

**POWERING INDUSTRIES WITH STRENGTH & ENDURANCE** 



Mfrs. & Exporters: CONVEYER BELTS, BELTINGS, RUBBER SHEETS



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### **ABOUT US**

Founded in 1969 by Mr. J.P. Bhandari, Boston Rubbers carries a legacy of excellence in conveyor belt manufacturing. From its early beginnings in transmission belting sales to establishing Bhandari Rubber Mills in 1988, the company has continuously evolved, delivering high-performance conveyor solutions for industries across India.

With over 50 years of expertise, Boston Rubbers is a trusted industry partner, specializing in durable, precision-engineered conveyor belts for sectors like mining, steel, food processing, and logistics. Our commitment to quality, innovation, and customer satisfaction drives us forward, ensuring seamless industrial operations.

We adhere to strict industry certifications, reflecting our dedication to global standards, reliability, and long-lasting performance. Built on integrity, trust, and innovation, our vision is to become India's most trusted conveyor belt manufacturer, powering industries with efficiency and durability





# VISION AND MISSION

- Vision To be a trusted leader in conveyor belt manufacturing, delivering efficient, durable, and innovative solutions.
- Mission Engineer high-quality conveyor belts with precision, rigorous quality control, and a customer-first approach.
- Values Integrity, reliability, and innovation, ensuring global standards and long-lasting performance.
- Commitment Over five decades of excellence, strong partnerships, and continuous innovation in industrial solutions.





## CERTIFICATIONS

Boston Rubbers upholds strict global quality standards to ensure precision, durability, and safety in every conveyor belt.

- ISO 9001 Quality Management System
- ISO 14001 Environmental Compliance
- ISO 45001 Workplace Safety Standards
- CEMA Certified Conveyor Equipment Standards
- REACH Compliant Safe Material Use





## **PRODUCTS**

#### 1. Textile-Embedded Conveyor Belts

Designed for versatile industrial applications, reinforced with fabric layers for strength and durability.

#### 2. Heat-Resistant & Fire-Resistant Conveyor Belts

Specialized belts built to withstand extreme temperatures and fire hazards in heavy-duty industries.

#### 3. Food Grade / Hygienic Conveyor Belts

Manufactured with FDA-approved materials, ensuring safety and hygiene in food and pharmaceutical handling.

#### 4. Rough Top Conveyor Belts

Textured belts providing superior grip for transporting packages, cartons, and fragile materials.

#### 5. Chevron Conveyor Belts

Raised cleats enhance traction and prevent material slippage on steep inclines.

#### 6. Diamond Groove Conveyor Belts

Diamond-patterned surface for optimal grip in wet, slippery, and demanding environments.

#### 7. Rubber Sheets

High-quality rubber sheets for sealing, insulation, flooring, and industrial protection applications.

#### 8. Transmission Belts

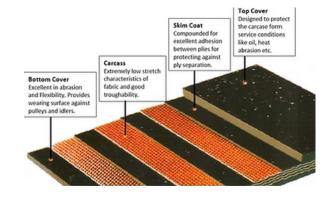
Power transmission belts designed for efficient energy transfer in machinery and automotive systems.



# TEXTILE-EMBEDDED CONVEYOR BELTS (GENERAL PURPOSE CONVEYOR BELTS)

Textile-embedded conveyor belts are designed for versatile material handling, offering high strength, flexibility, and durability. Reinforced with premium fabric layers, these belts ensure superior performance in industrial settings, efficiently transporting bulk materials such as minerals, coal, grains, and manufactured goods across multiple industries.











# TEXTILE-EMBEDDED CONVEYOR BELTS (GENERAL PURPOSE CONVEYOR BELTS)

Specification	Available Range
Belt Width	Up to 1600 MM
Belt Length	Up to 300 Meters
Joint Type	Open or Endless
Edge Finish	Cut, Moulded, or Locked
Reinforcement Layers	2 to 7 Ply (Polyester/Nylon-EP, Nylon/Nylon-NN, Cotton/Nylon/EE, Steel Breaker Top Layer)
Top Cover Thickness	Customized as per client requirements
Material Grades	M-24, N-17, HRT-1, HRT-2, HRT-3, UHR, SAR, OR, FR
Surface Profile	Rough Top, V Cleat, U Cleats, Y Cleat, H-75 Cleat, Multi V, Pulley Lagging
Compliance Standard	As per IS 1891(P) I-V



# TEXTILE-EMBEDDED CONVEYOR BELTS (GENERAL PURPOSE CONVEYOR BELTS)

#### **Key Features of Textile-Embedded Conveyor Belts**

- High Strength & Flexibility Multi-ply reinforcement ensures longlasting durability.
- **Superior Wear & Tear Resistance** Designed to withstand heavyduty applications.
- Customizable Specifications Tailored sizes, materials, and coatings for specific industry needs.

#### **Industries Using Textile-Embedded Conveyor Belts**

- Mining & Quarrying Efficient transport of bulk minerals and aggregates.
- Steel & Cement Industry Facilitates movement of raw materials and finished products.
- Logistics & Warehousing Used in distribution centers for seamless operations.
- Automotive & Manufacturing Plants Supports conveyor systems in assembly lines.



#### HEAT-RESISTANT & FIRE-RESISTANT CONVEYOR BELTS

Heat-Resistant and Fire-Resistant Conveyor Belts are designed to withstand extreme temperatures while ensuring safety and durability in industrial applications. Heat-resistant belts protect against thermal damage and prevent surface cracking, while fire-resistant belts incorporate flame-retardant materials to minimize fire hazards. These belts are crucial for industries requiring high-temperature endurance and fire prevention.

#### **Types include:**

Heat-Resistant Conveyor Belts –
 Maintain flexibility under heat exposure and resist surface hardening.



 Fire-Resistant Conveyor Belts – Flameretardant, self-extinguishing, and designed for hazardous environments.

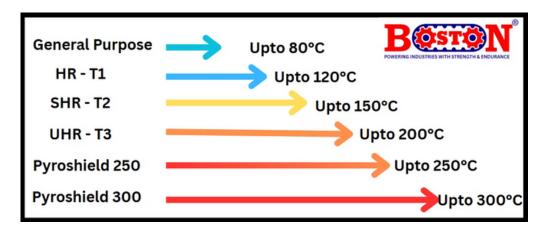




# HEAT-RESISTANT CONVEYOR BELTS

Heat-resistant conveyor belts are built with reinforced layers and specially formulated rubber compounds to withstand prolonged exposure to high temperatures without losing flexibility

Parameter	Value
Temperature Resistance	Up to 200°C (Continuous) / 250°C (Short-term)
Base Material	EP/Nylon/Nylon, Kevlar, PTFE/EE
Cover Compound	Heat-Resistant Rubber, Silicone
Belt Thickness	6 - 20 MM
Tensile Strength	250 - 1000 N/mm
Elongation	15-50%
Abrasion Resistance	High, prevents cracking & hardening
Belt Types	hrt-1, hrt-2, hrt-3, uhr, sar, or





# FIRE-RESISTANT CONVEYOR BELTS

Fire-resistant conveyor belts incorporate flame-retardant compounds to prevent fire propagation, ensuring safety in hazardous environments prone to combustion risks. These belts comply with international fire safety standards and are widely used in industries requiring stringent fire prevention measures.

Parameter	Value
Base Material	EP/Nylon/Nylon, Kevlar, PVC, Rubber/EE
Cover Compound	Flame-Retardant Rubber, Anti-static
Belt Thickness	5 - 18 MM
Tensile Strength	200 - 900 N/mm
Surface Conductivity	Anti-static for spark prevention
Smoke Emission	Low-smoke, non-toxic formulation





#### HEAT-RESISTANT & FIRE-RESISTANT CONVEYOR BELTS

#### **Key Features of Heat-Resistant & Fire-Resistant Conveyor Belts**

- **High Thermal Resistance** Maintains structure under high temperatures.
- Flame-Retardant & Self-Extinguishing Minimizes fire risks.
- **Prevents Surface Hardening & Cracking** Enhanced durability for prolonged use.
- Anti-Static Properties Reduces spark formation for safety.
- Low-Smoke & Non-Toxic Formulation Complies with fire safety standards.

#### **Industries Using Heat-Resistant & Fire-Resistant Conveyor Belts:**

- Underground Mining & Tunneling Essential for safety in coal mines.
- Chemical Plants & Refineries Prevents fire risks in volatile environments.
- Power Plants Used for safe coal transportation.
- Wood & Paper Processing Reduces fire hazards in material movement lines.



# FOOD GRADE CONVEYOR BELTS / HYGIENIC BELTS

Food-grade conveyor belts are engineered for hygiene and safety, designed for direct contact with food products while maintaining durability and efficiency. Manufactured using non-toxic, FDA-approved materials, these belts ensure contamination-free transport, making them ideal for food processing, handling, and packaging applications.

Their smooth, non-porous surface prevents bacterial growth, ensuring compliance with strict hygiene standards for sensitive environments like pharmaceutical plants and cleanrooms.











# FOOD GRADE CONVEYOR BELTS / HYGIENIC BELTS

Parameter	Value
Material	Rubber
Compliance	FDA, MACCP STANDARDS
Width Range	Up to 1200 MM
Ply Range	1 - 7 Ply
Temperature Resistance	-30°C to 120°C
Surface Finish	Smooth, Textured, Anti-microbial
Color Options	White
Chemical Resistance	Resistant to oils, fats, acids





# FOOD GRADE CONVEYOR BELTS / HYGIENIC BELTS

#### **Key Features of Food Grade Conveyor Belts**

- Non-Toxic & Safe for Direct Contact Meets FDA, EU, and HACCP standards for hygiene.
- **High Durability & Resistance** Withstands extreme temperatures, oils, and cleaning chemicals.
- Anti-Microbial & Easy to Clean Prevents bacterial buildup for maximum food safety.

#### **Industries Using Food Grade Conveyor Belts**

- Food Processing & Manufacturing Used in bakeries, meat processing, seafood handling, and dairy plants.
- **Pharmaceutical & Cleanrooms** Ensures contamination-free transport in medical-grade environments.
- Confectionery & Dairy Industry Suitable for chocolates, sweets, cheese, and other dairy products.
- Agriculture & Fruit Packing Efficient for sorting, grading, and packaging fresh produce.

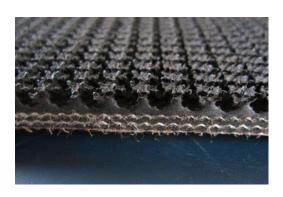


#### **ROUGH TOP CONVEYOR BELTS**

Rough Top Conveyor Belts are designed for efficient material handling with a textured surface that enhances grip, prevents slippage, and absorbs impact. These belts ensure smooth transport of lightweight, fragile, and bulk materials across horizontal and inclined conveyors.











#### **ROUGH TOP CONVEYOR BELTS**

Parameter	Value
Top Surface	Textured/Rough Profile
Base Material	Nylon/Nylon Fabric/EE
Belt Thickness	5 - 16 mm
Width Range	300 - 1200 MM
Grip Height	2 - 5 MM
Cover Grade	M-24, N-17, OR, FR
Tensile Strength	250-600 N/mm





#### **ROUGH TOP CONVEYOR BELTS**

#### **Key Features of Rough Top Conveyor Belts**

- **Superior Grip & Traction** Prevents material rollback and ensures control on steep inclines.
- Impact Absorption Cushions goods to minimize damage to fragile materials.
- **Durability & Strength** Built for industrial use with minimal wear and tear.

#### **Industries Using Rough Top Conveyor Belts**

- Textile Industry Helps transport fabrics securely without slippage.
- Logistics & Warehousing Ideal for handling packaged and fragile goods.
- Airport & Baggage Handling Ensures stable luggage movement on inclined belts.



#### **CHEVRON CONVEYOR BELTS**

Chevron Conveyor Belts are designed with raised cleats to enhance grip and ensure efficient material transport on steep inclines. They minimize slippage and increase operational efficiency in industries like mining, agriculture, construction, and recycling.

#### **Available in various types:**

 C15 Chevron Belt (V-Shaped Cleat) – Ideal for medium incline applications, transporting sand, gravel, and bulk materials.



 C22 Chevron Belt (U-Shaped Cleat) – Provides enhanced grip for slightly steeper inclines and better load stability.



C30 Chevron Belt (Y-Shaped Cleat) –
Optimized for heavy loads and steeper angles,
used in industrial applications.



#### **CHEVRON CONVEYOR BELTS**



#### **Available in various types:**

C15 Chevron Belt (V-Shaped Cleat)
 Ideal for medium incline
 applications, transporting sand,
 gravel, and bulk materials.

Parameter	Value
Profile	V-Shaped Cleat
Cleat Cross Section	45° Inclined
Width Range	500 - 1000 MM
Cleat Height	15 MM
Cleat Width	200 - 500 MM
Pitch	250 - 400 MM
Material	EP/Nylon/Nylon Fabric/EE
Cover Grade	M-24, N-17
Industry	Sand & Gravel, Agriculture, Packaging

C22 Chevron Belt (U-Shaped Cleat) Provides enhanced grip for slightly steeper inclines and better load stability.

Parameter	Value
Profile	U-Shaped Cleat
Cleat Cross Section	Curved Profile
Width Range	500 - 1000 MM
Cleat Height	22 MM
Cleat Width	220 - 550 MM
Pitch	280 - 450 MM
Material	EP/Nylon/Nylon Fabric/EE
Cover Grade	M-24, N-17
Industry	Coal, Recycling, Grain Transportation

C30 Chevron Belt (Y-Shaped Cleat)
 Optimized for heavy loads and steeper angles, used in industrial applications.

Parameter	Value
Profile	Y-Shaped Cleat
Cleat Cross Section	Split Ridge
Width Range	600 - 1000 MM
Cleat Height	30 MM
Cleat Width	300 - 700 MM
Pitch	320 - 600 MM
Material	EP/Nylon/Nylon Fabric/EE
Cover Grade	N-17, SAR
Industry	Mining, Heavy Industry, Cement Manufacturing



#### **CHEVRON CONVEYOR BELTS**

#### **Key Features of Chevron Conveyor Belts**

- Superior Grip on Inclines Raised cleats prevent material slippage.
- Enhanced Load Stability Designed for bulk material handling.
- **Durability & Wear Resistance** High-strength rubber compounds ensure longevity.

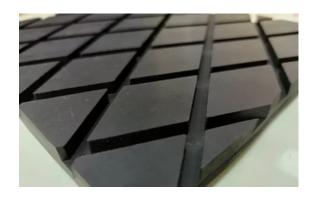
#### **Industries Using Chevron Conveyor Belts**

- Mining & Quarrying Efficient transport of bulk minerals, aggregates, and coal.
- Agriculture & Food Processing Used for conveying grains, fertilizers, and packaged goods.
- Construction & Recycling Ideal for moving sand, gravel, and debris in demanding environments.



#### **DIAMOND GROOVE CONVEYOR BELTS**

Rough Top Conveyor Belts are designed for efficient material handling with a textured surface that enhances grip, prevents slippage, and absorbs impact. These belts ensure smooth transport of lightweight, fragile, and bulk materials across horizontal and inclined conveyors.











#### **DIAMOND GROOVE CONVEYOR BELTS**

Parameter	Value
Surface Pattern	Diamond-Shaped Grooves
Base Material	EP/Nylon/Nylon, Rubber/EE
Width Range	400 - 1200 MM
Belt Thickness	8 - 15 MM
Groove Depth	1.5 - 5 MM
Cover Grade	M-24, N-17, HRT, SAR, FR
Tensile Strength	250-800 N/mm
Temperature Resistance	-30°C to 120°C
Chemical Resistance	Resistant to oils, water, and mild acids





#### **DIAMOND GROOVE CONVEYOR BELTS**

#### **Key Features of Diamond Groove Conveyor Belts**

- Superior Traction & Anti-Slip Design Diamond-shaped grooves enhance grip on wet and slippery surfaces.
- **Effective Water & Oil Drainage** Reduces material buildup, ensuring clean operation.
- **High Wear Resistance & Durability –** Built for tough industrial environments requiring long-term reliability.
- **Temperature Resistance** Can withstand extreme temperatures from -30°C to 120°C.
- Chemical Resistance Resistant to oils, water, and mild acids.

#### **Industries Using Diamond Groove Conveyor Belts**

- **Mining & Quarrying** Provides excellent grip for transporting minerals and aggregates.
- Automotive & Rubber Industry Used in tire manufacturing and rubber processing plants.
- Steel & Metal Processing Ensures slip-resistant material movement in heavy-duty operations.



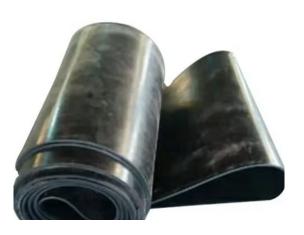
#### **RUBBER SHEETS**

Rubber Sheets are versatile materials made from natural and synthetic rubber compounds, offering excellent durability, flexibility, and resistance to chemicals and extreme temperatures. They are used across various industries for insulation, sealing, flooring, and protection in demanding environments.











#### **RUBBER SHEETS**

Parameter	Value
Material	Natural Rubber, NBR, EPDM, Neoprene, Silicone
Width	100 - 1500 MM
Thickness	1.5 - 16 MM
Hardness	40-80 Shore A
Temperature Resistance	-40°C to 200°C
Surface Finish	Smooth, Textured
Tensile Strength	5-20 MPa
Elongation	200-600%
Chemical Resistance	Resistant to oils, acids, alkalis





#### **RUBBER SHEETS**

#### **Key Features of Rubber Sheets**

- High Durability & Flexibility Ideal for heavy-duty industrial applications.
- Chemical & Heat Resistance Protects against oils, acids, alkalis, and temperatures from -40°C to 200°C.
- **Customizable Options** Available in various thicknesses and surface finishes for specific needs.

#### **Industries Using Rubber Sheets**

- Construction & Infrastructure Used in flooring, insulation, and waterproofing.
- **Electrical & Electronics** Provides insulation for wiring and electrical components.
- Marine & Aerospace Essential for sealing, cushioning, and noise reduction systems.



#### TRANSMISSION BELTS

Transmission belts efficiently transfer mechanical power between rotating shafts, ensuring smooth and reliable operation in various industries. Made from high-strength materials, they offer durability, flexibility, and wear resistance, making them ideal for industrial machines, automotive systems, and agricultural equipment.











#### **TRANSMISSION BELTS**

Parameter	Value
Material	Rubber, Nylon, Cotton Fabric
Belt Type	Flat
Width	25 - 1200 MM
Length	100 M - 300 M
Thickness	3.5 - 12 MM
Tensile Strength	100 - 800 N/mm
Temperature Resistance	-30°C to 120°C





#### TRANSMISSION BELTS

#### **Key Features of Transmission Belts**

- **High Efficiency Power Transfer** Reduces energy loss for seamless operation.
- Durable & Wear-Resistant Built for heavy-duty industrial use.
- Flexible & Customizable Designs Available in various sizes and materials for industry-specific needs.
- **Temperature Resistance** Operates in extreme conditions from -30°C to 120°C.
- **Surface Finish Options** Smooth, textured, and anti-static variants for different applications.

#### **Industries Using Transmission Belts**

- Textile Industry Drives spinning machines and weaving equipment.
- Automotive & Vehicle Systems Used in engines and machinery for smooth power transmission.
- Steel & Heavy Machinery Essential for power-driven systems in metal processing.



## OUR SERVICES

At Boston Rubbers, we provide high-quality conveyor belt solutions designed for efficiency and durability.

- Conveyor Belt Manufacturing High-performance industrial belts built for tough conditions.
- Custom Belt Solutions Tailor-made designs for specific industry needs.
- **Technical Consultation & Support** Expert guidance to optimize belt selection and performance.
- Installation & Maintenance Professional setup and maintenance to enhance longevity.





# MANUFACTURING PROCESS

At Boston Rubbers, we use high-quality raw materials and advanced technology to ensure seamless production and superior durability.

- Precision Engineering Cutting-edge techniques for reliable performance.
- Quality Inspections Strict testing to meet industry standards.
- Customization Tailored solutions for specific client needs.
- Efficiency & Innovation Optimized processes for consistency and durability.

# TESTING OF RAW MATERIALS BATCH WEIGHMENT MIXING OF SKIM & COVER COMPOUND TESTING OF COMPOUNDS SKIM COATING OF FABRICS & SHEETING OF COVERS ON CALENDAR MACHINE BELT ASSEMBLY VULCANISING OF BELT IN HYDRAULIC PRESS BELT FINISHING EDGES CUTTING INSPECTION & TESTING PACKING, MARKING & DESPATCH



# TESTING STANDARDS

At Boston Rubbers, we follow rigorous testing protocols to guarantee durability, efficiency, and safety in every conveyor belt.

- Tensile Strength Testing Evaluates belt resistance under extreme tension.
- Wear & Abrasion Testing Assesses longevity under industrial conditions.
- Heat Tolerance Testing Ensures performance in high-temperature environments.
- Material Composition Analysis Advanced lab testing for structural integrity.
- Strict Quality Control Comprehensive checks for optimal reliability.

For conveyor rubber belt testing, we use **Universal Testing Machines** and **Ultrasonic Thickness Gauges** to measure strength, wear resistance, and material integrity.





## OUR CLIENTS

Boston Rubbers supplies high-performance conveyor belts to industries where efficiency and durability are critical for seamless operations.

- Food Processing Ensuring hygienic and efficient material handling.
- Power & Energy Sector Supporting coal, biomass, and energy production.
- Automotive & Assembly Lines Enhancing automation in manufacturing.
- Recycling & Waste Management Facilitating eco-friendly material sorting.
- Agriculture & Fertilizers Streamlining bulk material movement.
- Steel & Cement Handling heavy-duty raw materials.
- Mining & Quarrying Ensuring durability in extreme conditions.
- Logistics & Warehousing Optimizing packaging and distribution.









# INDUSTRIES WE SERVE

Power Plants & Energy Sector



Automative & Assembly Lines



Recycle & Waste Management



Mining & Quarrying



Food Processing



Agriculture & Fertiliser Industry



Steel & Cement



Logistics & Warehousing







#### What does Boston Rubbers specialize in?

Manufacturing high-quality conveyor belts and rubber solutions for industries like mining, steel, cement, food processing, and logistics.

#### Are your conveyor belts compliant with industry standards?

Yes, our belts meet IS 1891(P) I-V and international quality regulations for durability and efficiency.

#### How do I maintain conveyor belts for long-term efficiency?

Regular inspection, tensioning, cleaning, and timely replacement prevent downtime and extend belt life.

#### What types of conveyor belts do you offer?

Textile-embedded, chevron, food-grade, heat-resistant, fire-resistant, rough-top, and transmission belts.

#### Do you offer customized conveyor belts?

Yes! Tailored dimensions, ply layers, cover thickness, and reinforcement materials for optimal efficiency.

#### Do you provide bulk orders and supply internationally?

Absolutely! We support bulk orders and global exports while maintaining strict product standards.

#### How do I choose the right conveyor belt for my industry?

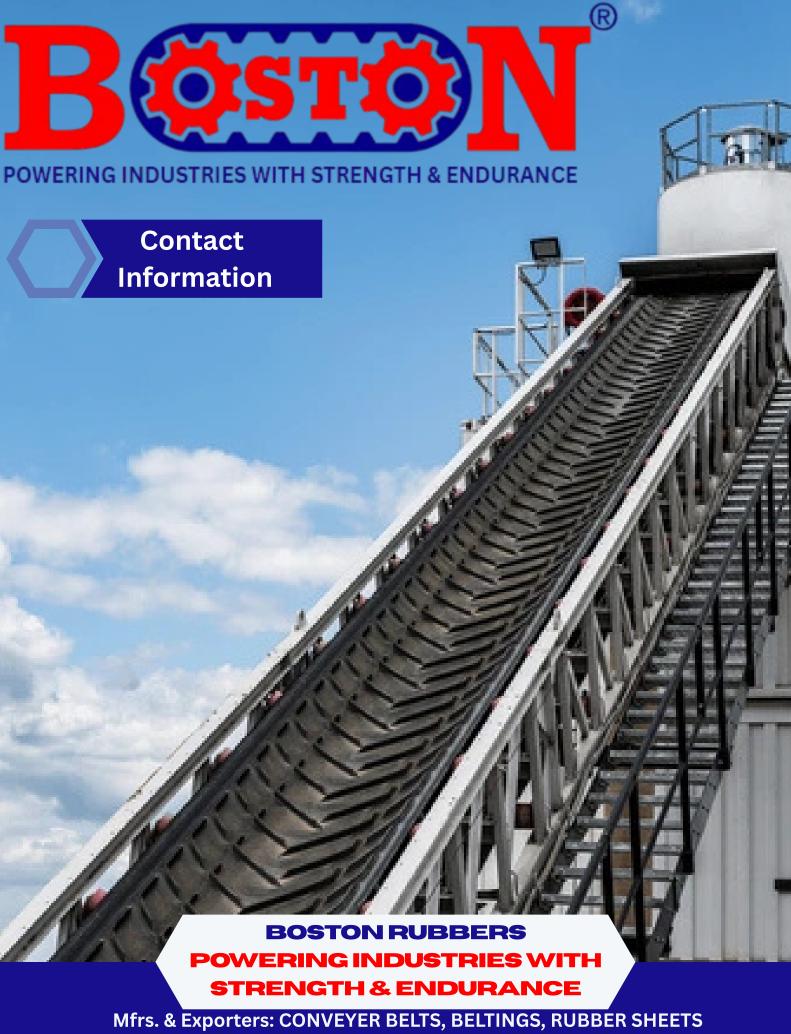
Depends on material type, load capacity, incline angle, and durability needs—our experts can guide you.

#### What industries commonly use your products?

Mining, steel, cement, agriculture, logistics, recycling, packaging, and power plants.

#### How can I get a quote or inquire about a specific belt?

Contact us via website, phone, or email with specifications, and our team will assist with pricing.





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