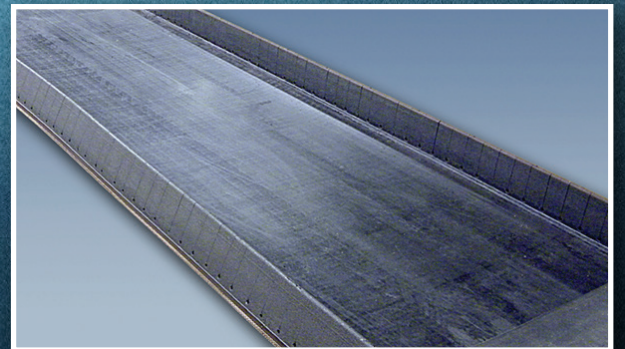
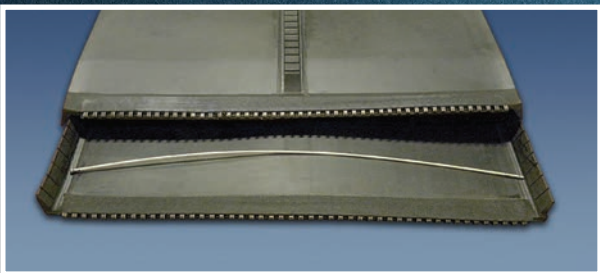
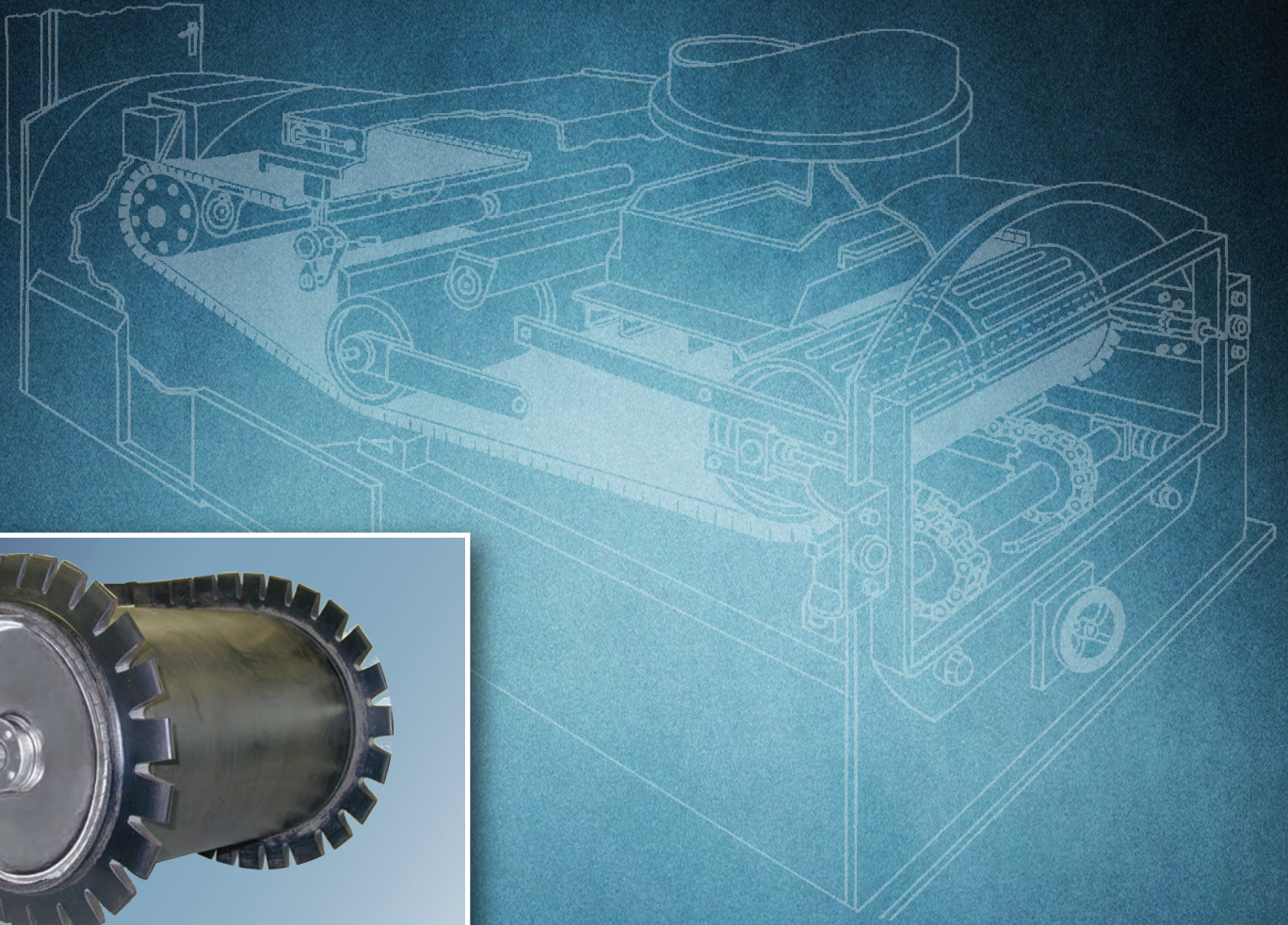


# FEEDER BELTS





# BELTSERVICE FEEDER BELTS: QUALITY

Beltservice manufactures a complete line of flat and fabricated belts for the most popular gravimetric and volumetric weigh feeders. Weigh feeders control the flow of fuel to the coal pulverizers in coal fired power stations. Belt feeders are also used in conveying ore, rock, limestone, minerals and even food grade products into a variety of processing equipment. Our feeder belt fabrications include:

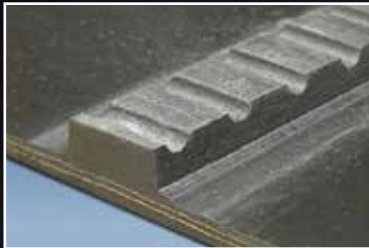
- **FLAT FEEDER BELTS**
- **FLANGED FEEDER BELTS**
- **BOTTOM V-GUIDED FEEDER BELTS**
- **CLEATED FEEDER BELTS**
- **ENDLESS FEEDER BELTS**
- **MECHANICALLY SPLICED FEEDER BELTS**
- **CORRUGATED SIDEWALL FEEDER BELTS**
- **FOOD GRADE FEEDER BELTS**

## BELTSERVICE CUSTOM FABRICATED FEEDER BELTS



### FLANGED FEEDER BELTS

Flanged feeder belts increase conveyor capacity and help prevent product spillage. Care must be taken to operate flanged belts on the proper diameter pulleys.



### BOTTOM V-GUIDE FEEDER BELTS

Bottom V-Guides help minimize belt tracking problems on weigh feeder machinery with short centers. Proper V-guide installation helps eliminate uneven belt tension and excess wandering. As with side flanges, V-guides can be notched or modified in order to negotiate smaller pulleys.



### CLEATED FEEDER BELTS

Cleated feeder belts can be custom designed and manufactured to improve the operation of feeders in some unique applications and environments. Cleats can be hot vulcanized to belts in a variety of heights, shapes, spacing and compounds to address the requirements of almost any situation.



### VULCANIZED ENDLESS FEEDER BELTS

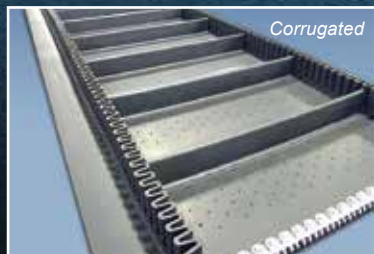
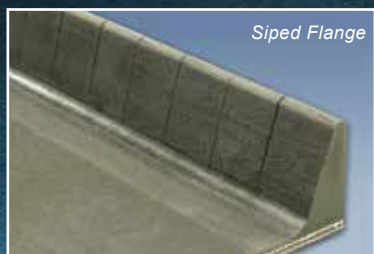
A hot-vulcanized endless splice is stronger than a mechanically laced joint. Endless vulcanized splicing eliminates fastener pull out and tearing of the belt; belt life and performance are maximized. Food grade feeder belts made with a vulcanized endless splice are stronger and more sanitary than belts having an endless mechanical splice.

# Y AND INNOVATION FROM THE LEADER IN

## FLANGED FEEDER BELT COMPOUNDS

Beltservice offers a variety of flange compounds to match the cover compound of the desired base belt. For special applications, consult our Feeder Belt Department to create the exact construction needed by your customer. Matching the flange compound to the belt compound provides superior construction and uniform properties for the entire belt. The majority of Beltservice flange profiles are fabricated with rubber compounds, PVC, or urethane:

- **Rubber Flanges** – Standard rubber flanges are 60 durometer and available in black SBR, black Nitrile, and white Nitrile. For high temperature applications, special flange compounds of white or black Butyl are stocked. A unique problem-solving flange is our 40 durometer rubber flange. This flexible flange will operate on smaller diameter pulleys and can be flexed upwards on conveyors requiring a change in elevation.
- **PVC Flanges** – In some applications PVC is an economical alternative to rubber flanges. Flange heights range from 1" to 4" (25mm to 102mm). PVC flanges are hot welded to a PVC base belt and stocked in black or white. Ideal for wet, oily, or acidic conveying conditions.
- **Urethane Flanges** – Available for super rugged applications. Urethane flanges are strong and abrasion resistant. Siping (also called slitting) of urethane flanges is recommended. All standard heights are available.



## RUBBER FLANGE PROFILES

The following are Beltservice's most common rubber flange fabrications that help increase conveyor capacity while decreasing material spillage.

- 1/2" (13mm) Rubber
- 3/4" (19mm) Rubber
- 1" (25mm) Rubber
- 1-1/2" (38mm) Rubber 90° one side
- 2" (51mm) Rubber Standard
- 2" (51mm) Rubber Special 90° one side

## FLANGE FABRICATION OPTIONS

There are five options available to help a flanged feeder belt operate on smaller-diameter pulleys:

- **Solid** – Styles available: Gumdrop, Tapered One Side, and Tapered Both Sides. Note that all styles are not available in all the standard heights.
- **Siped** – Siping involves slitting the flange down to the surface of the base belt. This allows the outside edge of the flange to expand as the belt navigates the pulley, decreasing the stress on the flange.
- **Drilling and Siping** – Similar to siping, except that a relief hole is drilled at the base belt's surface. This prevents the siping from propagating further.
- **Notching** – The most effective method of relieving stress on a flanged belt. A notch with a radius allows the flange to easily negotiate the curvature of the pulley or weigh span. When accuracy is the top priority, this style flange offers the precision necessary for weighing.
- **Corrugated** – Corrugated sidewalls can be used when the feeder's pulleys are too small for flanges or greater height is required for higher capacity feeders. Sidewalls can be hot bonded with matching compounds.



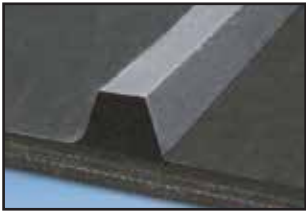
# FABRICATED CONVEYOR BELTING

## FEEDER BELT V-GUIDE OPTIONS

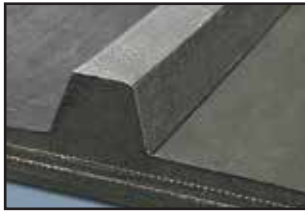
Feeder belt performance and tracking can often be improved by adding a V-guide to the bottom of the belt. V-guides can be hot molded to any belt and made endless, bonded to the top cover as flanges, or to the underside as a tracking guide. Notching V-guides helps minimize minimum pulley diameter requirements

### STANDARD V-GUIDE CROSS SECTIONS: *(Other Sizes Available)*

- **A** – 1/2" (13mm) W x 5/16" (8mm) H
- **B** – 5/8" (17mm) W x 7/16" (11.11) H
- **C** – 7/8" (22mm) W x 5/8" (16mm) H
- **D** – 1-1/4" (30mm) W x 3/4" (19mm) H
- **Modified D** – 1-1/4" (32mm) W x 7/16" (11mm) H
- **Modified E** – 1-3/4" (44mm) W x 17/32" (14mm) H



"B" Section Rubber V-guide.



"C" Section Rubber V-Guide



Modified "D" Rubber V-Guide



Modified "E" Rubber V-Guide



## CLEAT OPTIONS

Rubber, PVC, or urethane cleats are added to feeder belts designed for incline/decline applications. Cleats can be indented from the belt's edge or full width, notched for troughing idlers or curved pans, made with cut-outs, or cut down to custom heights. Notching chevron cleat patterns allows their use on smaller diameter pulleys.



## FOOD GRADE FEEDER BELTS

FDA-accepted base belts, flanges, and cleats are stocked in oil-resistant Nitrile, PVC, and Butyl. White Nitrile belts are used for general purpose food or package handling and can be steam cleaned. White PVC belts are an excellent value for most food processing uses. Our white Butyl belting is designed for extreme temperature applications from -65° to 300°F.

**In-Stock Feeder Belts  
From North America's  
Most Experienced  
Manufacturer and  
Wholesaler**



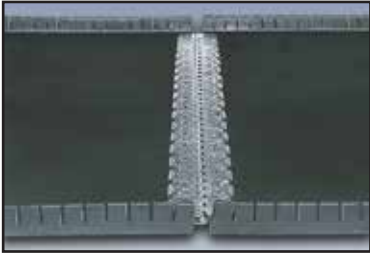
## WHEN YOU MUST HAVE:

- Precision Weighing
- Greater Dependability
- Hassle-Free Installation
- Excellence in Material
- Excellence in Workmanship
- Decreased Inventory
- Immediate Availability
- Field Sales Experts
- Technical Support

# Beltservice: “The Belting Professionals”

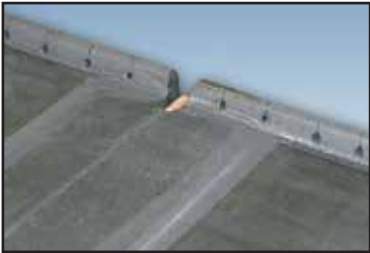
## MECHANICALLY SPLICED FEEDER BELTS

An assortment of mechanical fasteners are available for most feeder belt splicing situations. Mechanical splices offer economy and quick belt installation and change-out. Beltservice also provides the option of a covered or hidden splice in which the mechanical fastener is hidden beneath the cover of the belt. Three types of covered or hidden splice fabrications are offered:



- **STANDARD MECHANICAL LACING**

A variety of standard mechanical fasteners are offered with hinge pins for an easy, quick and secure method of joining belt ends. Types include Alligator, Clipper, Flexco, Minet and others. Avoid lacing problems with feeder belt orders by utilizing the lacing expertise of our Feeder Belt department.



- **RUBBER COVERED SPLICE – TOP COVER**

In this splice, the mechanical fastener is hidden beneath the top cover of the belt. This creates a smooth, nearly seamless surface on the carrying side of the belt. Ideal for applications where fine or particulate materials need to be prevented from working through a traditional mechanical fastener into the conveyor components, or where the belt is cleaned by a scraper.



- **RUBBER COVERED SPLICE – BOTTOM COVER**

This splice is similar to the splice above, but with the bottom cover over the mechanical fastener. This splice is designed to protect the pulleys and rollers from the mechanical fasteners and keeps the lace from deflecting weigh rollers on gravimetric feeders.



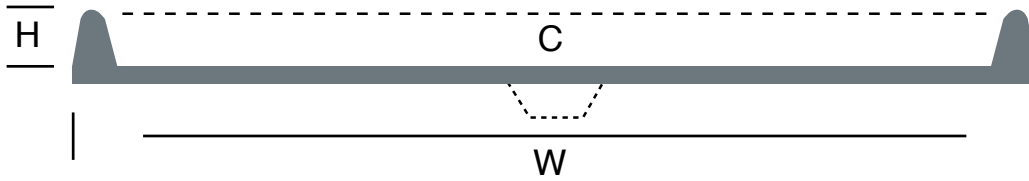
- **RUBBER COVERED SPLICE – BOTH COVERS**

Provides the ease of installation of a mechanical fastener with the smooth operation of a vulcanized belt. Both the product and the conveyor are protected from marring by the mechanical fasteners. This splice also prevents the lace from deflecting weigh rollers on gravimetric feeders.

## THE RIGHT FEEDER BELT WHEN YOU NEED IT

Beltservice's objective is to furnish our customers with a full range of belting products and services at competitive prices with timely deliveries. Priority service is also available at an additional charge when necessary in breakdown or emergency situations.

# Feeder Belt Order Information



Belt Type \_\_\_\_\_

V-Guide ☐ Yes ☐ No

Covers \_\_\_\_\_

V-Guide Size \_\_\_\_\_

Belt Length \_\_\_\_\_

☐ Notched

Belt Width (W) \_\_\_\_\_

Cleat Height (C) \_\_\_\_\_

Side Flange Height (H) \_\_\_\_\_

Cleat Type \_\_\_\_\_

☐ Notched ☐ Siped ☐ Siped & Drilled

Cleat Width \_\_\_\_\_

Splice Style \_\_\_\_\_

Cleat Spacing \_\_\_\_\_

Pulley Diameter \_\_\_\_\_

## Recommended Minimum Pulley Diameters

### MOLDED RUBBER FLANGES

#### 60 Durometer Rubber Flanges

		<b>Solid</b>	<b>Siped</b>	<b>Siped &amp; Drilled</b>	<b>Notched</b>
1/2"	(13 mm)	8" (203 mm)	7" (179 mm)	6" (152 mm)	6" (152 mm)
3/4"	(19 mm)	10" (254 mm)	7" (179 mm)	6" (152 mm)	6" (152 mm)
1"	(25 mm)	10" (254 mm)	7" (179 mm)	6" (152 mm)	6" (152 mm)
1-1/2"	(38 mm)	18" (457 mm)	14" (356 mm)	12" (305 mm)	12" (305 mm)
2"	(51 mm)	18" (457 mm)	14" (356 mm)	12" (305 mm)	12" (305 mm)

#### 40 Durometer Rubber Flanges

1/2"	(13 mm)	4" (102 mm)
3/4"	(19 mm)	6" (152 mm)
1"	(25 mm)	8" (203 mm)
1-1/2"	(38 mm)	10" (254 mm)
2"	(51 mm)	12" (305 mm)

**Please call for information on our PVC and urethane flanges!**



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[beltservice.com](http://beltservice.com) | [info@beltservice.com](mailto:info@beltservice.com)

