

HDPE Roller

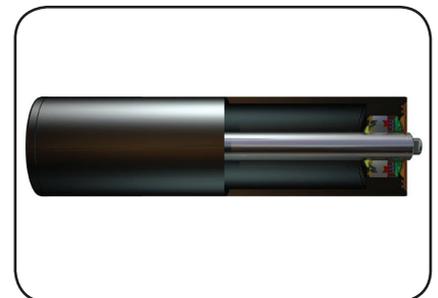
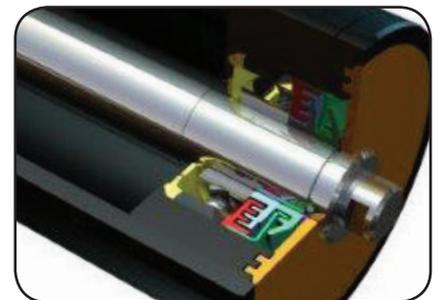
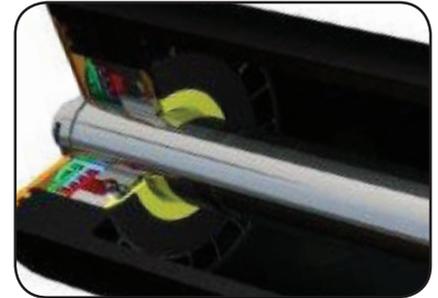
Light weight and belt friendly roller

NEPEAN® Conveyors have significant experience in designing conveyor rollers which meet customer criteria of safety, reliability, low noise output, supreme sealing and bearing life and ensuring maximum optimisation.

NEPEAN Conveyors Glass Reinforced HDPE roller uses a specifically formulated glass reinforced compound to produce a light weight and belt friendly roller capable of heavy duty applications. Its material selection offers a mass reduction of up to 50% compared to a standard steel roller.

Its benefits include minimizing the potential for manual handling injuries from during installation and change outs. Its low total indicated run-out (T.I.R) and low friction seals ensure low break away mass and run resistance during operation. It achieves low operating self-noise output compared to standard steel rollers, ideal for use in noise sensitive environments.

Its engineering design incorporates an anti-jamming end disc, which mitigates roller seizures and improves reliability. It's specifically designed as a belt conveyor friendly roller, not subject to the "pizza cutter" and "potato peeler" effects once the roller has failed in-situ.



"Lower start-up costs on conveyer drives thanks to lighter weight"

BENEFITS:

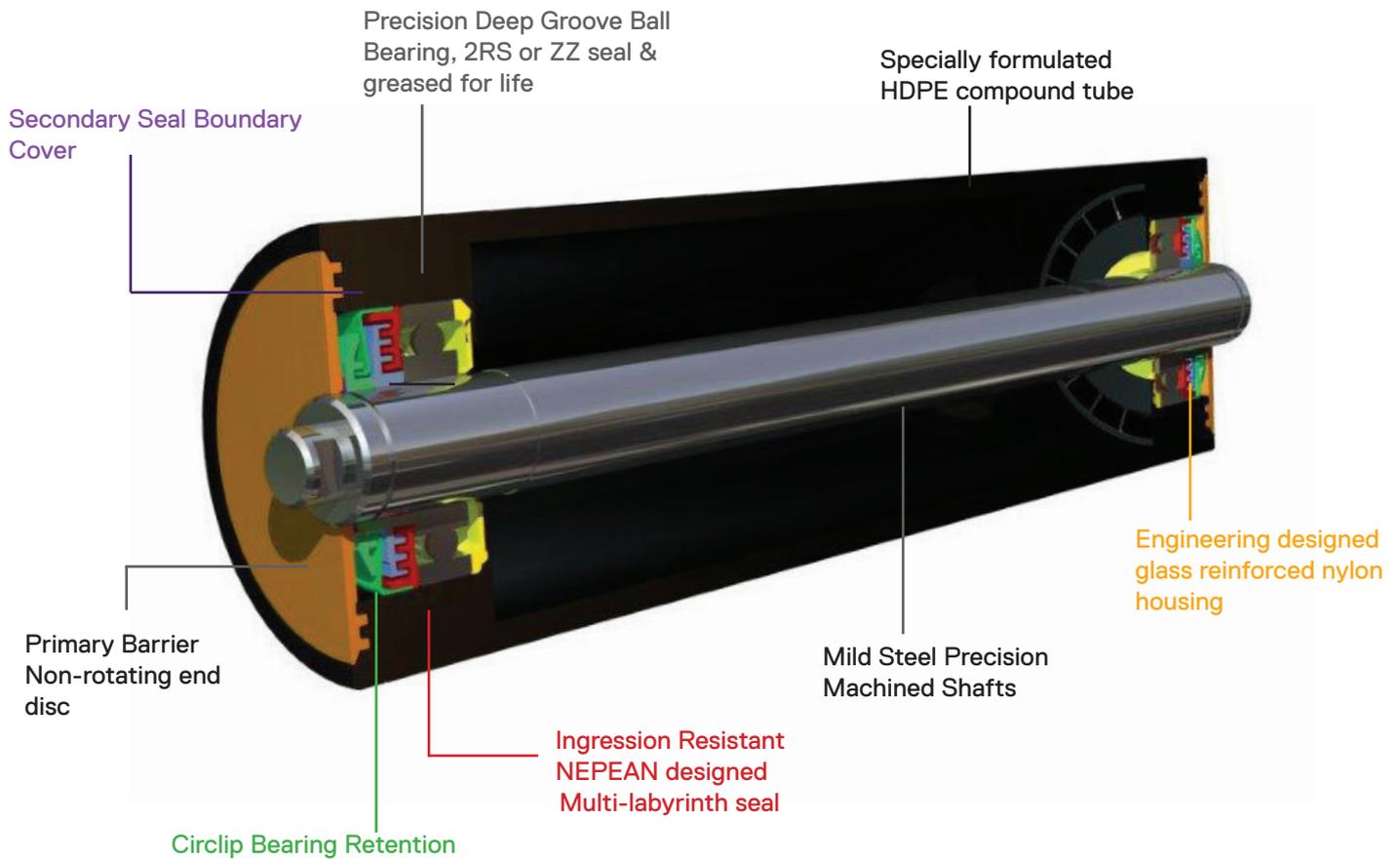
- ◆ **Light weight construction**
- ◆ **High wear resistance shell properties**
- ◆ **Low T.I.R and breakaway mass**
- ◆ **Supreme ingress resistance**
- ◆ **Ideal for any application**
- ◆ **Greased for life roller**
- ◆ **Maintenance free**



SPECIFICATIONS

Description	
Housing	Engineering designed glass reinforced nylon housing with multi-labyrinth grooves for supreme ingress resistance
Shell	Specially formulated glass reinforced HDPE compound tube for conveyor roller applications, with optimum balance of high abrasion resistance and load capacity
Seal	NEPEAN engineering designed multi-labyrinth seal arrangement
Bearing Type	SKF, NSK or customer specified choice

“This composite roller combines the latest polymer technology with smart design to produce a roller with well-rounded strength, performance, and durability”



PROBLEM	RESULT	NEPEAN SOLUTION
Heavy and belt damaging rollers, “pizza cutter” and “potato peeler” effect for steel roller	Damage to conveyor belts, injuries to personnel, high down time, high maintenance cost	NEPEAN Conveyors light weight and belt friendly HDPE roller

For more information:

1800 NEPEAN | www.nepeanconveyors.com

NEPEAN® CONVEYORS ARE AUSTRALIA’S MARKET LEADER

NEPEAN Conveyors operate the most advanced, high tech idler production facility in Australia. We offer complete conveyor system solutions and support services to the mining and resource industries.

NEPEAN Conveyors, internally developed, industry-leading software and extensive manufacturing capabilities have allowed us to provide an extensive portfolio of products and services to independently deliver unique, high quality results. NEPEAN Conveyors offer a one stop conveyor solution.

WITH MORE LOCATIONS, WE’RE NEVER FAR AWAY

We design and manufacture in multiple locations around Australia. We are strategically located close to major mining areas so we can service our coal, iron ore, hard rock and port customers.