

Features	Advantage	Benefit
External stone guard	Protection of the sealing system from stones falling against roller sides	No risk of premature roller damages
Lip V-ring rubber seal	Effective hermetic sealing system	Excellent roller performance
Axial soft seal V-lip with large contact surface	Sealing system with much longer life Lower starting and rotational resistance	Longer roller life; Lower power consumption to drive the conveyor; No risk of fast shell wear and tear
Unique Bearing Housing Shape	Self-cleaning - centrifugal seal chamber (discharging water and dust)	Longer bearing and roller life
Bearing in C3 tolerance	Increased play to better withstand shaft deflection	Better roller performance with high loads
Customized roll adaptors	Production of rollers which can fit in any frame	Interchangeability
First quality hard nylon PA 6 for labyrinth	No axial play coming with work under axial forces	Rollers maintaining better hermeticity and no vibration

Tube/housings welding through patented system "uni-block"	Tube/housings to form very strong structure, ensuring excellent eccentricity, balance and hermeticity (compared to rollers with swaged tubes)	No welding breaking; No problem for high speed belts
Precision welding tube/bearing housings	Avoiding damages to belt	Less belt maintenance required
Automatic assembly	Manufacturing precision and ability to test the eccentricity and rotational resistance of 100% of the rollers produced	Totally safe and controlled roller ensuring maximum reliability and constant quality
Bearing housings wall thickness proportioned to the shaft dia. and bearing size	Higher roller load capacity	No need for oversized rollers, ensuring better prices
Cold pressed calibrated housings Tol. ISO M7 and Ground shaft ends ISO h6	Optimum assembly of the bearing, excellent auto-alignment of bearing components and perfect coupling between shaft and bearing	No friction inside the bearing, better bearing performance and life
Inner seal ring	Bearing protection from inner condensation and rust plus larger grease area reservoir	Longer lasting bearing and roller life
Larger grease area	Better bearing lubrication	No need for regreasing and bearing replacement

Thicker shell according to the diameter (compared to other manufacturers)	Stronger shell	Longer lasting shell and roller
Minimum 30.000 theoretical bearing life and over, according to the real load	Roller longer life	No need for early roller replacement; Lower spare part costs per year
Strict and precise assembly tolerances and low-noise quality bearings (anerometer checks)	Lower eccentricity and unbalancing during the rotation of the roller, causing less vibrations	Lower rollers working noise; More silent conveyor
Manufacture ability to comply with different international standards (DIN-AFNOR-JIS-CEMA-FEM)	Very wide production range	Ability to supply rollers to every market worldwide
Special patented sealing system configuration and bearing grease lubrication	No pumping effect	Good performance at a high temperature difference between night and day

illustration : how a standard PSV roller looks like, after more than 12 years exploitation (more than 100 000 working hours) positioned at an inflection point



-> standard PSV roller positioned at an inflection point on a conveyor after 12 years of exploitation  
(more than 94 000 working hours)

-> project work life of PSV roller is 30 000 working hours



notice : the roller has been replaced in april 2014