



ASbelt

"Conveying you to Quality"



catalogue

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2007/1. Edition

COMPANY PROFILE

Our company, established in 2002, aims to meet needs of its customers with an excellent service approach. **ASbelt** provides various PVC and PU conveyor belts and flat transmission belts for different industries such as textile, printing, paper, marble, food, automotive, logistic and airport ground support services. Our company is also manufacturer and seller of some machineries which are used for different belt applications.

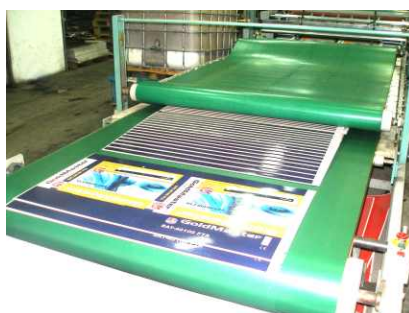
ASbelt embraces a philosophy which targets to meet needs of its customers properly with the help of new developing technologies. Day by day, our company increases its market share in local market and various regional markets by employing new agencies. These agencies were established with the aim of being closer to our customers and to answer their needs on time.

Our agency network is not limited with only Turkish local market. The process also goes on in different region and countries. We address international markets by co-operation agreements signed with different companies.

Lastly, we would like to emphasize that **ASbelt** prefers long term mutual business co-operations instead short term daily relations.



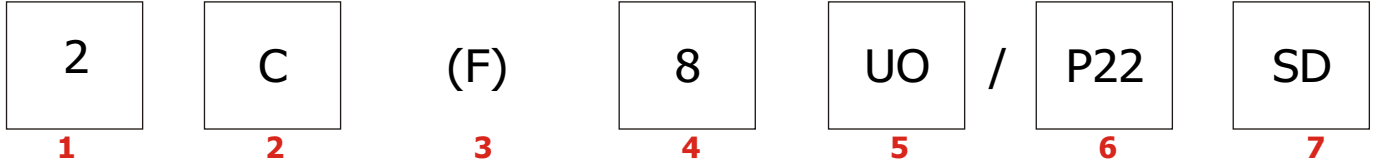
AIRPORT GROUND SUPPORT SERVICES
 AUTOMOTIVE INDUSTRY
 CANNED FOOD INDUSTRY
 CARTON BOX FOLDING INDUSTRY
 FOOD INDUSTRY
 FRUIT INDUSTRY
 FITNESS CENTERS
 FOLDER-GLUER MACHINERIES
 INTEGRATED MEAT ESTABLISHMENTS
 LOGISTIC
 MARBLE, GRANITE & CERAMIC INDUSTRY
 PACKING INDUSTRY
 PACKING MACHINERIES
 PAPER INDUSTRY
 PRINTING MACHINERIES
 NUT MANUFACTURERS
 SHELVING INDUSTRY
 TEA MANUFACTURERS
 TEXTILE MACHINERIES
 WOOD & FURNITURE INDUSTRY
 YARN INDUSTRY



EXPLANATION OF BELT CODES

Our PVC and PU belts differ in some respect like colour, thickness, surface pattern, and using area. For this reason, we define our product range with a formulation. Explanation to our formulation as follows:

Sample



1) It shows the number of plies (1-2-3-4).

2) It shows using area of the belt

C: PVC for general non-food transport

F: PVC for food transport

PU: Polyurethane for food transport

PE: Polyolephine for tobacco

3) If used, it shows that the belt is manufactured from flexible fabric.

4) It shows the elongation of the belt per mm. 8 N/mm

5) Bottom surface specification:

UO: Textile bottom

LN: Low noise fabric

GD: Squares smaller than 0.7mm.

P5: 0,5mm coated bottom

6) It shows top surface material and total thickness of the belt

P: Green / Petrol Green/ Black PVC (65° shore)

V: White and Blue PVC (70° shore)

U: White Polyurethane

F: Polyolephine

7) It shows top surface pattern of the belt (see page 7!)

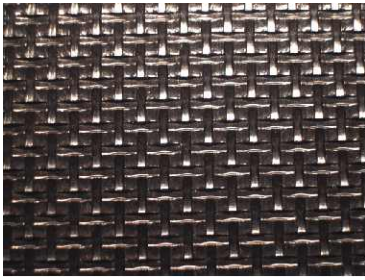
SD: Sepet Desen
TD: Testere Desen
MS: Mat Surface
GD: Goret Desen
PD: Puanlı Desen

CD: Çizgi Desen
ND: Nokta Desen
SG: Süper Grip
BS: Balık Sırtı
DD: Damla Desen

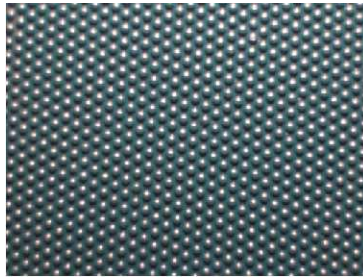
MD: Merdiven Desen
PY: Pürüzlü Yüzey
KD (30x30): Kare Desen
KD (60x60): Kare Desen
LG: Low Grip

BELT SURFACE SHAPES

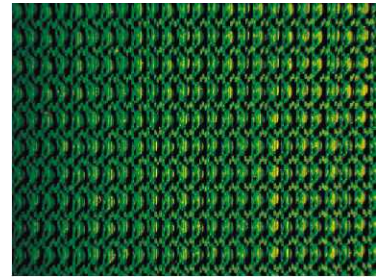
Belt surface shapes show some differences according to their application area and carried goods as well as structure of the conveyor. Different belt surfaces in **ASbelt** as follows:



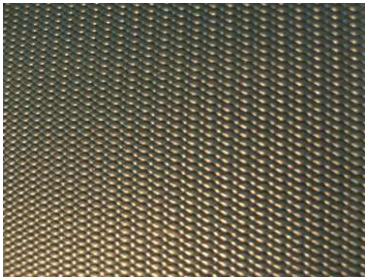
(SD)



(ND)



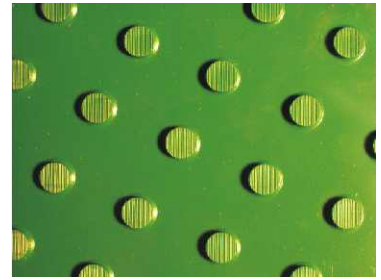
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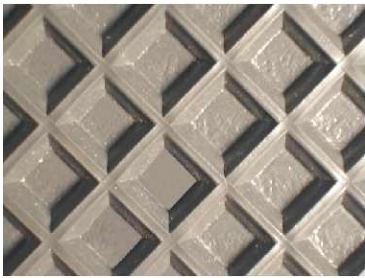
(LG)



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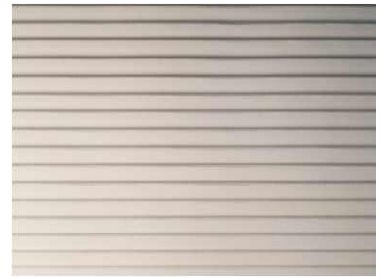
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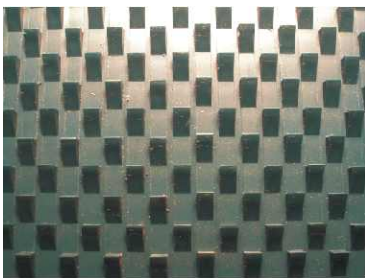
(KD 30x30)



(CD)



(MD)



(TD)



(KD 60x60)



(PY)



(GD)



(DD)

BELT CODES

PVC GENERAL TYPE

CODE	COLOR	THICKNESS	WEIGHT	MIN. DIAMETER	ELONGATION (%1)	TEMPERATURE	
						(-)	(+)
1 C 6 U0/P 10	PETROL	1	1,1	20	6	-10	70
1 C 6 GD/P 14	PETROL	1,4	1,5	20	6	-10	70
2 C 8 U0/P 20	PETROL	2	2,2	35	8	-10	70
2 CF 10 U0/P 20	PETROL	2	2,2	35	10	-10	70
2 C 8 U0/P 30 ND	PETROL	3	2,4	40	8	-10	70
2 C 8 U0/P 25 SD	PETROL	2,5	2,4	40	8	-10	70
2 C 8 U0/P 30 CD	PETROL	3	2,4	40	8	-10	70
2 C 8 P5/P 25	PETROL	2,5	2,8	35	8	-10	70
2 CF 10 P5/P 25	PETROL	2,5	2,8	35	10	-10	70
2 C 12 GD/P 30	PETROL	3	2,8	50	8	-10	70
2 C 10 U0/P 26	PETROL	2,6	2,8	50	10	-10	70
2 C 12 LN/P 54 SG	PETROL	5,4	4,4	60	12	-10	70
2 C 12 U0/P 30	PETROL	3	3	60	12	-10	70
3 C 18 U0/P 40	PETROL	4	4,4	80	18	-10	70
2 C 35 U2/P 60 LG	PETROL	6	6,6	200	35	-10	70
3 C 50 U2/P 70 LG	PETROL	7	7,7	300	50	-10	70
4 C 70 U2/P 90 LG	PETROL	9	9,9	400	70	-10	70
3 C 50 U2/P 130 TD	PETROL	13	14	400	70	-10	70
2 C 8 FLN/P 20 MS	BLACK	2	2,2	35	8	-10	70
2 C 8 FLN/P 20 PY	BLACK	2	2,2	35	8	-10	70

PVC AIRPORT PROGRAMME

CODE	COLOR	THICKNESS	WEIGHT	MIN. DIAMETER	ELONGATION (%1)	TEMPERATURE	
						(-)	(+)
2 C 8 LN/P 20 MS	BLACK	2	2,2	35	8	-10	70
2 C 12 LN/P 30 MS	BLACK	3	3,3	60	12	-10	70
2 C 10 LN/P 26 MS	BLACK	2,6	3	40	10	-10	70
2 C F10 LN/P 26 PY	BLACK	2,6	3	40	10	-10	70
2 C 12 LN/P 54 SG	BLACK	5,4	4,2	60	12	-10	70
2 C 10 LN/P 26 SD	BLACK	2,6	3	40	10	-10	70
2 C 8 U0/P 70 KD(60x60)	BLACK	7	7	60	8	-10	70
2 C 12 LN/P 30 CD	BLACK	3	3,2	60	12	-10	70

BELT CODES

PVC FOR FOOD

CODE	COLOR	THICKNESS	WEIGHT	MIN. DIAMETER	ELONGATION (%1)	TEMPERATURE (-) (+)
1 F 6 U0/V 10	WHITE	1	1,2	20	6	-15 80
1 F 6 GD/V 14	WHITE	1,4	1,2	20	6	-15 80
2 F 8 U0/V 20	WHITE	2	2	40	8	-15 80
2 F 8 V5/V 25	WHITE	2,5	2,2	40	8	-15 85
2 F 10 U0/V 26	WHITE	2,6	2,8	50	10	-15 80
2 F 10 U0/V 24 GD	WHITE	2,4	2,8	50	10	-15 80
2 F 12 GD/V 30	WHITE	3	2,8	50	10	-15 80
2 F 12 U0/V 30	WHITE	3	3	60	12	-15 85
3 F 18 U0/V 40	WHITE	4	4,5	80	18	-15 80
2 FF U0/V 0-20	WHITE	2	2,2	35	10	-15 80
3 FF U0/V 0-30	WHITE	3	2,2	35	10	-15 90
2 F U0/V 0-18	WHITE	1,8	2	30	10	-15 90

POLYURETHAN TYPE

CODE	COLOR	THICKNESS	WEIGHT	MIN. DIAMETER	ELONGATION (%1)	TEMPERATURE (-) (+)	FDA
1 PU 6 U0/U 07 MS	WHITE	0,7	0,8	5	6	-20 90	✓
1 PU 6 U0/U 10 MS	WHITE	1	1,2	8	6	-20 90	✓
2 PU 12 U0/ U 14 MS	WHITE	1,4	1,4	15	12	-20 90	✓
2 PU 12 U0/ U 15 MS	GREEN	1,5	1,7	25	12	-20 90	✓

POLIOLEFIN TYPE

CODE	COLOR	THICKNESS	WEIGHT	MIN. DIAMETER	ELONGATION (%1)	TEMPERATURE (-) (+)	FDA
1 PE 6 0/F 11	TRANSP	1,1	1,4	50	6	-10 60	✓
2 PE 10 0/F20	TRANSP	2	2,3	100	10	-10 60	✓
2 PE 10 0/F50 DD	TRANSP	5	3,5	100	10	-10 60	✓
2 PE 10 0/F27	TRANSP	2,7	2,6	100	10	-10 60	✓

CONVEYOR BELTS FOR GENERAL TRANSPORTING/GENEL AMAÇLI KONVEYÖR BANTLARI

Invention of conveyor belts goes back to the early beginning of the 20th century. In 1901, Sandvik, one of the most important technology companies in Sweden, invented and started production of the first steel conveyor belts. However, the essential development came in 1913 when Henry Ford introduced conveyor belt-based assembly-line in Ford Motor Company's Rouge factory in Dearborne Michigan. From 1901 till today, conveyor belts become indispensable devices of industrial production with new technological inventions.

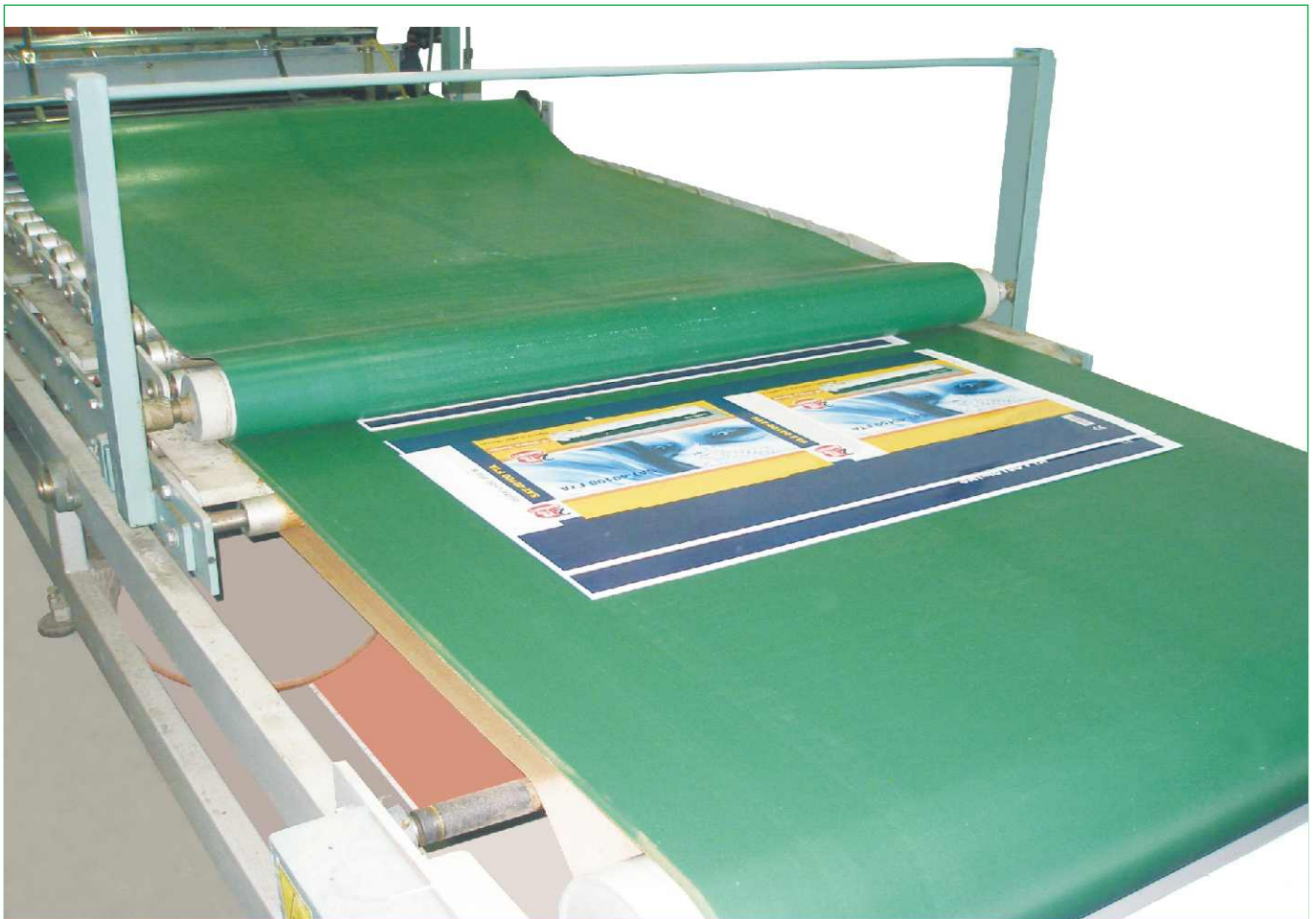


A simple conveyor belt consists of two pulleys, with a continuous loop of material that rotates about them. The pulleys are powered by engine to carry the goods in one direction. They move the belt and the material on the belt forward.



Conveyor belts are widely used to transport industrial goods in various sectors. These belts are designed to carry the goods from a certain point to another point in one direction. With the same consideration, our company, **ASbelt**, produces different products for the market. Depending on the application, these products can be flat surface or different surface pattern. Moreover, upon customer request, guide, profile and sidewall applications are also done by our professional technical team.

1. **Low elongation textile fabric carcass:** Resistant to elongation
2. **Stable dimension:** No deformation within tolerated heat and tension
3. **Low Noise:** Working with low noise level
4. **Low drum diameter:** Working with low drum diameter
5. **Nature of belt:** Flexible and rigid types upon customer request
6. **Light weight:** Light weight compared to rubber belts
7. **Economic life time:** Long life because of resistant to abrasion



BELTS FOR MARBLE, GRANITE & CERAMIC INDUSTRY

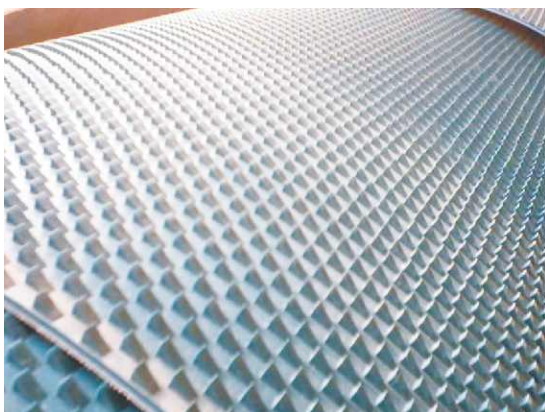
In marble-granite & ceramic industry, belts are used for polishing, grinding and cutting processes.



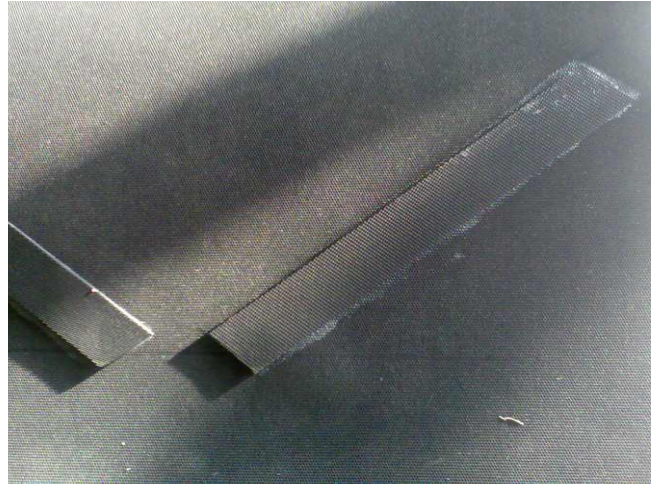
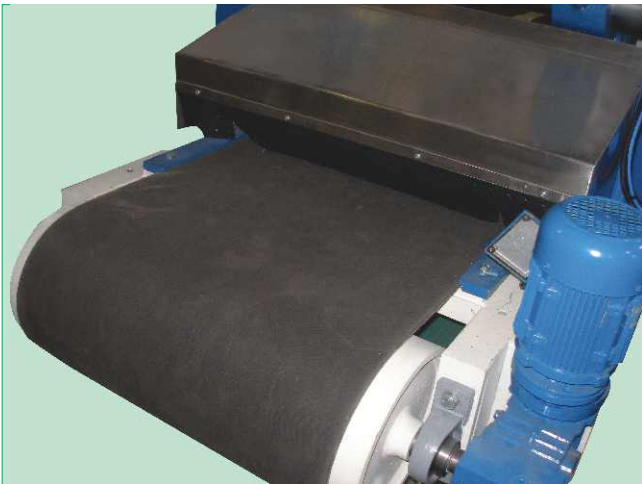
Below chart indicates thickness and min. pulley diameters for marble belts.

Specs and Codes for Marble Belts

BELT CODE	NUMBER OF PLY	COLOUR	THICKNESS	MIN. PULLEY DIAMETRE	ELONGATION %1	MAX. WIDTH
2 C 35 U2 / P 60 ND	2	PETROL	6mm	200mm	35	2100 mm
3C 50 U2 / P 90 ND	3	PETROL	7mm	300mm	50	2100 mm
4C 70 U2 / P 90 ND	4	PETROL	9mm	400mm	70	2100 mm
3C 50 U2 / P 130 TD	3	PETROL	13mm	300mm	50	2100 mm
TRIMMING BELT	2	BLACK	10mm	250mm	60	Upon Request

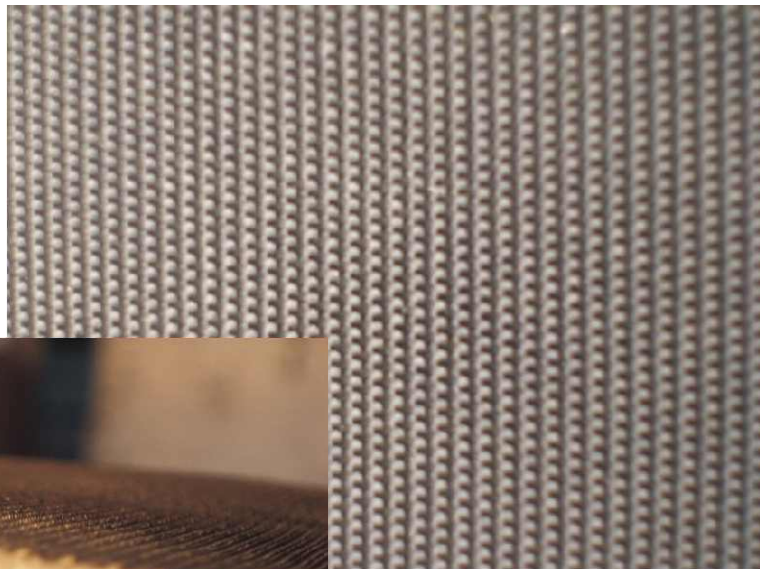


Besides standart belts, our company manufactures a high standart special (**ASbelt** Trimming) belt for trimming and multi disc cutting machines.



Specs of **ASbelt** Trimming Belt

It is such a belt that has a 5mm rubber surface laminated on 6mm. PVC bottom layer. The belt provides a long term efficiency and usage to our customers. The belt gives another opportunity to our customers during the marble cutting process. When sharp cutting knives cut the belt surface more than 3mm., due to thick rubber top surface the bottom PVC layer do not get any damage. Additionally, the top surface is designed especially as rough surface to give the water better fluidity and to keep stones straight. Therefore, the belt gives high performance during the trimming process.



Top surface of **ASbelt** trimming belt

Plies of **ASbelt** Trimming belt

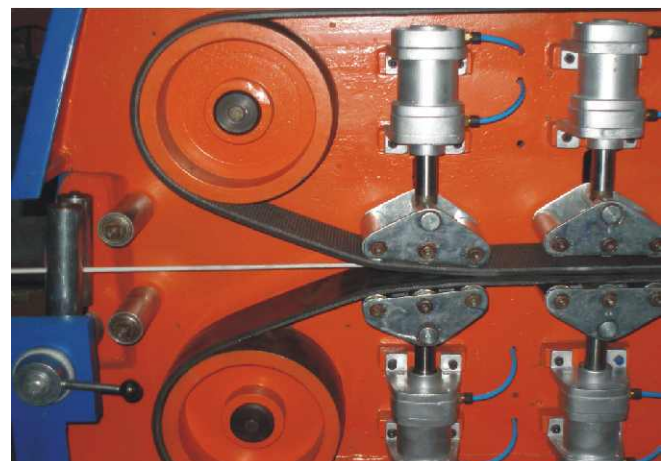
AIRPORT BELTS

ASbelt manufactures different type of belts for check-in, x-ray systems, aircraft loading, baggage collecting systems and curve belts to meet the need of airport ground services.



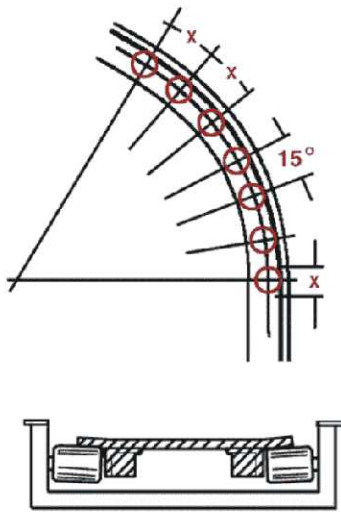
BELTS FOR CABLE INDUSTRY

This belt is used in the extrusion process of cables and plastic pipes. The belt performs silent operation with high speed. For joining the belt, we use the same previously mentioned methods.



CURVE BELTS

Curve belts solve the logistic problems giving a certain inclination to the belt on turnings. The most important characteristic of these belts is to carry the goods from a point to another point by saving place.

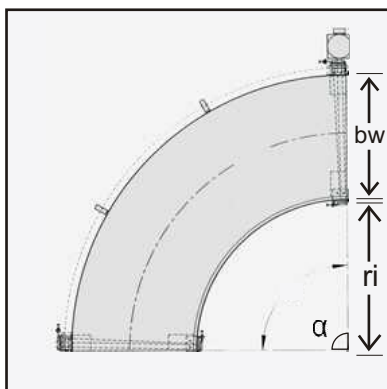


Curve belts might be used in different angles and inclinations.

Chart of Width and Working Angles

Inner Radius	(ri)	(mm)	300	500	700	1000			
Belt Width	(bw)	(mm)	300	400	500	600	700	800	1000

For nonstandart diamentions, please ask our technicians!



Belt surface can be PVC or PU. These differences depend on using area. Curve belts are used in a wide range of sectors such as chemical industry, printing industry, food industry, automotive industry, airport ground services etc.

SUPER MARKET CASHIER BELT

The belt is used in super market cashiers. The bottom fabric of the belt has low noise and anti-static specifications.



BELT FOR TREADMILL

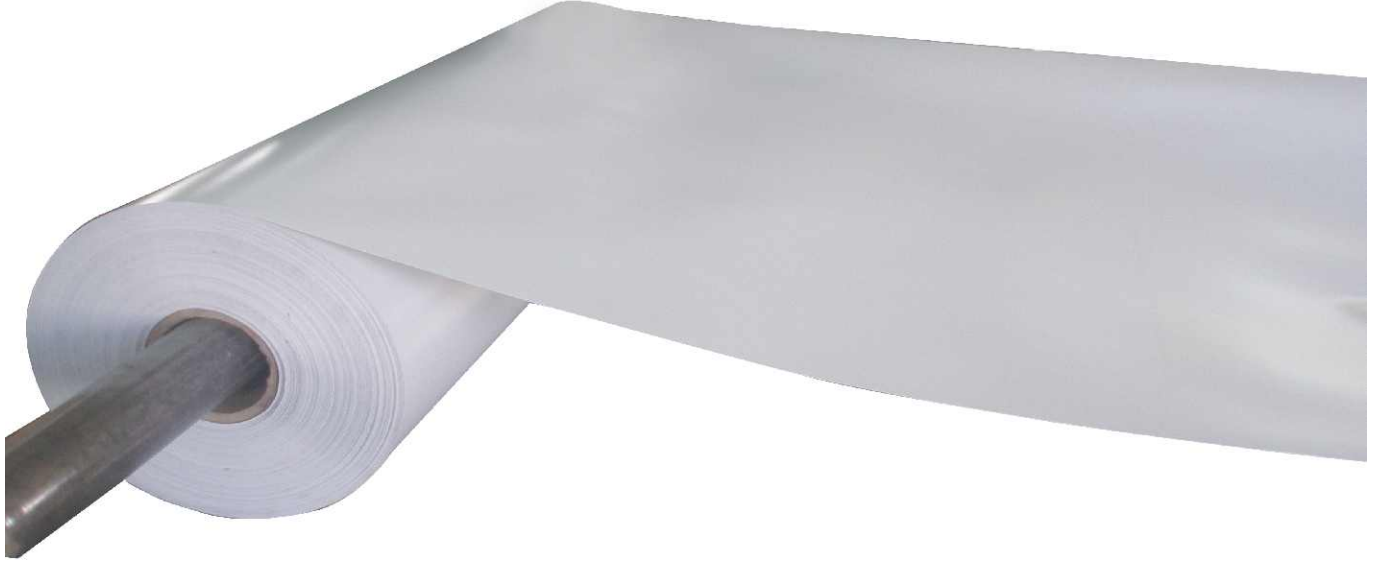
ASbelt manufactures belt for treadmill to meet the need of fitness centers. The belt has a PVC rough surface. Additionally, it has a low noise and anti-static bottom surface fabric.



POLYURETHANE (PU) BELTS/POLÜRETAN BANTLAR

PU belts are mostly used in food industry where FDA approved belts are generally required. Technically, due to its anti-microbial structure, PU belts do not contaminate any destructive toxin or chemicals. Therefore, PU belts are extensively used in integrated establishments for food. They are seen in factories such as chocolate, confectionary, spaghetti etc.

By different roll widths, PU belts are manufactured in **ASbelt** according to customer requests.

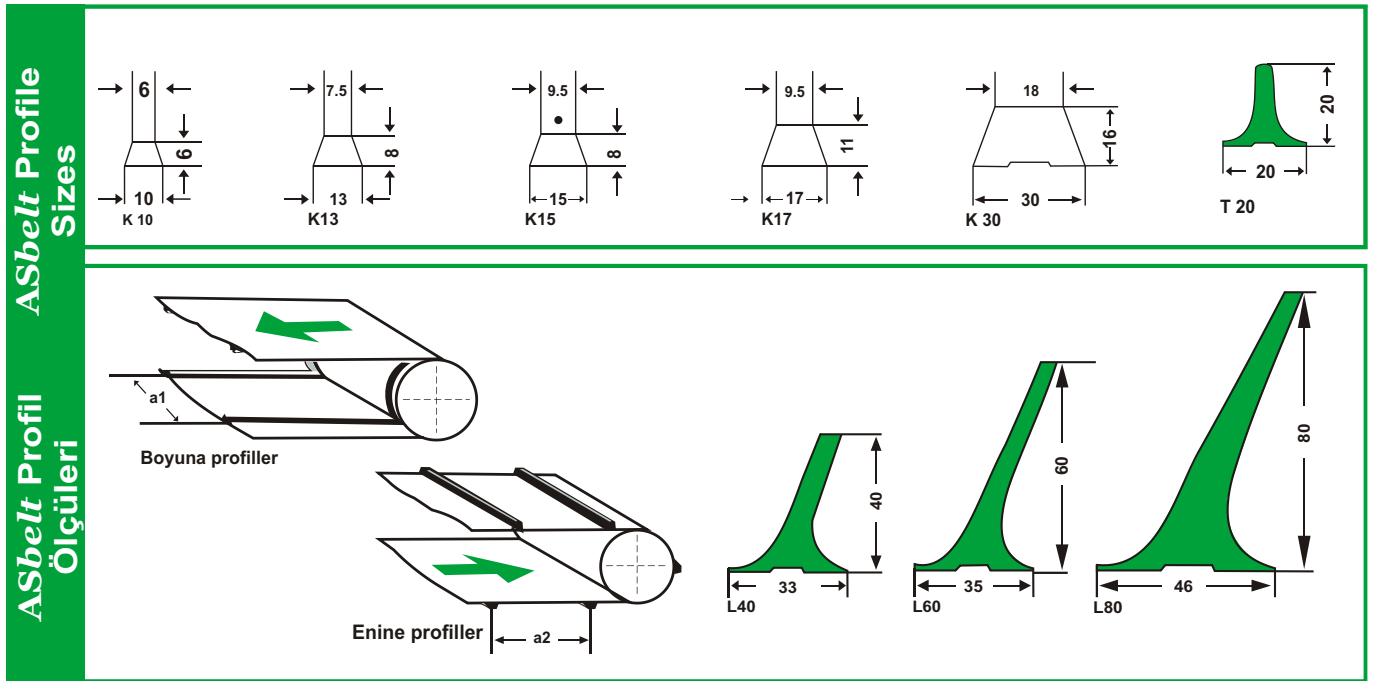


BELT CODE/ BANT KODU	USING AREA/KULLANIM ALANLARI
1 PU 6 U0/U 07 MS	Various conveyors in the cooling tunnels Soğutma tünellerindeki değişik konveyörlerde
1 PU 6 U0/U 10 MS	Conveyors at the exit of cooling tunnels Soğutma tüneli çıkışlarındaki konveyörlerde
2 PU 12 U0/U 14 MS	Conveyors for transporting Taşıma amaçlı konveyörlerde

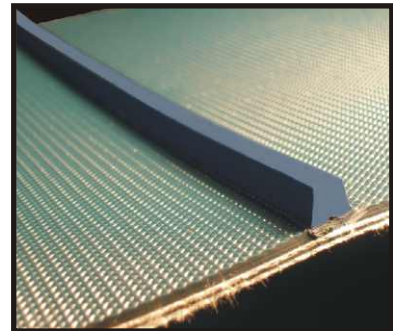
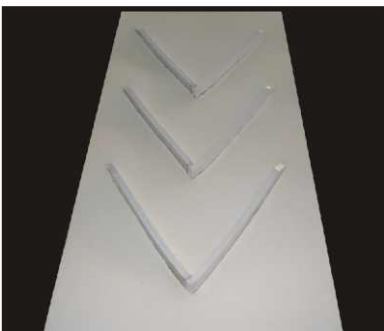
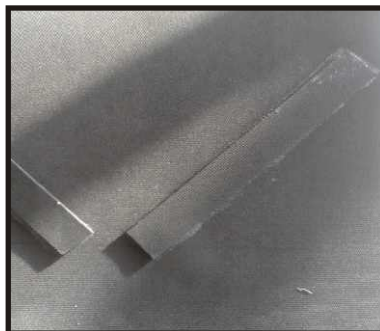
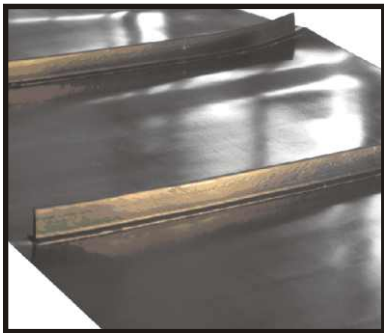
During the joining process of PU belts, we suggest you to use folio or PU powder with appropriate heating degree.



PROFILE AND SIDEWALL APPLICATIONS



Profiles are produced by extrusion method on standard dimensions in **ASbelt**. Profiles can be placed to sides of the belt on the upper surface or back surface or to center of the belt at the back surface according to the customer demand.



Lengthwise Profile Applications

Lengthwise profiles which are assembled to back side of belt prevents gliding due to transverse strength during the belt working.

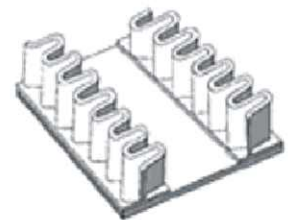
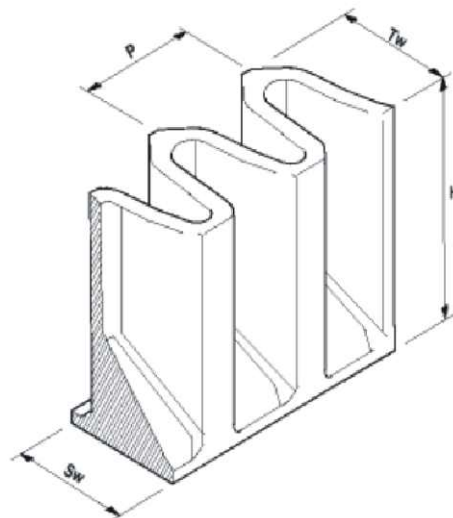
Belt glide can be prevent just with the prop rolls or intervention in the border of the prop plates. To give direction by force with the rolls or bordering bars placed on the side of system which can damage the belt is inconvenient. The belts which are on or near of the Driver or Power Pulleys must not receive to the transverse strength.

Trapezoid pulleys provide direction on the belts. Profile channels which are on pulleys must be 2-3mm wider than the profile base width. In this way, both the belts are directed and profiles work without eroding.

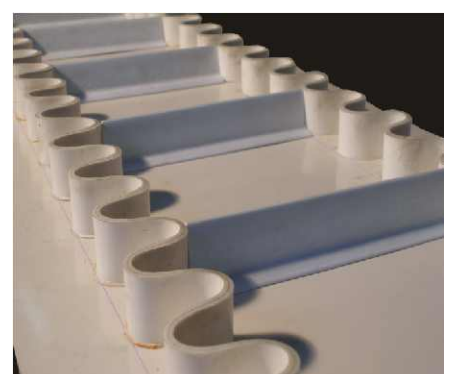
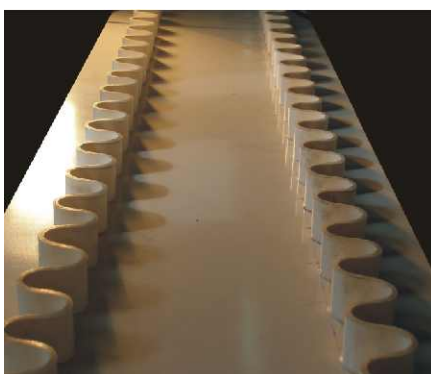
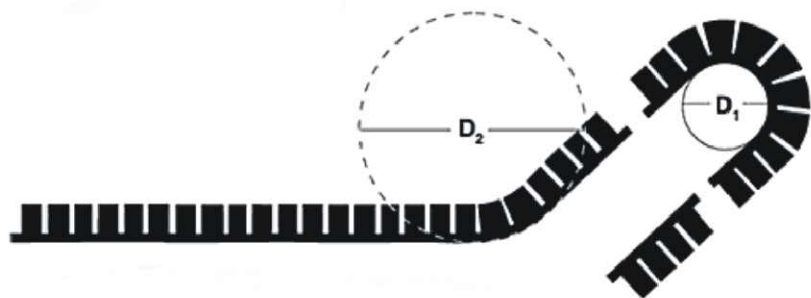
Sidewall

SIDEWALL CODES

- SW 30
- SW 40
- SW 50
- SW 60
- SW 80
- SW 100



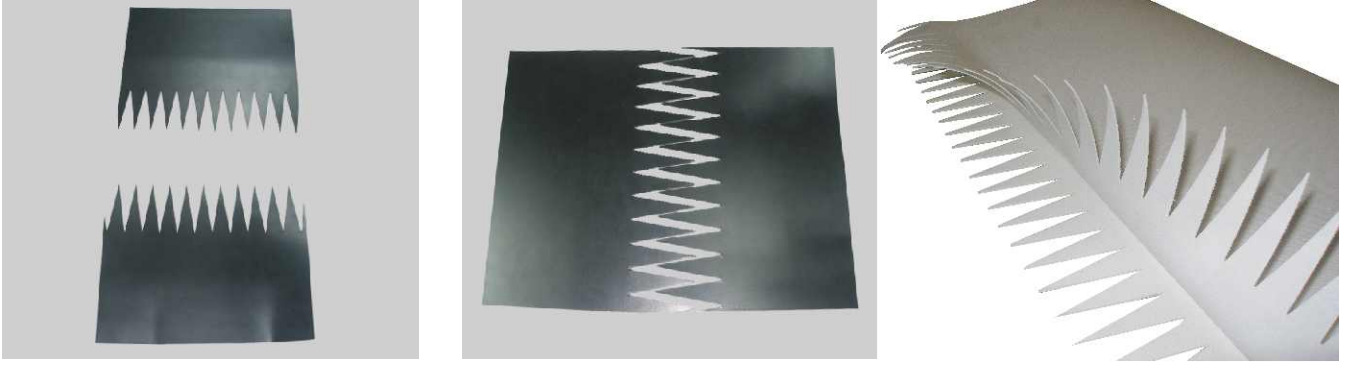
Please note that pulley diameter must be treble size bigger than sidewall size



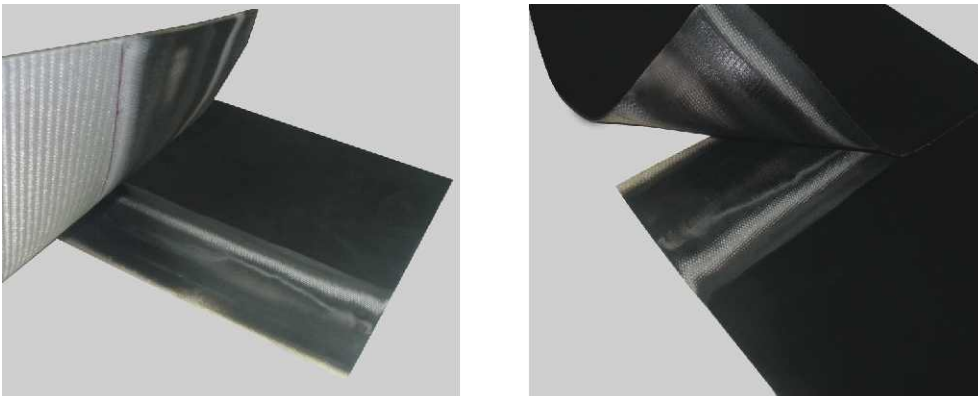
SPLICING APPLICATIONS

Belt splicing process is made in three different types in our company.

1) Finger Joining Method: This type of compression is the most common method. Triangle nails are cut on the surface of the belt ends with the help of the Punching Machine. Double finger cutting system can also be applied with this application.



2) Splitting Method: This method is an application which requires a longer period of time than the other methods. The belt ends are made thinner by skiving and then hot welding press is applied.



3) Fastener Method: This type of joining is applied for special inquiries. Fastener elements are placed on the belt end with screwing. Since fastener types differ according to the belt thickness, for your needs please contact with our technicians!



Specs of Welding Press



SPECIFICATIONS:

- 1- MAX PRESSURE : 3 BAR
- 2- SUGGESTED WORKING PRESSURE : 2 - 2,5 BAR
- 3- ELECTRICAL SYSTEM : 3 PHASE
- 4- DIGITAL TEMPERATURE DISPLAYED : AVAILABLE
- 5- BUCKET WITH WATER PUMP : INCLUDED

Asbelt Press Features:

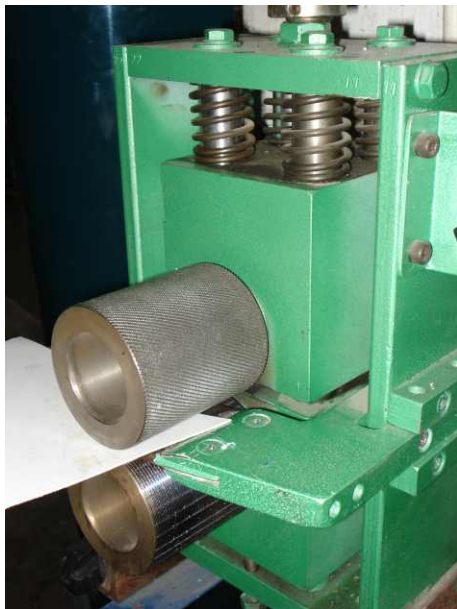
- Easy and effective designed for the compression of PVC and PU belts
- Made of aluminium in suitable dimensions and weights
- Press disks are designed individually for heating and cooling.
- Digital temperature indicator
- Max. Temperature 200°C
- Immobilized airbag pressure

Code	Height	Heating Plate
WP500	350	150 x 550
WP800	350	150 x 850
WP1000	350	150 x 1050
WP1200	350	150 x 1250
WP1600	350	150 x 1650
WP2400	350	150 x 2450
WP3200	700	150 x 3250
WP4000	700	150 x 4050



CUTTING MACHINE

- * Different speed settings
- * Multi cutting option
- * 3,5 mm width
- * Sensitive cutting



SPLITTING MACHINE

SM 105

- * 110 mm splitting size in width of a belt
- * It is used for 1,5 mm - 6 mm thickness to open fingers or step jointing

PUNCHING MACHINE

With different knife sizes, it gives the opportunity to make 90 and 75 jointing end

Code	Length	Width
PM1200	1000	1200
PM1400	1000	1400



ASbelt FLAT TRANSMISSION BELT

Our **ASbelt** labeled products which are tangential and flat transmission belt, are produced as a roll in the dimensions of 500mm width and 100mt.-125mt.length.

Transmission belts which is cut from the rolls, despatch to the customer after the confection process which is applied according to customer demand.



Flat transmission belts are used on the machines which necessitate motion and power conveyance.



AS Series



AS LT-ASLL Series



ACT Series

TANGENTIAL AND TRANSMISSION BELT CODES

TANGENTIAL AND FLAT BELT

CODE	THICKNESS	ELONGATION (%1)	MIN. PULLEY DIAMETER	COLOR
AS 14	1,8	14	25	GREEN-YELLOW
AS 14.1	2	14	25	GREEN-YELLOW
AS 20	2,1	23	60	GREEN-YELLOW
AS 20.1	2,2	23	60	GREEN-YELLOW
AS 25	2,3	25	60	GREEN-YELLOW
AS 25.1	3	25	60	GREEN-YELLOW
AS 32	3	32	100	GREEN-YELLOW
AS 32.1	3,2	32	100	GREEN-YELLOW
AS 39	3,2	39	120	GREEN-YELLOW
AS 39.1	4	39	120	GREEN-YELLOW
AS 45	3,5	45	150	GREEN-YELLOW
AS 45.1	4	45	150	GREEN-YELLOW
AS OE	2,6	32	100	BLACK - BLACK

SPINDLE TAPES

CODE	THICKNESS	ELONGATION (%1)	MIN. PULLEY DIAMETER	COLOR
AS T-5	0,8	4	10	GREEN-YELLOW
AS T-55	1	5	15	GREEN-YELLOW

MACHINE TAPES

CODE	THICKNESS	ELONGATION (%1)	MIN. PULLEY DIAMETER	COLOR
AF-0	1	4	15	GREEN-GREEN
AF-1	1,2	8	25	GREEN-GREEN
AS 08	0,8	8	15	GREEN-GREEN
AS -1	1,7	10	25	GREEN-GREEN
ACR 5	2,5	14	25	BLUE - GREEN
ACR 10	2,8	25	60	BLUE - GREEN

FOLDER GLUER BELTS

CODE	THICKNESS	ELONGATION (%1)	MIN. PULLEY DIAMETER	COLOR
ACT 30	3	8	30	BLUE-BLUE
ACT 40	4	8	40	BLUE-BLUE
ACT 50	5	8	50	BLUE-BLUE
ACT 60	6	12	75	BLUE-BLUE
HT 1000	4,8	25	60	BLUE-BLUE
HT 1500	7,3	39	120	BLUE-BLUE

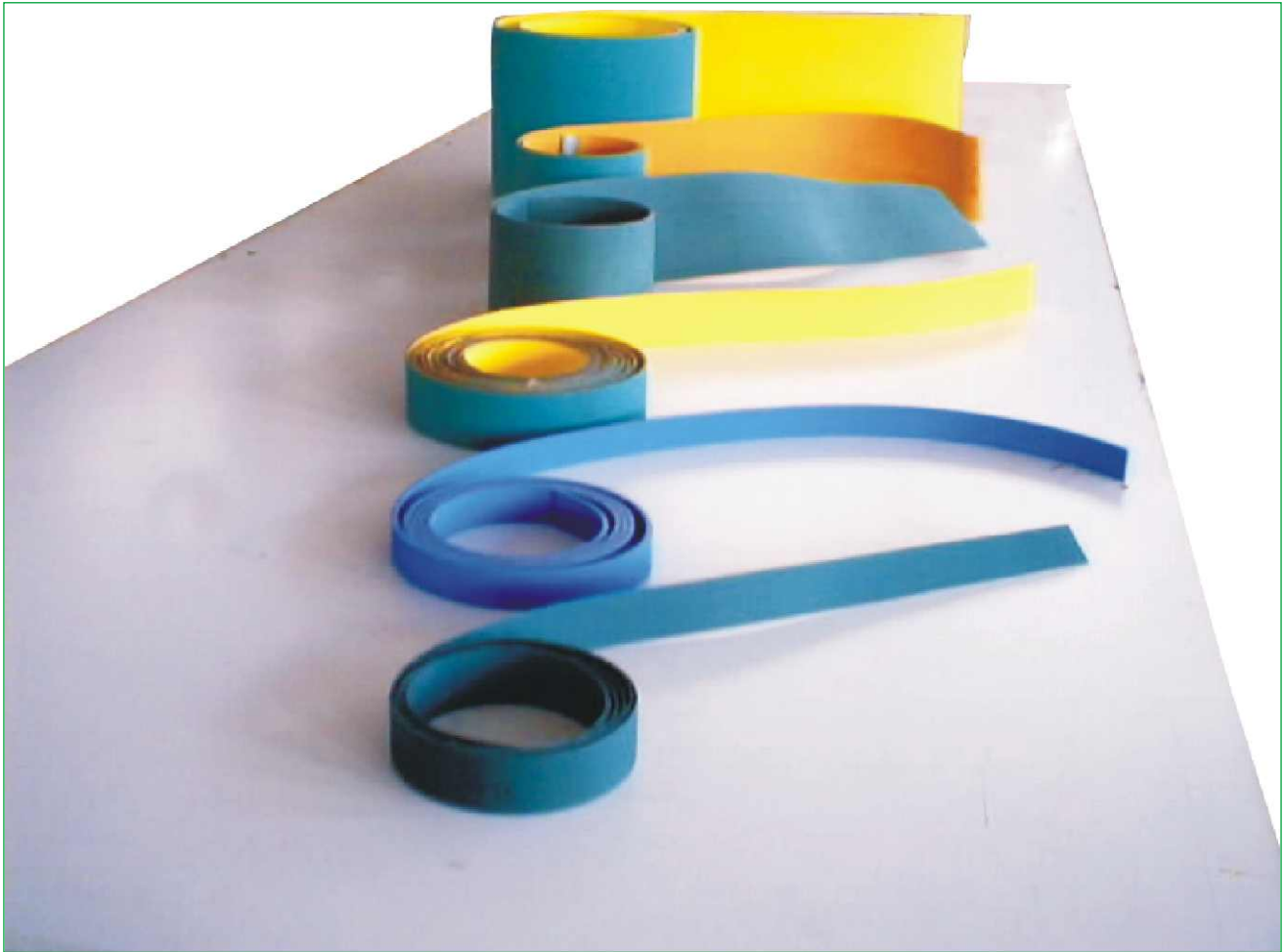
LEATHER BELTS

CODE	THICKNESS	ELONGATION (%1)	MIN. PULLEY DIAMETER	COLOR
AS LT 10	2	10	50	GREY-GREEN
AS LT 14	2,8	14	60	GREY-GREEN
AS LT 20	3,5	20	75	GREY-GREEN
AS LT 28	4	28	120	GREY-GREEN
AS LT 40	5	40	150	GREY-GREEN
AS LL 10	2,5	10	50	GREY-GREY
AS LL 14	3	14	60	GREY-GREY
AS LL 20	3,5	20	75	GREY-GREY
AS LL 28	4,3	28	120	GREY-GREY
AS LL 40	5,5	40	150	GREY-GREY

USING AREA and MAINTENANCE of TANGENTIAL AND FLAT TRANSMISSION BELTS

Field of Application:

High speed engine, carton box folding and gluing, paper-tube manufacturing, roller conveyor.



Advantages / Characteristics:

- a) More thick covering on both side which is enduring to the abrasion
- b) Most powerful Poliamid as innerlayer metarial
- c) High enduring to the abrasion / perfect flexibility
- d) Anti-static

Upper surface covering : 1- NBR 2-XNBR
Non-stop working / Periodic working -20 +60 -20 +60
Endurance : Oil, hard oil, damp, fume, dust.
Weakness : Phenol, concentrated acid, naphta, alcohol paraffin oil, petrol, acetone.



Flat Transmission Belt Maintenance:

Necessities which must not be used:

Items which were given under the "Weakness" title must not be used on the flat transmission belt.



Necessities which must be used

74,785

- a) Trikloretalen (It must be used with a dewy pack, not heartily)
- b) Hot water
- c) Soapy water



NAS Series



AS LT Series

Asbelt MACHINE EQUIPMENTS FOR FLAT TRANSMISSION BELTS

WELD ING PRESS FOR TRANSMISSION BELTS



Code	Size
FWP120	120 x 120
FWP300	150 x 320

SKIVING MACHINE



Code	Size
SWM100	110
SWM300	330

CUTTING MACHINE



Code	Height	Cutting Width	Table Width
CM300	1300	300	300

 **ASbelt**

 **ASbelt**

 **ASbelt**

 **ASbelt**

 **ASbelt**

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