



MEGADYNE

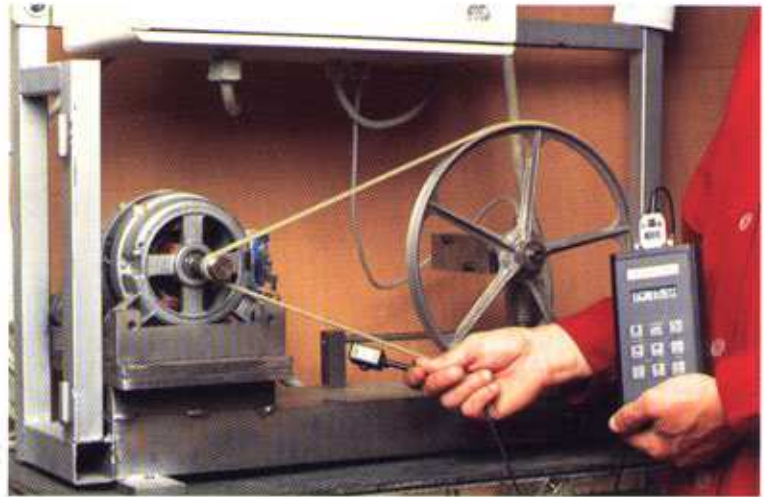
POLYURETHANE MEGARIB BELTS

Megadyne started manufacturing transmission belts in 1957. Constant research and development into new products, has created a wide high quality range, that places Megadyne as world leading producers of polyurethane and rubber transmission belts. A continually expanding global presence, offers a distribution network that guarantees local service and engineering support. Megadyne products are used in all industrial drive applications, for power transmission, synchronisation, conveying and linear positioning. Manufacturing plants are located in Mathi (Italy), St. Jaen de Maurienne (France), Ulm (Germany), Milan (Italy) and Pineville (USA).



Megadyne offers engineering support and advice to customers the world over. With our knowledge, resources and experience, we can accommodate new application requirements, that the ever constant demand of new technology brings.

The Megadyne mission is to constantly strive, and achieve the best possible product for all industrial applications.



Megadyne is a leading worldwide manufacturer of washing machines belts: Megadyne supplies the main washing machines manufacturers and annually produces several millions belts.

The Research and Development

department constantly collaborates with the Customer's Technical department, supporting existing projects and helping to develop new ones. Our aim is to satisfy all aspects of the Customer's requirements.

The Technical and Quality departments are constantly researching new materials. By using the most up-to-date technologies they are directly involved in the development of new products according to the Customer's requests, therefore giving constant support under any technical circumstances.

The manufacturing plant in Mathi (Italy) has a high production capacity, guaranteeing a continuous supply of high quality products.



Our Megarib belts are especially suited to washing machines and other domestic appliances.

The body of the belt is made from thermoset polyurethane that, due to elastomers, offers a particularly valuable combination of physical and chemical properties. Problems of high costs, high speeds, lifetime, noise and vibrations have been resolved with thermoset polyurethane due to its advantageous properties.

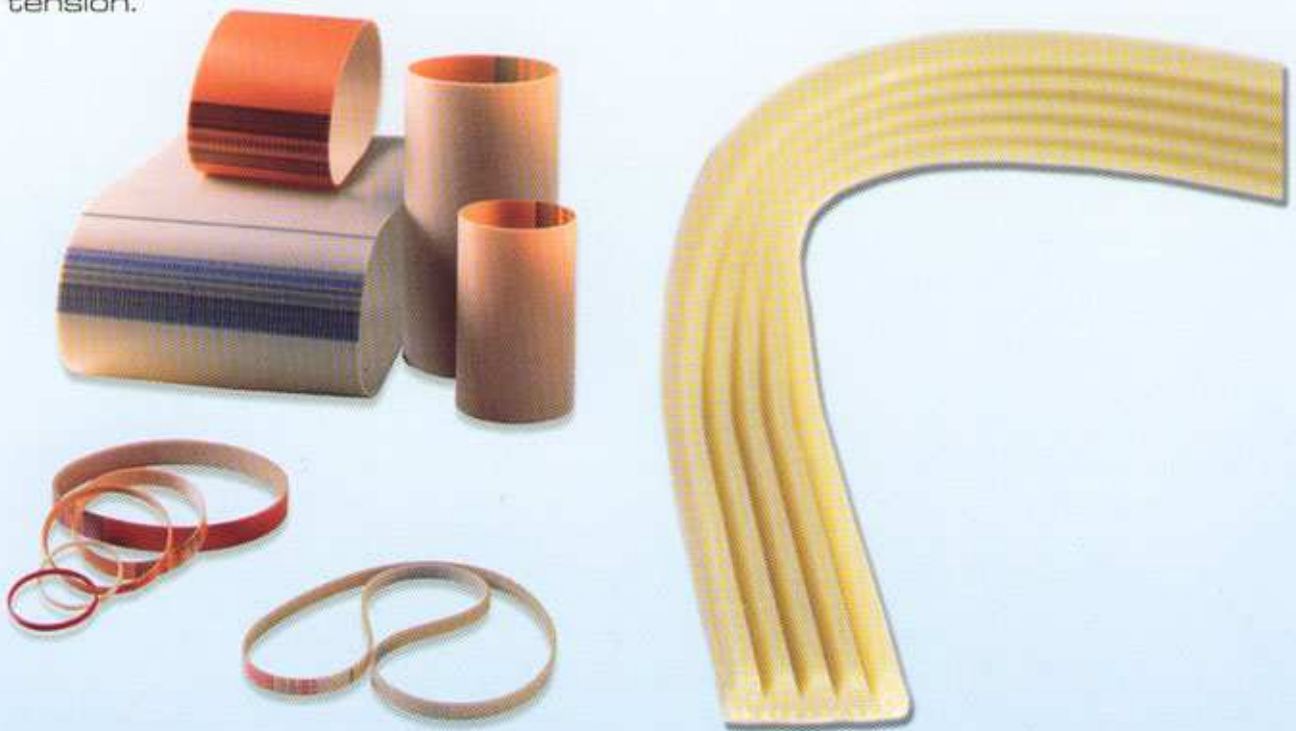
Cords are available in two different materials:

- polyamide (elastic)
- polyester (rigid)

giving different properties to Megarib belts.

Elastic belts are particularly suitable for washing machines. They can be fitted on fixed centre drives, reducing noise and vibrations. They are designed for easy installation. The absence of a tensioning device offers additional cost saving.

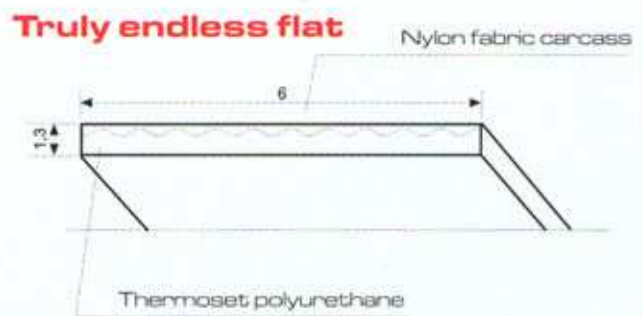
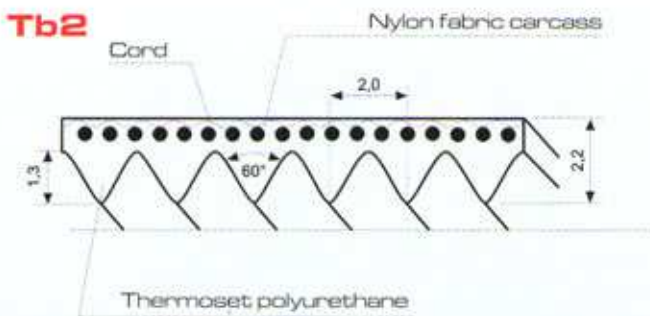
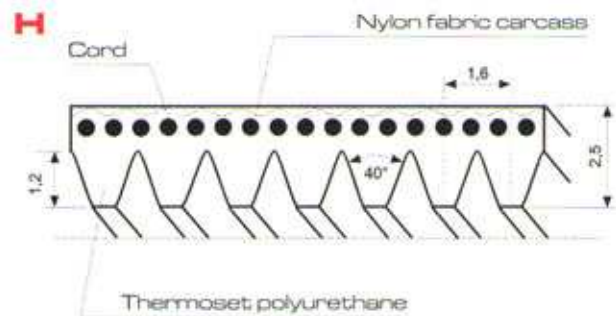
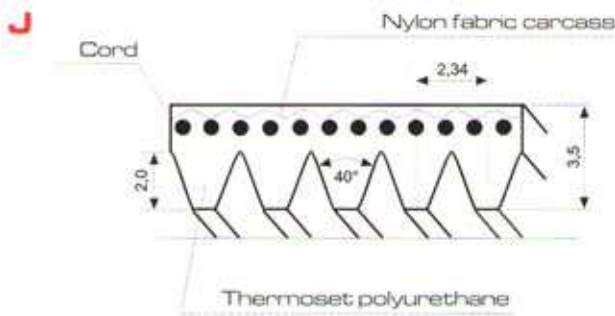
Rigid belts, used mainly in short length, are recommended for food processors and domestic appliances. They require a correct installation tension.



Properties of Megarib belts are the following:

- Dimension stability
- Optimum flexibility
- High speed resistance
- Excellent resistance at oils and ozone
- Noiseless usage
- Long lifetime
- High transmittable power rate
- Low energy consumption for the complete transmission system
- Cost saving

Profiles available for Megarib belts are four:

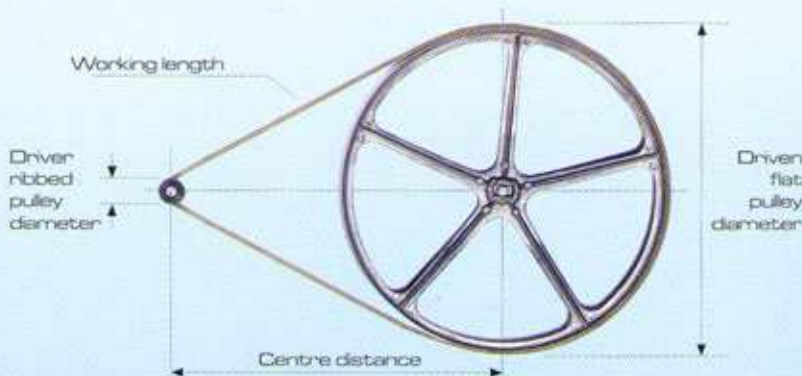


Widths for Megarib belts depend on number of ribs required.

Lengths are developed according to customer requests, each time the necessary tooling has to be produced. For this reason, a list of standard lengths does not exist.

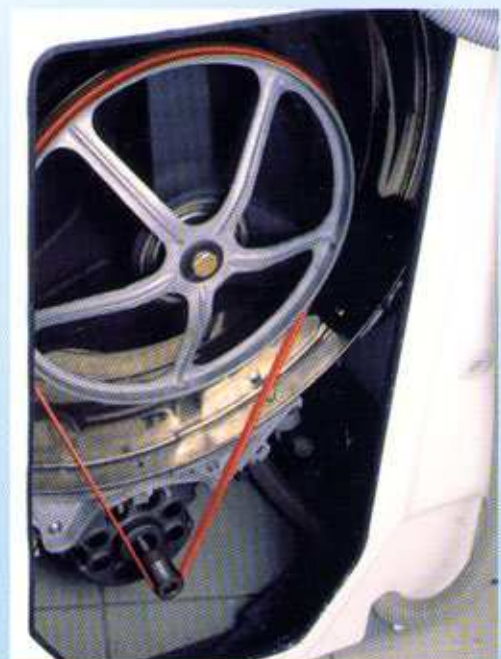
Our Research and Development department, in order to establish the working length, needs to know the following:

- Driver and driven pulley diameter
- Centre distance



Belt identification is possible by referring to the following examples:

Belt type	Cord type	Working length	Profile	Number of ribs
Megarib	Elastic	1200	J	6
Megarib	Rigid	1270	J	3



ISO 9001 procedures are followed by our Quality department in order to adhere to the requested parameters, to guarantee high quality Megadyne products. Tension and centre distance accuracy are checked periodically. These tests are made, at maximum speed, on the same engine that equips washing machine. Pretension can be changed according to the Customer's specification.



MEGADYNE S.r.l.