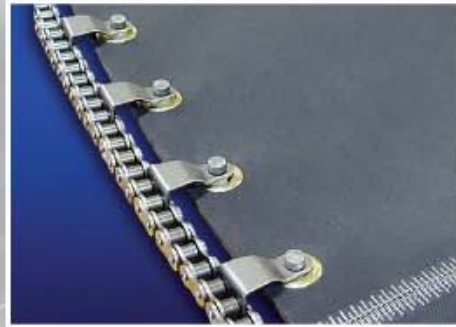




ProTurn® Power Turn Belts, Merge Table Belts, & Induction Belts



Beltservice Corporation

WHAT CAN WE OFFER?

POWER TURN REPLACEMENT BELTS FROM BELTSERVICE

In the case of conveyors, sometimes the most direct route isn't a straight line. In these situations, Beltservice Corporation supplies a specialized group of belts called power turn belts. **Pro Turn®** is the registered trademark name of our line of precision-fabricated replacement power turn belts. As with all Beltservice products, **Pro Turn®** belts are sold only to distributors and original equipment manufacturers who buy our belts for resale or place them on equipment which they in turn sell.

INDUSTRIES USING THE MAJORITY OF POWER TURN BELT SYSTEMS:

1. AIRPORTS

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

3. PACKAGING & SHIPPING FACILITIES

- Package handling
- Mail sorting facilities
- Newspaper plants

2. WAREHOUSE & DISTRIBUTION CENTERS

- Package handling
- Retail storage facilities
- Mail order companies

4. FOOD PROCESSING

- Bakeries
- Canning processing facilities
- Food & drug packaging

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

High speed operations and strict safety standards are a way of life for facility managers at busy airports and around-the-clock package sorting facilities. When faced with a choice of seemingly endless conveyor belt options, distributors can be certain Beltservice stocks an excellent selection of high performance products that meet baggage handling, distribution center, and FDA requirements. For specific information about each belt, consult the power turn belt section of Beltservice's **Products and Services Catalog**. For inquiries concerning non-catalog belts, call the Power Turn Belt Department at 800-727-2358 or e-mail sales@beltservice.com.

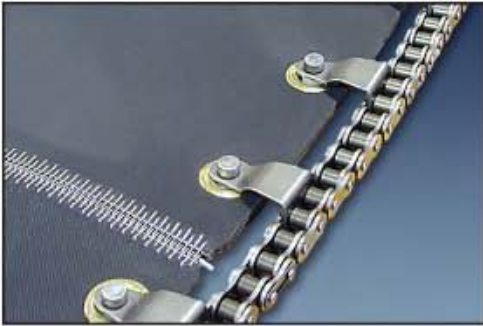
ADVANCED CUTTING TECHNOLOGY

Since 2003, we have used state-of-the-art computer-controlled Flash Cutter and Water Jet tooling to cut all replacement power turn belts. To maintain the tightest tolerances for repeat fabrications, AutoCad® engineering drawings are archived for every **Pro Turn®** belt that Beltservice manufactures.

ACCURATE SURVEY INFORMATION

Correct dimensions are critical when surveying a power turn belt because, in most cases, a belt can not be reworked after it has been cut. Complete and fax, or e-mail, a **Pro Turn®** worksheet (see reverse) for every replacement power turn belt that is ordered.

CHAIN GUIDE BELTS



Chain drive power turn belt systems were developed in the 1950s and are still the most widely used, most popular, and most dependable. They are found in most airports and distribution centers. Speeds range from 250 to 300 FPM (feet per minute). **Pro Turn®** chain drive belts are made with carbon steel chain for non food applications with carbon steel grommets, rivets, and washers.

Beltservice offers 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 (photo below right).

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).



WEAR-STRIP KITS



The UHMW high density polyethylene wear-strip is one of the most wear resistant materials available in the industry. Having an extremely low coefficient of friction, it allows the chain links to glide smoothly through the system.

Beltservice offers kits consisting of two (2) ea. vertical nylon strips and three (3) ea. horizontal UHMW strips. All strips are fabricated in 10 ft. lengths, long enough to accommodate most 90° turns. When replacing the wear strips on large 90° or 180° turns, two kits may be required.

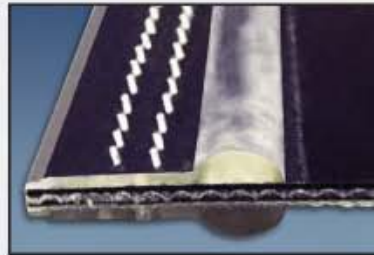
URETHANE GUIDE BELTS



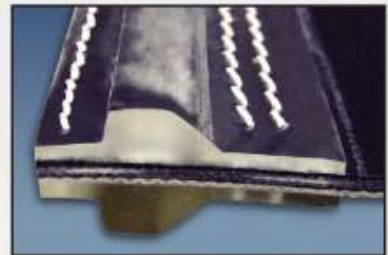
Pro Turn® urethane guide belts are both glued *and* stitched on the belt's edge for added durability. **Pro Turn®** belts also feature an open-faced "Pin-And-Go" lace joint (at left) with a tapered urethane bead and 3/4" gap for easy access to the lace pin. The "Pin-And-Go" saves valuable down time so a belt can be installed quickly without dismantling the conveyor.



Pro Turn® urethane guide is available in 5/8" (LARGE ROUND) diameters as shown above.



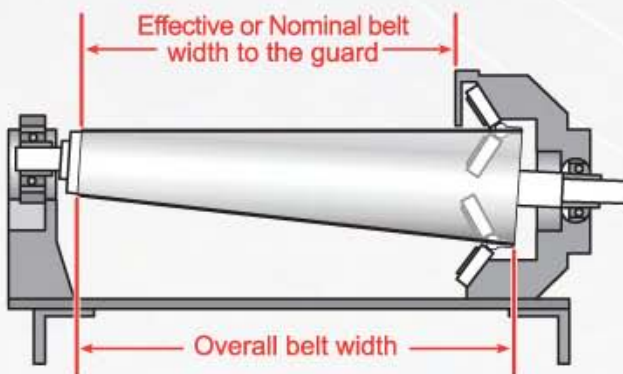
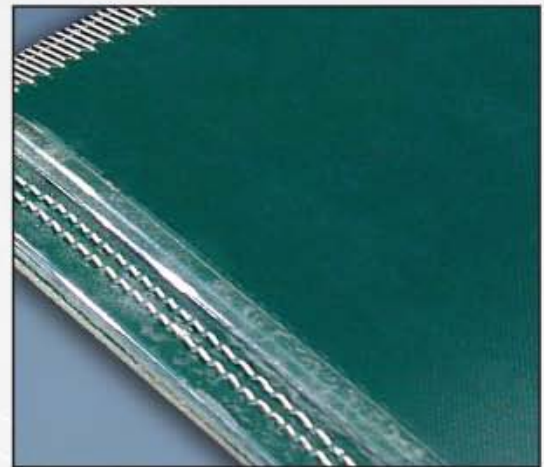
This **Pro Turn®** belt is equipped with a 3/8" (SMALL ROUND) bead aligned to the inside of the belt profile.



Pro Turn® ANGLED urethane guides are stitched and glued in place for longer, trouble free service life.

The outside circumference of our belts has a urethane "bead" guide on one or both covers, cemented and double-stitched, and custom made to your specification. Available in turn angles from 20° to 180°, or spiral / helix styles from 15° to 720°.

We offer urethane round bead profiles in 3/8", 1/2", and 5/8" diameters (belt thickness included), as well as angled bead profiles, to match your current conveyor system requirements.



When surveying a urethane guide power turn belt, the effective, or nominal, belt width is measured from the edge of the belt's exposed surface to the safety guard.

The overall width is measured from the belt's inside edge to the outside edge of the urethane guide on the outer circumference.

BEARING GUIDE BELTS



Bearing Guide systems offer a combination of high speed and the ability to transport heavier loads in all types of applications. Beltservice stocks the following bearing guide types: 7/8" steel; 1" black nylon-covered; 1-3/8" white nylon-covered; 3/4" white nylon step bushing; and 1-1/2" black nylon-covered. In addition, nylon button system hardware is available for food handling applications.



3/4" dia. Nylon Button with connecting band



1" dia. Black Nylon (NC) bearing



1-3/8" dia. White Nylon (NC) bearing



1-1/2" dia. Nylon Covered (NC) wheel



7/8" dia. Steel (SS) bearing

DISTRIBUTION CENTER BELTS

ANGLE MERGE BELTS

Beltservice's replacement angle merge belts assure the positive merging or diverging of conveyor lines in a smooth and efficient manner. They are made with the same durable chain or urethane guidance systems as our power turn belts.

MERGE TABLE REPLACEMENT BELTS

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

INDUCTION TABLE BELTS

Beltservice induction table belts are made with premium hardware and belt fabrics, essential for long, trouble-free service life on tables that control the entry of one production line with another.

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, Beltservice employs only the most durable materials in fabricating these belts.

PRO TURN® POWER TURN BELTS

Beltservice Corporation fabricates three types of power turn replacement belts. All are furnished complete with drive hardware and special attachments (grommets, bushings, rivets, etc.).

Normal 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 accompanying hardware provide Beltservice distributors with another "value added" product that can be offered to their customers. Beltservice's 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 (below).

PRO TURN® POWER TURN BELT URETHANE GUIDE
 Faxable Worksheet • (314) 344 - 8511
 4143 Rider Trail North • Earth City, MO 63045 • (314) 344-8555 • Toll Free (800) 727-2358

PRO TURN® POWER TURN BELT CHAIN DRIVE
 Faxable Worksheet • (314) 344 - 8511
 Beltservice Corporation
 4143 Rider Trail North • Earth City, MO 63045 • (314) 344-8555 • Toll Free (800) 727-2358

PRO TURN® POWER TURN BELT BEARING DRIVE
 Faxable Worksheet • (314) 344 - 8511
 Beltservice Corporation
 4143 Rider Trail North • Earth City, MO 63045 • (314) 344-8555 • Toll Free (800) 727-2358

Each worksheet includes a form with the following fields:
 1.) Inside Circumference: _____ Customer Name: _____
 2.) Outside Circumference (belt off conveyor): _____ Date: _____
 3.) Total Belt Width (including bead): _____ Model #: _____
 4.) R3 Length Measure, at Guard (Belt on Conveyor): _____ Serial #: _____
 5.) R3 Width Measurement: _____ Belt Type: _____
 Load or Endless: _____
 Flat or Spiral: _____
 New or Used: _____

Notes: _____

Diagrams show a curved belt with numbered callouts (1-8) for measurement points. The Urethane Guide diagram includes a legend for bead types: ANGED, LARGE BOUND-1 1/2", MEDIUM BOUND-1 1/4", and SMALL BOUND-1 1/4".

To ensure a quick, accurate quotation from our product specialists, distributors are encouraged to complete and fax a worksheet for every replacement power turn that is needed. Specifications can vary, even on conveyors made by the same manufacturer. For assistance with a power turn replacement belt question, call 800-727-2358 and speak with a Beltservice product specialists. Online assistance with power turn replacement belts is available by e-mailing sales@beltservice.com.

Three types of Pro Turn® power turn belt worksheets are available as downloadable PDF files from Beltservice's website at www.beltservice.com. Or go directly to worksheets and download them at www.beltservice.com/_pdf/powerturn-worksheets.pdf.

**Beltservice Corporation • 4143 Rider Trail North • Earth City (St. Louis), MO 63045
 Phone: (314) 344-8500 • Toll Free: (800) 727-2358 • Fax: (314) 344-8511**