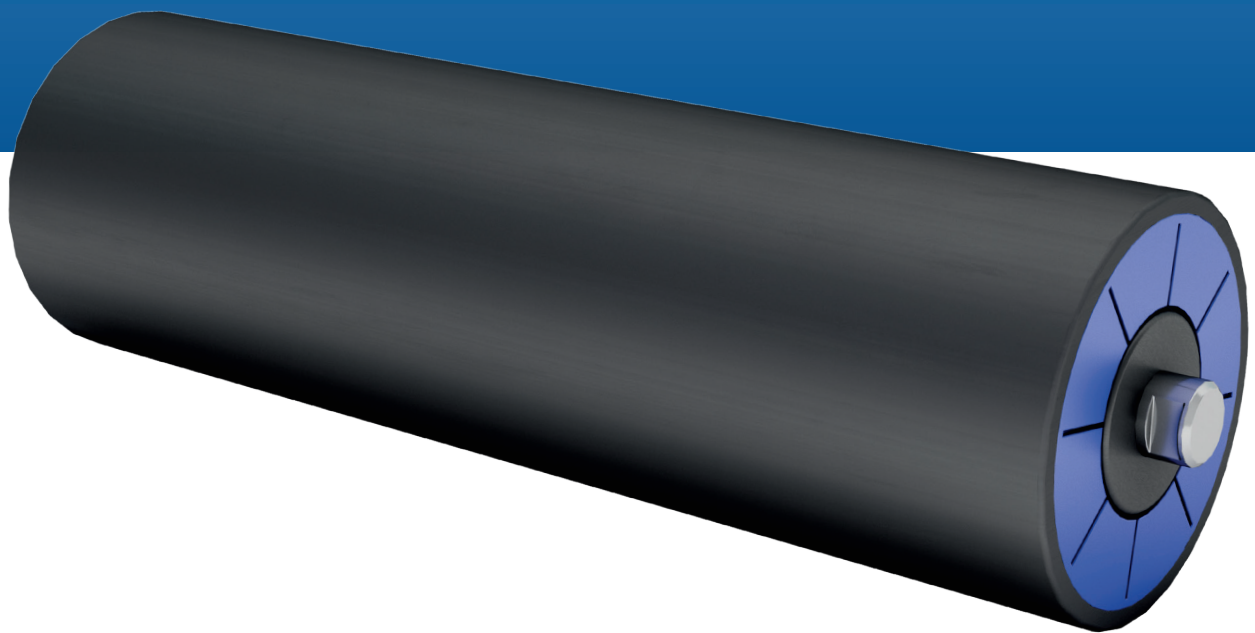


BLU-TEC

POWERED BY **Promati**

HDPE ROLLERS

High-performance plastic conveyor rollers



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HDPE conveyor rollers

High-performance plastic conveyor rollers

Our **HDPE** (High-Density Polyethylene) **conveyor rollers** are specifically engineered for use with aggressive and adhesive materials such as various fertilizers, clay, compost, and similar substances. These rollers are constructed with a thick-walled HDPE tube and durable end caps. They feature 2RS-type bearings, which are permanently lubricated for extended service life.

The sealing system comprises a dual-chamber design, topped with a rubber dust cap, ensuring optimal protection and performance. This design delivers a premium-quality solution, particularly in environments where traditional steel rollers may fall short.

KEY FEATURES:

- Impact resistant
- Acid resistant
- Alkali resistant
- Non-corrosive
- Wear resistant
- Lightweight
- Low noise emission
- Minimal material buildup
- Manufactured to high quality standards (ISO 9001 certified)
- Anti-static and food-grade versions available on request

Available Dimensions

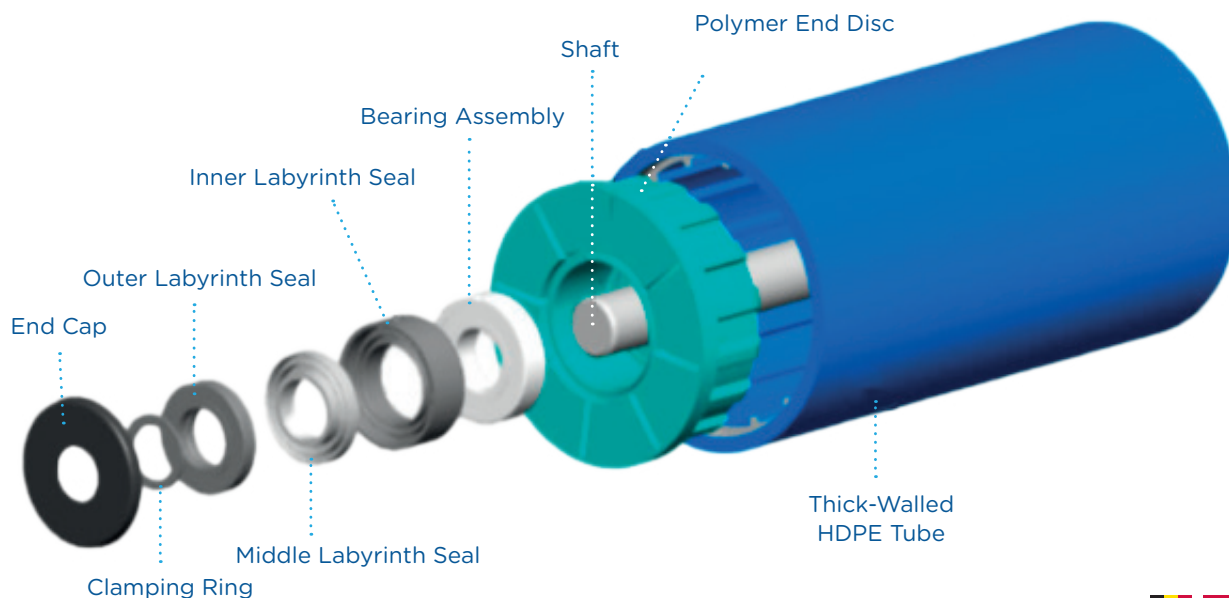
Refer to the tables on the following page.

Custom Configurations

Available upon request.

INDUSTRIES SERVED:

- Fertilizer
- Salt
- Sugar
- Paper
- Chemical (acid/alkali)
- Coal
- Cement
- Concrete
- Limestone



Technical description

HDPE conveyor rollers



STANDARD DIMENSIONS OF HDPE ROLLERS

HDPE TUBE SPECIFICATIONS		SHAFT AND BEARING SPECIFICATIONS					
DIAMETER (MM)	THICKNESS (MM)	ø 20/6204	ø 25/6205	ø 25/6305	ø 30/6206	ø 30/6306	ø 35/6207
89	6,4	✓	✗	✗	✗	✗	✗
102	7,0	✓	✗	✗	✗	✗	✗
108	6,9	✓	✓	✗	✗	✗	✗
114	7,0	✓	✓	✗	✗	✗	✗
127	7,8	✓	✓	✗	✗	✗	✗
133	9,0	✗	✓	✓	✓	✗	✗
152	11,2	✗	✗	✓	✓	✓	✓

COMPARISON WITH STEEL ROLLERS (Based on ASTM Testing Standards)

PROPERTY	HDPE ROLLERS	STEEL ROLLERS	PROPERTY	HDPE ROLLERS	STEEL ROLLERS
Operation Life Test	E	G	Anti-Static	E	E
Dynamic Balancing Test	E	G	Acid Resistance	E	N
Water-Proof Test	E	E	Alkaline Resistance	E	N
Abrasion Resistance Test	G	G	Chemical Resistance	G	G
Dust-Proof Test	E	E	Light-Exposure Resistance Test	G	G
Power Saving Operation	E	N	Ozone Chamber Test	G	G
No Miscellaneous Objects Sticking	E	N	Low Noise Test	E	N
Cold Resistance	G	G	Low Friction Rate	E	N

(E = Excellent G = Good N = Normal)