

**PowerWist Plus**<sup>®</sup>  
V-BELTS

By **Fenner Drives**

The **Permanent Upgrade**  
from Rubber V-Belts



# Inventory Management

Having the right V-belt on hand can save you time and money when you're out on a job. But you'd almost need a truckload of belts to cover all the possibilities you'll encounter. Until PowerTwist Plus, that is. With PowerTwist Plus, you'll always have the right V-belt. Just determine the length you need, twist, and interlock the links by hand. You can roll it right on the drive like a bicycle chain. No tools required! Our belts have the same cross section dimensions and horsepower ratings as rubber V-belts, so they can easily be installed on existing pulleys with no changes in set-up. Red PowerTwist Plus V-Belts are a permanent replacement, combining extremely high strength with low stretch. So get with the contractors in the know and eliminate your V-belt headaches today — install PowerTwist Plus.

## Available from Grainger

Length (ft.)	Belt Type	Top Width (In.)	Item No.
5	A/4L	1/2	6PTY2
6	B/5L	5/8	6PTY3
25	3L	3/8	6PTY4
25	A/4L	1/2	6PTY5
25	B/5L	5/8	6PTY6
25	C	7/8	6PTY7
100	3L	3/8	6PTY8
100	A/4L	1/2	6PTY9
100	B/5L	5/8	6PTZ0
100	C	7/8	6PTZ1

# High Performance Composite Technology



## Real-life Application

An air force base has over 200 air conditioning units using more than 130 different belt lengths.

## Issue

At any one time there were over 1,700 spare belts on site. This inventory was costly, difficult to manage and correct replacement belts always difficult to locate.

## Recommendation

Grainger offers PowerTwist Plus as a permanent replacement V-belt that can be made to any length and installed in minutes, with no tools required! After converting to PowerTwist Plus HPC V-Belts, the maintenance team now carries packs of the red belt 24/7. Drives are now serviced quickly without wasting time returning to the belt crib to pick up specific belt sizes. Inventory was reduced to just a few boxes of 3L, A/4L and B/5L sections.

## Reduce V-belt inventory... Any Belt, Any Time

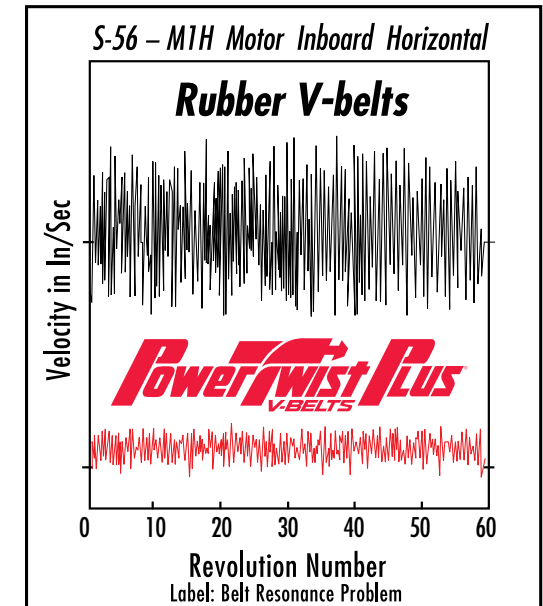
- Can be made to any length by hand in seconds, eliminating the need to stock different length V-belts.
- Same cross-section dimensions as standard rubber V-belts; can be installed on existing pulleys with no changes in set-up.
- Guaranteed on the job V-belt availability.
- Permanent replacement... not a temporary fix!
- Same horsepower ratings as classical rubber V-belts.
- PowerTwist Plus also compensates for misalignment far more than conventional rubber V-belts.

## Increase productivity with "Zero Downtime" maintenance

- Make it up to the desired length with just a twist of the wrist and roll it right on the drive. No need to waste time dismantling drive components.
- No more windshield time; you'll always have the right V-belt on hand.

## Reduce costs associated with rubber V-belts

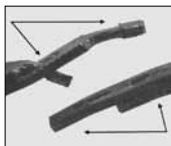
- Will last up to 15 times longer than conventional rubber V-belts in the most hostile conditions resulting in fewer replacements, less downtime and reduced maintenance costs.
- Link-style construction dampens transmitted motor vibrations, extending the life of bearings and reducing noise levels (see chart above).
- Unaffected by extreme temperatures ranging from -40°F to +240°F (-40°C to +116°C), water, steam, oil, grease, and common industrial chemicals and solvents.
- High resistance to abrasion and shock loads.



Belts are easily made up to the required length, by hand, in seconds and then rolled on to the drive just like a bicycle chain. Simply fit the belt into the groove of the smaller pulley, then turn the larger pulley slowly to roll the belt onto it.

## IMPORTANT

Turn Belt Tab Side Out to Ensure Easy Disassembly and Assembly.



## DISASSEMBLY



1. Hold belt upside down. Bend back as far as possible; hold with one hand. Twist one tab 90° parallel with slot.



2. Pull end of link over tab.



3. Rotate belt end with tab 90°.



4. Pull belt end through two links.

## ASSEMBLY



1. Hold belt with tabs pointing outward.



2. Place end tab through two links at once.



3. Flex belt farther and insert second tab through end link by twisting tab with thumb.



4. Ensure tab returns to position across belt. Reverse belt so tabs run inside.

*For detailed installation instructions, please visit [www.powertwistplus.com](http://www.powertwistplus.com).*

AVAILABLE THROUGH

# GRAINGER®

FOR THE ONES WHO GET IT DONE

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