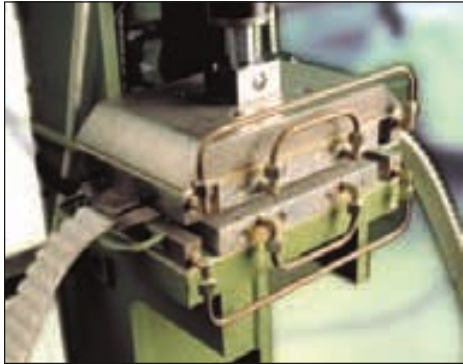


MEGALINEAR PU open-end timing belts



MEGALINEAR PU open-end timing belts



MEGALINEAR open length timing belts are manufactured in thermoplastic polyurethane, that gives superior wear and abrasion resistance. Various grades of steel cords offer good running characteristics, even with high tractive loads.

Manufactured to tight tolerances, Megalinear delivers 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.

MEGALINEAR offers 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
- High precision linear positioning

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
- Compatible for fabrication with other thermoplastic materials

MEGALINEAR can be supplied as open length rolls, or as endless jointed belts.

OPEN LENGTH Belts

These are manufactured as continuous lengths, with the reinforcement in a parallel configuration. Standard roll lengths are 50 or 100 metres. Other lengths available on request.

MEGALINEAR belts as an open length are normally used in linear motion drives.

ENDLESS JOINTED belts

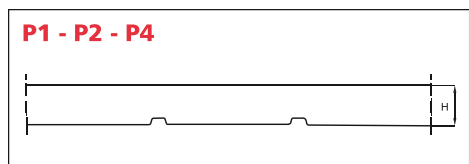
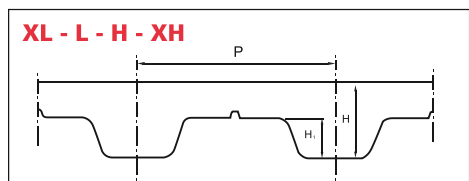
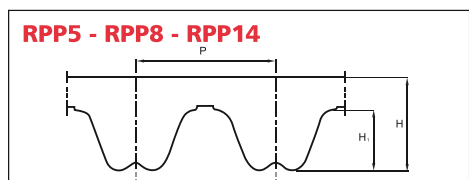
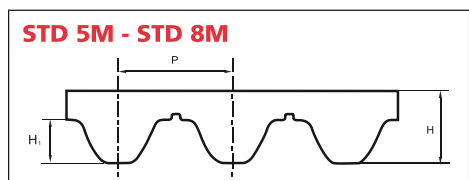
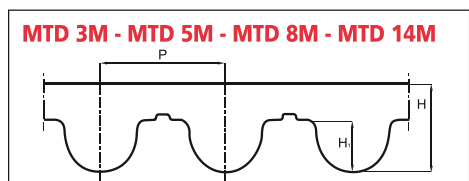
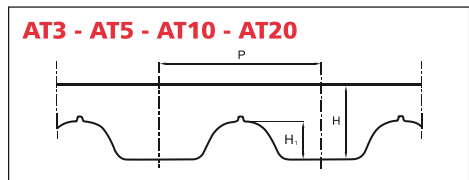
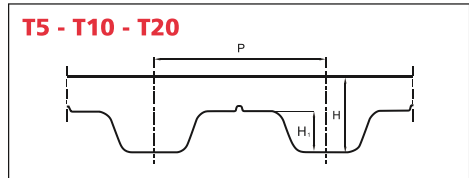
By jointing using the thermoplastic properties of the open length belt, endless belts can be produced to any length by welding. The finished joint is resistant to fatigue from flexing and tension, due to the unique symmetrical Vee shaped pattern of the joint.

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.

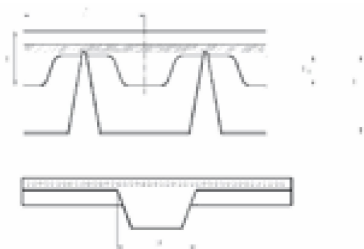
MEGALINEAR is also available with alternative reinforcement cords such as, Kevlar (K), High Flex (HF), High Performance (HP) and High Performance Flex (HPF).



MEGALINEAR PU open-end timing belts



TG5 - TG10 - TG20 - ATG5 - ATG10 - ATG20 - HG



MTD 3M	MTD 5M	MTD 8M	MTD 14M
Std. width (mm)	Std. width (mm)	Std. width (mm)	Std. width (mm)
10	10	10	25
20	15	15	40
25	25	20	55
50	50	30	85
		50	100
		85	115
		100	

P	3	P	5	P	8	P	14
H	2,2	H	3,6	H	5,6	H	10
H ₁	1,13	H ₁	2,1	H ₁	3,4	H ₁	6,1

RPP5	RPP8	RPP14
Std. width (mm)	Std. width (mm)	Std. width (mm)
10	10	40
15	15	55
25	20	85
30	30	115
50	50	150
75	85	
	100	

P	5	P	8	P	14
H	3,8	H	5,4	H	10
H ₁	2	H ₁	3,2	H ₁	6

TG5 K6	TG10 K6	TG10 K13	TG20 K13
Std. width (mm)	Std. width (mm)	Std. width (mm)	Std. width (mm)
25	50	25	50
32		32	75
50		50	100
		75	
		100	

P	5	P	10	P	10	P	20
H	2,2	H	4,5	H	4,5	H	8
H ₁	1,2	H ₁	2,5	H ₁	2,5	H ₁	5
B	6	B	6	B	13	B	13
h	4	h	3,3	h	6,5	h	5,5

ATG5 K6	ATG10 K13	ATG20 K13	HG K13
Std. width (mm)	Std. width (mm)	Std. width (mm)	Std. width (inches)
25	25	75	1,50
32	32	150	2,00
50	50		3,00
	75		4,00
	100		
	150		

P	5	P	10	P	20	P	12,7
H	2,7	H	4,5	H	8	H	4,3
H ₁	1,2	H ₁	2,5	H ₁	5	H ₁	2,29
B	6	B	13	B	13	B	13
h	4	h	7	h	6,4	h	6,29

MEGALINEAR PU open-end timing belts

XL		L		H		H*		XH	
Std. width (inches)		Std. width (inches)		Std. width (inches)		Std. width (inches)		Std. width (inches)	
0.25		0.37		0.50		8.00		1.00	
0.37		0.50		0.75		20.00		1.50	
0.50		0.75		1.00				2.00	
0.75		1.00		1.50				3.00	
1.00		1.50		2.00				4.00	
1.50		2.00		3.00				6.00	
2.00		4.00		6.00					
P	5,08	P	9,525	P	12,7	P	12,7	P	22,225
H	2,3	H	3,6	H	4,3	H	4,3	H	11,2
H ₁	1,27	H ₁	1,90	H ₁	2,29	H ₁	2,29	H ₁	6,35

T5		T10		T10*		T20	
Std. width (mm)		Std. width (mm)		Std. width (mm)		Std. width (mm)	
6		12		200		25	
10		16		250		32	
16		25		300		50	
25		32		400		75	
32		50		450		100	
50		75		500		150	
75		100					
100		150					
P	5	P	10	P	10	P	20
H	2,2	H	4,5	H	4,5	H	8
H ₁	1,2	H ₁	2,5	H ₁	2,5	H ₁	5

AT3		AT5		AT10		AT20	
Std. width (mm)		Std. width (mm)		Std. width (mm)		Std. width (mm)	
10		6		16		25	
20		10		25		32	
25		16		32		50	
50		25		50		75	
		32		75		100	
		50		100		150	
		75		150		200	
		100					
P	3	P	5	P	10	P	20
H	1,9	H	2,7	H	4,5	H	8
H ₁	1,1	H ₁	1,2	H ₁	2,5	H ₁	5

STD 5M		STD 8M	
Std. width (mm)		Std. width (mm)	
10		10	
15		12	
25		15	
50		20	
		30	
		50	
		85	
P	5	P	8
H	3,4	H	5,1
H ₁	1,91	H ₁	3,05

P1		P2		P4	
Std. width (mm)		Std. width (mm)		Std. width (mm)	
10		25		25	
20		50		50	
		75		100	
		100			
H	1	H	2	H	4



*Only with kevlar cords and reduced number of cords