



# INDUSTRIAL PRODUCT CATALOG

**TUMBLE BLAST  
BELT**

**HEAVY DUTY  
CONVEYOR  
BELT**

**EXPANSION  
JOINTS**

**FABRICATED  
CONVEYOR  
BELT**

**MATERIAL  
HANDLING  
HOSE**



Helping industrial companies implement innovative solutions to upgrade performance, reliability and customer satisfaction.

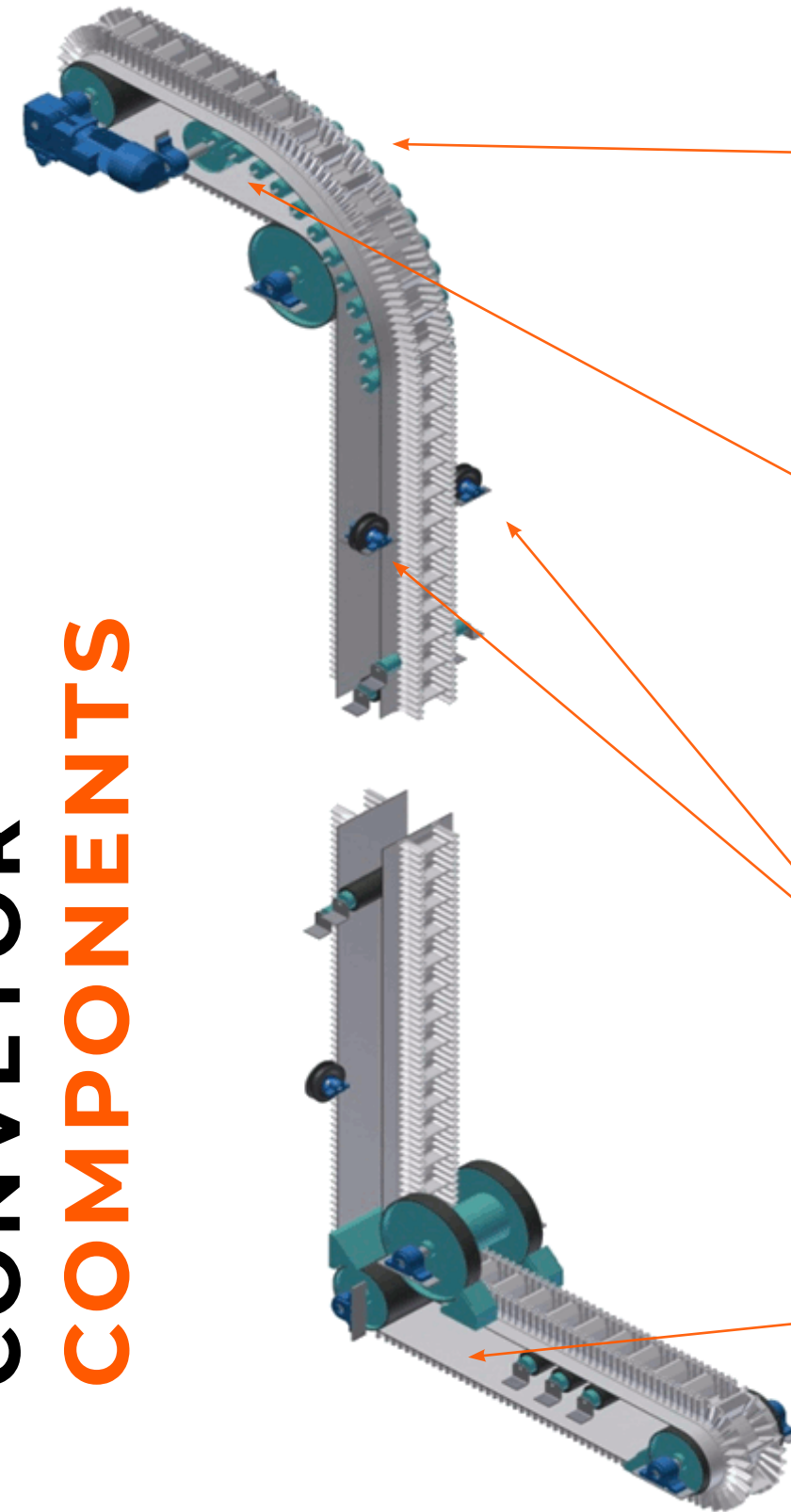


## HIGH ANGLE SIDEWALL BELTS

**Bi-State Rubber Inc.** Manufacturers high angle sidewall belts for various industries such as power, cement, steel mills, scrap recycling, pulp & paper mills, mine processing plants and many more. Belts available in Gr-2, MOR oil resistant, Fire resistant and High Temperature covers. Sidewall heights range from 1" tall up to 20" tall.



## HIGH-ANGLE CONVEYOR COMPONENTS



CONVEYING

BEATER PULLEYS

GUIDE WHEELS







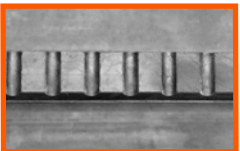




STUB IDLER





# WEIGH FEEDER BELTS

We have the most choices available on the market for feeder belts, including **Fire Resistant**, **EPDM high temperature**, **RMA Grade 2**, and **RMA Grade 1** for more abrasive conveying applications. These belts are used in material handling plants to measure bulk material across the belt.

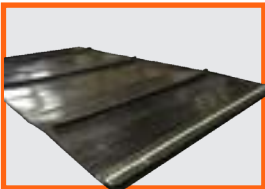
COMPONENT	PURPOSE	STYLES	
WEIGH FEEDER BELTS			
FLANGES	<ul style="list-style-type: none"> <li>Prevent material from overflowing.</li> <li>Several styles and heights of flanges available upon request.</li> </ul>		
SIDEWALLS + GUIDES	<ul style="list-style-type: none"> <li>Various sidewalls and bottom guides available upon request.</li> </ul>		
SPLICES	<ul style="list-style-type: none"> <li>Belt ends can be joined using mechanical fasteners or vulcanized endless.</li> <li>The BSRX-1 and BSRX-2 fasteners are recessed and rubber covered to enable quick changeout with minimal effect on belt accuracy.</li> </ul>		
			

DID YOU KNOW?

Bi-State Rubber Inc. is the oldest weigh feeder belt manufacturer in the United States.

# MAGNETIC SEPARATOR BELTS

**Overhead** or **Overband magnetic separators** are suspended above belt or vibratory conveyors, magnetically lifting ferrous metals out of bulk material. They are used for the following:



HEAVY DUTY rubber and urethane belts available.

- Protect processing equipment
- Remove damaging tramp metal
- Steel recovery
- Prevent repairs and downtime.



## CLEATS + MECHANICAL FASTENER

- Hot vulcanized to the base belt for a bond the full width of the cleats, making them an integral part of the belt top cover.
- Bolted metal cleats, should they be pulled loose, can cause damage to other equipment or belts.
- Stainless steel non-magnetic hinged mechanical fasteners are riveted to the belt for the best durability and strength.
- Belt length and width and number of cleats are custom made to your system's requirements.
- Stainless steel does not interfere with the system magnet.

## SUPER SCREW FLEXIBLE FASTENER

- Leak Proof
- Highly Flexible
- As strong as vulcanized splice
- Available compounds
- Heat resistant
- Fire resistant
- Oil resistant
- Abrasion Resistant



## ELEVATOR BELTS + BUCKETS

**Bi-State Rubber** can supply both rubber and PVC bucket elevator belting for all industries. Belts can be provided punched to all industry standard patterns.

### BELTING

Belting compounds range from standard **Gr-2**, **Fire resistant**, **High Temp** and **MOR**. Base Belting tensions range from 120 PVC to over 1200 PIW for high capacity elevators.

### ACCESSORIES

We offer all needed **hardware** for bucket replacement and **splicing**.



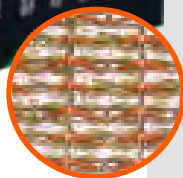
### BUCKETS

Elevator buckets are available in a wide variety of materials, including **fabricated steel**, **ductile iron**, **nylon**, and **urethane**.



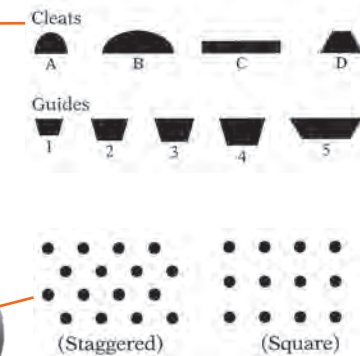
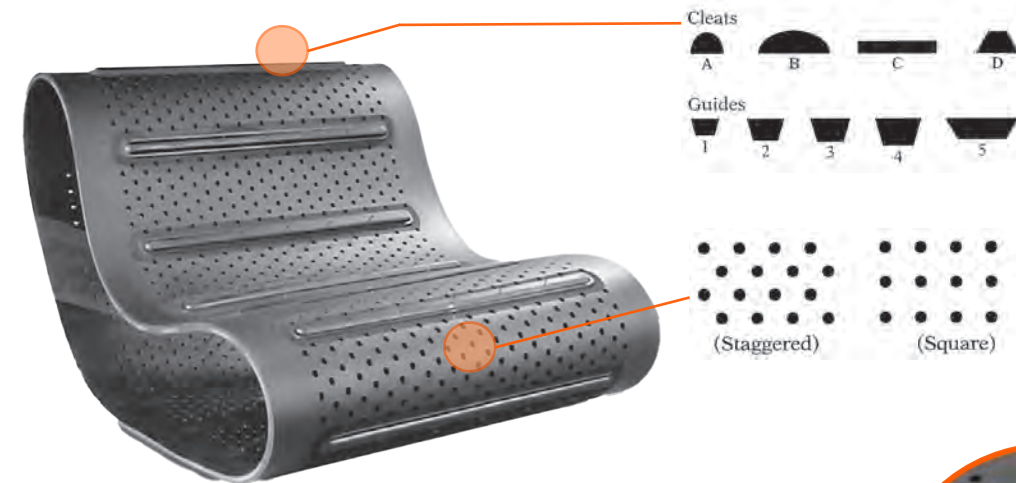
- Rubber Belt with Steel Web Cord for Heavy Duty Applications
- Strength up to 2,280 PIW (4000 N/mm)
- Minimum Stretch - Elongation at Maximum Working Load 0.35%
- Temperature Resistant up to 302°F Continuous (356°F - Short Peaks)
- Can Run Over Slightly Crowned Pulleys.
- Anti-static

**STEEL WEB CORE**



## TUMBLE + BLAST BELTS

**Bi-State Rubber** manufactures replacement belts for most manufacturers of rubber belted shot blast machines including Wheelabrator, Pangborn, Viking, Bronco, Kelco, C/M, Sinto, BCP, DeLong, MP Tech, Coyote and Gibson Equipment. We are the oldest manufacture of replacement shot blast belts since 1974.



**Cleats** and **Guides** are available to OEM specs or we can custom design a belt to improve the productivity and life expectancy of your belt.

Holes are available in both **staggered** and **square** patterns. 5/32", 3/16", 1/4", 5/16", 3/8"

### WE CONVEY QUALITY

- 3 ply and 4 ply belting are available with the most **durable covers in the industry**. Available in 3/16" x 1/6", 1/4" x 1/16" and 3/8" x 3/32" covers.
- For high abrasion or cutting gouging, we can offer a urethane belt
- Belts are Branded for **easy identification**



- New "split" belt design for **quicker belt changeouts**.





# CUSTOM FABRICATED BELTS

With over 50 years of custom conveyor belt experience, we are the **material handling experts**. Whatever your needs are, let us design and engineer a belt that works perfectly with your unique system.



COMPONENT	PURPOSE	STYLE	COMPONENT	PURPOSE	STYLE
CLEAT-LOCK	<ul style="list-style-type: none"> <li>Integrally Molded Cleats with Drilled and Slit BSR Vanner Edge Sides.</li> </ul>		POCKET INLINE BELT	<ul style="list-style-type: none"> <li>Pocket Inline Belt with UHMW insert to help with material reclaim.</li> </ul>	
BEEFY 'T' STYLE CLEAT	<ul style="list-style-type: none"> <li>Equipped with BARE Bottom Base Belt.</li> </ul>		DRILLED AND SLIT	<ul style="list-style-type: none"> <li>Drilled and Slit Vanner Edge with Integrally Molded Cleats.</li> </ul>	
MOLDED CLEATS	<ul style="list-style-type: none"> <li>Integrally Molded Cleats with Corrugated Sidewall for the Frac Industry.</li> </ul>		UNIQUE 'T' STYLE CLEATS	<ul style="list-style-type: none"> <li>Unique "T" style cleated PVC belt with slit vanner edge.</li> </ul>	
VANNER EDGE	<ul style="list-style-type: none"> <li>Vanner Edge Feed Belt with shallow Aluminum cleats.</li> </ul>		CUSTOM GUIDES	<ul style="list-style-type: none"> <li>Custom guides that work for your unique system.</li> </ul>	

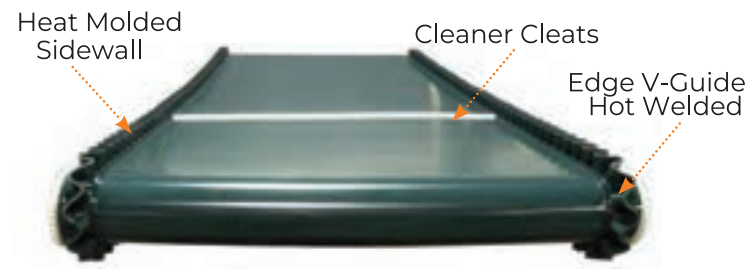
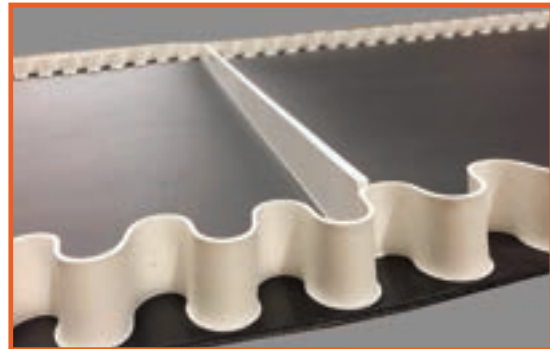


DID YOU KNOW?

**Bi-State Rubber Inc.** has been manufacturing Fabricated Conveyor Belts since 1970.



## PVC AND PU CONVEYOR BELTS



Solutions for efficient separating

### EDDY CURRENT

A magnetic field throws non-ferrous metals forward into a bin. Bi-State Rubber also offers abrasion resistant options for longer belt life.



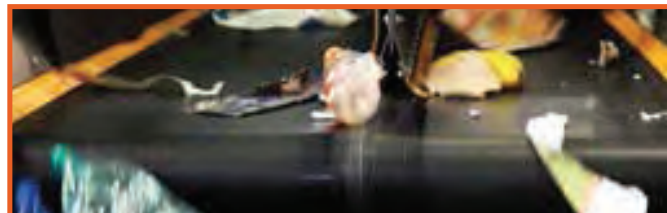
### MAGNETIC SEPARATORS

Attracts ferrous metals and drops them into a bin. Bi-State Rubber uses a high abrasion and impact resistant belt to reduce downtime.



### OPTICAL SORTER

High speed optical and laser sorters separate different materials. Bi-State Rubber belts are designed to increase sorting reliability.



### SENSOR CLIPS

Specialty fabrication is available for any application challenge that you have.



## FILTER BELTS

Rubber Drainage Belt for HBF (Horizontal Vacuum Belt Filter)



### DESIGN AND STRUCTURES

Drainage belts can be supplied in different designs. Here are the most common:



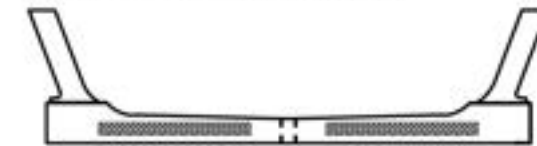
With lateral straight curb (height 75 or 125 mm) applied by hot vulcanization or by cold bonding by means of specific cements.



With lifting flat curbs and inner rubber guide obtained in a single piece by mold.



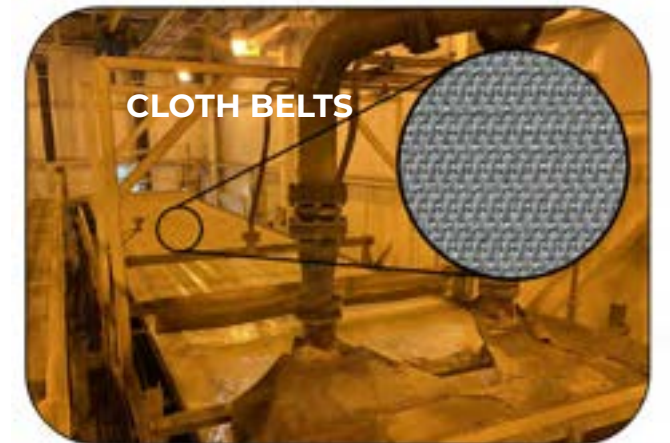
With flat trapezoidal curbs applied cold bonded by means of specific cements.



With corrugated lateral curbs (height up to 130mm) applied by cold bonding by means of specific cements.



### CLOTH BELTS



### TARGET CUSTOMERS:

- Power plants utilizing an absorber with a wet, flue gas desulfurization (FGD) process
- Dewatering FGD solids using a horizontal vacuum filter or other cloth filter press process
- Similar filter belts are widely used in various mining industries.



## HEAVY DUTY CONVEYOR BELT

**Bi-State Rubber** offers a full line of conveyor belting for numerous industries that include power plants, cement manufacturing, steel mills, foundries and paper mills throughout North America and the Caribbean.



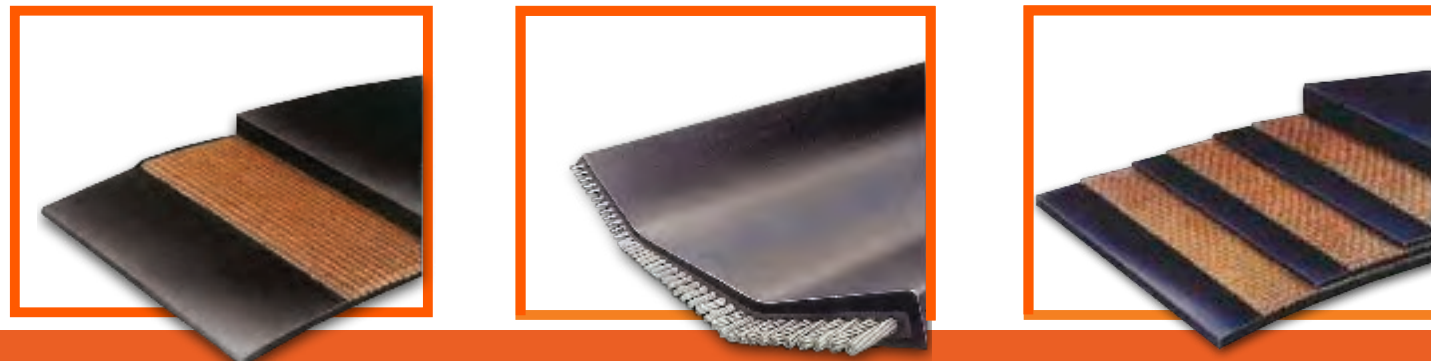
### BI-STATE RUBBER OFFERS A VARIETY OF BELT COMPOUNDS AND FABRIC

- Engineered designed belting to meet demanding applications
- Multi-ply belts with 100-200 lbs fabrics up to 2000 PIW tension rating
- Straight Warp fabrics for severe cut and gouging problems
- Steel cord belts
- Hot material belts with 400 °F rated covers and fiberglass carcass to resist burn through
- Pipe or tube conveyor belts to prevent spillage
- MSHA and fire resistant covers available
- High Abrasion resistant covers for conveyors with heavy wear problems

**FENNER DUNLOP**  
ENGINEERED CONVEYOR SOLUTIONS

**LEGG**

**GRT RUBBER**

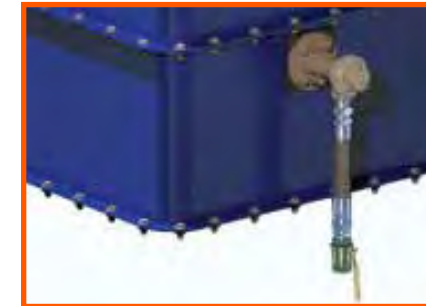


## CHUTE LINING SYSTEM

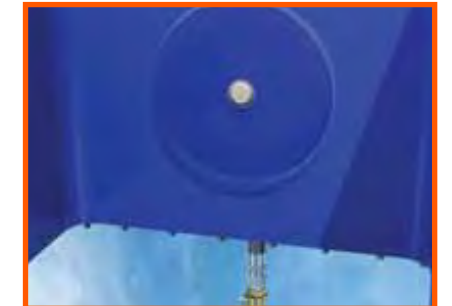
**PNEUMATIC AIR CANNON SYSTEM- PACS** provide short, precise, bursts of penetrating air, along the surface walls, in order to stop problems before they start.



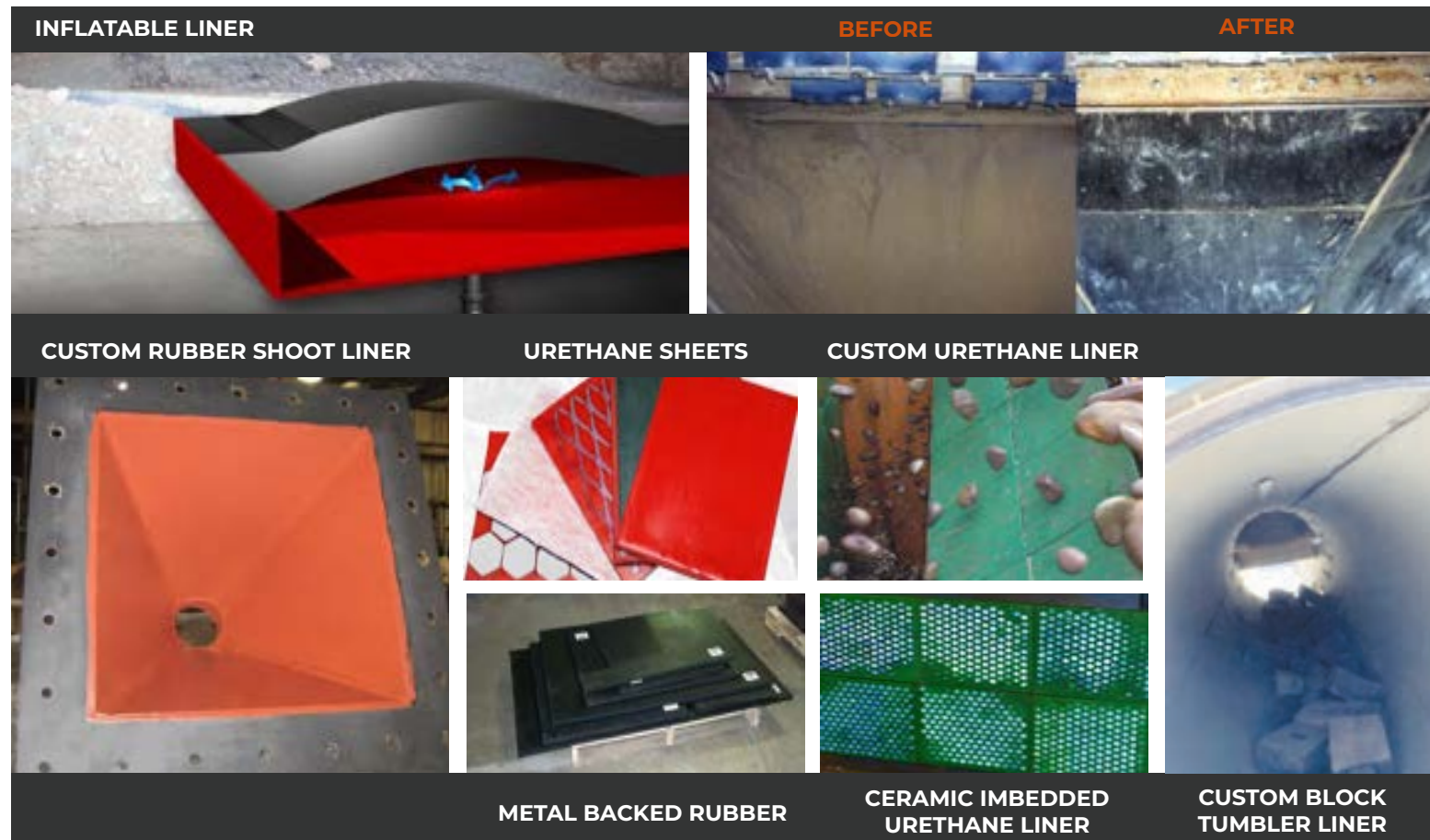
- A hardened, wear resistant **PACS** nozzle head mounted nearly flush with the chute wall.



- Installed in areas where pluggage starts.



- An activated radial **PACS** nozzle emits circular burst along the chute wall for a tenth of a second.







BI STATE RUBBER

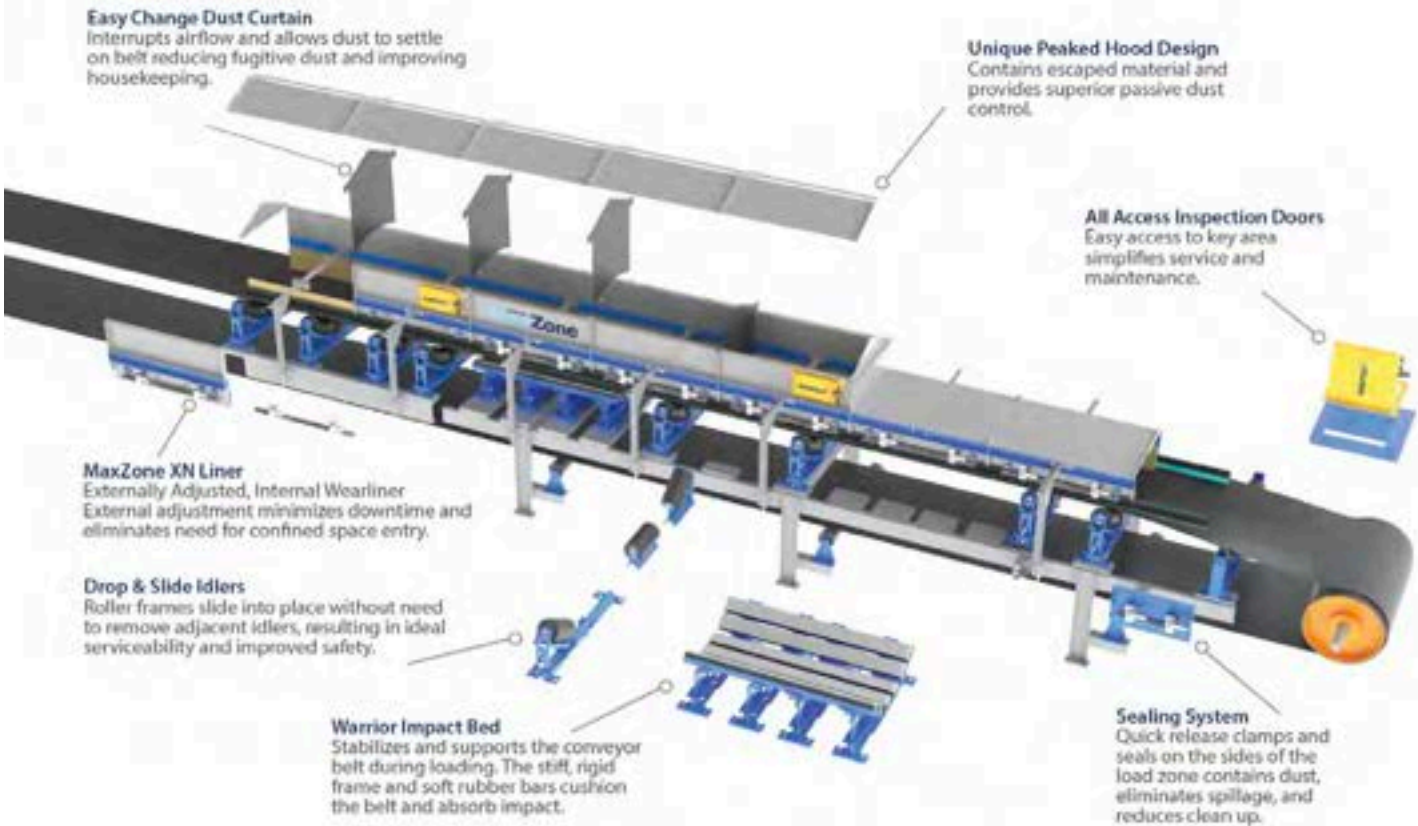
**BENETECH**  
SAFE MATERIAL HANDLING SOLUTIONS

**MaxZone PREMIUM**

**Load Zone Containment**

At Benetech, we have over thirty-eight years of industry experience reducing dust, preventing spillage, and improving material flow. With this knowledge, we can recommend practical and cost-efficient solutions to our customers.

The MaxZone Series of products is designed to reduce dust and prevent spillage at the load zone, making it easier and safer to conduct maintenance and labor. Benetech's material handling experts can help you resolve dust and spillage issues with a selection of components that can be catered to your material handling needs. We have the solutions to help keep your operation clean, safe, and efficient.



**COMPONENTS**

			
INSPECTION DOORS	PREMIUM PLUS	PREMIUM	STANDARD
Dust-tight seal	●	●	●
Wearliner optional	●	●	
Greased fittings (on pinned hinges)	●		
Stainless steel optional		●	
Never seize latches	●	●	
Custom options available			●
Easy to install	●	●	●
Custom sizes available	●	●	●
Screen option available	●	●	●

**XN LINERS**



**SIMPLE AND QUICK**  
wearliner replacements

- No confined entry requirements
- Easy visible adjustment with instant performance boost
- Reduced early wear and erosion of skirt rubber
- Extended life of usable steel/chrome of skirt rubber
- Extended life of usable steel/chrome of skirt rubber



- WEARLINER MATERIAL OPTIONS**
- AR 400
  - UHMW
  - Stainless
  - Ceramic
  - Chromium
  - Carbide

**BELT SAFETY**

**ADJUST LINER IN 3 EASY STEPS**

- Loosen four liner bolts
- Turn cams until desired height off belt is met
- Retighten bolts





## CONVEYOR SKIRTING

### POLYURETHANE SKIRTING

- ▶ 8-10 times the wear life over rubber
- ▶ 60% lower coefficient friction compared to rubber
- ▶ Will not groove your conveyor belt

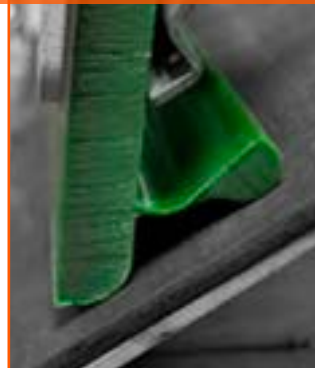
#### LOAD ZONE CONTAINMENT SKIRTING



#### SNAP-LOC



#### DUO-SEAL



#### FOLD-N-SEAL



#### RUBBER SKIRTING



- ▶ Standard 60 durometer skirt board



- ▶ Replacement for Martin Apron Seal



- ▶ Urethane skirted rated to 400°F



- ▶ High Temp solutions to 400°F. for hot foundry and cement applications.



- ▶ Natural Rubber Skirtboard with soft Durometer high tensile strength.

## CONVEYOR BELT CLEANERS

#### MICRO ERASER



#### ERASER



#### ERASER DS



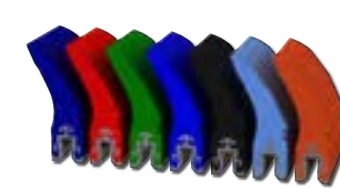
#### SUPER ERASER HD



#### V-MAX V-PLOW



#### SUPER-G



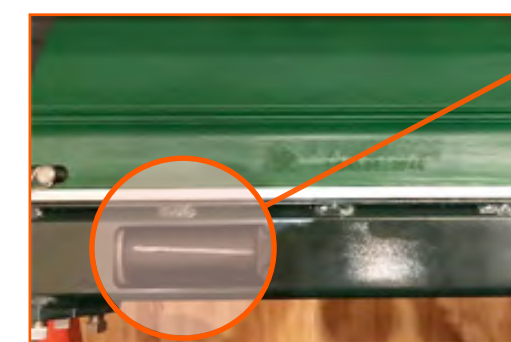
#### REPLACEMENT BLADES



#### HIGH TEMP BLADE TO 400°F



#### SAFE TORQUE RATCHET SYSTEM



Tension is applied to the middle of the belt scraper.

- Safer operation
- Easier to tension
- ▶ • Corrosion-resistant
- One hand adjustment
- No kickback or pins
- Completely sealed



#### BRUSH CLEANER



#### FINGER SCRAPER

### WE PROVIDE

**Wear resistant,  
high-performance**  
urethane solutions!



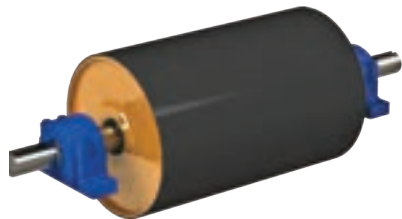
# CONVEYOR PULLEYS

The finest and most complete line of conveyor pulleys.

CLEAN FLIGHT WING



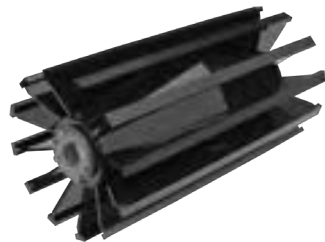
ENGINEERED CLASS PULLEY



ENGINEERED MINING PULLEY



MINE + QUARRY DUTY WING



PROFILED END DISC



CERAMIC LAGGED



SLIDE LAG STRIPS



FULL ASSEMBLY



DEFLECTION WHEELS



TROUGHING IDLERS



DROP + SLIDE TROUGHING IDLERS



CONVEYOR TRACKING GUIDLERS



# CONVEYOR IDLERS

IMPACT IDLERS



DROP + SLIDE RETURN IDLERS



TRAINING IDLERS

The Reversible Benetech Training Idler is available if required for reversing conveyor belts.

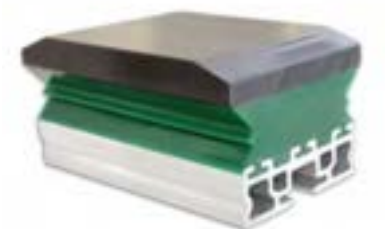


Seals, O-Rings and Expansion Rings are designed to ensure longevity, integrity and performance of the roller unit.

RETURN IDLERS



IMPACT BEDS



**Above:** Side View of Training Idler adjustment motion.  
**Below:** Aerial view of Training Idler adjustment motion.



VACUUM HOSES

BSR-LB801  
Abrasion Resistant Light Duty Suction Hose  
Applications: designed for suction and light blowing of lightweight abrasives such as rockwool, fiberglass, sawdust, grain, insulation and cement dust  
Construction: SBR rubber blended with static carbon black, rigid PVC helix, smooth bore, corrugated O.D.  
Temperature: -40 °F to 158 °F

I.D., Inches	2.5	3	4	5	6
O.D., Inches	2.91	3.44	4.53	5.63	6.87
PITCH, Inches	.56	.59	.65	.87	.87
MINIMUM BENDING RADIUS 72°F, Inches	2.5	3.0	4.0	5.0	9.0
WORKING PRESSURE 72°F, P.S.I.	18	13	10	8	8
VACUUM RATING 72°F, In. Hg	25.0	23.0	20.0	15.0	15.0
WEIGHT, Lbs./Ft.	.71	.92	1.50	1.68	2.40

BSR-RA801  
Heavy Duty Abrasive Resistant Suction Hose  
Applications: Designed for vacuum trucks or handling abrasives such as crushed rock, sand, pea gravel, cement, dry fertilizer, iron ore, and grains.  
Construction: SBR rubber blended with static carbon black, rigid PVC helix, smooth bore, corrugated O.D.  
Temperature: -40 °F to 158 °F

I.D., Inches	2	2.5	3	3.5	4	5	6	7	8
O.D., Inches	2.35	2.95	3.50	4.11	4.83	5.78	6.73	7.83	9.04
PITCH, Inches	.39	.56	.59	.64	.65	.87	.87	.87	.91
MINIMUM BENDING RADIUS 72°F, Inches	2.5	2.5	3.0	4.0	4.5	5.0	9.2	14.0	15.0
WORKING PRESSURE 72°F, P.S.I.	40	35	35	30	30	30	30	30	30
VACUUM RATING 72°F, In. Hg	29.8	29.8	29.8	29.8	29.8	28.0	28.0	27.0	27.0
WEIGHT, Lbs./Ft.	.50	.88	1.10	1.35	1.77	2.47	3.08	4.10	5.65

BSR-RH801  
High Temperature Resistant Suction Hose  
Applications: Heavy duty abrasive resistant suction hose where higher temperatures and abrasion are factors such as vacuum trucks or the handling of fly ash, crushed rock, sand, pea gravel, or cement powder.  
Construction: EPDM rubber, polyethylene helix, metal helical wire, smooth bore, corrugated O.D.  
Temperature: -40 °F to 220 °F

I.D., Inches	4	6	8
O.D., Inches	4.69	6.83	9.13
PITCH, Inches	.65	.87	.87
MINIMUM BENDING RADIUS 72°F, Inches	5.5	9.8	15.0
WORKING PRESSURE 72°F, P.S.I.	30	30	30
VACUUM RATING 72°F, In. Hg	29.8	28.0	27.0
WEIGHT, Lbs./Ft.	1.75	3.46	6.0

BSR-KL  
Heavy Duty Suction and Discharge Hose  
Applications: Heavy duty suction and discharge hose for use dewatering, rental construction industry and fish suction requiring higher working pressures.  
Construction: Flexible PVC, rigid PVC helix, synthetic braiding, smooth bore, corrugated O.D.  
Temperature Ranges: -13 °F to 140°F

I.D., Inches	1.5	2	3	4	5	6	8
O.D., Inches	2.03	2.60	3.70	4.78	6.04	7.17	9.34
PITCH, Inches	.37	.43	.59	.65	.87	.93	1.07
MINIMUM BENDING RADIUS 72°F, Inches	2.5	4.0	6.3	7.1	9.0	10.2	15.7
WORKING PRESSURE 72°F, P.S.I.	110	100	100	75	70	70	80
VACUUM RATING 72°F, In. Hg	29.8	28.0	28.0	28.0	28.0	28.0	28.0
WEIGHT, Lbs./Ft.	.47	.70	1.13	1.74	2.97	3.88	5.54

BSR-KL-UBU  
Heavy Duty Polyurethane with Static Wire  
Application: Transfer of abrasive material - bulk unloading of rail cars and trucks  
Construction: Flexible polyurethane tube, rigid PVC helix, synthetic braiding, smooth bore, copper static grounding wire.  
Temperature Ranges: -13 °F to 140 °F

I.D., Inches	4	5	6
O.D., Inches	4.78	6.04	7.17
MINIMUM BENDING RADIUS 72°F, Inches	7.5	9.5	11.0
WORKING PRESSURE 72°F, P.S.I.	75	70	70
VACUUM RATING 72°F, In. Hg	28	28	28
WEIGHT, Lbs./Ft.	1.94	3.20	4.34

Interlocking Metal Hose for High Temperature Applications  
Applications: Dust and fume removal, ducting for heaters, fly ash removal, protective shielding and armor, hot air blower/suction, gas and semi-solid transfer, and for bulk unloading and loading of grains, pellets and powders.

Vacuum Truck Port Hose  
Designed to meet O.E.M.'s specifications for serviceability  
Construction: 1/8" – 1/4" abrasion resistant NR/SBR tube  
Multi-plyes of high tensile square-woven polyester fabric. Dual high-tensile steel wire helix. Ozone and abrasion resistant SBR cover. Soft cuff ends.

VACUUM FITTINGS



Hose Coupling Assembly & Hose Ends

Assembly

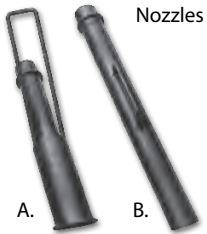
Includes Both Male And Female Fitting With Gasket And BL Clamp

Size	Part #
4" Assembly	BSR-4AB
6" Assembly	BSR-6AB
8" Assembly	BSR-8AB

Hose Ends

Individual Hose Ends As Needed

Size & Type	Part #
4" Male	BSR-4M
6" Male	BSR-6M
8" Male	BSR-8M
4" Female	BSR-4F
6" Female	BSR-6F
8" Female	BSR-8F



Nozzles

A. Production Nozzle	Part #
4" Aluminum	BSR-117 PA4
4" Steel	BSR-117 PS4
6" Aluminum	BSR-117 PA6
6" Steel	BSR-117 PS6

B. Bulk Nozzle	Part #
4" Aluminum	BSR-115 BA4
4" Steel	BSR-115 BS4
6" Aluminum	BSR-115 BA6
6" Steel	BSR-115 BS6



Elbows	Part #
4" - 45°	BSR-220-4
6" - 45°	BSR-220-6
8" - 45°	BSR-220-8
4" - 90°	BSR-200-4
6" - 90°	BSR-200-6
8" - 90°	BSR-200-8



Reducers	Part #
6" x 4"	BSR-300-64
8" x 6"	BSR-300-86



Y Adapter	Part #
6" x 4" x 4"	BSR-Y644
8" x 4" x 4"	BSR-Y844
8" x 6" x 6"	BSR-Y866

Relief Valve	Part #
4"	BSR-600-4
6"	BSR-600-6
6"	BSR-600-8



Aluminum	Part #
4" x 10'	BSR-104A
4" x 20'	BSR-204A
6" x 10'	BSR-106A
6" x 20'	BSR-206A
8" x 10'	BSR-108A
8" x 20'	BSR-208A

Steel	Part #
6" x 10'	BSR-106S
6" x 20'	BSR-206S
8" x 10'	BSR-108S
8" x 20'	BSR-208S



Hold Together Clamp - BSR-BL  
Galvanized steel clamp holds hose ends (fittings) male and female securely together.

Power Lock Clamp - BSR-PL  
Galvanized steel clamp to hold hose ends (fittings) to hose. Spiral design is made to fit into corrugations of BSR-RA, LB, RH and KL series hoses.



# CUSTOM MANUFACTURED HOSES

Bi-State Rubber welcomes the opportunity to assist you by providing custom designed and custom built industrial and commercial grade hoses that meet your specific needs. Whatever your unique hose requirements are, we can custom engineer an industrial hose for your application.



APPLICATIONS	CONSTRUCTION
Mining & Material Handling Hose	Hose I.D.s from 1/2-42" Many polymers to choose from including: Tan Gum Rubber, SBR, Neoprene, Nitrile, EPDM, Chlorobutyl, Hypalon®, Fluoro-elastomers (Viton®), and Teflon®
Dredge Hose	Lengths up to 50' for most hose
Melt Shop / Heat & Flame Resistant Fiberglass Covered Hose	Heat resistant coverings Nomex® Fiberglass Kevlar®
Food Grade- Food Handling Hose	Tube, cover and wall thickness per your requirements
High Pressure Air Transfer	Smooth or corrugated inside or out
Peristaltic Pump Hose Replacement	Non-conductive or conductive
Vacuum Loader Hose Leaf Collector Hose	Hoses reinforced with standard wire, stainless steel, static wire, plastic (non-conductive) wire, steel hoops
Large Diameter Hose Couplings, Elbows & End Constructions	
Acid or Chemical Transfer Hose	



# BOOTS + BELLOWS



Bi-State Rubber supplies many varieties of Boots and Bellows for various industries such as the power, cement, and foundries. We can custom make bellows from the information provided to us including everything from professional CAD drawings to hand sketches.

- Bi-State Rubber can fabricate bellows in a variety of materials, such as Neoprene, Silicone, SBR, Nitrile (oil resistant), Hypalon, EPDM (heat resistant), and Teflon. Materials could vary from fabric reinforcements to wire inserted for strength and support.
- If a quick changeout is needed, some bellows could be fabricated with a zipper for a quick and easy changeout.
- Flanged and soft cuff ends are the most popular styles; however, we can provide any type of ends per your requirements. Please visit our website for a downloadable worksheet.





## FLUE DUCT EXPANSION JOINTS



Bi-State Rubber offers a full line of Polymeric and Teflon expansion joints. We can supply the expansion joint material, accumulation pillows and new flanges. Expansion joints can be ship knocked down for field assembly or completely assembled.



Polymeric expansion joint material includes Viton, Chlorobutyl, and EPDM materials. Material can be rated up to 400 °F, offers excellent chemical resistance and is reinforced with fiberglass plies.



Teflon expansion joints offer excellent temperature and chemical resistance and are available with various constructions offering abrasion resistance and temperatures up to 1000 °F.

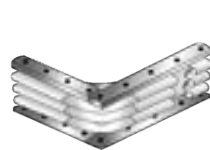


Composite expansion joints are used for high temperature applications up to 2000 °F. Can also be used for applications that have accumulation or abrasion problems.



Molded corner expansion joints are available in both Polymeric and Teflon expansion joints. Used primarily when space restrictions hamper the use of a flat belt radius corner design.

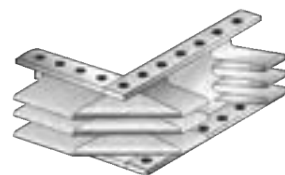
Bi-State Rubber offers metal expansion joints to be used in chemical and heat applications in the following designs:



Round Corner



Single Miter Corner



Double Miter Corner

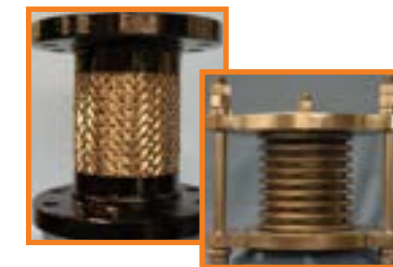


Camera Corner

## PIPE EXPANSION + CONNECTORS



Bi-State Rubber offers a full line of rubber and metal expansion joints and connectors to help control vibration or thermal movement.



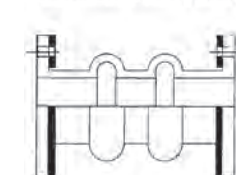
Metal expansion joints are available with many different end fitting configurations; including flanges, pipe thread and victaulic grooved weld-on ends. With movement capabilities of ½" up to 16" axial, pressure ratings up to 300 PSI and temperature capabilities of nearly 1500° F degrees F, there is a metal expansion joint to fit your application.



Pump connectors and pinch valve replacement sleeves are both available using numerous elastomers depending on the application. Pump connectors are designed to isolate noise and vibration. They are available in concentric and eccentric reducer and straight spool type. Bi- State Rubber can provide pinch valve sleeves for all major manufactures with ends that are flanged, beaded, or slip-on style. Additional sleeve options include double wall thickness, reduced port, positive opening tabs and Teflon liner.

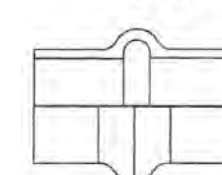


BSR-SJ SPOOL TYPE (2 ARCH)



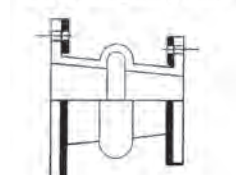
1/4" THRU 144"

BSR-OJ SLIP ON



1/4" THRU 24"

BSR-CJ CONCENTRIC (1 ARCH)



SIZED TO APPLICATION

BSR-EJ ECCENTRIC (1 ARCH)



SIZED TO APPLICATION

The industry standard spool type expansion joint is available with 0 to 4 arches depending on movement requirements and can be adapted to the most unusual or difficult applications. Available options include filled arches for abrasive applications, Teflon liners for severe chemical applications, soft cuff ends for slip-on installation, and concentric and eccentric tapered joints for connecting different pipe sizes. Control units shown are used to limit the amount and direction of movement to within the design limits of the flexible connection.



## AIRSLIDE FABRIC + WIRE MESH



Bi-State Rubber offers a full line of fabrics for airslide, live bottom silos, and aeration pads. In addition to various fabrics, Bi-State Rubber can be of help for wire mesh products, which are sometimes used on top of the fabrics to ease impact or under the fabrics for support.



### PL-TT-5 Needled Polyester Airslide Fabric

- Consistent air permeability
- Superior abrasion resistance
- Strongest scrim ply in the industry. Will not stretch or tear
- Easy to install. No stretching or heat sealing required
- Rot and mildew resistant



### Woven Polyester Airslide Fabric

FLUITEX® E impresses with a long service life; the extremely smooth surface offers effective protection against wear. The weaving technology provides even air resistance across the whole fabric surface and prevents caking. The fabrics feature a strong self-cleaning effect for the pores and surface.

FLUITEX® AD is the ideal fluidizing fabric for work processes at high temperatures. The extremely heat-resistant fabric is made from para-aramid fibers and easily withstands temperatures up to 482 °F.



We offer a complete range of wire mesh and screen size openings, wire diameter, metal and weave types enabling us to provide you with the correct product for your application. Along with our extensive inventory, we are capable of custom building to your exact specifications.

Available in following materials:

- Superloy – High Carbon Steel
- Ludloy – Oil Tempered. Provides superior abrasion resistance and good fatigue resistance.
- Astroloy - Stainless Steel. This metal excels when used in applications where the material is extremely abrasive and chemically corrosive.

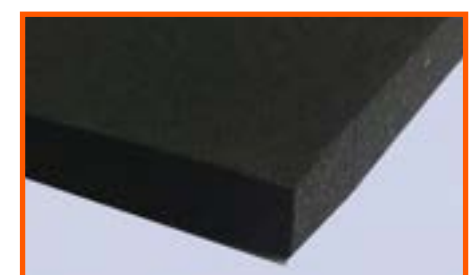
## MISCELLANEOUS PRODUCTS



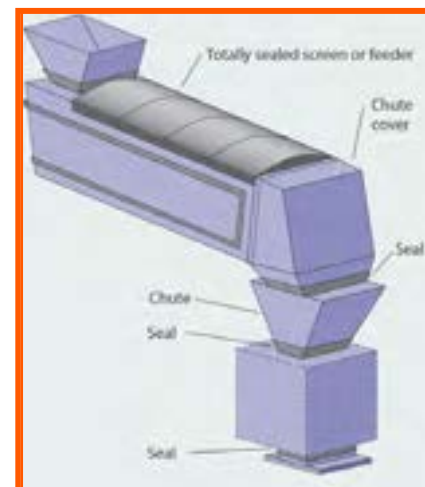
**CHANNEL RUBBER**  
OTHER EXTRUDED PRODUCTS



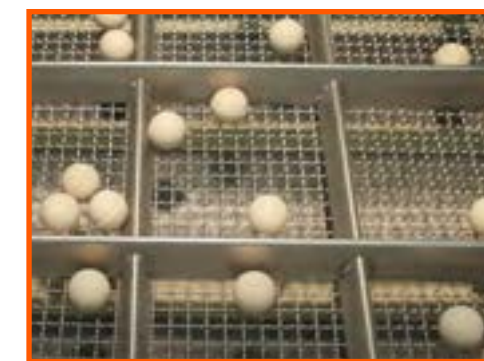
**RUBBER CUT GASKET PARTS**



**SPONGE RUBBER**



**TRELLEX DUST SEAL RUBBER**



**RUBBER SCREENING BALLS**



**FURNACE DOOR SEALS**



**SHEET RUBBER** (available in many compounds and thicknesses)



**CUSTOM MOLDED RUBBER AND URETHANE PARTS**

**FIND OUT MORE ABOUT OUR GREAT PRODUCTS!**





Items offered to you by Bi-State Rubber.  
Highlighted items are fabricated by Bi-State Rubber.

#### I. BELTING

- ✓ A. Flexowell Incline Pocket Belts
- ✓ B. Weigh Feeder Belts
  - ✓ 1. Vulcanized Endless
  - ✓ 2. Mechanical Fastner
    - ✓ a. Rubber Covered
    - ✓ b. Conventional Splice
- ✓ C. Corrugated Sidewall Belts
- ✓ D. Eddy Current Belts
- ✓ E. Filter Belts
- ✓ F. Sampling Belts
- ✓ G. Conveyor Belting
- ✓ H. Elevator Belting
- ✓ I. Custom Cleated Belts
  - ✓ 1. Magnetic Separator Belts
  - ✓ 2. Tumble Belts/Mill Aprons
  - ✓ 3. Trencher Belting

#### II. BELTING HARDWARE & ACCESSORIES

- A. Flexco Fasteners
- B. Minet Super-Screw
- C. Pulley Lagging
- D. Pulleys
- E. Conveyor System Idlers
- F. Skirtboard & Track Mount Skirting
- G. Conveyor Belt Cleaning Systems
- H. Replacement Urethane Blades
- I. Conveyor System Covers
- J. Elevator Buckets & Bolts

#### III. SPOOL STYLE EXPANSION JOINTS

- A. Flanged Style
- B. Arch & Multiple Arch
- C. Tapered Eccentric, Concentric
- D. Slip Over Type
- E. Filled Arch & Open Arch
- F. Control Rods



#### IV. FLUE DUCT STYLE EXPANSION JOINTS

- ✓ A. Polymer Types (Viton, Florel, E.P.D.M. Neoprene)
- ✓ B. Fluoroplastic Types (Teflon, TFE)
- ✓ C. Composites (Hi-Temp)
- ✓ D. Insulation Pillows/Accumulation Barriers
- E. Metal Work (Baffles, Flanges, Back-Up Bars, Replacement Duct Work)

#### V. RUBBER PRODUCTS & URETHANE

- A. Sponge Rubber
- B. Sheet Rubber
- C. PSA Backed Rubber
- D. Rubber Matting
- E. Chute Lining
- F. Urethane Sheets
- G. Urethane Rollers
- H. Molded Rubber and Urethane Parts

#### VI. HOSE PRODUCTS & ACCESSORIES

- A. Vacuum hose
- B. Vacuum Truck Fittings, Nozzles & Accessories
- C. Material Handling Hose
- D. Flexible S.S. Hose & Fittings
- E. Steel & Aluminum Tubing
- F. Dredge Sleeves
- G. Pinch Valves
- H. Flexible Ducting
- I. Dust Hose
- J. Hose Couplings

#### VII. MISCELLANEOUS

- A. Variety of Bellow Products
- B. Silicone & Viton Rubber
- ✓ C. Tanker Truck Air Pads
- D. Air Slide Belt
- E. Specialty Rollers
- F. Belt Clamps
- G. Hi-Temp Insulating and Protective Covers & Guards
- ✓ H. Hi-Temp Gaskets & Seals

REVISION 2022 CATALOG VERSION

