

W134 for the Elevator Market

FRICION MATERIAL FOR ELEVATORS

NEW

Advanced Friction Material Technology

The Warner Electric engineering team drew on its extensive brake technology knowledge, combined with vast elevator application experience, to develop the new W134 friction material.

The new addition to the Warner Electric friction material family is designed to maintain consistent torque during both static braking and dynamic braking over a large range of rotation speeds with no torque overshoot at braking engagement. Consistent torque stability is also maintained in extreme temperatures and other challenging environmental conditions.

The W134 friction material is suitable for use in all elevator technologies, including belt-driven systems where torque stability is a critical concern.

The friction material was put through a rigorous battery of in-house testing to ensure that it's best-in-class performance is well-suited for a wide range of electrified powertrain applications.

Elevator Applications

- Gearless Motors
- Gear Motors

| | Current Lining | New Friction W134 |
|-------------------|--------------------------|-------------------|
| Energy per disc | 57 kJ max | 190 kJ |
| Max speed | 900 rpm | 1300 rpm |
| Max torque < 160% | 100% adjusted brake | No adjustment |
| Holding torque | -10% / -15% | None |
| Climate | 10% impact | None |
| Day + 1 | Stability Recheck Warner | None |

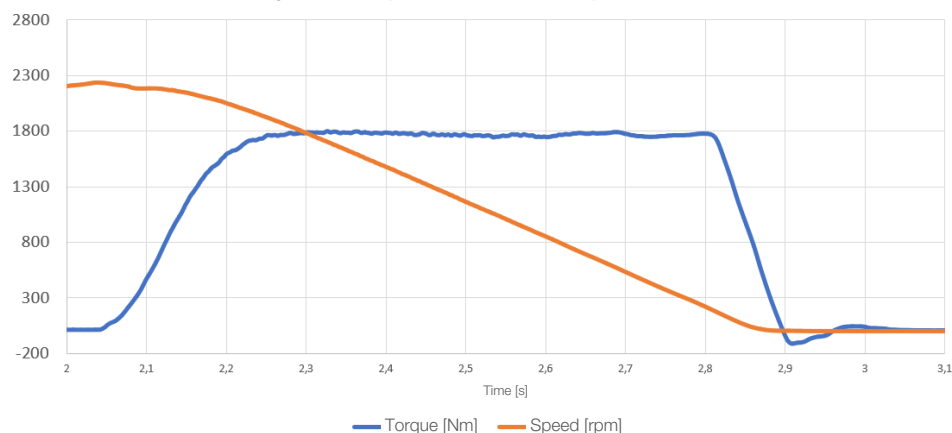
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W134

- Superior torque stability during both static braking and dynamic braking
- Torque stability is maintained in extreme temperatures and other challenging environmental conditions
- Suitable for all elevator technologies, including belt-driven systems where torque stability is critical
- 100% organic-based, non-metallic add-ons
- Excellent energy dissipation

Dynamic torque 1600 Nm - 1300 rpm - 141 kJ



Dynamic braking
141 kJ

