



RELIABILITY IN EVERY REVOLUTION

TECH TIPS

Storage of V-Belts

Storage of power transmissions belts is of interest to users, distributors, as well as manufacturers. Practice has shown that premature failure can very often be traced to faulty storage or maintenance. To prevent this, we recommend that you observe the following maintenance instructions:



UV Light

When your storing belts on shelves or racking using a saddle, always keep them away from windows and door openings letting in sunlight. UV damage is very critical to rubber belts. Also keep in mind that you have UV light given off by interior lighting.

The original container with full UV blocking ability is the ideal way to store your belts to prevent UV degradation.

Proper Storage

Proper storage should be dry and dust free, and away from chemical.

When storing belts in containers on a shelf, it is important that the belts are not deformed in the box or pinched. It is also important to keep an eye on belts that are stored on a rack using a saddle for deformation. Storing belts on the floor is never an ideal place.



Temperature and Humidity

The temperature should be below 85° F. For every 18° F above, your storage life is reduced by one-half. Example: if the temps rise above 85° F for one hour, you will lose 30 minutes of belt life.

Shelf Life

The maximum shelf life of a belt is 7 years in a perfect environment. After this point, you may start seeing a degradation on the internal rubber. After this timeframe, the belt may still run at good performance, or the belt could come apart very quickly and not meet proper service life.



Ozone

In order to counteract the effects of ozone, storage rooms must not contain any appliances that generate ozone. This also includes combustion gases and vapors as this could lead to the formation of ozone by photochemical processes.



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The following guide provided by the Association for Rubber Products Manufacturers (ARPM) should be followed for optimum conditions:

| Belt Cross Section | Belt Length | Number of Coils | Number of Loops |
|-------------------------|----------------|-----------------|-----------------|
| A, AA, 3V, and B | Under 60.0 | 1 | |
| | 60.0 to 120.0 | 1 | 3 |
| | 121.0 to 180.0 | 2 | 5 |
| | 181.0 and up | 3 | 7 |
| BB, C, and 5V | Under 75.0 | None | 1 |
| | 75.0 to 144.0 | 1 | 3 |
| | 145.0 to 240.0 | 2 | 5 |
| | 241.0 and up | 3 | 7 |
| D | Under 120.0 | None | 1 |
| | 120.0 to 240.0 | 1 | 3 |
| | 241.0 to 330.0 | 2 | 5 |
| | 331.0 to 420.0 | 3 | 7 |
| | 421.0 and up | 4 | 9 |
| E and 8V | Under 180.0 | None | 1 |
| | 180.0 to 270.0 | 1 | 3 |
| | 271.0 to 390.0 | 2 | 5 |
| | 391.0 to 480.0 | 3 | 7 |
| | 481.0 and up | 4 | 9 |