

# Gold-Ribbon® Cog-Belt®

Heavy Duty V-Belts



## A New Gold Standard

The industry's best belt just got better!

The unique construction of the Carlisle Gold-Ribbon® Cog-Belt® by Timken combines the superior flexing of precision molded cogs with the tenacious gripping power of raw edge sidewalls to provide higher energy efficiency, increased power ratings and longer belt life. On top of all this, the Gold-Ribbon Cog-Belt is now made of EPDM (Ethylene Propylene Diene Monomer), a synthetic rubber with outstanding properties.

### EPDM is:

- Durable
- Oil and heat resistant
- Static conductive
- Resistant to hardening and glazing

### The EPDM Gold-Ribbon Cog-Belt is specially designed for increased performance:

- Broader operating temperature range (-50°F to +250°F)
- Smoother running
- Belt side walls reduce vibration for extended component life
- New cog profile reduces bending stress
- Improved flexibility for increased performance on small diameter pulleys

### The Carlisle EPDM Gold-Ribbon Cog-Belt is:

- Made in the USA
- Energy efficient
- Built to Chek Mate® belt tolerances for a matched set
- Backed by our "Ironclad Guarantee"

# Gold-Ribbon® Cog-Belt®

**A new gold standard! The Gold-Ribbon® Cog-Belt® sets the benchmark for classical v-belt performance — now made of EPDM (Ethylene Propylene Diene Monomer). Reduce downtime and save energy with the efficient Gold-Ribbon® Cog-Belt® — the industry's best just got better!**

The Gold-Ribbon® Cog-Belt® is more efficient than ordinary v-belts. Extensive laboratory and field tests have proven that our Gold-Ribbon Cog-Belt is more than 95% efficient on the same drives that normally operate at 93% efficiency using wrapped v-belts.

The secret to the energy saving power of the Gold-Ribbon Cog-Belt is in its unique design. Ordinary v-belts have a wrapped fabric cover. The Gold-Ribbon Cog-Belt features raw edge sidewalls and precision molded cogs. This combination permits the cog-belt to run cooler and maintain a better grip on the pulley accounting for greater operating efficiency and longer life.

## Performance and savings in one package.

The higher horsepower capacity and longer life of a Gold-Ribbon Cog-Belt reduce maintenance intervals and downtime.

Conventional v-belts deteriorate to a nominal efficiency of 93%. The Gold-Ribbon Cog-Belt by Timken maintains a 95% efficiency rating, resulting in significant savings.

Proper belt tensioning and alignment are also important for energy efficiency and drive life. Consult the "Industrial V-Belt Drives Service Manual" for helpful tips on proper installation and maintenance of belt drives.

Download the helpful PowerMiser energy conservation tool at: [www.carlislebelts.com/powermiser](http://www.carlislebelts.com/powermiser) to calculate the energy savings you'll enjoy when using Carlisle belts by Timken.

**That's Money in the Bank!**

# 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 and related mechanical power transmission products and services.

**Stronger. By Design.**

Gold-Ribbon Cog-Belt Drive Example = Energy Savings Payback			
Driver: 40 HP/1200 RPM Driven: 600 RPM Motor Efficiency: 0.91 Electric Rate: \$0.15/Kwh Drive Operation: 7,200 hours per year Application: Exhaust Fan		Wrapped Belt	Gold-Ribbon Cog-Belt
	<b>Annual Drive Energy Cost</b>	<b>\$17,707</b>	<b>\$16,910</b>
	Annual Drive Savings		<b>\$797</b>
	Belt Drive Premium		<b>\$51</b>
	Payback (Months)		<b>.77</b>

## The Energy Saver.

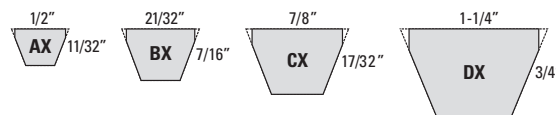
You work hard to get the most from your kilowatt dollars. Premium energy efficient motors and high efficiency air moving equipment are all part of your game plan to reduce energy costs. But, what about the power transmission system connecting your driver and driven equipment?

Saving energy on your air moving drive systems is as easy:

- Remove the old v-belts from the drive
- Install a Gold-Ribbon Cog-Belt matched set
- Use existing pulleys since the new belts will fit right into your drives without changing pulleys!

## More reasons to switch to the Carlisle Gold-Ribbon Cog-Belt:

- Specially formulated EPDM withstands extreme heat, dirt, grease, chemicals and environmental conditions
- Our Gold-Ribbon Cog-Belt transmits up to 30% more horsepower than conventional belts utilizing the same drive space
- Reduces heat build-up or wear problems even under adverse operating conditions such as reverse bends, backside idlers and constant starts and stops



[www.carlislebelts.com](http://www.carlislebelts.com)