Proven Performance in an Imperfect World.

In a perfect world, every belt drive system would be properly tensioned and aligned to achieve maximum efficiency and belt life.

Well, the world isn’t perfect. That’s why you need Carlisle® belts.

- Rigorous testing* shows that Carlisle belts significantly outlast the competition in a wide range of adverse conditions common to industrial applications.

- In both accelerated flex fatigue and application tests targeting belt break, fabric wear, cracking and slippage, Carlisle raw edge cogged belts and wrapped molded belts both performed far above the competition even when subjected to misalignment, excessive tension, torque load and backside idlers.

- To the end user, extended belt life translates to less downtime and reduced maintenance costs, or simply put, savings.

Of course, the exceptional performance of Carlisle belts is no accident – Performance. By Design.
Performance Belts
Purposefully Built by Timken

Each Carlisle belt is the result of thoughtful design, robust materials, and rugged construction – engineered for performance and efficiency.

- **Extensive OE Experience**
  By designing belts for a broad range of original equipment manufacturers, Timken engineers acquire and apply their expert-level knowledge toward belt design and development.

- **Materials by Design**
  Materials used in belts can vary widely. For example, EPDM (Ethylene Propylene Diene Monomer) is used in many belts, but no two EPDMs are alike. Timken engineers carefully develop and test each component, adding just the right amount of accelerators, modifiers and numerous other elements to find the best compound for each belt to assure it performs well in specific applications.

- **Stronger by Design**
  Whether raw edge or wrapped construction, every Carlisle belt meets stringent specifications established through steadfast testing to meet the demands of even the toughest applications.

- **Engineered for Efficiency**
  Carlisle belts are designed to effectively handle the transfer of power as well as unwanted stresses such as heat, wear and vibration with minimal loss of power. This translates to energy efficiency and savings.

- **Reduced Maintenance & Downtime**
  A belt that keeps running when others won’t will save the end-user time and money.

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*Accelerated life tests were performed under adverse conditions. Belt life will vary depending on operating conditions. Follow all tensioning, alignment and installation guidelines to get maximum life out of your belt.*

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**TIMKEN**

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets high-performance mechanical components, including bearings, gears, chain, belts, couplings and related mechanical power transmission products and services.

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**www.carlislebelts.com**