

Wind Turbine - Hydraulic Braking System



The Continental Disc Corporation rupture disc assembly for Hydraulic Brake Systems provides over pressure relief in an accurate and leak-free safety relief device for the control valve/accumulator system. Our rupture disc assembly protects equipment from damage and down time in the event of overpressure conditions.

Industries/Applications:

- Wind Power Industry
 - Braking Systems
 - Yaw Brake Controls

Materials:

Rupture Disc:

- 316 SS, Inconel®* or Nickel

Holder:

- Brass or 316 SS

Specifications:

- Burst Pressure Available From: 1000 to 3000 psig at 72°F (70 Barg to 200 Barg at 22°C)
- Available Nominal Rupture Disc Size: 3/16" (4.5 mm) to 1" (25mm) diameter

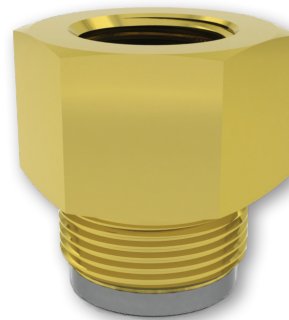
- Available Mounting Thread Interface: 3/8" (9.5 mm) to 1" (M26) diameter threads in most thread classes
- Current Model Number: CD31179, other models available upon request

Industry Standards/Certifications:

- Manufactured under Continental Disc Corporation's ISO 9001 Certified Quality Assurance System

Features:

- Available in a wide range of sizes, materials, and burst pressure ratings for use in numerous protection applications
- Full open design for optimum flow and reliable performance



Model Number: CD31179

- For use in liquid or gas service and systems operating at up to 70% of the Rupture Disc's rated burst pressure
- Single component solid metal tension acting rupture disc

[†] U.S. Department of Energy (2008). *20% Wind Energy by 2030: Increasing Wind Energy's Contribution to U.S. Electricity Supply*

* Inconel® is a registered trademark of the Inco family of companies.



Wind Turbine - Hydraulic Braking System (continued)

Benefit:

- The rupture disc assembly is an efficient leak-free safety relief device.
- The hydraulic braking system can be used to stop the turbine during undesirable wind conditions and maintenance.
- Protects equipment from damage, significantly reducing operating costs and downtime

Continental Disc Corporation provides solutions for even the toughest pressure protection problem. Call us to learn more or visit our website at www.contdisc.com.

Continental Disc Corporation has representatives located throughout the world. Contact the Continental Disc Corporation office nearest you for the authorized representative in your area or visit www.contdisc.com.

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