



BELTING IS OUR ONLY BUSINESS

**COMPREHENSIVE CONVEYOR BELTING RANGE**



## ABOUT US

The Continental Belting Group, started in 1964 with an initial Capital of Rs.2,500 (USD50) today, we are a global player in The Next Generation, Conveyor Belting Solutions, with revenues nearing Rs.125 Crore (USD20 million)

Continental, designs, produces, and delivers Conveyor Belts to over 95% of the ET500 Conveyor Belt using companies. We also provides a complete range of products and services by leveraging our business expertise and strategic alliance, with leading industry majors, like Hilton, Mitsushima, Rhino, Goodyear etc.

Continental has the largest range in the industry, with belt widths upto 3200mm, Conventional Fabric Reinforced Belts, Steel Cord Belts, Pipe Belts, Sidewall belts, Heat Resistant Belts suited upto 250 Deg C, and many more products in our enormous basket of products.

Continental has the largest inventory of Ready Stock Conveyor Belts, waiting to be despatched. We are ready to take care of any emergency, at any time.

Continental Belting, has a Global Footprints in 14 countries, and practically all the continents.

Continental takes pride in building strategic long-term client relationships. 85.55% of our revenues come from existing customers. They grow and we grow with them



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## The Founders & Management :

**Deepak Chandra - CEO,** holds a Bachelor of Technology degree from the Indian



Institute of Technology, Kharagpur and has wide and varied experience in the manufacturing and marketing of conveyor belts. Prior to his current assignment, he has been part of the top management team of companies like Nirlon Ltd, and Dunlop.

Deepak, continues to represent India on the ISO Panels, relating to Conveyor Belting. He is now a Mentor of the ever growing team of professionals.

**Rohit Arora – General Manager,** holds a Masters Degree in Business Management, and is



spearheading the operations of the Organisation, since 1997. Prior to his current assignment, he has been associated in the top marketing teams of companies like BlowPlast & Allanasons Ltd.

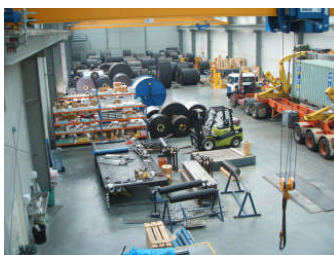
Rohit has also studied about Long Haul conveyors, and has been associated with University of Hannover. He has a strong Techno-Commercial background, and has the responsibility of providing direction and guidance to the various departmental teams.



**The Team :** They are our most prized asset and represent the core of what makes Continental, so unique. Our professional staff has a broad range of backgrounds, formal education and streetwise experience that helps us bring a distinctive approach to the tasks of establishing an appropriate positioning strategy for Continental Belting.

We strongly believe in fostering, entrepreneurship, and every departmental head and every employee is an interpreneur in themselves. All team members regularly sharpen their skills, thanks to various ongoing training programmes, which have helped bring about synergy in the team activities.

**Technology & Infrastructure :** We at Continental, are passionate about technology, not just because,



it improves our profitability, or helps us do things more efficiently, but because, we like to do things differently. We pay serious attention to sharing of knowledge and resources, and every employee has complete information, at their disposal, thanks to our top of the line ERP Systems . Our Workshops can boast of the best equipment available worldwide.



**WHAT DO WE THINK ABOUT OUR CUSTOMERS :**



As partners, whose interests are always safeguarded, may it be, Quality, Deliveries, or After Sales Service. No wonder, that at-least 8 of the top 10 players in any industry, who are conveyor belt users, clients of Continental Belting.

- 90% of standard belts are generally despatched , on the next working day.
- We confidently confirm, that our prices are the most reasonable in the industry, for the given quality, thus a good value product.
- Any un-used products, not to the customer’s satisfaction, are immediately replaced. No questions asked.
- Customer grievances are attended to immediately, telephonically, and if required, our service staff, would be at site within 24-48 hours of receiving the call.

**WHAT DO OUR CUSTOMERS THINK ABOUT US :**



The stability and continuity of **Continental Belting**, Since 1964, gives our customers, the confidence, that, their interests are being taken care of, and their plants would never suffer a shut-down for want of a quality conveyor belt. Our customers are always confident of our ability to provide innovative solutions, to their shoe pinching problems. A Problem Solver.

**WHAT DO OUR COMPETITORS THINK ABOUT US :**



As Market Leaders, our Competition looks upon us, for new, innovative and improved ways of doing things.

We have earned our respect for fair play.

Continental offers a comprehensive range of Rubber Conveyor Belts :

- *Heavy Duty Fabric Conveyor Belts:*
  - *General Conveyor Belt*
  - *Heat Resistant Conveyor Belt*
  - *Oil Resistant Conveyor Belt*
  - *Flame Resistant Belt*
  - *Cold Resistant Belt*
  - *Chemical Resistant Conveyor Belt.*
  
- *Steel Cord Conveyor Belt*
  
- *Chevron Conveyor Belt*
  
- *PVC/PVG Solid Woven Belt*
  
- *Special Belts:*
  - *Sidewall Conveyor Belt*
  - *Elevator Conveyor Belt*
  - *Endless Belt*
  
- *Packing Handling Conveyor Belts:*
  - *Rough Top Conveyor Belt*
  - *Flat Transmission Belt*
  
- *Rubber Sheets for Pulley Lagging & Skirt Board*



## Range of Tensile / Strength Members

A wide range of protective rubber covers, are manufactured in **widths up to 2500 mm** in a most modern automated plant, using the finest raw material inputs. Widths **up to 3200mm** can also be manufactured, on request.

### A. Nylon/Nylon (NN) Carcass :

Lower longitudinal elongation

- Higher tensile strength
- Good flexibility and troughability
- Resistance to mildew, moisture and rotting
- Excellent impact resistance



### B. Polyester/Nylon (EP) Carcass

- Besides having the advantages as listed for NN carcass belts, EP belts have the additional advantage of lower longitudinal elongation.

### C. Cotton/ Cotton (CC) Carcass Suitable for most applications

- Good bonding for rubber
- Good fastener holding properties



### D. Steel Cord (ST) Carcass

- Good troughability
- Has tensile strength, well above the other available tensile members
- Very Low elongation

### D. Kevlar (K) Carcass Good troughability & Low Elongation


Tensile Strengths, equivalent to Steel Cord, yet, very light in weight.

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| COVER GRADE CHARACTERISTICS AND APPLICATION   |   | PHYSICAL PROPERTIES |            |                       |                    |                            |                      |   |
|---|---|---------------------|------------|-----------------------|--------------------|----------------------------|----------------------|---|
| <br><b>General Purpose Belting Standard</b><br><small>BELTING IS OUR ONLY BUSINESS</small> |   | Before Ageing       |            |                       |                    | After Ageing               |                      | <b>Maximum Abrasion Loss mm<sup>3</sup></b> |
|   |   | Tensile Strength    | Elongation | Temperature of Ageing | Duration of Ageing | Change In Tensile Strength | Change in Elongation |   |
|   |   | MPa                 | %          | °C                    | hrs.               | %                          | %                    |   |
| <b>GRADE M-24</b>   |   |                     |            |                       |                    |                            |                      |   |
| This Grade is recommended for conveying heavy, sharp, highly abrasive materials like metallic ores, granite, lime stone, coal, Blast furnace slag & clinker etc.            | IS 1891 PART-I<br>BS 490 PART-I<br>ISO 4195/1 DIN 22102 | 24                  | 450        | 70                    | 72                 | +10 -20                    | +10 -25              | 150   |
| <b>GRADE N-17</b>   |   |                     |            |                       |                    |                            |                      |   |
| Recommended for conveying less severe and moderately abrasive material like sized coal, ash, chalk, bauxite etc.  | IS 1891 PART-I<br>BS 490 PART-I<br>ISO 4195/1 DIN 22102 | 17                  | 400        | 70                    | 72                 | +10 -20                    | +10 -25              | 200   |
| <b>GRADE N-17 SYNTHETIC</b>   |   |                     |            |                       |                    |                            |                      |   |
| Composed of Synthetic Rubber mainly, this grade is suitable for arduous application as M-24 and has similar wear resistance   | IS 1891 PART-I  | 17                  | 400        | 70                    | 72                 | +10 -20                    | +10 -25              | 150   |
| <b>HEAT RESISTANT BELTING</b>   |   |                     |            |                       |                    |                            |                      |   |
| <b>GRADE HR(T-1)</b>  |   |                     |            |                       |                    |                            |                      |   |
| This grade is recommended for conveying hot material and suitable for fines upto 100°C and coarse material upto 125°C.  | IS 1891 PART-II   | 12.5                | 350        | 100                   | 72                 | -25                        | -40                  | 200   |
| <b>GRADE HR (T-2) / SHR</b>   |   |                     |            |                       |                    |                            |                      |   |
| This grade is recommended for conveying hot material and suitable for fines upto 125°C and lumps upto 150°C.  | IS 1891 PART-II   | 12.5                | 350        | 125                   | 72                 | -35                        | -50                  | 250   |
| <b>PYROSHIELD</b>   |   |                     |            |                       |                    |                            |                      |   |
| Pyroshield 200 Deg C<br>Pyroshield 220 Deg C<br>Pyroshield 250 Deg C<br>Pyroshield 300 Deg C  | Proprietary   | 12.5                | 300        | 150                   | 72                 | -35                        | -50                  | 250   |

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| FIRE RESISTANT BELTING  |  |    |     |    |    |         |         |               |
|---|--|----|-----|----|----|---------|---------|---------------|
| GRADE FR  |  |    |     |    |    |         |         |               |
| Having fire resistance and antistatic properties, this grade is recommended for use where a fire hazard exists eg. Thermal Plants. Underground Mines.                                 | CSA-M422-M87<br>IS 1891 PART-V<br>DIN-22103/ISO<br>340 | 17 | 350 | 70 | 72 | +10 -20 | +10 -25 | 175           |
| OIL RESISTANT BELTING   |  |    |     |    |    |         |         |               |
| GRADE OR  |  |    |     |    |    |         |         |               |
| Composed of Synthetic Rubber Compounds this grade is resistant to mineral, vegetable, animal oils and fats.   | IS 1891 PART-III                                       | 12 | 250 | 70 | 72 | ±35     | ±35     | NOT SPECIFIED |
| HYGIENIC BELTING  |  |    |     |    |    |         |         |               |
| GRADE HYGIENIC  |  |    |     |    |    |         |         |               |
| This cover grade is specially designed with nontoxic Rubber Compounds for use in the food processing, pharmaceutical Industry.  | IS 1891<br>PART-IV                                     | 10 | 350 | 70 | 72 | +10 -25 | +10 -45 | NOT SPECIFIED |
| CONTINENTAL CHEVRON BELTING   |  |    |     |    |    |         |         |               |
| These Beltings are specially designed with a Rough/Pimpled or Ribbed Carrying Surface to prevent slippage and ideally suited to carry packaged material on gradients of more than 20° | "Continental"<br>STANDARD                              |    |     |    |    |         |         |               |
| CHEMICAL RESISTANT BELTING  |  |    |     |    |    |         |         |               |
| GRADE CMR   |  |    |     |    |    |         |         |               |
| This specially designed grade of Conveyor Belting incorporates a Top Cover of Nitrile Rubber and Bottom Cover of chloroprene to   | "Continental"<br>STANDARD                              | 12 | 350 | 70 | 72 | +10 -20 | +10 -25 | 150           |

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| Belt Designation        |        | Full Belt Tensile Strength | Maximum Recommended Working Tension |                      | Nominal Carcass Thickness | Nominal Carcass Weight | Maximum Belt Width (mm) for adequate load support Bulk Density (T/m <sup>3</sup> ) |          |          | Minimum Belt width (mm) For adequate Troughing |                |                |
|-------------------------|--------|----------------------------|-------------------------------------|----------------------|---------------------------|------------------------|--|----------|----------|--|----------------|----------------|
| Type                    | Rating | KN/m                       | Vulcanised Splice (kN/m)            | Mechanical Fasteners | (mm)                      | Kg/cm/mtr              | Upto 1.0   | Upto 1.5 | Upto 2.5 | 20 Deg. Idlers                                 | 30 Deg. Idlers | 45 Deg. Idlers |
| <b>GENERAL DUTY</b>     | 200/2  | 200                        | 20                                  | 20                   | 2                         | 0.02                   | 650  | 500      | -        | 300  | 400            | 500            |
|                         | 250/2  | 250                        | 25                                  | 25                   | 2.5                       | 0.02                   | 650  | 600      | -        | 300  | 400            | 500            |
|                         | 315/2  | 315                        | 31                                  | 31                   | 2.7                       | 0.02                   | 900  | 650      | 500      | 300  | 400            | 500            |
|                         | 315/3  | 315                        | 31                                  | 31                   | 3                         | 0.03                   | 1000   | 800      | 650      | 400  | 500            | 500            |
|                         | 400/2  | 400                        | 40                                  | 40                   | 2.8                       | 0.03                   | 1000   | 800      | 650      | 400  | 500            | 500            |
|                         | 400/3  | 400                        | 40                                  | 40                   | 3.2                       | 0.03                   | 1200   | 900      | 650      | 500  | 500            | 500            |
|                         | 500/3  | 500                        | 50                                  | *                    | 3.4                       | 0.03                   | 1200   | 900      | 650      | 500  | 500            | 500            |
| <b>HEAVY DUTY</b>       | 630/3  | 630                        | 63                                  | *                    | 3.5                       | 0.03                   | 1200   | 1000     | 800      | 500  | 500            | 500            |
|                         | 200/2  | 200                        | 20                                  | 20                   | 2.8                       | 0.03                   | 800  | 650      | 500      | 400  | 400            | 500            |
|                         | 250/2  | 250                        | 25                                  | 25                   | 3                         | 0.03                   | 800  | 650      | 500      | 400  | 400            | 500            |
|                         | 315/2  | 315                        | 31                                  | 31                   | 3.1                       | 0.03                   | 1000   | 800      | 650      | 400  | 500            | 500            |
|                         | 315/3  | 315                        | 31                                  | 31                   | 3.6                       | 0.03                   | 1200   | 1000     | 800      | 500  | 500            | 500            |
|                         | 400/2  | 400                        | 40                                  | 40                   | 3.2                       | 0.03                   | 1200   | 1000     | 800      | 500  | 500            | 500            |
|                         | 400/3  | 400                        | 40                                  | 40                   | 3.6                       | 0.03                   | 1200   | 1000     | 800      | 500  | 500            | 650            |
|                         | 400/4  | 400                        | 44                                  | 40                   | 4.5                       | 0.04                   | 1200   | 1000     | 800      | 500  | 500            | 650            |
|                         | 500/3  | 500                        | 50                                  | *                    | 3.7                       | 0.03                   | 1400   | 1000     | 800      | 500  | 500            | 650            |
|                         | 500/4  | 500                        | 55                                  | *                    | 4.5                       | 0.04                   | 1400   | 1200     | 900      | 500  | 650            | 650            |
|                         | 630/3  | 630                        | 63                                  | *                    | 3.9                       | 0.04                   | 1600   | 1400     | 1200     | 650  | 800            | 800            |
|                         | 630/4  | 630                        | 70                                  | *                    | 5                         | 0.05                   | 1800   | 1600     | 1400     | 650  | 800            | 900            |
|                         | 800/4  | 800                        | 90                                  | *                    | 5.4                       | 0.05                   | 1800   | 1600     | 1600     | 650  | 900            | 900            |
| <b>Extra Heavy Duty</b> | 1000/4 | 1000                       | 110                                 | *                    | 5.8                       | 0.05                   | 2000   | 1800     | 1600     | 800  | 900            | 1000           |
|                         | 1000/5 | 1000                       | 110                                 | *                    | 6.6                       | 0.07                   | 2000   | 1800     | 1600     | 800  | 900            | 1000           |
|                         | 1000/5 | 1000                       | 110                                 | »                    | 7                         | 0.08                   | 2000   | 1800     | 1600     | 800  | 900            | 1000           |
|                         | 1250/4 | 1250                       | 140                                 | *                    | 6.8                       | 0.08                   | 2000   | 1800     | 1600     | 800  | 800            | 900            |
|                         | 1250/5 | 1250                       | 140                                 | *                    | 7.5                       | 0.09                   | 2000   | 1800     | 1800     | 800  | 900            | 1000           |
|                         | 1400/4 | 1400                       | 145                                 | *                    | 7.2                       | 0.08                   | 2000   | 1800     | 1800     | 800  | 900            | 1000           |
|                         | 1400/5 | 1400                       | 155                                 | *                    | 8.2                       | 0.09                   | 2000   | 1800     | 1800     | 800  | 900            | 1200           |
| 1600/4                  | 1600   | 180                        |                                     | 7.4                  | 0.08                      | 2000                   | 2000   | 1800     | 800      | 900  | 1200           |                |
| 1600/5                  | 1600   | 180                        |                                     | 8.8                  | 0.1                       | 2000                   | 2000   | 1800     | 800      | 1000   | 1200           |                |
| 1800/6                  | 1800   | 190                        | *                                   | 10.6                 | 0.11                      | 2000                   | 2000   | 2000     | 900      | 1000   | 1200           |                |

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## Heat Resistant Conveyor Belt

- Suitable for conveying hot material like powder or lumpy materials at high temperatures.
- Ideal for conveying sintered ores, cokes, soda ash, chemical fertilizer, slag and foundry.
- It can resist high temperature.
- The rubber compound used in the cover has been designed to avoid premature aging due to contact with any source of heat.
- Heat resistant Grades can be chosen from page depending on your requirement.

Physical property indexes:

| Item                |  | Type |    |     |
|---------------------|--|------|----|-----|
|                     |  | 1    | 2  | 3   |
| Hardness            | Difference before and after aging (IRHD) | 20   |    | ±20 |
|                     | Maximum value after aging (IRHD)         | 85   |    |     |
| Tensile Strength    | Change rate of property % ≤              | 25   | 30 | 40  |
|                     | Minimum value after aging / Mpa          | 12   | 10 | 5   |
| Breaking Elongation | Change rate of property % ≤              | 50   |    | 55  |
|                     | Minimum value after aging %              | 200  |    | 180 |

High Temperature Resistant Conveyor Belt:

- The belt carcass of this product is generally EP fabric of high modulus, low shrink, and high breaking tensile strength.
- Cover rubber specially compounded synthetic rubber having very good heat resistance.
- The belt is made with extra care after mixing rubber with high temperature resistant materials, assembling and vulcanizing.
- The belt can bear continuous 250°C even short exposures of even 350°C
- It is suitable for use in cement, metallurgical and steel industry.



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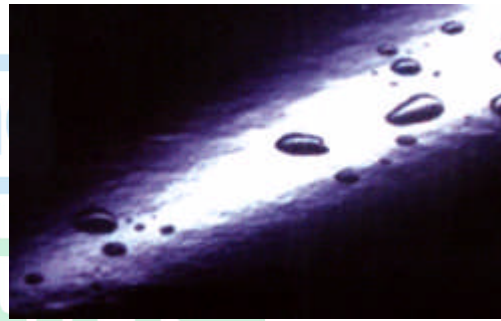
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## Oil Resistant Conveyor Belt

- Oil resistant belt carries parts and components coated with machine oil, heavy-oil treated coal in cooking plants and electric power generating plants, soybean draff, fish meat and other oily materials. Materials containing non-polar organic solvents and fuel.
- The belt compounded of oil resistant synthetic rubber has good resistance to the damaging effects encountered when conveying oil contaminated or treated materials.



➤ Cover rubber property:

| Item | Tensile Strength / MPA | Elongation at break / % | Abrasion / mm <sup>3</sup> |
|------|------------------------|-------------------------|----------------------------|
| LO   |                        | ≥350                    | ≤200                       |
| DO   |                        | ≥350                    | ≤160                       |

## Flame Resistant Belt

The product is made of cotton canvas, nylon canvas or EP canvas and finished through the process of calendaring, assembling, vulcanizing etc, suitable for conveying materials that require a flame resistant and static conductive belts in power, chemical, light, metallurgical and grain processing industries, under the condition of flammable or explosive environment above coal mines.



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| Cover Type            | Standards          | Minimum Tensile Strength (MPA) | Minimum Elongation (%) | Abrasion | Material Covered                      |
|-----------------------|--------------------|--------------------------------|------------------------|----------|---------------------------------------|
| <b>Fire Resistant</b> | SANS-F             | 17                             | 350                    | 180      | Material with fire hazards, e.g. Coal |
|                       | IS-1891(FR Grade)  | 17                             | 350                    | 200      |                                       |
|                       | ISO-340(FR Grade)  | 17                             | 350                    | 180      |                                       |
|                       | AS-F(FR Grade)     | 14                             | 300                    | 200      |                                       |
|                       | AS-1332(FR Grade)  | 14                             | 300                    | 200      |                                       |
|                       | DIN S Grade        | 17                             | 350                    | 180      |                                       |
|                       | DIN K Grade        | 17                             | 400                    | 200      |                                       |
|                       | MSHA-FR            | 17                             | 350                    | 200      |                                       |
|                       | CAN/CSA (FR Grade) | 17                             | 350                    | 200      |                                       |

Cover rubber property:

| Tensile Strength / MPA | Elongation at break / % | Abrasion / mm <sup>3</sup> |
|------------------------|-------------------------|----------------------------|
| ≥18                    | ≥450                    | ≤200                       |
| ≥16                    | ≥400                    | ≤250                       |

## Cold Resistant Belt



This belt can be supplied in cotton canvas, nylon canvas or EP canvas as carcass, Cover rubber is a blend of NR and BR, which has high elasticity, shock resistance, cold resistance etc, It can work @ -40°C.

Usage: suitable for conveying materials outdoors in freezing area, cold storage, etc.

Cover physical property indexes

| Item                      | Index |     |     |
|---------------------------|-------|-----|-----|
|                           | H     | D   | L   |
| Tensile Strength / Mpa ≥  | 24    | 18  | 15  |
| Breaking Elongation / % ≥ | 450   | 400 | 350 |

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|  |  |     |     |     |
|--|--|-----|-----|-----|
| Ageing experiment (70°C, 7d)   | Change rate of tensile strength / %    | ±25 | ±25 | ±25 |
|  | Change rate of breaking elongation / % | ±25 | ±25 | ±25 |
| Abrasion / mm <sup>3</sup> ≤   |  | 120 | 100 | 250 |
| Cold resistant coefficient at elongate ≥   | C <sub>1</sub> (-45°C)                 | 0.3 |     |     |
|  | C <sub>2</sub> (-50°C)                 | 0.2 |     |     |
| <p>Note:</p> <p>C1-- temperature condition is -45°C~+50°C;<br/>C2-- temperature condition is -60°C~+50°C</p> |  |     |     |     |

## Chemical Resistant Conveyor Belt



- The rubber cover, which is made from chemical resistant materials, has fine anti-chemical corrosiveness and good physical property.
- It is specially made for those materials which would dissolve expand or corrode the belt.
- It is suitable for conveying material with chemical corrosiveness in chemical factory, chemical fertilizer factory, paper mill, mining industry etc.

### Technical indexes

| Item  |                   |              | Tensile Strength /Mpa ≥ | Elongation at break /% ≥ | Abrasion /mm <sup>3</sup> ≤ | Hardness /(°)+10-5                | Ozone deterioration |
|-------|-------------------|--------------|-------------------------|--------------------------|-----------------------------|-----------------------------------|---------------------|
| Cover | Physical property | Before aging | 14                      | 400                      | 250                         | 60                                | no cracks           |
|       |                   | After aging  | 12                      | 340                      | -                           | 65                                | -                   |
|       | Acid and alkali   | Class        | Soak liquid             | Density                  | Soak conditions             | Change rate before and after soak |                     |

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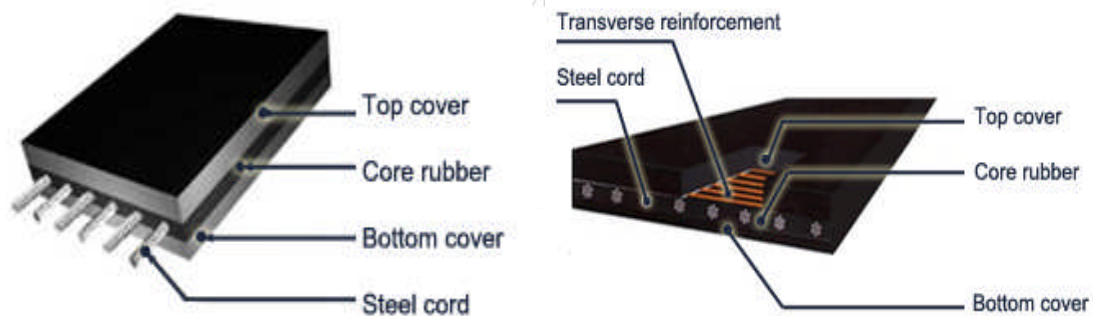
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|  | resistance |    |       |     | °C x h     | Swelling rate | Change rate of tensile strength |
|--|------------|----|-------|-----|------------|---------------|---------------------------------|
|  |            | A1 | HCL   | 18% | 50°C x 96h | ≤+10%         | ≤-10%                           |
|  |            | A2 | H2SO4 | 50% | 50°C x 96h | ≤+10%         | ≤-10%                           |
|  |            | A3 | NaOH  | 48% | 50°C x 96h | ≤+10%         | ≤-10%                           |

## Steel Cord Conveyor Belt >>

- Used in coal, ore, port, metallurgical, power and chemical industries, suitable for long distance and heavy load transportation of materials.
- Standards offered: DIN22131, EN ISO 15236, SANS1366 and AS1333.
- Cover Compounds: General, Fire-resistant, Cold-resistant, Abrasion-resistant, Heat-resistant and Chemical-resistant.

Belt Structures:



ferenced Belt Specifications

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## STEEL CORD BELT SELECTION

| Belt Specifications             |                | ST1000      | ST1250 | ST1600 | ST2000 | ST2500 | ST3150 | ST3500 | ST4000 | ST4500 | ST5000 | ST5400 |
|---------------------------------|----------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Tensile Strength (N/mm)         |                | 1000        | 1250   | 1600   | 2000   | 2500   | 3150   | 3500   | 4000   | 4500   | 5000   | 5400   |
| Max. Diameter of Cord(mm)       |                | 4.1         | 4.9    | 5.6    | 5.6    | 7.2    | 8.1    | 8.6    | 8.9    | 9.7    | 10.9   | 11.3   |
| Pitch(mm) $\pm 1.5$             |                | 12          | 14     | 15     | 12     | 15     | 15     | 15     | 15     | 16     | 17     | 17     |
| Min. Rubber Cover Thickness(mm) |                | 4           | 4      | 4      | 4      | 5      | 5.5    | 6      | 6.5    | 7      | 7.5    | 8      |
| Width (mm)                      | Tolerance (mm) | Cord Number |        |        |        |        |        |        |        |        |        |        |
| 500                             | $\pm 5$        | 39          | 34     |        |        |        |        |        |        |        |        |        |
| 650                             | $\pm 7$        | 51          | 44     | 40     | 51     | 40     | 40     | 40     | 40     | 37     |        |        |
| 800                             | $\pm 8$        | 64          | 55     | 50     | 64     | 50     | 50     | 50     | 50     | 46     | 43     | 43     |
| 1000                            | $\pm 10$       | 81          | 69     | 64     | 81     | 64     | 64     | 64     | 64     | 59     | 55     | 55     |
| 1200                            | $\pm 10$       | 97          | 84     | 77     | 97     | 77     | 77     | 77     | 77     | 71     | 66     | 66     |
| 1400                            | $\pm 12$       | 114         | 98     | 90     | 114    | 90     | 90     | 90     | 90     | 84     | 78     | 78     |
| 1600                            | $\pm 12$       | 131         | 112    | 104    | 131    | 104    | 104    | 104    | 104    | 96     | 90     | 90     |
| 1800                            | $\pm 14$       | 147         | 127    | 117    | 147    | 117    | 117    | 117    | 117    | 109    | 102    | 102    |
| 2000                            | $\pm 14$       | 164         | 141    | 130    | 164    | 130    | 130    | 130    | 130    | 121    | 113    | 113    |
| 2200                            | $\pm 15$       | 181         | 155    | 144    | 181    | 144    | 144    | 144    | 144    | 134    | 125    | 125    |
| 2400                            | $\pm 15$       | 197         | 169    | 157    | 197    | 157    | 157    | 157    | 157    | 146    | 137    | 137    |
| 2600                            | $\pm 15$       | 214         | 184    | 170    | 214    | 170    | 170    | 170    | 170    | 159    | 149    | 149    |
| 2800                            | $\pm 15$       | 231         | 198    | 184    | 231    | 184    | 184    | 184    | 184    | 171    | 161    | 161    |
| 3000                            | $\pm 15$       | 247         | 212    | 197    | 247    | 197    | 197    | 197    | 197    | 184    | 172    | 172    |
| 3200                            | $\pm 15$       | 264         | 227    | 210    | 264    | 210    | 210    | 210    | 210    | 196    | 184    | 184    |

### ST Belt Splice : Splice dimensions as per DIN 22131

|                          | ST1000 | ST1250 | ST1600 | ST2000 | ST2500 |
|--------------------------|--------|--------|--------|--------|--------|
| Minimum step length (mm) | 300    | 350    | 400    | 450    | 500    |
| Splice length (mm)       | 600    | 650    | 750    | 1150   | 1350   |
|                          | ST3150 | ST3500 | ST4000 | ST4500 | ST5000 |
| Minimum step length (mm) | 650    | 650    | 750    | 800    | 900    |
| Splice length (mm)       | 1650   | 2350   | 2650   | 2800   | 4050   |

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## Chevron Conveyor Belt >>



Chevron conveyor belt is suitable for conveying loose, bulky or bagged materials on inclined surface at angles of less than 40 degrees.

Features:

- Anti-slip;
- Cleats and top cover rubber are vulcanized integrally;
- Cleat pattern, angle and pitch are designed

elaborately.

Selection of a type and height of cleats depends on the material to be conveyed and the angle of inclination:

| Type of material | Conveyed Material              | H(mm):    |
|------------------|--------------------------------|-----------|
|                  |                                |           |
| Powdery          | Flour, etc.                    | 15<br>25° |
| Loose flowing    | Corn, barley, wheat, rye, etc. | 20/25°    |
| Loose rolling    | Gravel, ground stone, etc.     | 25°       |
| Packed           | Sacks, paper sacks, etc.       | 30/35°    |
| Sticky           | Wet sand, ash, wet loam, etc.  | 30/35°    |

Cleat pattern ranges: Conveyor belts with close V type, open V type, & Y type

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## PVC/PVG Solid Woven Belt >>

Applications & features:

- Especially suitable for material conveying at inflammable or underground coal mines.
- The fabric is high in strength, with low elongation, light carcass, shock resistant, anti-tear and good in trough ability.

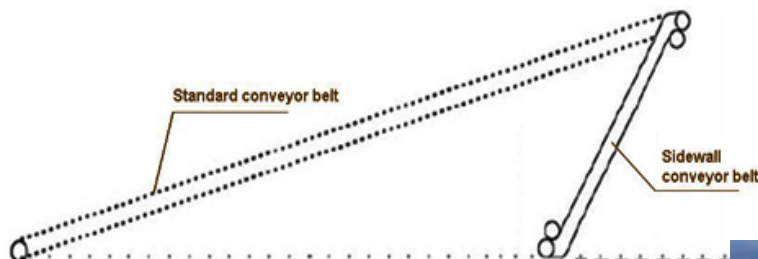
PVC Solid Woven Conveyor Belt:

- Suitable for applications in dry conditions at a slope angle of no greater than 16 degrees.
- Cover thickness can be from 0.5 to 4 mm.
- Nitrile Covered PVG type:
- Suitable for applications at a slope angle of less than 20 degrees, thickness can be 1 to 8 mm.
- Resistance to wetness, slip, low temperature and wear resistance of the belt.

Standards: MT914, BS3289 and HG2805

## Sidewall Conveyor Belt

Sidewall conveyor belt can be used for horizontal, sloping or vertical conveyance, it is one of the most effective ways of elevating materials in a confined space, the economy is achieved by single belt operation, wide range material can be handled, less space and requirement, no transfer point, low maintenance and big capacity.



It is based on the following main components:

1. Cross-Stabilized Base Belts
2. Sidewalls
3. Cleats

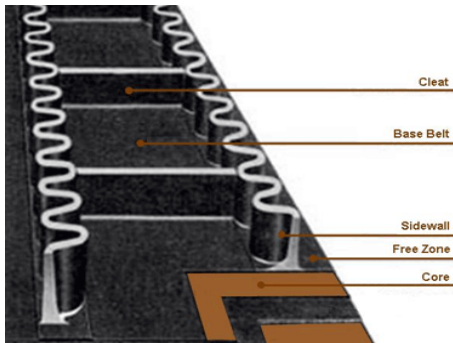


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| Cleats Type    | T'              |     | T   |     |     |     |               |     |     |     | C                      |     |     |     |     | S    |     |     |     |     |     |     |
|----------------|-----------------|-----|-----|-----|-----|-----|---------------|-----|-----|-----|------------------------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|
| Structure      |                 |     |     |     |     |     |               |     |     |     |                        |     |     |     |     |      |     |     |     |     |     |     |
| Height         | 35              | 40  | 20  | 35  | 55  | 75  | 90            | 110 | 140 | 180 | 230                    | 35  | 55  | 75  | 90  | 110  | 75  | 90  | 110 | 140 | 180 | 230 |
| Belt Width     | 110             | 110 | 40  | 55  | 80  | 80  | 110           | 110 | 160 | 160 | 175                    | 55  | 75  | 80  | 110 | 110  | 80  | 110 | 110 | 160 | 160 | 175 |
| Cleats Type    | MBT             |     |     |     |     |     | XS-T          |     |     |     | MBS                    |     |     |     |     | XS-S |     |     |     |     |     |     |
| Structure      |                 |     |     |     |     |     |               |     |     |     |                        |     |     |     |     |      |     |     |     |     |     |     |
| Height         | 110             | 140 | 180 | 230 | 250 | 280 | 360           | 230 | 250 | 280 | 360                    | 110 | 140 | 180 | 230 | 250  | 280 | 360 | 230 | 250 | 280 | 360 |
| Belt Width     | 160             | 160 | 160 | 160 | 160 | 160 | 160           | 210 | 220 | 230 | 230                    | 160 | 160 | 160 | 160 | 160  | 160 | 160 | 225 | 225 | 225 | 230 |
| Base Belt Type | XE(Cross Rigid) |     |     |     |     |     | XE+2(2ply XE) |     |     |     | XE-MB(Metal Breaker)+2 |     |     |     |     |      |     |     |     |     |     |     |
| Structure      |                 |     |     |     |     |     |               |     |     |     |                        |     |     |     |     |      |     |     |     |     |     |     |

## Hot Vulcanized Endless Belts

Endless belts are made in our state of the art, hydraulic press, by the process of hot vulcanizing.

Characteristic:

- Bond strength is way ahead of alternative methods of jointing, such as cold vulcanizing, metal fastening, etc.
- Belt can be fitted immediately, thus, the downtime is limited to the belt changeover time
- The surface is smooth, and there is no knocking on the idlers or pulleys.



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## Rough Top Conveyor Belt



Construction: 2 or 3 ply construction with cut edges and carcass of NN or EP fabric.

The surface texture resists the tendency for the material to roll back down the conveyor.

- The top cover is made of wear-resistant rubber with a non-slip surface. It has cushioning effect, mollifies and absorbs vibrations and impacts given on transported materials and simultaneously prevents slipping.
- Available with bottom cover or bare back for slider bed applications.
- Although it depends on the transported materials,

transportation at inclination angles 25 ~ 30 are feasible.

Application: Rough top conveyor belt is used for transporting light weight goods, such as sacks, boxes and parcels, on inclined surface at angles of maximal 35 degree.



## Rubber Sheets >>

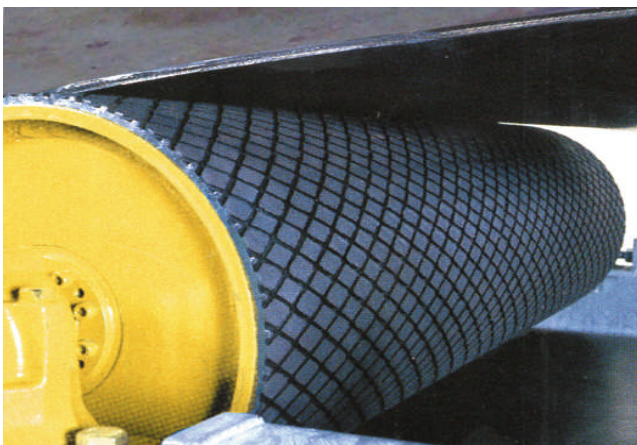
### PULLEY LAGGING SHEETS :

Very helpful in improving drivability / traction, between the belt & pulley, especially helpful in moist climates. These are available in standard Diamond Profile.

Thickness. : 10mm

Maximum Width: 2000mm

Maximum Length: 20m



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## Rubber Skirting

Skirt Board rubber sheets are softer than the conveyor belt, so they do not create scoring or rubbing on the belt. Made for high quality Natural Rubber, having excellent wear resistance.



**Thickness. : 4mm to 10mm**

**Maximum Width: 2000mm**

**Maximum Length: 20m**

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## CONVEYOR BELT QUESTIONNAIRE

- 1) Name : M/s
- 2) Conveyor No. :
- 3) Belt Width (mm) :
- 4) Centre to Centre distance (m) {conveyor length} :
- 5) Nett. Lift! height of Conveyor (m) {Difference between loading and discharge point} :
- 6) Material Conveyed & size (mm) :
- 7) Material Temperature : \_\_\_\_\_
- 8) Any Chemically Active material! oily materials  
Conveyed ? If yes, please identify the material :
- 9) Speed of belt (m/s): \_\_\_\_\_
- 10) Capacity – Tons/hour (TPH) :
- 11) Troughing angle of the carrying idlers :
- 12) Pulley diameter of the head & tail pulley (mm) :
- 13) Any Other Details / Observations

Note : For multiple conveyors please take photocopies of the questionnaire.

## ELEVATOR BELT QUESTIONNAIRE

- 1) Name : M/s.
- 2) Elevator No./Name :
- 3) Belt Width (mm) :
- 4) Centre to Centre distance (m) {elevator height} :
- 5) Bucket Dimension mm {width, height & overhang} :  
V. Important : overhang or Projection of buckets from belt face
- 6) Approx. weight of empty bucket (kg) :
- 7) Bucket Pitch (mm)
- 8) Material Conveyed :
- 9) Any Chemically Active material/ oily materials Conveyed ?  
If yes, please identify the material :
- 10) Material Temperature :
- 11) Speed of belt (m/s):
- 12) Capacity (TPH) :
- 13) Pulley/Roller Diameters (mm) :

Note : For multiple elevators please take photocopies of the questionnaire.

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