FAQ Frequently Asked Questions

POWERTWIST DRIVE

What is PowerTwist Drive?

PowerTwist Drive is an improved version of Powertwist that does not require re-tensioning. There is no need to go back and take links out after initial installation. The belt color is red. PowerTwist Drive is the recommended link belt for all power transmission applications.



What is the difference between the original PowerTwist and PowerTwist Drive?

PowerTwist Drive is a “fit and forget” product that does not need to be re-tensioned. The original PowerTwist required re-tensioning as part of the installation procedure.

Is the installation method different?

Fundamentally PowerTwist Drive is installed in the same way as original PowerTwist. However, belt length measurement may differ slightly. Force deflection data charts are included in the installation instructions to ensure proper tension.

Does PowerTwist Drive have new item numbers?

No. PowerTwist Drive has replaced original PowerTwist in our product line and, therefore, item numbers remain the same.

Can PowerTwist Drive be used to replace existing PowerTwist?

Yes. PowerTwist Drive is intended to replace existing PowerTwist in all power transmission applications.

Can I mix original PowerTwist with PowerTwist Drive?

Yes. However, if the products are mixed you will need to follow the original installation instructions. In that case you will not get the “fit and forget” benefits of PowerTwist Drive. For multi belt drives it is not recommended to mix product since it is critical that all belts have the same length and tension

I’m a current user of PowerTwist for power transmission. What product do you recommend I use?

PowerTwist Drive is always recommended for power transmission applications.

What material is this belt made from?

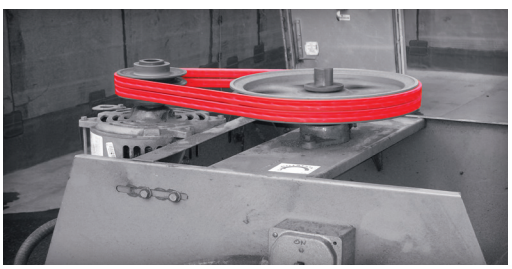
Individual links are made from custom polyurethane elastomers reinforced with multiple plies of polyester fabric.

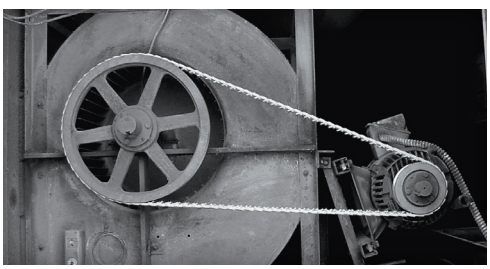
Is PowerTwist heat- and cold-resistant? What are the maximum and minimum temperatures?

PowerTwist operates with no loss in performance at extreme temperatures ranging from -40˚F to 240˚F (-40˚C to 116˚C).

Is PowerTwist resistant to chemicals, water, and grease?

PowerTwist is unaffected by oil, grease, water, and many common industrial and agricultural chemicals.







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Won't PowerTwist create more vibration and noise when running?

PowerTwist does not have the continuous tension cords found in conventional endless belts. As a result, transmitted vibration in the drive system is reduced by 50% or more. Consequently, system noise is reduced and, as a bonus, bearing life extended.

Does PowerTwist have the same cross section dimensions as RVBs? Does it ride higher in the pulley?

PowerTwist profiles are designed to fit industry standard pulleys. It does ride higher than a standard RVB.

Does PowerTwist fit into my existing pulleys? Will it wear out (damage) my pulleys?

PowerTwist drops right in to existing pulleys, with no change in set up. When installed and tensioned correctly, it will not wear out standard steel or cast iron pulleys any faster than a RVB.

How do the hp ratings compare to RVB?

PowerTwist power ratings are comparable to standard RVBs.

What are the maximum rpms PowerTwist can run at? What are the recommended rpms?

The recommended rpms are fully dependent on the pulley diameter. The linear speed capability of the belt is 5,000 ft/min (24.5m/s).

Why does PowerTwist Drive cost more than a rubber V belt?

PowerTwist Drive is a premium, value-added product that ultimately saves you money through no re-tensioning, fewer belt replacements, faster installation, minimized maintenance, and reduced inventory. Need proof? There are a number of success stories available on our website.

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