

**KALE**  
CONVEYOR



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# About Us



Arif Dađlı, deceased founder of our company was producing fabrics and carpets in his looms designed and produced by himself when he first got a start in the business. Later, he decided to proceed in the conveyor belt industry where he actually wanted to be successful in and founded Kale Conveyor Belts. During this rise initiated by Arif Dađlı, Hasan Faruk Dađlı, our Chairman of the Board of Directors who has made great contributions to the present status of our company has taken over the flag and our company has become the leader in its industry in our country.

Kale Conveyor Belts first started with production of transmission belts and rubber sheets in 1975 and then continued with manufacturing of conveyor belts that are the greatest production item today. During its history above 40 years, Kale Conveyor Belts has always been producing high-quality products and offered them to its customers.



# Our Factory



All products manufactured by our company are compliant with ISO and DIN standards as well as TSE (Turkish Standart Institution) standards applicable in our country. Kale Conveyor Belts has ISO9001:2008 quality standards certificate since 2004.

Our former factory in Topkapı moved to Çanta, Silivri, İstanbul in 2005. With new additions constructed, our total production area has reached to 50.000 m2 today. Our facilities produce about 4000 m2 on a daily basis and more than 80% of this production is exported to more than 50 countries all over the world.

With our customer satisfaction and quality-focused service approach, your valuable orders to be placed in our company will always be produced in a timely manner and according to required standards.



# Abrasion-Resistant Belts

## Areas of Usage

Such type of these belts are usually used in crusher sites, sandpits, certain parts of cement factories, port loading and loading, certain parts of power plants, road constructions, some parts of coal mines, certain units of iron and steel factories, factories processing agricultural products, sugar factories, and stone and lime quarries

## Specifications

- Materials produced with combination of NR/SBR/BR rubbers.
- Used in conveying abrasive and coarse-grained materials.
- Impact-resistant.
- Our belts produced regularly for operating at continuous temperatures from -40°C to +80°C can be produced for operating at temperatures from -40°C to +120°C either.
- Resistant to ozone and oxygen.
- Has electrostatic conductivity according to TS EN 12882, DIN 22104 and DIN EN ISO 284 standards. Resistance  $\leq 300M\Omega$
- Produced according to DIN 22101 and TS EN ISO 14890 norms.

CLASS CODING TS EN ISO 14890				H	D	L
DESCRIPTION				Highly resistant to tensile, tear, impact and deformation, very good abrasion resistance	Highly resistant to abrasion, good resistance to tensile, tear, impact and deformation	Good resistance to abrasion and tensile
TENSILE STRENGTH	N/mm <sup>2</sup>	(min)	ISO 37	24	18	15
ELONGATION AT BREAK	%	(min)	ISO 37	450	400	350
ABRASION LOSS	mm <sup>3</sup>	(max)	ISO 4649-A	120	100	200

CLASS CODING DIN 22101				X	W	Y	Z
DESCRIPTION				Highly resistant to tensile, tear, impact and deformation, very good abrasion resistance	Highly resistant to abrasion, good resistance to tensile, tear, impact and deformation	Highly resistant to abrasion, good tensile resistance	Medium resistant to abrasion, and tensile
TENSILE STRENGTH	N/mm <sup>2</sup>	(min)	ISO 37	25	18	20	15
ELONGATION AT BREAK	%	(min)	ISO 37	450	400	400	350
ABRASION LOSS	mm <sup>3</sup>	(max)	ISO 4649-A	120	90	150	200

# Oil Resistant Belts

## Areas of Usage

They are used in some factories manufacturing chemical substances, synthetic and organic fertilizer production-transport facilities, recycling plants, waste elimination machinery, and lumber-paper industry.

## Specifications

- Our belts are produced regularly for operating at continuous temperatures from -40°C to +110°C can be produced for operating at temperatures from -40°C to +130°C either.
- Resistant to oil, grease and acid.
- Has electrostatic permeability according to TS EN 12882, DIN 22104 and DIN EN ISO 284 standards Resistance  $\leq 300 \text{ M}\Omega$ .
- Produced and tested according to TS EN ISO14890 and ASTM D5964 -16 norms.

CODING				CLASS1/OR	CLASS2/MOR
DESCRIPTION				Highly resistant to acid, lubricants, hydrocarbons, vegetable and animal oils, grease.	Good resistant to acid, lubricants, hydrocarbons, vegetable and animal oils, grease.
TENSILE STRENGTH	N/mm <sup>2</sup>	(min)	ISO 37	20	20
ELONGATION AT BREAK	%	(min)	ISO 37	450	450
ABRASION LOSS	mm <sup>3</sup>	(max)	ISO 4649-A	150	150
VOLUME CHANGE ASTM OIL 1 22 h/ 70°C	%	(max)		5	10
VOLUME CHANGE ASTM OIL 3 22 h/ 70°C	%	(max)		10	20



# Heat-Resistant Belts

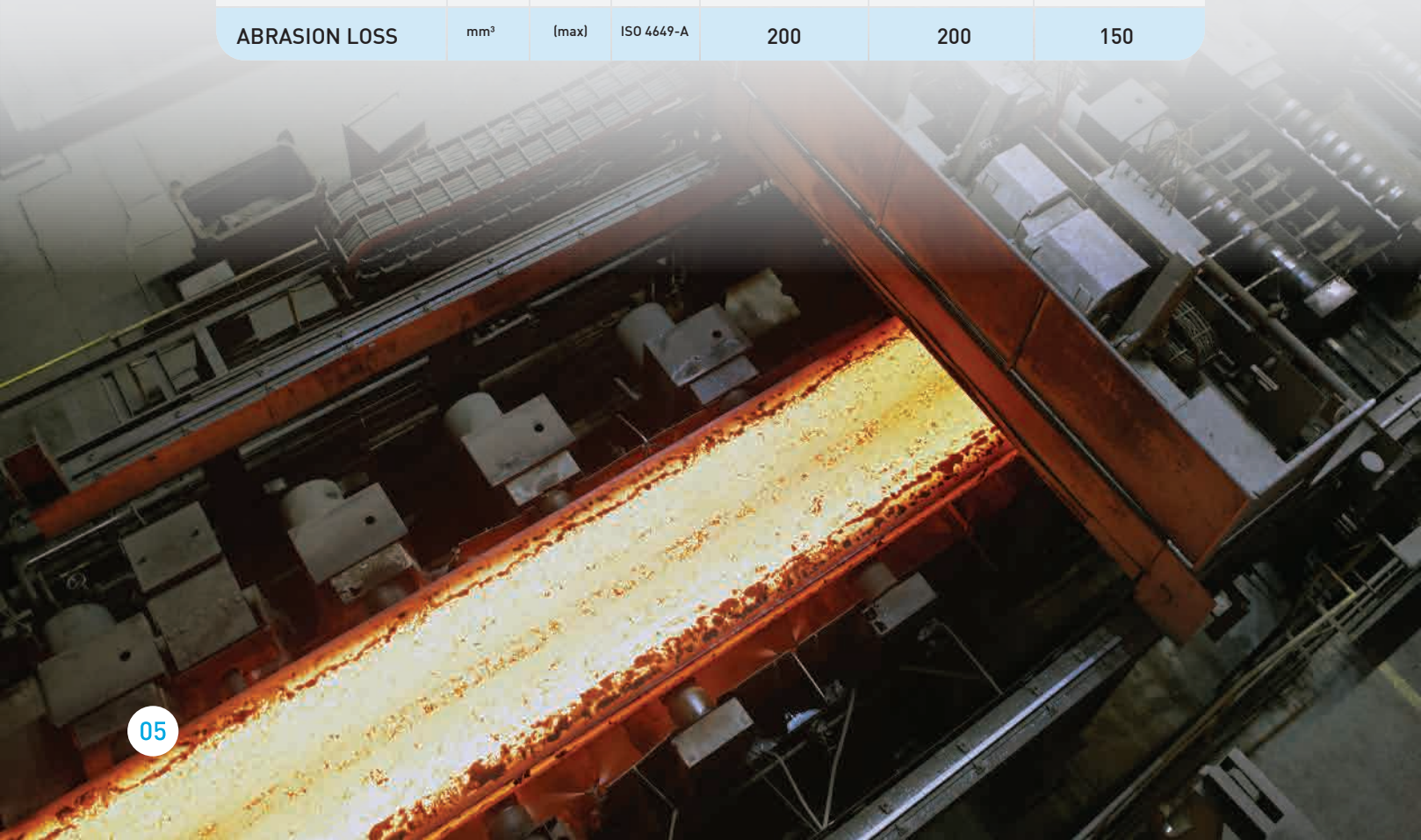
## Areas of Usage

They are used in foundries, iron-steel factories, brick and tile factories, certain parts of ceramic factories, cement factories, lime quarries, some pits, and factories making production in hot and wet environments.

## Specifications

- EPDM rubber based production.
- Our belts are produced for operating at continuous temperatures from - 50°C to +200°C and for operating at short-term temperatures up to +400°C
- Highly resistant to acids, alkalis, water-based liquids and atmospheric aging (ozone).
- Produced according to TS EN 14890, TS ISO 4195, TS ISO 188 norms.
- Has electrostatic conductivity according to TS EN 12882, DIN 22104, DIN EN ISO 284 standards Resistance  $\leq 300M\Omega$

CLASS CODING TS EN 14890				CLASS 1	CLASS 2	CLASS 3
DESCRIPTION				Resistant to continuous operation temperature up to 120°C and shortterm temperature rise up to 200 °C	Resistant to continuous operation temperature up to 150°C and shortterm temperature rise up to 300 °C	Resistant to continuous operation temperature up to 200°C and shortterm temperature rise up to 400 °C
TENSILE STRENGTH	N/mm <sup>2</sup>	(min)	ISO 37	18	18	20
ELONGATION AT BREAK	%	(min)	ISO 37	400	450	450
ABRASION LOSS	mm <sup>3</sup>	(max)	ISO 4649-A	200	200	150



# Flame-Retardant Belts

## Areas of Usage

They are used in underground mines, flammable environments and factories engaged in special production

## Specifications

- Chloroprene rubber-based production.
- Resistant to burning.
- Produced for open pit mine installations according to standards TS EN ISO 14890, ISO 340, TS EN 12882, ISO 284.
- Produced for underground mine services according to standards TS EN ISO 22721, TS EN 14973 +A1, EN 1554.
- Standard types have electrostatic conductivity according to TS EN 12881, TS EN 12882, DIN 22104, DIN EN ISO 284 Resistance  $\leq 300M\Omega$ , and this can be up to Resistance  $\leq 150M\Omega$ .
- Produced according to EN 14973, TS EN ISO 14890 and TS EN 12882 standards.

CLASS CODING TS EN ISO 22721				K	L	V
14973 + A1 CLASS				A,B1,B2,C1	A,B1,B2,C1	A,B1,B2,C1
TENSILE STRENGTH	N/mm <sup>2</sup>	(min)	ISO 37	20	15	17
ELONGATION AT BREAK	%	(min)	ISO 37	400	350	350
ABRASION LOSS	mm <sup>3</sup>	(max)	ISO 4649-A	200	200	175

CLASS CODING TS EN ISO 12882				K	L	V
CLASSES				2A,2B,3A,3B,4A,4B	2A,2B,3A,3B,4A,4B	2A,2B,3A,3B,4A,4B
TENSILE STRENGTH	N/mm <sup>2</sup>	(min)	ISO 37	20	15	17
ELONGATION AT BREAK	%	(min)	ISO 37	400	350	350
ABRASION LOSS	mm <sup>3</sup>	(max)	ISO 4649-A	200	200	175

# Profiled Belts

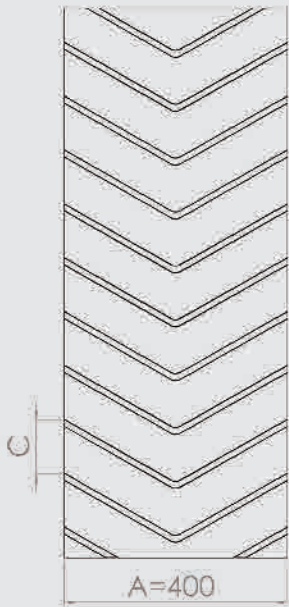
## Areas of Usage

Chevron belts are used in transport of bulk materials by right-angled conveyors. They are designed by Kale Conveyor Belts in various patterns and dimensions depending on material to be conveyed to prevent down-sliding of bulk materials being conveyed on conveyor lines.

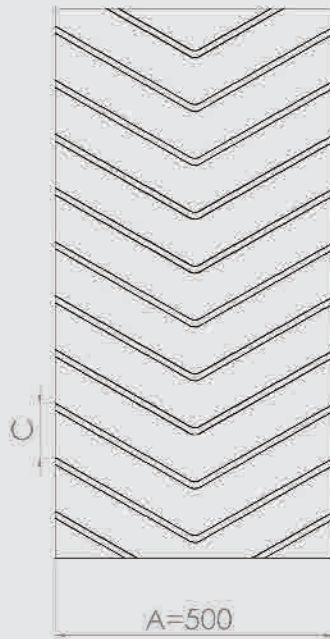


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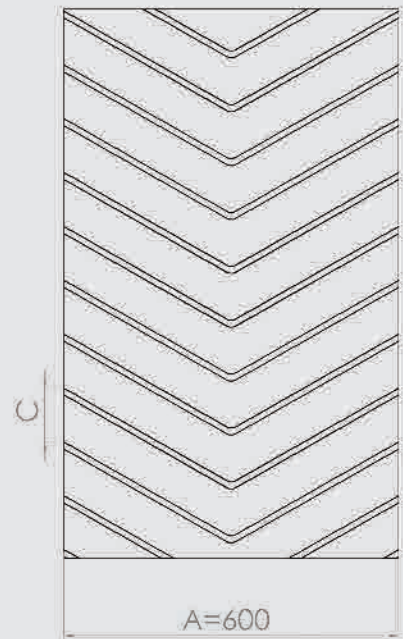
C6/400



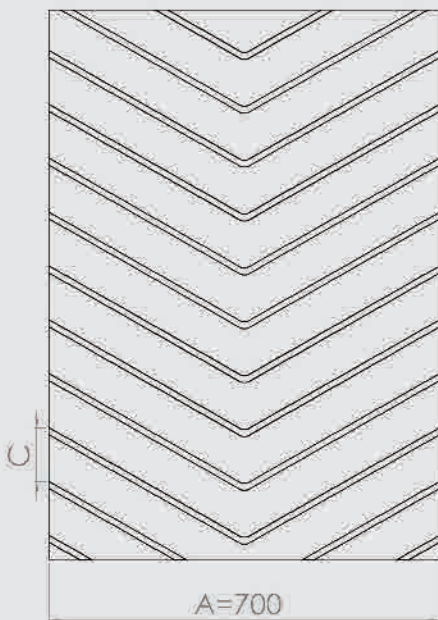
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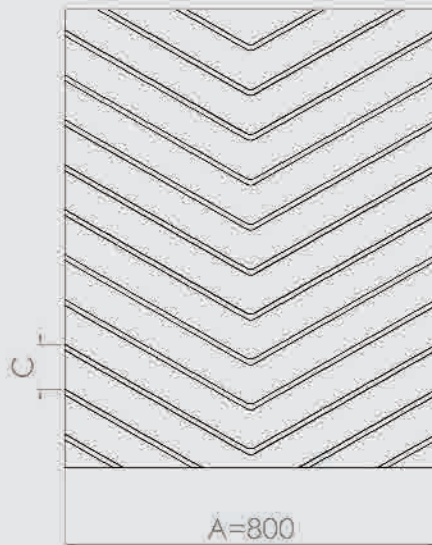
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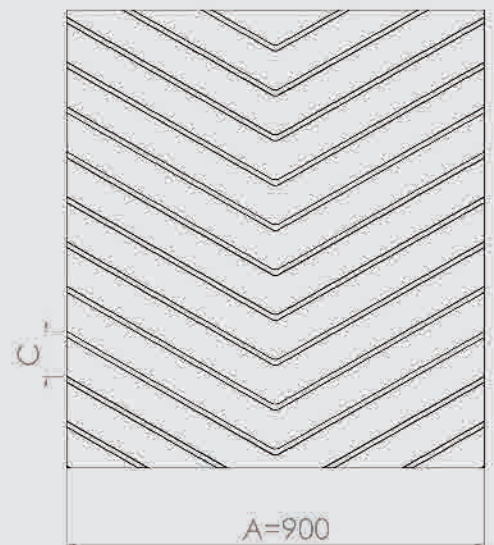
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C6/800

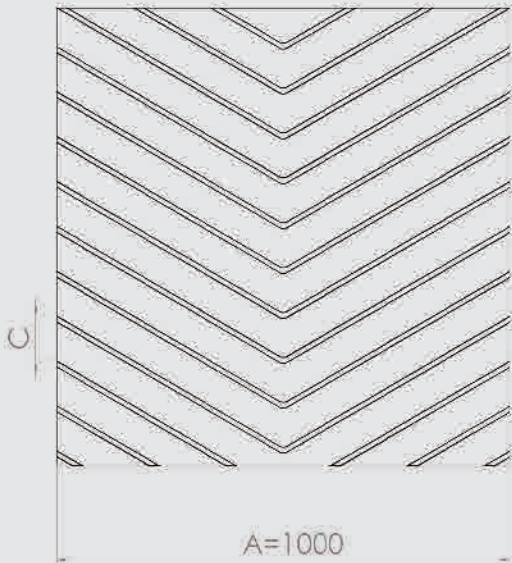


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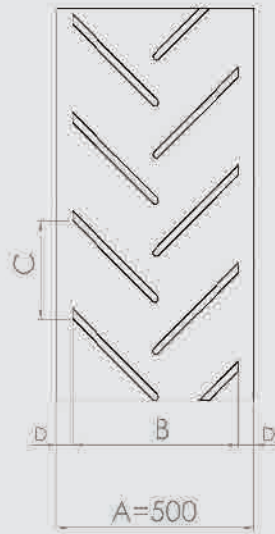


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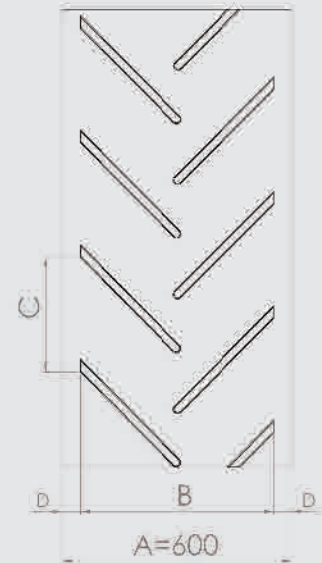
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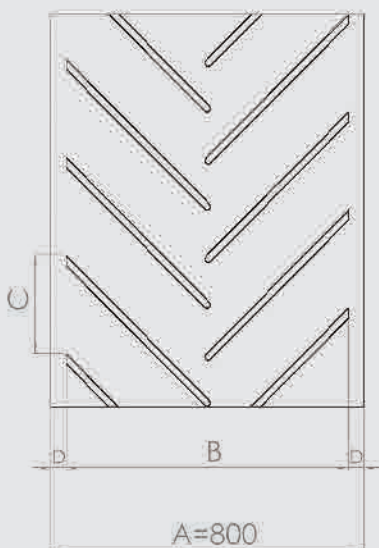
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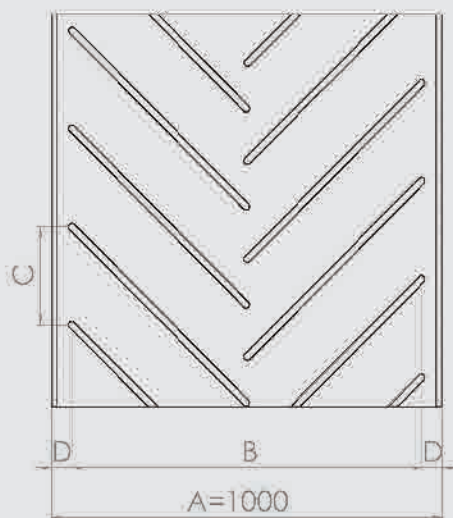
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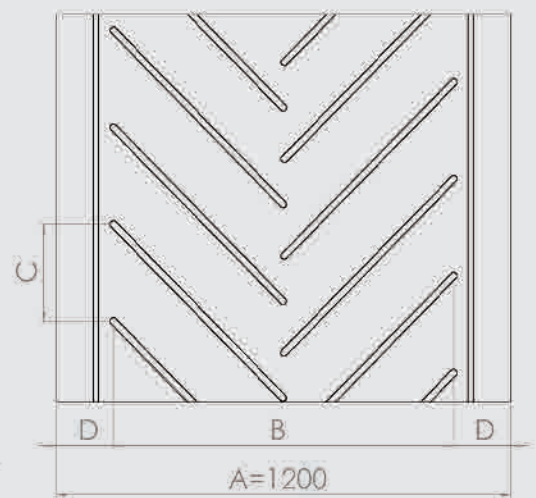
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C14/1000

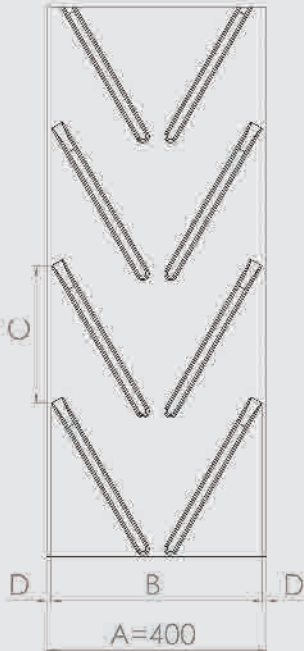


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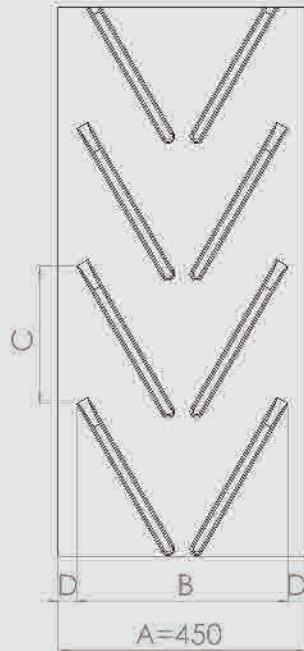


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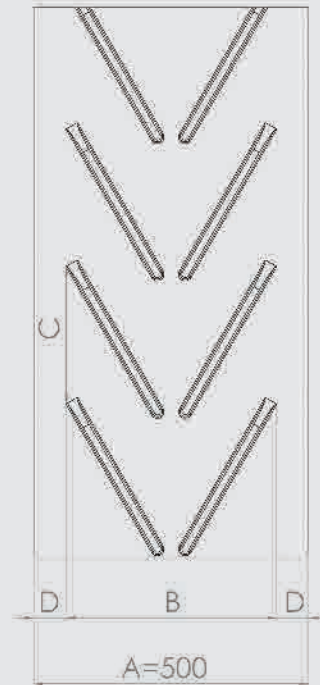
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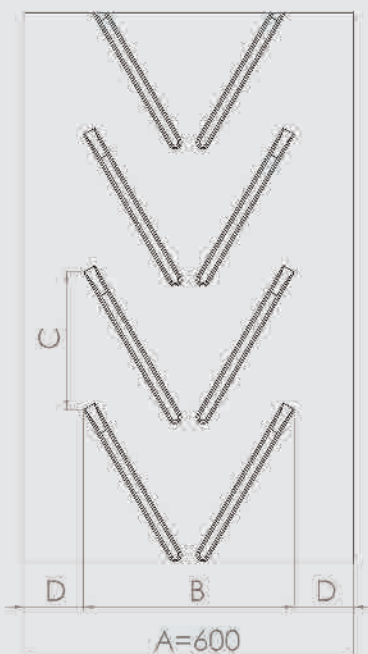
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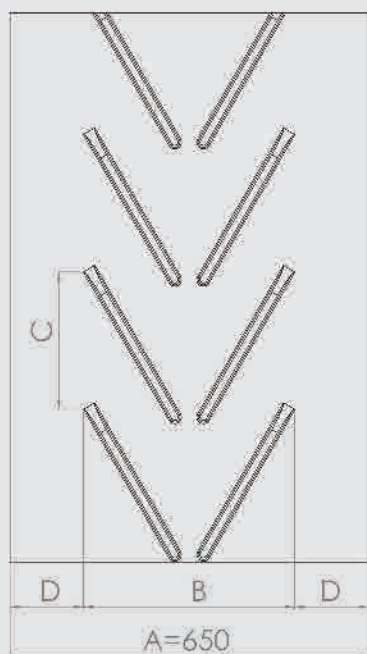
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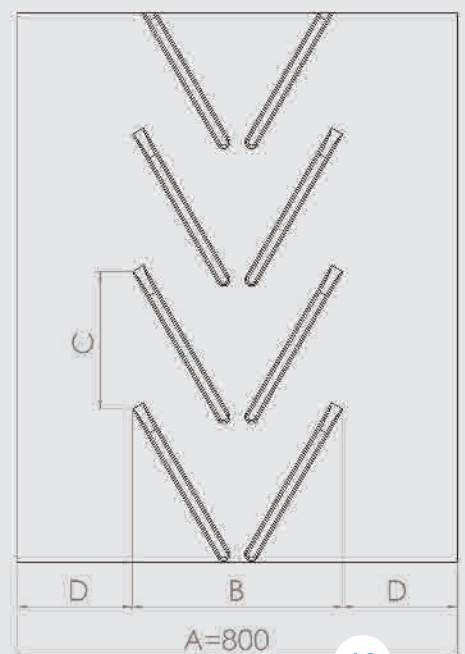
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C15P380/650

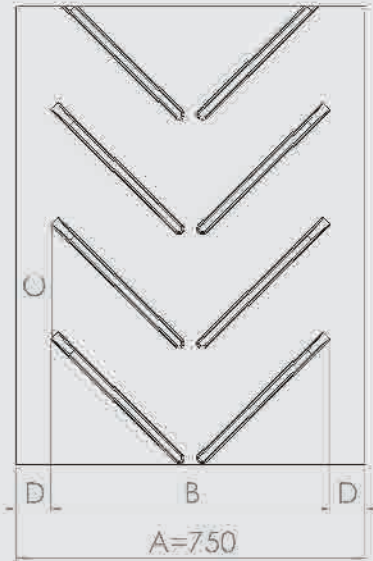


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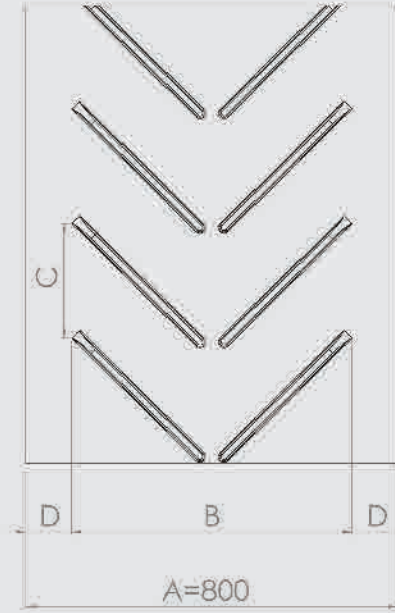


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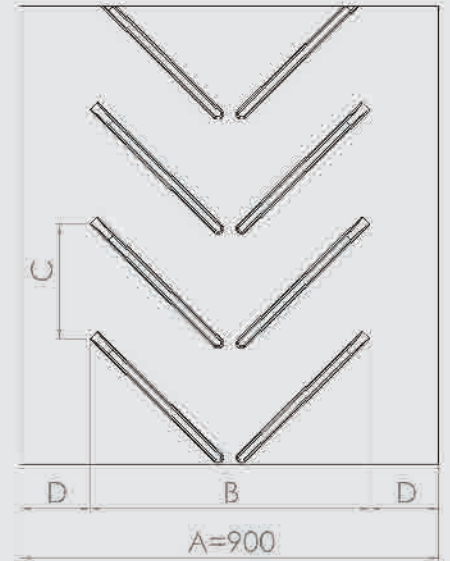
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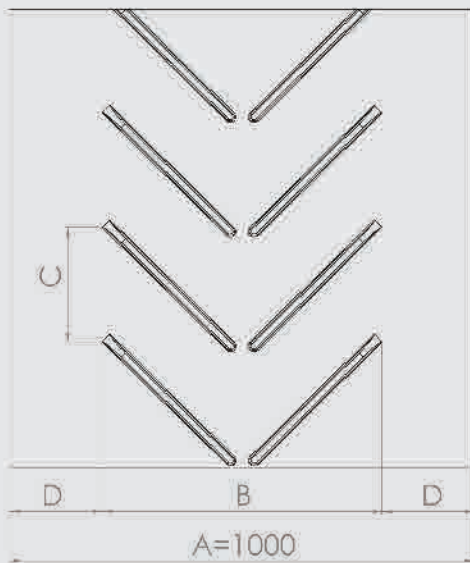
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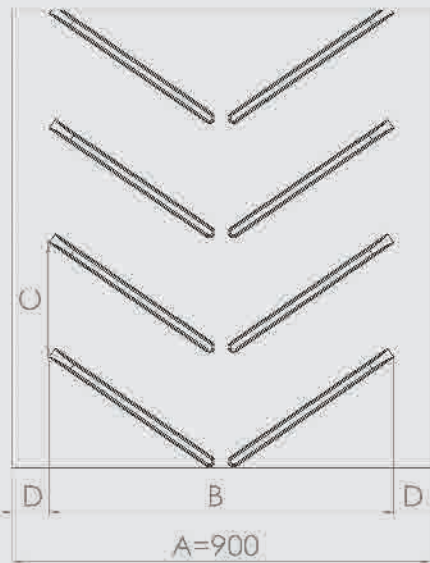
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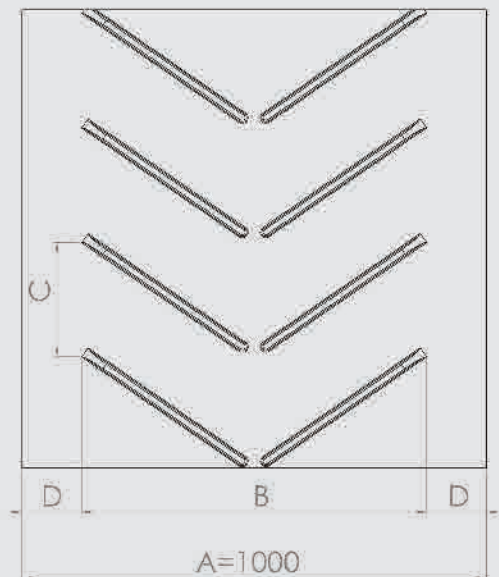
C15P600/1000



C15P740/900

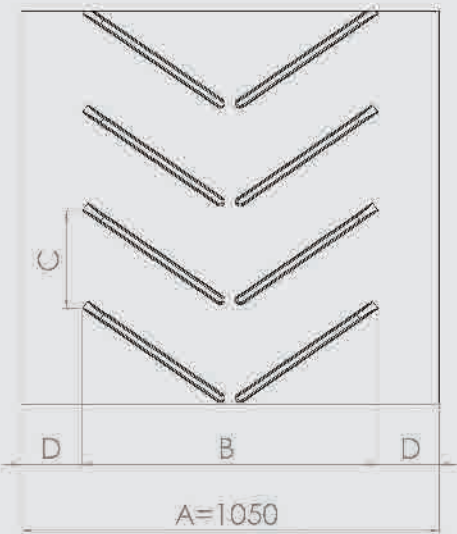


C15P740/1000

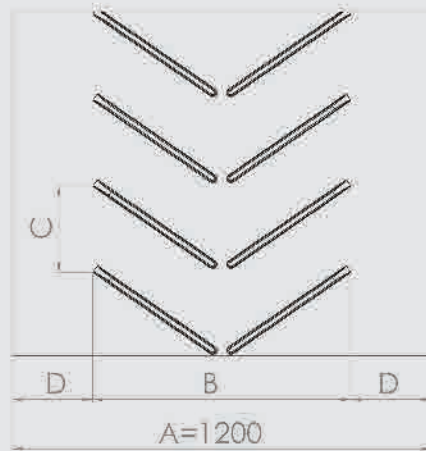


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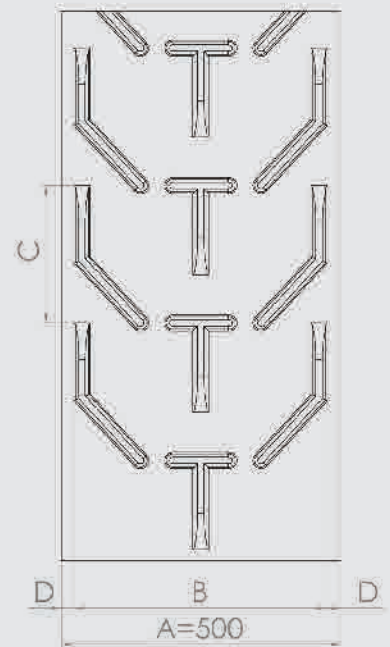
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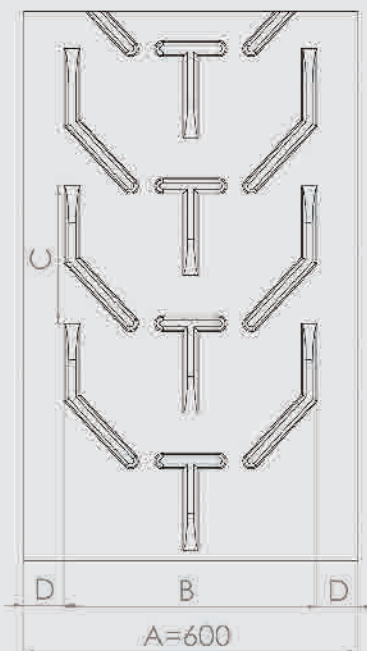
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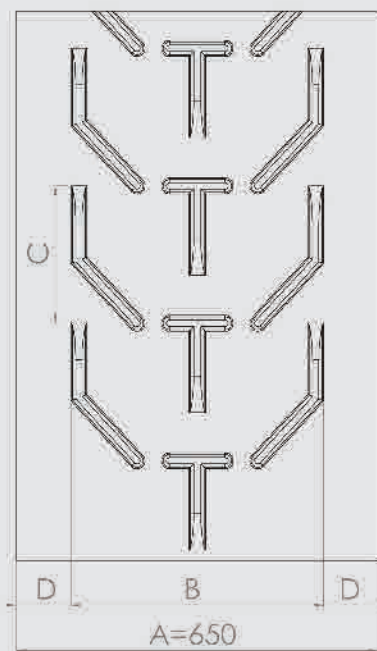
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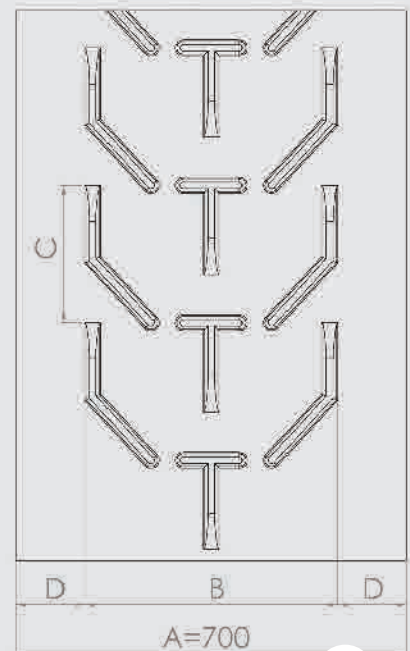
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C25P450/650

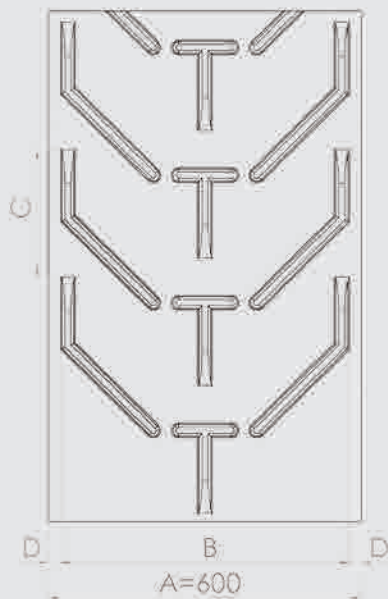


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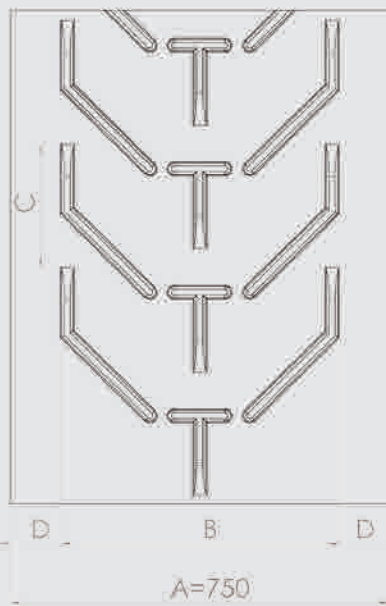


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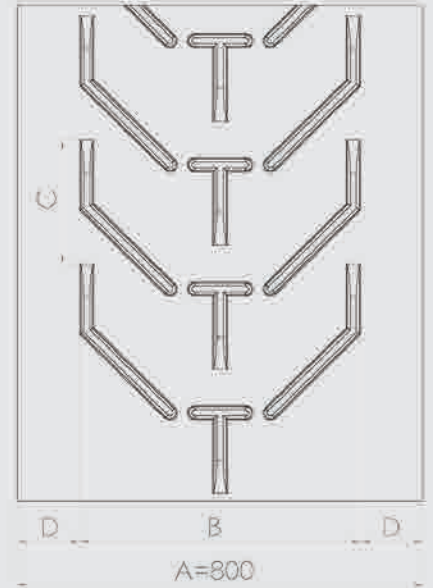
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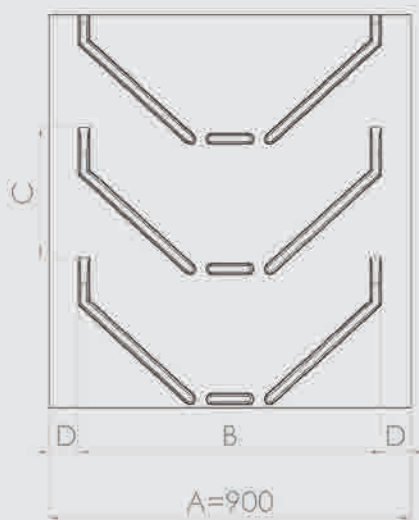
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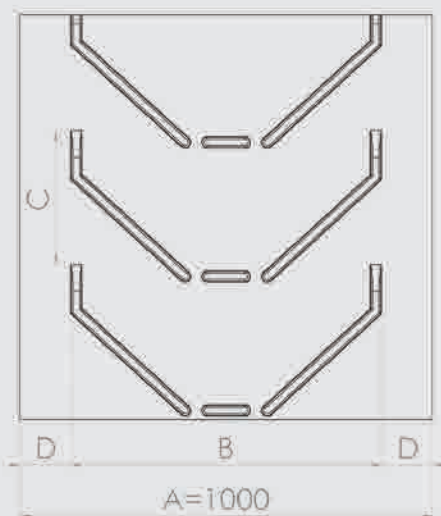
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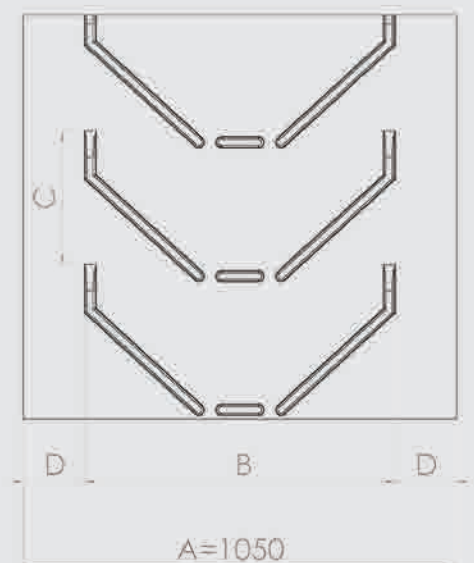
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C25P750/1000

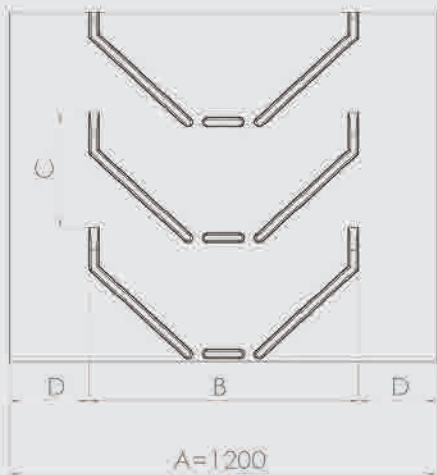


C25P750/1050



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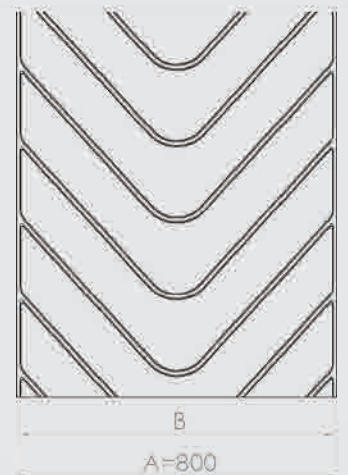
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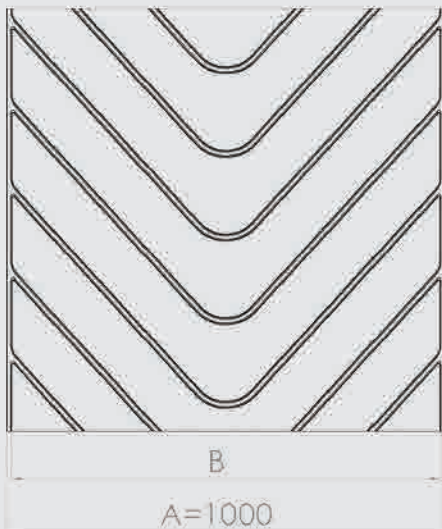
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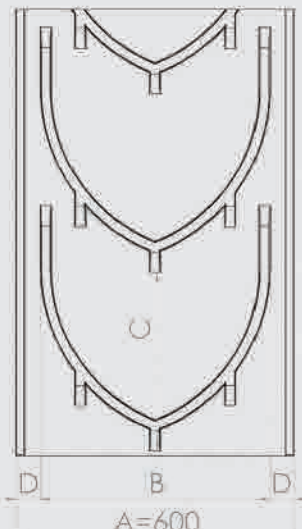
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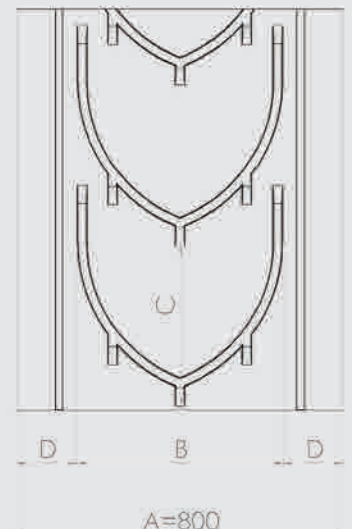
IBERICA/1000



LADES/600



LADES/800



# Rubber Sheets

Rubber-based rubber sheet is a flexible material vulcanized from combination of natural rubber, synthetic rubber and special chemicals and used in production of gaskets providing sealing between surfaces of two components cross-connected and tightened. Its resistance can be further increased by adding fabric carcass material in for certain purposes when required.

## **Rubber Sheet with or without Fabric**

They are produced in various thicknesses from 1 mm to 10 mm. they are used in floorings, water and sewage piping gaskets, sealing elements, gasket requirements, and places requiring isolation and insulation. Standard production is at 1000 mm width x 2000mm length dimensions. Please contact us for different dimensions.

## **Neoprene Rubber Sheet**

Its greatest property is flame resistance. It is resistant to acidic environments and atmospheric aging.

## **Nitrile Rubber Sheet**

Nitrile rubber sheet is highly resistant to fuel oil and petroleum. Can be easily used at temperatures from -15°C to 110°C. This temperature can be increased up to 130°C using special formulas.

## **EPDM Rubber Sheet**

It is used in environments where hot materials are used. They are resistant to temperatures from -50°C to 160°C. It has good resistance to acid, oxygen and water.

# Rubber Sheets

## Dielectric Rubber Sheet (Dielectric Rubber Mat)

### Areas of Usage

Dielectric sheets are used in power plants, transformer centers, and all kind of working environments with low or high voltage.

### Specifications

- Such type of sheets is basically intended to provide electrical insulation. Dielectric sheets are mainly produced at 3mm thickness and 17000 volt or 5mm thickness and 36000 volt. Sheets are produced and tested according to IEC 61111 standards.

CLASS 2/3mm	17000 volt Dielectric Rubber Sheet
CLASS 4/5mm	36000 volt Dielectric Rubber Sheet



# Elevator Belts

Flat belts produced using a special technique and onto which elevator buckets are connected are called elevator belts. These belts are produced using a different system than conveyor belts. Unlike conveyor belts, these belts do not usually have thick rubber coating on. Therefore, carcass material used is highly special.

Since holes opened on elevator belts to attach buckets would decrease resistance, belts are manufactured by calculating resistance depending on their length. For your elevator belt needs, Kale Conveyor Belts Sales Service will recommend you the best elevator belt for you.



# Side Skirts

Side Skirt is a rubber material to prevent materials from going out of conveyor line. They are produced at various thicknesses, widths and lengths as requested by customers.







# **KALE**

## **CONVEYOR**



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