

Cross section of Mitsubishi Polymax

Ribbed-top

Material: Polyurethane elastomer
 Features: Excellent flexibility, ensures uniform tension member [cord] alignment

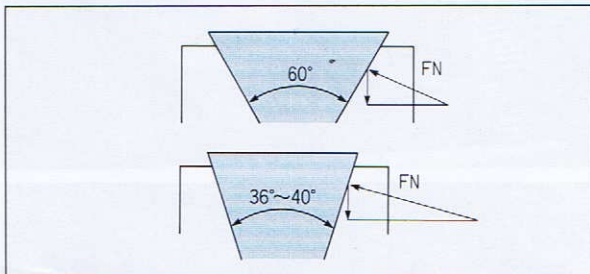
Tension member [cord]

Material: Specially treated polyester cord
 Features: Resists stretching and bending fatigue

Compression Rubber

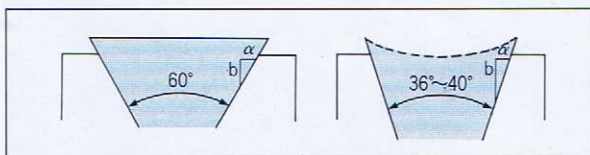
Material: Polyurethane elastomer
 Features: A large coefficient of friction provides high transmission efficiency. Large compression modulus resists the heavy load. And excellent wear resistance limits stretching.

Advantage of the 60° cross-sectional angle



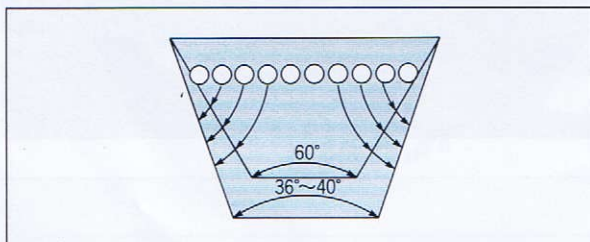
Comparison of the vertical force (FN) on side walls between the 60° angle pulley groove and the 36°~40° angle pulley groove.

- An extremely low vertical pressure (FN) between the belt and the pulley side walls reduces wear on the sides of the belt.



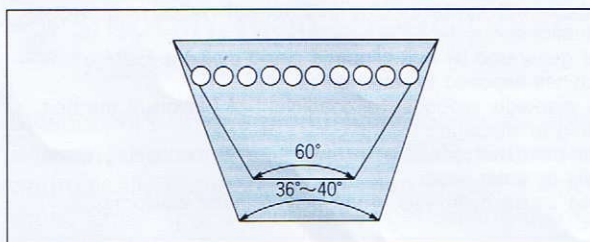
Comparison of belt dishing between the 60° angle pulley groove and the 36°~40° angle pulley groove.

- Belt dishing is rather small when the belt side walls wear under heavy loading.



Increase in tension member support in 60° groove.

- Tension member alignment is stable and provides considerable force supporting property.



Comparison of 60° and 36° to 40° belt materials.

- Compared with conventional V-types, Polymax belts undergo less deformation of compression material.
- The ribbed-top offers superior flexibility and a better cooling effect during operation.