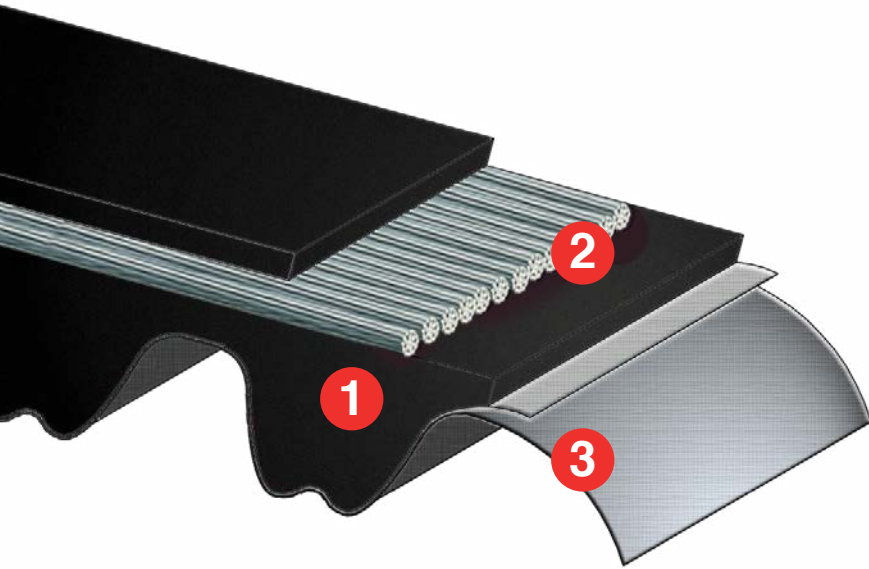


**MEGADYNE MEGASYNC™
TITANIUM**



MEGADYNE

THE NEW STANDARD IN ULTRA HIGH-PERFORMANCE SYNCHRONOUS BELTS



- Megadyne introduces one of the highest power density synchronous power transmission belt on the market!
- Next generation of synchronous belts surpassing the Platinum and other premium belt drives on the market today.
- When you want to replace chains, gears or you need to provide a superior belt drive solution - you need **MEGADYNE MEGASYNC™ TITANIUM**.
- With an enhanced design and innovative materials, Titanium has all the features and performance to make it **the ideal belting solution** in the most demanding applications.

BELT STRUCTURE AND FEATURES

1 BELT BODY

HNBR Elastomer uniquely cross-linked to increase tooth rigidity & durability.

- Superior resistance to flex fatigue
- Expanded range of working temperatures from -40°C (-40°F) to +120°C (+248°F) and ability to withstand peaks up to +140°C (+284°F)
- Highly resistant to mineral oils and abrasion

2 CORDS

100% carbon, the cord provides extreme dimensional stability (no stretch) under static and dynamic operational loads.

- Maintenance-free, no need to re-tension
Dual spiral S & Z twist cord provides neutral tracking
- Extremely accurate tooth meshing resulting in the reduction of abrasion, vibrations, & noise

3 TOOTH FACING FABRIC

High-performing special fabric bonded to the tooth surface.

- Improved torque carrying capacity and tooth shear resistance
- Special film provides self-lubricating properties
- Long lasting durability and antistatic properties
- Low friction, increased drive efficiency with less sprocket wear

Antistatic
according to ISO 9563



RANGE

- **PROFILE:** RPC – an advanced evolution of RPP
- **PITCH:** 8M; 14M
- **LENGTH:** 8M from 248 to 4400 mm; 14M from 994 to 4956 mm
- **WIDTH:** Available in any width





ADDED FEATURES

SUPERIOR POWER CAPACITY WITH A MORE COMPACT DRIVE SYSTEM

- Reliability
- Wide variety of applications
- Quieter operation
- Less maintenance
- Cost efficient drives
- Interchangeability
- AntiStatic to ISO 9563



BENEFITS

NEW & EXTREME DRIVE DESIGNS

- Depending on the drive characteristics, potential to reduce at least one standard belt width from current drive belt- immediate cost savings, less overhung load on bearings and shafts, thus resulting in longer life of all components upstream and downstream.
- Narrower belt width means lower metal costs.
- Widest working temperature range: Titanium works on applications where other belts will not.

EXISTING BELT SYSTEM UPGRADE

- Up to 50% or more power capacity than traditional synchronous belts on the market.
- Minimize upgrade problems on existing applications thanks to the high interchangeability of sprockets: "RPC" profile has full interchange with HTD, RPP profiles and polyurethane belt pulleys.
- Improved durability and efficiency, more sustainable.
- Available in any width.

CHAIN & GEAR REPLACEMENT

- Lower noise and less weight than roller chain, gears or even polyurethane belts.
- Does not require lubrication nor frequent re-tensioning.
- On average lasts 3-4 times longer than roller chain; if already replacing roller chain once a year, it could be possible to extend maintenance interval to once every 3 years.

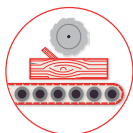
MAIN INDUSTRIES



HVAC



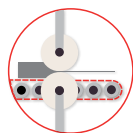
TEXTILE



WOOD



MARBLE



ALUMINIUM



HEAVY
INDUSTRY



MATERIAL
HANDLING
& LOGISTICS



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