

# ENGINEERED COG-BELT CONSTRUCTION

Improved performance by design.



## Performance Driven. Performance Proven.

Designed for demanding applications, the Timken® Power-Wedge® Cog-Belt® and Gold-Ribbon® Cog-Belt® are made of EPDM and feature large, round bottom cogs. These high efficiency belts are engineered to reduce downtime, save energy and are proudly made in the USA.

- High Flex Cog Design
- High Efficiency
- Long Belt Life



# HIGH EFFICIENCY MOLDED COGS

You can easily see the difference in today's Timken® cog-belt compared to a standard notched belt. The large round molded cogs make the belt more flexible as well as more aggressive which translates into longer life and optimum performance.

## High Efficiency Molded Cogs

- High-flex cog design improves belt flex, reduces bending stress
- Improved wedging, less slip
- More tolerant of low tensions, more energy savings
- Improved heat dissipation, results in longer belt life

## Performance Proven

The Power-Wedge® Cog-Belt® and Gold-Ribbon® Cog-Belt® are specially designed to reduce downtime and increase performance when compared to a standard notched belt.

- Smooth running
- Reduced vibration for extended component life
- Cog profile reduces bending stress
- Improved flexibility
- Improved performance on small diameter pulleys
- Improved horsepower capacity

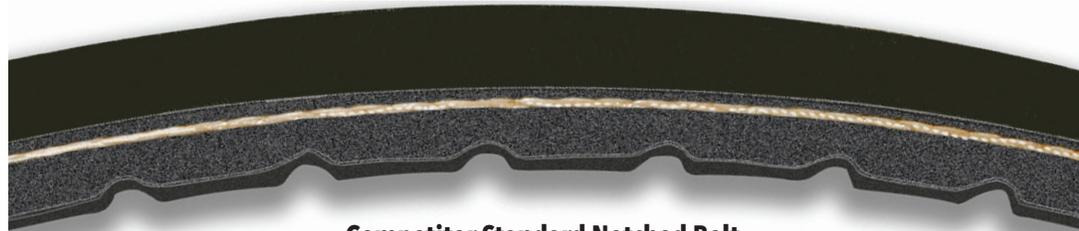
## EPDM Construction

Ethylene Propylene Diene Monomer (EPDM) is a synthetic rubber with outstanding properties.

- Durable
- Oil and heat resistant
- Static conductive
- Resistant to hardening and glazing
- Broad operating temperature range (-50°F to +250°F)



Timken Belts High Efficiency Molded Cog-Belt



Competitor Standard Notched Belt



### 1 Precision Molded Round Cogs

Improve belt flex and reduce bending stress – generating less heat, assuring longer life

### 2 Raw Edge Sidewalls

Produce a higher coefficient of friction. Grip the pulley tighter to reduce slippage. Reduce vibration for extended component life

### 3 High-Modulus Cords

Carry high horsepower loads with minimum stretch – improve belt stability

### 4 EPDM Construction

Offers superior flex and load carrying capacity – resistant to cracking and stretch

**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](http://www.TimkenBelts.com)