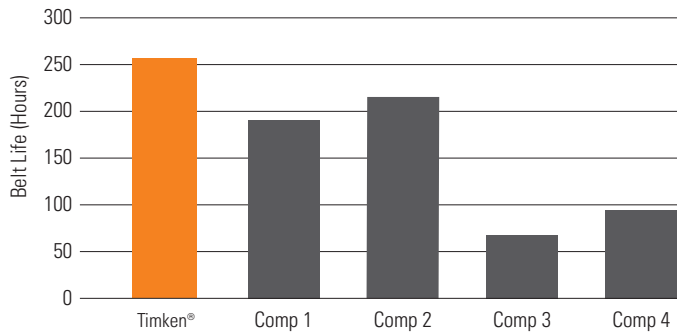


BX75 Accelerated Flex Fatigue Testing



TIMKEN BELTS

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.

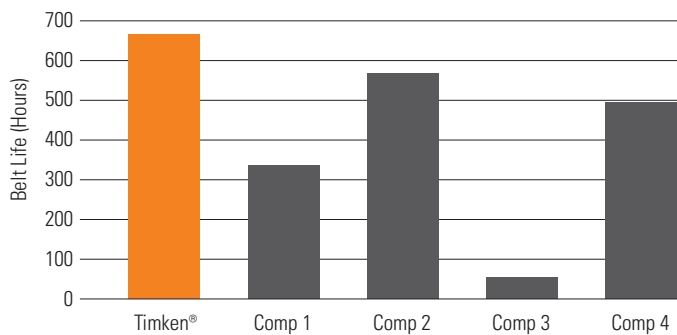
Well, the world isn't perfect. That's why you need Timken® belts.

- Rigorous testing* shows that Timken 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, Timken 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.

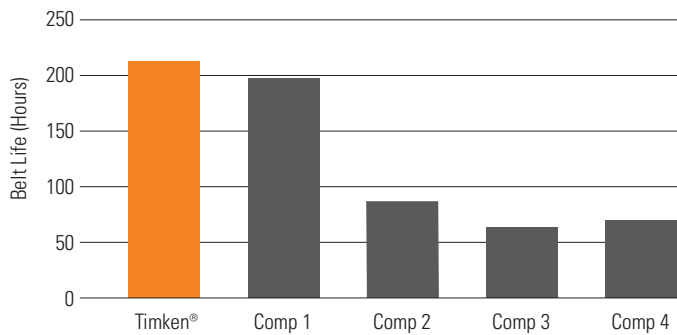
Of course, the exceptional performance of Timken belts is no accident - Performance. By Design.

*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.

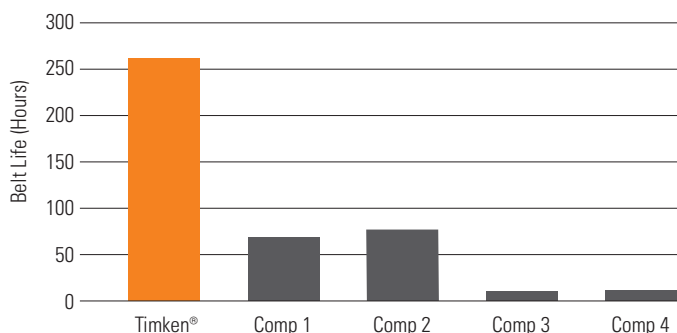
BX75 Accelerated Application Testing



B75 Accelerated Flex Fatigue Testing



B75 Accelerated Application Testing



Performance Driven. Performance Proven.

Each Timken® 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 Belts 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, Ethylene Propylene Diene Monomer (EPDM) is used in many belts, but no two EPDMs are alike. Timken Belts 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

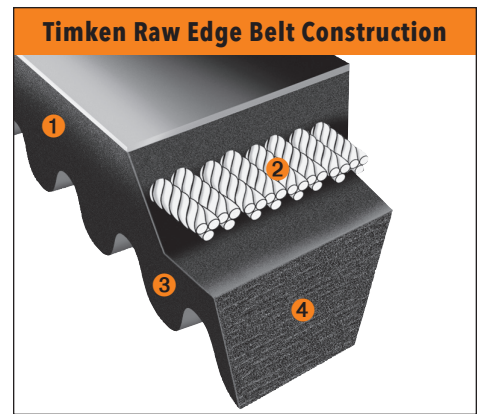
Whether raw edge or wrapped construction, every Timken belt meets stringent specifications established through steadfast testing to meet the demands of even the toughest applications.

■ Engineered for Efficiency

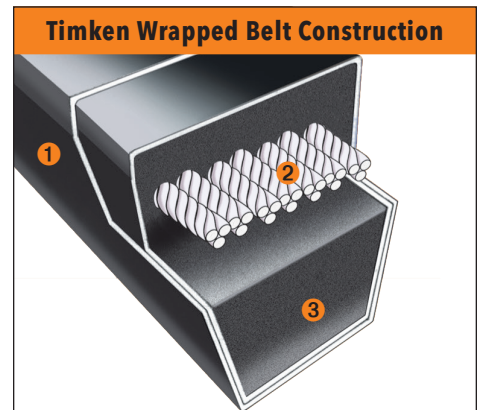
Timken belts are designed to effectively handle the transfer of power as well as unwanted stresses such as heat, wear and vibration with minimal loss of power. This translates to energy efficiency and savings.

■ Reduced Maintenance and Downtime

A belt that keeps running when others won't will save the end-user time and money.



1. Raw edge sidewalls reduce slippage and vibration for increased efficiency and extended component life
2. Synthetic high-modulus cords form the strength member to carry high loads and minimize stretch
3. Precision molded cogs improve belt flexibility and reduce bending stress
4. EPDM construction offers superior flex and load carrying capacity – resistant to heat and cracking



1. Protective fabric cover impregnated with engineered rubber compounds
2. Synthetic high-modulus cords form the strength member to carry high loads and minimize stretch
3. Engineered rubber compounds specially formulated to flex as belt bends around sheaves

TIMKEN BELTS

Timken Belts is part of The Timken Company's growing portfolio of engineered bearings and power transmission products. A manufacturer of premium performance power transmission belts, Timken Belts' associates and products help keep industry in motion and the world more productive.

www.TimkenBelts.com