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**PIROOZ**  
**INDUSTRY**  
پیروز صنعت لیان

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Smart Catalog | 2023 -1.0



پیروز صنعت لیان  
**PIROOZ INDUSTRY**

**2023** General Catalog

Select The Desired Option:



**Products.**



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## PIROOZ INDUSTRY

پیروز صنعت لیان

Manufacturer of Industrial,  
Agrocultural and Automotive Belts



- 1980-Establishment of Pirooz store in Rahe-Ahan Square
- 1982-Start importing belts to Iranian auto market
- 1984-Establishing Pirooz store in Tehran spare parts market
- 1988-Obtaining exclusivity of HANCHANG for Iran once the HANCHANG factory was establish in South Korea
- 1990-Presenting Korean HANCHANG belts and OPTIBELT Germany
- 1995-Establishing Pirooz new shop in Tehran
- 1998-Allocating of a 3000 square meter warehouse in Tehran's Khake- Sefid area to supply products
- 1999-Establishing the YANGSAN shop store in Tehran
- 2000-Establishing Roulands store in Tehran right after the Hanchang factory was taken over by Roulands Denmark
- 2006-Beginning of cooperation with CONTINENTAL Germany
- 2007-Obtaining HUTCHINSON France sole sale agency
- 2008-Allocating a new warehouse with an area of 7000 squaremeters
- 2019-Obtaining the official representative of Auto Motor France
- 2020-Founding PIROOZ INDUSTRY factory
- 2021-Starting the operation of PIROOZ INDUSTRY factory in February

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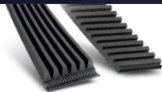
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Select The Desired Product Option:



**Industrial and  
Agricultural Belts**

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**Automotive  
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# Product Contents

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**CLASSICAL  
RAW EDGE COGGED V-BELTS**  
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**NARROW WRAPPED V-BELTS**  
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**NARROW RAW  
EDGE COGGED V-BELTS**  
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**BANDED WRAPPED V-BELTS**  
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**BANDED RAW  
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**VARIABLE SPEED BELTS**  
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## CLASSICAL WARPED V-BELTS

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## CLASSICAL WRAPPED V-BELTS

The classical V-belts are Temperature and Oil Resistant, Antistatic, Universal Belt Types With Good Power Transmission Capabilities.

Classical V-belts are Marked TS, Tolerance Stable, and Belts With The Same Number Can be Combined Into Matched Sets Without Sorting.

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## CLASSICAL WRAPPED V-BELTS

### APPLICATION:

Classical V-belts are all-round V-belt types with wide range of applications in agricultural and industrial machinery.

Classical V-belts provide a technically and economically good design for most ordinary drives.

### STANDARDS :

- Classical V-belts:
- ISO 4184, BS 3790, DIN 2215, ANSI/RMA
- IP-20, ASAE S 211.4 etc.
- Pulleys:
- ISO 4183, BS 3790, DIN 2211/1, DIN 2217/1,
- ANSI/RMA IP-20, ASAE S 211.4 etc.

Belt type	Top width (mm)	Heigh	Length range (mm)	Length range (inch)
Z	10	5.5	400-2432	96-16
A	12.5	9	407-7125	280-16
B	16.5	11	437-13173	519-19
C	22	14	997-13164	708-39
D	32	19	2430-13148	708-96
E	38	24	4014-13133	708-158



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## **CLASSICAL RAW EDGE COGGED V-BELTS**

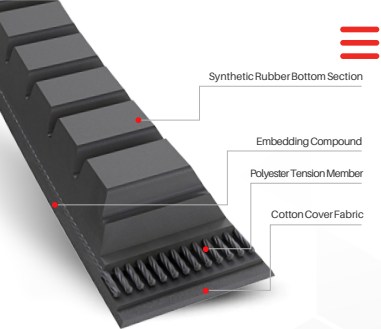
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## CLASSICAL RAW EDGE COGGED V-BELTS

REC is a raw-edge classical V-belt type with moulded cog which is temperature and oil resistant as well as antistatic. The belts are tolerance stable, TS, such that belts with the same section and length marking can be used immediately in matched sets.

The moulded cog provides high flexibility and a good fit in the pulley grooves as well as a lower operating temperature, which increases belt life.

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## CLASSICAL RAW EDGE COGGED V-BELTS

### APPLICATION:

REC is a new programme within classical V-belts; it has a wide range of applications, especially in industrial drives with high belt speeds and small pulley diameters.

This new programme allows immediate improvement of existing drives which use wrapped belts, providing overall benefits with regards to economy as well as power transmission and reliability of operation.

### STANDARDS :

- REC classical V-belts:
- ISO 4184, BS 3790, DIN 2215, ANSI/RMA
- IP-20 etc.
- Pulleys:
- ISO 4183, BS 3790, DIN 2211/1 , ANSI/RMA
- IP-20 etc.

Belt type	Top width (mm)	Heigh	Length range (mm)	Length range (inch)
ZX	10.3	8	455-3135	18 -124
AX	13	9	455-3135	18 -124
BX	17	11	460-3140	18 -124
CX	22.5	13	460-3140	18 -124



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## NARROW WRAPPED V-BELTS

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## NARROW WRAPPED V-BELTS

Narrow V-belts are resistant to temperatures and oil, and they are antistatic. The belt core, comprising the rubber compression zone which is resistant to intensive heat stresses and compressions as well as the power transmitting cord, is wrapped in a fabric cover that provides both protection against external influences and uniform friction against the pulleys.

The narrow V-belt is tolerance stable TS-manufactured and checked to comply with such exacting length tolerances that the belts can be used in matched sets without sorting.

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## NARROW WRAPPED V-BELTS

### APPLICATION:

Narrow V-belts are used in industrial and agricultural machineries.

They are especially suitable for drives with high belt speeds.

Narrow V-belts use up to %50 smaller pulley widths than classical sections, allowing more compact drives.

Since most new drives use universal pulleys, the classical belt can in most cases be replaced with a narrow V-belt, thereby achieving better power transmission and longer belt life.

### STANDARDS :

- Narrow V-belts:
  - ISO 4184, BS 3790, DIN 7753/1, RMA/MPTA
  - IP-22 STC.
- Pulleys:
  - ISO 4183, BS 3790, DIN 2211/1, RMA/MPT
  - IP-22 etc.

Belt type	Top width (mm)	Heigh (mm)	Length range (mm)	Length range (inch)
SPZ/3V	9.5	8	619-3540	24-139
SPA	12.7	10	914-7112	36-280
SPB/5V	16	13.5	1240-9368	49-369
SPC	22	18	1810-18000	71-708
8V25-N	26	23	3073-18000	121-708



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# NARROW RAW EDGE COGGED V-BELTS

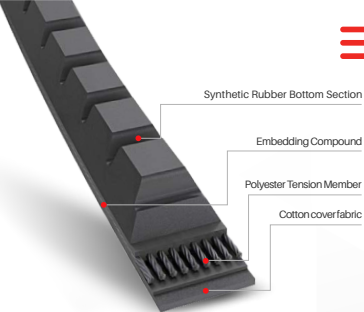
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## NARROW RAW EDGE COGGED V-BELTS

REC narrow V-belt is a type with moulded cog which is temperature and oil resistant as well as antistatic. The belt is tolerance stable TS, such that belts with the same section and length marking can be used in matched sets without sorting. The moulded cog provides high flexibility and a good fit in the pulley grooves as well as a lower operating temperature, which increases belt life.

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## NARROW RAW EDGE COGGED V-BELTS

### APPLICATION:

REC is a new programme within narrow V-belts; it has a wide range of application, especially in industrial drives with high belt speeds. This new programme allows immediate improvement of existing drives which use wrapped belts, providing overall benefits with regard to economy as well as power transmission and reliability of operation.

### STANDARDS :

- REC narrow V-belts:
- ISO 4184, BS 3790, DIN 7753/1, RMA/MPTA
- IP-22 etc.
- Pulleys:
- ISO 4183, BS 3790, DIN 2211/1, RMA/MPTA
- IP-22 etc.

Belt type	Top width (mm)	Heigh	Length range (mm)	Length range (inch)
XPZ/3V	9.7	8	460-3160	18-124
XPA	12.7	9	495-3175	19-125
XPB/5VX	17	13	520-3200	20-126
XPC	22	18	545-3220	21-127



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## **BANDED WRAPPED V-BELTS**

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## BANDED WRAPPED V-BELTS

Banded-belts, consist of several single belts which are joined into one unit with a band at the top. This design absorbs the natural individual vibrations generated in a belt set. The belt is temperature and oil resistant as well as antistatic.

Special pulley is required to achieve the coupling effect, banded V-belts offers the following advantages as compared to single V-belts.

- No slip between the V-belts
- Horizontal drives can be arranged without any problems
- Better absorption of shock loads

Special belts are available in an extra heat resistant type and with a special polyester or Kevlar cord.

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## BANDED WRAPPED V-BELTS

### APPLICATION

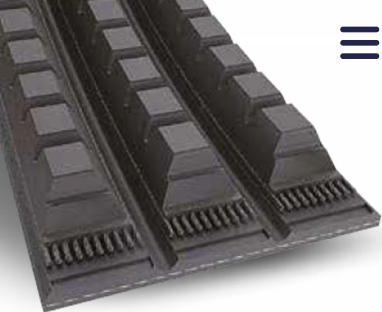
Banded V-belts are used for industrial machinery with pulsating/shock loads, e.g. crushers, compressors, etc., as well as for drives in which the natural vibrations of a belt set may have an adverse effect on the operation of the machine, e.g. lathes, cutters and grinders.

On agricultural machinery, and particularly combine harvesters, they are often used as coupling belts, replacing flat belts or instead of belt sets in order to reduce vibration and increase belt life.

Banded wb	RA	RB	RC	R3V	R5V	R8V
wb	13	17	22	9	15	25
P	15.9	19.1	25.4	10.3	17.5	28.6
a	40	40	40	40	40	40
Rib	20	18	15	20	20	13
Rib in press	33	28	19	55	31	16
length	70-140	70-600	70-600	70-140	70-600	120-600



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## **BANDED RAW EDGE COGGED V-BELTS**

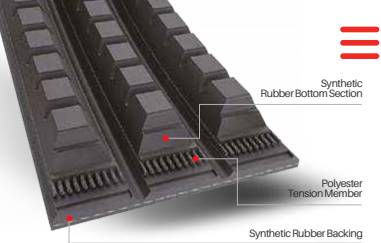
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## BANDED RAW EDGE COGGED V-BELTS

Special pulley is required in order to achieve the coupling effect. Banded Raw edge cogged v-belts offers the following advantages

- Using special formulated CR components
- Giving added stability and strength
- Causing no vibrate, clap or turnover

[View Application and Features](#)



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## BANDED RAW EDGE COGGED V-BELTS

Banded REC	RAX	RBX	R3VX	R5VX	RXPZ	RXPA	RXPB
wb	12.62	16.85	9.7	16.52	9.7	14	15
P	15.88	19.05	10.3	17.48	12	15	19
H	10.5	12.5	10.3	15.5	10.3	10.5	15.5
a	38	38	38	38	38	38	38
Rib	3	2	3	2	3	3	2
length	540-2750 mm (21-108 INCH)						



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## VARIABLE SPEED BELTS

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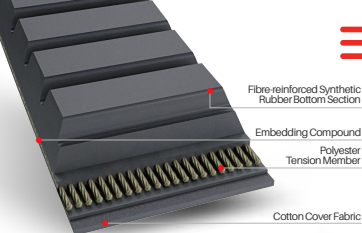
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## VARIABLE SPEED BELTS

REC variable speed belts, also termed V/S-belts, are temperature and oil resistant as well as antistatic. A special rubber compound with textile fibres oriented across the length of the belt provides high stability and minimizes deflection in the cross section.

The moulded cog ensures maximum flexibility and optimum fit in the pulley grooves.

The cord, the power transmitting element, has been designed for heavy power transmission while at the same time ensuring a very high degree of length stability.

Special belts are produced to order, e.g. with Kevlar cord or in a moulded double-cog version.

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## VARIABLE SPEED BELTS

### PROGRAMME/PRODUCT RANGE

According to ISO 1604, DIN 7719/1,  
RMA/MPTA 1P-25 OR customer specifications;  
available within the following dimensional ranges:  
Top width: 13-100 mm  
Height: 8-26 mm  
Belt angle: 20-42 with 2 interval  
Outside Length: 500-3300 mm

#### ISO 1604, DIN 7719/1, section dimensions in mm.

Designation	W16	W20	W25	W31.5	W40	W50	W63	W71	W80	W100
Top width	17	21	26	33	42	52	65	74	83	104
Pitch width	16	20	25	31.5	40	50	63	71	80	100
Height	6	7	8	10	13	16	20	23	26	32

#### RMA/MPTA IP-25, section dimensions in inches.

Designation	1422V	1922V	2322V	1926V	2926V	3226V	2530V	3230V	4430V	4036V	4436V	4836V
Top width	0.88	1.19	1.44	1.19	1.81	2.00	1.56	2.00	2.75	2.50	2.75	3.00
Height	0.31	0.38	0.44	0.44	0.50	0.53	0.59	0.62	0.69	0.69	0.72	0.75



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PIROOZ INDUSTRY



Select The Desired Section:



INDUSTRIAL POLY V-BELTS



A white rounded rectangular button containing a grayscale image of several industrial poly V-belts on the left. To the right of the image is the text "INDUSTRIAL POLY V-BELTS" in a bold, sans-serif font. Below the text is a horizontal dotted line. On the far right of the button is a red right-pointing triangle.



TIMING BELT



A white rounded rectangular button containing a grayscale image of a timing belt on the left. To the right of the image is the text "TIMING BELT" in a bold, sans-serif font. Below the text is a horizontal dotted line. On the far right of the button is a red right-pointing triangle.



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## INDUSTRIAL POLY V-BELTS

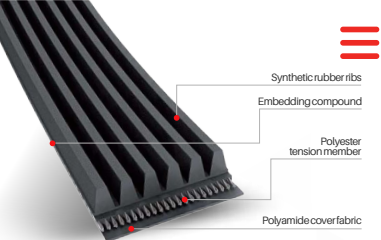
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## INDUSTRIAL POLY V-BELTS

The Multi-ribbed belt, also termed Multi v-belts, with the V-ribs characteristic is resistant to oil and temperature stresses, and it is antistatic.

The V-profiles of the belt are of a special rubber compound with direction-oriented fibres that provide very high stability.

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## INDUSTRIAL POLY V-BELTS

### EPDM

Multi-ribbed EPDM belts provide much more upgraded quality with heat resistant, cold resistant superior performance this would applied to high power and durability vehicle.

### APPLICATION

Multi-ribbed belts can replace several traditional belts and reduce operating costs considerably. Multi-ribbed belts also distinguish themselves by their light and vibration-free operation and long life. The low cross section of the Multi-ribbed belt makes it very flexible and permits it to be used in serpentine drives.

### STANDARDS

- REC Multi-rib belt:
- DIN 7867, ASAE S 211.4, ISO 9982 and
- RMA/MPTA IP-26
- Pulleys:
- DIN 7867, ASEA S 221.4, ISO 9982 and
- RMA/MPTA IP-26

### PROGRAMME

Sections PJ, PK, PL

Section	Rib pitch (mm)	Height (mm)	Length range (mm)
PJ 3-20	2.34	3.7	460-3190
PK 3-14	3.56	4.6	460-3190
PL 5-11	4.7	8	460-3190



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## TIMING BELTS

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## TIMING BELTS

Timing belts are made of special elastomer. The elastomer makes up the back of the belt and forms the teeth. The profile and course of the timing belt teeth changes depending on the type of engine and the course of the teeth. The main job of the timing belt is to regulate injection, by driving the camshaft and injection pumps on opening and closing of the valves.

High Durability	Outer fabric
High tear resistance, high tensile strength, temperature resistance, good dynamic properties	fiber Glass
Very durable, high dynamic strength	Rubber CR/HNBR
High flexibility, strengthening the tooth power	Polyamide fabric



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# Brands



Y YANGSAN



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