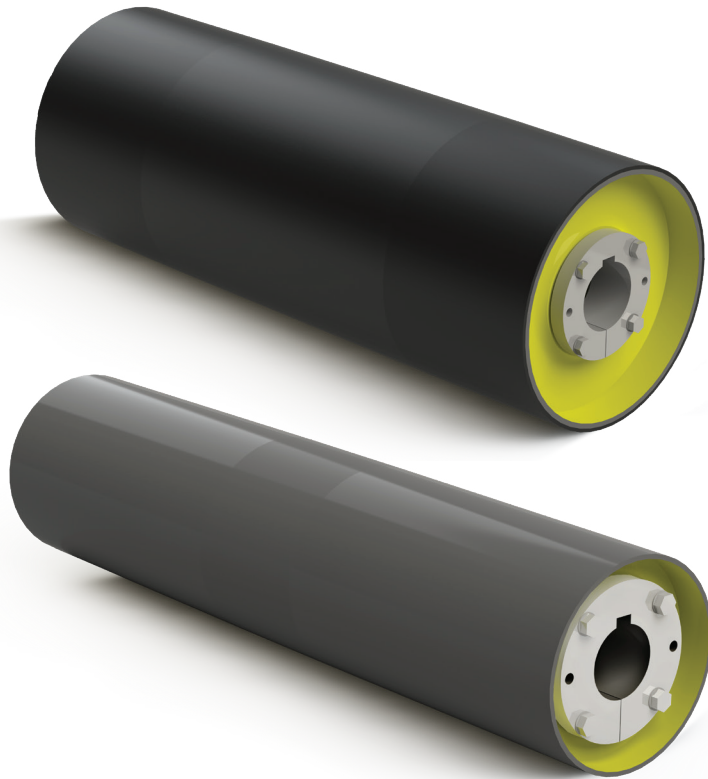


FEATURES & BENEFITS

# UNIT HANDLING COMPONENTS



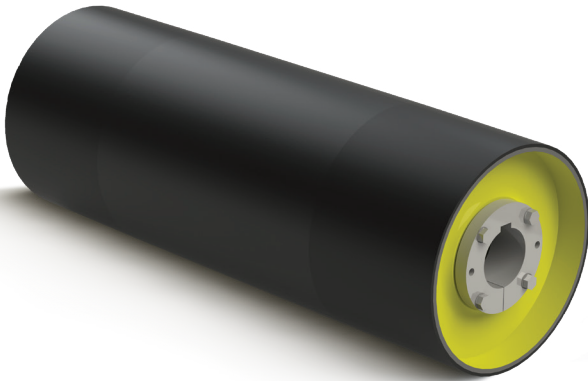
In this fast-paced environment, it is vital to have conveyor components that can keep up. High-speed conveyors and advanced scanning equipment require smooth, consistent and reliable performance. That is exactly what PPI rollers and pulleys deliver.

Our commitment goes beyond the product. When you buy PPI, you can also count on a robust team of Field Technical Engineers available worldwide to give you the confidence of having the PPI team working side by side with you. We supply components that will perform, and an entire team of experts ready to support your productivity goals from beginning to end.

PPI has what it takes to keep your operation running. WE KEEP IT MOVING®

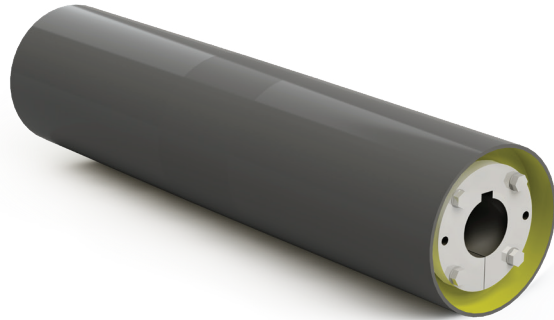
# PULLEYS

Small diameter pulleys and rollers used in lightweight belt applications typically have a diameter range of 2" through 12", although smaller or larger diameters are occasionally required. PPI has the capabilities to engineer and manufacture components tailored to your needs.



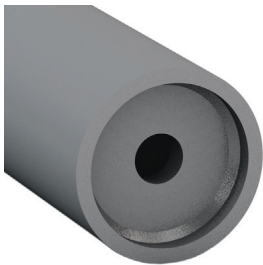
## HEAVY WALL PULLEY

- Tube or pipe
- 1/4" thick rim or greater
- Thick enough for rim machining
- Available in crown or flat face



## GAUGE WALL PULLEY

- Thin wall tubing/pipe
- Seven gauge rim thickness or below
- Rim not machinable due to material thickness
- Available in crown or flat face



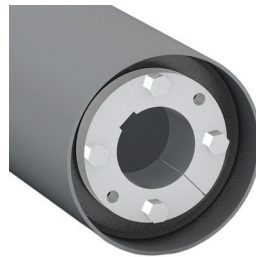
## WELD-IN

End discs are bored to allow for the customer to weld-in a through shaft.



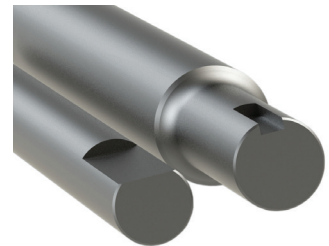
## FIXED BORE

Removable shaft extends through the pulley and is held in place with set screws and driven through a keyway.



## ADAPTER TYPE

A compression style hub with a through shaft is affixed by use of a tapered bushing. XT®, QD® and TaperLock® styles are available.

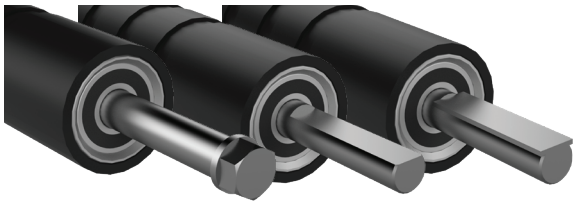


## SHAFTING

PPI conveyor pulley shafting is a vital part of the total pulley assembly. Our experienced machine shop can key and journal shafting to meet nearly any specification.

## LOW NOISE ROLLERS

High speed (>500fpm) unit conveyors have been known to exhibit a high pitched, 100+db, sound emitting from the carry rollers. PPI has developed a solution with the capability of drastic noise reduction.

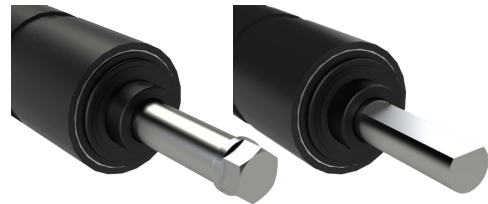


### Rubber Lagged Aluminum Tube

- Aluminum tube
- Deep groove ball bearings
- 50% lower weight than standard carry roller assembly
- Drop-in equivalent to all common 2.125" carry rollers (with slight installation modification)

### FEATURES AND BENEFITS:

- 15db noise reduction
- Wide concentric grooves
- Promote airflow between roller and belt
- Machined for low TIR
- PVC/phthalate resistant, 85 duro, neoprene lagging



### Rubber Lagged Steel Tube

- Steel tube
- ER bearings
- Nearly a drop-in equivalent to all common 2.125" carry rollers (2.375" diameter)

## TIGHT TRANSFER ROLL (TTR)

Designed for high load unit handling applications, the TTR utilizes a patented cartridge design to maximize the load capacity while minimizing diameter. The 2.25" roller diameter is ideal for conveying applications requiring minimum gap to reduce package movement on belts operating in excess of 540 feet per minute. The TTR roller has been shown to provide longer bearing life than through-shaft ball and spherical roller bearing designs.

### FEATURES AND BENEFITS:

- 2.25" edge crown tube
- Low TIR (total indicator run out)
- 1/2-13 UNC bolt attachment point
- 1-1/8" Hexagonal shaft end for easy bolt tightening
- Sealed for life



## STATIC END ROLLER TUBE

- Static end design eliminates pinch points between the belt and roller
- Spherical roller or ball bearings do not require re-lubing
- Bolts onto many present systems with mounting brackets
- Many shaft end details available, contact your PPI representative for more information
- Tube can be machined to stringent tolerances minimizing run out

# LAGGING & KNURLING OPTIONS

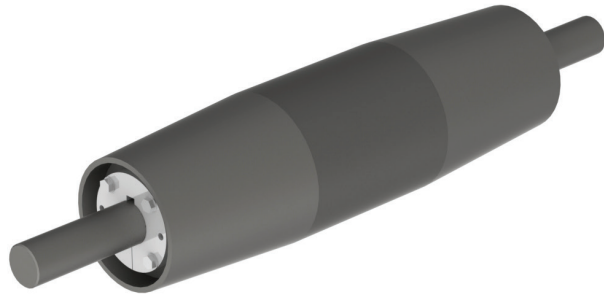
## V-GROOVE PULLEY

For applications where belt tracking requires a V-guide in the surface of the pulley, use a PPI V-groove pulley. Available in all hub types.

STEEL



LAGGING



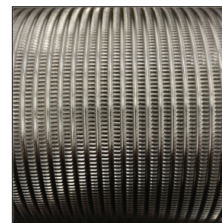
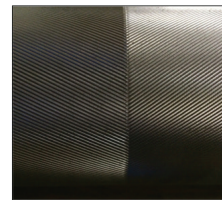
**EDGE OR END CROWN** – This is a partial crown, commonly used on machined faced tube pulleys, where the pulley crown is machined only on the edges at the standard crown rate. The center of the pulley is left unmachined.

**TRAP OR TRAPEZOIDAL CROWN**– This is a partial crown, used when specified on tube pulleys. For a trap crown the entire face of the pulley is machined for better TIR throughout before crowning the ends at the standard crown rate.

**LAGGING & KNURLING** – Many options exist when it comes to the belt contact surface. These are generally intended to increase the traction between the pulley and belt or to extend the life of the pulley.

Lagging is common and the choices are numerous. Materials such as SBR, neoprene, urethane, nitrile and EPDM may be selected to best meet specific chemical or environmental challenges encountered.

PPI can perform knurling in a multitude of designs and depths to give the level of belt engagement desired, from mild to aggressive.



# BEARINGS & CUSTOM PRODUCTS

## BEARINGS

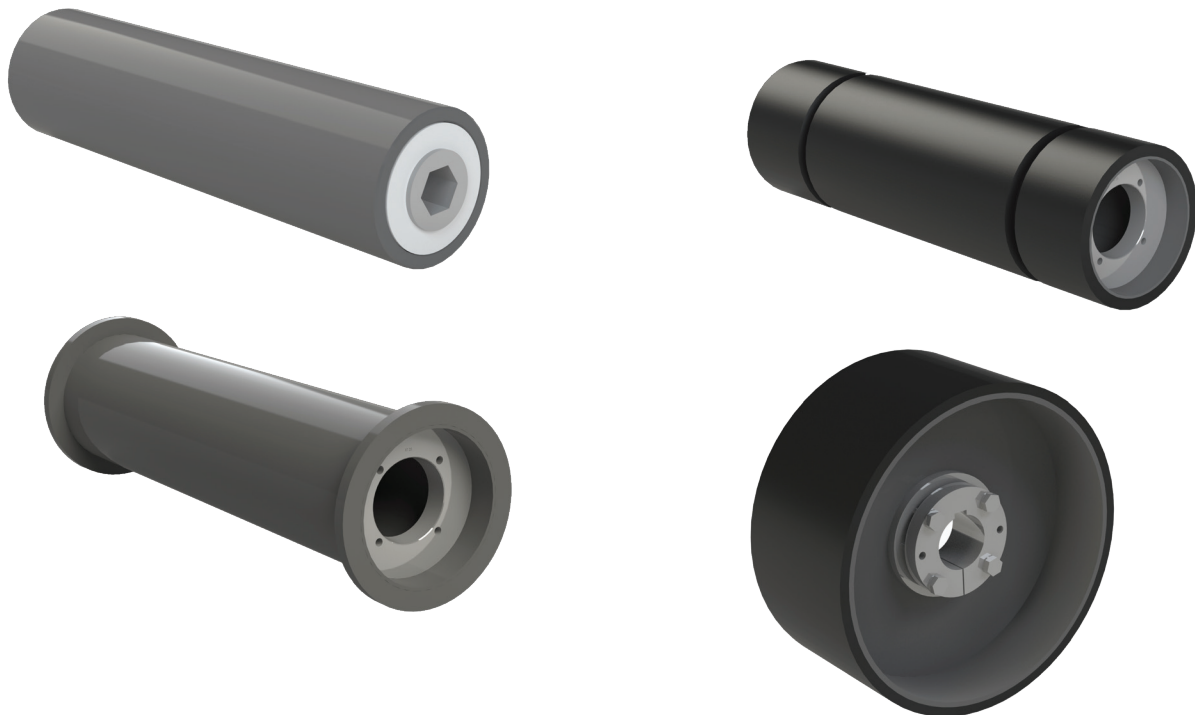


## CUSTOM PRODUCTS

PPI has over 40 years of pulley manufacturing experience. Custom built pulley products have always been an important part of our business and will continue to be in the future.

PPI welcomes inquiries for unusual designs and features. We will do our best to meet your needs either through a custom built product or by possibly introducing you to a current product that can perform the desired function.

Contact your local PPI representative for more information.





**[WWW.PPI-GLOBAL.COM](http://WWW.PPI-GLOBAL.COM) | [SALES@PPI-GLOBAL.COM](mailto:SALES@PPI-GLOBAL.COM)**

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