

Ralphs-Pugh Co.



Wow...



I Didn't Know You Did All That!

Ralphs-Pugh Co.

The Ralphs-Pugh Company has been keeping industry on the move for over 50 years. We are an innovative supplier that distinguishes itself by providing quality products, competitive prices, and the best customer support in the business. When you or your customers need conveyor rollers or components, Ralphs-Pugh is a wise choice.

Manufactured Products / Services

Ralphs-Pugh offers a full line of metal and plastic rollers, troughers, and component parts.

Metal Rollers are available in aluminum, carbon steel, galvanized steel, and stainless steel.

Plastic Rollers are made from specially formulated Hi-Impact PVC with UV stabilizers.

For specialized applications, Urethane, PVC, and High Density Polyethylene (HDPE) covers with steel reinforcement are available.

Options include sprockets and grooves for powered systems, urethane tapered rollers, and directional rollers.

Roller Shafts are available in various configurations, with numerous bearing styles to match specific applications and operating environments to optimize conveyor performance.

Components include bushing / end plug inserts and commercial and precision bearing inserts for metal and plastic tubing.

Trougher Units are available in 2 and 3 roll configurations, along with 1 roll returns, made in PVC, Galvanized Steel, and Stainless Steel materials.

Primary Markets Served

Ralphs-Pugh provides rollers for a wide range of market segments. Key markets served include:

- agriculture
- chemical
- unit handling
- bulk handling
- food and beverage
- distribution / logistics centers
- printing and publishing
- manufacturing

Conveyor Noise Problems?

The Quiet Roller

The Quiet Roller

Precision bearings and our 7/16" hex Urethane Shaft Adapter over an internal 5/16" hex steel shaft

- Yields recorded noise reductions of up to 20 dB
- Eliminates metal shaft to metal frame contact
- Stops conveyor frame wear
- Extends system life

LISTEN TO THE DIFFERENCE

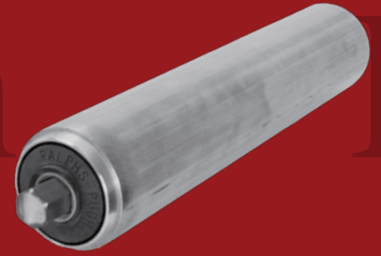
Contact us for a demonstration
to hear the difference for
yourself



* Roller load capacity varies based on length of roller & bearing, and isn't applicable for heavy loads. Please inquire with customer service.

Metal Rollers

Ralphs-Pugh Metal Rollers are available in a wide range of bearings, shaft, and tube materials. We manufacture conveyor rollers for gravity and powered applications. Drive options include grooves and sprockets.



Urethane Tapered Rollers

Ralphs-Pugh urethane tapered rollers are recommended for continuous and intermittent gravity or powered turns. Our tapered rollers are manufactured to standard turn radius designs or custom turn radius designs offering a "True Taper". True tapers eliminate the need for sideboards resulting in directionally stable package handling. Urethane offers a variety of advantages versus steel shells including shock and impact resistance, positive drive, non-marking surface, and superior cut, tear, and wear resistance.



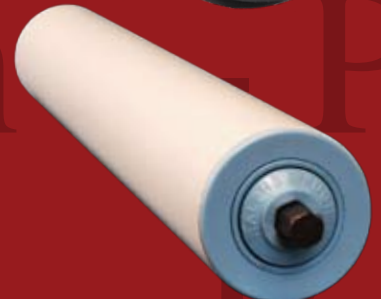
Urethane Sleeved Rollers

Ralphs-Pugh urethane sleeved rollers are available in two styles, cast or an extruded sleeve. Cast urethane is molded directly onto the tube, preventing the sleeve from "walking". Extruded sleeves are glued using special adhesives. Urethane offers a variety of advantages over a standard steel tube including shock and impact resistance, noise reduction, positive drive, non-marking surface, and superior cut, tear, and wear resistance. Our new CleanGrip extruded sleeve offers anti-stick features, greatly reducing maintenance in keeping rollers free of labels and residue.



Plastic Rollers

Ralphs-Pugh plastic rollers are available in several combinations of bearings, shaft and tube materials for gravity and powered applications. R-P plastic rollers are made from Hi-Impact PVC with UV Stabilizers.



Tube Information:

Tube Materials: Hi-Impact resistant PVC with special UV stabilizers. Dark gray available in 1.90".

Tube Drive Options: Grooves

Tube Cover Options: Urethane sleeves, HDPE and Steel Reinforced PVC



Troughing and Return Carrier Units

Ralphs-Pugh troughing units are available in both 2 roll (V-trough) and 3 roll configurations. Return carriers are 1 roll configuration. They are designed for the continuous bulk conveying of food products, feed, grain, meat, chemicals, corrosive substances, and other materials. Ideal for replacement of fluming, hinge wall belting, and conveyors with side boards. Engineered frames provide durability and strength while the high quality rollers result in low maintenance. These units are rated for light to moderate loads with speeds up to 300 FPM. All units are easy to install, easy to clean and low maintenance. Replacement kits and repair kits are readily available.

- Two & Three Roll Troughers
- Single Roller Returns
- Light to Medium Duty
- PVC - 1.90", 2.38" & 2.88" Dia.
- Galvanized or Stainless Steel - 1.90" & 2.50" Dia.



- Painted Carbon Steel or Stainless Steel Frames
- FDA Approved Materials Available
- Bearing Options: Journal, ABEC-1 Precision & Stainless Steel
- Custom Manufacturing Available

Conveyor Roller & Component Specialists for over 70 years

Bearings and Bushings

Ralphs-Pugh offers a wide selection of bearings and bushings to match the user's conveyor roller requirements. Our offering includes commercial grade and ABEC-1 precision bearings. Commercial grade bearings are recommended for slower speeds and light to moderate roller loads. ABEC-1 precision bearings are the best choice for higher speeds. Bearing housings are available with labyrinth seals for applications demanding the ultimate protection against contamination or without the seals where contamination is not a factor. Bushings are non-ball bearing components designed for slow speed, light to medium loads. Please contact our experienced customer service department for help in determining the bearing or bushing type that will best meet your requirements.



Roller Component Parts

Ralphs-Pugh roller components are custom molded and fabricated at our facility to insure the highest quality possible. With complete control of design and a long-term commitment to the material handling industry, these products will enhance your roller performance. All materials are FDA approved to meet today's stringent requirements. Unique two-piece bushing / endplug combinations allow for economical replacement of bushings only rather than the entire endplug. We will custom manufacture for special requirements.



Bushings

Materials:

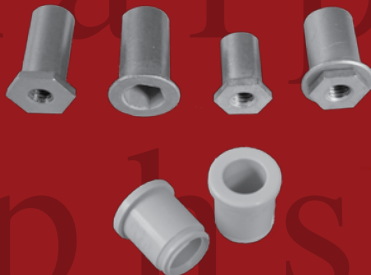
- Acetal plastic - "Ultra Blue" Acetal plastic with Teflon additives (Our best material)
- Acetal plastic - Light blue color - Standard
- Ultra High Molecular Weight plastic - UHMW

Styles Available:

- Standard Duty - Thru hole and blind hole - 1/4" to 1/2" bores
- Heavy Duty - Thru hole and blind hole - 1/4" to 3/4" bores
- Heavy Duty Grading and Inspection (GIR) - Blind hole - 7/16" to 3/4" bores

Features:

- Self lubricating
- Replaceable
- Lead chamfer for easy installation



Plastic Tubing

Materials:

- "High Impact" PVC with Impact modifiers for added shock resistance
- Special Ultra Violet (UV) stabilizers
OD sizes: 1.90", 2.38", 2.88"
- Dark gray PVC - 1.90" OD only

Endplugs

Metal Tube Diameters:

- 1" to 3.5"

Plastic Tubes:

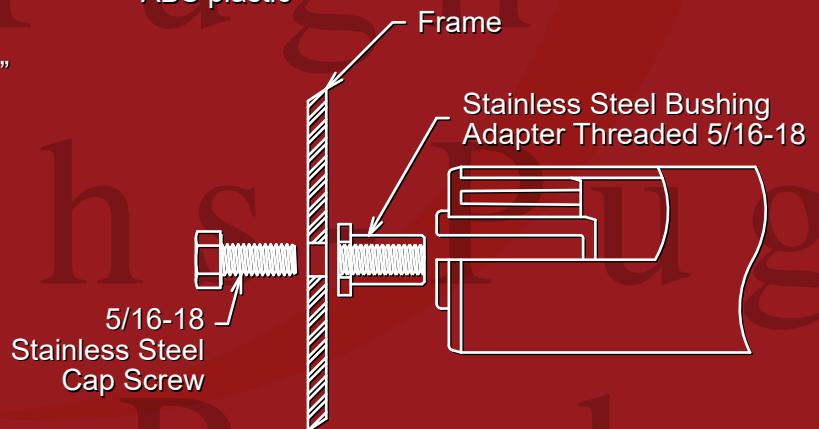
- 1.31" to 4.5"

Materials:

- ABS plastic

Features:

- Lead chamfer for easy installation
- Tight tolerances assuring proper fit
- Assured concentricity for true running rollers



Hardware

Bushing Adapters (1/2", 9/16", and 5/8") and Cap Screws (5/16-18 x 3/4" long)

- Highest quality stainless steel for long life and exceptional corrosion resistance
- FDA approved materials for food industry

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Rollers to Accommodate Poly V Belts



Cost Savings / Performance Features:

Due to increased drive of Poly V Belts, one 1.90" motorized roller can drive up to 40 slave rollers depending on specific application criteria.

Poly V belts do not "slip" like standard urethane "O" rings or lag when stopping and starting like chain driven systems.

2.50" series can be used in place of standard sprocket / gear box / chain configurations and offer tighter roller centers, reduced noise levels and can be used in Robotic picking stations due to the precision of electronic stopping and starting.



Other Products Manufactured By Ralphs-Pugh



Drive Rollers



Sprocket Rollers



Grooved Rollers



Reduced Hub Sprocket



Custom Shaft & Urethane Configurations



Troughers & Return Carrier Units



Ralphs-Pugh CNC Machining Capabilities

In-house CNC vertical mills and lathes coupled with experienced operators allows Ralphs-Pugh to offer precision tolerances along with quick setup and turn-around times on complex parts for your conveying component requirements. We offer "engineered solutions" to your specific needs including rapid prototyping for first article acceptance.

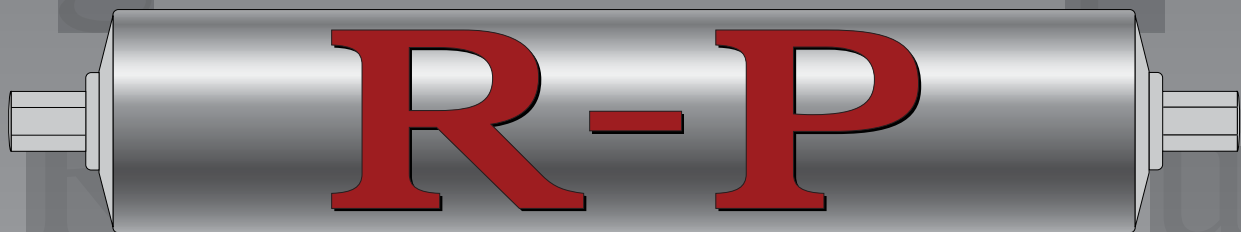
CNC machined materials include plastics, carbon steel, stainless steel and aluminum from bar stock, tube and rod.

Our heavy duty ABEC-1 precision ball bearings insert line includes fully CNC machined carbon steel or stainless steel housings to accommodate the severe loads of belt wrap rollers, tension rollers and sprocketed rollers.





Ralphs-Pugh Co.



CONVEYOR ROLLER SPECIALISTS

1912

Celebrating 110 Years in Business

2022

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