

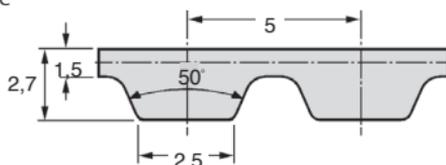
# AT-type timing belt



## Pitch AT5

Steel cored polyurethane

- 2<sup>nd</sup> generation metric profile
- Transmits a greater torque
- Pitch 5mm
- Working temp. -30°C to +80°C
- Max. speed 40m/s
- Efficiency: up to 98%
- Oil-resistant
- Low noise
- Resists stretching



### Info.

- When ordering, add the width to the part number.  
E.g.: AT5/525/25

### Accessories

- AT5 belts (tome 4 p.82)
- GTC tension rollers (tome 4 p.146)

### DISCOUNTS

Qty	1+	6+	20+
Disc.	List	-7%	On request

Part number	Length	No. of teeth	Price each 1 to 5 for widths		
			10mm	16mm	25mm
AT5/225	225	45	25,03 €	37,28 €	50,98 €
AT5/255	255	51	25,67 €	37,73 €	51,33 €
AT5/280	280	56	25,98 €	38,01 €	51,78 €
AT5/300	300	60	26,29 €	38,25 €	52,10 €
AT5/330	330	66	26,42 €	38,74 €	53,06 €
AT5/340	340	68	26,46 €	38,95 €	53,06 €
AT5/375	375	75	26,96 €	39,61 €	54,23 €
AT5/390	390	78	27,10 €	40,04 €	54,78 €
AT5/420	420	84	27,52 €	40,58 €	55,57 €
AT5/450	450	90	28,00 €	41,63 €	56,50 €
AT5/455	455	91	28,10 €	41,82 €	56,88 €
AT5/500	500	100	29,53 €	44,09 €	61,16 €
AT5/525	525	105	30,93 €	46,59 €	64,74 €
AT5/545	545	109	31,83 €	48,40 €	67,71 €
AT5/600	600	120	34,12 €	52,10 €	72,47 €
AT5/610	610	122	34,63 €	52,67 €	73,67 €
AT5/660	660	132	35,56 €	54,23 €	76,02 €
AT5/710	710	142	37,28 €	56,50 €	79,02 €
AT5/720	720	144	37,59 €	56,88 €	79,63 €
AT5/750	750	150	38,01 €	58,11 €	80,79 €
AT5/780	780	156	39,18 €	59,95 €	83,76 €
AT5/825	825	165	40,43 €	62,34 €	86,76 €
AT5/860	860	172	41,38 €	64,14 €	89,78 €
AT5/975	975	195	44,90 €	70,10 €	98,73 €
AT5/1050	1050	210	48,14 €	74,87 €	105,19 €
AT5/1125	1125	225	73,47 €	114,06 €	111,14 €
AT5/1500	1500	300	59,95 €	95,70 €	137,98 €
AT5/2000	2000	400	83,76 €	129,65 €	183,24 €

Dimensions en mm



# AT-type timing belt

## Steel cored polyurethane

## Pitch AT10

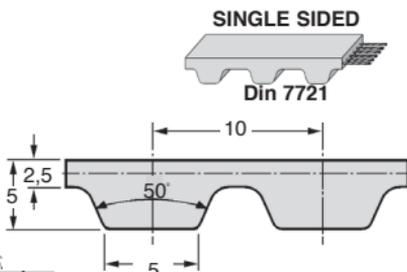
- 2<sup>nd</sup> generation metric profile
- Transmits a greater torque
- Pitch 10mm
- Working temp. -30°C to +80°C
- Max. speed 40m/s
- Efficiency: up to 98%
- Oil-resistant
- Low noise
- Resists stretching

### Info.

- When ordering, add the width to the part number E.g.: AT5/5.

### Accessories

- AT10 belts (tome 4 p.83)
- GTC tension rollers (tome 4 p.146)



### DISCOUNTS

Qty	1+	6+	20+
Disc.	List	-7%	On request

Part number	Length	No. of teeth	Price each 1 to 5 for widths		
			25mm	32mm	50mm
AT10/500	500	50	77.22 €	97.47 €	143.38 €
AT10/560	560	56	81.40 €	-	152.90 €
AT10/600	600	60	83.76 €	107.02 €	156.47 €
AT10/610	610	61	84.38 €	107.64 €	157.59 €
AT10/660	660	60	89.78 €	114.76 €	167.76 €
AT10/700	700	70	93.29 €	120.11 €	174.87 €
AT10/730	730	73	96.26 €	124.88 €	180.25 €
AT10/780	780	78	101.08 €	130.24 €	190.36 €
AT10/800	800	80	104.02 €	132.63 €	192.78 €
AT10/840	840	84	108.82 €	139.17 €	202.90 €
AT10/890	890	89	116.57 €	149.85 €	218.41 €
AT10/920	920	92	121.30 €	157.04 €	229.12 €
AT10/960	960	96	129.08 €	167.76 €	242.22 €
AT10/980	980	98	133.18 €	169.55 €	254.71 €
AT10/1000	1000	100	136.18 €	174.33 €	258.88 €
AT10/1010	1010	101	137.36 €	174.87 €	260.63 €
AT10/1050	1050	105	139.77 €	179.71 €	266.01 €
AT10/1080	1080	108	141.56 €	182.02 €	268.41 €
AT10/1100	1100	110	144.54 €	185.02 €	273.74 €
AT10/1150	1150	115	148.08 €	190.36 €	282.05 €
AT10/1200	1200	120	151.66 €	195.67 €	289.25 €
AT10/1210	1210	121	152.29 €	196.90 €	291.00 €
AT10/1250	1250	125	156.47 €	201.10 €	297.00 €
AT10/1280	1280	128	157.59 €	204.08 €	300.53 €
AT10/1300	1300	130	160.01 €	206.45 €	304.11 €
AT10/1320	1320	132	162.39 €	209.43 €	309.46 €
AT10/1350	1350	135	165.98 €	213.57 €	316.60 €
AT10/1360	1360	136	167.76 €	215.40 €	319.60 €
AT10/1400	1400	140	172.51 €	223.73 €	329.76 €
AT10/1480	1480	148	182.02 €	236.80 €	349.39 €
AT10/1500	1500	150	183.84 €	239.82 €	353.54 €
AT10/1600	1600	160	195.67 €	255.84 €	377.38 €
AT10/1700	1700	170	208.25 €	271.37 €	401.76 €
AT10/1720	1720	172	211.23 €	273.74 €	405.90 €
AT10/1800	1800	180	220.16 €	287.44 €	424.99 €
AT10/1860	1860	186	227.32 €	296.38 €	437.49 €
AT10/1940	1940	194	238.02 €	312.47 €	462.56 €

Dimensions in mm

# AT-type timing belt **per metre**



Pitch  
**AT5**  
**AT10**

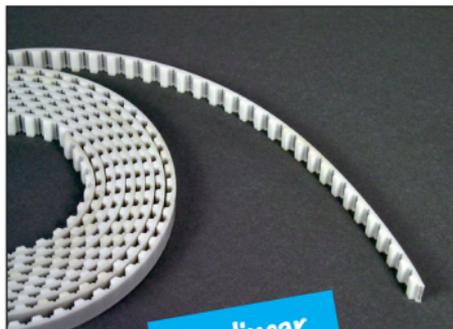
Steel cored polyurethane

SINGLE-SIDED



Din 7721

- 2nd generation metric profile
- Transmits a greater load
- Pitch 5 or 10mm
- For linear movements
- Secured using rigid connecting plates
- Working temp. -20°C to +80°C
- Max. speed 40m/s
- Tolerance over length  $\pm 0.8\text{mm}/1000\text{mm}$
- Efficiency: up to 98%
- Oil-resistant
- Low noise
- Resists stretching



For linear positioning

## Uses

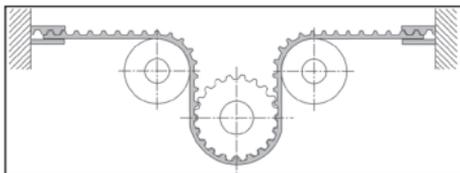
- For reciprocating movements

## Info.

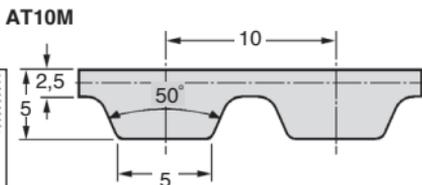
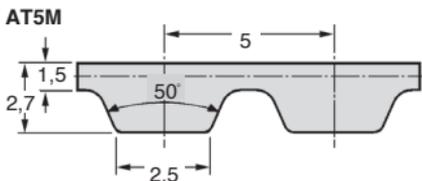
- Min. length: 1000mm
- Supplied in multiples of 1 metre
- When ordering, add the length (L) and the width (I) to the part number (AT5M/L/I).  
E.g.: AT5M/1000/16

## Accessories

- AT.../P connecting plate (tome 4 p.85)
- AT pulley (tome 4 p.62)



Typical application



## DISCOUNTS

Qty	1+	6+	20+
Disc.	List	-7%	On request

Part number	Pitch	Price 1 to 5, per metre for width				
		10mm	16mm	25mm	32mm	50mm
AT5M	AT5	37,57 €	44,64 €	83,69 €	-	-
AT10M	AT10	-	-	72,17 €	92,12 €	102,38 €

Dimensions in mm

# Alu Connecting plate for AT type timing belts

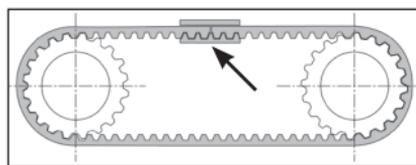
For AT5M and AT10M timing belts

Pitch  
**AT5**  
**AT10**

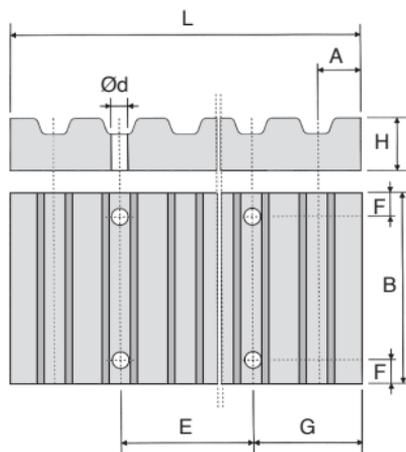
- For linear movement
- Rigid connecting plate
- Pitches: 5 and 10mm
- For use with **AT5M** and **AT10M** belts supplied by the metre
- Material:  
Aluminium

## Uses

- For closing a belt or attaching one end of a belt to a frame



Typical application



## DISCOUNTS

Qty	1+	6+	20+
Disc.	List	-10%	On request

Part number	Pitch	B	L	H	E	F	G	Ød	A	Belt width	Stock*	Price each 1 to 5
AT5/25P	AT5	44	41,5	8	25	6	8,25	5,5	3,25	25	✓	18,28 €
AT10/25P	AT10	50	80,0	15	50	8	15,00	9,0	5,00	25	✓	27,23 €
AT10/32P	AT10	57	80,0	15	50	8	15,00	9,0	5,00	32	✓	31,04 €
AT10/50P	AT10	75	80,0	15	50	8	15,00	9,0	5,00	50	✓	26,02 €

\*Depending on availability - Dimensions in mm



# Timing belt length

## Belt calculation



Each belt has a fixed length, therefore when designing your system include a mechanism for altering the distance between the pulleys so that the belt or chain can be tensioned correctly. Please see our ranges of belt idlers (**BTE, BTE/SS, TMR or TFR**) and rollers (**GTC or GTC/SS**). Please feel free to contact us if you need assistance when dimensioning your system.

### Determination of belt length

**D1** = Pitch diameter of large pulley  
**D2** = Pitch diameter of small pulley  
**A** = Center distance  
**L** = Total belt length  
**Z1** & **Z2** = No of teeth  
**P** = Pitch

$$D1 = \frac{Z_1 \cdot P}{\pi} \quad D2 = \frac{Z_2 \cdot P}{\pi}$$

$$\text{No. of teeth} = \frac{L}{P}$$

