



PERFECT BELTS LIMITED

High performance flat transmission belts

A large, central image of two hands shaking, symbolizing partnership and trust. The hands are rendered in a painterly style with visible brushstrokes. The background of the entire page is a solid red color.

**Tangential Drive Belts
Flat Drive Belts
Folder Gluer Belts
Machine Tapes
Spindle Tapes
Condenser Tapes
Leather Belting
Knitting Belts**

Building TRUST and maintaining long-term CUSTOMER relations WORLDWIDE

Perfect Belts Limited is a manufacturer-exporter of flat transmission Belts and sells its products under the brand name of **PERFECT**.

The company was founded in early 90's by a team of highly skilled professionals with years of experience in belting Industry. The company has a 50000 sq. ft of covered area and a highly skilled and talented workforce of 80 people. Based on latest know-how of technology, we have set-up a state of the art manufacturing facility for producing flat nylon core transmission belts. We have our own setup for manufacturing Uni-axially oriented polyamide sheet in 320mm width. Perfect Polyamide sheets are free from curvature, waviness, thickness variation and have high tensile strength & modulus of elasticity.

The company manufactures its own adhesives for Rubber & leather for excellent permanent bonding. Through years of research & development we have eliminated the possibility of delamination of our belts. The company has its own plant for processing Leather hides. We procure best quality raw hides from which full grain & split chrome leather is made.

In an continuous endeavor to supply good quality products with consistency, the company has setup a fully operational state of the art laboratory to check incoming raw materials, goods in process and finished goods. At Perfect Belts Ltd., an optimum Quality Assurance System and the use of innovative techniques have ensured a constant standard of products.

Our Products...

Our products include high-efficiency Rubber Nylon Sandwich Belts, Tangential Belts, Spindle Tapes, Leather Nylon Sandwich Belts, Folder gluer belts, Condenser tapes, Machine tapes, Knitting Belts and Oriented Polyamide Sheets, which are widely used in woodworking, textile, fitness, packaging, graphics, printing, paper, paper converting, material handling, food and metal industry etc.

Perfect flat belts are manufactured from the high quality raw materials and are highly successful and cost efficient for modern high speed, high load transmission requirements.

Perfect flat belts are manufactured from the high quality raw materials and are highly successful and cost efficient for modern high speed, high load transmission requirements.

Some of the unique characteristics of Perfect flat belts are as follows:

- High tensile strength
- High modulus of elasticity
- Low initial tension
- No delamination problem
- Permanent and fast colour
- Oil & chemical resistant
- Permanently Anti-static
- Impervious to humidity and fluctuation in temperature
- High abrasion resistant and non-ageing
- Energy saving & quiet running
- Excellent co-efficient of friction and good grip ensuring slippage free movement.
- High dimensional stability

Perfect tangential belts are highly suitable for high speed tangential drives for spinning.

Perfect belts exhibit :

High tensile strength

High modulus of elasticity

High grip and high resistance to rubber abrasion.

High resistance to oils & chemicals



Perfect spindle tapes are ideal for cotton, woollen, worsted & synthetic fiber spinning.

These tapes exhibit :

Permanent anti static behavior

Are energy saving

High resistance to abrasion

Easy to join



Perfect Belts offers high quality machine tapes for the graphic industry, mail handling & paper converting industry.

These belts exhibit :

High flexibility & abrasion resistance

Dimensional stability

Resistance to oil & chemicals



Perfect condenser tapes are available in chrome tanned leather with polyamide sheet as traction layer. The leather is treated for high anti cracking resistance.



Correines Divisores/Condenser Tapes

Perfect knitting belts are developed with state of the art perforation techniques for accuracy and consistency in the holes along the length of the belt. We offer three types of knitting belts depending on the pitch of the holes :

KB-14

KB-15

KB-16





Customized Belt Grades

Apart from our standard product range we can also offer completely customized products to meet specific requirements. Total thickness of belt, thickness of polyamide sheet, colour, type of rubber, rubber surface etc. can be custom made to suit requirements.

Production Program:

- We offer belt grades under the following 3 categories:
- Flat belt grades with Toray (Japan Make) polyamide sheet and X-NBR rubber.
 - Flat belt grades with Toray (Japan Make) polyamide sheet and NBR rubber
 - Flat belt grades with Perfect polyamide sheet and NBR rubber

Technical Specification

Flat Belt Grades with Toray (Japan Make) & X-NBR Rubber

We import Toray polyamide sheets from Japan. Toray polyamide sheets exhibit high tension with low elongation and X-NBR rubber exhibits high resistance to abrasion.

Grade	Construction				Traction Layer		Total	Min Pulley	Production
	Top Cover		Bottom Cover		Polyamide	Thickness	Thickness	Dia	Width
	Material	Colour	Material	Colour			mm	mm	mm

TANGENTIAL DRIVE BELTS

PS-140 IMP XB	X-NBR	Dark Green	X-NBR	Yellow	Toray	0.50	1.70	6	25
PS-141 IMP XB	X-NBR	Dark Green	X-NBR	Yellow	Toray	0.50	2.30	6	25
PS-200 IMP XB	X-NBR	Dark Green	X-NBR	Yellow	Toray	0.75	2.00	8.5	50
PS-250 IMP XB	X-NBR	Dark Green	X-NBR	Yellow	Toray	1.00	2.30	11	60
PS-251 IMP XB	X-NBR	Dark Green	X-NBR	Yellow	Toray	1.00	3.00	11	60
PS-321 IMP XB	X-NBR	Dark Green	X-NBR	Yellow	Toray	1.25	3.20	14	110
PS-390 IMP XB	X-NBR	Dark Green	X-NBR	Yellow	Toray	1.50	3.20	17	120
PS-391 IMP XB	X-NBR	Dark Green	X-NBR	Yellow	Toray	1.50	4.00	17	120
POE-250 IMP XB	X-NBR	Dark Green	X-NBR	Yellow	Toray	1.00	2.60	11	60

X- NBR: Carboxylated nitrile rubber

Technical Specification

Flat belt grades with Toray (Japan Make) & NBR rubber

In this series we offer grades with Toray (Japan Make) polyamide sheet and NBR rubber.

Grade	Construction				Traction Layer		Total	Elongation	Min Pulley	Production
	Top Cover		Bottom Cover		Polyamide	Thickness	Thickness	at 1 % strain	Dia	Width
	Material	Colour	Material	Colour			mm	N/mm	mm	mm

TANGENTIAL DRIVE BELTS

PS-140 IMP	NBR	Dark Green	NBR	Yellow	Toray	0.50	1.70	6.0	25	510.0
PS-141 IMP	NBR	Dark Green	NBR	Yellow	Toray	0.50	2.30	6.0	25	510.0
PS-200 IMP	NBR	Dark Green	NBR	Yellow	Toray	0.75	2.00	8.5	50	510.0
PS-250 IMP	NBR	Dark Green	NBR	Yellow	Toray	1.00	2.30	11.0	60	510.0
PS-251 IMP	NBR	Dark Green	NBR	Yellow	Toray	1.00	3.00	11.0	60	510.0
PS-321 IMP	NBR	Dark Green	NBR	Yellow	Toray	1.25	3.20	14.0	110	510.0
PS-390 IMP	NBR	Dark Green	NBR	Yellow	Toray	1.50	3.20	17.0	120	510.0
PS-391 IMP	NBR	Dark Green	NBR	Yellow	Toray	1.50	4.00	17.0	120	510.0
POE-250 IMP	NBR	Dark Green	NBR	Yellow	Toray	1.00	2.60	11.0	60	510.0

FLAT DRIVE BELTS

P-1 IMP	NBR	Light Green	NBR	Yellow	Toray	0.50	1.50	6.0	25	510.0
P-2 IMP	NBR	Light Green	NBR	Yellow	Toray	0.50	2.00	6.0	60	510.0
P-2 IMP IG	NBR	Light Green	NBR	Yellow	Toray	0.75	2.00	8.5	60	510.0
P-3 IMP	NBR	Light Green	NBR	Yellow	Toray	0.50	3.00	6.0	60	510.0
P-3 IMP IG	NBR	Light Green	NBR	Yellow	Toray	0.75	3.00	8.5	60	510.0
P-4 IMP	NBR	Light Green	NBR	Yellow	Toray	1.25	4.00	14.0	110	510.0
P-5 IMP	NBR	Light Green	NBR	Yellow	Toray	1.25	5.00	14.0	110	510.0

FOLDER GLUER BELTS

PT-30 IMP	NBR	Light Green	NBR	Yellow	Toray	0.50	3.00	6.0	60	510.0
PT-40 IMP	NBR	Light Green	NBR	Yellow	Toray	0.50	4.00	6.0	40	510.0
PT- 40 IMP IG	NBR	Light Green	NBR	Yellow	Toray	0.75	4.00	8.5	50	510.0
PT-50 IMP	NBR	Light Green	NBR	Yellow	Toray	0.50	5.00	6.0	50	510.0
PT- 50 IMP IG	NBR	Light Green	NBR	Yellow	Toray	0.75	5.00	8.5	60	510.0
PT-60 IMP	NBR	Light Green	NBR	Yellow	Toray	0.50	6.00	6.0	60	510.0
PT-60 IMP IG	NBR	Light Green	NBR	Yellow	Toray	0.75	6.00	8.5	70	

MACHINE TAPES

PF-0 IMP	NBR	Dark Green	Nylon Fabric*	Green	Toray	0.20	1.30	2.5	25	510.0
PF-1 SPL IMP	NBR	Dark Green	Nylon Fabric*	Green	Toray	0.35	1.20	4.0	30	510.0
PF-1 IMP	NBR	Dark Green	Nylon Fabric*	Green	Toray	0.50	1.30	6.0	40	510.0
PF-2 IMP	NBR	Dark Green	Nylon Fabric*	Green	Toray	0.75	1.80	8.5	60	510.0

Grade	Construction				Traction Layer		Total	Elongation	Min Pulley	Production
	Top Cover		Bottom Cover		Polyamide	Thickness	Thickness	at 1 % strain	Dia	Width
	Material	Colour	Material	Colour			mm	N/mm	mm	mm

CONDENSER TAPES

CT-1 IMP	Leather	Brown	Leather	Brown	Toray	0.20	3.00	2.5	25	510.0
CTR-1 IMP	NBR	Dark Blue	NBR	Dark Blue	Toray	0.50	3.00	6.0	30	510.0

FABRIC NYLON SANDWICH BELTING

FNF-30 IMP	Nylon Fabric*	Green	Nylon Fabric*	Green	Toray	0.20	0.90	2.5	25	510.0
FNF-40 IMP	Nylon Fabric*	Green	Nylon Fabric*	Green	Toray	0.35	1.25	4.0	30	510.0
FNF-60 IMP	Nylon Fabric*	Green	Nylon Fabric*	Green	Toray	0.50	1.00	6.0	40	510.0
FNF-100 IMP	Nylon Fabric*	Green	Nylon Fabric*	Green	Toray	0.75	1.50	8.5	60	510.0
FNF-120 IMP	Nylon Fabric*	Green	Nylon Fabric*	Green	Toray	1.00	1.70	11.0	80	510.0

LEATHER NYLON SANDWICH BELTS***

LNF-60 IMP	Nylon Fabric*	Green	Leather	Grey	Toray	0.50	2.85	6.0	35	310.0**
LNF-100 IMP	Nylon Fabric*	Green	Leather	Grey	Toray	0.75	3.10	8.5	60	310.0**
LNF-120 IMP	Nylon Fabric*	Green	Leather	Grey	Toray	1.00	3.35	11.0	90	310.0**
LNF-200 IMP	Nylon Fabric*	Green	Leather	Grey	Toray	1.50	4.05	17.0	200	310.0**
LNF-300 IMP	Nylon Fabric*	Green	Leather	Grey	Toray	2.25	5.00	25.0	280	310.0**
LNF-400 IMP	Nylon Fabric*	Green	Leather	Grey	Toray	3.00	5.95	33.0	380	310.0**
LNF-500 IMP	Nylon Fabric*	Green	Leather	Grey	Toray	3.75	6.90	42.0	460	310.0**
LNL-60 IMP	Leather	Grey	Leather	Grey	Toray	0.50	4.50	6.0	35	310.0**
LNL-100 IMP	Leather	Grey	Leather	Grey	Toray	0.75	4.75	8.5	60	310.0**
LNL-120 IMP	Leather	Grey	Leather	Grey	Toray	1.00	5.00	11.0	90	310.0**
LNL-200 IMP	Leather	Grey	Leather	Grey	Toray	1.50	5.70	17.0	200	310.0**
LNL-300 IMP	Leather	Grey	Leather	Grey	Toray	2.25	6.65	25.0	280	310.0**
LNL-400 IMP	Leather	Grey	Leather	Grey	Toray	3.00	7.60	33.0	380	310.0**
LNL-500 IMP	Leather	Grey	Leather	Grey	Toray	3.75	8.55	42.0	460	310.0**

NBR: Nitrile butyl rubber

*** Nylon fabric is available in red, green and black colour**

**** Leather grades are available in 510mm on request**

***** Leather series**

LNF One side leather one side fabric

LNL Both side leather

60 0.5 mm Toray polyamide sheet

100 0.75 mm Toray polyamide sheet

120 1.0 mm Toray polyamide sheet

200 1.5mm Toray polyamide sheet

300 1.5 +0.75=2.25 mm 2 ply of Toray polyamide sheet

400 1.5 +1.5=3.0 mm 2 ply of Toray polyamide sheet

500 1.5+0.75+1.5= 3.75mm 3 ply of Toray polyamide sheet

Technical Specification

Flat belt grades with Perfect polyamide & NBR rubber

In this series we offer grades with Perfect Polyamide sheet and NBR rubber.

Grade	Construction				Traction Layer		Total	Min Pulley	Production
	Top Cover		Bottom Cover		Polyamide	Thickness	Thickness	Dia	Width
	Material	Colour	Material	Colour			mm	mm	(mm)

TANGENTIAL DRIVE BELTS

PS-140	NBR	Dark Green	NBR	Yellow	Perfect	0.4	1.70	25	310
PS-141	NBR	Dark Green	NBR	Yellow	Perfect	0.4	2.30	25	310
PS-200	NBR	Dark Green	NBR	Yellow	Perfect	0.8	2.00	50	310
PS-250	NBR	Dark Green	NBR	Yellow	Perfect	1.0	2.30	60	310
PS-251	NBR	Dark Green	NBR	Yellow	Perfect	1.0	3.00	60	310
PS-321	NBR	Dark Green	NBR	Yellow	Perfect	1.25	3.20	110	310
PS-390	NBR	Dark Green	NBR	Yellow	Perfect	1.6 ^{2P}	3.20	120	310
PS-391	NBR	Dark Green	NBR	Yellow	Perfect	1.6 ^{2P}	4.00	120	310
POE-250	NBR	Dark Green	NBR	Yellow	Perfect	1.0	2.60	60	310

FLAT DRIVE BELTS

P-1	NBR	Light Green	NBR	Yellow	Perfect	0.4	1.50	25	310
P-2	NBR	Light Green	NBR	Yellow	Perfect	0.6	2.00	60	310
P-2 IG	NBR	Light Green	NBR	Yellow	Perfect	0.8	2.00	60	310
P-3	NBR	Light Green	NBR	Yellow	Perfect	0.6	3.00	60	310
P-3 IG	NBR	Light Green	NBR	Yellow	Perfect	0.8	3.00	60	310
P-4	NBR	Light Green	NBR	Yellow	Perfect	1.2	4.00	110	310
P-5	NBR	Light Green	NBR	Yellow	Perfect	1.2	5.00	110	310

FOLDER GLUER BELTS

PT-30	NBR	Light Green	NBR	Yellow	Perfect	0.4	3.00	30	310
PT-40	NBR	Light Green	NBR	Yellow	Perfect	0.6	4.00	40	310
PT- 40 IG	NBR	Light Green	NBR	Yellow	Perfect	0.6	4.00	50	310
PT-50	NBR	Light Green	NBR	Yellow	Perfect	0.6	5.00	50	310
PT- 50 IG	NBR	Light Green	NBR	Yellow	Perfect	0.8	5.00	60	310
PT-60	NBR	Light Green	NBR	Yellow	Perfect	0.6	6.00	60	310
PT-60 IG	NBR	Light Green	NBR	Yellow	Perfect	0.8	6.00	70	310

MACHINE TAPES

PF-0	NBR	Dark Green	Nylon Fabric*	Green	Perfect	0.2	0.90	20	310
PF-1	NBR	Dark Green	Nylon Fabric*	Green	Perfect	0.4	1.30	25	310
PF-2	NBR	Dark Green	Nylon Fabric*	Green	Perfect	0.8	1.80	60	310

SPINDLE TAPE

PS-5	Mixed Fabric*	Brown	NBR	Dark Green	—	0.0	0.65	15	310
PS-55	Mixed Fabric*	Brown	NBR	Dark Green	Perfect	0.2	0.85	25	310

Grade	Construction				Traction Layer		Total	Min Pulley	Production
	Top Cover		Bottom Cover		Polyamide	Thickness	Thickness	Dia	Width
	Material	Colour	Material	Colour			mm	mm	(mm)

FABRIC NYLON SANDWICH BELTING

FNF-30	Nylon Fabric*	Green	Nylon Fabric*	Green	Perfect	0.2	0.90	25	310
FNF-60	Nylon Fabric*	Green	Nylon Fabric*	Green	Perfect	0.3	1.00	30	310
FNF-100	Nylon Fabric*	Green	Nylon Fabric*	Green	Perfect	0.8	1.50	60	310
FNF-120	Nylon Fabric*	Green	Nylon Fabric*	Green	Perfect	1.0	1.70	80	310

LEATHER NYLON SANDWICH BELTS**

LNF-60	Nylon Fabric*	Green	Leather	Grey	Perfect	0.4	2.70	35	310
LNF-100	Nylon Fabric*	Green	Leather	Grey	Perfect	0.8	3.10	60	310
LNF-120	Nylon Fabric*	Green	Leather	Grey	Perfect	1.0	3.30	90	310
LNF-200	Nylon Fabric*	Green	Leather	Grey	Perfect	1.6	4.10	200	310
LNF-300	Nylon Fabric*	Green	Leather	Grey	Perfect	2.4	5.10	280	310
LNF-400	Nylon Fabric*	Green	Leather	Grey	Perfect	3.2	6.10	380	310
LNF-500	Nylon Fabric*	Green	Leather	Grey	Perfect	4.0	7.10	460	310
LNL-60	Leather	Grey	Leather	Grey	Perfect	0.4	4.40	35	310
LNL-100	Leather	Grey	Leather	Grey	Perfect	0.8	4.80	60	310
LNL-120	Leather	Grey	Leather	Grey	Perfect	1.0	5.00	90	310
LNL-200	Leather	Grey	Leather	Grey	Perfect	1.6	5.80	200	310
LNL-300	Leather	Grey	Leather	Grey	Perfect	2.4	6.80	280	310
LNL-400	Leather	Grey	Leather	Grey	Perfect	3.2	7.80	380	310
LNL-500	Leather	Grey	Leather	Grey	Perfect	4.0	8.80	460	310

CONDENSOR TAPE

CT-1	Leather	Brown	Leather	Brown	Perfect	0.2	3.00	25	310
CTR-1	NBR	Dark Green	NBR	Dark Green	Perfect	0.5	3.00	50	310

NBR: *Nitrile butyl rubber*

* Nylon fabric is available in Red, Green & Black Colour

2P= 2 plies of 0.8mm i.e 0.8+0.8=1.6mm

**Leather Series

LNF	One side leather one side fabric
LNL	Both side leather
60	0.4 mm
100	0.8 mm
120	1.0 mm
200	0.8 + 0.8 = 1.6mm 2 ply of polyamide sheet
300	0.8 + 0.8 = 2.4mm 3 ply of polyamide sheet
400	0.8 + 0.8 + 0.8 + 0.8 = 3.2mm 4 ply of polyamide sheet
500	0.8+0.8 + 0.8 + 0.8 + 0.8 = 4.0mm 5 ply of polyamide sheet

Tools & Accessories

We offer complete range of tools & accessories for belt fabrication:

Centre Screw Heating Press :

Presses are available with single side & double side heating options.

Model	Belt Width	Base Plate	Pressure Plate
	mm	mm	mm
CSHP 60	60	150 x 95	80 x 70
CSHP 100	100	190 x 150	150 x 130
CSHP 150	150	225 x 150	175 x 160
CSHP 200	200	225 x 225	215 x 160
CSHP 300	300	325 x 230	325 x 170



Cutting Machine

CM-MD-S 300

Max. Cut Width 300mm



Spindle Tape Press

STHP

Max. 60mm width



Skiving Machine

GM-380 WM

Base Plate 380mm

Suitable for 300mm Skiving width



W O R L D W I D E



An ISO Certified Company

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