POWERGRIP® HTD® 3M & 5M

RUBBER SYNCHRONOUS BELT WITH HTD® TOOTH PROFILE

The HTD® curvilinear tooth form ensures an optimised load distribution leading to 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.

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.
- Fibre glass tensile cords.
- Belts conform to ISO13050:2014.
- Standard widths of 6, 9, 15 mm (3M); 9, 15, 25 mm (5M). Other widths available on request.

BENEFITS

- 3M and 5M PowerGrip® HTD® are designed for speeds up to 20,000 rpm and capacities up to 10kW.
- The optimized tooth form permits high loads to be transmitted, even in small pitches.
- Peripheral speed up to 80 m/s.
- Efficiencies up to 99%.
- Compact design.
- 25% improved tooth jump resistance vs. PowerGrip®.
- Long service life and maintenance-free.
- Temperature range: -30°C to + 100°C.
- Perfect fit on HTD® profile pulleys

Ordering code
280-5M-15 280 - Pitch length (mm) 5M - Pitch 5 mm 15 - Belt width (mm) NOTE: For correct design and tensioning of the belt please use Gates DesignFlex® Pro™ Drive design software, available on www.Gates.com/Europe.
Identification Durable white marking indicating the belt type and belt dimensions.

Sections and nominal dimensions

Section	Pitch (mm)	Tooth height (mm)	Belt height (mm)	Length range (pitch length - mm)
3M	3.0	1.2	2.4	105 - 1926
5M	5.0	2.1	3.8	120 - 2350