Quality Screw Conveyor Systems and Components
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Please refer to Screw Conveyor Corporation Engineering Manual and related current price list for complete details and part numbers.

(Note: Applicable CEMA standards are used throughout the product line.)
A WIDE CHOICE OF STANDARD PARTS
You get the system you need to solve your problem — yet keep cost at a minimum. Select the type of component from our standard line that fits your needs. For special flighting designs to solve a particular problem, please consult with one of our four sales offices.

Conveyor Screw: Compact, manufactured straight and accurate in helicoid, sectional, ribbon and special designs to meet your requirements.

Job-Rated Components: Selected to meet the performance required. Precisely worked to insure a longer lasting, truer running unit.

Jig-Drilled Couplings: Assures easy shaft alignment and assembly. Available with “Redi-Change” clamping key for quick disassembly of conveyor screw.

Tem-U-Lac Self-Locking Coupling Bolts: Guards against system damage and costly down-time caused by coupling bolts or nuts working loose.

Hangers and Bearings: Various styles and bearing materials selected to meet your needs.

Trough Ends: Several bearing and seal styles are available to match your needs.

Troughs, Covers, Clamps and Shrouds: Ruggedly constructed standard “U” and other styles of troughs including tubular. Covers, clamps and shrouds available for all applications.

Nu-Weld® Flange: Continuously welded steel flange holds trough in alignment.

Discharge Spouts: All types available...located where you need them...with hand, electric, hydraulic or pneumatic powered gates.

Supporting Feet and Saddles: Align and fasten the trough to the floor or existing structure.

A WIDE CHOICE OF MATERIALS
Stainless Steel Screw Conveyors are ideal for use in the food, pharmaceutical, chemical and virtually all other industries where sanitation, corrosion or extreme temperatures are a problem. Stainless steel conveyor screw and parts are manufactured to the same specifications as standard mild steel. Any analysis of stainless steel can be used in the construction of your screw conveyor. Stainless accessories such as hangers, troughs, etc. are also available.

Corrosion Resistant Conveyor Screws may be made of special resistant metals such as stainless steel, Monel, Inconel, Cor-Ten, etc. They also may be hot dip galvanized for protection against mild corrosion.

Wear Resistant Conveyor Screws and accessories can be furnished in 40/50 carbon A.R. steels, T-I nickel steel, Hardox 400 or can be coated with Postalloy, Stellite, Airco, etc.

CARBON STEEL, STAINLESS STEEL, AND GALVANIZED STEEL ARE INVENTORIED AND READY FOR IMMEDIATE DELIVERY!
Conveyor Screws and Flights–Hangers and Bearings

We have all the pieces to put together an answer to your bulk material conveying problem. Screw conveyors handle almost any bulk material efficiently and they do it economically compared to other methods. Compact, they fit into tight places, with moving parts enclosed. They’re easy to install and simple to maintain. You can run them horizontally, on an incline, and, with our Screw-Lift®, straight up.

We can meet your application needs in helicoid and sectional flight types with adaptations including ribbon, special pitches and tapered – in various gauges of steel, stainless steel and other alloys, including hardened flight surfaces.

Whether your need is for components or a complete system, you can rely on our years of experience in the engineering and manufacturing of screw conveyors. Consult our experienced personnel without obligation.

REDI-CHANGE QUICK DISCONNECT CONVEYOR SCREWS
The Redi-Change feature allows you to perform conveyor screw changes and repairs without dismantling the entire conveyor. This feature is available on all types of conveyor screws (not available in 1” shafts).
SPECIAL CONVEYOR SCREW DESIGNS

- DOUBLE FLIGHT
- SHORT PITCH
- VARIABLE PITCH
- TAPERED DIAMETER
- CUT FLIGHTS
- CUT AND FOLDED
- MIXING PADDLES (welded or adjustable)
- PADDLE CONVEYOR

HANGERS AND REPLACEMENT HANGER BEARINGS

The style 226-Hanger is the most popular since it mounts completely inside the trough and is more suitable for use with dust tight or weather tight covers.

Standard bearings are Babbitt, hard iron, wood, bronze and nylon or Nylatron. Available on special order are Ni-Hard, Bronze Oilite, Gatke, Stellite Bushed, Teflon and many other bearing materials.

- STYLE NO. 220
- STYLE NO. 226
- STYLE NO. 230
- STYLE NO. 260
- STYLE NO. 270
- EXPANSION STYLE NO. 326
- FLARED TROUGH HANGER

BEARING FOR STYLE 220, 226, 326 HANGER
BEARING FOR STYLE 216, 230 HANGERS
BEARING FOR STYLE 260, 270 HANGERS

STYLE NO. 216

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BEARING FOR STYLE 216, 230 HANGERS
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STYLE NO. 216
Troughs are available in sizes up to 30" and in gauges up to 3/8" thick. They can be formed of stainless steel or other alloys. Nu-Weld® end flanges are continuously jig-welded on each end to assure alignment and tight connecting joints. If supporting feet are needed, they are spaced at the flange joints. Trough saddles are also available.

**SPECIAL TROUGH DESIGNS**

Troughs may be furnished in a variety of materials including stainless steel, galvanized, monel or other alloys. Covers are usually bolted on or furnished with screw or spring clamps and may be flat for interior or hip roof for exterior installations. Piano hinges are also available.
TROUGH END DESIGNS

ANTI-FRICTION STYLE NO. 102
PICTURED WITHOUT SEAL

ANTI-FRICTION STYLE NO. 103
PICTURED WITH PACKING SEAL

CHEVRON ROLLER BEARING END
THRUST WITH TROUGH END

DISCHARGE TROUGH END
STYLE NO. 104 AND 107

BOLT ON SHELF
(Bolts to existing trough ends)

NU-WELD® END FLANGE
Nu-Weld® end flanges are made of heavy-gauge steel to assure close accurate fit with the conveyor trough and the trough ends of the following end flange. Bolt holes are jig-punched to assure accurate alignment.

SADDLES AND FEET

TROUGH END DUST SEALS

STYLE NO. 100

STYLE NO. 101

FLARED TROUGH END
STYLE NO. 114 AND 115
Trough Covers – Shrouds – Cover Clamps

Note: Standard designs are not intended to be weather, rain, air, or pressure tight. For special design requirements, contact your nearest sales office.
Feed and Discharge Spouts

Rack and pinion gates have cut tooth racks welded to the slide plate. This engages a cut tooth pinion mounted on a pinion shaft. Gate may be operated by hand wheel, chain wheel or power operated by electric motors, air or hydraulic cylinders.
Screw Conveyor Corporation—Your One Source Supplier

QUALITY COMPONENTS IN STOCK AND READY FOR FAST DELIVERY!

Screw Conveyor Corporation has a vast stock of quality components at four major locations across the country. We are committed to supporting the inventory position of our nationwide network of distributors. This commitment assists them in meeting the demands of their customer base with on-time delivery of high quality Screw Conveyor components and replacement parts.

From standard inventory to custom work, we’ve grown by answering our customer’s needs. And we offer it all...concept, engineering, manufacturing and service.

The photos shown on this page represents a cross section of the quality components and replacement parts in stock at three key locations nationwide.
TO AVOID UNSAFE OR HAZARDOUS CONDITIONS, THE FOLLOWING MINIMUM PROVISIONS MUST BE STRICTLY OBSERVED.

1. (A) SCREW CONVEYORS SHALL NEVER BE OPERATED UNLESS THE CONVEYOR HOUSING COMPLETELY ENCLOSES THE CONVEYOR MOVING ELEMENTS. All necessary housings, covers, safety guards, railings, gratings and power transmission guards must be in place. If the conveyor is to be opened for inspection, cleaning or observation, the motor driving the conveyor is to be locked out electrically in such a manner that it cannot be started by anyone, however remote from the area unless the conveyor housing has been closed and all guards are in place. THE HOUSINGS, COVERS AND GUARDS ARE NECESSARY TO PREVENT ANYONE FROM ENTERING, REACHING, OR FALLING INTO THE MACHINERY, WHICH MAY RESULT IN SERIOUS PERSONAL INJURY.

(B) If the conveyor must have an open housing as a condition of its use, the entire open conveyor is then to be guarded by a railing, fence or rugged safety grating.

(C) Feed openings for shovel, front end loader or other mechanical equipment shall be constructed in such a way that the conveyor is covered by a rugged grating. If the nature of the material is such that a grating can't be used, then the exposed section of the conveyor is to be guarded by a railing and there shall be warning signs posted.

2. DO NOT PLACE HANDS OR FEET IN ANY CONVEYOR OPENING, TO AVOID BEING CAUGHT BETWEEN THE ROTATING CONVEYOR SCREW AND THE CONVEYOR HOUSING.

3. DO NOT WALK ON CONVEYOR COVERS OR GRATINGS OR POWER TRANSMISSION GUARDS, TO AVOID FALLING INTO OR AGAINST THE ROTATING CONVEYOR SCREW.

4. DO NOT poke or prod material in the conveyor with a bar or stick, to avoid being struck by the bar or stick.

5. DO NOT overload conveyor or use it for anything but its intended use.

6. DO practice good housekeeping

A copy of Screw Conveyor Safety and Service Instructions are shipped as part of every order.
EXPERIENCE IN MOTION

For over 80 years we have been a dependable source for performance proven bulk material handling equipment.
Put our experience to work for you!

Screw Conveyor Corporation

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