

PROKOMPOSITE

COMPOSITE ROLLER

TECHNICAL SPECIFICATION

NEPEAN Conveyors | PROK have significant experience in designing conveying solutions that are safe, reliable and enable maximum productivity levels. PROK specialise in products for the future of mining.

PROKOMPOSITE, our latest generation all-composite roller, is a low-weight, low-noise innovation that answers your need for a superior conveyor component.

Our new composite rollers deliver significantly more value than competing steel rollers, from lower cost to corrosion resistance in wet and high-salt environments. They're safer, quieter and more economical.

PROKOMPOSITE rollers:

- Generate more than 50% less noise than traditional steel rollers
- Are up to 55% lighter than traditional steel rollers
- Cost up to 20% less to own due to easier maintenance and lower energy demands

Despite their light weight, our new PROKOMPOSITE rollers deliver durability in demanding medium to heavy duty conveying applications.

Suitable for high speeds and large tonnages, the rollers are available in diameters from 152 millimeters to 178 millimeters with bearing sizes from 6306 up to 6310.

KEY FEATURES AND BENEFITS

Significantly lower weight - enables safer, easier handling and helps reduce the risk of manual handling injuries.

Less noise - the natural dampening effect of the composite material means the rollers will minimise noise emissions.

Strong as steel - PROKOMPOSITE rollers are as strong as comparably-sized steel rollers and can carry the same running loads.

Advanced sealing - PROKOMPOSITE builds on more than 50 years of roller design experience providing a seal that delivers optimal bearing protection with low drag.

High performance end cap - manufactured from a specifically developed composite that is rigid, durable and creep resistant.

Non-rotating end shield - outer shield remains stationary with the roller shaft. If any debris becomes trapped between the frame and the end cap, it will not have any detrimental effect on the sealing system or the roller.



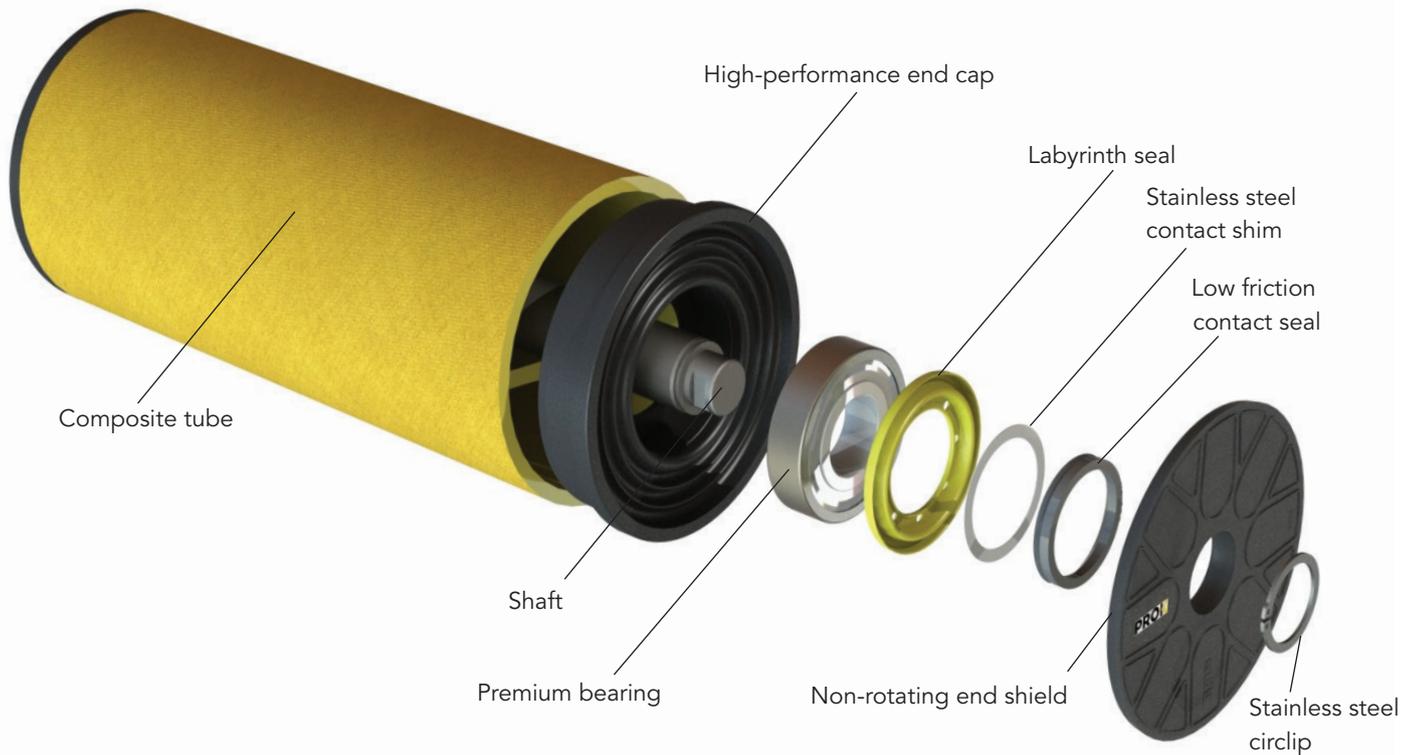
QUALITY CONVEYOR EQUIPMENT

MAIN DATA

Tube diameters	152 mm to 178 mm
Bearing sizes	6306, 6308, 6309, 6310
Seal performance testing	Based on DIN 22112
Shaft sizes	35 mm - 60 mm
Shaft material	SAE 1040 (stainless steel available on request)
Hollow shafts	Available for increased weight reduction up to 60%
CEMA rating	Up to CEMA E8

An alternative option for a roller with a steel tube is available on request.

WALKAROUND



are up to **55%**
lighter than traditional
steel rollers

SAFER

generate more than **50%**
less noise than traditional steel
rollers

QUIETER

cost up to **20%** less
than traditional steel rollers

MORE ECONOMICAL

FOR MORE INFORMATION

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