive environments, and our broad range of sizes and configurations ensures a solution for your specific application. Components subject to wear are easily accessible for adjustment or replacement in order to minimize downtime and lower maintenance costs. Kobelt's vertically integrated factory enables industry-leading fulfillment times, whether for standard products or custom alterations. Provide us with the specifications of your exact project, and our engineering team will deliver an effective, proven design to meet your industry needs.



OIL & GAS • MINING • MATERIAL HANDLING • MATERIAL PROCESSING • CRANE & HOIST • PAPER & PACKAGING • INDUSTRIAL FANS • HEAVY EQUIPMENT • RENEWABLE ENERGY • OFFSHORE MARINE

INDUSTRIAL BRAKES FOR DEMANDING ENVIRONMENTS



5000 SERIES

These caliper brakes are well-suited for tensioning and emergency control on drawworks for mobile service rigs, as well as for holding and tensioning applications such as uncoilers, paper machines, hoists and winches.



5100 SERIES

A rugged caliper brake designed for high-duty-cycle applications. Easily adapted to various installation envelopes, this brake series is well-suited for emergency braking duty on drawworks, hoists, conveyors, winches and more.



5300 SERIES

A rugged, direct acting brake, ideal for emergency braking duty on drawworks, hoists, conveyors and various heavy-duty applications in mining and material handling, such as rail loaders, slewing cranes, etc.



5400 SERIES

A face-mounted tension brake ideal for braking requirements with a broad torque range, such as metal or paper lines (steel uncoilers, paper converting), forging presses and cable reels; any situation where there is a large roll of material paying out.



5500 SERIES

An electro-hydraulic thruster drum brake is ideal for service braking on hoists. This brake series is available with a redundant actuator for added safety and reliability in remote locations where 24/7 operation is mandatory.

KEY FEATURES & BENEFITS

- Quality bronze & stainless steel construction
- Long-lasting in harsh & corrosive environments for lower cost of ownership
- Industry-leading manufacturing & fulfillment times
- Quick & efficient replacement for parts with little downtime
- Air vented discs for efficient heat dissipation
- Various installation configurations
- Wide range of models, sizes & clamping forces in standard offering
- Custom configuration options

In addition to these off-the-shelf brake series, we are able to custom design and manufacture a brake solution to meet your specific requirements.

VENTILATED BRAKE DISCS

WHETHER FOR CONTROLLED TENSIONING, HOLDING OR E-BRAKE APPLICATION, KOBELT HAS YOU COVERED

Outside of the automotive industry, Kobelt manufactures the broadest range of ventilated brake discs in the world, suitable for applications across all industries. Our standard discs range in thickness from 3/4 inch (18mm) to 4 inch (102mm) and in diameter from 9 inch (229mm) to 60.5 inch (1537mm). Our ventilated brake discs are available in ductile iron or bronze, with balancing if needed, and can be supplied to fit between AGMA standard gear coupling halves or machined to specific mounting configurations. Kobelt can also supply water-cooled discs and solid discs of any size, and can bore and drill any of our discs to suit your specific requirements.

LIGHT DUTY

Tensioning & Braking Applications

3/4" x 2" [19mm x 51mm] Series

- Intended for use with the Kobelt 5019 caliper brake
- Five different sizes available



MEDIUM DUTY

Tensioning & Braking Applications

1-1/4" x 2-1/2" [32mm x 64mm] Series

- Intended for use with the Kobelt 5020 caliper brake
- Seven different sizes available

2" x 4" [50.8mm x 102mm] Series

- Intended for use with the Kobelt 5021, 5022, 5023, 5024 & 5027 caliper brakes
- Eight different sizes available

HEAVY DUTY

Tensioning & Braking Applications

4" x 7" [101.6mm x 178mm] Series

- Intended for use with the Kobelt 5025, 5026 & 5030 caliper brakes
- Five different sizes available

4" x 10" [101.6mm x 254mm] Series

- Intended for use with the Kobelt 5028 & 5029 caliper brakes
- Four different sizes available

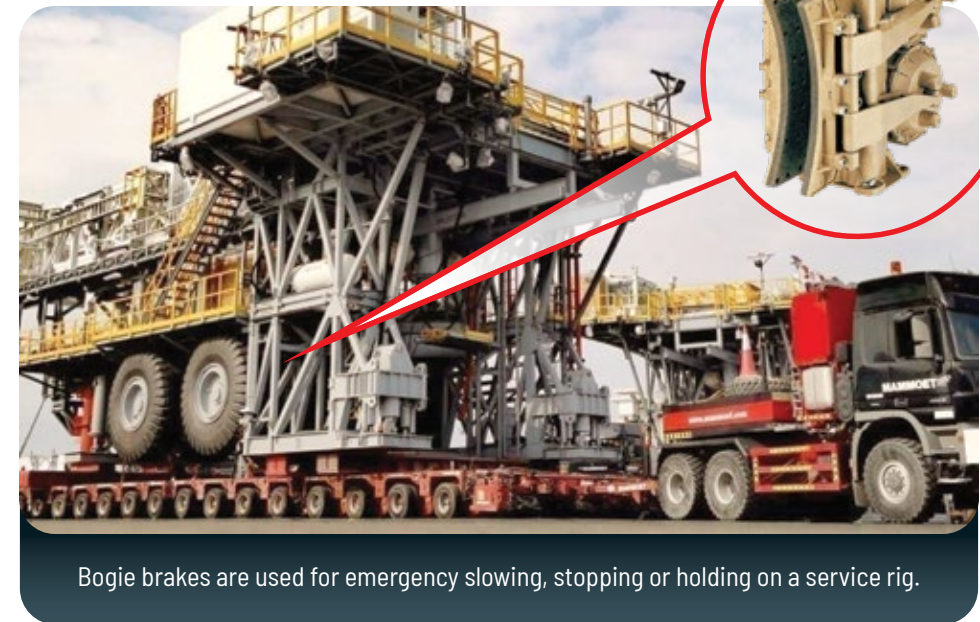
Kobelt ventilated discs & brakes are used on the winches for the US Navy MCMs.

Marine shaft brake & ventilated disc installation.

CUSTOM SOLUTIONS

THAT WILL EXCEED YOUR EXPECTATIONS

In addition to our extensive line of brake and ventilated brake disc series, covering a wide range of industries and applications, Kobelt can design and manufacture highly configurable and/or completely custom products and solutions to meet specific customer requirements. If you don't see the exact product you're looking for, provide us with the specifications for your project, and our engineering team will deliver a proven design that meets your industry needs.



Bogie brakes are used for emergency slowing, stopping or holding on a service rig.



Kobelt brakes add control to drilling rigs and offshore platform-based drawworks, hoists and cranes.



Electro-hydraulic thruster drum brakes to control spillway gates on hydroelectric dams.



Purpose-built Clutch/Brake assemblies for surface and sub-sea renewable energy projects.



Our rugged, direct acting brakes are perfect for mining and material handling.

KOBELT CONTROLS & ACCESSORIES

RELIABILITY, STRENGTH AND DURABILITY YOU CAN TRUST

At Kobelt, we provide our customers with the safest, most trusted solutions for guiding and controlling movement. Whether you are looking for stabilizers, thrusters, caliper brakes, electronic controls or hydraulic steering, our goal is to design reliable, durable products and systems with the highest quality and precision. We are able to deliver off-shelf and customized products and solutions to meet exacting marine and industrial applications.



HYDRAULIC POWER UNITS (HPUs)

Kobelt manufactures custom HPUs as part of a complete system package for brakes, steering, thrusters or other products. Our HPUs can be manufactured in multiple sizes and configurations, depending on what is required to power the system.



PNEUMATIC CONTROLS

Kobelt pneumatic controls, including control heads, control panels, actuators and a wide variety of valves, can be used to actuate brakes, govern propulsion on marine vessels, or control other industrial equipment or machinery.



ELECTRONIC CONTROLS

Kobelt designs and manufactures electronic control systems for both industrial and marine applications. Whether to control or monitor a brake system or a propulsion control package for a marine vessel, Kobelt offers custom hardware and software to meet the specific needs of the application.



HYDRAULIC CYLINDERS

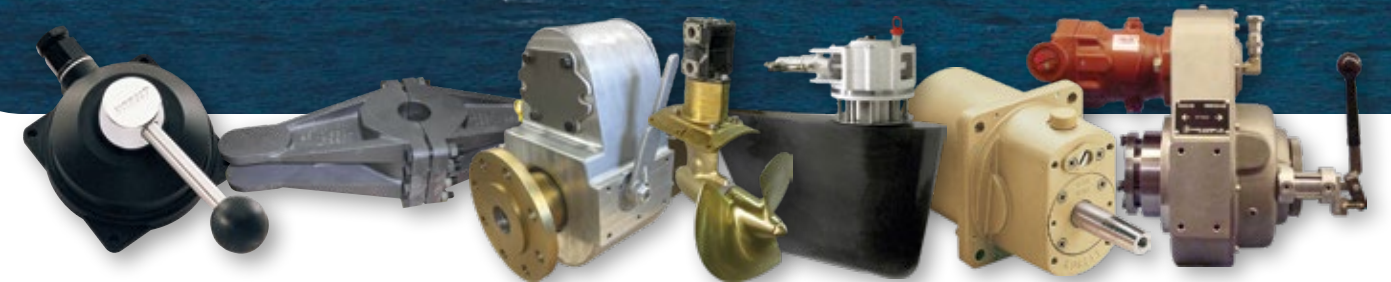
Kobelt cylinders, both balanced and unbalanced, are built for the toughest applications and are a mainstay in the global marine steering market, as well as many industrial applications. Kobelt hydraulic cylinders are Type approved by the main Class societies, such as ABS, DNV, BV and Lloyd's, to name a few.

CONTINUE EXPLORING AT

KOBELT.COM

In addition to our industrial products and systems, Kobelt also offers a full range of marine products that can be found on our website. Our wide variety of marine products that guide and control boat motion includes marine steering, autopilot pumps, marine propulsion controls, bow and stern thrusters, get-home drives, marine stabilizers and marine shaft brakes.

Our qualified representatives will work with you to find the perfect product solution for your exact application. For more information and a one-on-one consultation to meet your needs, please email us at sales@kobelt.com.





THE TWIN DISC FAMILY OF PRODUCTS



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