

Weigh Roller

Minimal vibration and maximum accuracy

NEPEAN® Conveyors have significant experience in designing conveying solutions that are safe, reliable and enable maximum productivity levels.

NEPEAN Conveyors specialise in products for the future of mining.

Weigh quality rollers are a vital part of the conveyor weigh scales to ensure maximum accuracy and minimum vibration when measuring.

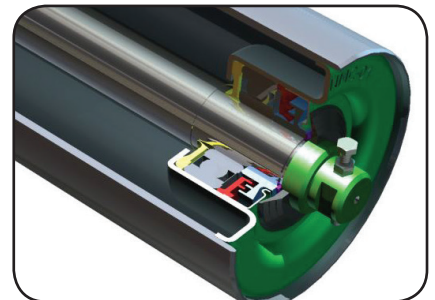
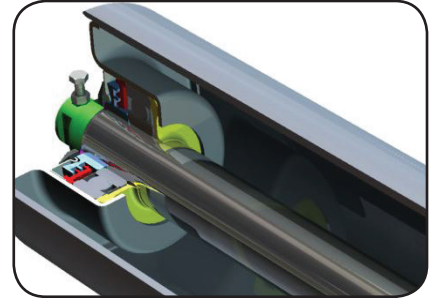
The Weigh rollers are utilised as lead-in and lead-out assemblies to the belt weigh station. These high quality rollers are machined accurately to ensure Total Indicated Runout (TIR) is less than 0.1mm and a Maximum Indicated Slope (MIS) to be no greater than 0.03mm/6° of rotation.

Our in-house dynamic balancing ensures the weigh roller is dynamically balanced to ISO 1940.1 G16 or better if required.

The Weigh rollers precision bored and chamfered tubes are designed to achieve correct housing squareness and all shaft ends are fitted with leveling screws to provide vertical adjustments. In summary, it is a maintenance free, accurate measuring roller.

BENEFITS:

- ♦ **Machined and balanced to ensure superior belt weigh measurability**
- ♦ **Manufactured and processed in-house to ensure the highest quality**
- ♦ **Fitted with leveling screws at each end to provide vertical adjustment**
- ♦ **Low TIR and MIS values to reduce inaccurate measurements**
- ♦ **Wide range of size offerings (diameter and bearings)**
- ♦ **Performance of the highest quality**

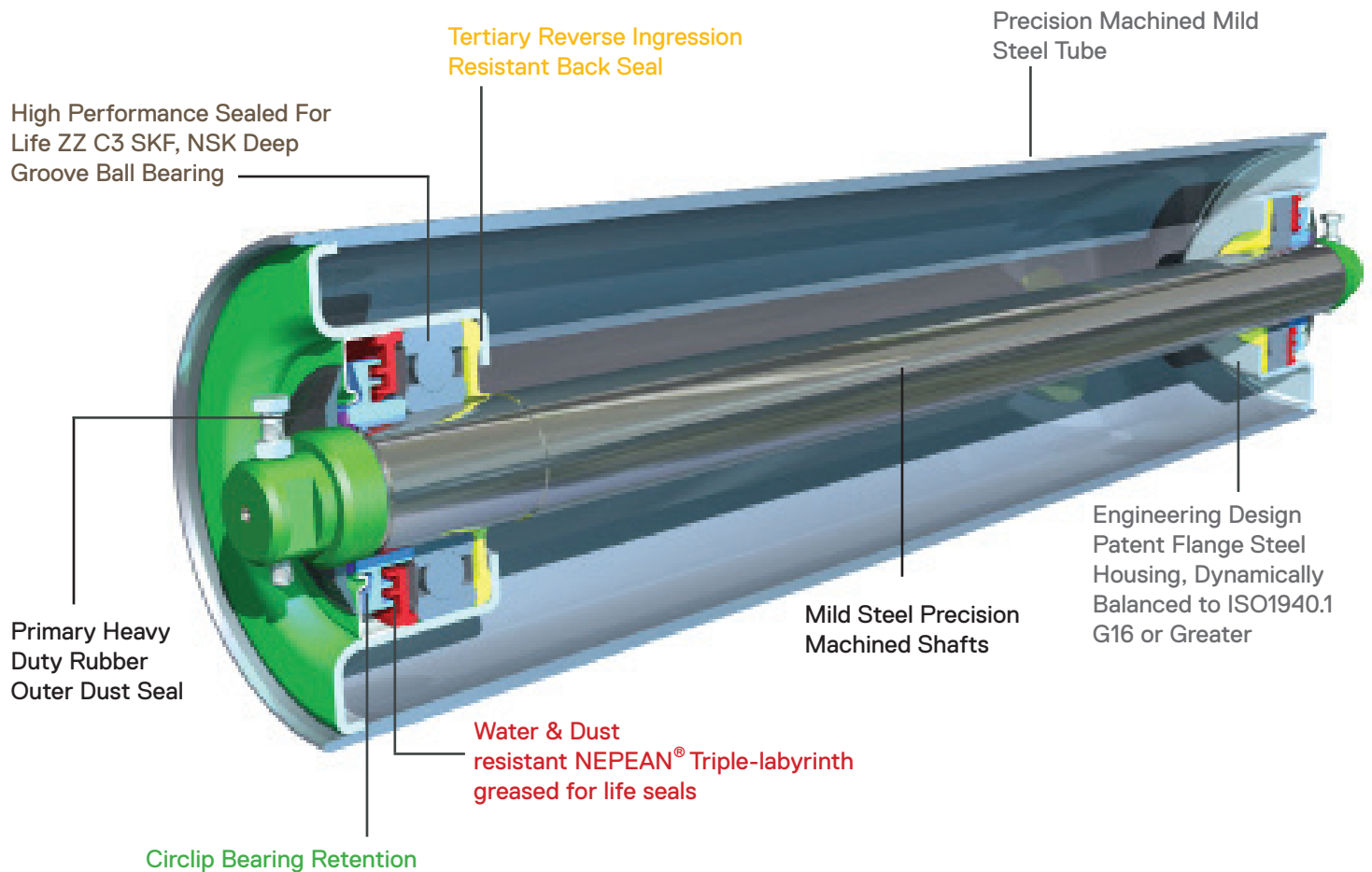


“ Performance of the highest quality”

SPECIFICATIONS

	Description
Housing	NEPEAN designed patented flange housing, dynamically balanced to ISO1940.1 G16 or better
Shell Precision Machined	AS1163 C250-350 gr. to customer's desire
Seal	NEPEAN designed triple-labyrinth seal, greased for life
Bearing Type	SKF, NSK or customer specified choice

“Weigh high quality rollers are a vital part of the conveyor weigh scales to ensure minimal vibration and provide maximum accuracy.”



PROBLEM	RESULT	NEPEAN SOLUTION
Inaccurate belt weighing roller	Inaccurate indicative load belt capacity	Superior designed NEPEAN Conveyor weigh 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.