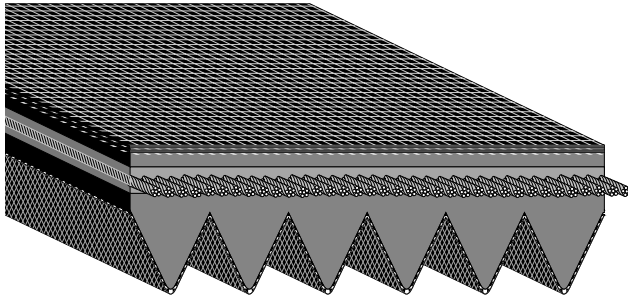




POLY-V®



Part No: 180J6
 18.0" Nominal Outside Length
 J J Section Poly-V
 6 6 Ribs

ONE BELT THAT CAN DO THE WORK OF MANY

The Poly-V belt is a single, endless belt with longitudinal V-shaped ribs that mate perfectly with the V-grooves in the sheaves. It combines the convenience of a thin, one-piece flat belt with the strong gripping traction of multiple V-belts to make the Poly-V belt far better than either for many applications.

ONE CONTINUOUS TENSION MEMBER FOR MATCHLESS PERFORMANCE

To distribute the drive load evenly across the full width of the sheave, the Poly-V belt is built as a single unit with a completely supported, uninterrupted tension member. There is no matching problem. No separate belts to turn over, grab, slip, or interfere with each other.

The thin cross section profile allows use of smaller pulleys than standard V-belts, and Poly-V belts handle speed ratios of 40:1.

With all this capacity, the Poly-V belt tracks properly without special guides, flanges, crowns, or deep grooves. And it resists seating in the grooves, so speed ratios remain more consistent and output speed remains more uniform.

MORE POWER IN LESS SPACE

Continuous engagement with the sheave driving surface gives you greater power capacity per inch of width. In addition, wasted space between separate V-belts is eliminated and converted into narrower, shallower grooves. These provide substantially greater contact area for stronger and more uniform traction.

APPLICATIONS

For small sheave compact designs requiring limited vibration. Ideal for high-speed ratio drives with short center distances.

- Exercise Equipment
- Medical Equipment
- Farm Equipment
- Automobiles
- Power Equipment
- Machine Tools

KEY FEATURES & BENEFITS

- Multiple V-ribbed profile provides friction and wedge advantages.
- High-grade Wingprene™ compounding.
- Strong Vytacord™ tensile member.
- Milled J & L cross sections, molded M cross section.
- Oil, heat, ozone, and abrasion resistant.
- Static conductive.

BANDED

LONGER BELT AND SHEAVE LIFE

Complete support of the tension member, combined with full and uniform engagement with the sheave grooves, eliminates differential driving and equalizes belt stresses. That, in turn, minimizes belt stretch and leads to significantly longer flex life.

Even distribution of stress on the belt also reduces differential loading and wear on sheaves. It's not unusual for Poly-V belt sheaves to last significantly longer than standard V-belt sheaves and to experience lower maintenance requirements during this longer life.

IMPROVE DRIVE DESIGN WHILE YOU REDUCE DRIVE COST

The combination of high-power capacity and low-profile design means the Poly-V drive can improve the drive design while lowering drive costs.

Poly-V belts allow narrower mounting clearances, need less center distance adjustment, and require less take-up for tensioning. Additionally, they allow the use of sheaves that are narrower in width and smaller in diameter without sacrificing power capacity. Smaller, narrower sheaves mean a reduction in weight so more of the drive gets to the load for increased efficiency.