ERIKS Grain Products

Solutions for the Grain, Feed, Seed, Milling and Processing Industries

ERIKS

Meeting Your Feed and Grain Equipment Needs Since 1975

Company History

Mill & Elevator was established in Kansas City, Missouri, in 1977. In 2003, we merged with Rubber Belting & Hose of Wichita, Kansas, to become RBH Mill & Elevator and in 2007, also acquired EBM Mill & Elevator Supply of Norfolk, Nebraska. All three locations were maintained as locations of the RBH Mill & Elevator group.

In 2008, we joined Lewis-Goetz, becoming three of its nearly 90 service centers across North America serving industrial and grain customers with market-leading inventory and service.

In 2011, ERIKS bought Lewis-Goetz and all of its locations, including RBH Mill & Elevator. Four years later, in 2015, we officially changed our name from RBH Mill & Elevator to Lewis-Goetz an ERIKS Company. Then, in 2018, all entities under Lewis-Goetz changed to ERIKS.

New Name — Same Dedication to Service

Our name may have changed, but our mission has not. As ERIKS, we still provide grain and industrial belting for all applications, plus all other products for the grain industry. Our skilled team also provides on-site testing and certification of industrial hose assemblies used in various applications throughout the industry.

We also offer you grain and seed cleaning equipment expertise, cut-to-order lagging kits, and power transmission knowledge. As the marketplace leader in grain equipment, parts and components, we have vast knowledge of large equipment. Our experienced team works with numerous vendors to design bucket elevators, conveyors and bins with a special emphasis on screw conveyor applications.

Associates with many years of combined experience give our Kansas City, Wichita and Norfolk teams a depth of knowledge of products and services that others cannot match. Together, they provide a one-stop shop for solutions to all of your grain, seed, and industrial product needs.

Timeline

1975 — 1980 — 1985 — 1990 — 1995

1976
EBM Mill & Elevator founded in Norfolk, Nebraska

1977
Mill & Elevator founded in Kansas City, Missouri

1977
Rubber Belting & Hose (RBH) established in Wichita, Kansas

2003
Mill & Elevator and RBH merge to form RBH Mill & Elevator

Visit One of Our Dedicated Grain and Industrial Products Facilities

Kansas City
1665 N. Topping Ave.
Kansas City, MO 64120
TOLL-FREE: 800-821-5578
LOCAL: 816-241-1500
FAX: 816-241-8966

Wichita
2113 S. West St., Suite 200
Wichita, KS 67213
TOLL-FREE: 800-835-0226
LOCAL: 316-265-1151
FAX: 316-269-1224

Norfolk
2303 Riverside Blvd.
Norfolk, NE 68701
TOLL-FREE: 855-254-6611
LOCAL: 402-379-6330
FAX: 402-379-2265

Visit Us Online

Grain.EriksNA.com

ERIKS

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2000 2005 2010 2015 2020

2007
RBH Mill & Elevator acquires EBM Mill & Elevator

2008
Lewis-Goetz acquires RBH Mill & Elevator

2011
ERIKS acquires Lewis-Goetz

2015
RBH Mill & Elevator changes its name to Lewis-Goetz an ERIKS Company

2018
All Lewis-Goetz entities change to ERIKS

Portable Augers and Accessories

Swing-Away Portable Auger

Finally, an auger designed to maneuver quickly and easily into operational position. The heavy-duty articulated undercarriage with hydraulic lift system takes the work out of raising, positioning and lowering the auger by making use of the tractor and its hydraulic system. All gear drives are oil-bath enclosed for longer service life. The galvanized tube on the main auger provides the best finish on the market.

The swing-away flex hopper, standard on all models, is designed to keep the hopper in a horizontal position at all operating angles even when the main auger tube is fully elevated. The hopper can be operated and transported from either side of the main auger, and is transported in a vertical position for easy cleanout.

The swing-away is available in 8" – 3200 BPH, 10" – 4500 BPH and 12" – 7000 BPH and with lengths from 52' to 82'. Choose from gear or hydraulic drive. Maximum protection safety equipment is part of every unit.

Accessories Include:

- Large Hopper Tail Piece with Bearing and Cover
- Large Hopper Tail Piece with Hinged Cover
- 90° Discharge Spout

All sizes available that conform to the specifications relative to the Portable Auger.

Custom Augers and Accessories

Custom augers can be ordered in any length and size in varying degrees of thickness. Augers can be made in standard and half/quarter pitch if needed. We can also ship unmounted flighting on same day of order. Call us for any auger application, and we can design a system to accomplish your material handling needs.

Accessories Include:

- Bin Wells
- Hopper Tail Piece with Bearing and/or Slide Gate
- Slide Gate
- Control Gate
- Intake Guard with Bearing

All available for any needed size.

Bearings and Shafts

Hanger

End, Drive and Coupling Shafts

We supply end, drive and coupling shafts and bearings from the top manufacturers to fit your specific applications.

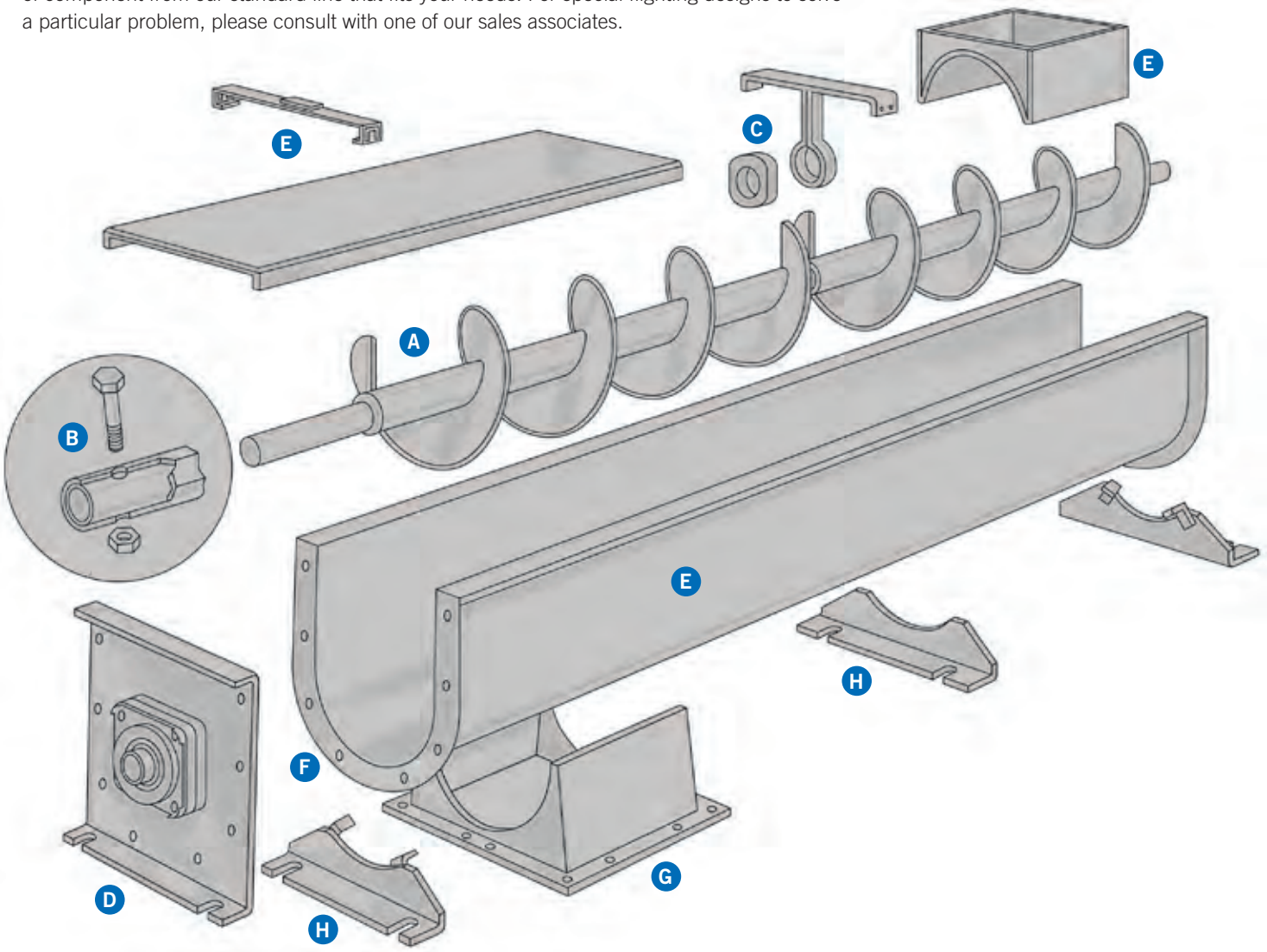
Hanger Bearings

Questions about what you need?

Call us today and we can help!

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 sales associates.



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

B **Job-Related 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.

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

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

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

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

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

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

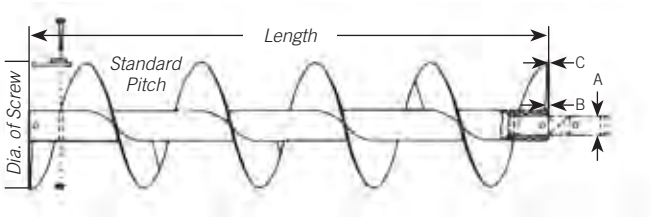
Conveyor Screws

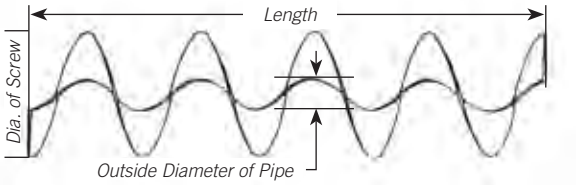
Available as either right- or left-hand. Right-hand conveyor screws will be supplied unless otherwise specified. See "Hand" of Conveyor Table. Use standard length conveyor screws wherever possible.

The carrying side of the flighting surface that does the actual job of conveying is free of lugs. The back or non-carrying side of the flight is reinforced at the ends to guard against the flight folding back.

Helicoid

Cold rolling of special analysis strip steel into a continious helix produces a work-hardened, smoothly finished flighting surface. Hellicoid flighting is of superior strength with its diameter, pitch and thickness closely controlled. The flighting is then normally fastened to the pipe by intermittent welds and welded steel end lugs. They may be continously welded on either one or both sides. The pipe has seamless internal collars inserted in both ends of the pipe to accommodate the shafts. Helicoid and Sectional flighting of the same diameter and shaft size are interchangeable.





(Dimensions in inches and average weights in pounds)

Diameter of Screw Conveyor ‡	Part Number *†	Redi-Change Part Number *†	Mounted Conveyor Weight per Section	Flighting Only Weight per Section	Diameter of Couplings "A"	Thickness of Flights Next to Pipe "B"	Outer Edge "C"	Outside Diameter of Pipe	Inside Diameter of Pipe	Length of Standard Section	Length Hanger Bearings	Maximum Motor Size at 100 ††
4 Standard	**4H204**	—	31	9.0	1	1/8	1/16	1 5/8	1¼	9' 10½"	11/2	1.5
4 X	**4H206**	—	38	16.0	1	3/16	3/32	1 5/8	11/4	9' 10½"	11/2	1.5
6 Standard	**6H304**	**6CH304**	50	14.0	1½	1/8	1/16	2 3/8	2	9' 10"	2	5
6 X	**6H308**	**6CH308**	64	28.0	1½	1/4	1/16	2 3/8	2	9' 10"	2	5
6 XX	**6H312**	**6CH312**	78	42.0	1½	3/8	1/8	2 3/8	2	9' 10"	2	5
9 Standard	**9H306**	**9CH306**	70	31.0	1½	3/16	3/16	2 3/8	2	9' 10"	2	5
9 X	**9H312**	**9CH312**	101	62.0	1½	3/8	3/32	2 3/8	2	9' 10"	2	5
9 Special	**9H406**	**9CH406**	91	30.0	2	3/16	3/16	2 7/8	2½	9' 10"	2	10
9 XX	**9H4 12**	**9CH412**	121	60.0	2	3/8	3/16	2 7/8	2½	9' 10"	2	10
9 XXX	**9H414**	**9CH414**	131	70.0	2	7/16	7/32	2 7/8	2½	9' 10"	2	10
10 Standard	**10H306**	**10CH306**	81	42.0	1½	3/8	3/32	2 3/8	2	9' 10"	2	5
10 XX	**10H412**	**10CH412**	130	69.0	2	3/16	3/16	2 7/8	2½	9' 10"	2	10
12 Standard	**12H408**	**12CH408**	140	67.0	2	1/4	1/8	2 7/8	2½	11' 10"	2	10
12 X	**12H412**	**12CH412**	175	102.0	2	3/8	3/16	2 7/8	2½	11' 10"	2	10
12 Special	**12H508**	**12CH508**	168	64.0	2 7/16	1/4	1/8	3½	3	11' 9"	3	15
12 XX	**12H512**	**12CH512**	200	96.0	2 7/16	3/8	3/16	3½	3	11' 9"	3	15
12 XXX	**12H614I**	**12CH614**	216	112.0	3	7/16	7/32	4	3½	11' 9"	3	25
14 Standard	**14H508**	**14CH508**	170	84	2 7/16	1/4	1/8	3½	3	11' 9"	3	15
14 XX	**14H614**	**14CH614**	267	163.0	3	7/16	7/32	4	3½	11' 9"	3	25
16 Standard	**16H610**	**16CH610**	228	120.0	3	5/16	5/32	4	3½	11' 9"	3	25
16 XXX	**16H614**	**16CH614**	267	163.0	3	7/16	7/32	4½	4	11' 9"	3	25
18 Standard	**18H610**	**18CH610**	292	144.0	3	5/16	5/32	4½	4	11' 9"	3	25
20 Standard	**20H610**	**20CH610**	298	150.0	3	5/16	5/32	4½	4	11' 9"	3	25

‡ *The pitch of flighting approximately equals conveyor diameter.*

* *For convenience in specifying listed Helicoid Conveyor Screw, Part Numbers have been established to designate the type of Conveyor Screw and flighting, pipe and gudgeon specifications. The figure at the left of the letter indicates the diameter of the Conveyor Screw, the letter H (for Helicoid) designates the type; the first figure following the letter is twice the coupling diameter and the last two figures the nominal thickness of the flighting at the outer edge in 1/64".*

† *When ordering, specify Part Numbers and whether right or left hand, also length desired. Example: 9H306 RH-9' 10" or 9H306 RH-5' 6".*

†† *Horsepower is directly proportional to speed, predicated upon specified couplings and bolts.*

Call us for Helicoid Conveyor Screws with heavy shaft or special coupling diameters.

Belt Conveyors

Let us design a belt conveyor to suit your specific needs for conveying dry bulk materials. We work with the top manufacturers to offer a wide array of conveyor models and are able to construct systems for extreme incline and fine handling applications. Popular conveyors include: enclosed belt conveyors, portable trough belt conveyor, portable tube conveyor and car unloader.

Options Include:

- Stainless Steel
- Painted Steel
- Galvanized
- Knee Sections
- Inclined Operation
- Special Inlets
- Stationary Intermediate Discharges
- Transitions
- Reverse Operation
- Sensors
- Various Types of Drives
- Enclosed
- Self-Cleaning

Belt Conveyor Pulleys

We offer a full line of conveyor pulleys and accessories at competitive prices.

Types Include:

- Belt Conveyor Pulley
- Heavy-Duty Drum Pulley
- Spiral Drum Pulleys
- Heavy-Duty Wing Pulleys
- Spiral Wing Pulleys
- Herringbone Wing Pulleys
- Hubs
- Bushings
- Shafts
- Lagging

Ask about our special cut-to-order lagging kits!

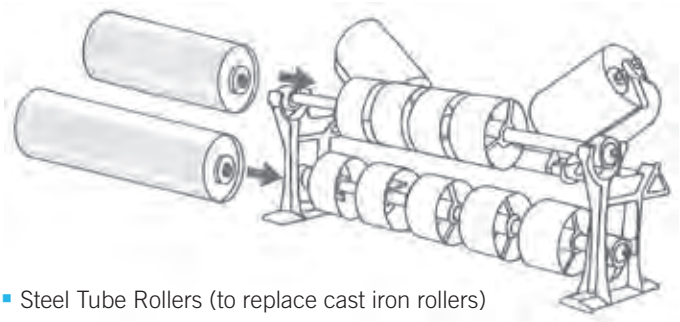
Belt Conveyor Idlers

Basic styles of idlers include but are not limited to troughing idler, return belt idler, flat carrier idler, impact idler, rubber cushion return idlers, rubber cushion flat carrier, self-aligning idler, bi-directional self-aligning idler, self-aligning return idler and offset center roll idler. Also available are feeder/picker idler, unequal length troughing idler, channel-mount low-profile idler, 504 series idler, side guide idler, live shaft rollers and stub rollers. These styles can meet most standard conveyor requirements. Special idlers can be designed and fabricated for your special applications. ERIKS will be happy to help you in selecting the right type and combination of idlers to fulfill your conveying needs.

Specifications Available:

- 45° with Offset Center Roll
- 35° with In-Line Center Roll
- Unequal Length Rolls
- Offset Grain Trainer
- Self-Aligning In-Line
- Return Training
- Rubber Cushion
- Bi-Directional Self-Aligning
- Impact
- Channel-Mount Low Profile
- CEMA B
- CEMA C
- CEMA D
- CEMA E
- Various Diameters
- Tapered Rollers

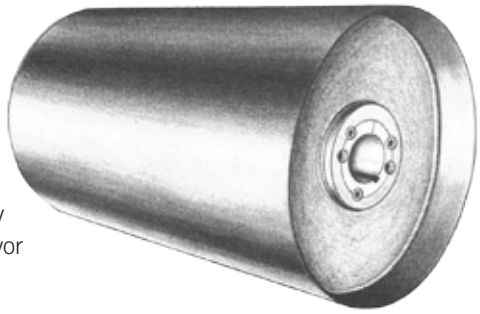
Individual Parts and Components



- Steel Tube Rollers (to replace cast iron rollers)
- Shafts
- Bearings
- Housings
- Rollers
- Stands
- Belts

Pulleys

Drum-Style Conveyor and Elevator Pulley



The toughest conveyor applications require the ruggedness offered by a Precision Pulley "XPD" Drum Conveyor Pulley.

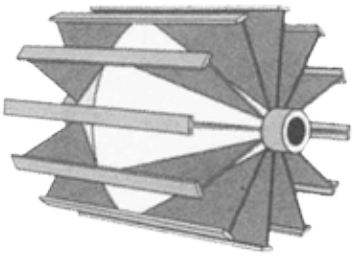
Steel rims, hubs and discs are fused into an integral component by a continuous welded bond that not only provides an effective barrier against invasion of foreign elements, but maximizes pulley strength and concentricity.

The rim of the "XPD" Drum Conveyor Pulley is cold-rolled in halves by custom-designed crowning rolls. The cold-forming, two-piece rim construction affords greater strength, accuracy of crown, concentricity and full accessibility for internal and end disc installation.

The use of internal discs, plus heavier-than-standard, continuous-weld construction reduces radial deformation of the rim and longitudinal deflection of the rim and shaft of the "XPD" Drum Conveyor Pulley.

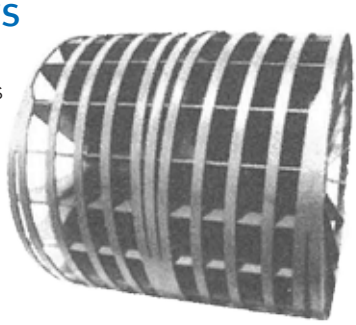
- The "XPD" Drum Conveyor Pulley is available in standard face widths from 12" to 60"
- The "XPD" Drum Conveyor Pulley is manufactured with a standard crown face unless otherwise specified
- Each "XPD" Drum Conveyor Pulley with a standard face width from 24" to 44" is constructed with one internal disc. Two internal discs are incorporated in all "XPD" Drum Conveyor Pulley applications with a standard face width from 46" to 66". All "XPD" Drum Conveyor Pulleys with a standard face width in excess of 66" are constructed with three internal discs.

Wing Type Self-Cleaning Pulleys



- Special self-cleaning angle discharges material away from the belt helping to prevent material build up and belt damage from conveyed material
- Crown face pulleys are furnished standard

Spiral Wing Pulleys

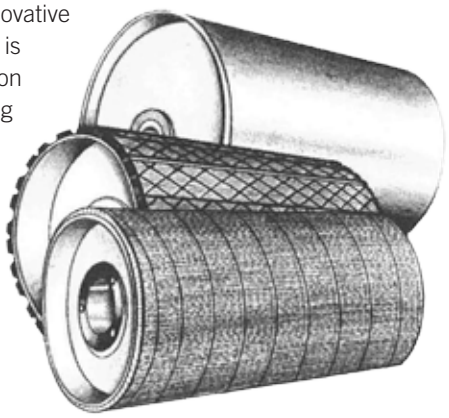


- Promotes self cleaning, helps move material to outside edges of tail pulley
- Helps smooth out vibrating belt movement
- Flat steel bars helically wound around wing fins

Rubber Lagging

Rubber lagging is commonly used on both crown and straight faced pulleys to improve tractive capacity, resist abrasive conditions and extend belt and pulley life. The style of rubber lagging is usually influenced by operation conditions.

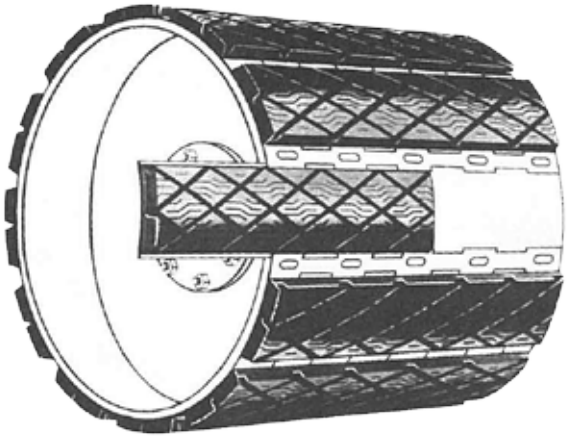
- **Rough Top Spiral** lagging features an irregular surface approximately 3⁄16" thick bonded to a one-ply stretch duck. The irregular surface of Rough Top Spiral lagging increases tractive capacity and has proven to be very successful in wet or icy conditions
- **Vulcanized Rubber** lagging is bonded directly to the pulley rim, without benefit of a cloth fabric. Vulcanized Rubber lagging is smooth and when desired either chevron, herringbone or diamond grooves may be specified. Vulcanized Rubber lagging should not be grooved if it is less than 3⁄8" thick.
- **Holz Slide-Lag®**, an innovative rubber lagging process, is bonded to special traction pads. The Holz Slide-Lag traction pads slide into retainers welded or bolted to the pulley rim providing ease of replacement



Slide-Lag®

Replaceable Pulley Lagging for Drive Pulleys

The SLIDE-LAG Formula provides specially compounded elastomer padding vulcanized under high pressure to heavy gauge steel plates which are shaped to conform to each pulley face. The pieces slide in and out of special retainers which have been securely welded or bolted to the pulley face.



Number of 7211 Pads Required for Butt Seam Application

Pulley Diameter	Pulley Face Width																			
	12"	14"	16"	18"	20"	22"	24"	26"	30"	32"	36"	38"	40"	44"	46"	51"	54"	60"	66"	72"
6"	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3
8"	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4
10"	1	1	2	2	2	2	2	2	3	3	3	3	3	4	4	4	4	5	5	5
12"	1	2	2	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	6	6
14"	2	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	6	6	7	7
16"	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6	7	8	8
18"	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	7	7	8	9	9
20"	2	2	3	3	3	4	4	4	5	5	5	6	6	7	7	8	8	9	10	10
24"	2	3	3	3	4	4	4	5	5	6	6	7	7	8	8	9	9	10	11	12
30"	3	3	4	4	5	5	5	6	7	7	8	8	9	10	10	11	12	13	14	15
36"	3	4	4	5	5	6	6	7	8	8	9	10	10	11	12	13	14	15	17	18
42"	4	5	5	6	6	7	7	8	9	10	11	12	12	13	14	15	16	18	20	21
48"	4	5	6	6	7	8	8	9	10	11	12	13	14	15	16	17	18	20	22	24
54"	5	6	6	7	8	9	9	10	12	12	14	15	15	17	18	20	21	23	25	27
60"	5	6	7	8	9	10	10	11	13	14	15	16	17	19	20	22	23	25	28	30
72"	6	7	8	9	10	11	12	13	15	16	18	19	20	22	23	26	27	30	33	36

Elevator Belting

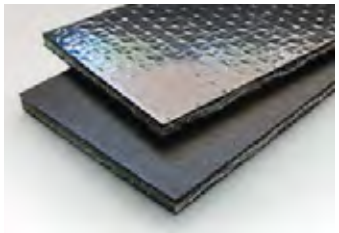
Call today for a quote on the PVC or rubber belt you need. Many types are in stock and ready to be punched to your requirements.

Belting available includes:
All grades of PVC belting available in various thickness levels that will accommodate your specific application. We offer PVC belting in both black and white.

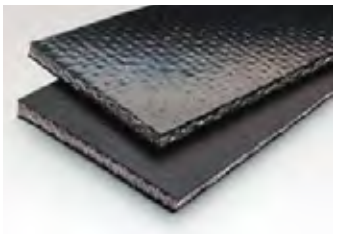
Application:
Commonly used for elevator belting in the feed and grain industries.

We also carry low temp 120 PVC crescent top X friction belting. Many widths available in stock. Great to use in cold regions.

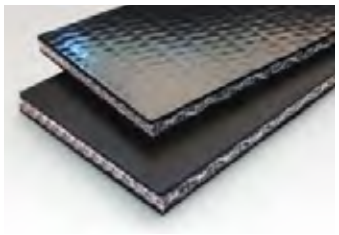
PVC Belting — Heavy-duty interwoven-constructed belt offers excellent service in bucket elevators. Our PVC belting meets and exceeds OSHA safety standards for static conductivity and MSHA standards for flame resistance.



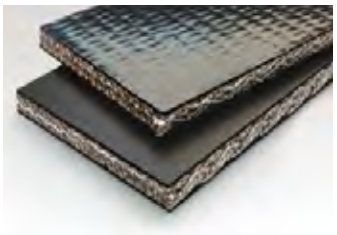
PVC 200



PVC 250



PVC 350



PVC 450

PVC 600

Heavy-Duty Rubber Belt — Offers excellent service in bucket elevators. Our rubber belting meets and exceeds OSHA safety standards for static conductivity and MSHA standards for flame resistance.

Rubber 220 SOR-SC-FR

Rubber 330 SOR-SC-FR

Rubber 440 SOR-SC-FR

Rubber 600 SOR-SC-FR

Rubber 800 SOR-SC-FR

We Also Stock:

- Crescent Top Belt
- Rough Top Belt
- Cleated Belt
- Food Handling Belt
- Low Temp Crescent Top Belt
- Grade II Sand/ Gravel Belt

You'll want the most thorough consultation service available.
Call our customer service department to discuss the often-overlooked factors that can influence the proper belt selection to best suit your specific needs:

- Are troughing idlers on old-fashioned 8'–10' spacing requiring a thicker belt to prevent too much sag?
- Is an oily dust suppressant being introduced to the product on the belt?
- Is the troughing idler a deep trough (45º) with "pinching" junction gap between the rolls?
- Is the belt a high or low "trip cycle"? e.g. A 65' receiving belt reloads frequently, while a 700' belt reloads infrequently. The major wear on a belt occurs at the loading point.
- Is the belt required to lift "unsupported" up to a tripper?
- Is the "transition distance" from last troughing idler to the flat of the pulley at least a distance equal to three times belt width?

Conveyor Belt Fabrication Services

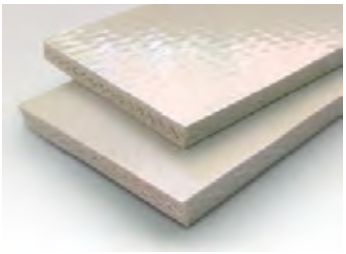
As a full service distributor, we offer many in-house conveyor belt fabrication services such as:

- Belt installation
- Steel cable and fabric belt vulcanization
- Installation and maintenance of scrapers, chute lining, crusher and mill maintenance
- Installation of mechanical fasteners, pulleys, idlers and ceramic and rubber pulley lagging
- Complete downtime support
- Structural fabrication and welding
- Preparing belts for a field vulcanized splice
- Hot and cold vulcanized v-guides, cleats and flanges
- Punching of elevator belts
- Fabrication of elevator and magnetic separator belts
- Laser alignment of belt structure

To complement our conveyor belt products, we supply accessories consisting of but not limited to:

- Elevator buckets and vulcanized splice kits
- Cold bond cements and repair kits
- Skirtboard, belt wiper and portable conveyors

Food-Grade Belt



All types of food-grade USDA-approved belting available. Standard, smooth top, along with various other rough top applications, such as crescent top and other impression top grades. A white nitrile meat cleat style is also available.

Application:
For heavy-duty use on conveyors with FDA requirements.

Specifications:
Covers: PVC. Excellent two-cover white belt with SOR compounds is not affected by grains, and has a low stretch, high bolt-retention ability. Meets FDA requirements and is USDA accepted.

Idlers

Troughing and Return Idlers

Specifications Available:

- 45° with Offset Center Roll
- 35° with In-Line Center Roll
- Unequal Length Rolls
- Offset Grain Trainer
- Self-Aligning In-Line
- Return Training
- Rubber Cushion
- Bi-Directional Self-Aligning
- Impact
- Channel-Mount Low Profile

Belt Lacing

ERIKS is able to handle your mechanical fastener requirements by offering the following types of fasteners:

- **Rivet Fasteners:** These are available in rivet hinged and rivet solid plate. Their function is to handle demanding heavyweight belt applications.
- **Bolt Fasteners:** These are also available in hinged and bolt solid plate. They are designed to be used with heavyweight conveyor and elevator belts.
- **Staple Fasteners:** This product offers an economical solution for light to medium weight belts.
- **Plastic Fasteners:** Plastic is utilized in lightweight applications where metal cannot be used.
- **Lacing:** This type of fastener is used on many lightweight applications where vulcanized splices are neither practical nor required.
- **Insta-Splice:** This is specifically used to join the ends of elevator belting.

In addition to the ability to supply the fasteners, we also have skilled technicians that are able to perform the service of attaching the fasteners, thus offering a finished product to our customers. Likewise, we also supply the mechanical fastener equipment necessary for those customers who prefer to perform the installation in the field.

Friction Pulleys

Fiber pulley available in all diameter sizes and bolt hole specifications for belt trippers and car pullers. We can custom build those hard-to-find outdated trippers and represent the only remaining source for this line of friction pulleys in the industry.

Pulleys

We offer a full line of conveyor pulleys and accessories at competitive prices.

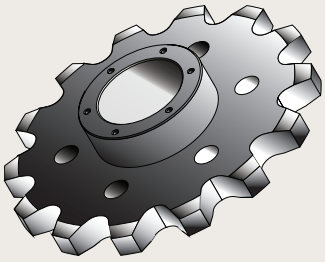
Types Include:

- Heavy-Duty Drum Pulley
- Spiral Drum Pulleys
- Heavy-Duty Wing Pulleys
- Spiral Wing Pulleys
- Herringbone Wing Pulleys
- Hubs
- Bushings
- Shafts
- Lagging

Ask about our special cut-to-order lagging kits!

Sprockets

Available in all sizes and materials. Custom drilled to the specified hole diameter. Sprocket to match chain type and conveyor at the lowest cost on the market.



Conveyor System Consulting Services and Mobile Maintenance

Along with our extensive line of belting products, ERIKS also provides conveyor system maintenance services to our customers, which include:

- Conveyor system surveys and recommendations to improve belt life
- Ultrasonic cover gauge analysis of conveyor belt speeds
- HP requirements and tons per hour requirements to make belt recommendations

Plus, we have mobile-maintenance service crew capabilities to provide additional services such as:

- Installing entire conveyor belt systems
- Building chutes, handrails and guards
- Changing out pulleys

ERIKS professional crews have all of the appropriate training including: MSHA part 46 and 48, OSHA 10-hour construction, OSHA 30-hour construction, CPR, first aid, AED certified, DOT physical, road testing, fork lift and task training. Most important is factory training in proper splice techniques for all of the different belt constructions.

Conveyor System Services:

- New belt installation and old belt disposal
- Steel cable and fabric belt vulcanization
- Scraper installation and maintenance
- Complete downtime support
- Structural fabrication and welding
- Pulley and idler installation
- Crusher and mill maintenance
- Chute lining installed and maintained
- Ultrasonic cover gauge measurement
- Cleats and flanges installed and maintained
- Fabrication of elevator belts
- Laser alignment of belt structure

Conveyor System Consulting Services:

- Splicing tools and equipment
- Recommending, designing and building belt-winding equipment
- Fabricating belt stands to keep conveyor belt inventory in good condition
- Evaluating conveyor system problem conditions and recommending appropriate solutions
- Ultrasonic cover gauge analysis to identify belt cover wear patterns and loading condition problems
- Analysis of conveyor belt speed, HP requirements and tons per hour requirement to make belt recommendations

As a full service distributor, many ERIKS Service Centers are equipped to mobilize qualified splice crews. These crews are also capable of installing and vulcanizing your new belt, performing belt repairs and performing on-site pulley lagging and chute lining.

They are also skilled in the installation of belt scrapers, troubleshooting and assisting you with a preventive maintenance program for all of your conveyor systems.

Belt Tripper Parts

A full line of common tripper parts, and for those hard-to-find and outdated belt trippers, we can customize those parts for you.

Bar Splice

Aluminum Bar Clamp Splice — available in 5, 6, 7, 8, 10, 12 or 72" custom cut to length.

Lagging

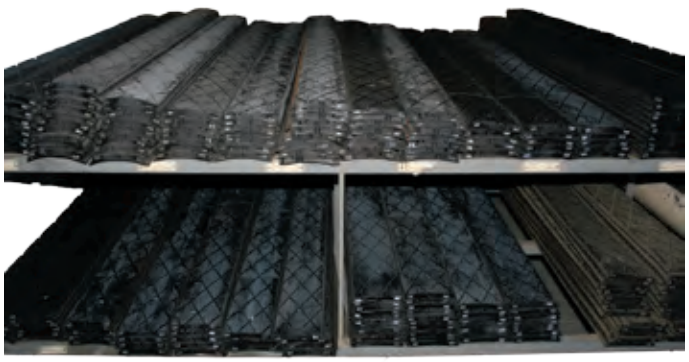
We offer the pulley lagging you need.

Common Types

- **Slide Lagging** is bonded to rigid backing, which is then formed to a specific diameter. Lagging can be used with or without retainers and is ideal for agriculture, food processing, power plants, feed and grain, and general industry. Lagging is replaceable at any time with little effort.
- **Rough Top** is used for small diameter drive pulleys when wear is not a problem. It gives excellent traction, without cutting grooves.
- **Grooved Lagging** is used in many different applications. Different groove patterns, such as diamond or chevron point, all provide different benefits.
- **Edge Crown Lagging** provides a crown on a flat faced pulley.

Ask about our custom lagging kits. We cut your pulley lagging to precise measurements and provide custom retainers, installation bolts, lock nuts, allen wrench and drill bits. Save time and money with no cutting and no waste.

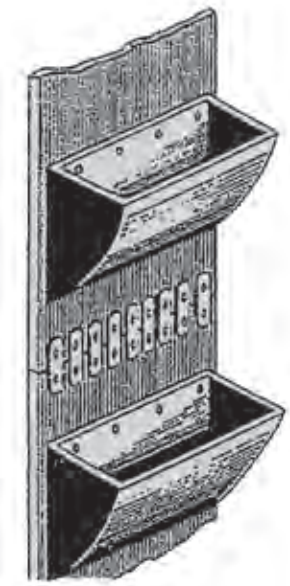
Call us today for your custom lagging kit.



Methods of Belt Splicing for Elevator Service

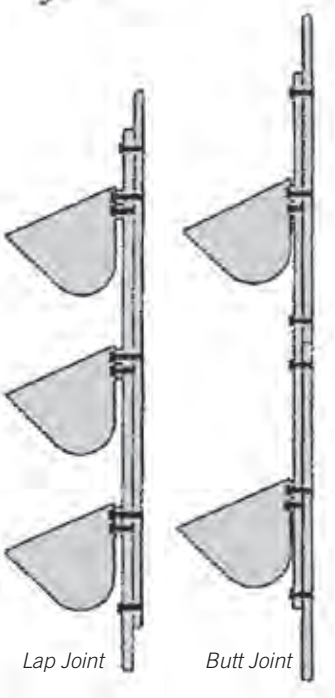
- **Lap Joint** — Best splice for thin belts. Lap belt ends two to four times bucket spacing and bolt the buckets through both belt strands. For centrifugal discharge elevators, only the top row of bolts should pass through both belt strands. On heavy belting, the inside strand edge should be tapered for smoother pulley passage.
- **Butt Joint** — Best splice for heavy belts. Cut belts to proper length and square ends. Butt ends together and fasten with a strap cut from extra belt. Use bucket bolts, rivets or button fasteners. Strap should be of the same belting as the main belt, and it should pass under at least two buckets. Only one row of bolts in each bucket should pass through both belt strands.
- **Metal Clamps and Metal Fasteners** — Used on light-duty belts.
- **Fasteners** — Two plate-type fasteners are used to clamp the butt ends of the belt. They give a relatively strong splice, easily and rapidly applied.
- **Vulcanized Splice** — This splice provides high strength, smooth operation and a long life.

The **bar clamp** is recommended for most elevator leg belts, because it provides no shock as the belt clamp passes over the pulleys, and the bar clamp life is equal to or longer than other splices.



Fasteners

Clamps



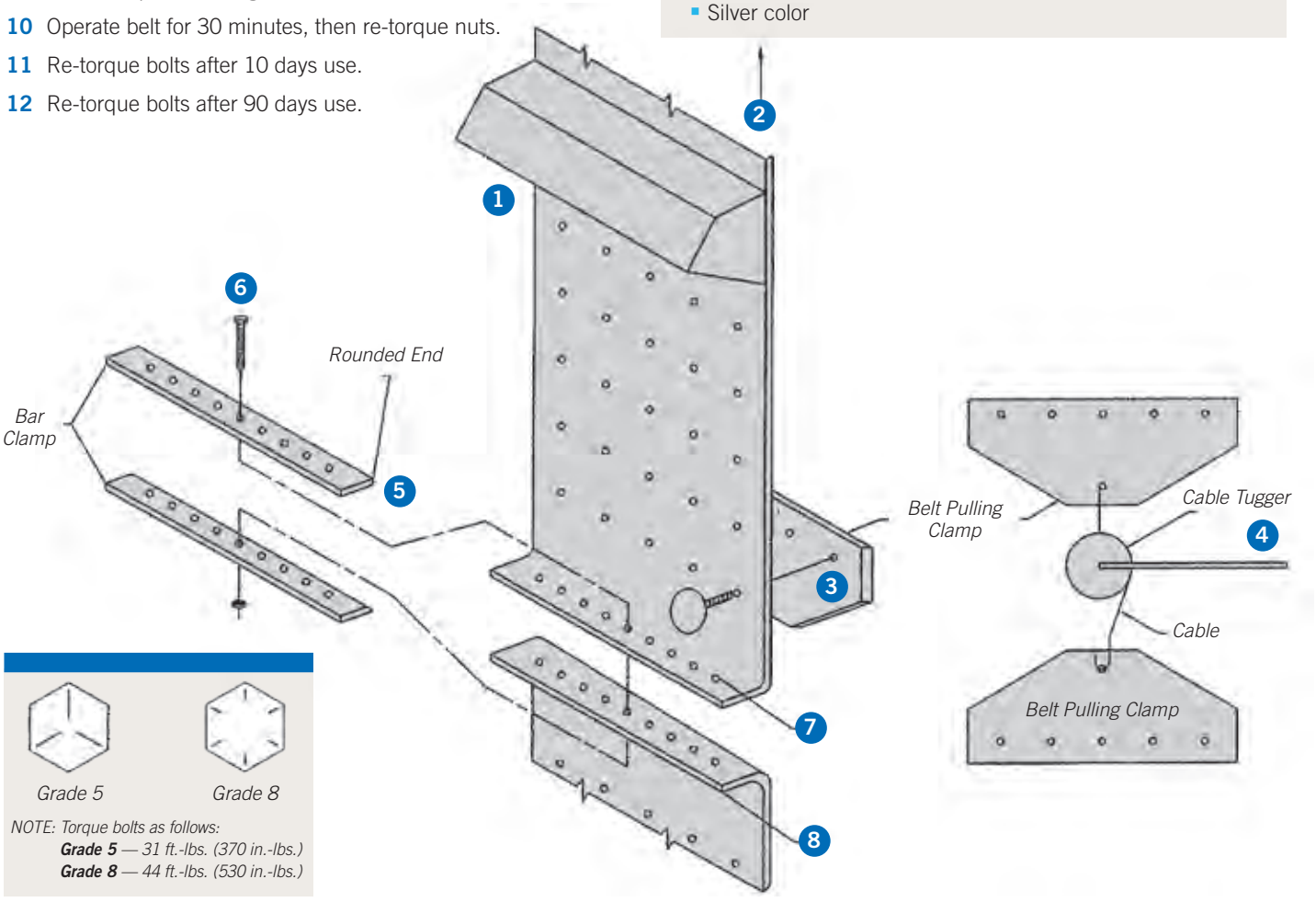
Lap Joint *Butt Joint*

Bar Clamp Belt Splice

For use with belts up to 450 lbs. PIW. Higher PIW belts require a Belt Splice.

Bar Clamp Installation Procedures and Torque Specifications

1. Install leg belt, leaving approximately six buckets off each end of the belt.
2. Raise boot pulley to upper limit of take-up bolt travel.
3. Install belt pulling clamps using all elevator bolt holes normally used on buckets. Place the elevator bolt head against the belt. (Preferably install clamp on the back side of belt.)
4. Install cable tugger and adjust the belt tightly. (The inlet hopper must be at the proper height when raising take-up.)
5. Install Bar Clamps as square as possible. (Use bolt holes in belt as reference line.) Pull belt between Bar Clamps as far as possible. Clamp vise grip on each end of Bar Clamp.
6. Drill center hole in belt, and install bolt with self-locking nuts. See bolt torque note.
7. Finish drilling holes with take-up in full up position and install remaining bolts with self-locking nuts. See bolt torque note.
8. Trim Excess belt not closer than ¼" from Bar Clamps.
9. Cut off both ends of Bar Clamp if needed. Bar Clamp not to extend past belt edge.
10. Operate belt for 30 minutes, then re-torque nuts.
11. Re-torque bolts after 10 days use.
12. Re-torque bolts after 90 days use.



Grade 5 *Grade 8*

NOTE: Torque bolts as follows:
***Grade 5** — 31 ft.-lbs. (370 in.-lbs.)*
***Grade 8** — 44 ft.-lbs. (530 in.-lbs.)*

Belt Splice

A belt splice is a mechanical clamping device with a simple three-piece construction. The patented design is for use on PVC and rubber belting; it accommodates belts of all thicknesses. Standard splice bolts will accommodate up to ½" thick belting. Longer bolts are available for thicker belts. Each splice set accommodates two inches of belt width. It is tested and approved by leading manufacturers of PVC and rubber belting and is available in regular and non-sparking.

Belt Splice AB

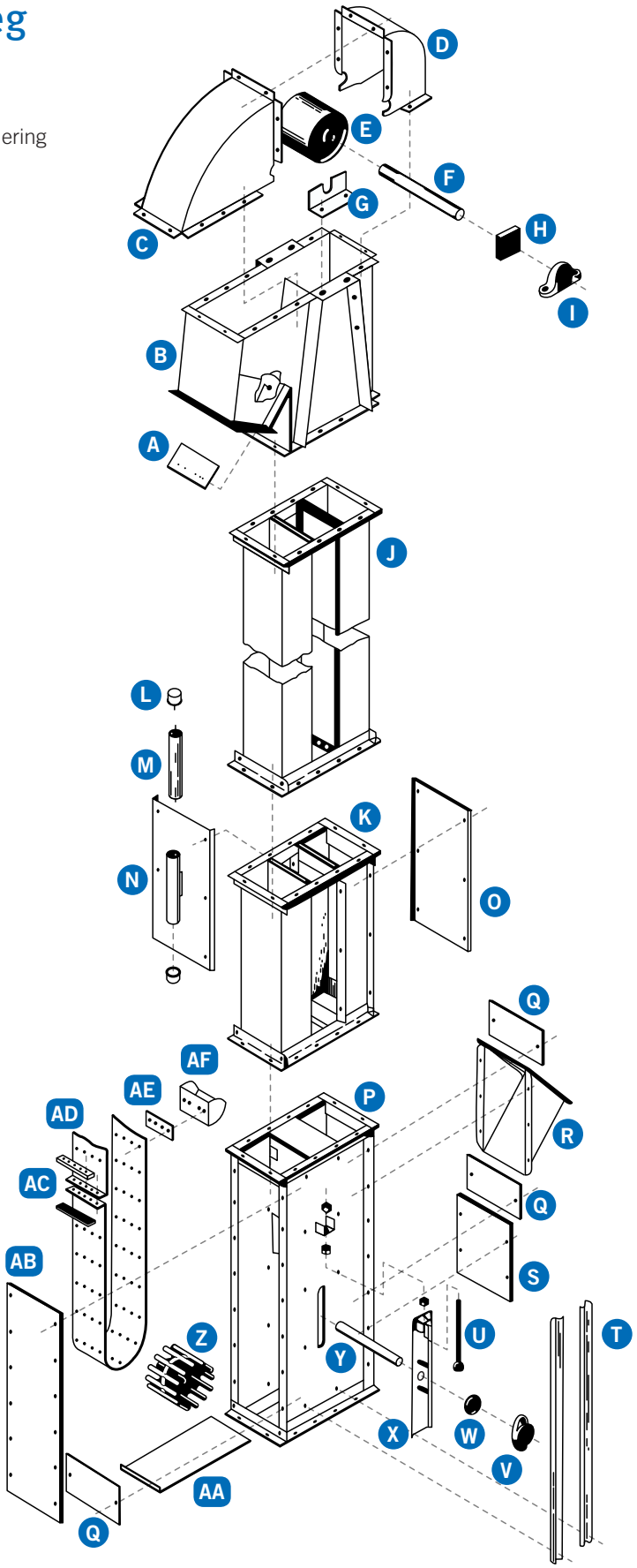
- Non-ferrous metal of very high tensile strength
- Usable on belts up to 1200 PIW tensile
- Non-sparking, non-corroding and non-rusting
- Bronze color

Belt Splice CI

- Ferrous metal of moderately high tensile strength
- Usable on belts up to 600 PIW tensile
- Silver color

Bucket Elevator Leg Repair Parts

Use this reference drawing when ordering repair parts for your bucket elevator.



Bucket Elevators

Let us help you design the bucket elevator that works for your conditions. We combine our decades of experience and partnerships with the top manufacturers to design and deliver the elevator equipment that works for you. Call us today for a customized quote.

Common Types:

- Traditional Grain Handling
- C-Style
- F-Style
- P-Style
- Z-Style

Painted Steel – Galvanized – Stainless Steel

Specifications Can Include:

- Smallest to Largest Capabilities
- Conventional Steel, Plastic, or Low-Profile Buckets/Cups
- Rubber or PVC Leg Belting
- Screw Take-Up or Gravity Boot Pulley
- Fully Lined in High Wear Areas
- Gear Reducer Drive with Backstop
- Ladder, Cage and Work Platforms
- Optional Motion Sensor

Grain Cushioning

Many types of grain cushioning options available to suit your needs:

- **Box-Style End Retarders:** Up to 90° angle, gum rubber cushion and removable inspection door.
- **Self-Clean End Retarder:** Up to 90° angle, gum rubber cushion and removable inspection door.
- **Pipe-Style End Line Retarders:** Gum rubber cushion and removable inspection door.
- **Self-Clean End Line Retarders:** Gum rubber cushion and removable inspection door.

Quick-Clean Cushion Box

- Externally adjustable to maintain proper cushioning
- Lifts up to clean out built-up product
- Can be left up for full flow requirements
- Lifts manually or powered by air, electric or hydraulic

Self-Clean Cushion Box

Our Self-Cleaning Cushion Boxes are designed for 40° and 50° of incline. The cushion box's discharge flange can be shipped loose, for field installation, or can be welded to fit customer's specifications.

Bucket Elevator Lining Materials

Line your elevator head housing with abrasion-resistant expanded metal back urethane. Easy to install and provides excellent impact resistance, good low temperature properties, noise reduction and corrosion resistance. In stock and ready to ship. Call us today.

Ladder, Cage and Work Platforms

We carry the ladders, cages and work platforms you need to complete your grain elevator system or project. Call us today for a quote.

Bucket Elevator Hardware

We carry the full line of elevator bolts, nuts and washers you need for your application. Available in carbon steel and stainless steel.

Bolts

- No. 1 Norway Flat/Countersunk Head
- Fanged/Pointed Fanged
- No. 3 Eclipse Slotted Heads

Nuts and Spacers

- Hex Nut
- Square Nut
- Large Flange Serrated Lock Nut
- Nylon Insert Lock Nut
- Poly Spacers

Washers

- Flat Washers
- Split Ring Lock Washers
- Internal Tooth Lock Washers
- Fender Washers
- Leather Washers
- ⅛" and ¼" Thick Neoprene Washers

Heavy-Duty Bolt Cutter for Elevator Cup Removal

Removing elevator cup bolts has never been safer or easier! The 42" Gearn Nutcutter fits standard ¼" or 5⁄16" mild steel bolts with teeth that point directly into the cup. Durable, heat-treated alloy teeth make easy work of snapping bolts in two. A problem-solver for elevator owners across the U.S., your American-made Gearn Nutcutter will provide many years of service.

Elevator Buckets

We offer all the top brands, including Tapco® and Maxi-Lift® / TIGER-TUFF®, for polyethylene, nylon, urethane and steel elevator buckets in all punching and venting patterns and sizes to fit your needs. Heavy-duty, low-profile and special punch and venting patterns are available.

Materials	**HD Polyethylene**	**Nylon**	**Urethane**	**Special Resins** (as available)
Application	Grain and food products	Hot, high-impact, abrasive, dense products	Heavy abrasion, sticky materials	Product conditions not suitable for in-stock bucket materials
Temperature	-120°F to +180°F (210°F intermittent)	-60°F to +300°F (350°F intermittent)	-60°F to +180°F (210°F intermittent)	As required
FDA-Approved Material	Yes	Available upon request	Yes	As required
Comments	Economical, high-density polyethylene, FDA-approved materials for handling food-grade products.	Best for high heat applications, with tough impact and abrasion needs.	Most flexible and abrasion-resistant. Resists product sticking and sharp cutting particles.	For specific requirements, such as extreme temperature, abrasion, color or product discharge.

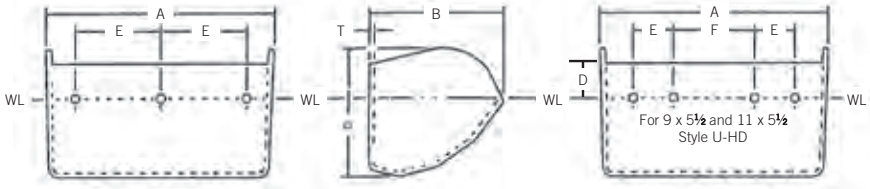
Contact us for all of your cup requirements

NOTE: When changing brands or types, elevator engineering is very important.

The following information is needed:

1. Replacing steel or plastic
2. Existing or expected capacity
3. Spacing on belt
4. Bolt hole quantity and spacing
5. Drive type: V-belt, direct or roller chain
6. Head pulley speed
7. Head pulley diameter
8. Tail pulley diameter
9. Products handled
10. Up leg or down leg feeding — or both
11. Gravity or controlled feeding

High-Density Polyetheylene Elevator Buckets



Standard Bolt Holes Drilled on the WL (Water Level) Line ±¼"

Style CC-HD Buckets

Size (Nominal) Metric	Size (Nominal) Inches	Dimension — Actual (in.) Tolerance A, B, C + ⅛" - T+ 1/64"				Drilling Standard (in.)[5] Tolerance D ± ¼"					Capacity[1] Tolerance ± 3%				Spacing on Belt (Minimum) In.	Weight (lbs.)		Number Per Carton
											WL		WL +10%			Each (Average)	Per Carton (Average)	
		Length	Proj.	Depth	Thickness	From Top	Center to Center		Number Holes	Bolt Diameter	Cu. In.	Cu. Ft.	Cu. In.	Cu. Ft.				
		A	B	C	T	D	E	F										
80-60	3 x 2	3¼	2½	2 1/16	11/64	⅞	1¾		2	¼	6.0	.0035	6.60	.0038	3	.13	3.6	24
120-80	4 x 3	4¼	3½	3 1/16	3/16	⅞	2½		2	¼	16.8	.0097	18.48	.0107	4	.26	7.1	24
140-120	5 x 4	5¼	4½	4 1/16	13/64	1¼	3 3/16		2	¼	35.8	.0207	39.38	.0228	5	.46	12.6	24
160-120	6 x 4	6¼	4½	4 1/16	13/64	1¼	4⅜		2	¼	43.3	.0251	47.63	.0276	5	.53	13.8	24
180-120	7 x 4	7¼	4½	4 1/16	13/64	1¼	2 11/16		3	¼	49.7	.0288	54.67	.0316	5	.60	15.9	24
160-140	6 x 5	6 5/16	5½	5 1/16	¼	1½	4⅜		2	¼	68.3	.0395	75.13	.0435	6	.80	20.8	24
180-140	7 x 5	7 5/16	5½	5 1/16	¼	1½	2 11/16		3	¼	75.8	.0439	83.38	.0483	6	.98	25.2	24
200-140	8 x 5	8 5/16	5½	5 1/16	¼	1½	3 1/16		3	¼	85.4	.0494	93.94	.0544	6	1.10	28.3	24
230-140	9 x 5	9 5/16	5½	5 1/16	¼	1½	3⅝		3	¼	97.9	.0567	107.69	.0623	6	1.02	26.4	24
260-140	10 x 5	10 5/16	5½	5 1/16	¼	1½	4⅛		3	¼	113.5	.0657	124.9	.0723	6	1.24	32.1	24
280-140	11 x 5	11 5/16	5½	5 1/16	¼	1½	3		4	¼	127.2	.0736	132.22	.0766	6	1.27	32.7	24
300-140	12 x 5	12 5/16	5½	5 1/16	¼	1½	3⅜		4	¼	143.1	.0828	157.41	.0911	6	1.35	34.8	24
200-160	8 x 6	8 5/16	6⅝	6 1/16	¼	1¾	3 1/16		3	¼	124.5	.0720	136.95	.0793	7	1.34	35.0	24
230-160	9 x 6	9 5/16	6⅝	6 1/16	¼	1¾	3⅝		3	¼	135.9	.0786	149.49	.0865	7	1.45	37.6	24
260-160	10 x 6	10 5/16	6⅝	6 1/16	¼	1¾	4⅛		3	¼	150.4	.0870	165.44	.0957	7	1.57	40.5	24
280-160	11 x 6	11 5/16	6⅝	6 1/16	¼	1¾	3		4	¼	173.4	.1003	190.74	.1104	7	1.69	43.5	24
300-160	12 x 6	12 5/16	6⅝	6 1/16	¼	1¾	3⅜		4	¼	185.4	.1073	203.94	.1180	7	1.76	45.2	24
330-160	13 x 6	13 5/16	6⅝	6 1/16	¼	1¾	3⅝		4	¼	203.8	.1179	224.18	.1297	7	1.85	24.6	12
350-160[2]	14 x 6	13⅞	6⅝	5⅞	¼	1¾	3		5	¼	198.3	.1148	218.13	.1262	7	1.98	26.2	12
260-180	10 x 7	10 7/16	7¾	7 1/16	9/32	2	4⅛		3	5/16	219.4	.1270	241.34	.1397	8	2.01	18.5	8
280-180	11 x 7	11 7/16	7¾	7 1/16	9/32	2	3		4	5/16	234.2	.1355	257.62	.1491	8	2.31	21.1	8
300-180	12 x 7	12 7/16	7¾	7 1/16	9/32	2	3⅜		4	5/16	248.2	.1436	273.02	.1580	8	2.43	22.0	8
330-180	13 x 7	13 7/16	7¾	7 1/16	9/32	2	3⅝		4	5/16	284.4	.1646	312.84	.1810	8	2.62	23.7	8
350-180	14 x 7	14 7/16	7¾	7 1/16	9/32	2	3		5	5/16	301.9	.1747	332.09	.1922	8	2.76	25.0	8
370-180	15 x 7	15 7/16	7¾	7 1/16	9/32	2	3¼		5	5/16	331.4	.1918	364.54	.2110	8	3.02	26.9	8
400-180	16 x 7	16 7/16	7¾	7 1/16	9/32	2	2⅞		6	5/16	346.5	.2005	381.15	.2206	8	3.13	27.9	8
450-180[4]	18 x 7	18 7/16	7¾	7 1/16	11/32	2	3⅛		6	5/16	396.7	.2296	436.4	.2525	8	4.00	35.9	11
500-180[4]	20 x 7	20 7/16	7¾	7 1/16	13/32	2	3½		6	5/16	433.3	.2508	476.6	.2758	8	4.50	41.9	11

Style CC-HD Super Capacity Buckets

260-215	10 x 8	10 7/16	8¾	8 13/16	11/32	2¼	4⅛		3	5/16	297.0	.1719	326.70	.1891	9	2.95	26.6	8
280-215	11 x 8	11 7/16	8¾	8 13/16	11/32	2¼	3		4	5/16	325.9	.1886	358.49	.2075	9	2.99	26.9	8
300-215	2 x 8	12 7/16	8¾	8 13/16	11/32	2¼	3⅜		4	5/16	326.0	.2095	398.20	.2304	9	3.02	27.4	8
330-215	13 x 8	13 7/16	8¾	8 13/16	11/32	2¼	3⅝		4	5/16	390.2	.2258	429.22	.2484	9	3.17	28.8	8
350-215	14 x 8	14 7/16	8¾	8 13/16	11/32	2¼	3		5	5/16	429.6	.2486	427.56	.2735	9	3.31	30.0	8
370-215	15 x 8	15 7/16	8¾	8 13/16	11/32	2¼	3¼		5	5/16	458.9	.2656	504.78	.2921	9	3.72	33.2	8
400-215	16 x 8	16 7/16	8¾	8 13/16	⅜	2¼	2⅞		6	5/16	511.1	.2958	562.21	.3254	9	4.27	37.7	8
450-215	18 x 8	18 7/16	8¾	8 13/16	25/64	2¼	3⅛		6	5/16	564.4	.3266	620.84	.3593	9	4.89	43.2	8
500-215	20 x 8	20 7/16	8⅞	8 15/16	13/32	2¼	3½		6	5/16	644.2	.3728	708.62	.4101	9	5.77	52.2	8
400-230	16 x 9	16 7/16	10	10⅛	7/16	2¼	2⅞		6	5/16	614.8	.3558	676.3	.3914	10	6.06	39.4	6
500-230	20 x 9	20 7/16	10	10⅛	15/32	2¼	3½		6	5/16	770.5	.4459	847.6	.4905	10	7.75	49.9	6

Style U-HD Buckets Fit Universal Industries Elevators

120-80[3]	4 x 3	3⅞	3	3 1/16	3/16	⅞	1⅞		2	¼	11.3	.0065	12.4	.0072	31/4	0.19	5.6	24
160-120	6 x 4	6¼	4⅛	4 1/16	13/64	1½	2¾		2	¼	35.4	.0205	38.9	.0225	41/4	0.51	13.4	24
180-120	7 x 4½	7¼	4⅜	4 1/16	13/64	1½	2½		3	¼	44.2	.0256	48.6	.0281	5	0.58	15.1	24
230-150	9 x 5½	9 5/16	5½	5 1/16	¼	1¾	1¾	3½	4	¼	97.9	.0567	107.7	.0623	6	1.02	26.4	24
500-150[4]	20 x 5½	20 7/16	6	5½	13/32	2	1¾	3¼	7	¼	157.0	.0909	172.7	.0999	6	2.83	49.5	16
280-160	11 x 5½	11 5/16	6⅝	6 1/16	¼	1¾	1¾	2¾	5	¼	173.4	.1003	190.7	.1104	6	1.69	43.5	24
280-180	11 x 7	11 7/16	7¾	7 1/16	9/32	2	3⅛		4	5/16	234.2	.1355	257.6	.1491	8	2.31	21.1	8
300-215	12 x 8	12 7/16	8¾	8 13/16	11/32	2¼	3⅜		4	¼	362.0	.2095	398.2	.2304	9	3.02	27.4	8
350-215	14 x 8	14 7/16	8¾	8 13/16	11/32	2¼	3		5	¼	429.6	.2656	472.6	.2735	9	3.31	30.0	8

[1] Tapco recommends using WL (water level) fill + 10% for usable capacity. A gross capacity figure is no longer provided as it is inappropriate for rating an agricultural elevator bucket.
[2] 14 x 6 bucket was designed to fit Hunter Mfg. Grizzly elevators. [3] Universal refers to this bucket as 3¾ x 3 in fabricated steel; the buckets are completely interchangeable.
[4] Modified (cut down) from an 8" projection bucket. [5] Holes drilled 1/32" oversize.

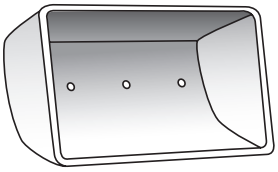
Bucket Punching Comparison Chart

Plastic	3x2	4X3	5X4	6X4	7X4	6X5	7X5	8X5	9X5	10X5	11X5	8X6	9X6	10X6	11X6	12X6	13X6	10X7	11X7	12X7	13X7	14X7	15X7	16X7	11X8	12X8	13X8	14X8	16X8	18X8	20X8	16X10
Maxi-Lift	1¾	2¼	3⁹⁄₁₆	4⅜	2⅝	4⅜	2⅝	3¹⁄₁₆	3½	4	3⅛	3¹⁄₁₆	3½	4	3	3⅜	3⅝	4	3	3⅜	3⅝	3	3¼	3½	3 ⅛	3⅜	3⅝	3	3½	3⅛	3½	3⅞
Dura-Bucket		2¼	3⁹⁄₁₆	4⅜	2¹¹⁄₁₆	4⅜	2⅝	3¹⁄₁₆	3¼			3¹⁄₁₆	3½	4	3	3⅜	3⅝	4	3	3⅜	3⅝	3	3¼	3½		3⅜		3	3½	3⅛	3½	3⅞
Tapco	1¾	2¼	3⁹⁄₁₆	4⅜	2¹¹⁄₁₆	4⅜	2¹¹⁄₁₆	3¹⁄₁₆	3⅝	4⅛	3	3¹⁄₁₆	3⅝	4⅛	3	3⅜	3⅝	4⅛	3	3⅜	3⅝	3	3¼	2⅞	3	3⅜	3⅝	3	3⅞	3⅛		
Grain Belt (KI Willis)				4⅜		4⅜	2¹¹⁄₁₆	3¹⁄₁₆	3⅝				3⅝	4⅛	3	3⅜	3⅝		3	3⅜	3⅝	3		2⅞		3⅜		3	3⅞	3⅛		3⅞
Screw Conveyor				4⅜	2¹¹⁄₁₆		2¹¹⁄₁₆	3¹⁄₁₆	3⅝				3⅝	4⅛	3	3⅜			3	3⅜		3		2⅞					3⅞	3⅛	3½	
4 B Elevator Components		2	3⅜	4⅜	2¹¹⁄₁₆	4⅜	2¹¹⁄₁₆	3¹⁄₁₆	3⅝				3⅝	4⅛	3	3⅜			3	3⅜		3		2⅞		3⅜		3	3⅞	3⅛	3½	
Metal																																
Grain Belt		2½	3⁹⁄₁₆	4⅜	2¹¹⁄₁₆	4⅜		3¹⁄₁₆	3⅝	4⅛	3	3¹⁄₁₆	3⅝	4⅛	3	3⅜	3⅝	4⅛	3	3⅜	3⅝	3	3¼	2⅞	3	3⅜	3⅝	3	3⅞	3⅛		
K. I. Willis	2	2½	3½	4½	2⅝	4½		3⅛	3½	4	3⅛	3⅛		4	3⅛	3⅜	3⅝	4	3⅛	3⅜	3⅝	4	3¼	2⅝ 2¼	3⅛	3⅜	3⅝	4	3⅝ 3¼	4		
4B Elevator Components				4⅜				3¹⁄₁₆	3½ 3⅝				3½ 3⅝	4 4⅛	3 3⅛	3⅜			3 3⅛	3⅜				2⅞				4 3	3⅞			
Nu-Hy		2⁵⁄₁₆	3⁹⁄₁₆	4⅜	2¹¹⁄₁₆	4⅜		3¹⁄₁₆	3⅝	4⅛	3	3¹⁄₁₆	3⅝	4⅛	3	3⅜		4⅛	3	3⅜		3	3¼	2⅞								
Salem		2⁵⁄₁₆	3⁹⁄₁₆	4⅜				3¹⁄₁₆	3⅝	4⅛			3⅝	4⅛	3	3⅜	3⅝	4⅛	3	3⅜	3¾	3	3¼	2⅞	3⅛			3	3⅞	3⅛		

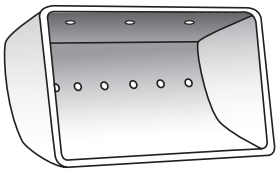
** Standard only — cups can be punched on any spacing*

*** Chart is a representation of the standard punching of each company. Punching patterns should be verified at time of purchase.*

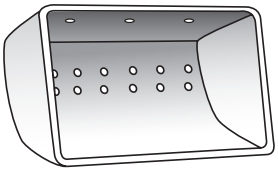
Venting Options



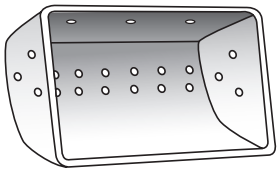
#1 Standard Vent
Same holes in body as bolt mounting holes, plus a hole in each end cap.



#2 Vent
Twice as many holes in body as bolt mounting holes.



#3 Vent
Same as #2, but two rows, or four times as many holes as bolt mounting.



#4 Vent
Same as #3, plus three holes in each end cap.

Computing Bucket Elevator Capacity

When figuring the capacity of your bucket elevator, first gather the following information:

Capacity of the bucket at water level (cubic inches)	Number of buckets per foot (12" ÷ spacing in inches)	Number of rows of buckets on the belt	Speed of the belt or chain FPM (feet per minute)	Cubic inches per hour *(see below for conversion)*

_____ X (12" ÷ _____) X _____ X _____ X 60 = _____
MINUTES

Multiply the capacity of the bucket times the number of buckets per foot (12 divided by spacing) times the number of rows of buckets. This will give the capacity in cubic inches of each running foot of the belt or chain. Multiply the answer times the speed of the belt or chain in FPM for the capacity discharged per minute. Then multiply by 60 minutes to get cubic inches per hour. For engineering purposes, we recommend using water level capacity as the basis for calculation. Actual bucket fill will vary depending on the product and operational conditions.

Convert as follows:

Bushels: Divide by 2,150 to convert to bushels

Cubic Feet: Divide by 1,728 to convert to cubic feet

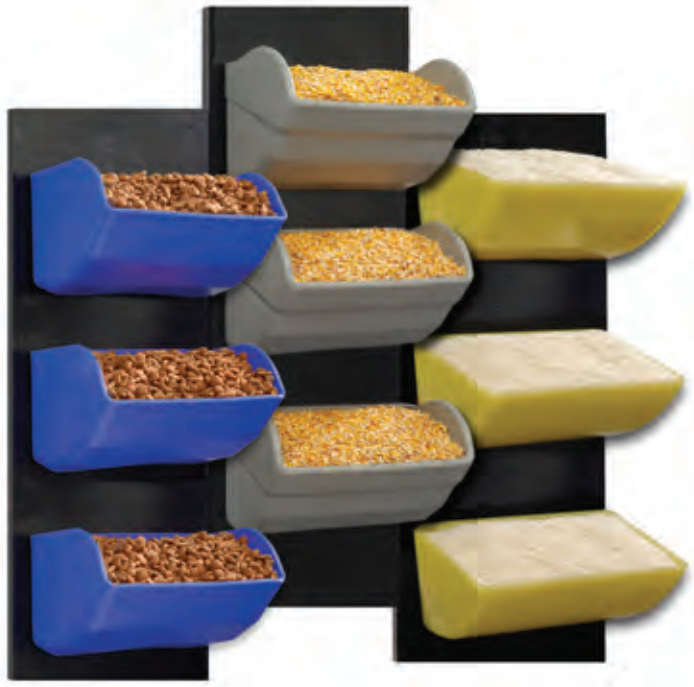
Tons: Multiply cubic feet capacity times weight of product per cubic foot and divide by 2,000

Metric Tons: Multiply cubic feet capacity times weight of product per cubic foot and divide by 2,204.62

Elevator Buckets

We carry the full lines of Tapco® and Maxi-Lift® (including TIGER-TUFF®) elevator buckets in polyethylene, nylon, urethane and other materials to assure you of precise discharge, perfect fit, high-speed handling, increased safety and ease of installation. Contact our team of experts today to discuss your elevator bucket needs.

Tapco Inc.



Tapco Buckets

- **Polyethylene, Nylon or Urethane Style CC-HD, XD and U-HD:** A heavy-duty agricultural bucket for handling grains, feeds, fertilizers, seeds, salt, sand, chemicals and a variety of other free-flowing materials. Polyethylene is ideal for most applications, while nylon or urethane is recommended for highly abrasive products or extremely high throughput elevators.
- **Polyethylene, Nylon or Urethane Low Profile:** The same CC-HD, XD or U-HD style agricultural duty bucket as described above only modified to a “low profile” to allow closer spacing on the belt. Used to increase bucket elevator capacity over what can be achieved using conventional buckets and spacings.
- **Polyethylene, Nylon, Urethane Super EuroBucket and EuroBucket:** A European-style agricultural duty bucket molded in a “low profile” configuration. Super EuroBuckets and EuroBuckets are a direct interchange/replacement of European pressed steel and molded nonmetallic buckets.

Maxi-Lift Inc.®

TIGER-TUFF
MAXIMUM DUTY ELEVATOR BUCKETS

Maxi-Lift Buckets

Maxi-Lift elevator bucket brands include TIGER-TUFF, TIGER-CC, MAXI-TUFF, CC-MAX, HD-MAX and HD-STAX.

The TIGER-TUFF is the original maximum-duty elevator bucket, designed and engineered to increase bucket life and reduce breakage. This reduces down time and lowers maintenance costs. The TIGERTUFF bucket has the thickest lip, back wall and corners to extend the life of the bucket. The most common applications include grain, fertilizers, pellets, corn, wheat, soybeans and other agricultural and light industrial applications. This is the ideal bucket for high-volume applications. The recommended belt width for a single row of buckets is actual bucket width plus 2". Standard spacing is nominal projection + 2". Minimum spacing is nominal projection +1".

The TIGER-TUFF Low Profile has a reduced height modification for closer vertical spacing on the belt. The low profile system allows more buckets per foot of elevator belt. When upgrading to TIGER-TUFF Low Profile buckets, horsepower requirements must be evaluated due to increased capacity.

Features and Benefits of TIGER-TUFF Buckets

- Thicker corners and walls
- Heavy front lip for digging
- Increased elevator capacity
- Cleaner discharge
- High impact and abrasion resistant
- Reduced elevator maintenance
- Decreases elevator down time
- Extended bucket life
- Non-corrosive and non-sparking

Drag Conveyors

Let us design the drag conveyor that works for your conditions. We combine our decades of experience and partnerships with the top manufacturers to design and deliver the conveyor that is specific to your needs. Call us today for a customized quote.

Drag Conveyors

- Round Bottom
- Flat Bottom (En Masse)

Painted Steel – Galvanized – Stainless Steel

Specifications and Benefits Include:

- Smallest to largest capabilities
- Feeding is uniform and completely accurate
- Materials are handled as solid columns
- There are no internal disturbances or pressure on materials
- Loads can be discharged at any opening
- Maintenance-friendly tail section
- External-mount pillow block bearings
- Heavy-duty chain tension take-up system
- Flame cut hardened steel sprockets
- Split hubs available
- Any size or configuration you need

Drag Conveyor Parts

All component parts available for Flat and Round Bottom Conveyors.

- Chain
- Paddles (Flights)
- Sprockets
- Troughs
- Lids
- Lining Materials
- Head and Tail Shafts
- Motors and Drives
- Return Idlers

Conveyor Chain

We are able to match all existing types of chain for all conveyors (flat and round bottom) along with the ability to provide the specified attachment brackets with required fasteners.

Materials:

- Mild Steel
- Galvanized
- Stainless Steel

Types:

- C-55
- C-188
- WH Series
- Forged Chain
- Roller Chain

Drag Conveyor Replacement Flights

UHMW (Ultra High Molecular Weight) Polyethylene

Replacement for all major drag conveyors

- **Strength:** Practically indestructible. Will take more abuse than rubber, nylon, aluminum, neoprene, high-density polyethylene and combination steel with insert flights. Eliminate broken flights.
- **Abrasion Resistance:** The most highly abrasion-resistant thermoplastic produced today. Will outlast all other materials used in conventional flights.
- **Flexibility & Memory:** Has the ability to "flex and give" tremendously to pass an obstruction, then return to its original shape.
- **Low Coefficient of Friction:** This means less resistance to the sliding action between the flight and trough. Reduces workloads on drives and motors while reducing wear on flights and trough.
- **Chemical Resistance:** Impervious to most acids and alkalies.
- **FDA Status:** The white (virgin) UHMV polyethylene meets the requirements of the Food Additives Laws and Regulation No. 177.1520. It is ideal for food handling.
- **Heat & Cold Resistant:** Operating range from -60°F to +225°F continuous. Up to +250°F intermittently.
- **Clean:** Naturally slick surface resists buildup of moist or sticky products.
- **Economical:** Low initial cost plus longer life and less down time adds up to savings.

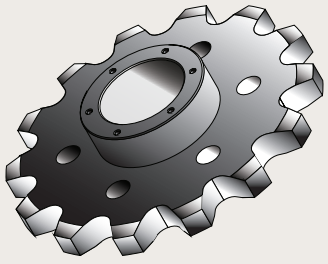
When ordering, specify:

1. Manufacturer of conveyor
2. Shape — round or square bottom
3. Thickness of flight
4. Size — overall width and height, drawing or sample
5. Center notch dimension
6. Drilling — number of holes and location

If there is doubt about exact hole location, you may consider sending us a photocopy of your flight by email or fax transmission.

Sprockets

Available in all sizes and materials. Custom drilled to the specified hole diameter. Sprocket to match chain type and conveyor at the lowest cost on the market.



Motors

Looking to replace your electric motor? Call today for a quote. Most sizes available to ship the same day.

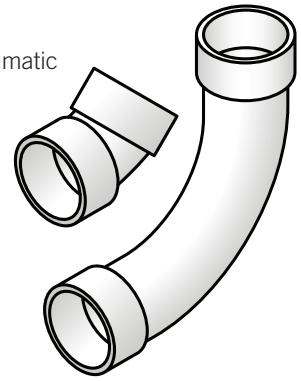
- General Purpose
- Premium Efficiency
- Severe Duty
- Explosion Proof
- Fractional
- Air Handling
- Pump Motors
- Farm Duty

Pneumatic Conveying

A complete line of tubing, fittings and bends for industrial, commercial and institutional vacuum systems. Typical applications include wet/dry material clean-up, high-velocity dust collection and special production applications.

Sweep Elbows

Short and long radius bends for pneumatic conveying systems. Readily available from stock in a variety of materials, wall thicknesses and center line radius.



Available in aluminum, stainless steel, carbon and galvanized steel.

Different wall thicknesses available upon request with lining options.

Compression Couplings

Couplings designed to join pipe and tubing for pneumatic conveying systems.

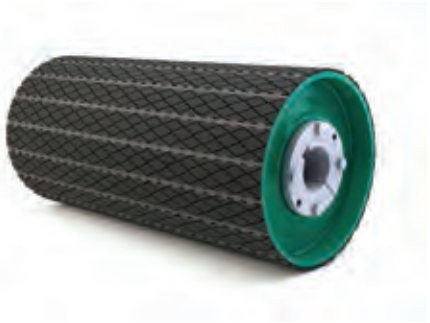
- Easy to install
- Pipe and tube sizes ½" through 48"
- Standard construction is galvanized steel
- Also available in stainless steel and aluminum
- Gasket materials: black and white neoprene, silicone and others
- Static conductive grounding strip is standard

Pulleys

We offer a full line of conveyor pulleys and accessories at competitive prices.

Types include:

- Heavy-Duty Drum Pulleys
- Spiral Drum Pulleys
- Heavy-Duty Wing Pulleys
- Spiral Wing Pulleys
- Herringbone Wing Pulleys
- Hubs
- Bushings
- Shafts
- Lagging



Ask about our special cut-to-order lagging kits!

Lagging

We offer the pulley lagging you need.

Common Types

- Slide Lagging is bonded to rigid backing, which is then formed to a specific diameter. Lagging can be used with or without retainers and is ideal for agriculture, food processing, power plants, feed and grain, and general industry. Lagging is replaceable at any time with little effort.
- Rough Top is used for small diameter drive pulleys when wear is not a problem. It gives excellent traction, without cutting grooves.
- Grooved Lagging is used in many different applications. Different groove patterns, such as diamond or chevron point, all provide different benefits.
- Edge Crown Lagging provides a crown on a flat faced pulley.

Ask about our custom lagging kits; we cut your pulley lagging to precise measurements and provide custom retainers, installation bolts, lock nuts, allen wrench and drill bits. Save time and money with no cutting and no waste.

Friction Pulleys

Fiber pulley available in all diameter sizes and bolt hole specifications for belt trippers and car pullers. We can custom build those hard to find outdated trippers and represent the only remaining source for this line of friction pulleys in the industry.

Screw Conveyors

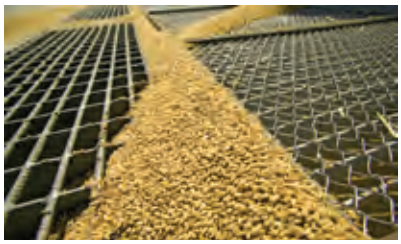
Let us design a complete screw conveyor system to fit your needs. All of the required components for your new or existing unit, including conveyor screw, hangers and bearings, trough ends, covers, feed and discharge spouts, drive packages and bolts, are available.

Call us today for every screw conveyor part and accessory for your new or existing unit.

- **Conveyor Screws** — The Conveyor Screw rotates within a trough, creating a smooth positive motion. Helicoid and sectional screws are available in right-hand or left-hand configurations. Stainless steel, carbon steel and special alloys are available.
- **Couplings and Shafts** — Couplings, drive and end shafts connect and transmit to rotary motion to following conveyor screws. It is important that the shafts selected be of sufficient strength to handle the expected horsepower load. Available in drilled and self locking to fit your needs.
- **Screw Conveyor Hangers and Bearings** — Hangers provide support, help maintain alignment and serve as bearing surfaces in the screw conveyor system. Various styles, sizes and material available.

- **Abrasion-Resistant Liners for Screw Conveyor Troughs** — We carry the AR U-Trough liners you need. 10 GA. Bolt-in and weld-in are in stock. Special sizes are also available.
- **Screw Conveyor Feed and Discharge Spouts** — All types available. With hand, electric, hydraulic or pneumatic powered gates.
- **Screw Conveyor Supporting Feet and Saddles** — Used to align and fasten the trough to the floor or existing structure.
- **Screw Conveyor Trough Ends** — Trough Ends support the conveyor screw and trough and hold the rotating screw conveyor in position. Several bearing styles and seals are available to meet your specifications. We can help you with new or replacement trough ends for your system.
- **Screw Conveyor Troughs, Covers, Clamps and Shrouds** — Ruggedly constructed standard “U” and other styles of troughs including tubular. Covers, clamps and shrouds available for all applications.
- **Drive Reducers** — A Helical Screw Conveyor Drive consisting of a fully enclosed single or double reduction reducer with a CEMA drive shaft, mounting adapter, V-drive and motor mount assembly. Screw Conveyor Drives feature precision high quality gearing, rugged and corrosion-resistant cast iron housings, roller bearings that meet/exceed ABMA ratings, precision machined and hardened shafts for maximum load capacity, along with three alternatives in standard adapter seals. Benefits are cost savings due to long life of drive, high thrust load capacity, high range of ABMA ratios and CEMA standard drive accessories.
- **Accessory Components** — All V-Belts, Sheaves and other accessory components are all available with quick shipment.

Pit Covers



We offer many options for your standard or custom-sized pit cover. A grain pit cover is used for excluding rain water and the like from a pit constructed for below-ground temporary storage of grain transportable into and out of the pit by an auger.

Easy Cover Pit Cover

- Always lays flat to seal the pit and can be driven over without any damage.
- Easy to open and close the pit.
- Keeps water, snow and dirt from the pit.
- Long life from durable rubber material.
- Weather resistant.
- Can be rolled up.
- Covers any size pit.

To make sure you order the correct size of pit cover: add one foot overlap on all sides of the pit for the best performance. Weights on the corners may be needed in extremely windy conditions.

Material Handling

Heavy-Duty Polyurethane Material Handling Hose

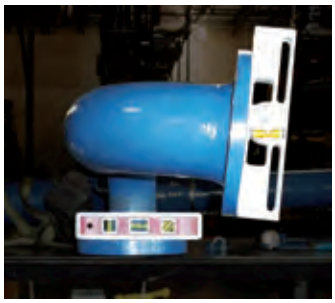
Premium-quality material handling hose designed with a thick, heavy-duty, smooth polyurethane lining. Ideal for dry applications where high abrasion resistance is required.

- Tube: Clear, thick, heavy-duty, smooth polyurethane lining
- Cover: Blue HMW PVC, formulated for static dissipation; provides flexibility in sub-zero temperatures
- Reinforcement: Rigid PVC helix
- Safety factor: 3:1
- Temperature: -40°F to 150°F
- Available in 2" to 6" I.D.
- Cut lengths available
- Below specification at 70°F
- Service temperature depends on actual application

Loading Arm Services

The ERIKS Loading Arm Repair Group offers a variety of services to ensure optimum performance in your bulk liquid transfer operations.

ERIKS has a complete repair facility in Houston, Texas. We offer swivel joint, tank truck and rail car loading arm refurbishment, both at your site and in-house at our new facility.



ERIKS can customize a Preventive Maintenance (PM) Program around your specific needs and requirements, designed to minimize downtime and extend the life of your equipment. The program goal is to ensure safe and optimal operation of your swivel joints, loading and/or unloading arms. This PM Program can help you be proactive towards maintenance instead of reactive to emergencies.

Following initial equipment inspection, an Inspection and Condition Report is issued that will detail the condition and/or recommendations for your equipment. Once the scope of work is agreed upon, our team of experienced technicians will replace and/or refurbish all equipment either at your site or at our site in a timely manner.

Loading Arms

- SBLA or TBLA
- Counterweight Balance
- Hose Handlers
- Pneumatically Actuated
- Open System
- Closed Loop System
- PTFE-Lined System
- Vapor Recovery
- Jacketed/Heated
- High Capacity

Swivel Joints

- Low Pressure Series
- Chemical Series
- Split Flange
- OEM Swivels
- Light Weight Series
- Heavy Duty

Loading Racks

- Gangways
- Safe-Walk Bridges
- Safe-Walk Ramps
- Self-Leveling Stairs
- Hydraulic Powered
- Pneumatic Powered

Accessories

- Dry Break Couplings
- API Couplers
- Vapor Recover Plate
- Vapor Recovery Cone
- Seals and Gaskets

No Worries... We Have It

THE ONE-STOP SHOP
of the feed and grain world since 1975.

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Formerly RBH Mill & Elevator

Every Mill & Elevator Part & Accessory You Will Ever Need.
Grain.EriksNA.com

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- Urethane Lining & Ceramic Tiles Material
- Conveyors, Belts & Accessories
- Bucket Elevators
- Drag & Screw Conveyor Equipment
- Motors & Drives
- Access & Monitoring Equipment
- Rail Car Hopper Gate Openers
- Complete Line of Replacement Part Componentry
- Liberty Rescue Tube

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ERIKS is your one-stop shop for all of your seed cleaning and processing equipment. Call us today for expert advice on your next equipment purchase.

Bag Closing, Filling and Handling Systems

Many bagging options to choose from. Call us today to get a quote on one that will be best suited for your needs.

- Semi-Automatic and Automatic Bag Palletizers
- Open-Mouth Baggers
- Valve Bag Packer
- Bulk Bag and Gaylord Box Filling Systems

Valve Bag Filling Machines

- Semi-Automatic and Automatic Bag Palletizers
- Open Mouth Baggers
- Valve Bag Packer
- Bulk Bag and Gaylord Box Filling Systems

Open Mouth Filling Machines

- Automatic Valve Bag Placers
- Automatic High Speed Net Weighers
- Vibratory Fillers
- Open-Mouth Auger Baggers
- Unitized Bag Filling and Closing Systems

Bag Handling

- Bag Turners
- Bag Kickers
- Closing Conveyors
- Bag Flatteners
- Automatic Check Weight and Bag Reject Systems

Bag Coders

We sell coding and marking products that include date coders ranging from handheld printers, to conveyor-mounted roller coders, to inkjet coders.

Call one of our sales reps today to get the correct fit for your application.

Bag Sewing Equipment

We offer a wide range of sewing equipment and supplies, including sewing machines, thread and needles.

Bagging Scales

Many bagging scale options available, including bench and platform, to fit your everyday needs. Scales offer extremely accurate and fast weighing of a wide range of applications, from granular free-flowing products to semi free-flowing products.

Products Handled Include:

- Sugar
- Corn
- Feed
- Salt
- Flour
- Pet Food
- Dry Chemicals
- Rice

Batch Mixing Equipment

Many different batch mixing equipment options available.

Options Include:

- Drop-Bottom Gate
- Heavy-Duty Agitator Design
- Horizontal Mixers
- Special Designed Surge Hoppers

Bean Ladders

Gentle handling for all types of free-flowing grain, including corn, soybeans, rice and wheat.

Seeds need gentle handling. Letting seed drop straight down from the loading spout increases the chances of "splits" and reduced profits. Reducing profits isn't good business … installing a Bean Ladder is. Each 10' section has 10 curved steel flights to slow seed down … and each flight is lined with ¼" of soft, durable gum rubber to cushion impact.

Even with its heavy-duty construction, a bean ladder's normal payback in a conditioning plant usually occurs within the first year. Install a Bean Ladder … built tough to treat seeds profitably.

Standard models are available in 1500, 2500, 3000 and 5000 BPH capacities. Information on other capacities is available upon request.

Cleaning and Processing Equipment for Seed and Grain

Call one of our experienced sales reps today for all of your seed and grain cleaning needs. We offer a wide variety of cleaning and processing equipment.

Available Equipment:

- **Conquest Cleaner** — 4- or 5-screen models, internal fans, 5 flow patterns.
- **Eclipse Cleaner** — The first in a line of small cleaners designed to meet the low maintenance and easy cleanout needs of the modern seedsman.
- **Gentle Roll** — Unit capacities of 1500–15,000 BPH.
- **Gravity Screeners** — Unit capacities of 1500-30,000 BPH.
- **New Generation Cleaner** — 4- or 5-screen models, internal fans, 5 flow patterns.
- **Office Tester** — Accurate, dependable performance for small lot cleaning, testing or sampling.
- **Prelude Cleaner** — 3-screen model, external fans, 3 flow patterns.
- **Scalpers** — Unit capacities of 2000–10,000 BPH.
- **Titan Cleaner** — 8-screen model, internal fan, high capacity.
- **Zig-Zag Type** — Multiple reversing sections create the necessary agitation for efficient cleaning without outside power requirements.

Color Sorters

Looking to maximize the visual appeal and performance of seed, nuts, beans, grains or other edible products with every process?

Call us today for more information on color sorters.

Coolers

The OP><FLO (Opposite Flow) or Counterflow process is the refined technology of exposing processed product to an upward moving stream of ambient airflow. As the air rises through the product, it is warmed, increasing the moisture-carrying capability of the air. The product just entering at the top of the cooling chamber is exposed to the warmest air available within the cooler, minimizing temperature shock. The product exiting the bottom of the unit is cooled to within 5–10° of the ambient air temperature. The product and air have "opposite flows." The gradual heat transfer greatly enhances product quality and reduces stressing and fines.

Coolers are available in either a rectangle, square or circular cooling chamber design, the latter being the newest technology. The circular design enables product to be evenly distributed throughout the unit, increasing cooling uniformity. The round design eliminates all poorly filled corners. A distinct advantage of the OP><FLO cooling process is the compact "footprint," or base size. Most system installations encounter limited-space situations, and the minimal footprint with OP><FLO coolers provides invaluable versatility in system design.

The "Simple Excellence" of the OP><FLO cooler is in its highly efficient design, which produces a uniformly cooled product with a low operating and installation cost compared to other conventional-type coolers.

Destoner

Destoners are ideal for separating large volumes of lighter material from smaller volume of heavy splits, flats or rounds. This purification process removes contaminants or compromised product for a significantly purer and higher quality end result.

Hi-Cap Destoner

One of the most popular destoners in the world, this is an efficient and durable machine for a wide variety of applications, including coffee, beans, seeds and recyclables.

Maxi-Cap Destoner

High-capacity destoner, made to process up to 42,000 lbs. per hour of industrial materials, including lumber products and plastics.

Debearders

The debearder operates by means of multiple steel beater arms rotating among similar stationary arms. The rotating bars are completely edged with a super-hard material to resist wear. They are factory installed on a 15° angle, which serves to rub the commodity, as well as to convey it through the machine. The pitch of each is adjustable, where more or less threshing action is essential, by merely installing it on the opposite side of the central shaft positioned to the desired angle. Heavy-duty construction – built to last!

12 Ways You Can Use a Debearder!

- Debeard barley to improve the test weight flow ability and appearance of your product.
- Hull "whitecaps" in wheat and subterranean clover.
- Clip seed oats, making them easier to drill, and easier and faster to clean.
- Increase the value of poultry and race horse oats by clipping to remove excess fibers and add a polished luster.
- Clip oats with tender hulls, which require extreme care during conditioning, to minimize hull breakage.
- Break up alfalfa pods, grass clusters, flax balls, crested wheat, fescues, brome and cassia (cinnamon) bark.
- De-awn broncho grass (in oats), dill seed, celery seed, anise seed and weed seeds.
- Break up doubles and polish tomato seed and various vine seeds.
- De-whisker carrot seed.
- Partially decorticate sugar beet seed.
- Polish and remove mold from pepper balls, coffee beans and cassia (cinnamon) bark.
- Rub, polish and de-awn many seeds other than those mentioned above.

Dust Systems

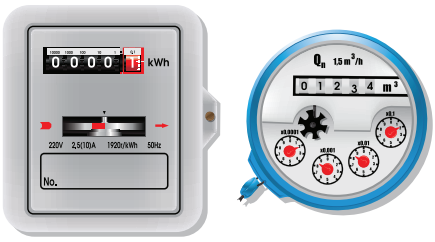
Looking for an industrial grain dust collection system?

- Cartridge Dust Collectors
- Cyclone Dust Collectors
- Bag/Media Collectors
- Extraction Arms and Accessories
- Ancillary Dust Collector Products

Call today for a quote.

Fat and Molasses Meters and Pumps

- Available with bypass
- Fits 1", 1½" and 2" pipes
- GPM recorded in gallons or pounds
- Single-hand, 6" diameter register
- Heavy-duty construction
- GPM varies with size of pipes
- Easily mounted
- Sealed greasable shafts



Legs

Bucket elevators come in a variety of sizes with features that vary from the heavy-duty models required for wheat and corn, to the gentle-handling models required for softer crops like lentils, peas and pulse crops.

ERIKS can supply bucket elevators with a variety of features to fit specific situations.

Call us today for all of your grain leg needs.

Grain Grading and Sampling

Ellis Sampler

Used to obtain a sample from falling grain.

Pelican Grain Sampler

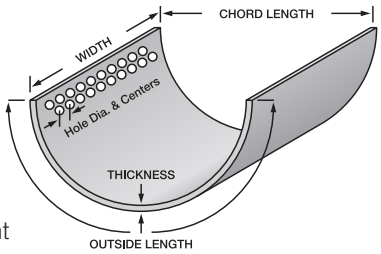
Used for obtaining samples from a falling stream of bulk grain. The pouch is approx. 18" L x 6" Dia. x 2" W and made of russet top-grade cowhide hand riveted to the frame. Meets USDA specifications.

Length Separators

Length separators allow removal of either long and/or short waste. Crops that typically require separation are wheat, oats, barley, rice, sunflower and vegetable seeds.

Hammermills

We are your **one-stop shop**. Call us today for a hammermill quote.



We can also provide you with hammermill screens with 32 different perforations to ensure we will have the right perforation and gauge for your grinding operation. We supply maximum open area screens to provide maximum throughput for your hammermill.

Hard chrome, slotted and stainless steel screens are available for special high-abrasion grinding needs.

We also have fabrication and welding capabilities for those screens that require angles, frames and other hardware.

Magnets/Metal Detectors

Plate magnets install easily in chutes to remove ferrous fines, as well as large pieces of tramp iron, from many types of free-flowing and pneumatically conveyed material. They can handle powdery, moist, lumpy and abrasive products and large debris that might choke, bridge or cause rapid wear in cartridge-based separators. Plate magnets can also be installed above conveyors or below conveyor drive pulleys to capture contaminants as material drops from open belts. Standard installation kits include a pre-drilled hinge, latch and other hardware to ensure easy mounting.

Call us for more information on magnets and metal detectors today.

Miscellaneous Conveyors

Portable Tube Conveyor

20'–60' portable units. Longer units available in stationary set-ups.

Car Unloader Conveyors

For use in unloading bulk materials from hopper bottom rail cars, hopper bottom trucks and wagons.

Moisture Testers

Make informed harvesting decisions today with grain moisture testers. They are critical to farm operation because they allow farmers to be more in control of their crop. Choose from a selection of handheld, portable and bench testers. Portable or handheld testers are suitable for quick field tests, while bench models are ideal for testing grain that is to be stored.

Palletizers

We offer several types of palletizing systems, including low-level palletizers, high-level palletizers and robotic palletizing systems, along with empty pallet dispensers, slip sheet dispensers and tie sheet dispensers.

Pellet Mills

A pellet mill, also known as a pellet press, is a type of mill or machine press used to create pellets from powdered material. Pellet mills are unlike grinding mills, in that they combine small materials into a larger, homogeneous mass, rather than break large materials into smaller pieces. We offer many types of pellet mills to choose from.

Roller Grinder

Looking for a new roller grinder, or maybe a new portable roller grinder?

Call one of our sales reps and let them give you a quote today.

The Side-Winder Belt Conveyor

When You Need:

- Full Clean Out
- Horizontal in Both Directions
- High Angle
- Top Loading
- Smooth Operation
- Minimum Maintenance

Vibratory Conveyors

Custom built to fit your specific configuration.

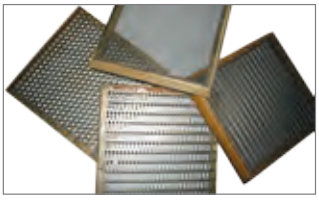
Options Include:

- Multiple Pan Flows
- Bolted Construction to Allow for Installation in Smaller Spaces
- Screening (with or without ball tray cleaning)
- Sanitary Design
- Stainless Steel Contacts
- Counterbalance for Minimal Vibration
- Multiple Widths and Lengths

Screens and Parts

Cleaner parts come many different ways. It is impossible to list every part for every cleaner. Please contact one of our customer service representatives for assistance in selecting the correct parts for your cleaner.

We can meet all of your replacement screen needs, including an exhaustive variety of replacement screens to fit any vibratory or gyratory screener, making us your one-stop shop for any replacement screens.



ERIKS can also retrofit any frame type. We will provide you with the screen only or screen with frame, whatever you need. All sizes are available for all brands and normally are in stock.

We are a fully integrated supplier of perforated high quality replacement screens and frames. We can provide screens and frames for all brands, including Carter, Clipper, Crippen, Delta, Hance, Huntley, Northland, S. Howes, Westrup and many more. Our screens are HD-18 (heavy-duty 18 gauge), high performance with herringbone pattern. We have over 140 sizes and shapes available. All frames are also available.

Contact us today!

Seed Treaters

Many seed treater options are available, including but not limited to table-top and portable designs.

Stretch Wrappers

ERIKS offers many different stretch wrapper options, including but not limited to manual, semi-automatic, automatic, specialty and foot-controlled stretch/pallet wrappers.

We can also offer you accessories for your current stretch wrapper.

Spiral Separator

The spiral separates rounds from anything that is not round. Spirals are manufactured using welded galvanized steel to withstand heat and vibration.

Spiral units are used in agricultural applications such separating good seeds from splits, weed seed, chaff, etc. Spirals are also used to separate seeds of one kind from another, based on their shape and size.

There is no one size of inner flight that will separate all types of material. Our standard inner flight sizes are 3, 4, 5, 6, 7 or 8", including half sizes, each with four separating turns. The spiral separator with direct feed has a 3" tube inlet and 3" outlets so that you can connect them directly to your equipment.

Screen-Cleaning Balls

Mesh cleaning balls are important to the operation of your screener. They control screen blinding and improve performance by stratifying the material on the screen surface. Mesh cleaning becomes less effective as balls wear.

When replacing worn balls, use balls of the same size and material as originally specified in your operation. Contact us for any assistance in determining the proper selection of the respective ball size and recommended material.

Balls with a rough appearance, hard surface or reduced rebound can indicate damage from high temperature. Oils, solvents and fumigation chemicals can cause balls to swell or become excessively soft.

To select the correct screen-cleaning balls for your application, call one of our sales reps.

Grain Equipment Parts and Accessories

As specialists who know the grain industry, we carry a full line of products and have the industry experience that creates peace of mind for our customers and their operations. Inspection doors, safety equipment, grading and testing supplies — you name it — we know it. Request a quote today, and one of our product specialists will help you right away.

Grain Grading, Sampling and Testing

We offer a full line of grain grading, sampling and testing equipment.

Available Equipment:

- Automatic Samplers
- Truck and Rail Probes
- Grain Probes

- Boerner Dividers
- Dockage Sieves
- Moisture Testers and Meters
- Sample Pans and Containers
- Sample Bags
- Porta Probes
- Scales
- Thermometers
- Tweezers, Grain Picks and Forceps
- Weight per Bushel Testers
- Filling Hoppers and Stands
- Bin Probes
- Ellis Samplers
- Pelican Grain Samplers
- Black Lights
- Grain Inspection Visual Reference Images
- Triple Beam Balances
- Weight Sets
- Portable Weigh Buggies
- Special Truck Samplers

Grain Storage and Accessories

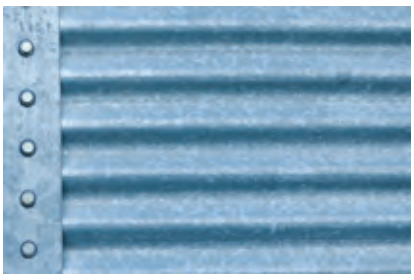
Aeration Tubing

Aeration tubing is available in all types and diameters. Aeration pipe with and without screen is available. We can supply the screen stand-alone if needed. Solid aeration piping is available as are couplings and end caps. Products are normally in stock for immediate shipment.

Aerator Pad

The Aerator Pad operates by continuously introducing air into the body of the dry powder. When a powder is first conveyed into a storage vessel, it is actually a highly aerated mixture of air and particulate. In this state, the mixture flows quite readily. However, as the powder settles, the solid particulate and air separate, resulting in a decrease in volume and an increase in bulk density. In this deaerated state, powders can behave more like a single large solid structure rather than a fluid-like mixture. By replacing the naturally lost air, the air-to-particulate mixture ratio is held, thus maintaining the fluid-like characteristic of the aerated powder.

Bin Siding



A complete line of bin siding is available for all brands of bins. Smooth wall and corrugated steel sideway are available, with the corrugated style reflecting the primary style for grain bins. Both narrow (2.33) and wide (4.00) corrugation side walls are available. Siding comes in galvanized material to increase the life of the product.

Strong upright stiffener columns help strengthen the structure, helping to carry the load of the bin to the foundation. Stiffeners feature strong splice joints with large cross sections. Stiffeners are galvanized and can be mounted internally or externally based on your requirements.

Bin Top/Roof

We offer a complete line of bin top/roof and roof panels to match existing brands for your replacement needs.

Bin Unloading Systems

6", 8" and 10" standard component systems available for 14"–48" diameter bins.

Klean Sweep… the finishing touch. All Klean Sweeps feature sealed, self-aligning bearings and a motor mount with pivot stem. The unique back-up shield and torque tube combination adjusts for close floor clearance to maximize bin cleanup. It removes the grain in one or two revolutions, eliminating the need for an electrical swivel connector. A rubber disc wheel follows the bin perimeter on the sweep end, providing a forward movement and preventing sweep flight contact with the floor. An intermediate bearing stabilizes the sweep flight on 30" and larger bins.

Bins — Grain, Feed and Bulk

Complete range of Grain Bins available. Single-source supply line for grain bins, bulk bins and ingredient bins. We also offer a full line of accessories, such as floor aeration and flooring, catwalks and towers. All replacement parts are also available in complete form. We provide a full range of brands and can assist you in matching your application at the best economic value.

Centrifugal Fans

First in Airflow, Flawless Performance.
The fan is the key to a successful drying or aeration system. Fan wheels are statically and dynamically balanced for smooth, trouble-free operation.

Quiet operation provides a safer working environment. Powder-coat painted, galvanized venturis are extremely rust and corrosion resistant. Adjustable leveling legs on 3–20hp fans allow easy leveling and support while giving more flexibility to adjust to inconsistencies in concrete pads.

Double inlet fans are available on 30hp and larger 1750 RPM fans. The double-blade design blows away comparable single-blade fans in airflow and efficiency.

All fans are available in 50 Hz and other voltages to meet worldwide requirements.

An exclusive lip on the fan outlet easily connects the fan to the heater or transition to form an airtight seal.

Housings are made from heavy-duty, galvanized steel to resist rust and stand up to the elements. Curved spun-inlet venturis improve efficiency.

We also offer a full line of high speed (3500 RPM) centrifugal fans, which are ideal for deep grain depths, aerating small grains or any application with high static pressure, such as commercial applications.

In-line fans feature a centrifugal fan wheel built into an axial housing and are ideal for higher static pressures. We now offer 25hp and 40hp single-inlet centrifugal fans. 25hp single-inlet fans are available with electric motor or direct engine drive.

Custom Auger Accessories

All accessories available for your custom auger application.

Accessories Include:

- Bin Wells
- Hopper Tail Piece with Bearing and/or Slide Gate
- Slide Gate
- Control Gate
- Intake Guard with Bearing

Custom Augers

Custom augers can be ordered in any length and size in varying degrees of thickness. Augers can be made in standard and half/quarter pitch if needed.

We can also ship unmounted flighting on same day of order.

Call us for any auger application, and we can design a system to meet your material handling needs.

Axial Fans

Our axial fans give you the highest airflow for the money! They provide maximum airflow at lower static pressures, are ideal for aeration and in-bin drying applications and feature galvanized housings to resist rust.

Unique square end plates maintain the accurate roundness of the housing and give uniform support all around. Blades are secured to the motor shaft with Trantorque bushings to ensure the most secure attachment, as well as serviceability.

All fans are available in 50 Hz and other voltages to match worldwide requirements.

Exclusive, patented built-in venturi on 24" and larger fans increase airflow. 12"–18" fans are ideal for aeration applications where static pressure is less than 2". 24"–28" fans are ideal for grain drying at lower static pressures, as well as for pressure aeration. 3500 RPM motors have been specially engineered for Sukup's high performance blades. All blades are precision-balanced for vibration-free operation

Tubular Steel Hook-Style Ladder

Model C-Ladders are perfect where a straight ladder is required. Hook them over hopper cars, tanks or farm wagons for safe and sturdy climbing. They are available in 7",10",12" and 15" lengths.

Ladder Lock-Out

All steel construction with hot dip, corrosion-resistant galvanized finish.

- Installation requires that hinge brackets be welded to the lower ring of steel ladder cages opposite the ladder.
- Designed to fit standard OSHA flared safety cages for access ladders.
- Also available for straight cages.
- 48" safety release chain permits use for emergency evacuations. No tools required to open the hatch from within.
- Custom sizes available to fit non-standard ladder cages.
- When open, the hatch permits unimpeded ladder access.
- Optional 96" tall tamper-resistant protective mesh recommended to enclose lower cage portion to further deter access.
- Requires customer-supplied padlock.

Pneumatic Ball Vibrator

Ball vibrators provide high-frequency, directional and reliable vibration in multiple configurations.

Pneumatic Bin Hopper Vibrator

Linear vibration of industrial pneumatic vibrators offers the following advantages:

- **Linear Vibration** – The forces generated by pneumatic piston vibrators are linear, so they may be directed and concentrated in the problem area. In addition, no damaging shear forces are applied to the mounting bracket or storage vessel.
- **High Amplitude, Low Frequency** – The high-energy impulse vibration generated by pneumatic piston vibrators is effective in reducing the strength of bulk materials and the sliding friction between the material and the bin wall. This is accomplished without approaching resonant frequencies, which can cause significant structural damage to the bin or hopper.
- **Low Maintenance** – These units provide years of effective performance when installed and operated properly.

Rail Car Vibrator

This piston vibrator assists in the unloading of covered hopper cars. An air cushion piston combined with a free-float head creates complete flow control on cars equipped with dovetail brackets. Handle permits easy one-man handling and operation. Normal operating pressure of 40–60 PSIG.

SureFlo Bin Aerator

Based on proven techniques, the SureFlo Aerator uses compressed air to transform packed material into a free-flowing, fluidized mass.

Two or three aerators installed near the discharge gate in a hopper-bottom bin can replace mechanical vibrators. The pneumatic aerators, each with a silicone flapper, are mounted inside the tank, either steel or concrete. The combined effect of compressed air and the vibrating flapper loosens packed material to produce a loose, flowable mass.

SureFlo Aerators require an air supply of 10–20 cfm at 20–30 PSI.

Swing-Away Portable Auger

Finally — an auger designed to maneuver quickly and easily into operational position. The heavy-duty articulated undercarriage with hydraulic lift system takes the work out of raising, positioning and lowering the auger by making use of the tractor and its hydraulic system. All gear drives are oil-bath enclosed for longer service life. The galvanized tube on the main auger provides the best finish on the market.

The Swing-Away Flex Hopper, standard on all models, is designed to keep the hopper in a horizontal position at all operating angles, even when the main auger tube is fully elevated. The hopper can be operated and transported from either side of the main auger, and is transported in a vertical position for easy cleanout.

The Swing-Away is available in 8" – 3200 BPH, 10" – 4500 BPH and 12" – 7000 BPH and with lengths from 52" to 82". Choose between gear or hydraulic drive. Maximum protection safety equipment is part of every unit.

Accessory Items Include:

- Large Hopper Tail Piece with Bearing and Cover
- Large Hopper Tail Piece with Hinged Cover
- 90° Discharge Spout

Roof Vent

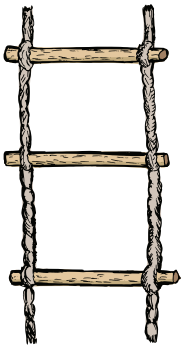
All types of roof venting can be provided, with the most popular bin vent being the J-vent. All sizes and gauges of material are available. Mesh can be supplied for protection from pests.

Rope Ladder

Wood flat and round step rope ladder are available in any length, cut to your specification. Step spacing is 12", which meets OSHA requirements.

Flat steps are 18" x 3 ½" x 1" using ⅝" diameter poly-pro rope with eyes on one end. Approximate weight is 2 ½" lbs. per ft.

Round steps are 16" x 1 ¼" diameter using ⅝" diameter poly-pro rope with eyes on one end. Approximate weight is 1 lb. per ft.



Inspection Doors

For Non-Pressurized Applications

We offer non-pressured inspection doors that are ideal for conveying systems, storage bins, industrial applications and cargo tanks. Ideal uses are as a fill opening in screw conveyor systems, as an inspection port, as a clean-out port or as a sampling port.

The Knappco line of non-pressurized manholes features:*

- Durability
- Light Weight
- Wing-Nut Hatch
- Locking Hatch
- Replaceable Hinge Pins
- Cam Levers
- Locking Tabs that Can Be Secured with a Tamper-Proof Seal

Available Materials:*

- Steel
- Stainless Steel
- Stainless Steel Plated
- Aluminum

Gasket Options:*

- Black Buna
- White Neoprene
- PTFE
- Hi-Temp
- Viton
- EPDM
- Red Silicone

For Pressurized Applications

We offer pressurized inspection doors that are ideal for cargo tanks, bulk storage tanks, rail cars and intermodal bulk containers.

The Knappco line of pressurized manholes features:*

- PSI Ratings from 12 to 30 PSI
- Quick-Opening Adjustable Cam Levers
- Safety Catch (to help prevent accidents when opening against residual pressure)
- Locking Tabs that Can Be Secured with a Tamper-Proof Seal

Available Materials:*

- Steel
- Stainless Steel
- Stainless Steel Plated
- Aluminum

Gasket Options:*

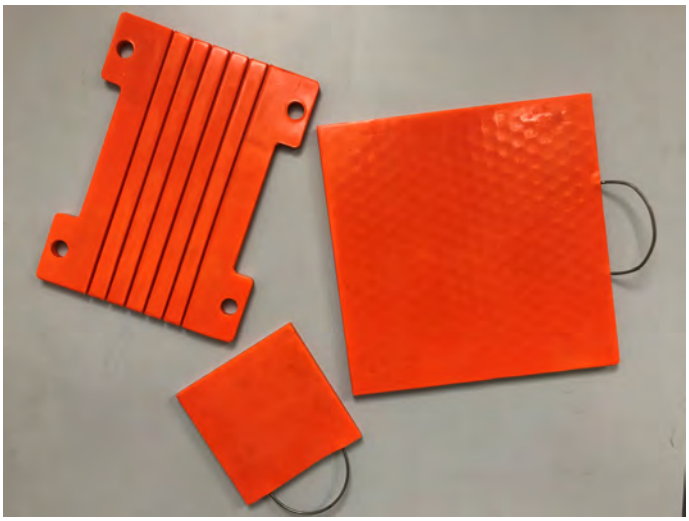
- Black Buna
- White Neoprene
- PTFE
- Hi-Temp
- Viton

**Not all models feature this specification.*

Rhino Hyde® Magnetic Patch

The Rhino Hyde® Magnetic Patch with rare earth magnets quickly and easily seals worn spots in many locations.

- Adheres to a clean metal surface and withstands shaking and impact.
- Wire hook for easy placement even in elevated and confined areas.
- Unlike adhesives and tape – magnets stay secure in various climates.
- 100% reusable and magnetic – no welding, bolting, taping or gluing.
- Grooved to conform tightly over steel pipes and spouts (7" diameter or larger).
- Available in a ½" x 6" x 6" size. Inquire about custom sizing.



Did you know?

Flowing grain can engulf a worker in seconds?

Grain dust is highly combustible?

Bin air conditions can be toxic?

ERIKS can provide the safety products needed in your grain handling facility. Rescue tube, monitoring equipment, confined space entry equipment, gas detection, intrinsically safe lighting, housekeeping items and more.

Call us today for your safety needs.

Plate Magnets

Single-Step and Double-Step Plate Magnets are designed to divert the product stream away from the magnet surface while allowing tramp metal to be magnetically attracted to the magnets' surface behind the collection steps. These plate magnets are eaily installed and are supplied complete with sanitary hinges, latches and mounting hardware. The strong magnetic field is effective in product streams up to 8" in depth.

Standard Features:

- Permanent ceramic magnet material will not demagnetize
- 100% stainless steel enclosed design
- 1" wide uniform sealing flange prevents product leakage
- Waterproof, weather-resistant enclosure
- Rugged all-welded construction

Measuring

Bin Tape Weights

- Non-sparking sample cup style
- Non-sparking weighted sample cup
- Weighted lead end
- Ideal for small sample every time you tape
- Approximate weight 10 oz.

Mushroom-Style Weight

- Great for making sure that you reach the material
- Weight 8.5 oz.

Bin Bob Weight

Heavy-duty stitches encase 8 oz. weight in oil-resistant neoprene rubber jacket.

Measuring Tapes and Refills

Fiberglass bin tapes are designed to resist extreme weather conditions and are ideal for measuring depth levels in storage bins and silos. Tape line is constructed of fiberglass encapsulated in flexible, wipe-clean plastic. Tape case and reel are made of high-impact polymer. Will not stretch, shrink or deteriorate. Two lengths of 100' or 150'. Choose between measurements in feet and inches or in feet and tenths of a foot.

Monitoring Equipment

Flow/No Flow Monitor

The FM200 Multi-Application Flow Monitor is very effective in monitoring FLOW/NO FLOW conditions in pipes, chutes, spouting and more. Its sensing techniques, which use piezo sensor technology, make the FM200 versatile for almost any FLOW/NO FLOW application. The following are some of the unique advanced features that allow this product to exceed industry standards.

Central Processing Unit

- Monitors movement of most anything through a pipe or chute system (air, liquids or solids)
- Sensor externally mounts to the outside of the pipe or chute
- Senses presence or absence of solids in pneumatic air system
- Adjustable sensitivity, per application demand
- Monitors pipe system from ½" to 60" or more diameter
- PC board outputs:
  - TTL — 0–5 volt
  - RS232 — low/high/output
  - Relay — -4 amp, 125/250 VAC
  - Normally open contact
  - Normally closed contact
- Three user-selectable sensitivity ranges with full adjustment of sensitivity across each range:
  - Low
  - Medium
  - High
- Stand-alone system
- Easy installation
- No maintenance
- LED indicators
  - Flow (green)
  - No flow (red)
- All circuits supervised
- NEMA 4X housing
- Stainless steel mounting feet

Sensor

- Mounting tabs for easy installation
- Prewired with 5' 18-gauge 2-conductor wire
- Low voltage 5 VDC, 200mA maximum

Other Models Available (with or without LED Indicators)

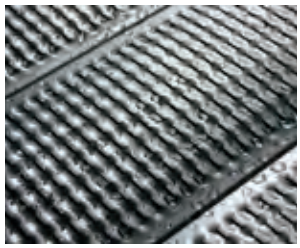
- NEMA 3/4/12 Enclosures
- NEMA 7/9 Enclosures
- Available for 12 VDC, 24 VAC and 220 VAC

Flow Monitors

Monitor's line of microwave solids flow monitors consists of high quality, industrial-grade instruments capable of providing a signal indicating the flow/no-flow condition of solids and powders in gravity chutes, feeders and pneumatic pipelines.

Aeration Flooring

Complete line of aeration flooring available along with the needed floor supports. We are able to retrofit any existing application to meet your need and performance requirements and to supply both full floor and N-slab to suit your application.



Belt Misalignment Hazard Monitoring System

Maxi-Tronic has the industry-leading controls, sensors, service and experience to provide complete hazard monitoring and control systems for your facility.

Rub Block (RB) Belt Misalignment Sensors

Maxi-Tronic RB Belt Misalignment Sensors are ideal for bucket elevators, belt conveyors, rotary drum, food processing and other material handling equipment. These sensors are sensitive, reliable and maintenance free with configurations available for many applications.

- Rectangle sensor has integral junction box and 6" lead
- Round sensor has ½" NPT conduit fitting and 5' lead
- Provides RB belt misalignment hazard monitoring anytime, anywhere
- Extremely rugged design
- Fast-reacting sensing elements
- Easy installation and low maintenance
- UL® Listed Class II, Division 2 configurations available
- No moving parts
- Available spacers accomodate any casing thickness
- Integral ½" NPT conduit fitting or junction box

(continued on next page)

Belt Misalignment Hazard Monitoring System (continued)

Maxi-Tronic Controls for RB Sensors

- **MTDT24** — 24 thermocouple inputs, digital, 2 alarm relays
- **HB/RB** — 8 or 16 PTC inputs with status indicators, 1 alarm relay
- **SC4** — 4 PTC thermistor inputs with a relay output for each
- **Basic 4** — 4 temperature switch inputs with relay output for each

Sensor Element Types

Choose from the following industry-standard sensor elements to match your controller.

- **Thermocouple** —Type T (Type J and others on request); use thermocouple extension wire (lead wire) when wiring
- **RTD** — Platinum PT100 type; 1mA max.; specify 2- or 3-wire
- **PTC Thermistor** — 130°F switching temperature, 100Ω@ 77°F; 10mA @ 12 VDC max.; wire: 500' with 22 AWG, 5000' with 16 AWG
- **Temperature Switch** — Switching temperatures available include 140°F, 160°F and 170°F with N/O or N/C contacts
- **Rating** — 125VA duty; 15A inductive; 3FLA–12LRA @ 120 VAC

Maxi-Tronic MaxiScan 12M Multi-Monitoring System

The Maxi-Tronic MaxiScan 12M Controller provides essential protection for elevators, conveyors and other equipment in a compact and easy-to-use unit.

- Underspeed Motion Controller
- Bearing Sensors
- Belt Misalignment
- Plugged Chute Indicator
- Real-Time Readings
- Fully Password Protected
- Magnetic Mounts for Easy Installation
- Push-Button One-Step Motion Calibration

- 10% and 20% Slowdown Relay Outputs
- Integrated Hour Meter
- Bearing and Belt Misalignment
- 12 Individually Configured Inputs
- 12 Output Relays with Both N/O and N/C Contacts
- Accepts Most Types of Sensors — Thermocouple, BeltTracker™ and PTC Thermistor
- Temperature Switch
- Digital (1-wire)
- CSA Class II, Division 1 and Intrinsically Safe (simple apparatus) Sensors Available

MaxiTrack Hazard Monitor

A Breakthrough to a New Level of Safety

MaxiTrack hazard monitoring goes beyond traditional scan, display and alarm functions — all temperature and motion sensor conditions and alarms are sent via radio to your PC.

You'll put more people in the safety loop with this easy-to-use interface for remote hazard monitoring of grain handling equipment. Alarm notifications include audible, email and cell phone messaging with alarm details.

Take hazard monitoring to new heights with MaxiTrack Hazard Monitoring.

Hard-Wired or Wireless Radio Installation

- Twisted pair, or…
- 1W Radio Transceiver with FHSS 900 MHz reliability and a range of up to 1 mile with line of sight

Data Archiving and Graphing

- Maintains 1-week rolling history of nominal readings
- Permanently archives all alarm readings
- Provides Internet access to current data via web page

EchoTrack™ Remote Wireless Annunciator Display

- Displays current conditions
- Displays alarm messages with alert tone
- Low-cost solution for remote, yet important locations

Flexible Notification Options

- Audible, visual, text messaging (SMS), email and EchoTrack™
- Sends alerts based on configurable alarm settings
- Provides Internet access to current data via web page

MT400 Motion Controller

The MT400 Motion Controller is the most full-featured under-speed monitor and control system for your material handling equipment. This early warning and control system provides superior dual-setpoint protection for bucket elevators, conveyors, mechanical drives and all rotating equipment.

MT400 in Action

- Digital display shows percentage of full speed
- Highly visible status and alarm indicators
- Dual setpoint 10% and 20% slowdown alarms
- EZMount motion sensor for quick installation
- One-step calibration
- Advanced start-up sequence
- Sensors available in EZMount™ or 1"–3.5" Ø
- UL® approved for Class II, Division 2, Groups E, F, G
- 10% and 20% alarm indicators
- ARM indicator shows successful start up
- TARGET indicator flashes as shaft rotates
- No high voltage present at the rotating shaft
- Non-metallic probe housing and rotating disc
- Compatible with MaxiTrack™ remote monitoring

Basic 4 Motion Sensors and Controls

The Basic 4 System is a versatile, economical monitoring and control system that can be used in a variety of material handling and environmental control applications. It will monitor and control the start-up and shut-down of conveyors, pumps, motors, gates, doors, fans and more by using virtually any low voltage on/off sensor.

The Basic 4 System can be used in grain storage facilities, feed mills, green houses, poultry, swine, dairy and cattle operations, bakeries, chemical and steel plants and other industrial facilities.

The system has a stand-alone PLC interface, converts any analog signal to digital, monitors and controls temperature, position, liquid level and tilt switches. Low voltage (12 VDC) output to sensors.

Features:

- 4 dry contact relay outputs
- Fiberglass NEMA 4X enclosure
- Can be used with other sensors
- 4 normal and 4 alarm LED status displays
- Viewing window to monitor status of LED indicators

Bin Level Indicators

KA and KAX

Economical point-level control sensors for the detection of dry bulk materials. This level switch is ideal for use as a low level or high level indicator in bins, silos, hoppers and other vessels. The SafePoint® rotary paddle bin level monitor/indicator provides the ultimate in fail-safe performance wherever critical continuous operation must be ensured. Detection of both material presence/absence and its own operational status is performed on a continuous basis.

BinMaster/Monitor

We are your local distributor for all of your BinMaster/Monitor products, including:

The GR, GRE, GRX Series Rotary Level Controls; diaphragm point-level controls, including BM45 and BM65 series; SMARTBOB inventory measurement system; and the CompactPRO.

MK2

TrueCap® RF capacitance probes are designed to provide a high level of sensitivity, stability and durability for powder and bulk solids applications, as well as liquid and slurry applications. The Model MK2 is a state-of-the-art point-level sensor providing maximum performance, reliability and value.

MK2e

TrueCap® RF capacitance probes are designed to provide a high level of sensitivity, stability and durability for powder and bulk solids applications, as well as liquid and slurry applications. The model MK2e provides high quality and performance at the lowest possible price.

Proximity Switch

Solid-state compact capacitance-type point-level switches are designed to detect the absence or presence of bulk solids.

PZP

The vibrating probe principle eliminates problems associated with temperature, humidity and material changes, while providing state-of-the-art electronic reliability and accuracy that requires no calibration. The Model PZP point-level sensor provides the ultimate in sensitivity and performance.

VibraRod

The vibrating probe principle eliminates problems associated with temperature, humidity and material changes, while providing state-of-the-art electronic reliability and accuracy that requires no calibration. The VibraRod™ provides reliable point-level measurement sensing in a variety of applications within the powder and bulk solids markets.

Diaphragm Switch

The flush-mount, minimally intrusive BINATROL® Model G/GX/GX-SS diaphragm level switch is ideally used when vessel size or internal clearance is limited, or where protrusion into a vessel is not acceptable.

Tilt Switches

The Model TC-1 and TC-3 tilt switches can be used as high level indicators to eliminate bin overflow or to control levels in open piles.

(continued on next page)

Bin Level Indicators (continued)

Solido 500 Bin Level Indicator

The Solido 500 bin level indicator is a rotating paddle limit switch designed for level monitoring of solids.

Features

- De-energizing motor for extended life
- FM and ATEX hazardous approvals standard
- Threaded screw on cover
- Insertable paddle for easier installation
- Field-adjustable sensitivity
- Dual conduit entries
- Stainless steel paddle and shaft
- Shaft extensions available
- Multiple voltages available

Continuous Level Monitoring — Cable Based

The SiloPatrol® Inventory Monitoring System is the first truly robust cable-based smart sensor system. It is a field-proven approach to reliably monitoring the level of material in bins, silos and tanks up to 150' (45.7m) in height.

Continuous Level Monitoring — Ultrasonic

The BulkSonics® product line is made up of two main groups: the more sophisticated sensor/controller systems and stand-alone smart transmitters. The more advanced sensor/controller systems include the problem-solving QUEST+ software built into the controllers to ensure reliable measurement in difficult bulk solids applications. Smart transmitters are intended for easy-to-measure materials. Contact us for recommendations on the best solution for your specific needs.

Level Alert

As your bin material reaches the LevALERT® Indicator, it pushes against the rubber activator, turning the tube color from black to bright yellow. You can install the LevALERT® Indicator anywhere along the vertical wall section at critical levels most important to you. The LevALERT® Indicator comes fully assembled and ready to install from outside your bin. In stock and ready to ship the same day.

Grain Gauge

There's no need to climb to the top of the bin to check how full it is when you have a Grain Gauge Level Indicator. When the grain reaches the indicator, it pushes on a paddle on the inside of the bin and rotates an indicator that is highly visible from the outside of the bin. The internal mechanisms are sealed against grain dust and rain to give the Grain Gauge longer life. In stock and ready to ship the same day.

Diaphragm Pressure Sensor

The line of BINATROL® diaphragm bin monitors consists of economical, reliable and durable point-level controls for point-level detection of dry bulk materials. The units can be used to eliminate bin overflow, maintain a predetermined material level, indicate plugging of chutes or conveyors or provide any of a number of level control functions. The flush-mount, non-intrusive BINATROL units are ideally used when vessel size or internal clearance is limited, or where protrusion into a vessel is not acceptable. All installation and servicing, including diaphragm replacement and sensitivity adjustment, can be done from outside the vessel. These products are not normally used with materials that are very light, sticky or of large particle size.

EchoTrack Wireless Display

The EchoTrack wireless display and alarm is designed for remote display of messages from PC, PIC or microcontroller.

Features:

- Near real-time display of important data
- Clear backlit display and loud attention-getting piezo alarm
- FCC approved
- One radio can control up to 16 individually addrressable displays
- Easy-to-implement ASCII command syntax (Visual Basic sample code supplied)

SC-4 Signal Conditioner

The SC-4 Signal Conditioner unit is a four-station system used to monitor temperature. This system is used with Maxi-Tronic HB Series Bearing Temperature Sensors, RB Series Alignment Sensors and Rub Blocks.

The SC-4 will interface temperature, alignment and most PTC sensors to a PLC or computer system.

Each of the sensor inputs is wired directly to the SC-4 unit.

Railroad/Railyard Equipment

Car Puller Accessories

Full line of railcar-handling equipment in stock.

- Car Puller Hooks and Blocks
- Pneumatic Gate Openers
- Wheel Chocks and Blue Flags
- Portable Derailers and Rerailers
- Cast Steel Car Stops
- Barge and Capstan Ropes — Full Coils or Cut Lengths
- Hooks and Fittings
- Wire Rope
- Gate Bars
- Winches — Many Models and Variations

Call with your specific needs.

Chocks

Single Chocks or Double Chocks?
Recommended chocking procedures for single cars on flat track:

- If the track is flat and there is no vibration, single chocks at each end can be used to block car movement. Set brake before chocking.
- If the car tends to roll in one direction, single chocks at each end may be sufficient. Set brake before chocking.
- Double chocks on each end of the car provide two-chock blocking against movement in either direction. Set brake before chocking.

Double-Swivel Load-Out Spout

- Available in sizes of 8", 10", 12" and 14"
- Constructed of heavy-gauge mild steel with 3⁄8" plate flanges for all connection points
- To help reduce wear within swivel elbows, all units are standard with 3⁄16" abrasion-resistant steel liners
- All models available with electric or hydraulic powered swivels for the ultimate loading capabilities

Flexible Load-Out Spout

The Flexible Load-Out Spout can be manufactured in any length, diameter or gauge of steel to meet your needs.

- Common sizes are 6", 8", 10", 12", 14", 16" and 18"
- 14 gauge steel may be specified for sizes through 12"; 12 gauge steel is used for 14", 16" and 18" sizes

When ordering, specify the outside size of the down spout to which the spout is to be fitted, the overall length of the flex spout desired, and the bottom diameter of the spout section.

Railcar Gate Openers

Mobile Railcar Opener

This 3hp Pneumatic Mobile Railcar Gate Opener is an excellent solution for opening railcar hopper gates in a safe and efficient manner. This unit provides over 850 ft.-lbs. and over 10,200 lbs. of torque, which significantly exceeds the required torque level to open any hopper gate on the market.

Features:

- Safe and Easy to Use
- Easy to Maneuver
- Moves Parallel with Railcars
- Automatic Up and Down Leveling
- All Controls are Air Operated
- Reduces Workplace Hazard Risks

Stationary Railcar Opener

The 3hp Stationary Railcar Gate Opener greatly reduces the safety risk associated with opening railcar hopper gates. This unit is an excellent solution for opening railcar hopper gates in a safe and efficient manner. It is available in electric or pneumatic versions, with the electrical model having a Class II, Group G, Explosion-Proof rating.

Features:

- Electric and Air Models Offered
- 850 ft.-lbs. of Torque
- Reduces Lost Time Injuries
- Opens Gates in Less than 10 Seconds
- Dependable in Cold Climates
- Handles Unit Trains with Ease
- Swivel Base Option to Operate Twin Tracks
- Easy to Install
- Installed Base with over 25 Years in Industry

Specifications:

- 3hp, Class II, Group G, Explosion-Proof
- 100:1 Gear Reduction, Directly Coupled
- Reversible, 2G Control Buttons
- Operates on 6" H-Beam
- Heavy-Duty Trolley Base
- Shielded Telescoping Torque Tube and Universal Joint

Rail Car Vibrator

This piston vibrator assists in the unloading of covered hopper cars. An air cushion piston, combined with a free-float head, creates complete flow control on cars equipped with dovetail brackets. Handle permits easy one-man handling and operation. Normal operating pressure of 40–60 PSIG.

Safety Products

Bin Entry Equipment

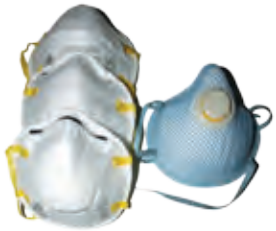
We carry a full line of tripod, quad armed and davit arm entry systems. We can recommend the right system to meet your specifications.

Configurations:

- Workbaskets
- Platforms
- Chairs
- Air Powered
- Electric Powered
- Mechanical Arms

Dust Masks

We offer a full line of dust masks to meet your respiratory needs. Call us today for quick shipment of your favorite brands.



Fall Protection

We carry the top manufacturers' lines of safety harnesses and accessories. Give us a call today for the fall protection equipment required in your facility.

Products Include:

- Harnesses
- Self-Retracting Lifelines
- Anchorage Connectors
- Body Belts
- Work Seats
- Rescue Systems
- Lanyards
- Carabiners
- Descent Equipment

Ladder and Cage

Cage

- x 1½" Stringers
- 3⁄16" x 2" Loops
- 5' or 10' Sections
- 28" Inside Diameter

Ladder

- ¼" x 2" Flat Side Rails
- ¾" Round Rungs on 12" Centers
- Complete with Splice Bars, Mounting Brackets and Bolts for Installation
- Wall-Mounting Brackets Supplied for Installation for Each 10' of Ladder

Ladder Lock Out

All steel construction with hot dip, corrosion-resistant galvanized finish.

- Installation requires hinge brackets be welded to the lower ring of steel ladder cages opposite the ladder.
- Designed to fit standard OSHA flared safety cages for access ladders.
- Also available for straight cages.
- 48" safety release chain permits use for emergency evacuations. No tools required to open the hatch from within.
- Custom sizes available to fit non-standard ladder cages.
- When open, hatch permits unimpeded ladder access.
- Optional 96" tall tamper-resistant protective mesh recommended to enclose lower cage portion to further deter access.
- Requires customer-supplied padlock.

Gas Detection

Call us today, and we will provide you with a quote on the right gas detection solution to fit your needs.

Safety Lighting

Large Flashlight

The KingLite is a heavy-duty, high-powered spotlight packed with features. It uses a unique dual-filament Xenon lamp to produce a bright beam that cuts through thick smoke, fog and dust. The body is made of unbreakable ABS resin with a polycarbonate lens and thermoplastic rubber shroud that resists chemicals and corrosion. Two reflectors are included: a modified spot (stippled for a wide beam) and a laser spot (smooth for a tight collimated beam).

The dual-direction switch is easy to operate, even with thick gloves. And there's a locking slide feature to prevent accidental activation. The pistol grip/lantern handle quickly converts to multiple positions for flexibility. The 4000 also comes with a shock-absorbing internal battery module that protects both the cells and the lamp from hard knocks. Powered by 8 D alkaline cells. This light is N.I. Class I, Div. 2, Group ABCD, T3C; Class II, Div. 2, Group G rated.

Explosion-Proof Drop Light

Certified for Class I, Division 1, Groups C and D (Flammable Gases and Vapors) and Class II, Division 1, Groups F and G (Ignitable Dust)

Other intrinsically safe lighting available — we are your one-stop shop!

Housekeeping

Safety Air Guns

Long John Safety Air Guns are the perfect tool for cleaning hard-to-reach areas. They can be assembled up to 18' in length with mid extensions and have a durable cast aluminum body. Efficient Venturi nozzle boosts thrust up to 200% over conventional air guns, yet limits static pressure to less than 30 psi should the tip become blocked. Ergonomic, Classic+ pistol grip-style handle provides maximum user comfort. OSHA approved.

Turbine Twin Industrial Vacuums

The Turbine Twin Vacuum comes in four sizes to fit any job.

Specifications:

Capacity (gallons)	Turbines	RPM	Amps	Volts	Cycle (Hz)	Construction	Warranty	Hose	Air Flow	Water Lift	Motor Type	Noise Level
55	2	22,470	17	120	60	18-Gauge Steel	1 Year	Two 15', 1 ½" Dia.	119.3 per Motor	180"	Lamb 923	OSHA Approved
30	2	22,470	17	120	60	18-Gauge Steel	1 Year	Two 15', 1 ½" Dia.	119.3 per Motor	180"	Lamb 923	OSHA Approved
20	1	22,470	9.4	120	60	18-Gauge Steel	1 Year	One 15', 1 ½" Dia.	119.3	100"	Lamb 923	OSHA Approved
12	1	22,470	9.4	120	60	18-Gauge Steel	1 Year	One 15', 1 ½" Dia.	119.3	100"	Lamb 923	OSHA Approved

Spouting and Liners

ERIKS offers a wide variety of spouting and spouting components, such as distributors, elbows, ladders, cages and gates. We are also a stocking provider of lining materials. Call us today for your spouting, ceramic tile, urethane, UHMW and U-trough liners. Our sales specialists know the lining material that's right for your application.

Cable and Guy Wire

Aircraft Cable, Galvanized
3/16" 7×19 and 3/8" 7×19

Cable Clips, Galvanized

Cable Handle/Rope Pull
Cast iron pull handle.

Cable Tightener
Galvanized Cable Tightener anti-twist take-ups are 5/8" diameter zinc-plated steel with heavy-duty load bar. Threaded for 12" take-up.

Hot House Pulleys and Side Pulleys

Custom Metal Fabrication

Ladder Lock-Out
All steel construction with hot dip, corrosion-resistant galvanized finish.

- Installation requires that hinge brackets be welded to the lower ring of steel ladder cages opposite the ladder.
- Designed to fit standard OSHA flared safety cages for access ladders.
- Also available for straight cages.
- 48" safety release chain permits use for emergency evacuations. No tools required to open hatch from within.
- Custom sizes available to fit non-standard ladder cages.
- When open, hatch permits unimpeded ladder access.
- Optional 96" tall tamper-resistant protective mesh recommended to enclose lower cage portion to further deter access.
- Requires customer-supplied padlock.

Distributors

We offer many different types and styles of distributors to fit your grain elevator system. All of our distributors are weather proof and dust tight. Call us today for a custom quote on the distributor that will work best for you.

Options:

- Full Round Design
- Swingset Design
- Flatback Models
- Carbon, Stainless or Galvanized Steel
- Manual or Electric Control
- Abrasion-Resistant Lining
- Urethane Lining
- Several Spout Sizes
- Distributor Controls

Gates

Cable Pull Gate

10-gauge carbon steel.

Feed Mill Style Hand Slide Gate

Available in 10-gauge carbon steel and 10-gauge stainless steel.

Options:

Square In/Square Out

Hand Slide Gate

10-gauge carbon steel.

Rack & Pinion Gate

Available in 10-gauge carbon steel or 10-gauge stainless steel.

Available Styles:

- Ceiling
- Ceiling Roller
- Wall
- Wall Roller

Also offered in premium 7-gauge steel with ¼" blade.

Options:

- Chain Wheel
- Hand Wheel
- Air or Electric Assist
- Weather Cover Available

Rack and Pinion

- Cast Iron Rack and Pinion
- Weldable Material
- 1" Bore Cast Iron Pinion
- 22" Cast Iron Rack

Rod Pull Gate

Rod pull gates are a ceiling gate less rack and pinion. Construction is 10-gauge carbon steel. Gate has 1" pipe nipple. Weather cover included. Necessary 1" Schedule 40 pipe and ¾" rod for control are not included.

Available Styles:

- Rod Pull
- Rod Pull Roller

Options:

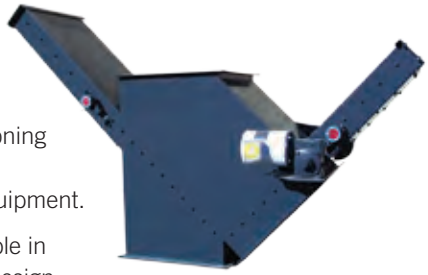
Remote activator available for gates up through 14".

Clam Gate

Available in open, enclosed or enclosed with wall mount versions.

Gate Accessories

Linear Actuators



Electric Linear and Rotary Actuators are self-contained, electro-mechanical actuators designed for precise positioning and automation of material handling or flow control equipment.

Linear actuators are available in acme screw or ball screw design with a wide variety of speeds, stroke lengths, thrusts and mounting options. Multi-turn rotary actuators are worm-gear driven, designed for industrial applications in a wide range of torque offerings. All products offer a wide selection of accessories for on/off or modulating service, including digital network protocols.

Hand and Chain Wheels

- Manual Wire Rope Wheel (10" dia. 1" bore)
- Manual Chain Wheel, Cast Iron (10" dia., 1" bore)
- Manual Control Hand Wheel (10" dia., 1" bore)

Lining Materials

ERIKS stocks lining materials for immediate shipment.

Ceramic Tile

We have the wear-resistant ceramic tile you need in stock.

- Hex Tile allows for easy application in elbow sections and other difficult-to-access areas. Weldable hex also available.
- 4" x 6" Rectangular Tile offers excellent wear-resistant properties and comes in plain or weldable.

Custom sizes and ceramic-lined hose also available. Ask about the right adhesive for your application. Our knowledgeable team knows what you need!

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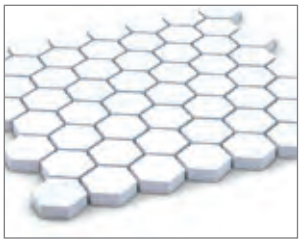
Lining Materials (continued)

Hex Tile



Ceramic tiles have excellent abrasion- and wear-resistant qualities and are ideal for use in applications to protect valves, elbows, distributors and other high-impact areas. Also available in weldable.

Ceramic Wear-Resistant Rectangular Tile

Ceramic tiles have excellent abrasion- and wear-resistant qualities and are ideal for use in conveyors and other grain applications. Also available in weldable.

Tile Cutter

- 19" power clinker (tile cutter)
- Die-cast aluminum construction
- Dual chrome-plated rail bars
- 7⁄8" dia. titanium-coated solid carbide scoring wheel

Epoxy

Epoxy for applying ceramic tile to surfaces.

Silicone Caulk

Clear silicone caulk, 10.3 oz., 100% RTV silicone, permanently flexible, waterproof seal. Excellent for securing ceramic tile and other products to surface areas. 12 tubes per carton. Single tubes also available.

Sheet Rubber

Plain and expanded metal-back sheet rubber is available in any size and thickness. We can ship by the roll or custom cut to your needs.

UHMW Lining

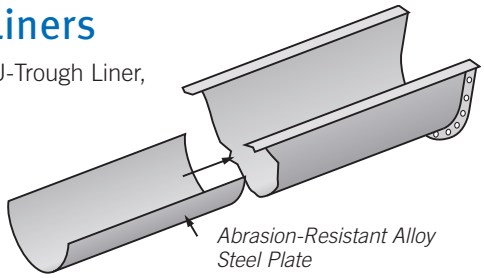
UHMW virgin-grade lining material is available in all thicknesses, 4'W x 10'L. It is also available in any custom size.

UHMW provides wear resistance where flow problems occur. Good application in material flow situations and/or where there are minimal slope issues.

Available as a U-trough liner.

U-Trough Liners

Bolt-in or weld-in U-Trough Liner, 10-gauge AR-235.



Urethane

High Energy Rhino Hyde®

High Energy is an abrasion-resistant urethane lining designed for use in high-wear, high-humidity and aqueous environments. High Energy exhibits superior hydrolytic resistance in addition to outstanding rebound, abrasion resistance and sound attenuation. Standard Color – Orange

Backings available:

- Flattened
- Expanded Metal
- Solid Metal
- Ceramic
- Fabric
- Unbacked

Kryptane

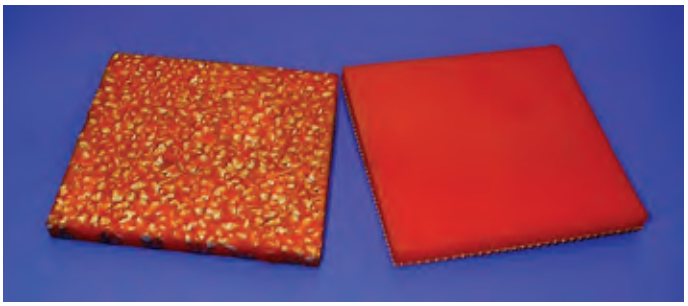
Kryptane Urethane Liner is available in Plain Back, Expanded Metal, Fabric Back and Solid Metal Back. Fabric Back Rolls are available in any width and length. All thickness levels available. Kryptane has been field tested and proven to last 3–4 times longer than other lining products in the industry.

Benefits:

- Lightweight
- Flexible
- Easy to Install
- Reduces Noise
- Provides Excellent Abrasion Resistance

Typical Applications:

- Chutes
- Distributors
- Elbows
- Spouts
- Screw and Drag Conveyor Troughs
- Head Sections
- Transitions



Rhino Hyde®

Rhino Hyde urethane sheets are recommended for use in the handling of almost any abrasive material. Material thickness and backing style are recommended based on application parameters.

Backing Options:

- Plain (no backing)
- Expanded Metal Backed
- Solid Metal Back
- Fabric Backed

Applications:

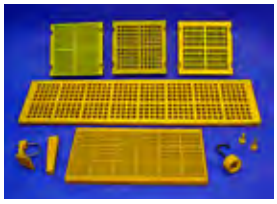
Rhino Hyde sheets are tough, resilient elastomeric urethanes specifically designed for use in applications requiring abrasion resistance. Rhino Hyde also provides light weight, easy installation, excellent impact resistance, good low temperature properties, noise reduction, corrosion resistance and chemical resistance to aliphatic hydrocarbons, mild acids and bases.

Rhino Hyde is recommended for use in materials handling of any abrasive material including grain. Rhino Hyde is particularly well suited for grain elevators.

Rhino Grid Hook Screens

The easiest way to utilize the superior wear of Rhino Hyde urethane in a screen that mounts identically to your wire cloth screens. Made with a tough, welded steel support grid (not cable, like most of the competition), Rhino Grid is guaranteed for excellent wear resistance and maximum production efficiency.

Rhino Screen Modular Screens



Adaptable to nearly all existing modular screen systems with the added toughness of Rhino Hyde urethane, our modular screens maximize production and minimize wear. The most popular type systems, including 1' x 1', 1' x 2' and 1' x 4', are all available in a wide range of square and slotted openings, as well as different urethane durometers to maximize performance.

Rhino Flex Thin Membrane Screens

Unibody construction made possible only by the development of a new Rhino Hyde polymer engineered in our R&D labs. The physical properties of the new polymer are superior to all competitors' membrane screens. The superiority carries over to field performance. Side-by-side tests prove it! When everything else has failed, try our anti-blinding Rhino Flex screens.

Pressure Relief Ventilators

Our Pressure Relief Ventilators (PRVs) offer a simple, economical way to improve bulk commodity flow, by relieving pressure build-up in bins, downspouts or enclosed conveyors.

Available in two sizes, 8" and 14" diameter, PRVs help to improve product flow into steel bins at feed mills and grain elevators. A typical application is downstream from a hammer mill, where pressure buildup created by the mill is an inherent problem.

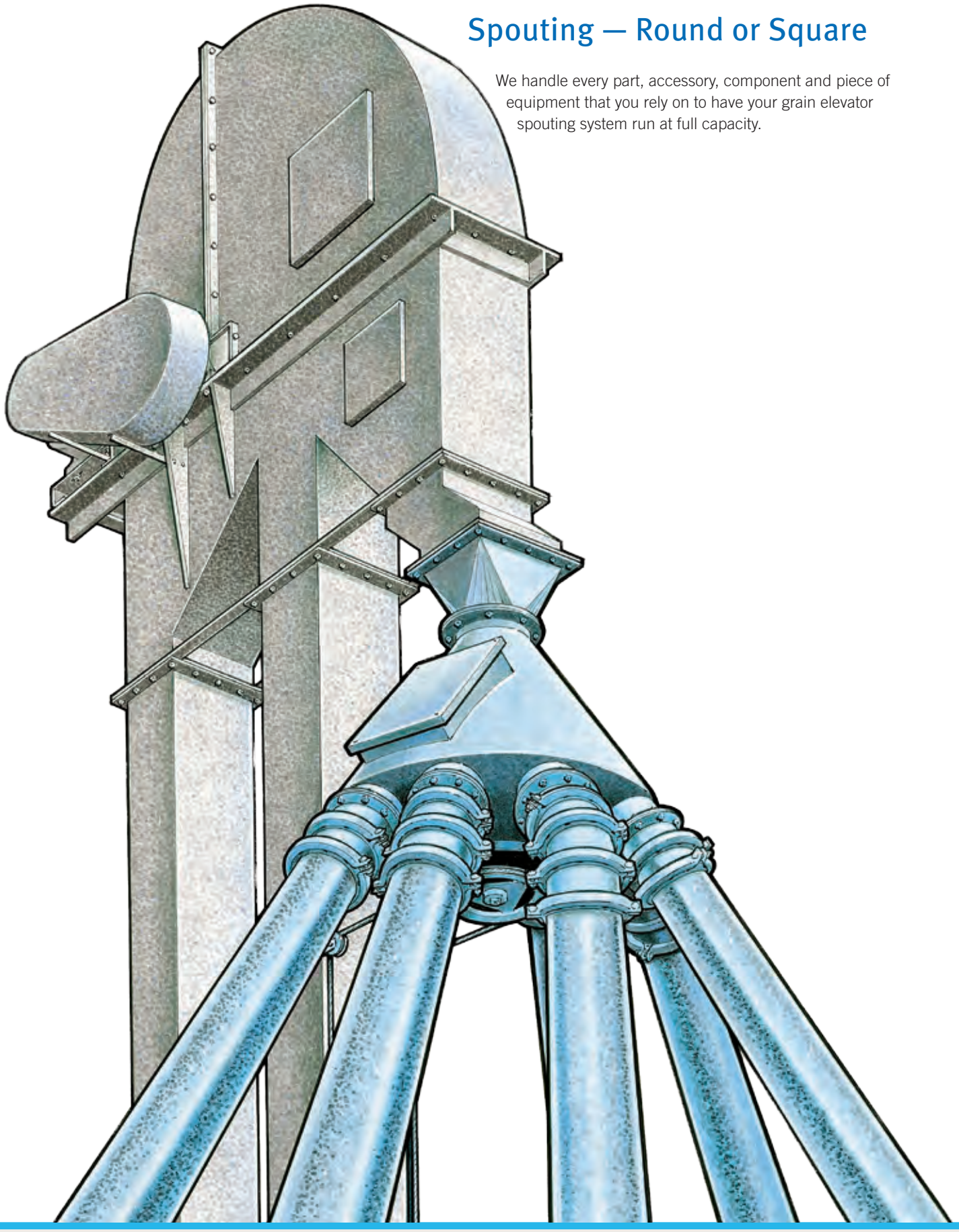
In some situations, product flow into a tight, unvented bin can be restricted due to back pressure. The PRV is an economical vent that equalizes air pressure and improves product flow. A cloth filter prevents fugitive dust. The quick access cover allows for cleaning or changing of the fabric filter.

Installation is easy and requires no special tools.

- No welding is required, as the PRV has a pre-drilled angle ring flange-mounting base.
- Simply cut a circular opening on a flat surface.
- Weatherproof the opening with a bead of caulk.
- Use self-tapping screws to fasten the support tube in place.
- Secure the cloth filter bag with stretch bands, and place the protective cover over the filter.

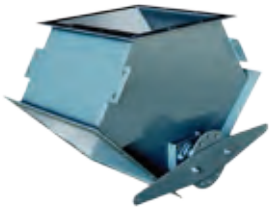
Spouting — Round or Square

We handle every part, accessory, component and piece of equipment that you rely on to have your grain elevator spouting system run at full capacity.

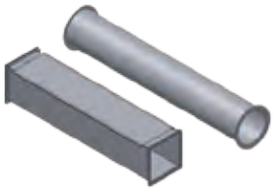


Available Components:

- Distributors
- Gates
- Pressure Relief Ventilators
- Load-Out Spouts
- 2-Piece Band Clamps with Hardware
- Angle Ring Flanges
- Branches
- Cable and Guy Wire
- Galvanized Wire Cable Clips
- Cable Handles
- Cable Pull Gates
- Cable Tighteners
- Dead Stops
- Dust Hoppers
- Elbows
- Expansion Joints
- Flat Band Flanges
- Flow Retarders
- Inlets/Flat Top Adapters
- Overflows
- Reducers — Round
- Spout Caps
- Spout Ends — Adjustable
- Spout Patches
- Spout Saddles
- Spout Welding Sleeves
- Transitions
- 45° Wedges



Spouting



Full line of grain transfer spouting available. Round spouting is available in carbon steel, stainless steel, galvanized and primed. All regular diameters and gauges can be shipped quickly. Round spouting comes in 10', 20' and 40' lengths.

Square spouting and square spouting with removable lid is also available.

We carry all of the necessary lining materials, pieces and parts for your spouting system. Band clamps, angle ring flanges, elbows, transitions and all needed components with fast ship times.

Removable Lid Square Spouting

Available in 7, 10 or 12 gauge.

Linings Available:

- 7-Gauge AR
- ¼" UHMW
- ¼" Expanded Metal Back Urethane
- 5⁄16" Expanded Metal Back Urethane
- 5⁄16" Ceramic Chip Expanded Metal Back Urethane
- ¼" Ceramic Tile

Standard length is 10" with custom lengths also available.

Truss kits available.

Dust Hopper

10-gauge carbon steel. Dust Hopper height is same as gate opening.

Expansion Joints

Available materials include:

- 10-Gauge Carbon Steel
- 10-Gauge Stainless Steel
- 10-Gauge Galvanized Steel

Flow Retarder

Available in carbon steel.

Options:

- 10-Gauge 3⁄16" Baffle
- 7-Gauge ½" Baffle
- 10-Gauge Galvanized with 7-Gauge Welding Sleeve (18" sleeve with 7-gauge stiffening channel on back for long runs of more than 40')

Brite Zinc Aerosol Spray

- Covers 40 square feet
- 69 percent zinc metal
- One-step color matches the shiny look of Hot-dip galvanizing
- Special no-clog nozzle
- Meets ASTM-A780 for corrosion protection
- 12.5 oz. aerosol can
- Dry time 15–30 mins.

Power Transmission

Call us today and let one of our skilled sales representatives help you with the drives, motors and parts you need for your conveying system.

Chain Roller

Two types of links alternate in the brush roller chain. The first type is inner links, which have two inner plates held together by two sleeves or bushings, upon which two rollers rotate. The inner links alternate with the second type, the outer links, which consist of two outer plates held together by pins passing through the bushings of the inner links.

The "bushingless" roller chain is similar in operation, although not in construction. Instead of separate bushings or sleeves holding the inner plates together, the plate has a tube stamped into it that protrudes from the hole, which serves the same purpose. This offers the advantage of removing one step in assembly of the chain. The roller chain design reduces friction compared to simpler designs, resulting in higher efficiency and less wear.

Drives

We offer a wide range of speed reducers to fit your every need.

- Screw Conveyor Drive Reducers
- Torque Arm Speed Reducers
- Adjustable Speed Drives
- Cycloidal Reducers
- Modular Worm Gear Speed Reducers
- Tigear Reducers
- And More

We also carry approved oil that can be shipped same day.

If you are looking for a specific brand, we can help you out. We sell everything — including Dodge, Browning, Morse, Rexnord and Screw Conveyor drives.

Let us help you find the correct drive for your application.

Electric Motors

Looking to replace your electric motor?

Call today for a quote.

Gear Oil

We stock Mobil® synthetic gear oil approved by our power transmission vendors for use in their products.

We have Super Lube® Grease, Super Lube Oil and Super Lube Aerosol in stock. Many other Super Lube products are available by request.

Super Lube Grease

- Synthetic NLGI grade 2 heavy-duty multi-purpose lubricant
- Compatible with most lubricants
- Excellent adhesion
- USDA food grade
- -45°F to 450°F temperature range
- Will not run, drip, dry out, melt or separate
- Does not evaporate or form gummy deposits

Super Lube Oil

- Premium waterproof synthetic oil
- Nontoxic
- Long lasting
- Extends the life of your equipment

Super Lube Aerosol

- Odorless
- Nontoxic
- Lubricates and loosens rust and dirt
- Waterproof

Lubrication Maintenance Tags

Ensure lubrication maintenance is performed on a regular basis.

- Waterproof
- Perforated
- Durable

Parts

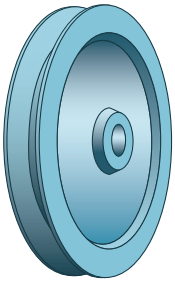
Bearings

Need new bearing? Let us help.

- Standard Duty Ball
- Screw Conveyor Hanger
- Replacement
- Pillow Block
- Cast Iron
- Piloted Flange
- Narrow Slot and Wide Slot Take Up
- Spherical Roller
- Tapered Roller
- Thrust Ball
- And More

Bushings and Sheaves

Taper-Lock and QD sheaves come in many different sizes and styles. Each sheave size will accept a different bushing. Sheaves and bushings are sold separately.



- Classical and wedge-style groove profiles
- Stock sizes from one to 12 grooves, 1 ½" to 71" in diameter
- Available in QD and Taper-Lock bushed or finished bore
- Made-to-order designs also available

Couplings

Serving all your coupling needs.

- Grid Couplings
- Flexible Couplings
- Elastomeric Couplings
- Gear Couplings
- Chain, Ribbed, Rigid and Nylign® Couplings

Rebuild Kits

Our Rebuild Kits include all the bearings, shims, gaskets and seals you need.

Seal Kits

Looking for a new seal kit?

We are your one-stop shop. Call us today for all of your power transmission accessories.

V-Belts

We are a distributor for many brands of V-belts and and can assist you with drive design problems and V-belt maintenance.

V-Belts and Synchronous Timing Belts are used to transmit power between two rotating shafts, transferring power from the driving source to the driven machine.

- Classical A-B-C-D or narrow 3V-5V-8V single belts, polyband multiple-strand belts, lengths from 22" to 660"
- Belts are available in standard or cogged versions, double V (hex) belts, made of neoprene rubber with polyester cord and conform to RMA standards
- Gold Ribbon Cog Belt
- Super II V-Belt
- Super Blue Ribbon V-Belt
- Double Angle V-Belt
- Dry Can Belt

- Power-Wedge Cog Belt
- Synchro-Cog RPP Panther Belt
- Synchro-Cog HT Belt
- Super Power-Wedge V-Belt
- Synchro-Cog Timing Belt
- Synchro-Cog Dual Timing Belt
- Durapower II FHP V-Belt
- Gold Ribbon Cog-Band Belt
- Wedge-Band Raw Edge Cog Band
- Wedge-Band Wrap-Type Banded V-Belt
- Wedge-Band Chipper Drive V-Belts
- Super Vee-Band
- Variable Speed Cog Belt
- Connector Belting
- Thoro-Twist V-Belting

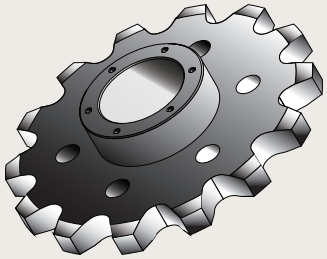
Many more available upon request.

Sprockets

Sprockets for use with roller chain, generally to provide transmission of power between two low-speed shafts.

Key Applications

- Various Types of Conveyors
- Mixers
- Blenders
- Feeders
- Textile Machinery
- Packaging Machines



Modifications Available

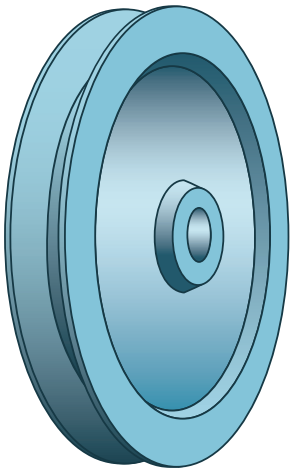
- Rebore, keyset and setscrew for B-type reborable sprockets
- Rebore, surface finish of plate sprockets for use on Torque Tamer

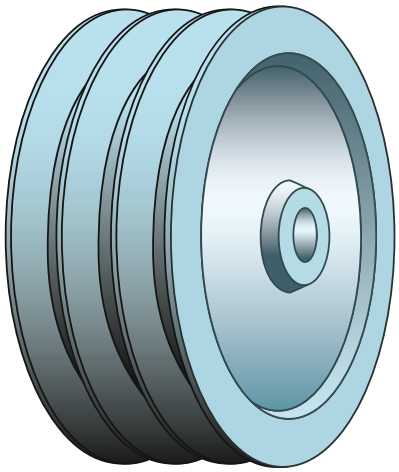
V-Belt Sheaves

Taper-Lock and QD sheaves come in many different sizes and styles. Each sheave size accepts a different bushing.

Sheaves and bushings are sold separately.

- Classical and wedge-style groove profiles
- Stock sizes from one to 12 grooves, 1 ½" to 71" in diameter
- Available in QD and Taper-Lock bushed or finished bore
- Made-to-order designs also available





TEFC Motors

TEFC stands for Totally Enclosed, Fan-Cooled and refers to an industrial electric motor equipped with an external fan to circulate outside air to the motor. This motor is probably the most commonly used motor in ordinary industrial environments. It costs a little more than the open motor, but offers increased protection against weather, dirt and moisture.

Contact us today for more information on TEFC motors.

Explosion-Proof Motors

Explosion-Proof motors are designed to provide exceptional performance and long life in harsh industrial processing applications with potentially explosive atmospheres. These premium construction motors include features designed to protect against contamination, moisture, vibration and will contain an explosion inside and not propagate it into the surrounding atmosphere.

Common Industries

- Chemical Industry
- Oil & Gas Industry
- Forest Products Industry
- Water & Waste Water Industry
- Explosive atmosphere environments

Common Applications

- Compressors
- Pumps
- Fans
- Conveyors
- Gear Reducers

Hose and Hose Accessories

As a part of the ERIKS family, we offer the finest, most comprehensive selection of industrial and hydraulic hose solutions. Our professional staff can help you to find the right product for your application. Contact us for a solution that meets your needs.

Fittings and Accessories

Couplings and Adapters

As a leading North American supplier of hose and accessories, we stock and supply the adapters, quick couplings and fittings you need to make safe, secure connections.

We also offer custom-loaded hose reels, nozzles, swivel joints, loading arms and more.

Hydraulic Hose

We stock a complete range of hydraulic products for a wide array of temperatures and pressures.

From testing, tagging and tracking, to training, special packaging and unique delivery services, ERIKS is the one-stop shop for the hose you need — when and where you need it. Call us today to discuss your specific applications.

Industrial Hose

We stock and supply a full line of general industrial service hose, including:

- Air Hose
- Water Hose
- Steam Hose
- Material-Handling Hose
- Petroleum Hose
- Chemical Hose
- Ducting
- Composite Hose
- Hot Water Wash-Down Hose

Metallic Hose

Stainless Braided Hose

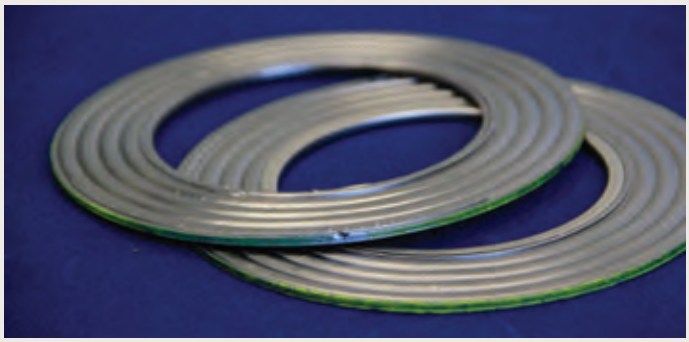
We stock and supply all variations of PTFE and metal hose for every application, including those requiring special alloys, high temperatures and extreme pressures.

Smooth Bore Metal Hose

We stock and supply a complete line for material handling of dry bulk substances.

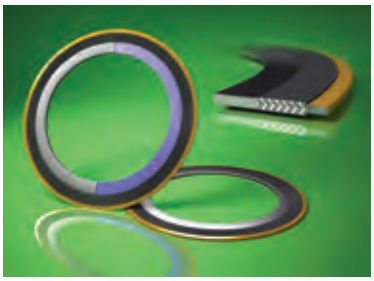
Gasket and Sealing Products

We can assist you with all of your sealing needs. From standard ring gaskets to complex specialty gaskets, we have the rapid response sealing capabilities to seal the deal. Request a quote today for gasket, packing and sealing products.



Heat Exchanger Gaskets

Styles including double-jacketed, camprofile, corrugated and solid gaskets.



Metal Gaskets

Contact us for spiral wounds, RTJ ring gaskets, double jacketed type gaskets, camprofile and corrugated metal type gaskets.

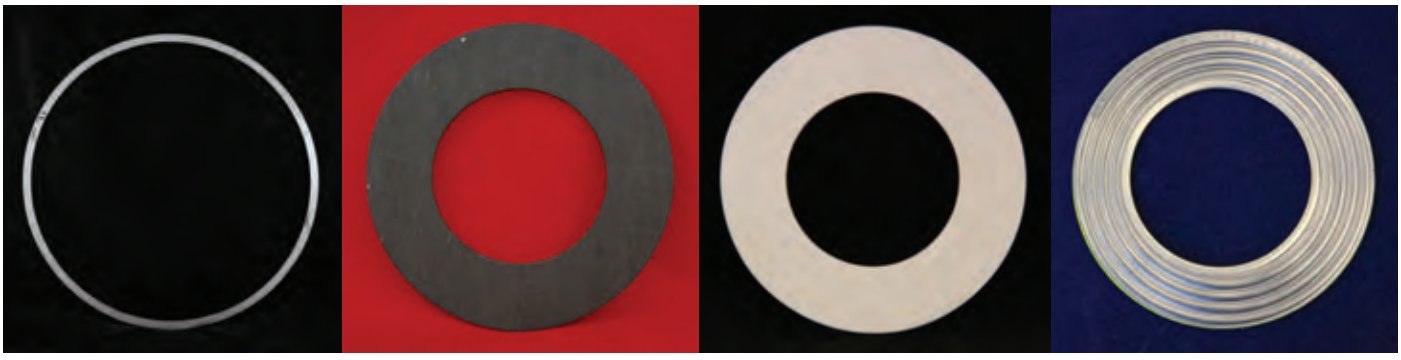
Non-Asbestos Sheet and Cut Gasket Material

We stock and supply a complete line of aramid fiber general service sheet products, high temperature/high pressure grade compressed sheet, fluoropolymer sheet, flexible graphite sheet, rubber sheet and UHMW sheet products.

Pump and Valve Packing

We stock and supply a full line of braided packing, including synthetic fiber, carbon filament/yarn fiber, PTFE filament and graphite filament/yarn fiber.

Whether you need 24/7 die-cut gasket fabrication, high-speed computer-operated gasket die cutting, precision computer-operated knife cutting, water jet cutting, on-site gasket fabrication or inventory stocking programs for shutdowns and outages, ERIKS is the name to know for the know-how you need!



ERIKS Has the Know-How

The ERIKS team is made up of specialists from a wide range of industries with the product and application know-how on which you can rely.

We customize to the needs of our customers and vendors through strong, long-term relationships and close collaboration. These long-term relationships help us to establish formalized processes for each customer that lead to documented cost savings. Our value is also evident in the safety programs we offer to our customers. We don't just respond to emergencies, we create systems to anticipate and eliminate them.

At ERIKS, know-how makes the difference through our:

- Veteran sales team possessing superior product knowledge for each of our clients.
- North American footprint that allows for immediate, 24/7 on-site diagnostic and preventive service.
- Proprietary inventory control system, which enables our team to provide individual customers with consistent and personalized service.
- Customized/fabricated products for specific industry and customer needs with flexibility unmatched in the industry.
- Detailed documentation of fabricated products specific to every end-user that allows for quick action, reducing down time.
- A formalized process to document savings in the total cost of ownership for the products we provide.

For more information, please contact your local ERIKS Representative:

Grain.EriksNA.com

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