



HY-T WEDGE™



Part No: 5V1400
 5V .62" Top Width – Narrow Profile
 1400 140.0" Nominal Outside Length
 Envelope Uncogged Construction Shown

A NARROWER CROSS SECTION AND STRONGER CONSTRUCTION REDUCES DRIVE COSTS

The savings start in the basic wedge design of the Hy-T Wedge belt. It has a narrower cross section than standard V-belts so it distributes stresses more uniformly to deliver more consistent, more reliable power transmission.

A narrower cross section means the belts are smaller and weigh less. Smaller belts allow for the use of smaller and lighter sheaves resulting in a more efficient drive.

The savings continue through the higher horsepower capacity provided by Goodyear Hy-T V-belt construction. Vytacord tension members, treated with Goodyear's 3-T process, provide strength and dimensional stability. Higher horsepower capacity is also provided through a tough Wingprene, fiber-reinforced cushion, adding to belt strength.

Hy-T Wedge is so strong that small sheave diameters aren't a problem. It's often possible to achieve a required horsepower with fewer Hy-T Wedge belts than with standard V-belts reducing sheave size, sheave costs, and belt costs even more.

Since less power is required to run the smaller, lighter drives, more power gets to the load. Therefore, you may be able to downsize drive motors and/or increase drive efficiency for even more savings.

MATCHMAKER PERFORMANCE

Hy-T Wedge belts eliminate mismatch problems as each Matchmaker belt in a single length code is identical in size and performance to every other Hy-T Wedge belt in that size, no matter when or where it was produced.

APPLICATIONS

Narrow profile belts for compact, high horsepower drives and high shock loading on short centers and small diameters. For designing compact, heavy-duty drives where space limitation is a factor.

KEY FEATURES & BENEFITS

- Narrow profile provides savings through efficiency.
- Greater horsepower than the classical belt.
- Strong Vytacord™ (polyester) tensile members.
- Highgrade Wingprene™ compound.
- Oil, heat, ozone, and abrasion resistant.
- Available in raw-edge construction with cogs or envelope construction.
- Matchmaker® to eliminate mismatch.
- Static conductive.

WEDGE OR ENVELOPE CONSTRUCTIONS PROVIDE OPTIMUM PERFORMANCE

Hy-T Wedge belts are available in a raw-edge construction with cogs for increased flexibility and heat dissipation or envelope construction for drives where pulsation, shock loads, high tension, and long centers are involved.

Hy-T Wedge Cogged belts are high horsepower belt constructions that are identified with a 3VX and 5VX prefix and are available in lengths up to 200". The cogged construction provides the high flexibility required for short center distances. The cogs also provide a larger surface area to dissipate heat and prolong belt life. Improved material properties and advanced construction technology results in an average horsepower increase of 30% over standard "Classical" V-belt and wedge belts.

Hy-T Wedge Envelope belts are identified with a 3V, 5V, or 8V prefix and are recommended for drives where pulsation, shock loads, high tension, and long centers are involved. It features a continuous V-section that is protected by a wide angle, synthetic fabric impregnated with high-quality Goodyear Wingprene rubber. This unique envelope achieves the high strength Hy-T Wedge belts need to withstand high loading forces. It also provides the torsional rigidity required in long center drives delivering the traction needed for accurate tracking and precision performance.

V-BELT