

Rexnord® Conveying Equipment

Bulk Material Conveying



- Apron Feeders and Conveyors
- Mill Duty Bucket Elevators
- High Center Belt Elevators
- AFT™ Clinker Handling Conveyors
- Drag and Flight Conveyors



Rexnord Conveying Equipment

Innovations in Materials and Processes

From mill duty bucket elevators to innovative solutions in clinker handling, Rexnord engineers are continually evaluating new processes and materials in an effort to improve both current products and techniques. Whatever your material handling requirements, you can be sure Rexnord has the experience and the applications expertise to put our proven products to work for you.

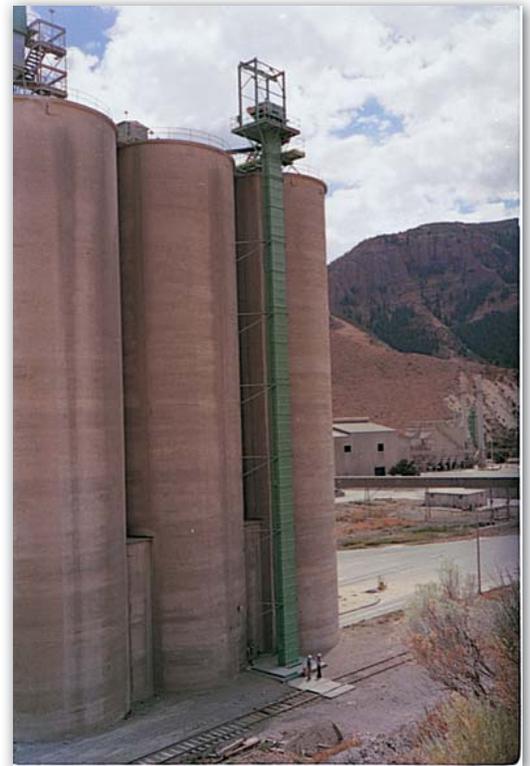
Single Source Service for Product and Engineering

All key components in our elevators and conveyors--buckets, chains, bearings, drives and sprockets--are manufactured by Rexnord. You are assured that all components are manufactured to the highest quality standards in the industry.

Plus all of your material handling needs, from system design to component manufacture can be handled from a single manufacturing source - Rexnord.

Rexnord Installation Available

Rexnord field service personnel can provide installation and start-up assistance. Or, if you prefer, Rexnord will provide a complete service, including installation, start-up and training of your personnel.



Rexnord Conveying Equipment Value Proposition

Customer Service

Complete Engineered System Solutions

- Customer focus value streams
- Responsiveness
- Technical assistance and support
- Conveyor and Elevator System Solutions
- Retrofits of existing installations (quality, productivity, capacity)
- Solutions yield larger capacities, fewer components and longer wear life and maintenance intervals, resulting in a lower total cost of ownership

Heavy Duty Apron Feeders & Conveyors

- Frame Roller and Outboard Roller Arrangements
- Custom Designed for the Application
- Heavy Duty Style “A” Pan Construction
- Offset Sidebar Chain
- Several Outboard Roller Styles Available
- Engineered for Long Life and Easy Maintenance
- Adequately Reinforced to Withstand Impact Due to Loading
- Segmental Rim Sprockets Available
- Special Take-Up Arrangements Available



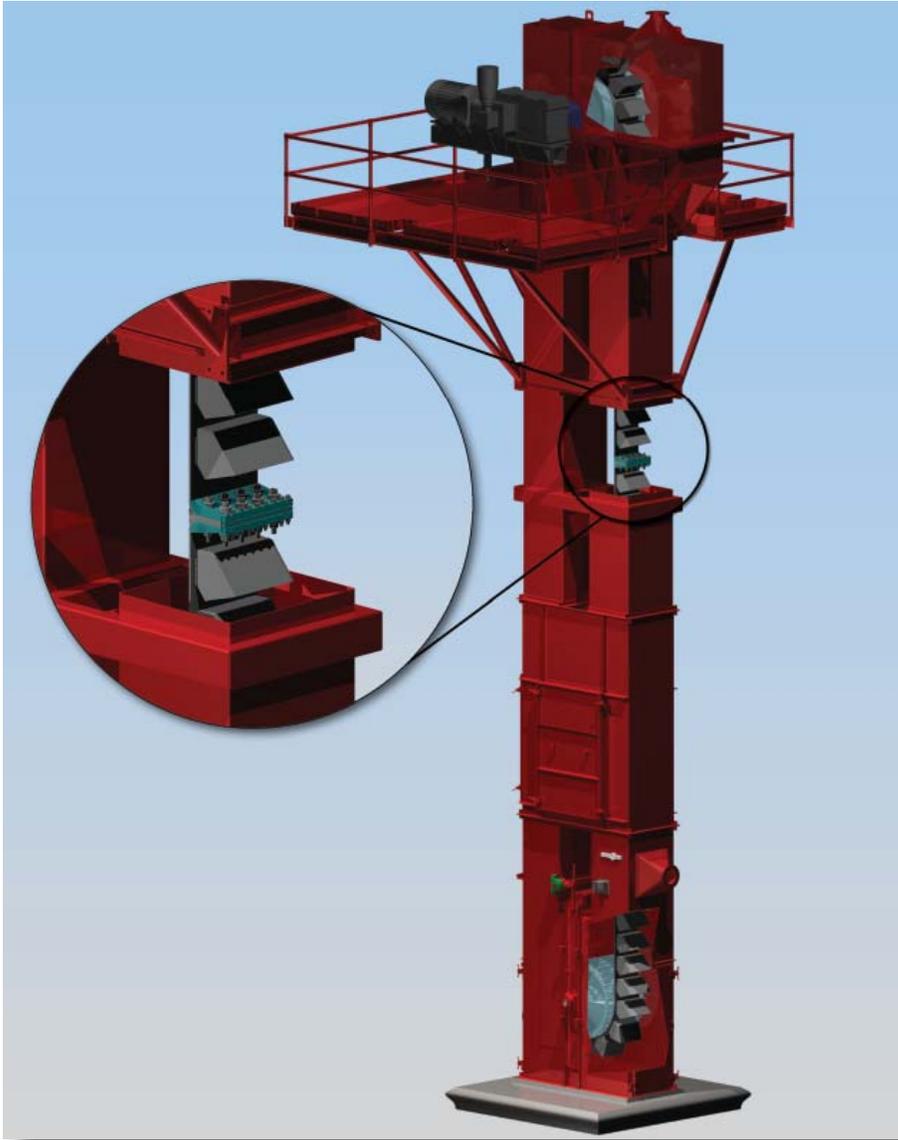
Quality and Reliability

Replacement Product Stocking Availability

After Sale Customer Support

- Unmatched superior quality
- Six Sigma quality standards
- Kaizen methodology and lean tools drive process improvements
- Warehousing (Milwaukee, Chicago, LA, Atlanta, Philadelphia)
- Worldwide authorized distribution network
- Target 98% availability — Worldwide
- Rexnord Technical Service (RTS) — Problem investigation and product testing
- Preventative Maintenance training
- Field service support and Preventative Maintenance services
- Chain wear analysis program

Rexnord 1200 Series Mill Duty Belt Elevator



1. Twelve-gauge steel split upper head section
2. Welded steel head pulley with lagging and taper lock hubs.
3. Lower head section of 1/4" steel plate
4. Intermediate casing of heavy gauge steel with deep beaded crimps for stiffness.* #10 gauge for single leg construction. #7 gauge for double leg construction. (Attach to adjoining structures at approximately 20 foot centers for lateral support).

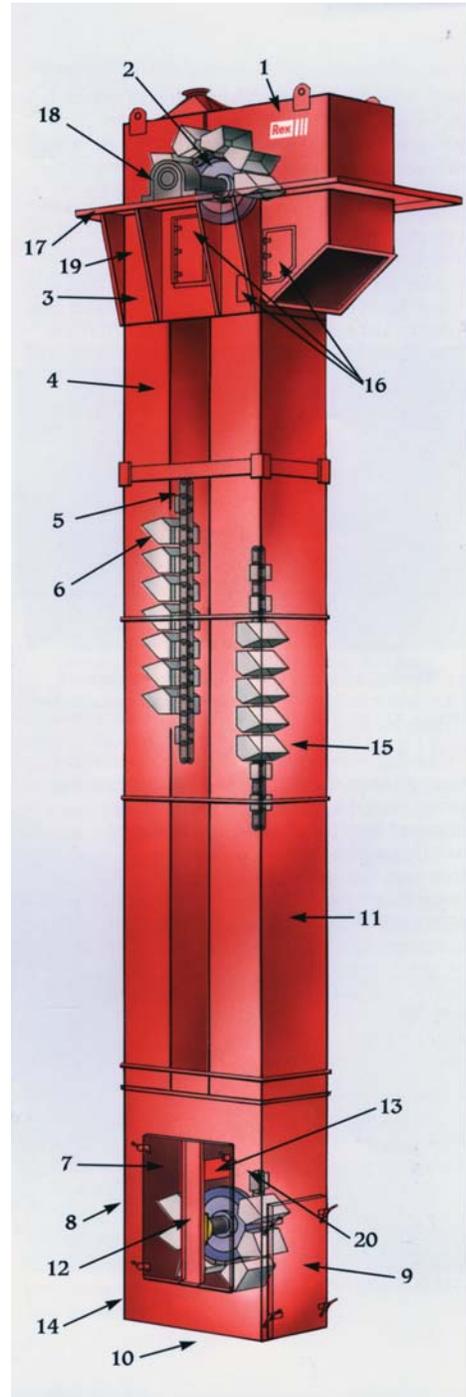
5. Elevator belting selected for individual application
6. Rexnord-Style "AC" fabricated steel elevator buckets in single or staggered double rows, secured to belt with flat head Huck type or common elevator bucket fasteners. Rexnord engineered belt splice.
7. First intermediate above boot has three large access doors for installation of splice and buckets
8. Rexnord counterweighted external gravity takeup with adjustable channel frame for single point belt training adjustment
9. Flanged inlet opening for easy connection to loading chute
10. Front and rear cleanout access panels with quick acting latches
11. Flanged bottom with flat base for complete bearing on foundation
12. Two-bolted access doors for removal of takeup foot pulley
13. Externally mounted Rexnord flanged block bearings with closed end shield
14. Welded steel wing type foot pulley with taper lock hubs.
15. Boot section of 1/4" steel plate
16. Self-supporting corner angle construction
17. Generous clearance between casing and belt edges
18. Intermediate hinged type inspection door (optional)
19. Stub discharge spout with adjustable rubber peeler lip and two inspection doors
20. Headshaft bearing supports integral with lower head section
21. Heavy-duty spherical roller bearing pillow blocks

*Construction varies for double leg casing.

Rexnord 1600 Series Mill Duty Chain Elevator

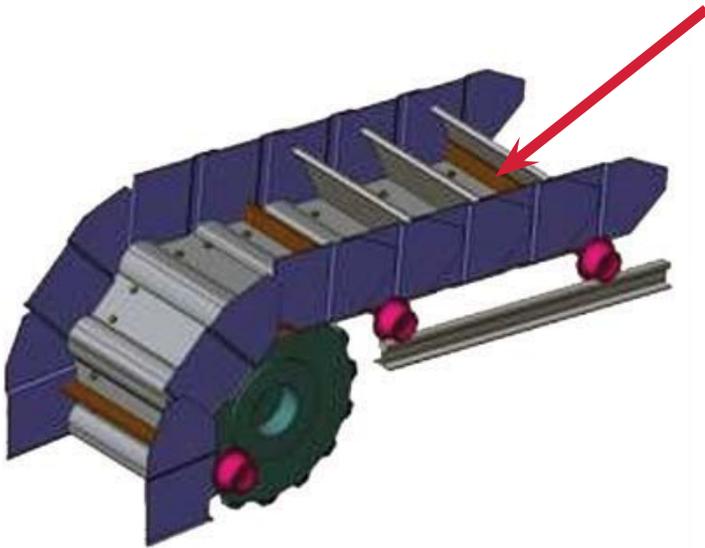
1. Twelve-gauge steel split upper head section
2. Hardened steel segmental rim traction wheel with solid steel body keyed to headshaft
3. Lower head section of 1/4" steel plate
4. Intermediate casing of heavy gauge steel with deep beaded crimps for stiffness.* #10 gauge for single leg construction. #7 gauge for double leg construction. (Attach to adjoining structures at approximately 20 foot centers for lateral support).
5. Heavy-Duty Rexnord steel rollerless chain
6. Rexnord Patented Reinforced Style "AC" fabricated steel elevator buckets
7. Double hinged access doors with quick acting latches
8. Flanged inlet opening for easy connection to loading chute
9. Front and rear cleanout access panels with quick acting latches
10. Flanged bottom with flat base for complete bearing on foundation
11. Self-supporting corner angle construction*
12. Rexnord counterweighted internal gravity takeup with NiHard bearings and sleeves. Hardened steel segmental rim foot traction wheel with split body keyed to footshaft
13. Take-up removal beam in boot section for servicing internal gravity take-up
14. Boot section of 1/4" steel plate
15. Generous clearance between casing and bucket edges
16. Stub discharge spout with adjustable rubber peeler lip and two inspection doors
17. Headshaft bearing supports integral with lower head section
18. Rexnord double row concave roller bearings or spherical roller bearing pillow blocks
19. Headshaft bearing supports integral to lower head section

*Construction varies for double leg casing.



AFT® Clinker Conveyor

Exclusive metal to metal design allows continuous pan contact through articulation minimizes spillage and leakage



Bolted pusher plates for high incline applications

- Maintains pan seal integrity
- Protects pan assembly under irregular load conditions
- Allows customizing based on specific applications

New redesigned rollers

- Bearings protected by inner and outer seals
- Regreasable or sealed for life
- Quick, simple 2-bolt mounting

Half pitch segmental sprockets

- Prolongs sprocket life
- Reversible and easy to mount

Modified Rexnord bucket elevator offset sidebar style chain

- Reduces bushing and sprocket wear
- Proven reliability

Drag and Flight Conveyors

Drag conveyors are well suited where multiple loading or discharge points are required, such as several silos in line, and also when a totally enclosed conveyor is needed for dust containment. They are capable of handling fine materials ranging from dust to 6 inch (150 mm) lumps. Flight Conveyors have one, or usually two strands of chain which move a “mass” of bulk material through a trough or enclosed casing (casings can be steel, concrete, or other materials). They are used where capacity requirements are fairly high, 200 - 400 TPH and when the material is somewhat fluid. The typical materials conveyed are TSP (fertilizer), raw meal, and finish cement.



Heavy Duty Welded Steel Drag Chains

Rexnord® Heavy Duty drag chains are ideal for conditions where severe abrasion and heat exist. They offer these important features and benefits:

- Hardface welding on both of the chain's sliding surfaces is standard. A typical weld hardness of 60 RC and a heavy weld bead give this chain excellent sliding wear resistance in cold and hot clinker applications.
- Interference fits between the pin and chain sidebar dramatically improves chain strength and joint wear life over that of a cast drag chain. In addition, no loose pins to move around in the chain joint.
- An induction hardened pin affords the best of two worlds – a 60 RC typical hardened case and impact resistant material in the core of the pin. The result is longer service life and good resistance to shock loads.
- Square edges on the wing and sidebar of welded drag chain convey more efficiently than rounded cast chain edges. They also move a deeper bed of material with each revolution of the chain.
- Heat treated and fabricated steel components eliminate the failures that cast chains experience from casting porosity and inclusions.



World Class Customer Service

For more than 100 years, the dedicated people of Rexnord have delivered excellence in quality and service to our customers around the globe. Rexnord is a trusted name when it comes to providing skillfully engineered products that improve productivity and efficiency for industrial applications worldwide. We are committed to exceeding customer expectations in every area of our business: product design, application engineering, operations, and customer service.

Because of our customer focus, we are able to thoroughly understand the needs of your business and have the resources available to work closely with you to reduce maintenance costs, eliminate redundant inventories and prevent equipment down time.

Rexnord represents the most comprehensive portfolio of power transmission and conveying components in the world with the brands you know and trust.

Rexnord is a registered trademarks of Rexnord Industries, LLC.

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