



FREQUENTLY ASKED QUESTIONS

Where are Carlisle belts by Timken made?

Almost all Carlisle belts are proudly made at Timken Belts plants located in Springfield, Missouri and Ft. Scott, Kansas – in the heart of the USA. We are an American company committed to American manufacturing and standards. A very small percentage of Carlisle belts are outsourced to provide a broader product offering. An icon system has been introduced in our catalog and on our website to identify each product that is made in the USA.



What is the normal shelf life for a belt?

With proper storage, normal shelf life is seven years. The quality of a Carlisle belt is not considered to change significantly within seven years when stored properly under normal conditions. Normal conditions can be defined as temperature below 85°F and relative humidity of 70% or less with no exposure to direct sunlight. Beyond seven years, assuming normal storage, a decrease in service life of approximately 10% per year can be expected. For belts not stored under “normal” conditions, the actual reduction in shelf life is difficult to measure due to lack of precise data and number of variables involved. When belts are stored under abnormal conditions, conservatism is recommended in estimating shelf life.

How do I know when my Carlisle belt was made?

All Carlisle belts have a 4 digit number to identify when they were manufactured. The first 2 numbers indicate the week the belt was produced and the last 2 numbers identify the year. For example, 2716 means the belt was manufactured during the 27th week of 2016.

What is the difference between anti-static and static dissipating?

These terms have the same meaning. Anti-static means that a static charge will not build up on the belts. Static Dissipating means that when static starts to build up on the belt, it is able to carry it away. Under certain conditions of temperature and humidity, a belt drive may generate static electricity. Belts intended for operation in a potentially dangerous atmosphere can be constructed with a relatively low electrical resistance characteristic. It has become common practice to specify and refer to such belts as “static conductive,” “static dissipating,” or “anti-static.” Most Carlisle v-belts are static dissipating.

What is the horsepower rating of a belt?

It depends on the pulley sizes, rpm, and overall drive parameters. You can calculate the HP rating of specific Carlisle belts using Drive Engineer.

Are you ISO certified?

Yes. Timken Belts manufacturing plants are certified as compliant with the International Standard ISO 9001.

Do Carlisle belts meet CID A-A-52160A?

No. This US military spec has a -40°F test requirement and our material does not meet that requirement.

Is there a recommended maximum speed for pulleys?

6,500 feet per minute is the maximum recommended rim speed for standard pulleys on an industrial belt drive. Anything over that requires ductile iron or steel (special order) and needs to be balanced accordingly.

What is the difference between Panther Plus and Panther belts?

When we introduced our new Panther XT belt, we changed the name of Panther Plus to Panther. The part numbers and the belt remain the same. Panther belts are made in the USA of the same materials and specifications. Panther belts are designed for superior performance in HTS®, PowerGrip® GT®2 and RPP® sprockets. Available in 8M, 14M and 20M pitch from 19" to 195".

Panther XT belts are a powerful alternative to chain or a drop-in replacement for polyurethane belts. Panther XT belts are engineered to run quietly and efficiently in the harshest environments using Martin MPC sprockets or Poly Chain® GT® 2 sprockets

NOTE: HTS® is a registered trademark of Martin Sprocket & Gear, Inc. PowerGrip®, Poly Chain® and GT® are registered trademarks of Gates Corporation

Please explain the part number for Panther belts.

The Panther part number is the length, followed by the pitch and top width. For example, 3600-8MPT-30 has a 3600mm pitch length, 8mm pitch, PT stands for Panther and 30 is the top width in mm.

The Panther XT part number is the tooth pitch followed by pitch length and width. For example, 14MXT-994-20 has a 14mm tooth pitch, XT = PantherXT construction, a pitch length of 994 millimeters and a width of 20 millimeters.

What is the temperature rating for a Panther XT belt?

The temperature range for PantherXT is -40° to +248°F.