



PROTURN®

POWER TURN BELTS | MERGE TABLE BELTS



POWER TURN REPLACEMENT BELTS

Sometimes the most direct route isn't a straight line.

For these situations, we supply a group of specialized belts called power turn belts. ProTurn® is our line of precision fabricated replacement belts and are sold only to distributors and OEMs.



▶ ADVANCED CUTTING TECHNOLOGY

We use a state-of-the-art computer-controlled Flash Cutter to cut our replacement power turn belts. To maintain the tightest tolerances for repeat fabrications, AutoCad® engineering drawings are archived for every ProTurn® belt we manufacture.

▶ ACCURATE SURVEY INFORMATION

Correct dimensions are extremely critical when surveying a power turn belt. In most cases, a belt can not be reworked after it has been cut. Please complete and fax, or e-mail a ProTurn® replacement form for every replacement power turn belt that is ordered.

ProTurn® replacement belts are fabricated to your customers' exact specifications with all guidance hardware installed. Belts for 45°, 90°, 180° and spiral lift applications include either chain, urethane bead, or bearing/wheel guide systems attached and ready for service.

High speed operations and strict safety standards are a way of life for facility managers at airports and around-the-clock package sorting facilities. When faced with a choice of endless conveyor belt options, distributors can be certain we stock an excellent selection of high performance products.

INDUSTRIES INCLUDE:



AIRPORTS

- Air terminal baggage handling
- Airlines service sector
- Air freight sorting facilities

PACKAGING & SHIPPING

- Package handling
- Mail sorting facilities
- Newspaper plants

WAREHOUSE & DISTRIBUTION

- Package handling
- Retail storage facilities
- Mail order facilities

FOOD PROCESSING

- Bakeries
- Canned processing
- Food & drug packaging

CHAIN GUIDE BELTS

Chain drive power turn belt systems were developed in the 1950s and are still some of the most widely used and most dependable power turns found in airports and distribution centers. ProTurn® chain drive belts are made with carbon steel chain for non-food applications with brass grommets, steel rivets, and washers.



We offer a food grade option on all power turn belts. Applications include a wide variety of FDA regulated environments including wash-down and steam cycles. Our nickel-plated carbon chains and grommets are paired with stainless steel rivets and washers — a high-quality combination without the high quality price tag (photos above).

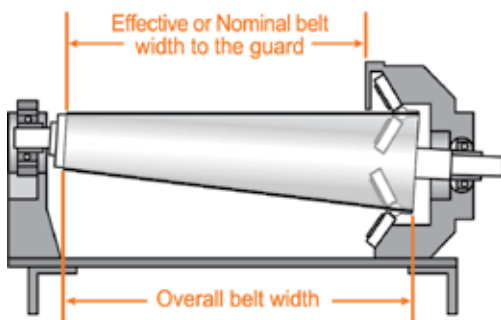
To fabricate a chain drive replacement belt, we need the following: inside circumference, total belt width, total grommet count, center to center distance at lace joint, belt type, whether it is laced or endless, and the conveyor's model number (for AutoCad® verification only).

URETHANE GUIDE BELTS

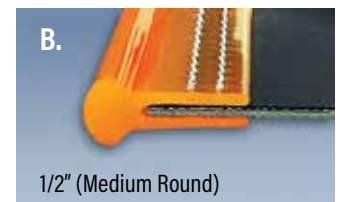
The distinctive orange colored profiles of ProTurn® guides are single piece extrusions that are meticulously double-stitched on the edges for added durability.

Distributors will appreciate a cost savings because less labor is involved with buffing, cementing, and the additional setup time required when using adhesives.

An important feature of ProTurn® single piece extrusion guides is the ability to repair and reuse the belt if the existing urethane guide becomes worn out or is torn.



3/8" (Small Round) *Inside align



1/2" (Medium Round)



5/8" (Large Round)



Angled Guard

The outside orange 1-piece urethane guide is custom made to your specification. Available in turn angles from 20° to 180°, or spiral/ helix styles from 15° to 720°.

When surveying a urethane guide power turn belt, the overall belt width is measured from the inside edge of the belt to the complete, outside edge of the belt. (Image left)

BEARING GUIDE BELTS



Nylon hardware available for food handling.

Bearing Guide systems offer the perfect combination of high speed and the ability to transport heavier loads in all types of applications.

We stock the following guide types:

- 3/4" white nylon step bushing
- 7/8" steel
- 1" White nylon-covered
- 1 3/8" white nylon-covered
- 1 1/2" black nylon-covered



DISTRIBUTION CENTER BELTS

ANGLE MERGE BELTS

Our replacement angle merge belts assure the positive merging or diverging of conveyor lines in a smooth and efficient manner.

MERGE TABLE REPLACEMENT BELTS

Our merge table replacement belts, used on single or multi-line sortation conveyors, are made by us with precision and skill, as good or in some cases better than the manufacturer's product. Belts are assembled with all drive hardware and arrive ready for installation.

DIVERTER ARM BELTS

Diverter arm replacement belts are made with or without v-guides, as specified by the manufacturer. Due to the constant flexing and stretching in high speed diverter arm applications, we employ only the most durable materials when fabricating these belts.

POWER TURN BELTS

All of our fabricated belts can be furnished complete with drive hardware attachments (grommets, bushings, rivets, etc.).

Standard power turn belt applications are 45°, 90° and 180°; however, any belt for spiral lifts of 15° to 720° can be fabricated. In addition to timely delivery, our power turn belts and hardware provide our distributors with another "value added" product that can be offered to customers. Our equipment and tooling match existing power turn belt standards. In most cases, power turn belts can be quoted the same day – if distributors complete our faxable worksheets .

Visit our website to download replacement forms.



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