

TUBE MATERIAL PROPERTIES

MECHANICAL PROPERTY	UNIT	TUBE
Stress @ Yield	MPa	36.98
Stress @ Break	MPa	23.00
Strain @ Yield	%	2.50
Strain @ Break	%	3.29
Young's Modulus	MPa	1813
Abrasion after 10 000 cycles 40kPa applied pressure	g	-0,004

TUBE SIZE AVAILABILITY

TUBE DIAMETER	WALL THICKNESS	SHAFT	BEARING
127	15	25	6205
133	20		
152	15	25, 30, 40	6205, 6306, 6308
159	20		
178	15	40, 50	6308, 6310

GLOBAL PRESENCE AND LOCAL SERVICE



ABOUT RULMECA

Founded in 1962, the Rulmeca Group has grown to be a leading partner to the global materials handling industry. With its three product brands, Rulmeca, Precismeca and Melco, Rulmeca Group is the world's largest supplier of rollers, idlers, pulleys and motorized pulleys for heavy duty belt conveyors for quarries and mining applications and of Rollers, Drum Motors and 24V Drive Rollers for Intralogistics.



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COMPOSITE ROLLER PREMIUM COMPONENTS FOR MATERIAL HANDLING



The new Rulmeca Composite Roller consists of a glass filled high density polyethylene tube, injection moulded bearing housing, stationary stoneguard and FRAS labyrinth seal. The Rulmeca Composite Roller offers a distinct mass advantage when compared to equivalent length standard steel and HDPE rollers.

BEARING HOUSING

- Injection moulded glass filled polypropylene with anti-static additive.

STONEGUARD

- Injection moulded impact modified PA66;
- The additional labyrinth offers increased protection for the seal and bearing;
- The stoneguard prevents the roller from seizing if a stone or rock gets stuck between the roller face and the roller bracket.

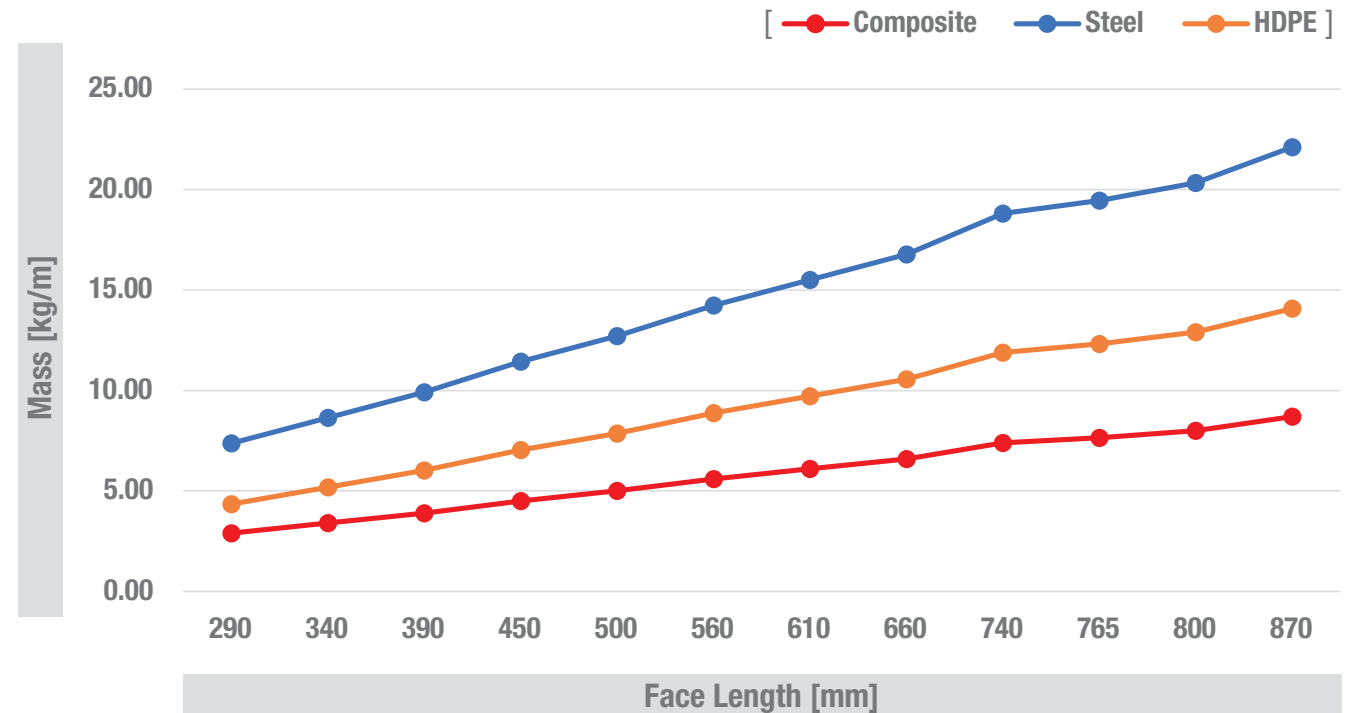
SEALING

- The multi-part labyrinth seal is injection moulded with UL94-V0 rated GF PA6;
- The seal is available as contactless for low drag application requirements or hermetic seal for dirty and wet applications.

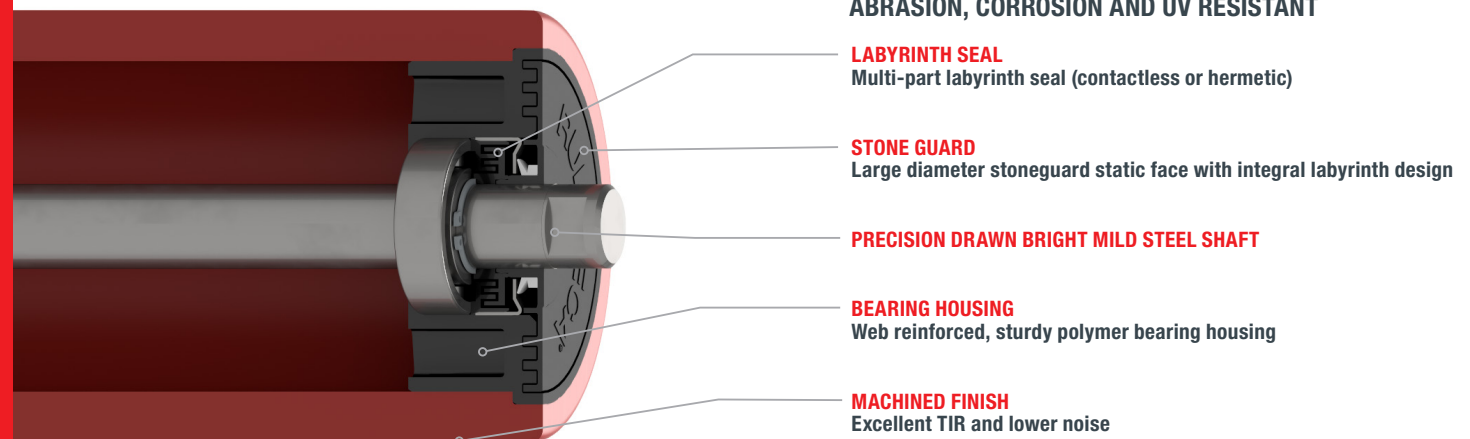
TUBE

- The tube material properties and tube wall thickness provide superior load carrying capacity;
- The tube offers very high abrasion resistance making the roller ideal for hard rock application;
- The machined outer surface offers excellent TIR and low noise emission.

ROLLER MASS BENEFIT TYPICAL Ø127



The Rulmeca Composite Roller offers a distinct mass advantage when compared to steel and HDPE rollers of equivalent length and diameter. Comparison based on solid shafting.



SOLUTIONS FOR ANY INDUSTRY