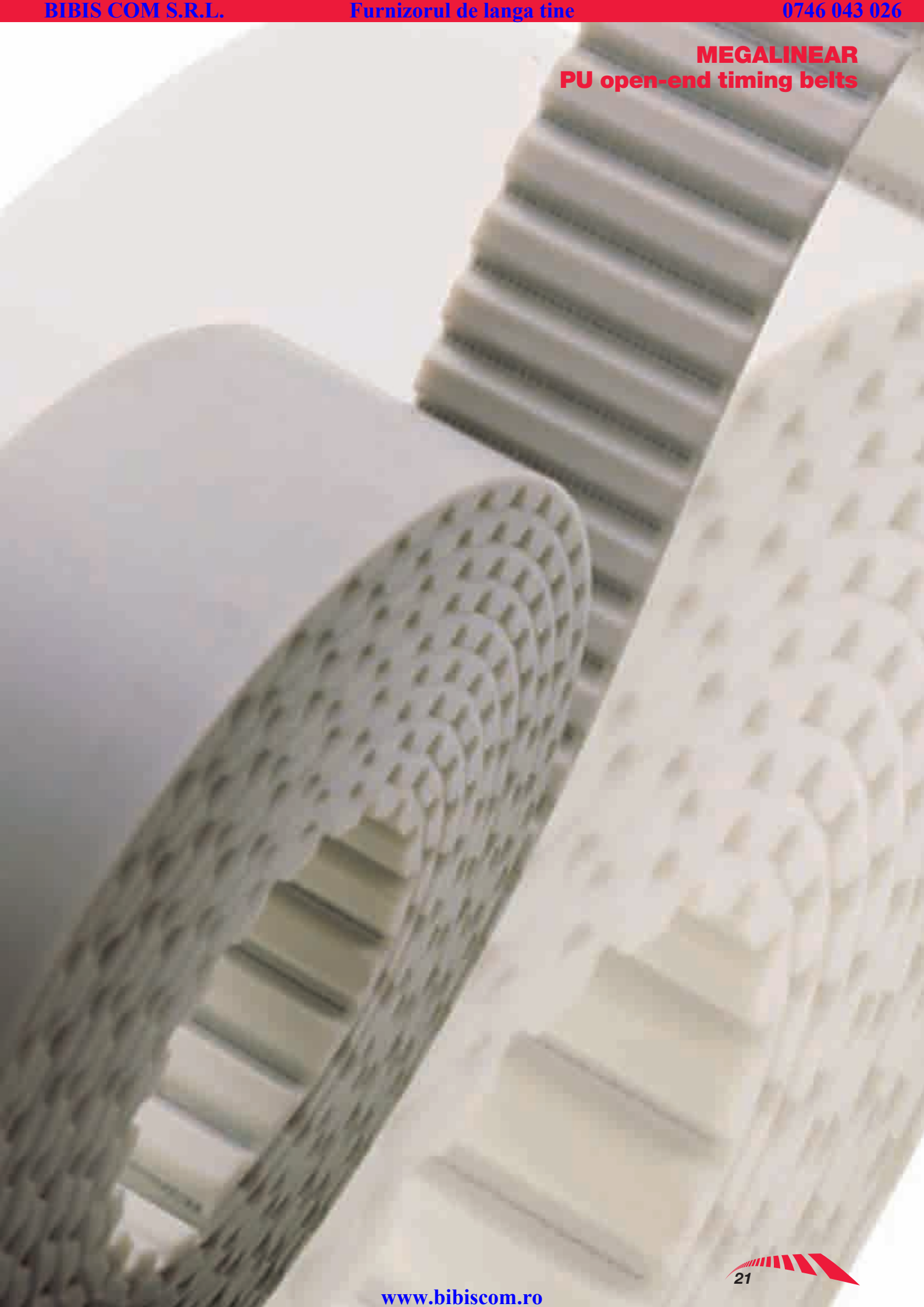


**MEGALINEAR**  
**PU open-end timing belts**



## MEGALINEAR PU open-end timing belts



**MEGALINEAR** open end 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, (standard roll lengths are 50 or 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) and High Performance Flex (HPF).

Megadyne has expanded its range of Megalinear with the new belts: Megalinear QST, Megalinear GW and Megalinear FC.

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.

For heavy applications, Megadyne introduce the **MEGALINEAR GW**, a high performance thermoplastic Polyurethane belt. Superior load capacities can be achieved, due to the high shear strength of the tooth design, coupled with high tension, steel zinc coated cords. Megalinear GW guarantees a greater transmittable power under continuous high loads.

**MEGALINEAR FC** 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.



# MEGALINEAR PU open-end timing belts

<b>MXL</b>		<b>XL</b>		<b>L</b>	
Std. width (inches)		Std. width (inches)		Std. width (inches)	
	0,17		0,25		0,37
	0,37		0,37		0,50
	0,50		0,50		0,75
			0,75		1,00
			1,00		1,50
			1,50		2,00
			2,00		4,00
P	2,032	P	5,08	P	9,525
H	1,14	H	2,3	H	3,6
H <sub>i</sub>	0,66	H <sub>i</sub>	1,27	H <sub>i</sub>	1,90

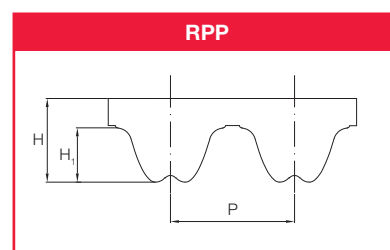
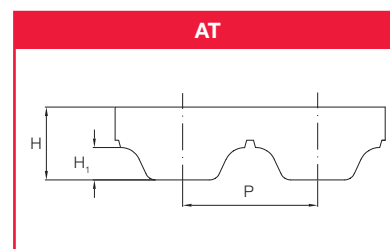
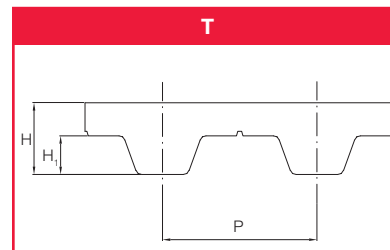
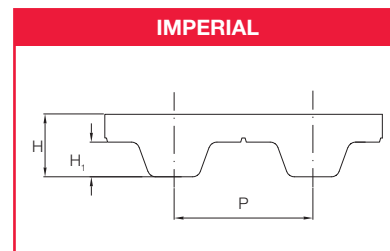
<b>H</b>		<b>H*</b>		<b>XH</b>	
Std. width (inches)		Std. width (inches)		Std. width (inches)	
	0,50		8,00		1,00
	0,75		10,00		1,50
	1,00		12,00		2,00
	1,50		16,00		3,00
	2,00		20,00		4,00
	3,00				6,00
	4,00				
	6,00				
P	12,7	P	12,7	P	22,225
H	4,3	H	4,3	H	11,2
H <sub>i</sub>	2,29	H <sub>i</sub>	2,29	H <sub>i</sub>	6,35

<b>T2.5</b>		<b>T5</b>		<b>T5*</b>		<b>T10</b>	
Std. width (mm)		Std. width (mm)		Std. width (mm)		Std. width (mm)	
	10		6		250		12
	16		10		500		16
	20		16				25
			25				32
			32				50
			50				75
			75				100
			100				150
			150				
P	2,5	P	5	P	5	P	10
H	1,3	H	2,2	H	2,20	H	4,5
H <sub>i</sub>	0,7	H <sub>i</sub>	1,2	H <sub>i</sub>	1,2	H <sub>i</sub>	2,5

<b>T10*</b>		<b>T10 without gap</b>		<b>T20</b>	
Std. width (mm)		Std. width (mm)		Std. width (mm)	
	200		16		25
	250		25		32
	300		32		50
	400		50		75
	450		75		100
	500				150
P	10	P	10	P	20
H	4,5	H	4,5	H	8
H <sub>i</sub>	2,5	H <sub>i</sub>	2,5	H <sub>i</sub>	5

<b>AT3</b>		<b>AT5</b>		<b>AT10</b>		<b>AT10 without gap</b>		<b>AT20</b>	
Std. width (mm)		Std. width (mm)		Std. width (mm)		Std. width (mm)		Std. width (mm)	
	10		6		16		25		25
	20		10		25		32		32
	25		16		32		50		50
	50		25		50		75		75
			32		75		100		100
			50		100				150
			75		150				200
			100						
P	3	P	5	P	10	P	10	P	20
H	1,9	H	2,7	H	4,5	H	4,5	H	8
H <sub>i</sub>	1,1	H <sub>i</sub>	1,2	H <sub>i</sub>	2,5	H <sub>i</sub>	2,5	H <sub>i</sub>	5

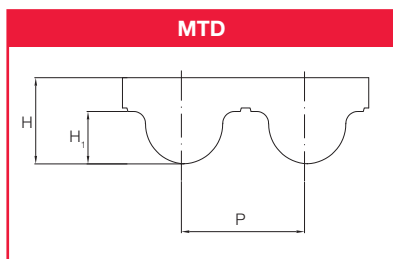
<b>RPP5</b>		<b>RPP8</b>		<b>RPP14</b>		<b>RPP14 XHP</b>	
Std. width (mm)		Std. width (mm)		Std. width (mm)		Std. width (mm)	
	10		10		40		40
	15		15		55		55
	25		20		85		85
	30		30		115		115
	50		50		150		150
	75		85				
			100				
P	5	P	8	P	14	P	14
H	3,8	H	5,4	H	10	H	10,2
H <sub>i</sub>	2	H <sub>i</sub>	3,2	H <sub>i</sub>	6	H <sub>i</sub>	6



\* Only with kevlar cords and reduced number of cords

# MEGALINEAR

## PU open-end timing belts

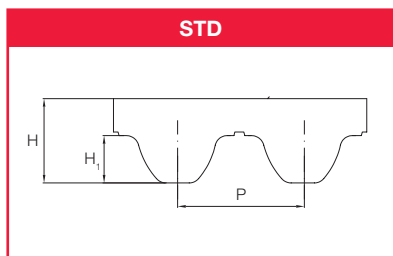


MTD 3	
Std. width (mm)	
10	
20	
25	
50	
P	3
H	2,2
H <sub>1</sub>	1,13

MTD 5	
Std. width (mm)	
10	
15	
25	
50	
P	5
H	3,6
H <sub>1</sub>	2,1

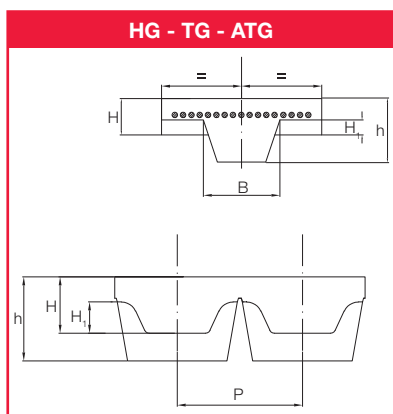
MTD 8	
Std. width (mm)	
10	
15	
20	
30	
50	
85	
100	
P	8
H	5,6
H <sub>1</sub>	3,4

MTD 14	
Std. width (mm)	
25	
40	
55	
85	
100	
115	
P	14
H	10
H <sub>1</sub>	6,1



STD 5	
Std. width (mm)	
10	
15	
25	
50	
P	5
H	3,4
H <sub>1</sub>	1,91

STD 8	
Std. width (mm)	
10	
12	
15	
20	
30	
50	
85	
P	8
H	5,1
H <sub>1</sub>	3,05



TG5	
Std. width (mm)	
25	
32	
50	
P	5
H	2,2
H <sub>1</sub>	1,2
B	6
h	5

TG10 K6	
Std. width (mm)	
50	
P	10
H	4,5
H <sub>1</sub>	2,5
B	6
h	5,3

TG10 K13	
Std. width (mm)	
25	
32	
50	
75	
100	
P	10
H	4,5
H <sub>1</sub>	2,5
B	13
h	8,5

TG20	
Std. width (mm)	
50	
75	
100	
P	20
H	8
H <sub>1</sub>	5
B	13
h	8,5

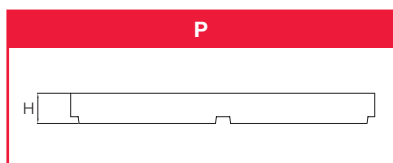
ATG5	
Std. width (mm)	
25	
32	
50	
P	5
H	2,7
H <sub>1</sub>	1,2
B	6
h	5,3

ATG10 K6	
Std. width (mm)	
50	
P	10
H	4,5
H <sub>1</sub>	2,5
B	6
h	5,3

ATG10 K13	
Std. width (mm)	
25	
32	
50	
75	
100	
150	
P	10
H	4,5
H <sub>1</sub>	2,5
B	13
h	8,5

ATG20	
Std. width (mm)	
75	
150	
P	20
H	8
H <sub>1</sub>	5
B	13
h	9,4

HG	
Std. width (inch)	
1,50	
2,00	
3,00	
4,00	
6,00	
P	12,7
H	4,3
H <sub>1</sub>	2,29
B	13
h	8,3

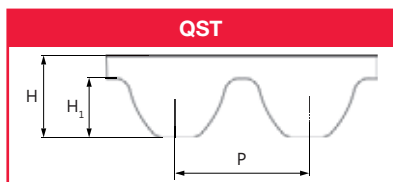


P1	
Std. width (mm)	
10	
20	
H	1

P2	
Std. width (mm)	
25	
50	
75	
100	
H	2

P3	
Std. width (mm)	
30	
60	
100	
120	
H	3,2

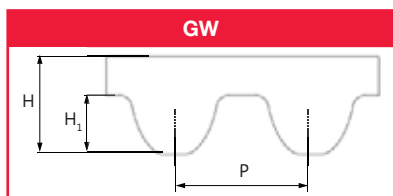
P4	
Std. width (mm)	
25	
50	
100	
H	4



QST 5	
Std. width (mm)	
12	
24	
P	5
H	3,6
H <sub>1</sub>	1,91

QST 8	
Std. width (mm)	
16	
25	
32	
50	
P	8
Steel cord	5,33
HP cord	5,60
H <sub>1</sub>	3,05

QST 14	
Std. width (mm)	
35	
52,5	
70	
105	
P	14
Steel cord	8,64
XHP cord	9
H <sub>1</sub>	5,33



GW 14	
Std. width (mm)	
50	
100	
150	
200	
P	14
H	10
H <sub>1</sub>	6

GW 20	
Std. width (mm)	
50	
100	
150	
200	
P	20
H	14,3
H <sub>1</sub>	8,57