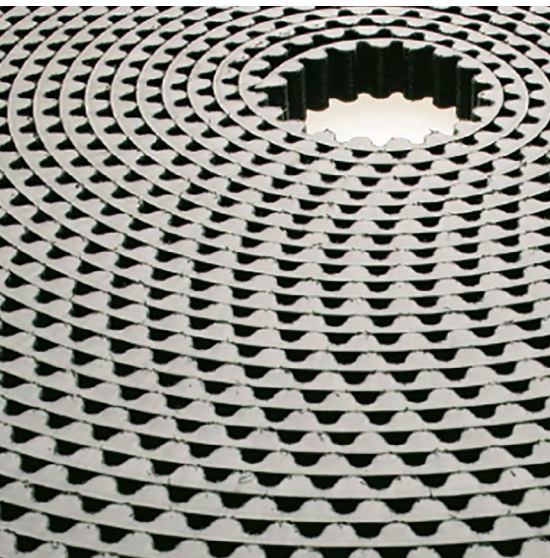




MEGALINEAR

PU OPEN-ENDED TIMING BELTS

MEGALINEAR open-ended 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 can be supplied as open length rolls (standard roll length is 100 metres) or as endless jointed belts, available in a wide range of solutions with numerous tooth design: Imperial profile, metric profile with or without guide, parabolic profile, flat...

MEGALINEAR is also available with alternative reinforcement cords such as:

- Kevlar (K)
- High Flex (HF)
- High Performance (HP)
- Extra High Performance (XHP2)
- High Performance Flex (HPF).

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, hydrolisis, 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 Alkalies
- Compatible for fabrication with other thermoplastic materials

Megadyne has expanded its range of MEGALINEAR with the new belts: **MEGALINEAR QST, MEGALINEAR GW AND MEGALINEAR FC - FCM - XMD, MEGALINEAR MegaEco Biobased.**

MEGALINEAR QST

Specifically designed to reduce the noise level generated during high speed operation, the MEGALINEAR QST is completely self-tracking, there is no need for flanges on the pulleys. The nylon faced helical offset teeth provide a high torque capacity.

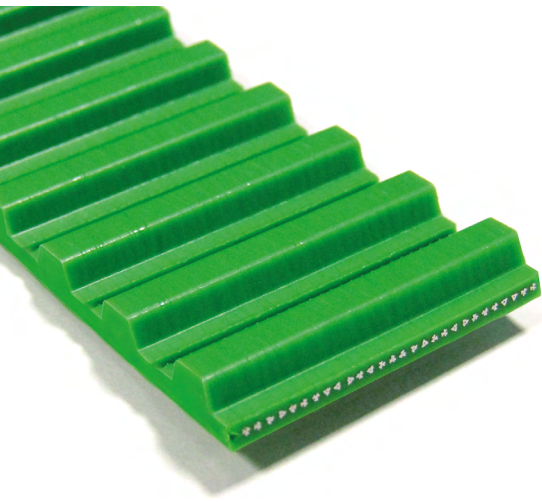
MEGALINEAR GW

For heavy applications, Megadyne introduces the MEGALINEAR GW, a high performance thermoplastic polyurethane belt, that guarantees a greater transmittable power under continuous high loads.

MEGALINEAR FC, FCM, XMD

MEGALINEAR FC and FCM belts match the power and precision for synchronous conveying meeting the criteria where food contact is required. These belts guarantee zero risk of slippage, even in greasy and humid environment, and zero risk of fraying and detaching of back profile.

Both MEGALINEAR FC and FCM can be made with a special Metal and X-ray detectable compound. MEGALINEAR XMD decreases the risk of contamination from belt fragments protecting Consumer Safety.



MEGALINEAR

PU OPEN-ENDED TIMING BELTS

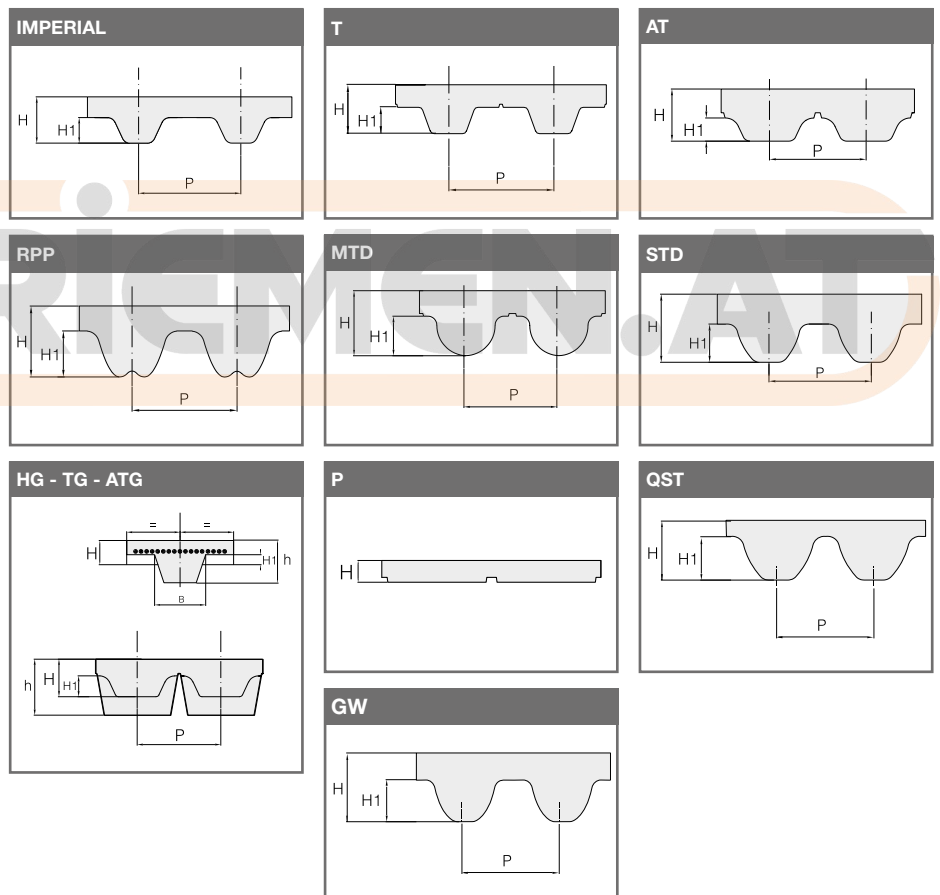
MEGALINEAR MegaEco Biobased

MEGALINEAR MegaEco Biobased is a part of the Megadyne MegaEco range, the sustainable belt solution for power transmission system. Made with polymer coming partially from vegetable sources, this "eco-friendly" belt can support companies to reduce CO₂ footprint.

MEGALINEAR MegaEco Biobased AT10 is available from stock. Please contact Megadyne team for information about other pitches.



STANDARD RANGE:



MEGALINEAR - PU OPEN-ENDED TIMING BELTS

MXL		XL		L		H		H*	
STD. WIDTH (inches)		STD. WIDTH (inches)		STD. WIDTH (inches)		STD. WIDTH (inches)		STD. WIDTH (inches)	
0,17		0,25		0,37		0,50		8,00	
0,37		0,37		0,50		0,75		10,00	
0,50		0,50		0,75		1,00		12,00	
		0,75		1,00		1,50		16,00	
		1,00		1,50		2,00		20,00	
		1,50		2,00		3,00			
		2,00		4,00		4,00			
						6,00			
P	2,032	P	5,08	P	9,525	P	12,7	P	12,7
H	1,14	H	2,3	H	3,6	H	4,3	H	4,3
H ₁	0,66	H ₁	1,27	H ₁	1,90	H ₁	2,29	H ₁	2,29

XH		T2.5		T5		T5*		T10	
STD. WIDTH (inches)		STD. WIDTH (mm)		STD. WIDTH (mm)		STD. WIDTH (mm)		STD. WIDTH (mm)	
1,00		10		6		250		12	
1,50		16		10		500		16	
2,00		20		16				25	
3,00				25				32	
4,00				32				50	
6,00				50				75	
				75				100	
				100				150	
				150					
P	22,225	P	2,5	P	5	P	5	P	10
H	11,2	H	1,3	H	2,2	H	2,20	H	4,5
H ₁	6,35	H ₁	0,7	H ₁	1,2	H ₁	1,2	H ₁	2,5

T10*		T10 WITHOUT GAP		T20		AT3		AT5	
STD. WIDTH (mm)		STD. WIDTH (mm)		STD. WIDTH (mm)		STD. WIDTH (mm)		STD. WIDTH (mm)	
200		16		25		10		6	
250		25		32		20		10	
300		32		50		25		16	
400		50		75		50		25	
450		75		100				32	
500				150				50	
								75	
								100	
P	10	P	10	P	20	P	3	P	5
H	4,5	H	4,5	H	8	H	1,9	H	2,7
H ₁	2,5	H ₁	2,5	H ₁	5	H ₁	1,1	H ₁	1,2

* Only with Kevlar® cords and reduced number of cords

MEGALINEAR - PU OPEN-ENDED TIMING BELTS

AT10	
STD. WIDTH (mm)	
16	
25	
32	
50	
75	
100	
150	
P	10
H	4,5
H ₁	2,5

AT10 WITHOUT GAP	
STD. WIDTH (mm)	
25	
32	
50	
75	
100	
P	10
H	4,5
H ₁	2,5

MEGAC4T™ AT10	
STD. WIDTH (mm)	
	25
	50
	75
	100
	</

AT20	
STD. WIDTH (mm)	
25	
32	
50	
75	
100	
150	
200	
P	20
H	8
H ₁	5

RPP5	
STD. WIDTH (mm)	
	10
	15
	25
	30
	50
	75
P	5
H	3,8
H1	2

RPP8	
STD. WIDTH (mm)	
10	
15	
20	
30	
50	
85	
100	
P	8
H	5,4
H ₁	3,2

RPP14	
STD. WIDTH (mm)	
	40
	55
	85
	115
	150
P	14
H	10
H ₁	6

RPP14 XHP2	
STD. WIDTH (mm)	
	40
	55
	85
	115
	150
P	14
H	10,2
H ₁	6

MTD 3	
STD. WIDTH (mm)	
10	
20	
25	
50	
P	3
H	2,2
H ₁	1,13

MTD 5	
STD. WIDTH (mm)	
10	
15	
25	
50	
P	5
H	3,6
H ₁	2,1

MTD 8	
STD. WIDTH (mm)	
10	
15	
20	
30	
50	
85	
100	
P	8
H	5,6
H ₁	3,4

MTD 14	
STD. WIDTH (mm)	
	25
	40
	55
	85
	100
	115
P	14
H	10
H ₁	6,1

MTD14 XHP2	
STD. WIDTH (mm)	
	25
	40
	55
	85
	100
	115
P	14
H	10
H ₁	6,1

STD 5	
STD. WIDTH (mm)	
	10
	15
	25
	50
	75
	100
	150
P	5
H	3,4
H ₁	1,91



MEGALINEAR - PU OPEN-ENDED TIMING BELTS

STD 8		TG5		TG10 K6		TG10 K13		TG20	
STD. WIDTH (mm)		STD. WIDTH (mm)		STD. WIDTH (mm)		STD. WIDTH (mm)		STD. WIDTH (mm)	
10		25		50		25		50	
12		32				32		75	
15		50				50		100	
20						75			
30						100			
50									
85									
P	8	P	5	P	10	P	10	P	20
H	5,1	H	2,2	H	4,5	H	4,5	H	8
H ₁	3,05	H ₁	1,2	H ₁	2,5	H ₁	2,5	H ₁	5
		B	6	B	6	B	13	B	13
		h	5	h	5,3	H	8,5	h	8,5

ATG5		ATG10 K6		ATG10 K13		ATG20		HG	
STD. WIDTH (mm)		STD. WIDTH (mm)		STD. WIDTH (mm)		STD. WIDTH (mm)		STD. WIDTH (inch)	
25		50		25		75		1,50	
32				32		150		2,00	
50				50				3,00	
				75				4,00	
				100				6,00	
				150					
P	5	P	10	P	10	P	20	P	12,7
H	2,7	H	4,5	H	4,5	H	8	H	4,3
H ₁	1,2	H ₁	2,5	H ₁	2,5	H ₁	5	H ₁	2,29
B	6	B	6	B	13	B	13	B	13
h	5,5	h	5,3	h	8,5	h	9,4	h	8,5

P1		P2		P3		P4	
STD. WIDTH (mm)		STD. WIDTH (mm)		STD. WIDTH (mm)		STD. WIDTH (mm)	
10		25		30		25	
20		50		60		50	
		75		100		100	
		100		120			
H	1	H	2	H	3,2	H	4

QST 5		QST 8		QST 14		GW 14		GW 20	
STD. WIDTH (mm)		STD. WIDTH (mm)		STD. WIDTH (mm)		STD. WIDTH (mm)		STD. WIDTH (mm)	
12		16		35		50		50	
24		25		52,5		100		100	
		32		70		150		150	
		50		105		200		200	
P	5	P	8	P	14	P	14	P	20
H	3,6	STEEL CORD	5,33	STEEL CORD	8,64	H	10	H	14,3
H ₁	1,91	HP CORD	5,60	XHP CORD	9	H ₁	6	H ₁	8,57
		H ₁	3,05	H ₁	5,33				