

## Powergrip® HTD® 3M & 5M

Because of an optimised load distribution, the HTD® curvilineartooth form guarantees high power transmission in low speed and high torque applications. PowerGrip® HTD® 3M and 5M belts are suitable for domestic appliances, office machines, electric hand tools and for applications in the processing and chemical industry.

### Identification

Three part number on the back of the belt indicating belt length, pitch and width.

### Construction

- Special curvilinear tooth design improves stress distribution and allows higher overall loading.
- Precisely formed and accurately spaced elastomeric teeth ensure smooth engagement with the pulley grooves.
- Durable elastomeric backing protects the belt against environmental pollution as well as frictional wear if power is transmitted from the back of the belt.
- Tough nylon facing protects the tooth surface.
- Fibreglass tensile cords.
- Compact design.

### Advantages

- 3M and 5M PowerGrip® HTD® are designed for speeds up to 20000 rpm and capacities up to 10 kW.
- The optimised tooth form permits high loads to be transmitted, even in small pitches.
- Because of close manufacturing tolerances fixed centre distances are practicable. Furthermore, high flexibility allows the use of very small pulleys (outside diameter of 8.79 mm).
- Peripheral speed up to 80 m/s.
- Efficiencies up to 99%.
- Compact design.
- 25% improved tooth jump resistance.
- Long service life and maintenance-free.