



**NEW**



**LINEA GOLD**



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**MEGADYNE**

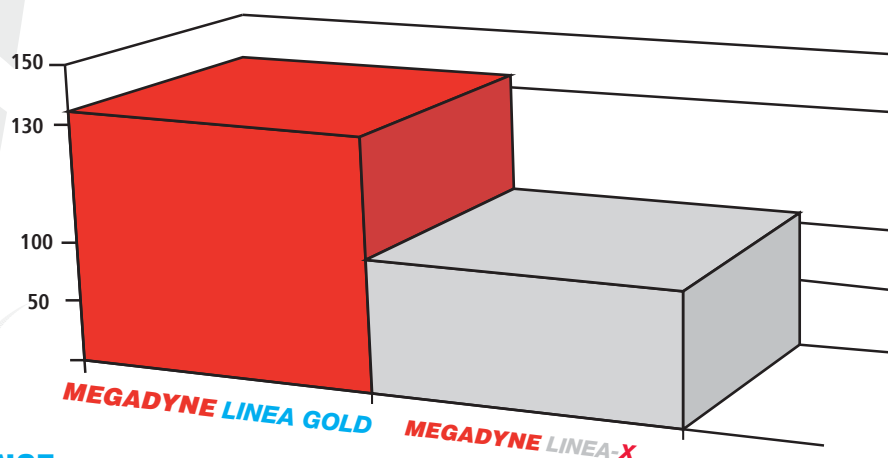
# MEGADYNE LINEA GOLD

## A NEW GENERATION OF RAW EDGE V-BELTS

New materials, advanced design features and an innovative production process has led MEGADYNE to develop a new generation of raw edge V-belt drives that outperform, in a wide range of industrial applications, all the previous drives equipped with standard raw edge belts, granting 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.



## PERFORMANCE COMPARISON INDEX



## 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.



## STRUCTURE

### ① 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.

### ② ADHESION LAYERS

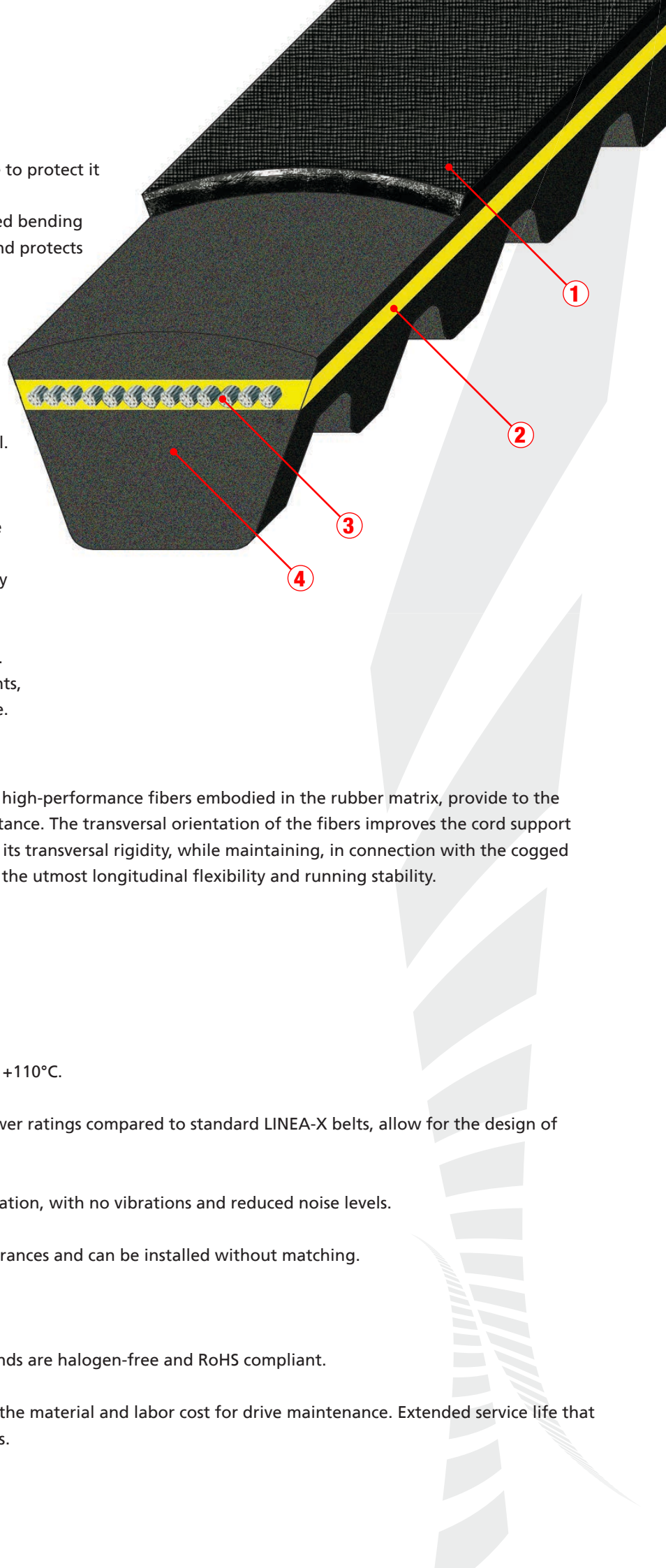
An innovative, colored, EPDM compound located immediately above and below the belt cords, guarantees the best possible bonding with the under cord body material.

### ③ 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.

### ④ 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.
- 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.