MEGADYNE

MEGALINEAR LIVE ROLLER BELT

EN

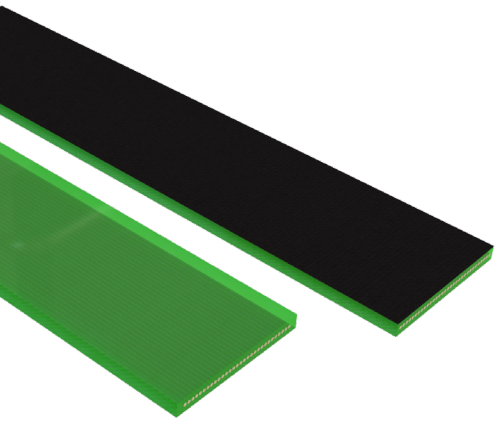
PRODUCT BROCHURE

MEGALINEAR MLR-45

MLR-45 - **M**EGALINEAR **L**IVE **R**OLLER 45MM THE NEW MEGADYNE SUPER HIGH PERFORMANCE BELT DESIGNED TO EXCEED THE SPECIFIC NEEDS OF DEMANDING APPLICATIONS IN AUTOMATED WAREHOUSE SYSTEMS.

In the realm of modern intralogistics, power transmission belt systems must meet rigorous criteria: reliability, durability, and efficiency. Critical to belt performance is its interaction with rollers. The belt must exhibit flexibility while optimizing friction on metal rollers. This flexibility ensures smooth navigation through the twists and turns of the roller conveyors. The choice of belt material and design is crucial for achieving a balance—providing robust friction on metal rollers for secure item transfer and low friction on idlers to minimize energy consumption.

A well-engineered belt, adept at enduring bending cycles, modulating friction, and conserving energy, becomes integral to the reliability, durability, and efficiency of the entire intralogistics operation. Typically delivered in open-end rolls, these belts require on-site customization by warehouse maintenance teams.



MEGADYNE SUPER HIGH PERFORMANCE SOLUTION

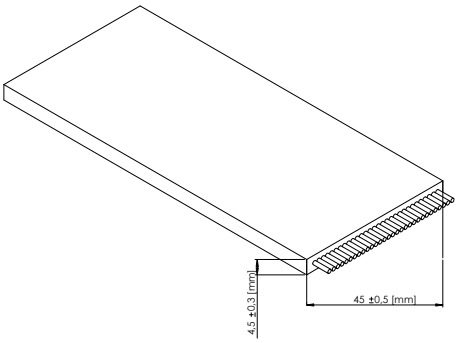
Megadyne introduces MEGALINEAR MLR-45: a durable, reliable and low-maintenance engineered belt for extended life in demanding applications in Logistics warehouse.

STRUCTURE

MEGALINEAR MLR-45 is manufactured from polyurethane 85° ShA, in standard green and alternative version with black antistatic fabric on the bottom.

Features:

- central aramide cords packed to avoid the possibility of cords at the sides
- green translucent finish for easy wear detection
- high friction surface
- optional - black fabric antistatic to offer a conductive characteristic and reduce dust abrasion and lower the friction



Characteristics:

Standard Width: 45 mm

Standard Length: 100 – 150 – 200 m (other lengths on request)

Thickness: 4.5 mm +/- 0.50

Max traction load: 9600 N

Breaking strenght: 38400 N

Working temperature: -25 / + 80 °C

MEGALINEAR MLR-45

MEGALINEAR 45 GREEN - YOUR HIGH PERFORMANCE SOLUTION

MATERIAL HANDLING

ADVANTAGES

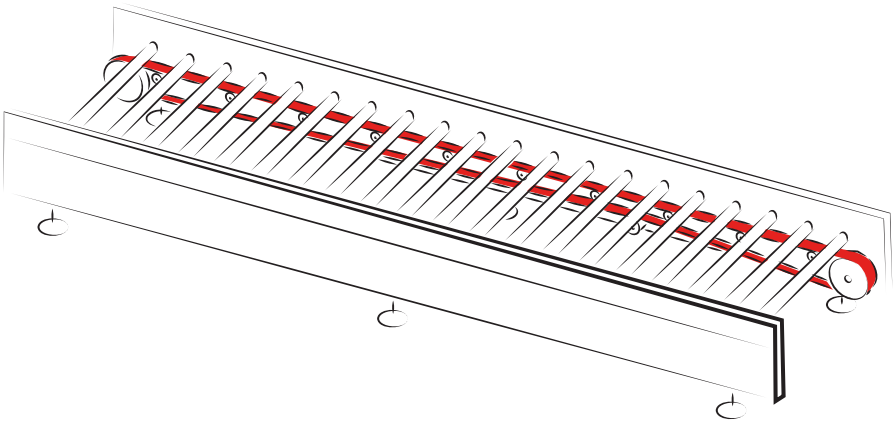
FLEXIBILITY & HIGH PERFORMANCE
- high grip and less slip on the rollers

HIGH EFFICIENCY
- stable tension over time
- smooth running and designed for longer life

LESS MAINTENANCE
- easy installation
- fast and easy replacement on site
- easily spliced using common splicing equipment

ENERGY SAVING
- low energy consumption due to high flexibility

COST SAVING
- superior wear and abrasion resistance resulting in longer belt life
- improved resistance to ozone and temperature degradation
- increase flex life over time
- improved performance increasing machine run time



Contact us for more information

MEGADYNE

Discover Your Local Contacts

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