

## Product overview



## Timing belt pulleys

# TIMING BELT PULLEYS

Timing belt pulleys are important drive elements for slip-free synchronous drive. Due to the teeth on the pulley running surface, slipping of the belt is almost impossible. Even at high speeds and peripheral speeds, a high degree of efficiency can be achieved in terms of power transmission. Timing belt drives are valued above all for their high tensile strength with comparatively low elongation. Due to their high resistance to lubricants, moisture and chemicals, timing belts are ideal for many areas of plant and mechanical engineering.

## Advantages at a glance

- Slip-free transmission of movement
- High power transmission thanks to positive locking teeth
- High speeds
- High positioning accuracy
- Small installation dimensions
- Narrow wrap angles

We manufacture pulleys for all common profiles incl. special profiles of the leading belt manufacturers. The scope of supply includes standard bearing pulleys as well as optimised special designs up to a diameter of more than 2,000 mm.

Thanks to a flexible, model-free moulding process, we are able to produce all geometries. Timing belt pulleys can be produced individually according to customer specifications or drawings from batch size 1, for requirements such as urgent spare parts, prototypes, pilot series models or small series.

We develop the optimum drive solution in close consultation with the customer.

## OUR OPPORTUNITIES

- + Special pulleys > Ø 2,000 mm
- + Materials: cast iron, steel, aluminium and plastic
- + Weight-optimised customised products
- + Cylindrical bore with / without feather key, clamping sets or TaperLock clamping bush connection can be realised
- + Arm-, plate- or solid pulley design
- + Balanced according to DIN 21940 in quality grade G16, G6.3 or G2.5
- + Surface treatment to protect against corrosion or wear



# TIMING BELTS AND ACCESSORIES

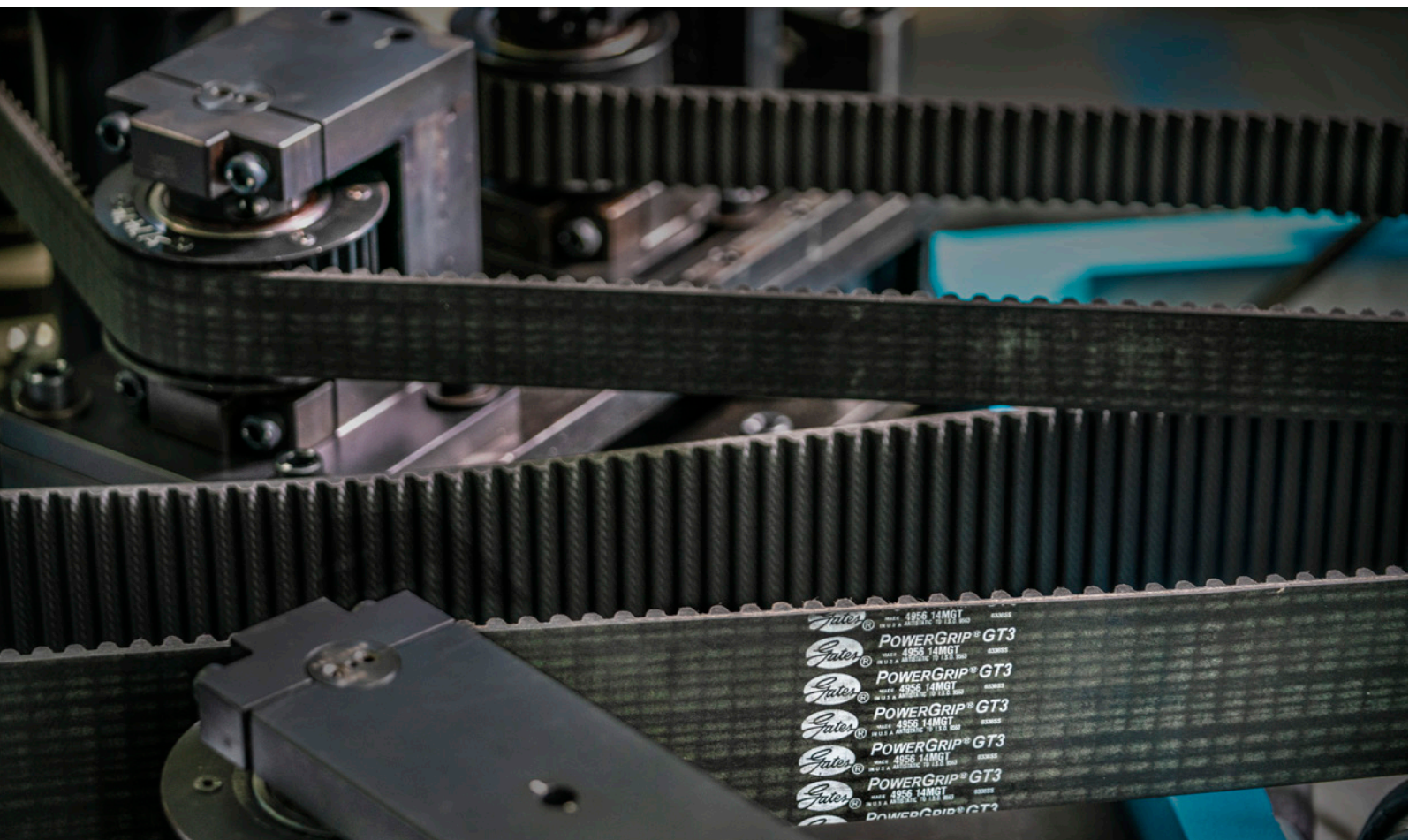
Timing belts or synchronous belts are used when large belt forces need to be transmitted without slippage. Another important area of application is synchronous drives, where the drive wheel and the driven wheel must run constantly in relation to each other.

Our range includes a large selection of branded products from all the leading timing belt manufacturers. We also offer accessories such as timing belt pulleys, belt tensioners, tensioning pulleys, mounting brackets and professional measuring tools for belt tension and alignment.

## Advantages at a glance

- Damping effect of the teeth made of elastic material
- Long durability with relatively low loads
- Low-noise running
- Hardly any elongation during service life, thus precise control
- No lubrication required
- Cost effective

On request, we can take over the complete drive design or check existing drives for possible improvement potential.



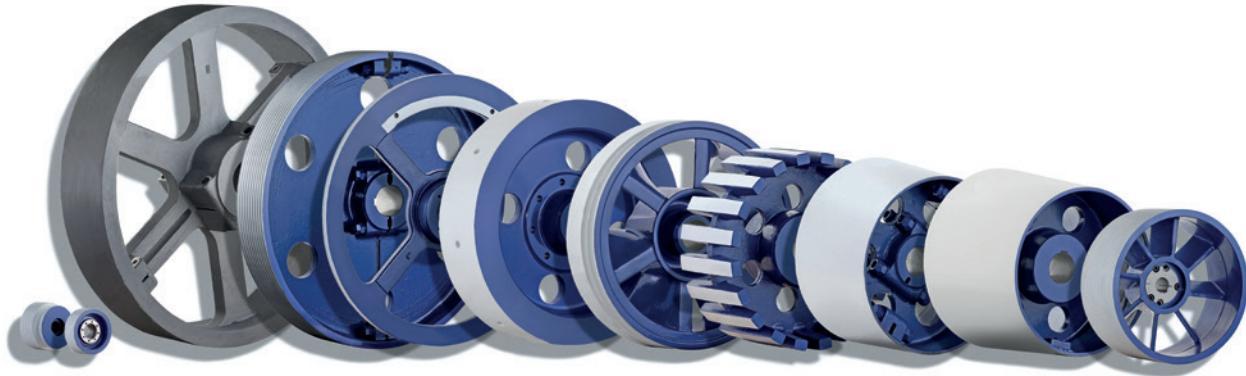


# PRODUCT OVERVIEW

## EXTRACT

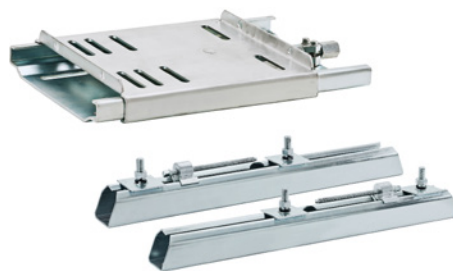
### Drive pulleys

V-belt pulleys | V-belt pulleys | Flywheels | Grid pulleys | Timing belt pulleys | Rubberized Pulleys | Split pulleys | Aluminium pulley



### Supplies for drive belts

TaperLock clamping bushes | Motor clamping systems | V-belts / Drive belts | V-belt metrology | Rubber suspension units  
Oscillating mountings | Tensioner devices | Foundation blocks | Shafts and rolls



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