

Polyflex® JB™

Polyflex® JB™ is synonymous with high power density in small spaces. Developed by Gates and produced to patented manufacturing processes, Polyflex® JB™ belts provide more load-carrying capacity at higher speeds to small precision multiple V-belt drives. This results in significant cost savings and improved design freedom. Recommended for use on bench type milling machines, lathe drives, woodworking and metalworking machine spindle drives, computer peripheral equipment, small blowers, etc.

Identification Durable marking indicating type and dimension.

Construction

- Joined belt construction improves stability.
- Ribs relieve bending stress on small pulleys and provide lateral rigidity.
- 60° angle provides more undercord support to the tensile section and distributes the load more evenly.
- Small cross-section meets special application needs such as high shaft speeds, small drive package size and smooth running requirements.
- High modulus polyurethane compound with a high friction coefficient. The precise casting method eliminates overlaps and layers.
- Excellent adhesion of tensile cords and polyurethane compound leads to high fatigue resistance and long belt life.
- Extra toughness. The polyurethane compound resists fatigue, wear and ozone.

Advantages

- Long belt life on small pulleys and compact drives.
- Greater shaft speeds, in excess of 10000 rpm.
- High performance and smooth running for precision applications.
- Cost savings and design freedom.
- Avoids vibrations when subjected to shock loads.