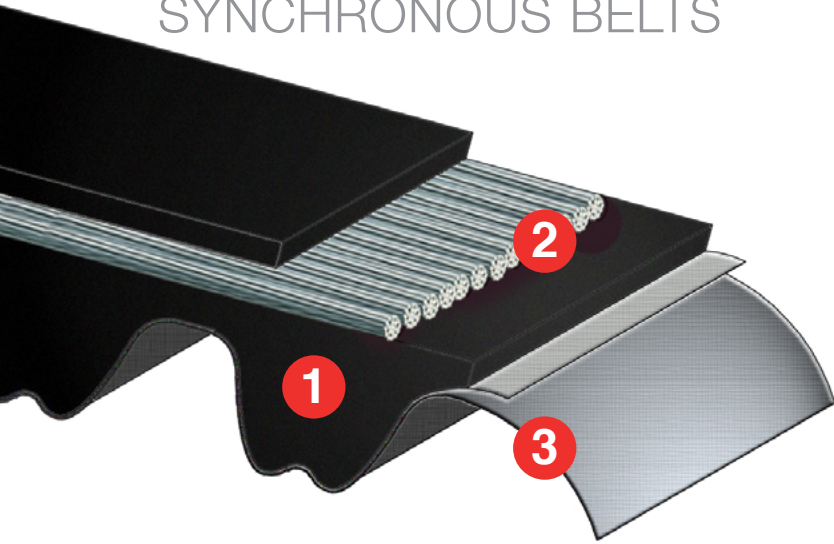


**MEGADYNE MEGASYNC™
TITANIUM**



MEGADYNE

THE NEW STANDARD IN ULTRA HIGH-PERFORMANCE SYNCHRONOUS BELTS



- Megadyne introduces one of the highest power density synchronous power transmission belts 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

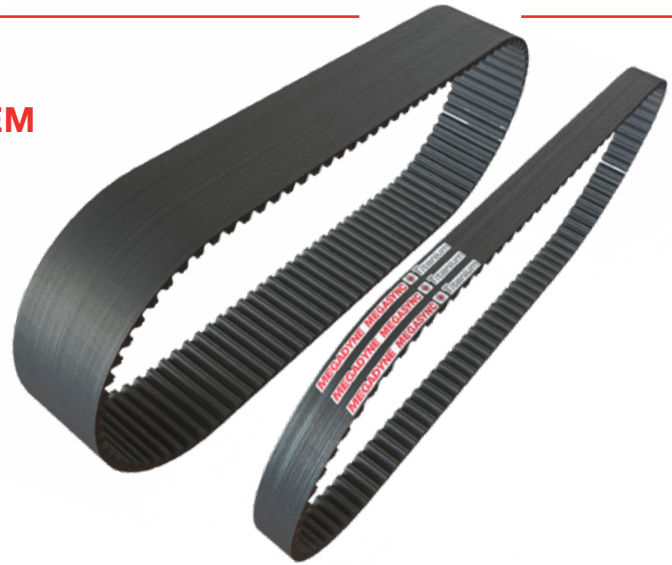
- **PROFILE:** RPC – an advanced evolution of RPP
- **PITCH:** 8M; 14M
- **PITCH LENGTH:** 8M from 248 to 4400 mm; 14M from 994 to 4956 mm
- **WIDTH:** Available in any width



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.

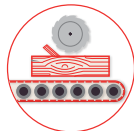
MAIN INDUSTRIES



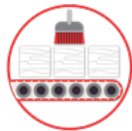
HVAC



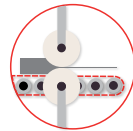
TEXTILE



WOOD



MARBLE



ALUMINIUM



HEAVY
INDUSTRY



MATERIAL
HANDLING
& LOGISTICS



See more

AUSTRALIA**Victoria**

Phone +61 (03) 8780 6030
 au-ptsales@ammega.com

BRASIL**Sorocaba**

Phone +55 15 2101 7700
 Info.br@megadynegroup.com

CANADA**Edmonton**

Phone +1 780 461 4400
 Info.ca@megadynegroup.com

Montreal

Phone +1 514 695 1313
 Info.ca@megadynegroup.com

Toronto

Phone +1 905 602 4400
 Info.ca@megadynegroup.com

CHINA**Foshan**

Phone +86 757 8381 5530
 info.cn@megadynegroup.com

Ningbo*

Phone +86 574 8650 5008
 info.cn@megadynegroup.com

Phone +86 574 8833 4378
 sales@challengept.com

Qingdao*

Phone +86 532 8658 0951
 info.cn@megadynegroup.com

Shanghai

Phone +86 21 5447 1473
 info.cn@megadynegroup.com

COLOMBIA**Bogotá**

Phone + 57 601 390 4325
 Info.co@megadynegroup.com

Cartagena

Phone + 57 605 693 2591
 Info.co@megadynegroup.com

Mosquera – Cundinamarca

Phone +57 601 893 9890
 info.co@megadynegroup.com

Cali

Phone +57 602 387 5945
 info.co@megadynegroup.com

CZECH REPUBLIC**Prague**

Phone +420 603 461 892
 Info.cz@megadynegroup.com

FRANCE**Paris**

Phone +33 1 6079 8200
 info.fr@megadynegroup.com

GERMANY**Borchen**

Phone +49 5251 8735 0
 info.de@megadynegroup.com

HUNGARY**Budapest**

Phone +36 23 428 628
 info.hu@megadynegroup.com

INDIA**Chennai***

Phone +91 98841 81175
 info.in@megadynegroup.com

IRELAND**Dublin**

Phone +353 1 456 6311
 ireland@challengept.com

ISRAEL**Caesarea**

Phone +972 4 637 1485
 info.il@megadynegroup.com

ITALY**Turin***

Phone +39 011 926 8052
 info@megadynegroup.com

Pescara*

Phone +39 085 9700547
 info.it@megadynegroup.com

Venice

Phone +39 041 929 367
 info.it@megadynegroup.com

JAPAN**Nagoya**

Phone +81 52 433 7400
 info.jp@megadynegroup.com

MALAYSIA

Phone +60 380 618 849
 info.my@megadynegroup.com

MEXICO**Mexico C.P.**

Phone +52 55 5587 3680
 info.mx@megadynegroup.com

PERU**Lima**

Phone + 51 1 713 0069
 info.pe@megadynegroup.com

POLAND**Bielsko Biala**

Phone + 48 32 447 7179
 info.pl@megadynegroup.com

Bydgoszcz*

info.pl@megadynegroup.com

SINGAPORE**Singapore**

Phone +65 62739767
 Info.sg@megadynegroup.com

SOUTH AFRICA**Johannesburg**

Phone + 27 (0) 12 661 1652
 info.za@megadynegroup.com

Phone + 27 (0) 11 3976115
 sasales@challengept.com

Cape Town

Phone +27 (0)21 9820772
 info.za@megadynegroup.com

SOUTH KOREA**Gyeonggi-do**

Phone +82 314483613-7
 Info.kr@megadynegroup.com

SPAIN**Vilanova***

Phone +34 93 811 5450
 info.es@megadynegroup.com

SWEDEN**Kristianstad**

Phone +46 10 1309600
 info.se@megadynegroup.com

THAILAND**Bangkok**

Phone +66 2 902260413
 info.th@megadynegroup.com

TURKEY**Izmir**

Phone +90 232 877 07 00
 info.tr@megadynegroup.com

U.K.**Birmingham**

Phone +44 1384 215 021
 info.uk@megadynegroup.com

Wolverhampton

Phone +44 (0) 1902 866116
 uksales@challengept.com

VIETNAM

Phone +84 28 3765 6205
 info.vn@megadynegroup.com

U.S.A**California**

Phone +1 323 265 8061
 info.us@megadynegroup.com

Florida

Phone +1 813 241 4111
 info.us@megadynegroup.com

Georgia*

info.us@megadynegroup.com

Illinois

Phone +1 630 752 0600
 info.us@megadynegroup.com

New Jersey Americas HQ

Phone +1 973 227 4904
 info.us@megadynegroup.com

North Carolina*

Phone +1 704 583 5388
 info.us@megadynegroup.com

Oregon

Phone +1 503 231 7224
 info.us@megadynegroup.com

Texas

Phone +1 972 438 6992
 info.us@megadynegroup.com

*** Manufacturing locations****GENERAL CONTACT INFORMATION****MEGADYNE**

Via S. Lucia, 114
 10075 Mathi (Torino)

Phone +39 011 926 8052
 info@megadynegroup.com

ammega.com

