

APT[®] TIMING BELTS



Ashutosh Power TransBelts Ltd.

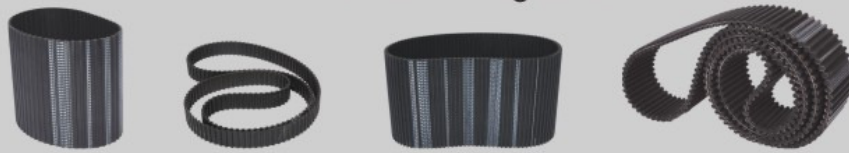
Timing Belt Sleeves



Timing Belt Cut Pieces



Double Sided Timing Belts



Open End Timing Belts



Timing Pulleys



Special Timing Belts





Contents

ASHUTOSH

01. Introduction	01
02. Timing Belts	03
03. Double Sided Timing Belts	05
04. PU Open Ended (M) Timing Belts	06
05. PU Welded Endless & Flex Timing Belts	08
06. Timing Pulley	09
07. Special Backing	10
08. Special Designs	11
09. Other Products	12
10. Accessories	14
11. Timing Belt Drive Selection Form	15
12. Notes	16

APT[®]



Introduction

ASHUTOSH



Ashutosh Power TransBelts Limited is the Promoter Company of the APT GROUP, which is engaged in the Manufacture, Supply and Export of Industrial Power Transmission Belts & Pulleys. Originally founded in 1983 by Mr. Deenbandhu Reengusia as a Firm in the name of Ashutosh Texmach Manufacturers, his vision and efforts quickly led to the formation of the APT Group comprising of companies & Firms engaged in providing professional services to the Industries in various sectors. By 1990, the Group had nearly 5 fully operational divisions providing services to different sectors of the Industry.

OUR MISSION IS TO KEEP EVERY MACHINE IN THE INDUSTRY RUNNING UNDER ALL POSSIBLE CIRCUMSTANCES. We believe our progress is directly related to the growth and progress of the industries. We put our best efforts to see that no machine is left idle for the want of a belt or pulley. Our Quality Department is always striving hard to manufacture goods that reduce breakdown time.

Innovation is the key to our success. We always strive to manufacture better quality products. We are always keen to develop any new belt / pulley as per the design, specifications and requirements of our Customers especially OEM.

Ashutosh Power TransBelts Limited was incorporated with a commitment to offer innovative and superior quality products to meet the most challenging requirements of today as well as the future.

Our commitments

- To Excel in the products we introduce in the market and serve the industry.
- To Provide Professional Support to our customers with high precision Timing belts, Timing pulleys and Accessories.
- To provide APPROPRIATE BELTS & PULLEYS for various needs and applications such as Conveyor Drive, Linear Drive, Power Transmission Drive, or a combination of any of these drive systems, etc.
- To put continuous efforts into innovation and development of products to meet customer requirements
- To provide customers with highest engineering support to meet their requirements and expectations in relation to selection and conversion of drive systems.
- To employ such staff that is dedicated to meet the highest expectations of our customers.

Our Main Products include

- TIMING BELTS
- TIMING PULLEYS
- SPECIAL TIMING BELTS
- CONVERSION TO / SELECTION OF TIMING BELT DRIVE SYSTEM
- NORMAL DRIVE BELTS
- CONVEYOR BELTS
- ACCESSORIES

APT[®]



APT® Timing Belts

ASHUTOSH

T Type Inch Pitch

All Dimensions in MM

MXL - XL - L - H - XH - XXH

	Type	P	H ₁	H ₂	Angle	Details Page
	MXL	2.032	0.51	1.14	40°	
	XL	5.080	1.27	2.30	50°	
	L	9.525	1.91	3.60	40°	
	H	12.70	2.29	4.30	40°	
	XH	22.225	6.35	11.20	40°	
	XXH	31.750	9.53	15.70	40°	

ARC Type Metric Pitch

HTD 2M - 3M - 5M - 8M - 14M - 20M

	Type	P	H ₁	H ₂	Details Page
	HTD 2M	2	0.75	1.36	
	HTD 3M	3	1.17	2.4	
	HTD 5M	5	2.06	3.8	
	HTD 8M	8	3.36	6.0	
	HTD 14M	14	6.02	10.0	
	HTD 20M	20	8.4	13.20	

ARC Type Metric Pitch

STS S2M - S3M - S4.5 - S5M - S8M - S14M

	Type	P	H ₁	H ₂	Details Page
	S 2M	2	0.76	1.36	
	S 3M	3	1.14	2.20	
	S 4.5	4.5	1.71	2.81	
	S 5M	5	1.91	3.4	
	S 8M	8	3.05	5.3	
	S 14M	14	5.3	10.2	

APT®



APT[®] Rubber Timing Belts

ASHUTOSH

ARC Type Metric Pitch

All Dimensions in MM

RPP 2M - RPP 3M - RPP 5M - RPP 8M - RPP 14M

Type	P	H _t	H _s	Details Page No.
RPP 2M	2	0.76	1.36	
RPP 3M	3	1.15	1.9	
RPP 5M	5	1.95	3.5	
RPP 8M	8	3.2	5.5	
RPP 14M	14	6	10	

T Type Metric Pitch

T2.5 - T5 - T10 - T20

Type	P	H _t	H _s	Angle	Details Page No.
T2.5	2.5	0.7	1.3	40°	
T5	5	1.2	2.2	40°	
T10	10	2.5	4.5	40°	
T20	20	5	8	40°	

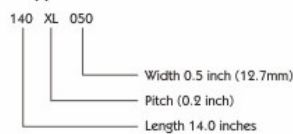
T Type Metric Pitch

AT5 - AT10 - AT20

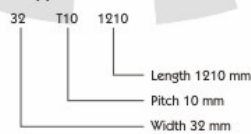
Type	P	H _t	H _s	Angle	Details Page No.
AT5	5	1.2	2.7	50°	
AT10	10	2.5	5	50°	
AT20	20	5	8	50°	

Ordering Examples :

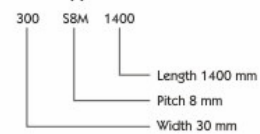
T Type Inch Pitch



T Type Metric Pitch



ARC Type Metric Pitch



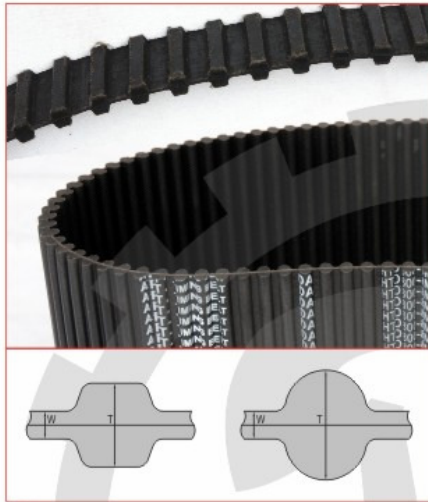
Note : Also available in PU with Steel Wire / Kevlar cord

APT[®]

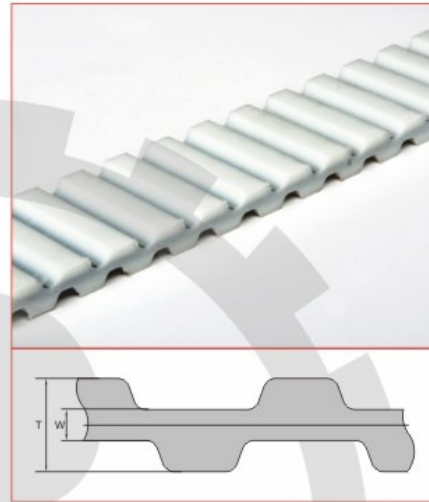


APT® Double Sided Timing Belts

ASHUTOSH



DA Type



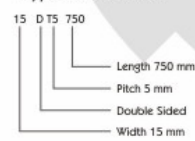
DB Type

Ordering Examples :

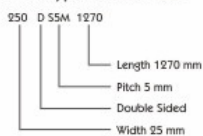
T Type Inch Pitch



T Type Metric Pitch



ARC Type Metric Pitch



Dimension of APT® Double Sided Timing Belts

Type	Size	Teeth No.
DXL	180XL~1970XL	90~985
DL	187L~1988L	50~530
DH	240H~2500H	48~500
DXH	700XH~2275XH	80~260
DT5	T5x500~T5x7000	100~1400
DT10	T10x500~T10x7050	50~705
AT10 DL	AT10x500~AT10x7000	50~700
D3M	501-3M~5010-3M	167~1670
D5M	500-5M~7000-5M	100~1400
D8M	512-8M~6880-8M	64~860
D14M	1750-14M~6860-14M	125~490
DS5M	S5M-435~S5M-7000	87~1400
DS8M	S8M-512~S8M-6880	64~860

Note : We can manufacture belt as per customer specification and drawing.





APT® PU Open Ended (M) Timing Belts

ASHUTOSH

All Dimensions in MM

XL - L - H - XH						
Type	P	H	H _t	W	Ø	
XL	5.08	2.3	1.27	1.37	50°	
L	9.525	3.6	1.9	3.2	40°	
H	12.7	4.36	2.29	4.4	40°	
XH	22.225	11.2	6.35	7.94	40°	
HTD5M - HTD8M - HTD14M						
Type	P	H	H _t			
HTD 5M	5	3.7	2.2			
HTD 8M	8	5.6	3.6			
HTD 14M	14	10.0	6.43			
STS - S5M - S8M - S14M						
Type	P	H	H _t			
S5M	5	3.4	1.91			
S8M	8	5.1	3.05			
S14M	14	10.0	5.3			
RPP5M - RPP8M - RPP14M (PAZ)						
Type	P	H	H _t			
RPP 5M	5	3.8	2.0			
RPP 8M	8	5.4	3.2			
RPP 14M	14	10.0	6.0			
T5 - T10 - T20						
Type	P	H	H _t	W		
T5	5	2.2	1.2	1.8		
T10	10	4.5	2.5	3.8		
T20	20	8.0	5.0	6.5		

APT®



APT® PU Open Ended (M) Timing Belts

ASHUTOSH

All Dimensions in MM

AT5- AT10- AT20						
	Type	P	H	H _t	W	
	AT5	5	2.7	1.2	2.5	
	AT10	10	4.5	2.5	5.0	
	AT20	20	8.0	5.0	10.0	
P1 - P2 - P4						
Type	H					
P1	1.0					
P2	2.0					
P4	4.0					
TG5 - TG10 - TG20 - ATG10 - ATG20 - HG						
	Type	P	H	H _t	B	h
	TG5	5	2.2	1.2	6	4
	TG10K6	10	4.5	2.5	6	4
	TG10K13	10	4.5	2.5	13	6.5
	TG20	20	8.0	5.0	13	6.5
	ATG10	10.0	4.5	2.5	13	6.5
	ATG20	20	8.0	5.0	13	6.5
HG K13	12.7	4.3	2.29	13	6.5	

Ordering Examples

APT® Timing Belts 25 / AT 10 / 2 500 / M / Steel / PAZ
 APT® Timing Belts 25 / AT 10 / 2 500 / V / Steel / Supergrip
 APT® Flex 25 / AT 10 / 2 500 / A fx / Steel / PUR

Width (mm) _____
 Pitch _____
 Length (mm) _____
 Open length (M) _____
 Welded endless (V) _____
 Truly endless (Afx) _____
 Tensile members _____
 Backing (optional) _____

Tolerances of open ended timing belts : (Width) : ± 0.5mm (Height) : ± 0.2mm (Length) : ± 0.5mm/m

Remark : (1) Standard rolls: 100 m 25 AT 10 (2) APT® flex lengths: 1,500 - 24,000 mm (3) Minimum length for spliced belt is 400mm

(4) Specific size available on request (5) Minimum order quantities for APT® and APT® flex on request.

APT®

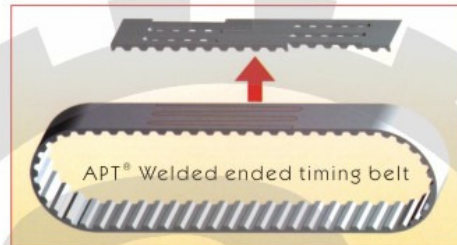


APT® PU Welded Endless (APT® V) & Flex Timing Belts (APT® Flex)

ASHUTOSH

APT® Welded endless timing belts :

APT® M belts can be joined to APT® V (welded endless) timing belts of different lengths. Tension Members run parallel to the edge with interrupted connection. Specific sizes can be manufactured on request subject to the following restrictions.



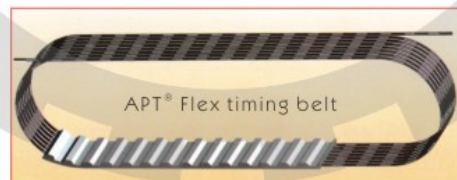
All Dimensions in MM

Type	AT5	AT10	AT20	T5	T10	T20	H	XH	L	XL
Min .length	400	400	1400	400	400	1400	400	1500	400	400
Max .width	100	150	150	100	150	101.6	101.6	101.6	101.6	50.8

Type	HTD3M	HTD5M	HTD8M	HTD14M	RPP5M	RPP8M	RPP14M	STD3M	STD8M	STD14M
Min .length	400	400	400	1240	400	400	1500	400	400	1500
Max .width	100	100	100	115	100	100	115	100	100	115

APT® Flex timing belts :

APT® Flex timing belts are made of twist wire (steel cord or kevlar cord) and shaped by rolling continuously once. So they have high tensile strength, great precision, good transmission stability and abrasion proof.



Specific sizes can be manufactured on request subject to

Length	Min. 3000	Max. 14000
Width	As per APT® V Table above.	

APT®

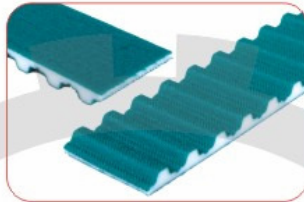


APT® Special Backings

ASHUTOSH



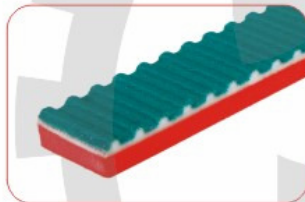
APT® Belt
With Linatex coating



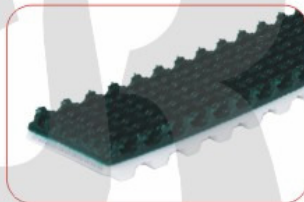
APT® Belt
With Polyamide fabric (PAZ)



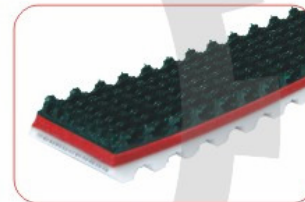
APT® Belt
With Clear polyurethane coating



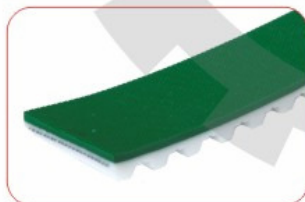
APT® Belt
With Linatex & PAZ coating



APT® Belt
With Supergrip coating



APT® Belt
With Linatex & Honey comb coating



APT® Belt
With PVC coating



APT® Belt
With Black rubber coating



APT® Belt
With Sponge coating

APT®



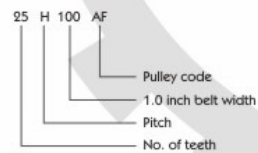
APT® Timing Pulley

ASHUTOSH

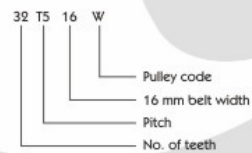
AS Type	BS Type	AF Type	BF Type	W Type

Ordering Examples :

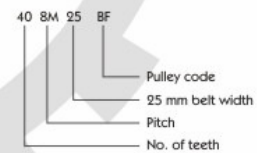
T Type Inch Pitch



T Type Metric Pitch



ARC Type Metric Pitch



Notes :

- The above are only exemplary representations for Timing Pulleys
- WE can supply Taper Lock Bush Pulleys as per customer requirements
- Our pulleys are well accepted by OEM as well as End users
- Manufacturing of Timing Pulleys can only be undertaken after receipt of approved drawing
- In case if drawing is not available, we will submit our drawing for approval.
- The material composition of Timing Pulleys is generally Aluminum, Steel or Cast Iron
- We can also carry out designing of New Timing Belt Drive System or Conversion of Frictional Drive System as well as Chain & Gear Drive System to Timing Belt Drive System.

APT®



APT® Special Designs

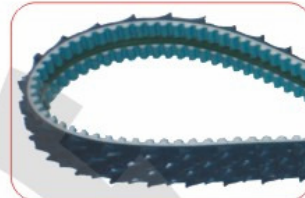
ASHUTOSH



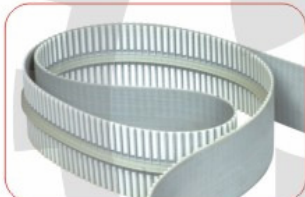
APT® Double-side timing belt
DB type



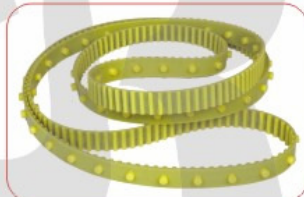
APT® Double-side timing belt
DA type



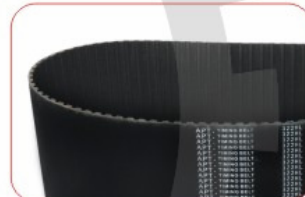
APT® Self-Tracking timing belt
with super grip



APT® Self-Tracking timing belt



APT® Special button belt
for textile machine



APT® timing belt
with special pitch



APT® Timing belt with
welded cleats



APT® Self-Tracking conveyor belt
with linatex coating



APT® Timing belt with
holes

APT®



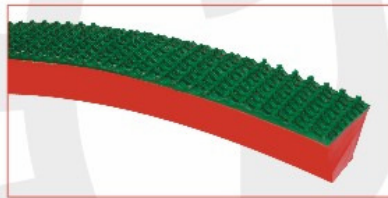
PU ROUND BELTS

are available in
Rough Finish as well as in Smooth Finish
DIA : 2mm, 3mm, 4mm, 5mm, 6mm, 8mm,
10mm, 12mm, 15mm, 18mm.



PU V BELTS

are available in
Reinforced and Without Reinforced
Sizes : A, B, C, D (A-13V, B-17V, C-22V, D-32V)



SUPER GRIPPED PU V BELTS

are available in
Reinforced and Without Reinforced
Sizes : A, B, C, D (A-13G, B-17G, C-22G, D-32G)



RIGGED PU V BELTS

are available in
Reinforced and Without Reinforced
Sizes : B, C (B-17R, C-22R)



COGGED V BELTS

Sizes : Available in section
AX, BX, CX, XPZ, XPA, XPB, XPC



APT® Other Products

ASHUTOSH



BANDED COGGED V BELTS

Sizes : AX, BX, CX, XPZ, XPA, XPB, XPC



POLY V BELTS

Sizes : Available in section
PJ, PK, PL, PM



CONVEYOR BELTS

Sizes : Made as per your requirement



FLAT BELTS

Sizes : Made as per your requirement



VARIABLE SPEED BELTS

Sizes : Made as per your requirement

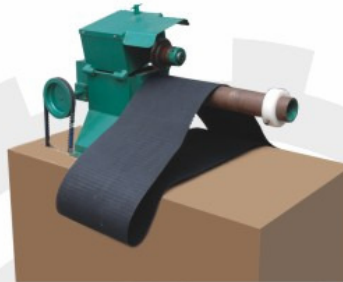
APT®



TIMING BELT



Manual
Cutting Machine
Single Blade

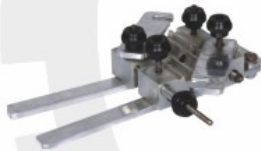


Motor Operated
Cutting Machine
Single Blade



Motor Operated
Cutting Machine
Multi Blade

PU V BELT & ROUND BELT



Joining Machine



Joining Heater



Cutter

FLAT BELT & CONVEYOR BELT



Flat Belt Hot Press



Splicer



Conveyor Belt Press



Belt Fasteners



APT[®] Timing Belt Drive Selection Form

ASHUTOSH

Client Name : _____ Contact Person : _____

Address : _____ Contact Number : _____

DRIVER DETAILS :

Type & Description _____

Rated HP _____ or Torque (Lb - Ln) _____

Rated Constant Speed (rpm) _____ If Variable Speed, Min. rpm _____ Max rpm _____

Shaft Dia. _____ Length _____ Key way Width _____ Key way Depth _____ Set Screw _____

Pulley Max OD _____ Pulley Max Width (Including HUB) _____

DRIVEN MACHINE DETAILS :

Types & Description _____

Types of Load : Uniform Light Shock Medium Shock Heavy Shock

Peak HP _____ or Torque (Lb - Ln) _____

Rated Constant Speed (rpm) _____ If Variable Speed, Min. rpm _____ Max rpm _____

Shaft Dia. _____ Length _____ Key way Width _____ Key way Depth _____ Set Screw _____

Pulley Max OD _____ Pulley Max Width (Including HUB) _____

CENTER DISTANCE DETAILS :

Minimum Required _____ Maximum Allowed _____

Type Of Adjustment : Adjustable Base None

Idler Pulley : None Inside Outside Slackside Tight side Diameter _____

SPECIAL CONSIDERATIONS :

Approx. Hours of Operation per day _____

Abnormal Temperatures

Excess : Oil Dust Water Abrasive Static

Starting Method : Clutch No Load

Operation : Frequent Stop & Start Load Reversals Other





Notes

ASHUTOSH

Lined area for writing notes, featuring a large, faint watermark of a gear with the letter 'R' inside.

APT[®]

PU V & Round Belts



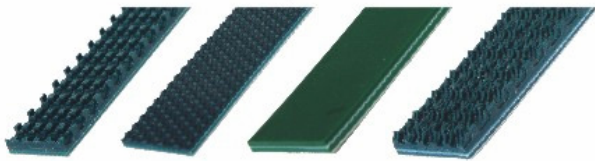
Accessories



Cogged V Belts & Variable Speed Belts



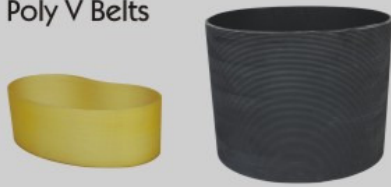
Conveyor Belts



Nylon Sandwich Belts



Poly V Belts



Seamless Belts



Special Belts





Ashutosh Power TransBelts Ltd.

707, " HEMKOOT ", Opp. Capital Com. Centre, Ashram Road, Ahmedabad - 380 009 INDIA.
Phone : +91-79 - 26580282, 26581238 Fax : +91-79 - 26581238 Mobile : +91-9879000589
e-mail : aptbelts@gmail.com website : www.aptbelts.com