Segmented wheel mounted disc

For easy maintenance

Our segmented brake disc drastically reduces your operation & maintenance cost by increasing the lifespan of discs and pads, limiting mechanical stress and risk of cracks, and reducing and simplifying replacement time.

CUSTOMER BENEFITS:

Easier maintenance: each segment can be dismounted and handled easily by one operator; No specific tool needed.

Easier supply chain: Casting for a disc segment is much easier than casting for a full disc, this allows for faster supply chain, faster deliveries, then less stocks for operators.

Increased disc and pads lifespan for lower operation cost

Reduced sensitivity to thermo-fatigue and mechanical fatigue for fewer cracks and lower operation cost
To discover everything the **Segmented Wheel Mounted Disc** can do, contact:

**Faiveley Transport**  
3, rue du 19 mars 1962 - 92230 Gennevilliers CEDEX - France  
www.wabtec.com  
email : brakesandcouplers@wabtec.com

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**Wheel mounted disc for locomotive application**  
**Wheel mounted disc for XMU application**

Can be provided in grey cast iron, NCM cast iron, or steel depending on application for the best energy dissipation and total cost of ownership.

**Force transmission**

- Brake force is transmitted by axial pins
- Bolts and spacers are independent from the wheel. They only connect the friction rings to guarantee high stiffness.
- Tangential pins:
  - allows the segments to slide on the pins
  - reduces thermal stress
  - increases the stiffness of the friction ring
  - keeps segments and friction surfaces aligned

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**The disc/wheel fixation design frees up room for expansion of each segment, reducing mechanical stress**