

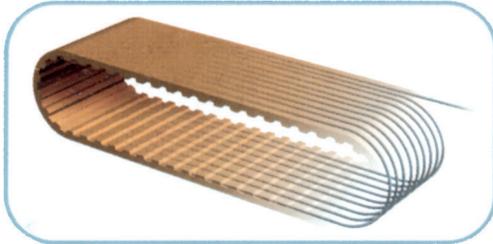
# POLYURETHANE TIMING BELTS



# ENDLESS SYNCHRONUS POLYURETHANE BELTS

## ASSEMBLY

Timing belts are made with high quality polyurethane. They are resistant to abrasion with steel traction cables and high resistance aramide fiber.



## PROPERTIES

Hardness of 92 Shore A  
 Temperature range of -30° to +80°.  
 Inner steel, inox or aramide cable.

<b>XL</b>	
standard width (mm)	
9,53	
reference	development (mm)
60	152,4
70	177,8
76	193,0
80	203,2
90	228,6
100	254,0
110	279,4
120	304,8
130	330,2
134	340,3
140	355,6
150	381,0
160	406,4
170	431,8
180	457,2
190	482,6
194	492,7
200	508,0
210	533,4
220	558,8
230	584,2
240	609,6
250	635,0
260	660,4
270	685,8
290	736,6
300	762,0
356	904,2
414	1051,5
450	1143,0
566	1437,6
670	1701,8

<b>L</b>	
standard width (mm)	
12,7 / 19,1 / 25,4	
reference	development (mm)
124	314,3
150	381,0
187	476,2
202	514,4
210	533,4
225	571,5
240	609,6
255	647,7
270	685,8
285	723,9
300	762,0
322	817,9
345	876,3
367	933,4
390	990,6
420	1066,8
450	1143,0
480	1219,2
510	1295,4
540	1371,6
570	1447,8
600	1524,0

<b>H</b>	
standard width (mm)	
19,1 / 25,4 / 38,1	
50,8 / 76,2	
reference	development (mm)
230	584,2
240	609,6
255	647,7
270	685,8
300	762,0
330	838,2
360	914,4
390	990,6
420	1066,8
450	1143,0
480	1219,2
510	1295,4

### **FURTHER MANUFACTURES**

MXL  
 3M 5M 8M 14M  
 STD 5M - STD 8M  
 RPP5 - RPP8 - RPP14  
 P1 - P2 - P4  
 TG5 - TG10 - TG20  
 ATG10 - ATG20  
 T20 - AT20  
 Double toothed

# ENDLESS SYNCHRONUS POLYURETHANE BELTS

<b>T 2.5</b>	
standard width (mm)	
6	
reference	number of teeth
120	48
145	58
160	64
177,5	71
182,5	73
200	80
210	84
230	92
245	98
265	106
285	114
290	116
305	122
317,5	127
330	132
380	152
420	168
480	192
500	200
540	216
600	240
620	248
650	260
680	272
780	312
880	352
915	366
950	380
1185	474

<b>T 5</b>	
standard width (mm)	
10 / 16 / 25	
reference	number of tooth
150	30
165	33
180	36
185	37
200	40
210	42
215	43
220	44
225	45
245	49
250	50
255	51
260	52
270	54
275	55
280	56
295	59
300	60
305	61
325	65
330	66
340	68
350	70
355	71
365	73
375	75
390	78
400	80
410	82
420	84
425	85
440	88
445	89

<b>T 5</b>	
standard width (mm)	
10 / 16 / 25	
reference	number of teeth
450	90
455	91
460	92
475	95
480	96
500	100
510	102
525	105
545	109
550	110
560	112
575	115
590	118
600	120
610	122
620	124
625	125
630	126
640	128
650	130
660	132
675	135
690	138
700	140
720	144
725	145
750	150
765	153
780	156
800	160
815	163
830	166
840	168
850	170
860	172
885	177
900	180
920	185
940	188
990	198
1000	200
1075	215
1100	220
1140	228
1160	232
1200	240
1215	243
1275	255
1280	256
1315	263
1350	270
1355	271
1380	276
1440	288
1580	316
1955	391

<b>T 10</b>	
standard width (mm)	
16 / 25 / 32 / 50	
reference	number of teeth
260	26
320	32
340	34
370	37
390	39
400	40
410	41
440	44
450	45
480	48
500	50
530	53
550	55
560	56
600	60
610	61
630	63
650	65
660	66
680	68
690	69
700	70
720	72
730	73
750	75
780	78
800	80
810	81
840	84
850	85
880	88
890	89
900	90
910	91
920	92
950	95
960	96
970	97
980	98
1000	100
1010	101
1050	105
1080	108
1100	110
1110	111
1140	114
1150	115
1200	120
1210	121
1240	124
1250	125
1300	130
1320	132
1350	135
1390	139
1400	140
1420	142
1440	144
1450	145
1460	146
1500	150
1560	156
1600	160
1610	161
1700	170
1750	175
1780	178
1800	180
1880	188
1960	196
2250	225

<b>AT 5</b>	
standard width (mm)	
10 / 16 / 25	
reference	number of teeth
225	45
255	51
280	56
300	60
330	66
340	68
375	75
390	78
420	84
450	90
455	91
480	96
500	100
525	105
545	109
600	120
610	122
630	126
660	132
710	142
720	144
750	150
780	156
825	165
860	172
975	195
1050	210
1125	225
1500	300
2000	400

<b>AT 10</b>	
standard width (mm)	
16 / 25 / 32 / 50	
reference	number of teeth
500	50
560	56
580	58
600	60
610	61
660	66
700	70
730	73
780	78
800	80
840	84
880	88
890	89
920	92
960	96
980	98
1000	100
1010	101
1050	105
1080	108
1100	110
1150	115
1200	120
1210	121
1250	125
1280	128
1300	130
1320	132
1350	135
1360	136
1400	140
1420	142
1480	148
1500	150
1600	160
1630	163
1700	170
1720	172
1800	180
1860	186
1940	194

## FURTHER MANUFACTURES

INOX CABLES - KEVLAR

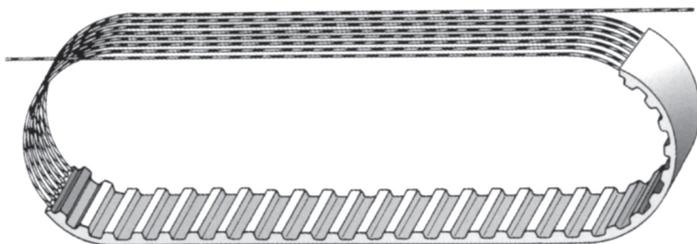
# FLEX TIMING BELTS

## Timing belts for power transmission

- Seamless FLEX timing belts
- Synchronous work
- High performance in power transmission

### Fabrication models

<b>T5</b>	<b>T10</b>	<b>T20</b>	<b>AT5</b>	<b>AT10</b>	<b>AT20</b>	
<b>5M</b>	<b>8M</b>	<b>14M</b>	<b>XL</b>	<b>L</b>	<b>H</b>	<b>XH</b>



Fabrication length from 1.740 mm to 24.000 mm

Steel, kevlar and inox cables of PU

92 Shore A quality

# CONVERTIBLE ATN10 TIMING BELTS

A more advanced solution for step, indexing and transport application that requires profiles.

It allows to place, exchange or reconfigure belts with a multitude of profiles. It can be easily performed using simple tools without having to remove or replace the belt.



Inserts for cleats  
subjection



## Characteristics

Step	10 mm
Max. width	100 mm
PU hardness	92°A
Material	TPU
Cable	Steel

STANDARD WIDTH (mm)	MAXIMUM LOAD (N)	MAXIMUM WELDED LOAD (N)	BREAKAGE LOAD (N)
25	3000	1000	11400
50	6000	2000	22800
75	9000	3000	34200
100	1200	4000	45600

# OPEN ENDED BELTS TO MTS



## Manufacturing program

TYPES			STANDARD WIDTH (Intermediate widths also available)												
METRIC	REF.	STEP	Milimetres	6	8	10	12	16	25	32	50	75	100	125	150
	T5	5 mm		x		x		x	x	x	x	x	x		
	T10	10 mm						x	x	x	x	x	x	x	x
	T20	20 mm							x	x	x	x	x	x	x
	AT5	5 mm				x		x	x	x	x	x	x		
	AT10	10 mm						x	x	x	x	x	x		x
	AT20	20 mm							x	x	x	x	x		x
INCHES			Code	025	031	037	050	075	100	150	200	300	400	600	
			Inches	1/4"	5/16"	3/8"	1/2"	3/4"	1"	1,5"	2"	3"	4"	6"	
	REF.	STEP inches	STEP mm	Milimetres	6,35	7,94	9,53	12,7	19,05	25,4	38,1	50,8	76,2	101,6	152,4
	XL	1/5"	5,080		x	x	x	x	x	x					
	L	3/8"	9,525				x	x	x	x	x				x
	H	1/2"	12,700					x	x	x	x	x	x	x	x
XH	7/8"	22,225							x	x	x	x	x	x	
METRIC	REF.	STEP	Milimetres	10	15	20	25	30	40	50	55	85	100	115	
	HTD 5M	5 mm		x	x		x			x					
	HTD 8M	8 mm		x	x	x		x		x		x	x		
	HTD 14M	14 mm					x		x		x	x	x	x	
	RPP 5	5 mm		x	x		x			x					
	RPP 8	8 mm		x	x	x		x		x		x	x		
	RPP 14	14 mm					x		x		x	x	x	x	

## EQUIVALENCES OF FINISHES BETWEEN BRANDS

### TPU BELTS

Belts to meters	A/B	A	M	LL
Closed belts	S/F	E	V	J
Fabric on the teeth	PAZ	NT	PAZ	NFT
Fabric on the spine	PAR	NB	PAR	NFB
Fabric on both sides	PAZ/PAR	NTB	PAZ/PAR	NFTB
Urethane coating	AUSF	HB	AUSF-T	AVAFC

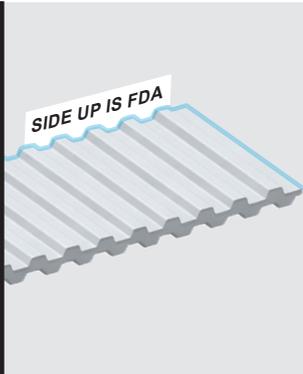
# DOUBLE TOOTHED BELTS

Double-toothed belts incorporate functional teeth on both sides of the belt, providing adaptation to specific timing, guiding, or transmission requirements.

The double-toothed design ensures even load distribution, reduced slippage, and more stable operation, even under demanding working conditions.

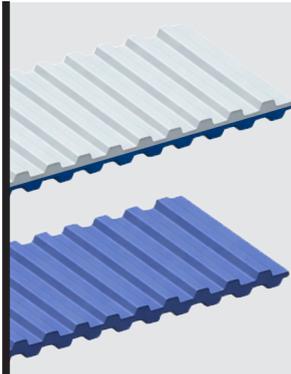
Available as **toothed belts by the meter** or as **sleeve belts for transmission**.

- **Minimum diameter 700 mm**
- **Maximum width 150 mm**



**AVAILABLE STEPS**

<b>T5</b>	<b>T10</b>	<b>T20</b>
<b>AT5</b>	<b>AT10</b>	<b>AT20</b>
<b>XL*</b>	<b>L</b>	<b>H</b>
<b>5M</b>	<b>8M</b>	<b>14M</b>



**100% FDA AVAILABLE STEPS**

<b>T5</b>	<b>T10</b>
<b>AT10</b>	

## Double toothed belt manufacturing program

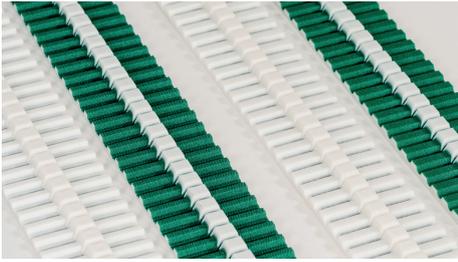
TYPES		STANDARD WIDTHS (Intermediate widths also available)												
REF.	STEP	Milimetres	6	8	10	12	16	25	32	50	75	100	125	150
<b>T5</b>	5 mm		x		x		x	x	x	x	x	x		
<b>T10</b>	10 mm						x	x	x	x	x	x	x	x
<b>T20</b>	20 mm							x	x	x	x	x	x	x
<b>AT5</b>	5 mm				x		x	x	x	x	x	x		
<b>AT10</b>	10 mm						x	x	x	x	x	x		x
<b>AT20</b>	20 mm							x	x	x	x	x		x

REF.	STEP	Milimetres	10	15	20	25	30	40	50	55	85	100	115
<b>HTD 5M</b>	5 mm		x	x		x			x				
<b>HTD 8M</b>	8 mm		x	x	x		x		x		x	x	
<b>HTD 14M</b>	14 mm					x		x		x	x	x	x

REF.	STEP inch.	STEP mm	Code	025	031	037	050	075	100	150	200	300	400	600
			Inches	1/4"	5/16"	3/8"	1/2"	3/4"	1"	1,5"	2"	3"	4"	6"
			Milimetres	6,35	7,94	9,53	12,7	19,05	25,4	38,1	50,8	76,2	101,6	152,4
<b>XL*</b>	1/5"	5,080		x	x	x	x	x	x					
<b>L</b>	3/8"	9,525			x	x	x	x	x	x				x
<b>H</b>	1/2"	12,700				x	x	x	x	x	x	x	x	x

\*XL Available upon request, please check availability.

# TIMING BELT FINISHES



- Fabric covering on teeth or back, or on both sides
- High resistance and flexibility cables
- Kevlar cables
- Manufacturing with inner K guide
- Polyamide finishes (PAZ - PAR)
- Steel, inox or kevlar inner cable

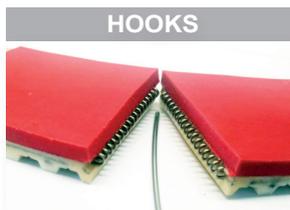
## FALSE TEETH



False teeth provide a secure fastening of cleats while allowing the toothed base of the belt to be maintained.

Available in different belt profiles.

## JOINING METHODS



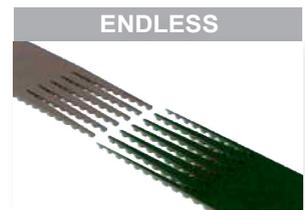
HOOKS



PIN - JOINT



CLAMPING PLATES



ENDLESS

# RANGE OF SPECIALIZED PRODUCTS

## FLAT BELT



- Its sealed edges prevent the cable from fraying
- Smooth operation without vibrations
- High strength combined with low elongation

## GPP BELT - HIGH POWER



- High tensile strength thanks to its reinforced steel cable
- The nylon in its toothed part offers high abrasion resistance
- Allows the use of small diameter pulleys

## SUPER FLEX POLAR BELT



- They maintain their flexibility at low temperatures down to -30°
- Suitable for heavy drives and loads
- Wide range of available sizes (width and length)

## BELT FOR THE HYGIENIC INDUSTRY



- Precise positioning of transported goods
- Silicone coating for easy glue removal
- Non-slip, easy to clean, and cut-resistant

# BASIC DIMENSIONS FOR IDENTIFICATION

