

TIMING BELTS



PU TIMING BELTS

DUNLOP PU Timing Belts are manufactured with a unique thermoset moulding process. The high-grade polyurethane gives excellent abrasion and shear resistance, combined with a variety of graded steel cords, ensuring high strength and tractive resistance. The result is a timing belt with excellent dimensional stability. DUNLOP moulded Timing Belts are manufactured to a tight tolerance range, which

ensures consistent length and thickness. The combination of these factors results in DUNLOP PU Timing Belts performing to the highest physical and chemical levels.

DUNLOP PU timing belts are suitable for high power, precision motion and control even with high speed.

FEATURES

These belts have the following features:

Mechanical features

- Consistent dimensional stability
- Low pre-tension
- Low noise
- High abrasion resistance
- Low maintenance
- High flexibility
- Linear speeds up to 80 m/sec

Chemical features

- Good resistance to aging, hydrolysis, UVA rays, Ozone
- Working temperature: -25°C to 80°C (up to +110°C for short periods)
- High resistance to oils, fats and greases.
- Good resistance to most acids and Alkalis.

DUNLOP PU Timing Belts perform especially well on light synchronised and stepped drives, in office automation and domestic appliance applications.

OPEN ENDED TIMING BELTS

DUNLOP PU open ended timing belts are manufactured to tight tolerances, they deliver reliability and excellent dimensional stability. The addition of a Nylon coating on the tooth and/or the back of the belt during production, enhances the running properties for specific applications. An extra thickness of polyurethane is also possible on the back of the belt, offering extra protection against aggressive or heavy products.

DUNLOP PU open ended timing belts can be supplied as

open length rolls, or as endless jointed belts.

Open ended belts are manufactured as continuous lengths, with the reinforcement in a parallel configuration. Standard roll lengths are 50 or 100 metres, other lengths are available on request.

DUNLOP PU open ended timing belts are normally used in linear motion drives.

JOINED TIMING BELTS

DUNLOP jointed belts are manufactured using the thermoplastic properties of the open length belt, endless belts can be produced to any length by welding.

The finished joint is resistant to fatigue from flexing and tension, due to the unique symmetrical V shaped pattern of the joint.

Endless jointed belts are suitable for conveying applications, particularly when indexing and/or positive drive is required. Supplementary application of flights, profiles and coatings is possible, to suit specific applications.

They are also available with alternative reinforcement cords such as Kevlar (K), High Flex (HF), High Performance (HP) and High Performance Flex (HPF).



METRIC PITCH TIMING BELTS



METRIC PITCH PU TIMING BELTS

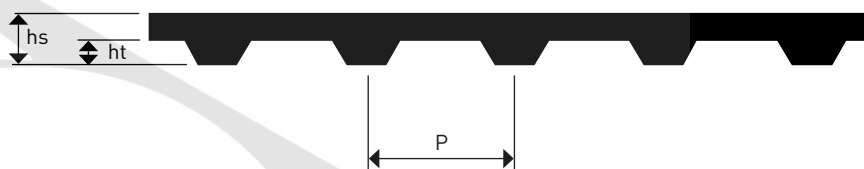
Description

Dunlop metric pitch timing belts are available with either single or double sided teeth, are manufactured using the most advanced thermoset moulding processes available. The high grade polyurethane gives excellent abrasion and shear resistance, combined with a variety of graded steel cords, ensuring high strength is maintained.

Features include consistent dimensional stability, low pre-tension, low noise, high abrasion resistance, low maintenance, high flexibility, linear speeds up to 80 m/sec. good resistance to heat with a working temperature range of -25°C to +80°C and a good resistance to oils, fats and greases.

Part numbers are identified by a letter and number (e.g. T10) which represents the belts pitch, followed by 3 or 4 numbers (e.g. 810) the belts length in mm, and a 2 digit number (e.g. 50) the belts width, for example T10-810-50.

Belt type	Pitch	h _s	h _t
T2.5	2.5	1.3	0.7
T5	5	2.2	1.2
T10	10	4.5	2.5
AT5	5	2.7	1.2
AT10	10	4.5	2.5



T2.5 - SECTION

Part Number	T2.5 CROSS SECTION		BELT WIDTH			
	Length (mm)	Number of teeth	4mm	6mm	8mm	10mm
T2.5-120-	120	48	04	06	08	10
T2.5-145-	145	58	04	06	08	10
T2.5-160-	160	64	04	06	08	10
T2.5-177.5-	177.5	71	04	06	08	10
T2.5-200-	200	80	04	06	08	10
T2.5-230-	230	92	04	06	08	10
T2.5-245-	245	98	04	06	08	10
T2.5-265-	265	106	04	06	08	10
T2.5-285-	285	114	04	06	08	10
T2.5-290-	290	116	04	06	08	10
T2.5-305-	305	122	04	06	08	10
T2.5-330-	330	132	04	06	08	10
T2.5-380-	380	152	04	06	08	10
T2.5-420-	420	168	04	06	08	10
T2.5-480-	480	192	04	06	08	10
T2.5-500-	500	200	04	06	08	10
T2.5-600-	600	240	04	06	08	10
T2.5-620-	620	248	04	06	08	10
T2.5-650-	650	260	04	06	08	10
T2.5-680-	680	272	04	06	08	10
T2.5-780-	780	312	04	06	08	10
T2.5-880-	880	352	04	06	08	10
T2.5-915-	915	366	04	06	08	10
T2.5-950-	950	380	04	06	08	10
T2.5-1185-	1185	474	04	06	08	10

METRIC PITCH TIMING BELTS



T2.5 - SECTION continued

T2.5 CROSS SECTION			BELT WIDTH			
Part Number	Length (mm)	Number of teeth	4mm	6mm	8mm	10mm
T2.5-480-	480	192	04	06	08	10
T2.5-500-	500	200	04	06	08	10
T2.5-600-	600	240	04	06	08	10
T2.5-620-	620	248	04	06	08	10
T2.5-650-	650	260	04	06	08	10
T2.5-680-	680	272	04	06	08	10
T2.5-780-	780	312	04	06	08	10
T2.5-880-	880	352	04	06	08	10
T2.5-915-	915	366	04	06	08	10
T2.5-950-	950	380	04	06	08	10
T2.5-1185-	1185	474	04	06	08	10

T5 - SECTION

T5 CROSS SECTION			BELT WIDTH				
Part Number	Length (mm)	Number of teeth	8mm	10mm	12mm	16mm	25mm
T5-200-	200	40	08	10	12	16	25
T5-215-	215	43	08	10	12	16	25
T5-220-	220	44	08	10	12	16	25
T5-225-	225	45	08	10	12	16	25
T5-245-	245	49	08	10	12	16	25
T5-255-	255	51	08	10	12	16	25
T5-260-	260	52	08	10	12	16	25
T5-280-	280	56	08	10	12	16	25
T5-295-	295	59	08	10	12	16	25
T5-305-	305	61	08	10	12	16	25
T5-330-	330	66	08	10	12	16	25
T5-340-	340	68	08	10	12	16	25
T5-350-	350	70	08	10	12	16	25
T5-365-	365	73	08	10	12	16	25
T5-390-	390	78	08	10	12	16	25
T5-400-	400	80	08	10	12	16	25
T5-410-	410	82	08	10	12	16	25
T5-420-	420	84	08	10	12	16	25
T5-455-	455	91	08	10	12	16	25
T5-475-	475	95	08	10	12	16	25
T5-480-	480	96	08	10	12	16	25
T5-500-	500	100	08	10	12	16	25
T5-510-	510	102	08	10	12	16	25
T5-525-	525	105	08	10	12	16	25
T5-545-	545	109	08	10	12	16	25
T5-550-	550	110	08	10	12	16	25
T5-560-	560	112	08	10	12	16	25
T5-575-	575	115	08	10	12	16	25
T5-610-	610	122	08	10	12	16	25

METRIC PITCH TIMING BELTS



T5 - SECTION continued

T5 CROSS SECTION			BELT WIDTH				
Part Number	Length (mm)	Number of teeth	8mm	10mm	12mm	16mm	25mm
T5-620-	620	124	08	10	12	16	25
T5-630-	630	126	08	10	12	16	25
T5-650-	650	130	08	10	12	16	25
T5-660-	660	132	08	10	12	16	25
T5-690-	690	138	08	10	12	16	25
T5-720-	720	144	08	10	12	16	25
T5-750-	750	150	08	10	12	16	25
T5-780-	780	156	08	10	12	16	25
T5-815-	815	163	08	10	12	16	25
T5-830-	830	166	08	10	12	16	25
T5-840-	840	168	08	10	12	16	25
T5-885-	885	177	08	10	12	16	25
T5-900-	900	180	08	10	12	16	25
T5-990-	990	198	08	10	12	16	25
T5-1075-	1075	215	08	10	12	16	25
T5-1100-	1100	220	08	10	12	16	25
T5-1215-	1215	243	08	10	12	16	25

T10 - SECTION

T10 CROSS SECTION			BELT WIDTH				
Part Number	Length (mm)	Number of teeth	12mm	16mm	25mm	32mm	50mm
T10-260-	260	26	12	16	25	32	50
T10-370-	370	37	12	16	25	32	50
T10-400-	400	40	12	16	25	32	50
T10-410-	410	41	12	16	25	32	50
T10-440-	440	44	12	16	25	32	50
T10-500-	500	50	12	16	25	32	50
T10-530-	530	53	12	16	25	32	50
T10-560-	560	56	12	16	25	32	50
T10-600-	600	60	12	16	25	32	50
T10-610-	610	61	12	16	25	32	50
T10-630-	630	63	12	16	25	32	50
T10-660-	660	66	12	16	25	32	50
T10-690-	690	69	12	16	25	32	50
T10-700-	700	70	12	16	25	32	50
T10-720-	720	72	12	16	25	32	50
T10-750-	750	75	12	16	25	32	50
T10-780-	780	78	12	16	25	32	50
T10-810-	810	81	12	16	25	32	50
T10-840-	840	84	12	16	25	32	50
T10-880-	880	88	12	16	25	32	50
T10-890-	890	89	12	16	25	32	50
T10-900-	900	90	12	16	25	32	50
T10-920-	920	92	12	16	25	32	50

METRIC PITCH TIMING BELTS



T10 - SECTION continued

T10 CROSS SECTION			BELT WIDTH				
Part Number	Length (mm)	Number of teeth	12mm	16mm	25mm	32mm	50mm
T10-960-	960	96	12	16	25	32	50
T10-970-	970	97	12	16	25	32	50
T10-980-	980	98	12	16	25	32	50
T10-1010-	1010	101	12	16	25	32	50
T10-1080-	1080	108	12	16	25	32	50
T10-1110-	1110	111	12	16	25	32	50
T10-1140-	1140	114	12	16	25	32	50
T10-1150-	1150	115	12	16	25	32	50
T10-1210-	1210	121	12	16	25	32	50
T10-1240-	1240	124	12	16	25	32	50
T10-1250-	1250	125	12	16	25	32	50
T10-1300-	1300	130	12	16	25	32	50
T10-1320-	1320	132	12	16	25	32	50
T10-1350-	1350	135	12	16	25	32	50
T10-1390-	1390	139	12	16	25	32	50
T10-1400-	1400	140	12	16	25	32	50
T10-1420-	1420	142	12	16	25	32	50
T10-1460-	1460	146	12	16	25	32	50
T10-1500-	1500	150	12	16	25	32	50
T10-1560-	1560	156	12	16	25	32	50
T10-1610-	1610	161	12	16	25	32	50
T10-1750-	1750	175	12	16	25	32	50
T10-1780-	1780	178	12	16	25	32	50
T10-1880-	1880	188	12	16	25	32	50
T10-1960-	1960	196	12	16	25	32	50
T10-2250-	2250	225	12	16	25	32	50

AT5 - SECTION

AT5 CROSS SECTION			BELT WIDTH				
Part Number	Length (mm)	Number of teeth	8mm	10mm	12mm	16mm	25mm
AT5-225-	225	45	08	10	12	16	25
AT5-255-	255	51	08	10	12	16	25
AT5-280-	280	56	08	10	12	16	25
AT5-300-	300	60	08	10	12	16	25
AT5-330-	330	66	08	10	12	16	25
AT5-340-	340	68	08	10	12	16	25
AT5-375-	375	75	08	10	12	16	25
AT5-390-	390	78	08	10	12	16	25
AT5-420-	420	84	08	10	12	16	25
AT5-450-	450	90	08	10	12	16	25
AT5-455-	455	91	08	10	12	16	25
AT5-500-	500	100	08	10	12	16	25
AT5-545-	545	109	08	10	12	16	25
AT5-600-	600	120	08	10	12	16	25

METRIC PITCH TIMING BELTS



AT5 - SECTION continued

AT5 CROSS SECTION			BELT WIDTH				
Part Number	Length (mm)	Number of teeth	8mm	10mm	12mm	16mm	25mm
AT5-610-	610	122	08	10	12	16	25
AT5-660-	660	132	08	10	12	16	25
AT5-710-	710	142	08	10	12	16	25
AT5-720-	720	144	08	10	12	16	25
AT5-750-	750	150	08	10	12	16	25
AT5-780-	780	156	08	10	12	16	25
AT5-825-	825	165	08	10	12	16	25
AT5-860-	860	172	08	10	12	16	25
AT5-975-	975	195	08	10	12	16	25
AT5-1050-	1050	210	08	10	12	16	25
AT5-1125-	1125	225	08	10	12	16	25
AT5-1500-	1500	300	08	10	12	16	25
AT5-2000-	2000	400	08	10	12	16	25

AT10 - SECTION

AT10 CROSS SECTION			BELT WIDTH				
Part Number	Length (mm)	Number of teeth	12mm	16mm	25mm	32mm	50mm
AT10-500-	500	50	12	16	25	32	50
AT10-560-	560	56	12	16	25	32	50
AT10-600-	600	60	12	16	25	32	50
AT10-610-	610	61	12	16	25	32	50
AT10-660-	660	66	12	16	25	32	50
AT10-700-	700	70	12	16	25	32	50
AT10-730-	730	73	12	16	25	32	50
AT10-780-	780	78	12	16	25	32	50
AT10-800-	800	80	12	16	25	32	50
AT10-840-	840	84	12	16	25	32	50
AT10-880-	880	88	12	16	25	32	50
AT10-890-	890	89	12	16	25	32	50
AT10-920-	920	92	12	16	25	32	50
AT10-960-	960	96	12	16	25	32	50
AT10-980-	980	98	12	16	25	32	50
AT10-1000-	1000	100	12	16	25	32	50
AT10-1010-	1010	101	12	16	25	32	50
AT10-1050-	1050	105	12	16	25	32	50
AT10-1080-	1080	108	12	16	25	32	50
AT10-1100-	1100	110	12	16	25	32	50
AT10-1150-	1150	115	12	16	25	32	50
AT10-1200-	1200	120	12	16	25	32	50
AT10-1210-	1210	121	12	16	25	32	50
AT10-1220-	1220	122	12	16	25	32	50
AT10-1250-	1250	125	12	16	25	32	50
AT10-1280-	1280	128	12	16	25	32	50
AT10-1300-	1300	130	12	16	25	32	50

METRIC PITCH TIMING BELTS



AT10 - SECTION continued

AT10 CROSS SECTION			BELT WIDTH				
Part Number	Length (mm)	Number of teeth	12mm	16mm	25mm	32mm	50mm
AT10-1320-	1320	132	12	16	25	32	50
AT10-1350-	1350	135	12	16	25	32	50
AT10-1360-	1360	136	12	16	25	32	50
AT10-1400-	1400	140	12	16	25	32	50
AT10-1420-	1420	142	12	16	25	32	50
AT10-1480-	1480	148	12	16	25	32	50
AT10-1500-	1500	150	12	16	25	32	50
AT10-1600-	1600	160	12	16	25	32	50
AT10-1700-	1700	170	12	16	25	32	50
AT10-1720-	1720	172	12	16	25	32	50
AT10-1800-	1800	180	12	16	25 <td 32	50	
AT10-1860-	1860	186	12	16	25	32	50
AT10-1940-	1940	194	12	16	25	32	50

