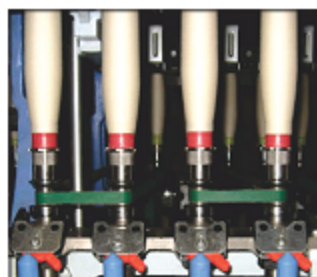
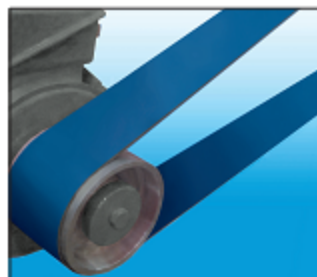


Machine Drive Belts  
Conveyor Tapes  
Tangential Belts  
Spindle Tapes



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## Nylon Flat Transmission Belts





## Foreword

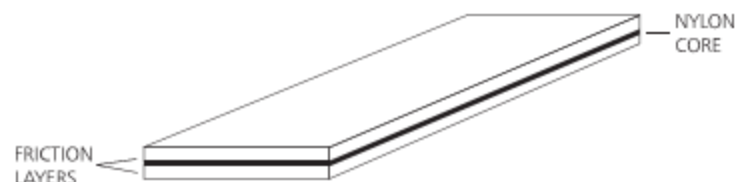
## Nylon Flat Transmission Belting

Design engineer today has a wide choice of drive belts to select from. Over the recent years Nylon Core Flat Transmission Belt has emerged as one of the most versatile and commonly used of all. The Nylon Transmission Belt finds wide range of applications in almost every type of industry, not merely because it offers simple and economical solution to most drive problems but mainly because it satisfies the exacting demands for higher speed, power and performance by modern industry.

PERMALON TRANSMISSIONS P. LTD., specializes in the manufacturing of high performance Power Transmission Flat Belting. Promoters are in power transmission field for many decades having extensive experience and expertise in power transmission design and application. Intensive research, continual development work, upto-date production facilities along with modern methods of production, close quality control, all combine to fulfil our commitment to highest quality standards.

## Belt Construction

Nylon Transmission Belt is essentially a flat belt with high tensile strength Nylon as a core, laminated on either or both sides with friction covers of Chrome Leather or Synthetic Elastomer or a combination. This simple belt construction conforms to requirements of an ideal power transmission belt having outstanding features and affording unmatched advantages.



## Product Range

PERMALON main belt type groups are :

- GR Elastomer friction coating on both sides
- GG Elastomer friction coating on both sides
- TT Textile fabric on both sides
- GT Elastomer coating on driving side and textile fabric on outer side
- LL Chrome leather on both sides
- LT Chrome leather on driving side, textile fabric on outer side
- LG Chrome leather on driving side, elastomer coating on outer side
- LP Chrome leather on driving side, polyamide strip on outer side
- ST Elastomer friction coating on one side and cotton fabric on the other side

ALL THESE BELT TYPES FORM A VERY WIDE RANGE OF BELTS COVERING ALMOST ALL TYPES OF APPLICATIONS FROM SMALL F.H.P. TO HIGH POWER DRIVES UPTO 1500 K.W., IN SPEED RANGE UPTO 60 M/S AND WITH DRIVE RATIO UPTO 10:1

## Outstanding features & advantages

- Thin and light weight
- High coefficient of friction
- High flexibility
- Absorbs shock load
- Rubberised belts permanently antistatic
- Belts produced to close tolerances
- Energy saving
- Positive power transmission
- High speed drive
- Space saving compact drive
- Long maintenance free service life
- Constant speed ratio
- Low noise, smooth running
- Easy and quick endless making

## PRODUCT RANGE

PRODUCT RANGE								APPLICATION
Belt Type	Driving Side Colour	Outer Side Colour	Thickness mm	Wt. Kg. per sq.m.	Min Pulley Dia. mm	Load for 1% Elong. N/mm	Max. Width mm	
BOTH SIDES ELASTOMER								Light to medium mechanical load, one or both sides power transmission. High speed low noise operation. Major applications in Textile Industry as Tangential Belt for Texturizing, Crimping, T.F.O., O.E. Spinning, Twisting, Doubling Machines, Paper Processing Machines.
GR 4015 RR	Black	Blue	1.50	1.50	40	5.0	300	
GR 4023 RR	Black	Blue	2.30	2.35	50	5.0	300	
GR 4030 RR	Black	Blue	3.00	3.40	50	5.0	300	
GR 4040 RR	Black	Blue	4.00	4.50	75	5.0	300	
GR 8026 RR	Black	Blue	2.60	2.80	75	7.5	300	
GR 8060 RR	Black	Blue	6.00	6.70	100	7.5	300	
GR 11029 RR	Black	Blue	2.90	3.15	100	10.0	300	
GR 11065 RR	Black	Blue	6.50	7.00	135	10.0	300	
GR 12530 RR	Black	Blue	3.00	3.20	130	12.5	300	
GR 16034 RR	Black	Blue	3.40	3.40	150	15.0	300	
BOTH SIDES ELASTOMER								Light to medium mechanical load, one or both sides power transmission. High speed low noise operation. Major applications in Textile Industry as Tangential Belt for Texturizing, Crimping, T.F.O., O.E. Spinning, Twisting, Doubling Machines.
GG 5017 RF	Yellow	Green	1.70	1.90	40	6.0	500	
GG 7520 RF	Yellow	Green	2.00	2.20	75	8.0	500	
GG 10023 RF	Yellow	Green	2.30	2.70	100	11.0	500	
GG 10030 RF	Yellow	Green	3.00	3.40	100	11.0	500	
GG 12532 RF	Yellow	Green	3.20	3.60	130	14.0	500	
GG 15032 RF	Yellow	Green	3.20	3.60	150	16.0	500	
BOTH SIDES FABRIC								Light power transmission and conveying applications for small pulley diameter drives. Particularly used as Feeder, Delivery Tapes in Paper Printing Industry, Plastic Bag Making
TT 20	Green	Green	0.90	0.80	20	2.0	300	
TT 30	Green	Green	1.00	0.90	25	3.0	300	
TT 40	Green	Green	1.10	1.10	35	5.0	300	
TT 80	Green	Green	1.50	1.40	45	7.5	300	
BOTH SIDES LEATHER								Light to medium power transmission.  Heavy mechanical load both sides power transmission. Ideally suited for tough, rugged or outdoor applications in Paper, Wood Working Machines, Steel Mills, Marble & Granite Cutting Machines, Flour Mills
LL 50	Natural	Natural	4.20	3.40	55	5.0	300	
LL 75		4.60	4.00	80	7.5	300		
LL 100	Chrome	Chrome	5.00	4.20	105	10.0	300	
LL 150		6.00	5.80	150	15.0	300		
LL 200	White	White	7.10	6.80	200	20.0	300	
LL 300		8.20	8.00	350	30.0	300		
LL 400		9.40	9.00	500	40.0	300		
ONE SIDE LEATHER ONE SIDE FABRIC								Light to medium, one side power transmission.  Heavy mechanical load, one side power transmission. Ideally suited for tough, rugged or outdoor applications in Paper, Wood Working Machines, Steel Mills, Marble & Granite Cutting Machines, Flour Mills.
LT 50	Natural	Green	2.60	2.30	35	5.0	300	
LT 75		Green	3.00	2.60	65	7.5	300	
LT 100	Chrome	Green	3.30	3.00	85	10.0	300	
LT 150		Green	4.00	3.70	150	15.0	300	
LT 200	White	Green	5.00	5.20	200	20.0	300	
LT 300		Green	6.00	6.00	350	30.0	300	
LT 400		Green	7.00	6.80	500	40.0	300	
SPINDLE TAPE LIGHT ELASTOMER COATING ON ONE SIDE OTHER SIDE COTTON FABRIC								
ST 10	Green	Brown	0.55	0.50	10	1.5	300	
ST 15	Green	White	0.60	0.55	10	1.6	300	
ST 20	Green	White	0.80	0.90	15	2.0	300	
ST 50	Green	White	1.10	1.10	35	5.0	300	

P = Plain, R = Rough Texture, F = Fine Texture.

All LT types are available in LG version also