

Bartlett-Snow™

Replacement Parts and Service

Our Philosophy - the Right Part, Delivered On-Time...

Raymond Operations has the solution for all your Bartlett-Snow™ replacement part needs. You will have fewer problems, less downtime, and higher productivity when staying with the OEM.

OEM Reliability

We keep up to date and accurate records of the equipment we have supplied. Our Bartlett-Snow™ replacement parts are manufactured to the identical standards as the original parts by utilizing the same drawings and specifications. These drawings specify the exact metallurgical compositions, fit tolerances, lubrication requirements, and many other critical details for the manufacture of a quality replacement part.

Bartlett-Snow™ Replacement Parts

Provided for the typical wear parts listed below, but can also be supplied for rotary equipment manufactured by others, when applicable.

Customer service is our top priority and we are committed to ship quality parts on time, every time.

Cylinders

Bartlett-Snow™ is the source for replacement cylinders fabricated from basic carbon steel through exotic high temperature and corrosion resistant alloys. The cylinders can be manufactured by use of rolled plate, molds for centrifugal and static castings, or dies for hot isostatically pressed extrusions.

Replacement cylinders and cylinder sections are supplied for units due to general wear, process application changes requiring higher temperature or more corrosive duty conditions, or upset condition failures.



Replacement Cylinder

Riding Rings

Riding ring replacements of forged high carbon steel alloy are provided with straight or taper sided configurations.

At the time of riding ring replacement, it is also recommended that mounting hardware, consisting of the wedges, pads, or chairs be replaced in order to ensure the riding rings are properly mounted and run true with respect to each other.

Girt Gears, Girt Sprockets & Pinions

Girt gear replacements are provided in forged or cast high carbon steel alloys, one piece or split, with surface or through hardening as required. The drive pinion should also be changed to provide for proper meshing between the girt gear and pinion. For chain drive units, girt sprockets are manufactured from carbon steel plate and in split construction.

Replacement mounting hardware consisting of chairs, tangential mounts or hubs is provided so that a girt gear or girt sprocket gets appropriately mounted to the cylinder.

For increased performance, upgraded gear or chain drive retrofit packages can also be provided.

Trunnion Rolls, Shafts & Bearings

Replacement trunnion rolls are manufactured from forged high carbon steel alloys with heat treated tread surfaces. The completely machined trunnion rolls are shrunk-fit onto shafts that are fully machined and provided in high strength carbon steel alloys. Trunnion roll and shaft assemblies can be provided for existing units requiring either roller bearings or bronze bushings.

Trunnion roll replacements can be provided with straight faces to be used in conjunction with thrust rolls or they can be provided with flanges for units not featuring thrust rolls. For longer trunnion roll and riding ring life considerations, retrofit packages can be provided to convert units with flanged trunnion rolls over to straight faced trunnions and thrust rolls.



Replacement trunnion base assembly

Thrust Rolls, Shafts & Bearings

Replacement straight or tapered sided thrust rolls are supplied in forged high carbon steel alloys with heat treated tread surfaces. The thrust rolls can be provided for units requiring either roller bearings or bronze bushings.



**Air Preheater Company
Raymond Operations**

Rotary Seal Components

There are four types of seals used on Bartlett-Snow™ rotary equipment; angle, iris, flex, and bellow seals. For less maintenance, longer life and increased performance considerations, retrofit packages can also be provided for seal design upgrades.

Angle seals are the most basic of the rotary seal designs and are essentially a non contact labyrinth type for use on medium to high leakage applications. Replaceable seal segments can be supplied in ceramic, teflon and rubber materials.

Iris seals consist of flexible overlapping segments and provide a more positive seal for medium to low leakage applications. Replaceable seal segments can be supplied in appropriate metallic materials.

Flex seals are a face contact seal and provide a more positive seal for use on low leakage applications. Replaceable flex elements can be supplied in various non-metallic materials, with the replaceable floating seal rings in metallic, teflon and graphite materials.

Bellows seals are the most positive face contact type of seal and are utilized on gas tight applications. Replaceable bellows can be supplied in various metallic materials, with the replaceable floating seal rings in metallic, teflon and graphite materials.



Bellows seal assembly



Replacement cylinder with riding rings and girth gear

Quality

We are committed to producing quality replacement parts and to provide for such, our shops employ the Six Sigma Quality Improvement Process recognized by businesses worldwide. This extensive and on-going commitment to quality by all employees encourages new ideas and methods to provide for excellence in products and services.

Our Concordia, Kansas shop is equipped with modern manufacturing resource planning systems, production equipment, and quality assurance techniques supporting fabrication, welding, machining, assembly, and testing.

Service, Maintenance & Equipment Inspections

Raymond Operations' staff of service engineers and technicians are available for initial equipment start-up, maintenance, emergency repairs, problem diagnosis and inspections. They can assist in resolving operational and performance issues to ensure proper operation of the equipment.

Seminars

Conducted at your facility by experienced Raymond engineers and service technicians, these seminars can be extremely beneficial in aiding plant personnel to operate equipment more effectively thus reducing costs and downtime.

Equipment Rebuilding/Refurbishing

Bartlett-Snow™ products are designed and manufactured to deliver years of reliable service, but parts are inevitably subject to wear and damage even with the best preventative maintenance programs. By rebuilding existing units with dependable and original replacement parts, they can be economically brought up to the standards nearing those of newly manufactured equipment. Depending on the extent and nature of equipment refurbishment, the work can be done at the customer plant site or at our manufacturing facilities.

Parts & Control System Upgrades

We have also developed improvements and upgrades for our rotary equipment that can be retrofitted to existing units. These improvements cover both mechanical components as well as control system upgrades.

Customer Communications

We believe that it is essential to stay in touch with our customers. We publish *Tech Talk* to keep you informed about our equipment, services, new innovations, and to answer questions about proper operating and maintenance considerations.

For all your replacement part needs contact your Raymond Operations' maintenance sales representative for further information.

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