



SHANDONG SHENGRUN RUBBER CO.,LTD.

SHENGRUNCONVEYORBELT.COM



# About us

**SR Belting** has more than 20 years of experience in producing conveyor belt. Our products apply to many different industries as mining, coal, ports, metallurgy, cement, foods & drinks, transportation and hoisting of materials.

Our company enthusiastically pays attention to introduce advanced equipment and learn innovative technology. We always give priority to invest in technology research and development. We have a specialized rubber material laboratory where we utilize for material testing, prescription testing, mixed refining of rubbers and finished products testing. The objective is to ensure that our every conveyor belt consistently performs exactly as it is guaranteed to do.

Our company always strives to assure the safety of conveyor belt to meet and exceed beyond the national standards and customers satisfactions with our products. In additions, we also manufacture conveyor belts based on customers' requirements as Global ISO, German DIN, SANS and American RMA.



Sinoma 中国中材



首钢集团  
SHOUGANG GROUP



中国华能集团公司  
CHINA HUANENG GROUP





**DIN 22102**

| Standards<br>DIN 22102 | COVER RUBBER     |                     |                 | ADHESION       |                |            |
|------------------------|------------------|---------------------|-----------------|----------------|----------------|------------|
|                        | Tensile Strength | Elongation at break | Abrasion        | Cover to Ply   | Cover to Ply   | Ply to Ply |
|                        | Mpa              | %                   | mm <sup>3</sup> | N/mm ( ≤1.5mm) | N/mm ( >1.5mm) | N/mm       |
| DIN 22102 - Z          | 15               | 350                 | 250             | 3.5            | 4.5            | 5          |
| DIN 22102 - W          | 18               | 400                 | 90              | 3.5            | 4.5            | 5          |
| DIN 22102 - Y          | 20               | 400                 | 150             | 3.5            | 4.5            | 5          |
| DIN 22102 - X          | 25               | 450                 | 120             | 3.5            | 4.5            | 5          |

**AS 1332**

| Standards<br>AS 1332 | COVER RUBBER     |                     |                 | ADHESION       |                |            |
|----------------------|------------------|---------------------|-----------------|----------------|----------------|------------|
|                      | Tensile Strength | Elongation at break | Abrasion        | Cover to Ply   | Cover to Ply   | Ply to Ply |
|                      | Mpa              | %                   | mm <sup>3</sup> | N/mm ( ≤1.9mm) | N/mm ( >1.9mm) | N/mm       |
| AS 1332 - N17        | 17               | 400                 | 200             | 4              | 4.8            | 6          |
| AS 1332 - M24        | 24               | 450                 | 125             | 4              | 4.8            | 6          |

**RMA**

| Standards<br>RMA | COVER RUBBER     |                     |                 | ADHESION       |                |            |
|------------------|------------------|---------------------|-----------------|----------------|----------------|------------|
|                  | Tensile Strength | Elongation at break | Abrasion        | Cover to Ply   | Cover to Ply   | Ply to Ply |
|                  | Mpa              | %                   | mm <sup>3</sup> | N/mm ( ≤1.6mm) | N/mm ( >1.6mm) | N/mm       |
| RMA-I            | 17               | 400                 | 200             | 3              | 4.4            | 4          |
| RMA-II           | 14               | 400                 | 250             | 3              | 4.4            | 4          |

**SANS 1173**

| Standards<br>SANS 1173 | COVER RUBBER     |                     |                 | ADHESION     |              |            |
|------------------------|------------------|---------------------|-----------------|--------------|--------------|------------|
|                        | Tensile Strength | Elongation at break | Abrasion        | Cover to Ply | Cover to Ply | Ply to Ply |
|                        | Mpa              | %                   | mm <sup>3</sup> | N/mm         | N/mm         | N/mm       |
| A                      | 18               | 400                 | 70              | 5            | 5            | 7          |
| C                      | 20               | 400                 | 150             | 5            | 5            | 7          |
| M                      | 25               | 450                 | 120             | 5            | 5            | 7          |
| N                      | 17               | 400                 | 150             | 5            | 5            | 7          |





# Multi-Ply fabric conveyor belt

## Belt Application

Mainly applicable for material handling in bulk transfer station, quarry, sand factory, port and steel mill.

## Classification

### - EP /DSEP conveyor belt

High modulus, low elongation, heat resistant, impact proof, heavy loading capacity suitable for long distance conveyor system at high speed. EP or DSEP carcass, DSEP has better stability under high temperature.

### - NN conveyor belt

Good elasticity, high strength, good flexibility and trough ability, more loading capacity for medium and long distance conveyor at speed.

### - Aramid conveyor belt

Lighter in weight, higher tensile strength, lower elongation, better flexibility, heat resistant and corrosion resistant is suitable for long distance, heavy loading conveyor at higher speed.

## Specifications

NN100 ~ NN600; EP100~EP600; AR1000 ~ AR3150

Varied cover types and thickness are available for different application.





# Steel cord conveyor belt

## Belt Application

Mainly applicable for material handling in bulk transfer station, quarry, mining, cement, power plants, ports and steel plants, long distance transportation, high lift, tunnel transportation etc.

## Advantages

High tensile strength, longer service life, low elongation, high impact resistance and tear resistance.

## Classification

### - Open structure type

Zinc galvanized open type steel cord, each strand fully bonded into the core rubber that strengthens the bonding between rubber and steel cord and ensures longer service life.

### - With transverse reinforcement type

Transverse reinforced construction on the top of one or two sides of the longitudinal steel cord that ensures great performance of impact resistance and excellent tear resistance.

## Specifications

Tensile strength 630 ~ 7500N/mm; Width: 300 ~ 2500mm







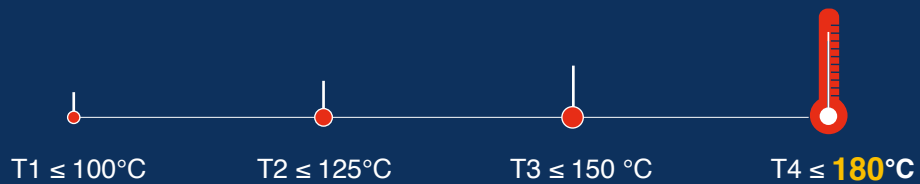
# Heat Resistant conveyor belt







### Working Temperature Range



### Market

coal mine, electric power plant, steel ,chemistry , metallurgy etc.

### Features & Aadvantages

- Excellent function of high temperature resistance, heat aging resistance, and ozone aging resistance prevent the cracking caused by early aging.
- Excellent weather resistance under nature conditions of sunlight, wetness and cold. When he belt is exposed to the sunlight for three years, no cracking appears.
- Excellent chemical resistance, excellent performance when dipping in the fluid of temperature 100 degree either 50% NaOH or 10% H<sub>2</sub>SO<sub>4</sub>
- Special rubber compound can prolong the belt life.







# Anti-Burning Conveyor Belt







## Belt Application

- Mainly used in metallurgy, foundry and chemical industries for the high temperature materials handling.
- The belt is specifically designed for maximum continuous temperature of conveyed bulk material as high as **300°C** and withstand temporary peak temperatures up to **800 °C**.

## Belt Characteristic

- The special heat-resistant fabric is used as the reinforcement materials (called EG canvas), assure the belt undeformed under high temperature condition.
- Special compound of rubber cover can form the charring layer of heat insulation when handling high temperature materials.
- Excellent compound of skimmed rubber assure strong adhesion between the layers under high temperature to prevent the layer separation and bubble during the application. The belt has excellent stability with long performance life.







# Flame Resistant Conveyor Belt







### **Belt Application**

Mainly applicable for power stations, coal transportation, tunnel transportation, flammable good etc.

### **Belt Characteristic**

- Higher rubber cover force with perfect flexibility, anti-impact and abrasion, bulk materials is uneasy to slip.
- Flame retardant fabric, firm structure, light and soft, safe and stable, anti-fatigue with long life
- High efficiency of splicing and convenient splicing operation
- Flame retardant, anti-static, self protection and safest
- Light Belt, thinner and energy-saving and environment friendly

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### **K type**

flame resistant with rubber cover according DIN K

### **S type**

flame resistant with rubber cover according DIN S, SANS-F





# Pipe Conveyor Belt

## Market

coal mine, electric power plant, steel ,chemistry , metallurgy etc.

## Features & Advantages

Material can be conveyed within the pipe conveyor belt, it will not be affected by the external environment and prevent contamination. At the same time, it can prevent the pollution by the scattered material.

The pipe belt can turn horizontally without any transfer station. It reduces working space and enhance the conveying angles.

Special rubber compound and belt structure can prolong the belt life.

**Pipe diameter:** 100mm - 850mm

**classification:** steel cord carcass, fabric carcass





# Chevron Conveyor Belt

## Belt Application

suitable for anti-skid of materials, high conveying capacity, inclining angle 0-40° materials in bulks or bags.

## Specification

Pattern: Open V, Closed V, U type, Y type etc.  
Belt width: B400 - B1400mm  
Pattern height: 5, 10, 15, 20, 25, 30mm  
pattern pitch: 125, 200, 250, 300, 400, 500mm  
and available on request



# Elevator conveyor belt

## Belt Application

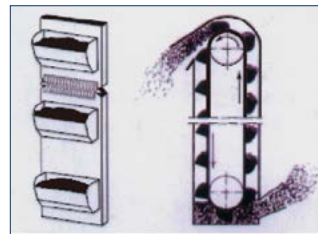
suitable for conveying material in building, mining, chemical, cement, grain etc.

## Advantages

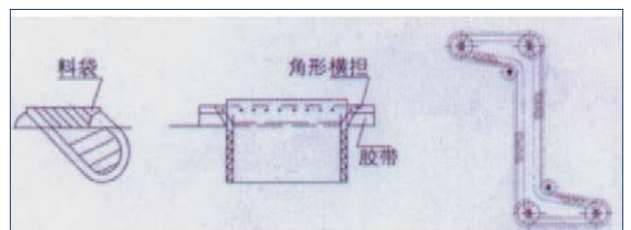
Space-saving, less pollution, operating efficiency, low maintenance.

High tension anti-tearing reinforcement increase heat resistant properties and service life.

### Bucket type



### Bag type







# Corrugated Sidewall Belt

## Belt Application

Mainly applicable for coal, mine, chemistry, grains, metallurgy etc.

## Features

Inclining angle  $0 \sim 90^\circ$ , Minimum maintenance, long belt life, with the ability to convey material at angles up to  $90^\circ$  the required ground space is minimal, high operating efficiency.

## Advantage

- Carcass: Nylon fabric, EP fabric, Steel cord, Steel mesh, Cross rigidity Ply.
- Base belt width: B500mm ~ B2000mm

## SIDEWALL BELT SPECIFICATION

| Type | Height (mm) | Bottom Width(mm) | Pitch (mm) | Cleat  | Bottom Free Space (mm) |
|------|-------------|------------------|------------|--------|------------------------|
| S    | 40          | 30               | 20         | T35    | 4                      |
| S    | 60          | 50               | 40         | T55    | 5                      |
| S    | 80          | 50               | 45         | TC75   | 5                      |
| S    | 100         | 50               | 45         | TC90   | 5                      |
| S    | 120         | 50               | 45         | TC110  | 5                      |
| S    | 160         | 75               | 63         | TC140  | 8                      |
| S    | 200         | 75               | 65         | TC180  | 8                      |
| S    | 240         | 75               | 65         | TC220  | 8                      |
| S    | 300         | 95               | 85         | TC260  | 8                      |
| S    | 400         | 100              | 85         | TCS360 | 12                     |
| S    | 500         | 125              | 105        | TCS460 | 12                     |

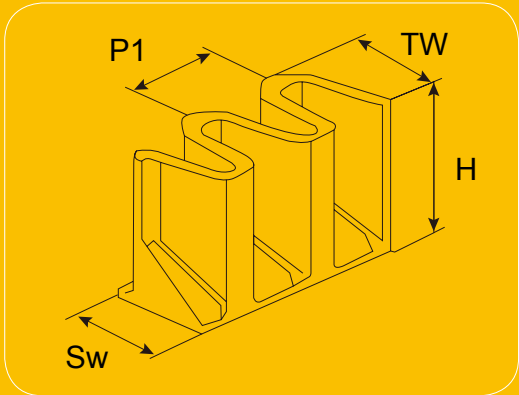




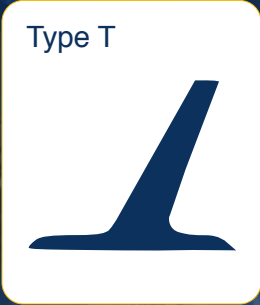
Classification



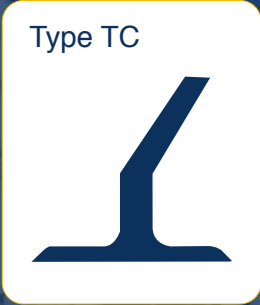
Type S



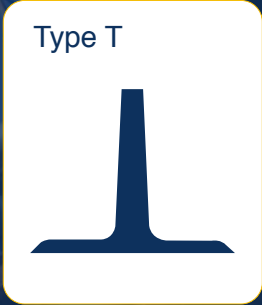
Cross cleat



Type T



Type TC



Type T





CONVEYOR BELTING



① Shidao industrial district longteng road, weihai, Shangdong, China  
② +86-631-7336088 +8618763158588  
③ rhong@srconveyorbelt.com  
④ www.shengrunconveyorbelt.com

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