

BREMSKERL

The Specialist
for Brake
and Clutch
Linings



Raising the bar on safety.

Case Study

Learn how Bremskerl improved safety and saved a North American transit agency **millions annually**.

Situation

A major North American transit agency wanted to improve safety through reduced stopping distance along with extending rotor and pad life.

Solution

Bremskerl 2050 formula disc brake pads improved safety through a reduction in stopping distance as well as reduced the number of pad and rotor change-outs providing a cost savings in labor and material purchases.

Stopping Distance

REGULAR SERVICE

- Previous Supplier | 8,400 ft.
- **Bremskerl | 6,800 ft.**
19% faster stopping
without negatively affecting
disc or wheel life

EMERGENCY

- Previous Supplier | 6,400 ft.
- **Bremskerl | 4,800 ft.**
25% faster stopping
without negatively affecting
disc or wheel life

Usage

DISC BRAKE PAD

Pairs per Year

- Previous Supplier | 138,000
- **Bremskerl | 59,000**

ROTOR LIFE

- On average **7x longer life**
using Bremskerl disc brake pads

BRAKE SHOE

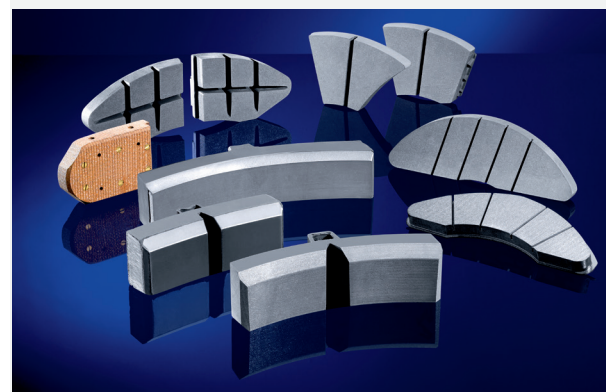
- **20% reduction** in brake shoe usage

Proven to

- Reduce rotor thermal fatigue (stress cracks, hot spotting, etc.)
- Provide superior stopping capability
- Improve wet/dry performance
- Reduce disc brake rotor wear
- Reduce noise levels

Trusted by Transit Agencies Including

- AMTRAK
- Metro North
- WMATA



UIC certified brake pads
for passenger trains
running up to 300km/h



INTERNATIONAL UNION
OF RAILWAYS



Rev. 03



ISO 9001:2015
Certified
www.tuv.com
ID 0091005970

*Data is based on field testing and real life use over multiple years.



Capabilities

For over 90 years our products have made Bremskerl a leading choice worldwide.

Bremskerl manufactures organic, semi-metallic and sintered friction material solutions, custom-formulated to meet each transit authority's needs.

Disc Brake Pads

Brake pads are available in UIC 350/400, KRS® style 350/400, Half Moon, Budd Style and custom configurations.

Multiple formulations which have been uniquely designed to operate on steel, grey iron, ductile iron, cast steel and aluminum composite brake rotors.

Brake Shoes

Brake shoes for both locomotives and coach cars.

Research and Development

Full scale dynamometers test beyond normal operating conditions, including programmable route simulations to ensure the highest level of safety.

Environmentally Conscious

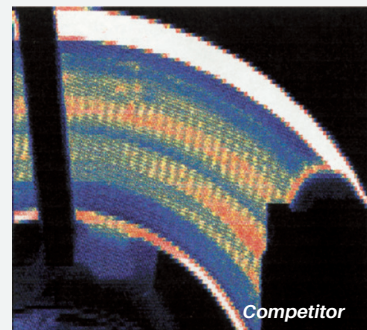
- 100% non-asbestos
- RoHS compliant
- REACH compliant
- Free of heavy metals

High Quality Formulations

Bremskerl disc brake pads are designed to distribute energy across the entire surface of the brake rotor. This is achieved through our unique mixing and manufacturing process.

Why is this important?

Uniformity of material distribution leads to reduction in operating temperature resulting in better braking and increased service life of pad and rotor.



KRS® is a registered trademark of Knorr-Bremse.

BREMSKERL



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