

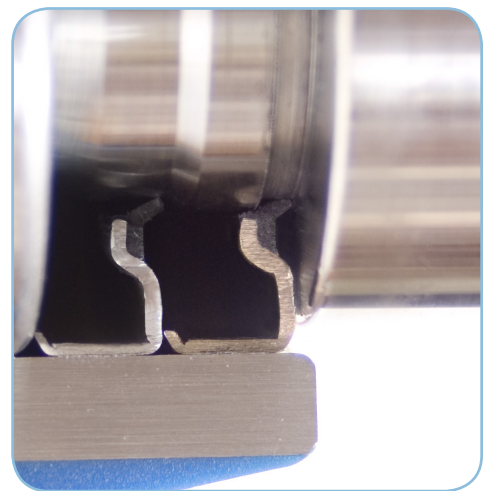
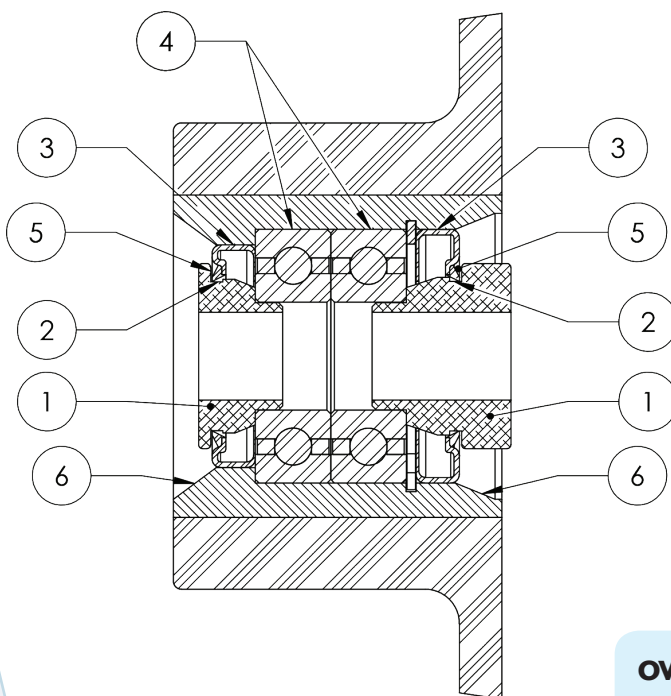
DISCOVER THE DIFFERENCE!

AGRICULTURAL ROLLER SEALING PATENT

Kryptane Systems' patented roller sealing design has been utilized in our heavy duty R-series, RC-series and nose rollers since 2004. This patented design involves both an improved method of bearing sealing and inclined surfaces to shed contaminants away from the rollers which maximizes bearing life.

As can be seen in the figure below, a unique standoff (#1) is manufactured with a groove (#2) designed to accept the elastomeric sealing component of the Seal assembly. This sealing component (#3) helps keep dirt from entering the bearing compartment which in turn helps lengthen the life of the bearings (#4). When dirt does come in contact with the reverse lip (#5) running in the groove, the inboard wall of the groove provides a backstop for the seal which assures that any dirt which does find its way into the grooved cavity helps tighten the sealing lip against the standoff, producing an even tighter seal. The reverse tapered hub (#6) sheds dirt away from this interface by allowing gravity to assist with the elimination of any contaminants.

This unique combination of components is what sets our rollers apart from the competition in both performance and roller life.



OVERVIEW

- Bearing protection is provided by a unique seal that offers maximum protection in the harsh operating environment
- Nose rollers also come with a watertight plug
- Bearing system has 6204-2RS double-lip sealed bearings and is packed with food-grade grease
- Polyurethane R series, RC series and nose rollers are manufactured to our exacting specifications
- Patents 6,746,387 & 7,201,713



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