



# TOP ROLLER

## New thermoplastic roller

### A light, strong, eco-friendly solution from Rulmecca

Rulmecca is proud to introduce the new TOP roller, a totally thermoplastic roller with the exception of the steel in the ball bearing and the shaft.

#### FEATURES AND BENEFITS:

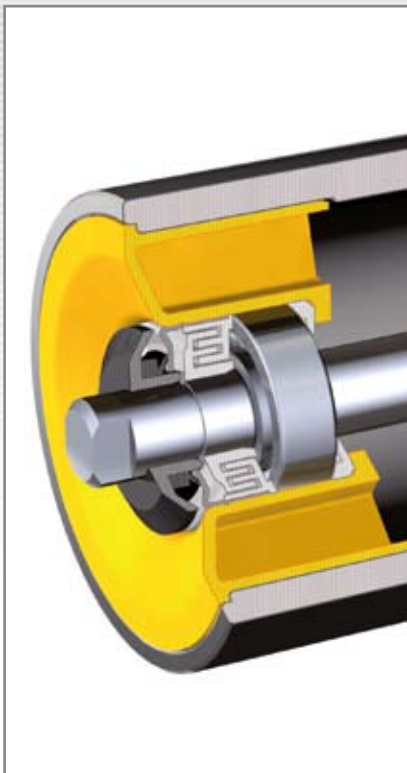
- lower weight with respect to a steel roller (about 50%). That means:
  - lower power consumption during start/stop operation of the belt conveyor and therefore reduction of power requirements on the plant;
  - easier mounting/maintenance operations, preventing back injuries of the operator and guaranteeing a safer intervention, especially in application where roller mounting or replacement might be critical (suspended belt conveyor, difficult access, long conveyors...)
  - easier/cheaper transportation
- low level of abrasion and corrosion of the roller (wear resistant). That means:
  - longer life of the roller;
  - lower maintenance of the whole plant.
- belt friendly, since HDPE tube will not wear the belt
- high resistance to chemical agents. That means:
  - the roller will not rust
  - the roller is suitable for a wide variety of applications
- low noise emission (due to thermoplastic noise absorption)
- self-cleaning roller surface. That means:
  - prevention of build up of material, main cause of belt mis-tracking
  - less spillage from the belt
- low running resistance sealing system. That means:
  - lower motor torque need in conveyor starts
  - lower motor power size
  - reduction of energy consumption of the belt conveyor (added effect to that of the lower weight)
  - lower belt consumption



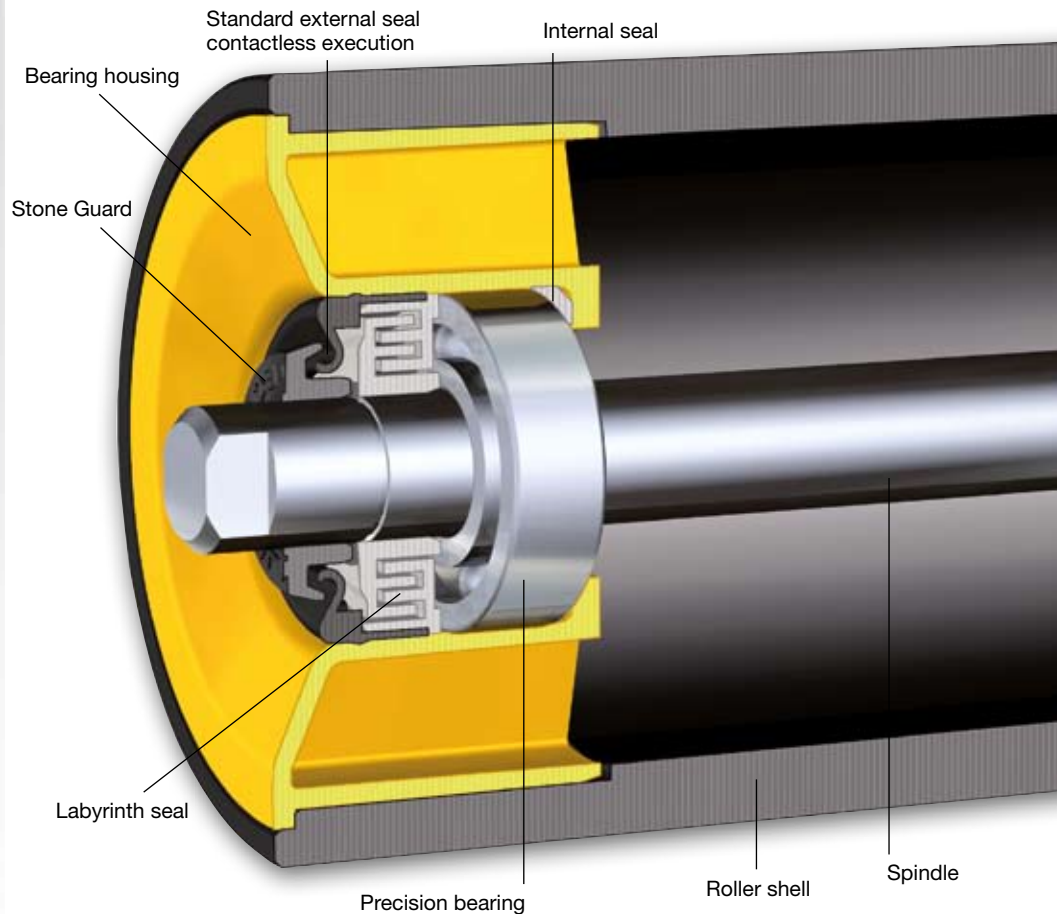
High Density Polyethylene (HDPE) tube, black colour, long fitting between the tube and the bearing housing



Bearing housing: Homopolymer Acetal Resin (POM), colour: yellow RAL 1018



Sealing system: optional hermetic execution





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## FEATURES

Available types:

89 mm diameter, 20 mm shaft, 6204 bearings  
 108 mm diameter, 20 mm shaft, 6204 bearings  
 133 mm diameter, 20 mm shaft, 6204 bearings  
 102 mm diameter, 25 mm shaft, 6205 bearings (\*)  
 127 mm diameter, 25 mm shaft, 6205 bearings  
 133 mm diameter, 25 mm shaft, 6205 bearings

Load capacity (\*\*)

designed for light/medium duty applications

Sealing

Available in both hermetic and contactless execution, therefore guaranteeing excellent performance in presence of any kind of contaminant

Material:

Tube  
 Bearing Housing

High Density Polyethylene (HDPE)  
 Homopolymer Acetal Resin (POM)

Working temperatures

-25°C,+50°C

Applications

Suitable for use in a wide variety of applications and products such as cement, coal, gravel, fertilisers, ports, chemicals and many others

(\*) available starting from April 2011

(\*\*) contact your local Rulmecca Company for information and updates

**[www.rulmecca.com](http://www.rulmecca.com)**

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COMPANY WITH QUALITY MANAGEMENT  
 SYSTEM CERTIFIED BY DNV  
 = ISO 9001:2008 =