



Welcome to



BANDO

PT. BANDO INDONESIA



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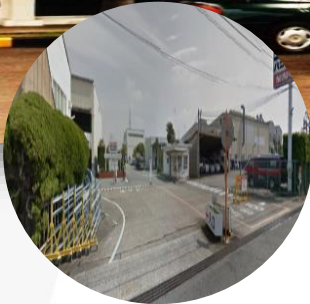
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COMPANY PROFILE



1906

In 1906 the first Bando factory was built in Kobe and since that start Bando



1987

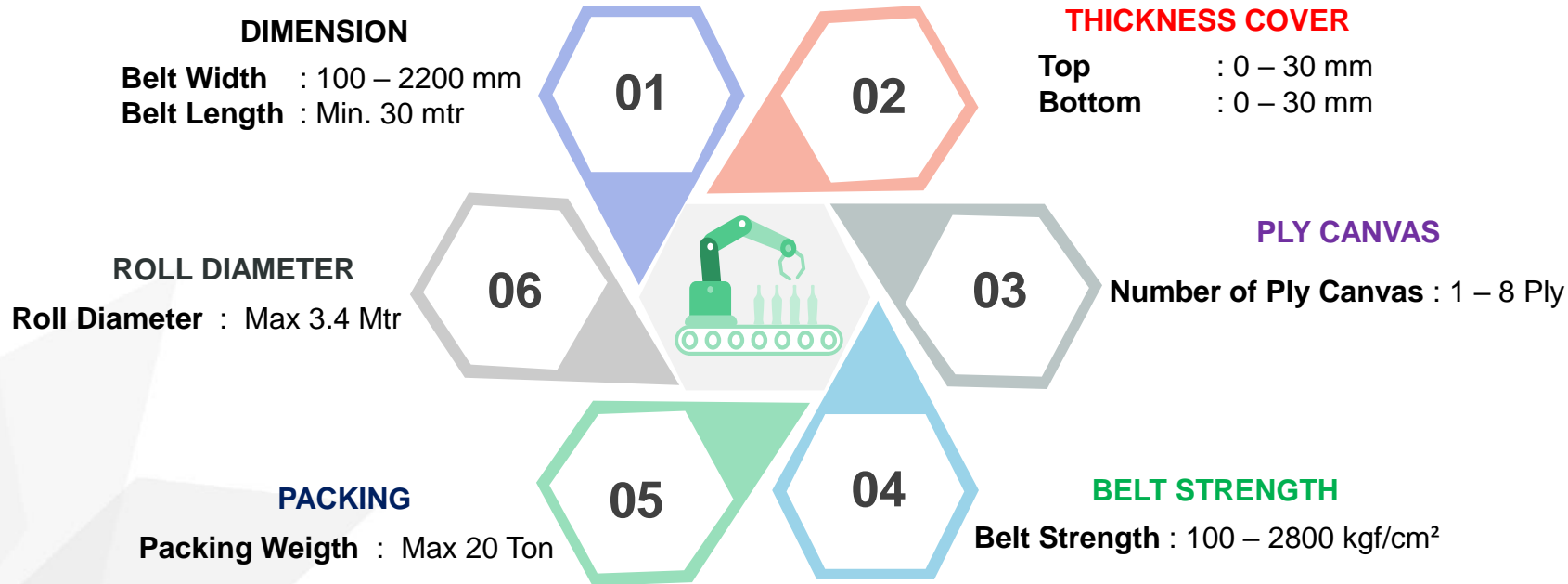
Joint venture Bando Chemical Industries Ltd. Japan with PT. Kreasi Utama Investama



1995

Expanded to Conveyor Belt Productions

PRODUCT RANGE



COVER RUBBER TYPE

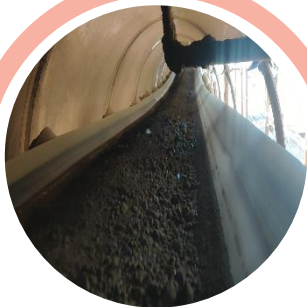
GENERAL USE



JIS - L

Used for general conveyor belts when the materials to convey is low abrasive

Abrasion loss max. 400mm³



JIS - G

Used for general conveyor belts when the materials to convey is medium abrasive

Abrasion loss max. 250mm³



JIS - S

Used for general conveyor belts when the materials to convey is abrasive

Abrasion loss max. 200mm³



GRADE - M

Used as cover rubber for general and high tension conveyor belts, high abrasion resistance and cut-and-gouge resistance with cold resistance down to - 50° F.

Abrasion max. 120mm³

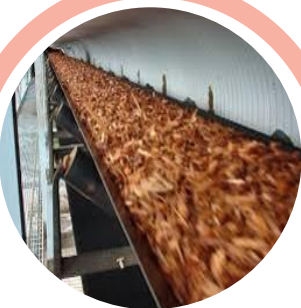
COVER RUBBER TYPE

SPECIAL USE



OR - 210

Excellent oil resistance with NBR (Nitrile rubber). Generally use to convey materials soaked with or containing oil. Suitable for transporting garbage, sewage and substances containing oil



OR - 220

Medium oil resistance with cold resistance. Typical application : wood chips, refrigerated fish, etc



HC - 513

(Styrene Butadiene Rubber) SBR type standard Heat Resistant belt. Max. temp of material handled is 150°C and max. temp of belt surface is 100° C. This grade belt is for conveying hot material like coke, foundry casting, etc



HC - 710

Special synthetic rubber with Ethylene Propylene Diene Monomer (EPDM). Max. temp of material handled is about 400° C and max. temp of belt surface is 180° C. This grade belt is for conveying hot material like clinker, coke, etc

COVER RUBBER TYPE

SPECIAL USE



UIP

Suitable for conveying large size lump sharp and rugged materials with superior in impact resistance and cut and gouge resistance



SAR

Used as cover rubber for superior in extreme abrasion resistance. Abrasion loss max. 90mm³



CR

Used as cover rubber for handling various kind of chemical or materials mixed with chemical contents (contains degree pH) such as phosphate base fertilizer, etc



FR - 300T

Excellent fire resistance with Neoprene rubber. This self extinguishing belt for mines and other locations when potential for fire hazard exist, for underground operations, and power plant

COVER RUBBER PROPERTIES



Test Type		Unit	JIS - L	JIS - G	JIS - S	Grade - M	UIP	SAR
Before Aging	Tensile Strength	Kgf/cm ²	80	140	180	250	180	140
	Elongation at Break	%	300	400	450	450	350	400
	Tear Strength	KN/m	20	39	49	98	90	39
	<u>Abrasion Loss</u>	mm ³	400	250	200	120	150	90
Hardness JIS Type A		°	60 ⁺¹⁰	60 ⁺¹⁰	60 ⁺¹⁰	60 ⁺¹⁰	70 ⁺¹⁰	60 ⁺¹⁰
After Aging 70 ± 1 °C	Tensile Strength	%	±40	±30	±25	±25	±40	±30
	Gear Oven	Hour	168	168	168	168	168	168
	EB	%	±40	±30	±25	±25	±40	±30

COVER RUBBER PROPERTIES

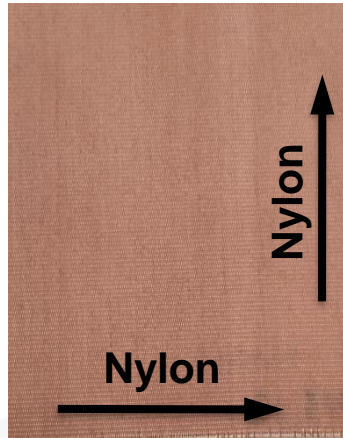


Test Type		Unit	HC-513*	HC-710**	OR -210	OR-220	FR-300T	CR
Before Aging	Tensile Strength	Kgf/cm ²	140	85	100	180	180	140
	Elongation at Break	%	400	400	400	400	450	400
	Tear Strength	KN/m	20	20	29	29	49	39
	<u>Abrasion Loss</u>	mm ³	250	200	300	300	150	250
Hardness JIS Type A		°	65 ⁺⁵	60 ⁺¹⁰	60 ⁺¹⁰	60 ⁺¹⁰	60 ⁺¹⁰	60 ⁺¹⁰
After Aging 70 ± 1 °C	Tensile Strength	Kgf/cm ²	120	70	90	140	150	120
	Gear Oven	Hour	168	168	96	96	96	96
	EB	%	360	350	350	350	380	340

* After Aging 100°C ± 1; 168 hrs

** After Aging 150°C ± 1; 168 hrs

CARCASS TYPE

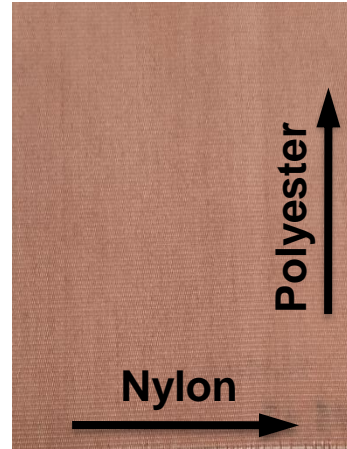


NN (Nylon + Nylon)

Material : Nylon + Nylon

Features :

- High Impact Resistance
- High Bending Resistance
- High Speed
- Elongation **2.4 %** center-center

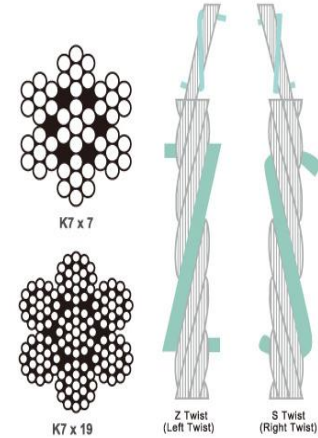


EP (Polyester + Nylon)

Material : Polyester + Nylon

Features :

- Short Take-up Travel
- High Tension
- High Speed
- Elongation **1.6 %** center-center



STEEL CORD

Material : Steel Cord

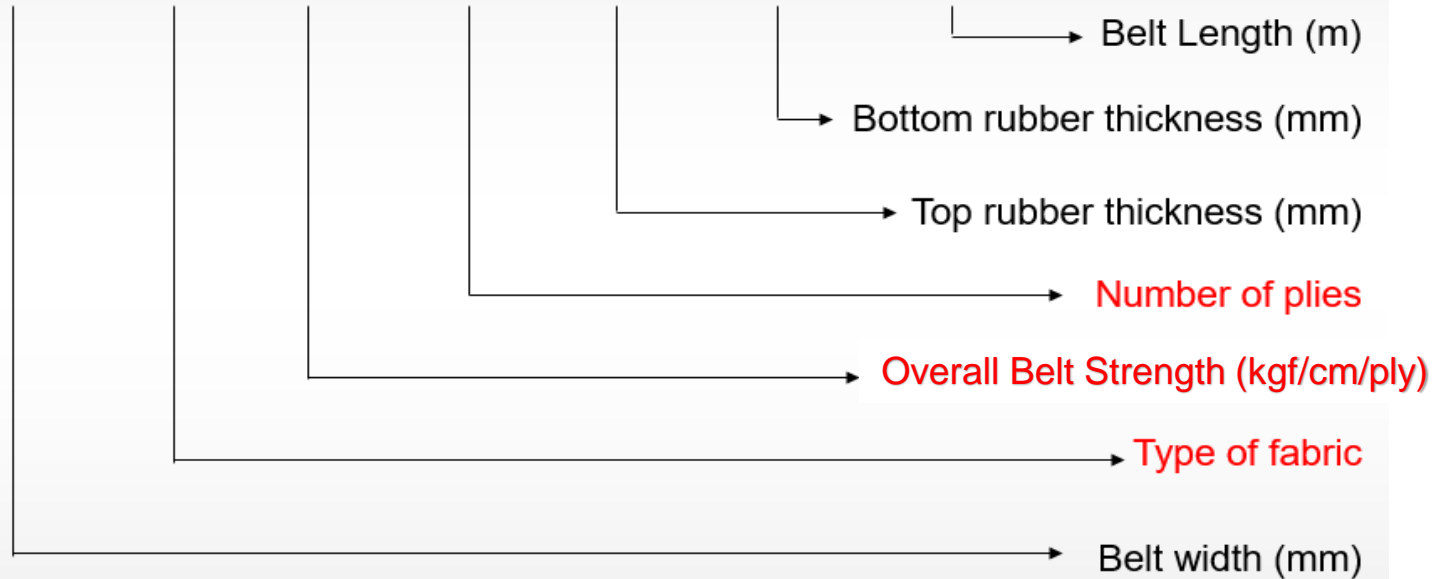
Features :

- High Impact Resistance
- High Bending Resistance
- High Speed
- Elongation **0.3 %** center-center

IDENTIFY SPECIFICATION BELT

Overall Belt Strength (ISO Standard)

900 x EP 400 / 4P x 5.0 x 1.5 x 200 ; GRADE M

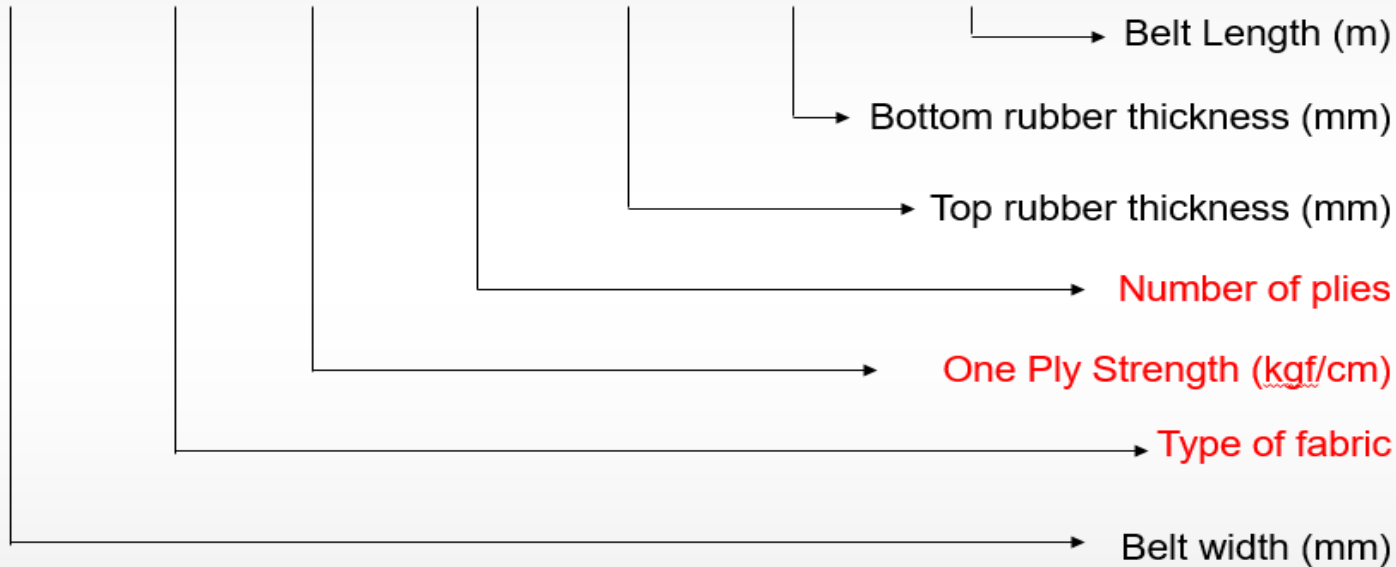


IDENTIFY SPECIFICATION BELT

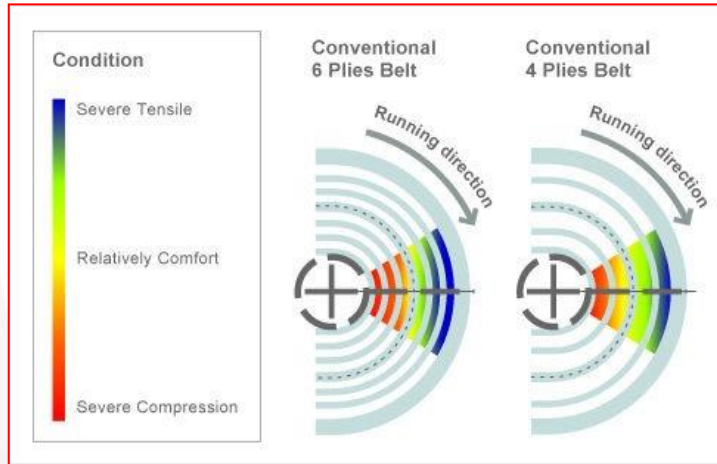


1 Ply Belt Strength (JIS and Korean Standard)

900 x EP 100 x 4P x 5.0 x 1.5 x 200 ; GRADE M



Minimum Required Pulley Diameter (mm) for Multiply conveyor



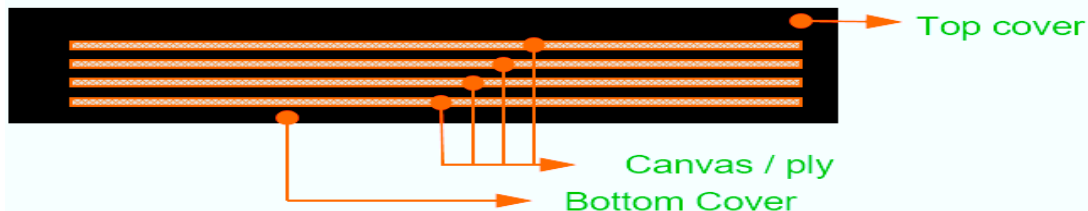
Kind Of Canvas	Number of Plies				
	3	4	5	6	7
EP-100	300	400	550	650	750
EP-150	400	500	650	750	900
EP-200	400	550	700	800	900
EP-250	450	600	750	900	1050
EP-300	500	650	850	1000	1150
EP-350	650	850	1050	1250	1450
EP-400	650	850	1050	1250	1450



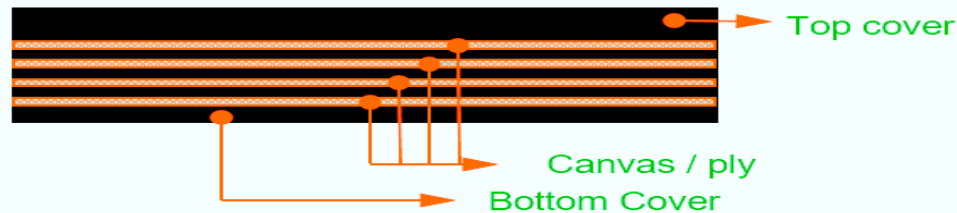
BELT CONVEYOR TYPE



Molded Edge



Cut Edge



Application

General Use
(for all Kinds of Grade Cover rubber)



Features

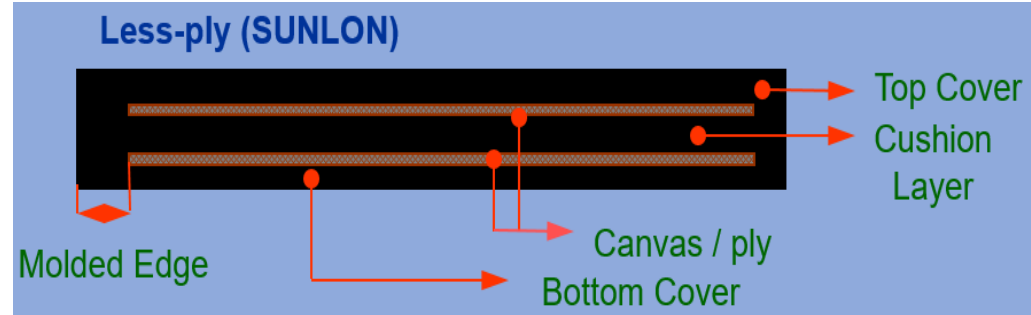
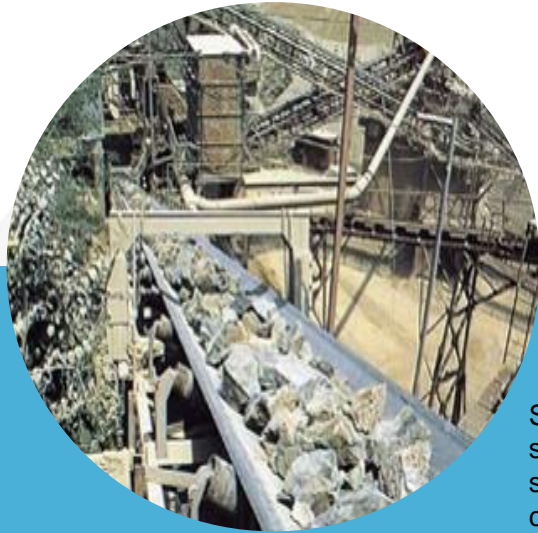
Long life and economical service



Range Product

Belt Width : 100 ~ 2200 mm
Tensile Strength : 100 ~ 2.800 kgf/cm²

BELT CONVEYOR TYPE



Application

SUNLON provides extensive specification for various service conditions from conveyance of bulk materials like gravel, crushed stoned, and materials ones to larger lump materials



Features

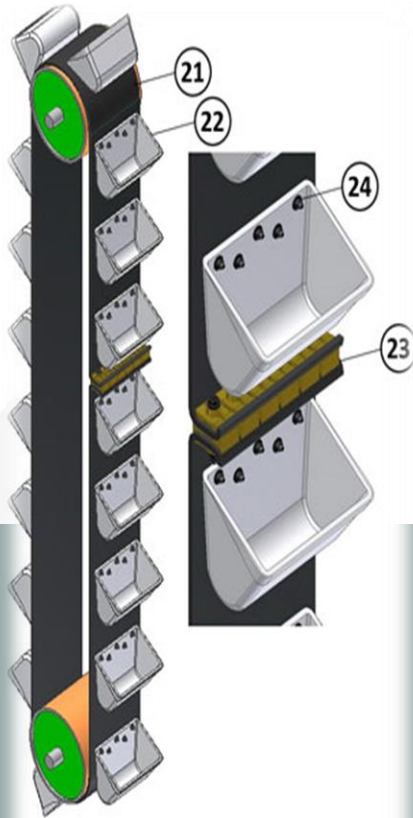
1. Less ply structure and Exceptional troughability
2. High Bending and Impact Resistance
3. Long life and economical service



Range Product

Belt Width : 200 ~ 2200 mm
Tensile Strength : 100 ~ 1.800 kgf/cm²

BELT CONVEYOR TYPE



- 21 - Elevator belting
- 22 - Elevator bucket (polyurethane, nylon, steel, ductile iron)
- 23 - Specialized mechanical splicing for elevator belting
- 24 - Elevator bolts



Application

Bucket can be attached to vertical installed belt, which is suitable for conveying bulk materials such as grains and cement products.



Features

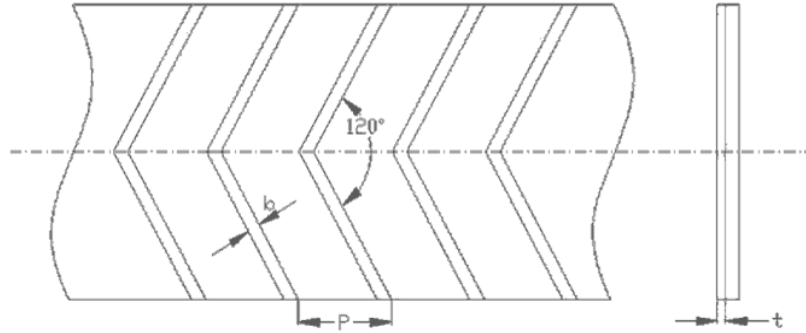
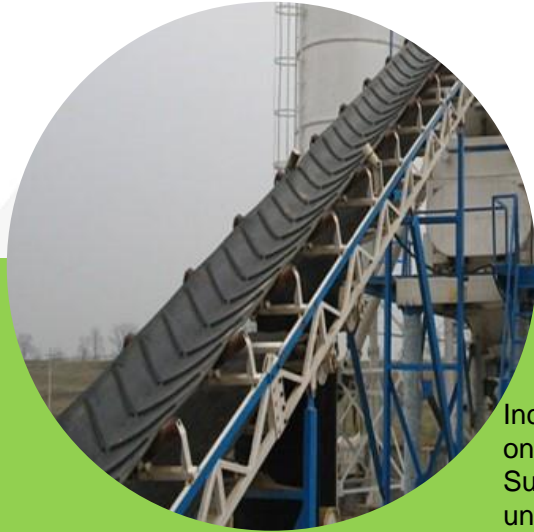
1. Low elongation
2. Bucket can firmly attached to the belt with bolts



Range Product

Belt Width : 100 ~ 2.200 mm
Tensile Strength : 400 ~ 2.800 kgf/cm²

BELT CONVEYOR TYPE



Application

Inclines up to 30 degrees, depending on the goods being conveyed. Suitable for the conveyance of unbagged gravel and sand, bulky goods and bagged goods



Features

Cleat Belts are effective in preventing load spillage and drops in inclined conveyance, as well as for the transport of granular materials

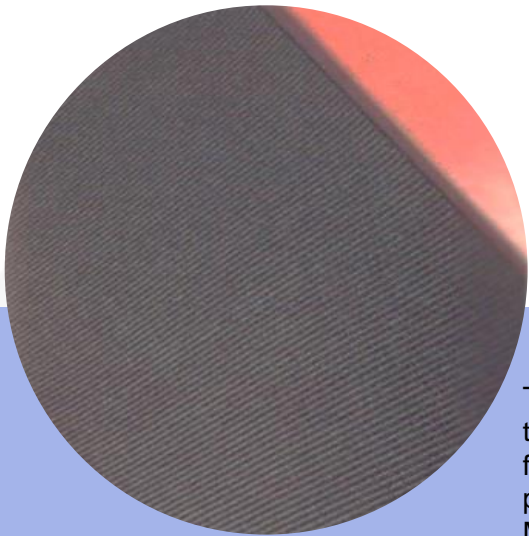
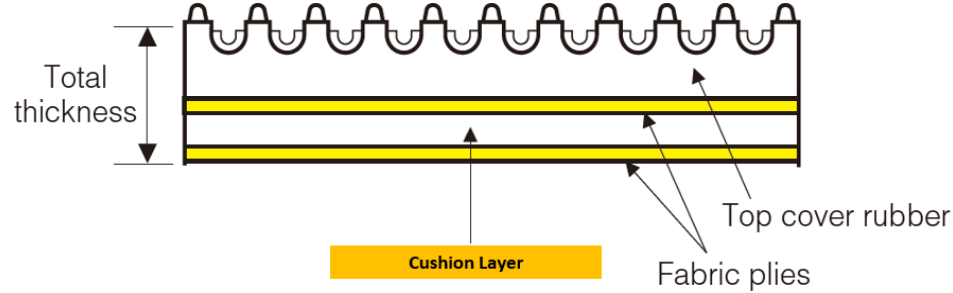


Range Product

Belt Width	: 300 ~ 900 mm
Tensile Strength	: 100 ~ 1.000 kgf/cm ²
Cleat Height	: 5mm
Cleat Width	: 12 mm
Cleat Angle	: 120°
Cleat Pitch	: 75 mm

ROUGH TOP

BELT CONVEYOR TYPE



Application

This conveyor belt has a loosely textured surface and is suitable for the conveyance of bags and packaging up to a medium with Max inclination 30°



Features

1. Strong corrugated surface texture absorbs the impact and prevents conveyed object from spilling
2. Shock absorption reduces the possibility of damaging conveyed material

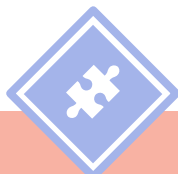
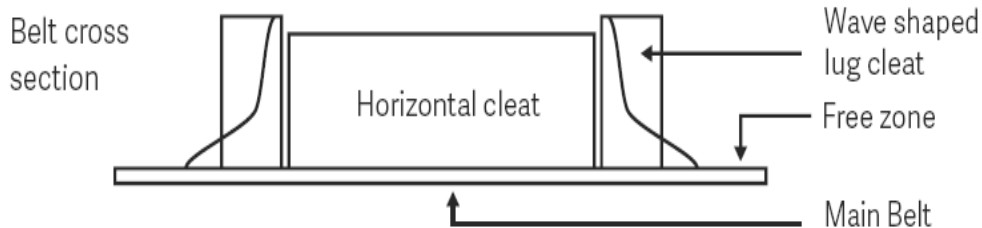


Range Product

Belt Width : 300 ~ 1.200 mm
Tensile Strength : 200 ~ 1.000 kgf/cm²

BELT CONVEYOR TYPE

Structure



Application

This conveyor belt has a CLEAT and SIDEWALL and is suitable for the conveyance of gravel or sand



Features

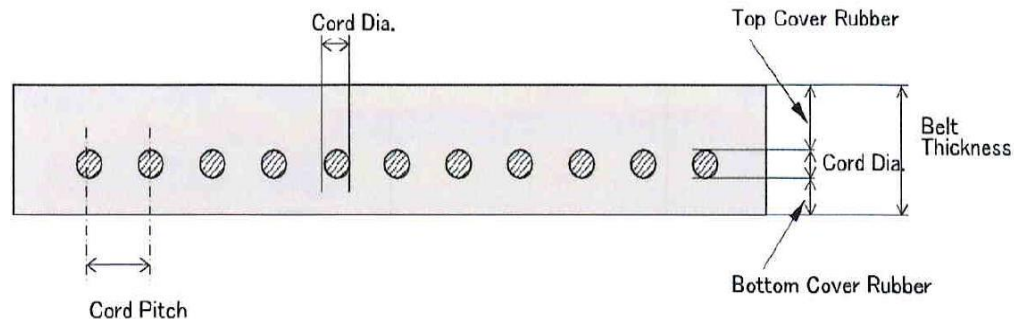
Effective space and it's can handling material up to 90°



Range Product

Belt Width : 100 ~ 1.600 mm
Tensile Strength : 200 ~ 800 kgf/cm

BELT CONVEYOR TYPE



Application

1. Long span
2. High strength
3. High capacity



Features

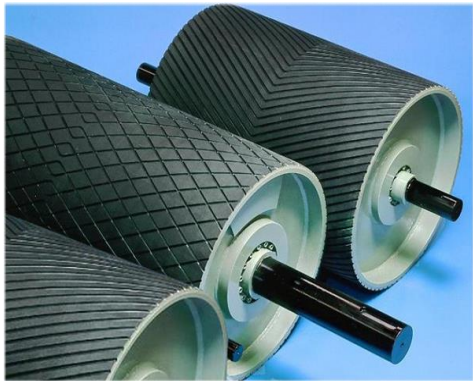
1. Excellent bending resistance
2. Extremely small elongation
3. Excellent dynamic adhesion
4. Excellent impact resistance



Range Product

Belt Width : 800 ~ 1.800 mm
Tensile Strength : ST-500 ~ ST-5000

RUBBER LAGGING & SKIRT RUBBER



Full Rubber



Application

1. Skirting Rubber to prevent spill out material
2. Rubber lagging at pulley surface to prevent slip



Features

1. Solid rubber and have a hardness lower than surface belt
2. Shape by molding



Range Product

Rubber Width : 100 ~ 2.200 mm
Rubber thickness : 5 ~ 25 mm
Abrasion : max 400 mm³
Hardness : 53±5⁰ JIS Type A



COLD SPLICE MATERIAL



Application

This adhesive for vulcanizing rubber at ambient temperature, used for cold splicing and cold repair of belts



Features

1. Shorter curing time
2. Wider applicable range
3. High peeling off resistance
4. Increased operational efficiency



Range Product

Belt tension max 1.020 kgf/cm²
Fabric tensile max 250 kgf/cm/ply
Cover rubber thickness 0 ~ 6.5 mm
Cover rubber type :
General Use, OR210, OR220
HC 510 & HC 513

HOT SPLICE MATERIAL



Application

This method is used for the high tension line belt and longer service life



Material

Cover Stock
Edge Rubber
Tie Gum
Rubber Cement



Range Product

All belt tension
Cover rubber type : All type

CUSTOMER PT. BANDO INDONESIA



CEMENT PLANT



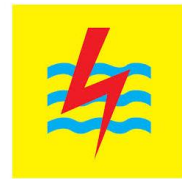
Specification of the Belt use in Cement Factory :

1. Wear Resistance Belt (**Grade-M**)
2. Heat Resistant (**HC-513 & HC-710**)
3. Super Abrasion Resistance (**SAR**)
4. Ultra Impact Protector (**UIP**)
5. Oil Resistance Belt (**OR-210**)

CUSTOMER PT. BANDO INDONESIA



POWER PLANT



PLN



INDONESIA
POWER



PJB



dssp
power



PT. Lestari Banten Energi



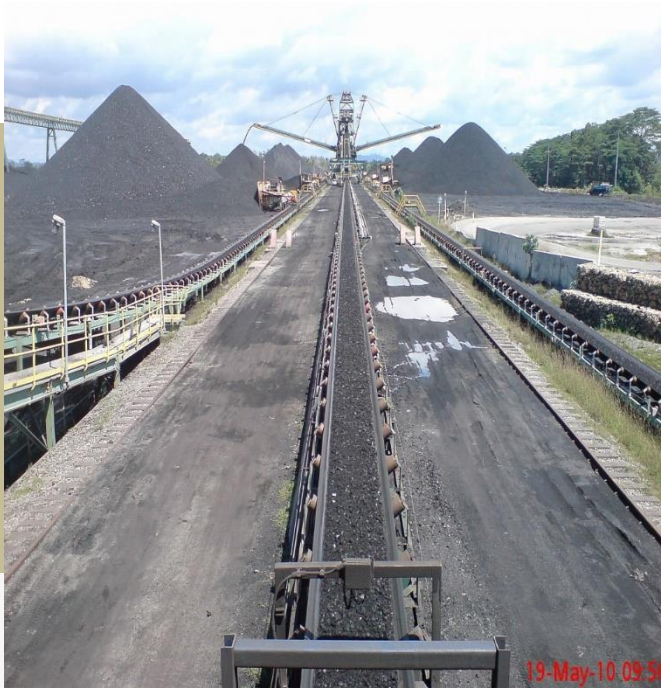
pt. priamanaya
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Specification of the Belt use in Power Plant :

1. Flame Resistant Belt (**FR-300 T**)
2. General Use (**Grade-M & JIS-S**)
3. Oil Resistance Belt (**OR-210**)

CUSTOMER PT. BANDO INDONESIA



COAL MINING



Specification of the Belt use in Coal Mining :

1. Wear Resistant Belt (**Grade-M**)
2. Impact Resistant (**UIP**)
3. Super Abrasive Resistant (**SAR**)

CUSTOMER PT. BANDO INDONESIA



NON COAL MINING



Specification of the Belt use in Non Coal :

1. Wear Resistant Belt (**Grade-M**)
2. Impact Resistant (**UIP**)

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PORT STOCKPILE



Specification of the Belt use in Non Coal :
1. Wear Resistant Belt (**Grade-M**)

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FERTILIZER



PT PETROKIMIA GRESIK



Specification of the Belt use in Fertilizer:

1. Wear Resistant Belt (**Grade-M**)
2. Oil Resistant (**OR-210**)
3. Chemical Resistant (**CR**)

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STEEL & CASTING



TOYOTA



KRAKATAU STEEL



Specification of the Belt use in steel and casting factory :

1. Wear Resistant Belt (**Grade-M**)
2. Oil Resistant (**OR-210**)
3. Heat Resistant (**HC-510 & HC-710**)

The image features decorative geometric shapes in the corners. In the top right corner, there is a colorful star-like shape composed of several triangles in shades of blue, green, and red. In the bottom left corner, there are several overlapping, semi-transparent gray triangles of various sizes.

Thanks

The word "Thanks" is rendered in a bold, sans-serif font. The letters "T", "h", "a", "n", and "k" are yellow, while the letters "s" and "s" are maroon. Six hands of different skin tones are visible, each holding one of the letters from underneath. The hands are positioned as if they are presenting or supporting the word.

CONTACT US



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