



## ***V-BELTS GOLD RANGE***

PRODUCT  
BROCHURE

EN



# MEGADYNE LINEA GOLD

LINEA GOLD IS THE NEW GENERATION OF RAW EDGE V-BELT WITH SPECIAL EPDM CONSTRUCTION THAT OUTPERFORM ALL THE PREVIOUS DRIVES EQUIPPED WITH STANDARD RAW EDGE BELTS.

Excellent for applications requiring non-slip performance and operation in high temperature environments, Linea X guarantees large cost advantages for the end users and greater design flexibility for the engineers.

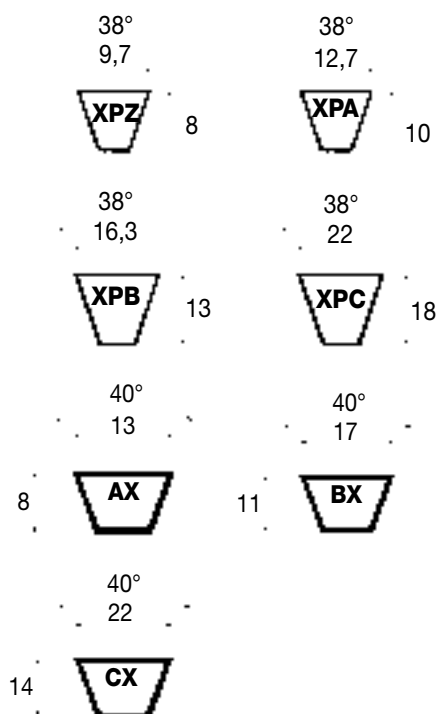
The belt has a narrow cross section and a raw edge construction, based on a new EPDM rubber compound which can withstand chemically aggressive environments, ageing, ozone, UV and heat.

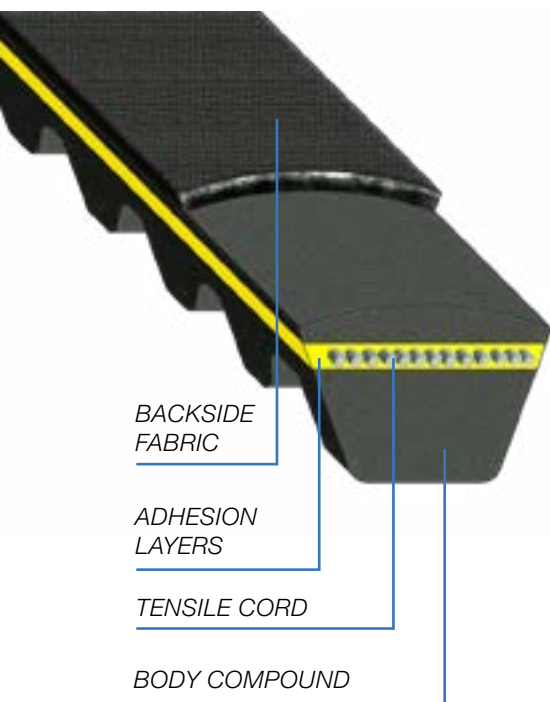
The EPDM construction also has the additional advantages of being environmentally friendly with benefits that contribute to sustainability and energy efficiency which can reduce your carbon footprint.

## LINEA GOLD RANGE

The new Linea GOLD raw edge belts are available ex-stock, in the following cross sections: **XPZ, XPA, XPB, XPC.**

Upon request also the classical sections (**ZX, AX, BX AND CX**) can be manufactured.





# MEGADYNE LINEA GOLD

## STRUCTURE

### BACKSIDE FABRIC

A textile fabric is plied on the belt backside to protect it against contamination and moisture. Its flexibility gives the belt excellent reversed bending properties when backside idlers are used and protects the belt against wear.

### ADHESION LAYERS

An innovative, colored, EPDM compound located immediately above and below the belt cords, guarantees the best possible bonding with the under cord body material.

### TENSILE CORD

The tensile section is made up of a multiple number of high-strength, low elongation polyester tensile cords which are completely embedded in the adhesion layers and vulcanized as one solid unit to enhance resistance to tensile and flex-fatigue forces. On request, for special extreme requirements, aramid or glassfibre cords are also available.

### BODY COMPOUND

A newly developed EPDM compound, with high-performance fibers embodied in the rubber matrix, provide to the belt with superiors abrasion and wear resistance. The transversal orientation of the fibers improves the cord support capacity of the body section and reinforces its transversal rigidity, while maintaining, in connection with the cogged profile and the precision-ground sidewalls, the utmost longitudinal flexibility and running stability.

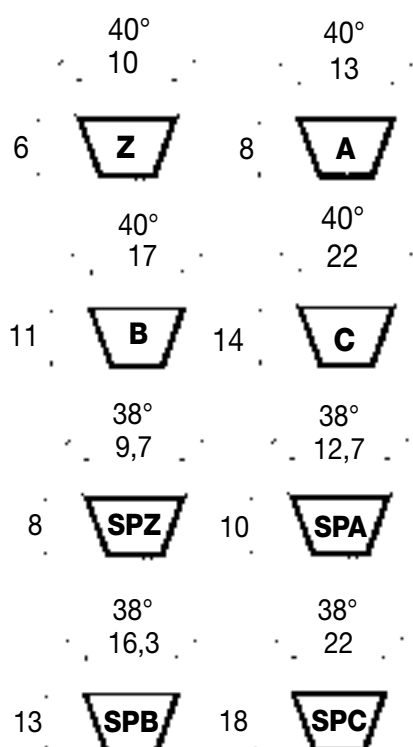
## MAIN FEATURES

- Large temperature range: from -40°C up to +110°C.
- Increased power capacity: +30% higher power ratings compared to standard LINEA-X belts, allow for the design of more compact drives.
- Grinded sidewalls for smooth-running operation, with no vibrations and reduced noise levels.
- All belts meet the tightest dimensional tolerances and can be installed without matching (according to ISO 4184).
- Static conductive according to ISO 1813.
- Environment-friendly belts, all the compounds are halogen-free and RoHS compliant.
- The longer and reliable service life reduces the material and labor cost for drive maintenance. Extended service life that reduces replacement and maintenance costs.

# OLEOSTATIC GOLD

DIFFERENT MATERIALS AND DESIGN FEATURES, TOGETHER WITH AN IMPROVED PRODUCTION PROCESS, HAVE LED TO THE DEVELOPMENT OF A NEW CLASS OF HIGHER RATED WRAPPED V-BELTS.

The OLEOSTATIC GOLD V-belts product family can operate in a wide range of industrial applications, within a large spread of load capacities and speeds - offering rated performance from 100 to 8,000 RPM and power capability from 1 to 400 kW, meanwhile granting large cost advantages for the end users.



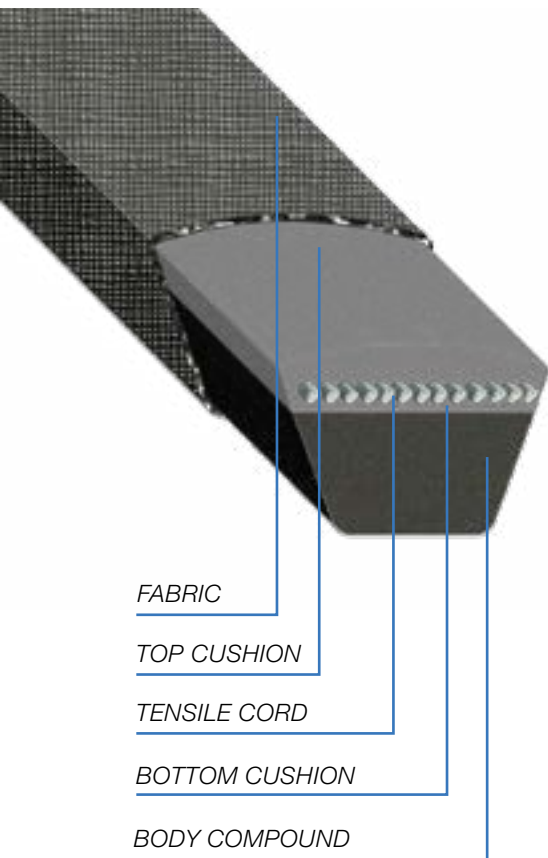
## OLEOSTATIC GOLD RANGE

Classical (**Z, A, B, C**) and narrow (**SPZ, SPA, SPB, SPC**) cross sections and a wrapped construction, to withstand chemically aggressive environments, heat, oil and contamination.



# OLEOSTATIC GOLD

## STRUCTURE



### FABRIC: DOUBLE COVER PLY - CR DIP

A reinforced, double fabric cover is plied around the belt to protect it against contamination and moisture. Its increased flexibility allows the belt to bend more easily around the smallest pulleys with far less strain on the fabric, while assuring a smoother running drive.

### TOP CUSHION: SBR COMPOUND + FIBERS

### TENSILE CORD: H.T. POLYESTER

The tensile section is made up of a multiple number of high-strength, low elongation polyester cords, completely embedded in the adhesion layers, to enhance resistance to tension and flex-fatigue. Each cord is individually and specially coated to secure a long-lasting bond with the surrounding rubber and to grant a longer operational lifetime. In addition the belt requires significantly less re-tensioning and take-up due to its cord's consistent length stability. Longer belt life means less frequent replacement, less downtime and lower maintenance costs.

### BOTTOM CUSHION: SBR COMPOUND + FIBERS

### BODY COMPOUND: POLYCLOROPRENE (CR) BASED

## MAIN FEATURES

- Higher ratings: up to +30% more power transmission capacity than standard Oleostatic belts. This allows for the design of more compact drives and cost reduction.
- A wide range of sizes and sections, covers a wide spectrum of power ratings and speeds, to solve any new drive design issue or easily upgrade the existing drive.
- Smooth-running operation, with no vibrations and a reduced noise level, as the new low stretching cords grant less tension decay.
- MegaMatch. All belts molded to the tightest dimensional tolerances (according to ISO 4184). No need for set selection.
- Static conductive according to ISO 1813.
- Environment-friendly belts, all the compounds are halogen-free and RoHS compliant.

## NOTES

## NOTES

# Discover Your Local Contacts

The local partner of choice  
for sustainable power transmission belting solutions  
around the globe.

**General contact information:**

**Megadyne**

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Italy



Scan the QR code  
and find your local  
contact

