



14 POLYFLEX

POLYURETHANE V-BELT

This compact and strong belt with nominal top width from 3mm to 11mm transmits more power and allows high speed ratios. Polyflex is suited for extremely small diameter sprockets and very compact drives with high rotational speeds. Ideal for use on machines and machine tools requiring high performance and smooth operation in limited space such as bench type milling machines, lathe drives, woodworking and metalworking machine spindle drives, computer peripheral equipment, small blowers, etc.

CONSTRUCTION

- High modulus, new formulated polyurethane compound, superior to conventional belt materials, offers high fatigue and wear resistance and a high friction coefficient. It also improves adhesion to the tensile cords.
- Polyurethane is extremely resistant to heat, chemicals and oil.
- Uniformity throughout Polyflex is ensured because the polyurethane compound is not layered but cast without overlaps for smooth running and low vibration.
- Ribbed top provides lateral rigidity without increasing bending stresses.
- The 60° angle results in better support of the tensile section, and provides a more even load distribution.

BENEFITS

- Design freedom and space savings which are not possible with conventional rubber construction belts.
- Low maintenance cost as belt needs less re-tensioning.
- Long belt life on compact drives.
- Available on demand as Matched sets. Contact Customer Service for details.
- Temperature range: -54 °C up to +85 °C.

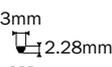
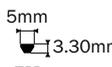
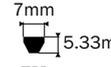
ORDERING CODE

5M1250
 5M - Section
 1250 - Effective length (mm)
NOTE: For correct design and tensioning of the belt please use Gates Design Power software, available on www.gates.com

PLEASE REFER TO P. 147 FOR SIZE LIST - ONLINE

SECTIONS AND NOMINAL DIMENSIONS

Section	Width (mm)	Height (mm)	Length range (effective length - mm)
3M	3	2.28	180 - 750
5M	5	3.30	280 - 1850
7M	7	5.33	500 - 2300
11M	11	6.85	710 - 2300

 3mm 3M	 5mm 5M	 7mm 7M	 11mm 11M
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