



Polyurethane BELTS



Technology in Motion.



Polyurethane **BELTS**



Technology in Motion.



The Company

THE COMPANY

ELATECH® is a Company fully dedicated to the research, development and manufacture of polyurethane belts for industrial applications.

The unique manufacturing processes, made possible by the newest generation technologies, modern and efficient test and control equipment and a unique team of qualified technicians and engineers, allow ELATECH® to offer superior products and highly flexible service.

Our Mission

OUR MISSION

Constantly growing, together with our customers, in product and process innovation to develop the best polyurethane belt for every industrial application

Global presence

GLOBAL PRESENCE

With 5 sister Companies on 3 continents and a wide range of qualified distributors, ELATECH® guarantees a superior technical and delivery service worldwide.

Research and development

RESEARCH and DEVELOPMENT

We strongly believe innovation is the key to success for our Customers. We are totally committed to quality and close cooperation with our Customers to solve in the most advanced and economic way all the problems of design engineers. Our qualified technicians and our advanced test laboratory with the most modern resources allow us to offer the most effective solutions in all conveying, lifting or power transmission applications.



Total quality

TOTAL QUALITY



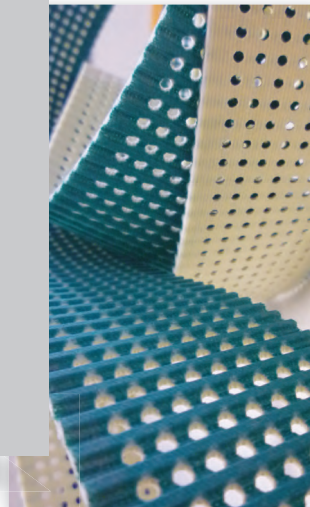
In ELATECH® the term “quality” is not only limited to the product. We offer professional and competent consulting service with fast and reliable deliveries. The certification of our quality system confirms the quality consciousness of our Company and of all our employees. Our management system is certified according to **ISO 9001:2000**



Products

PRODUCTS

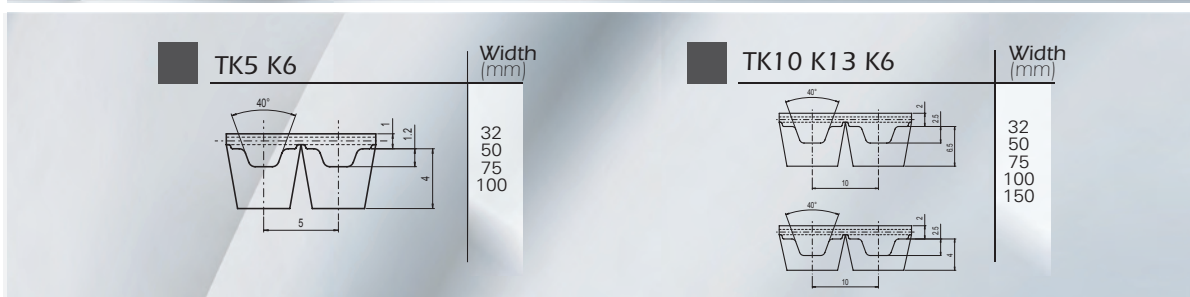
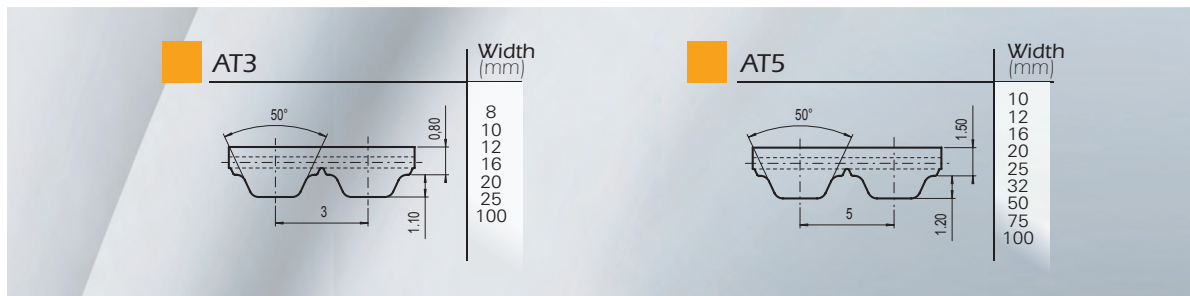
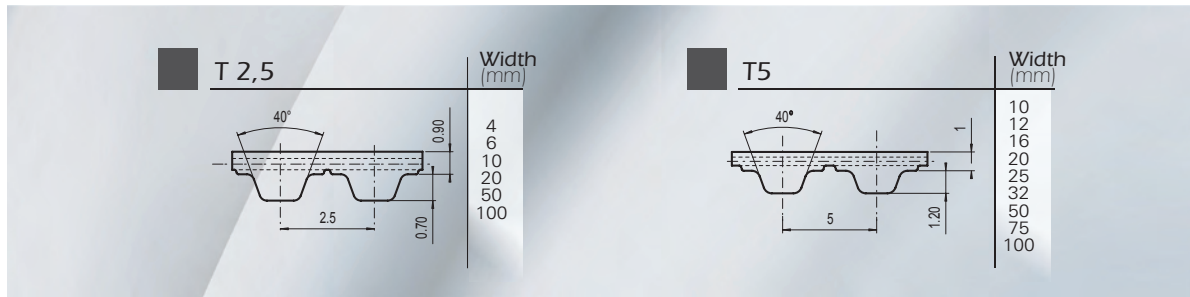
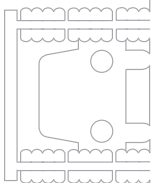
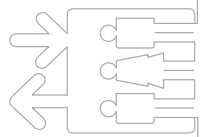
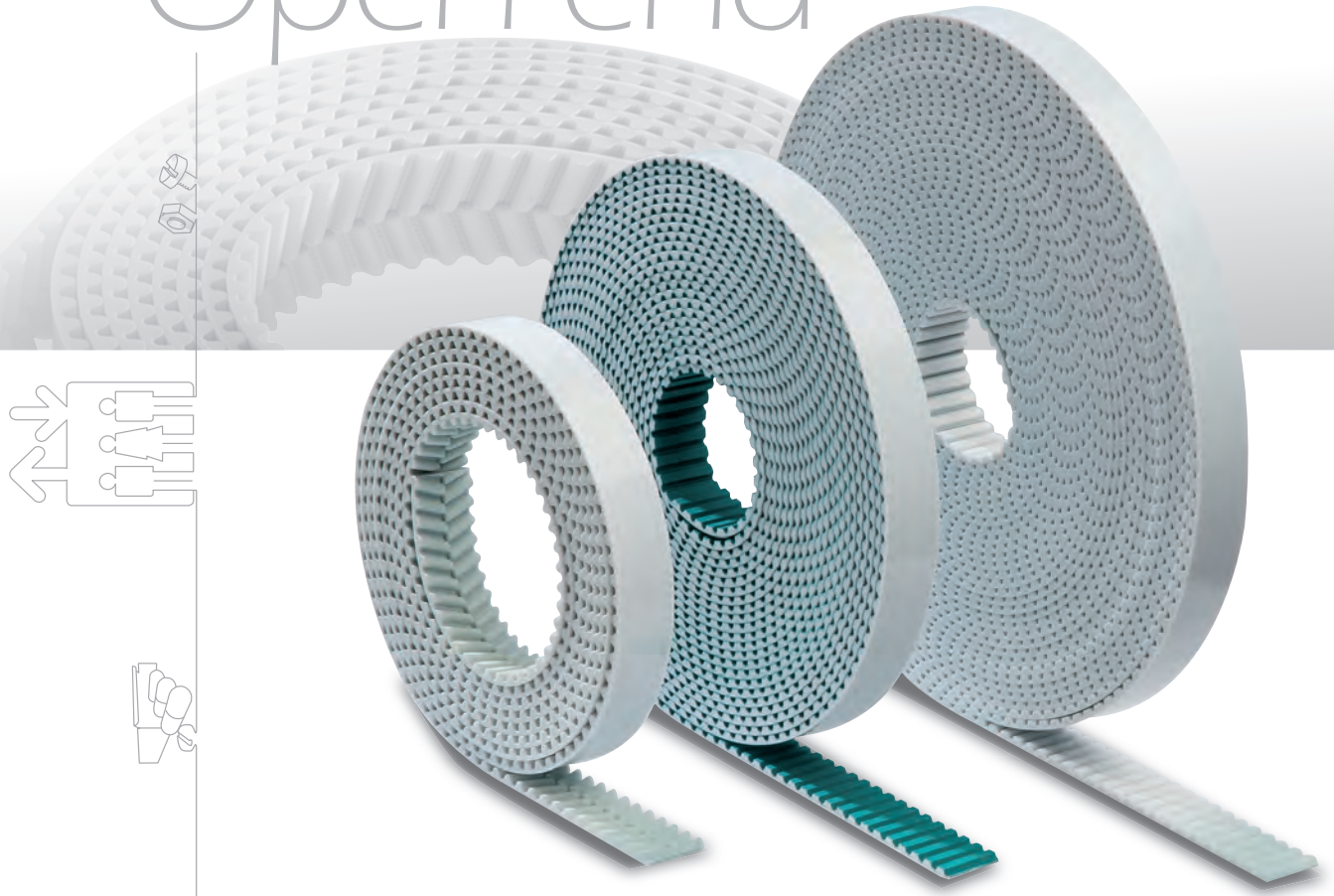
Ranging from long length open end rolls to welded or ELA-flex SD™ truly endless timing belts and iSync™ sleeves and complemented by a wide choice of mechanical joints, false teeth, backings, flights, cleats and other accessories, ELATECH's Polyurethane Belts provide the most extensive offer available on the market.



Elatech M

ELATECH M OPEN END

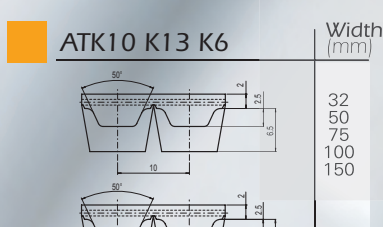
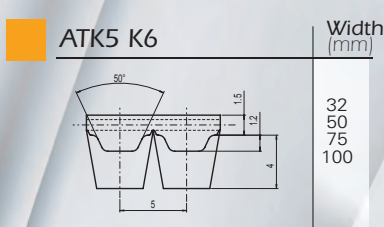
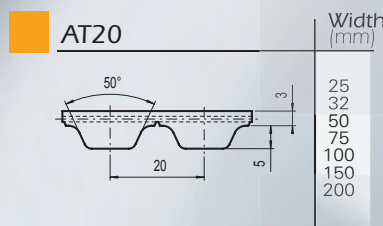
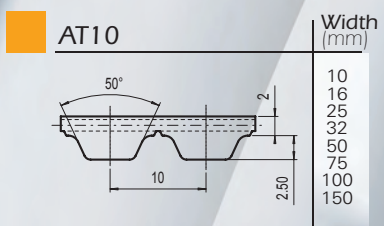
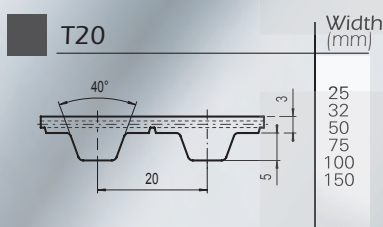
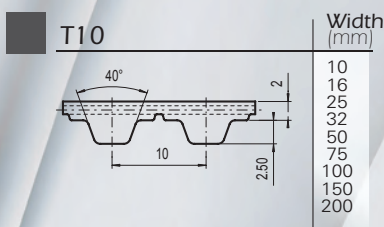
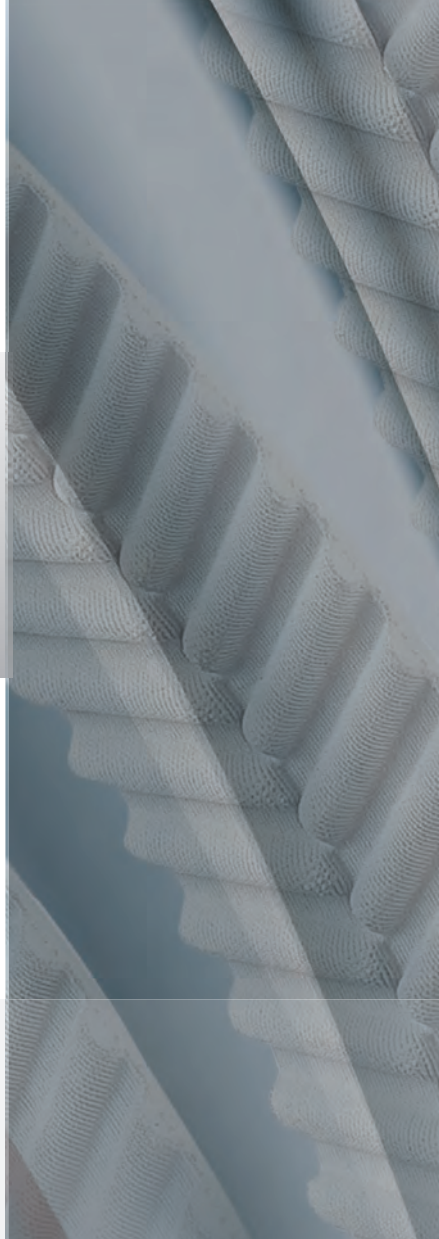
Open end

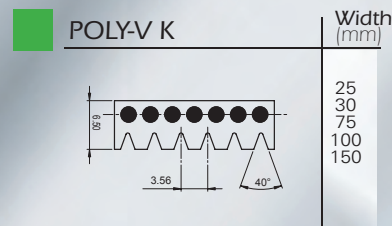
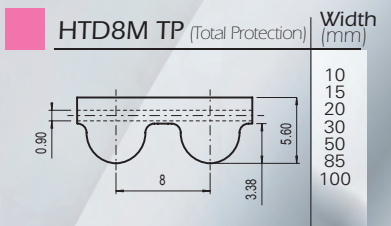
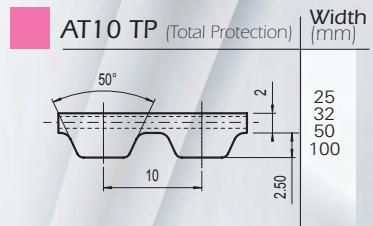
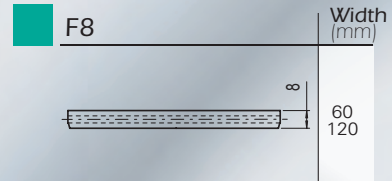
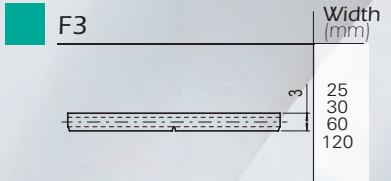
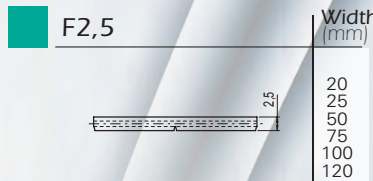
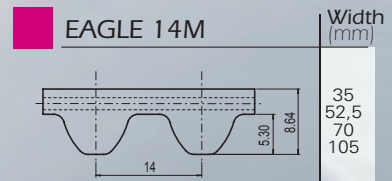
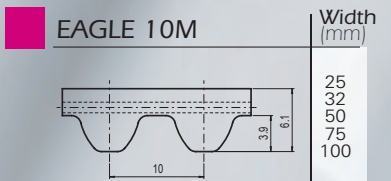
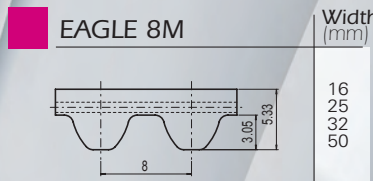
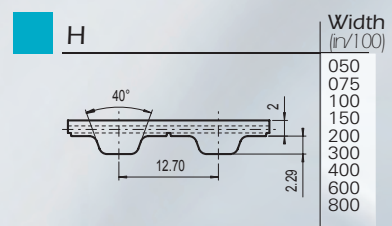
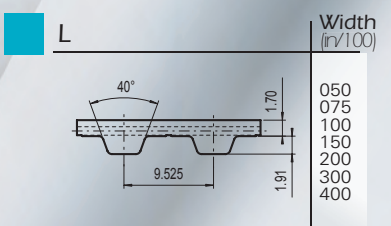
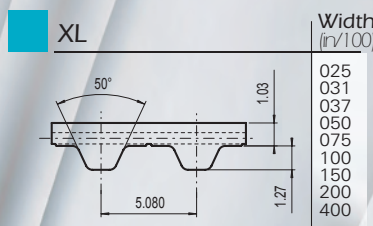
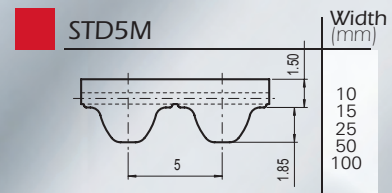
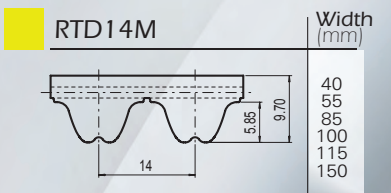
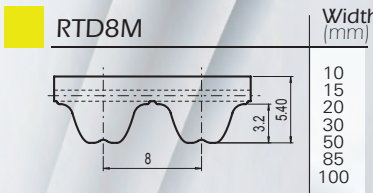
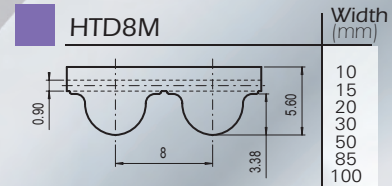
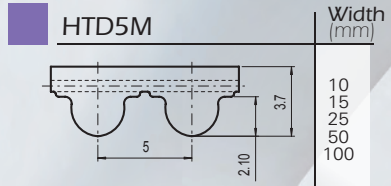
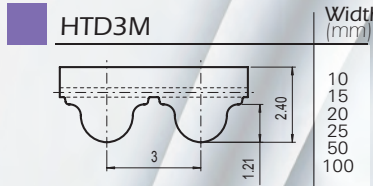
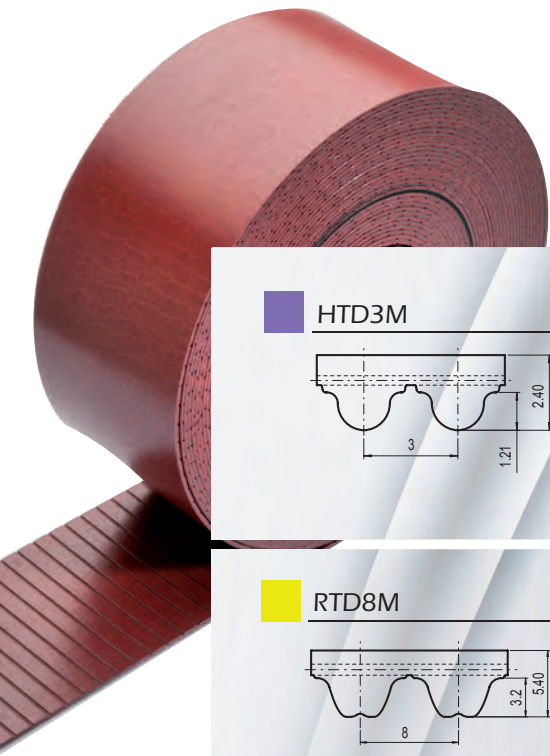


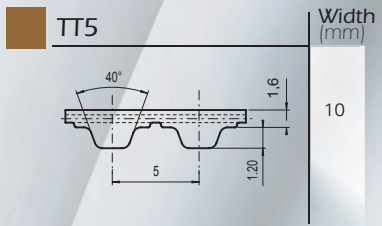
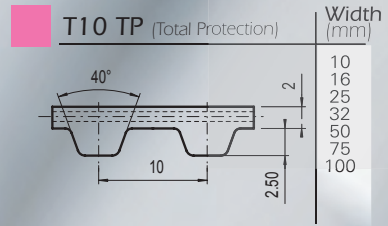
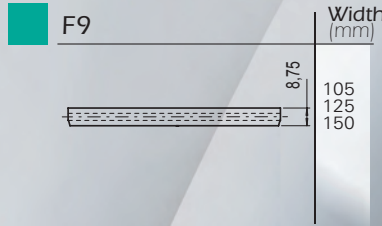
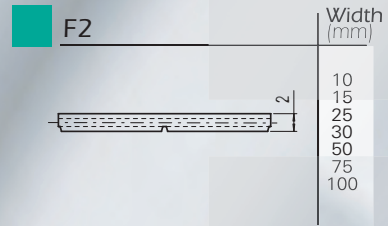
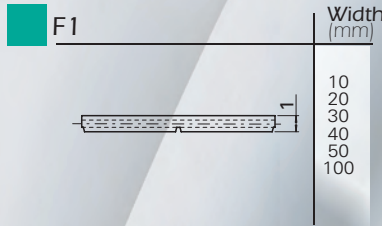
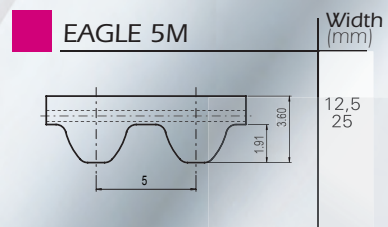
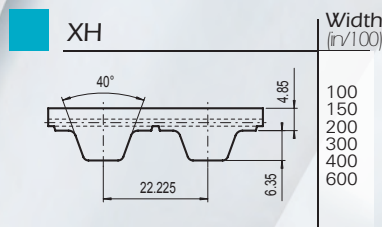
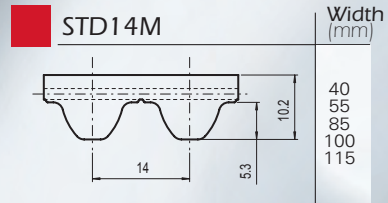
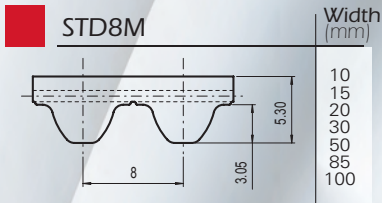
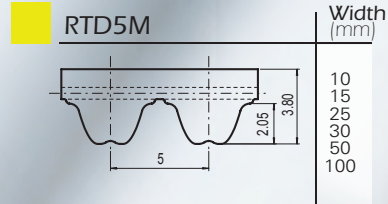
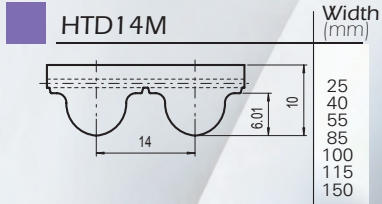
ELATECH® production includes the widest range of high performance profiles in different pitches, allowing to select the best technical solution in every drive application. Additionally, for special applications our engineering department studies and delivers innovative and unique solutions to even the most complex requirements in linear motion and lifting applications.

In order to maximize the application of ELATECH® timing belts, our products can be delivered with:

- Special cords:
 - HFE high flexibility
 - HPL high performance
 - XHPL extra-high performance
 - INOX stainless steel
- Aramid
- Antistatic properties
- Special colour
- Double sided execution
- Total protection execution
- High temperature resistant PU
- FDA-compliant PU and cords



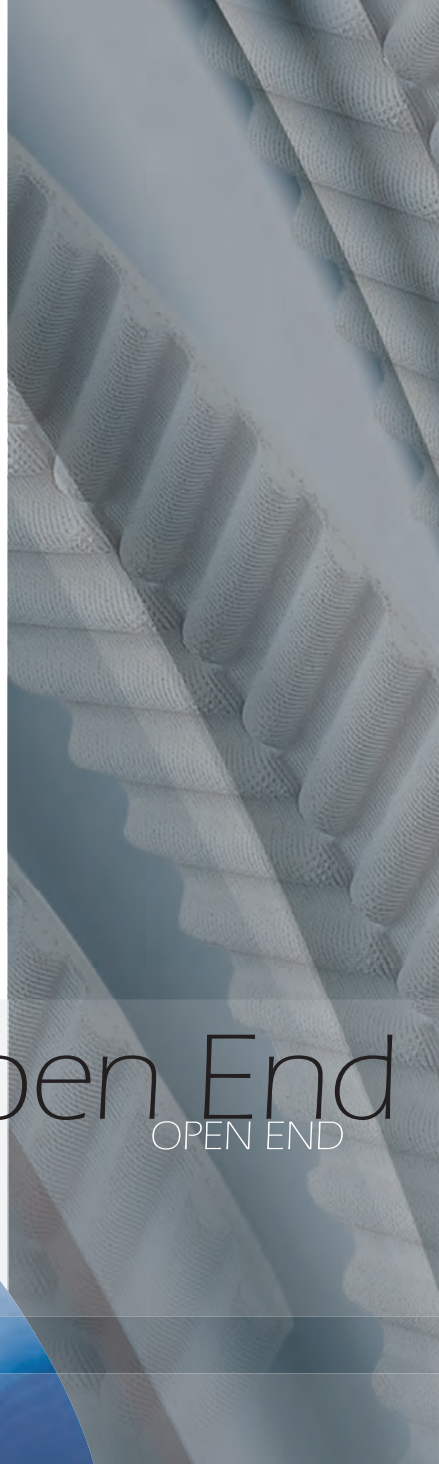
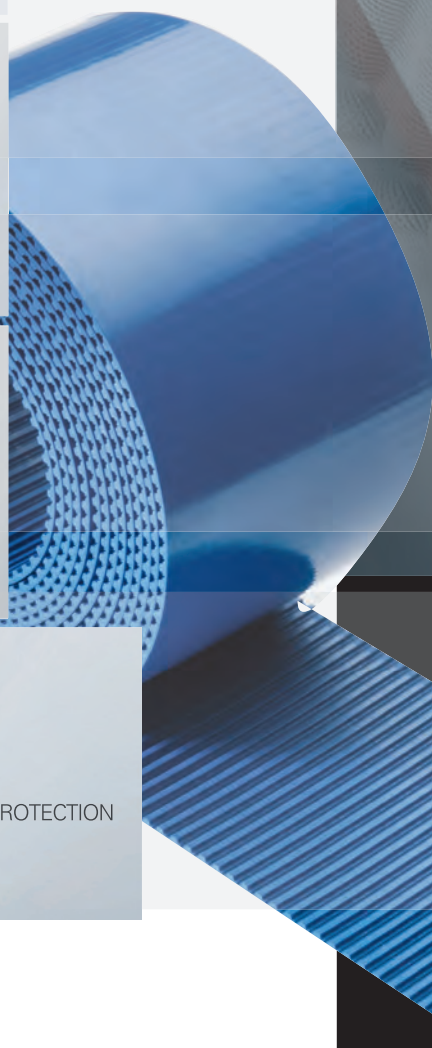




- T
- AT
- HTD
- RTD
- STD
- L - H
- Eagle
- F
- TOTAL PROTECTION
- POLY-VK
- TT5

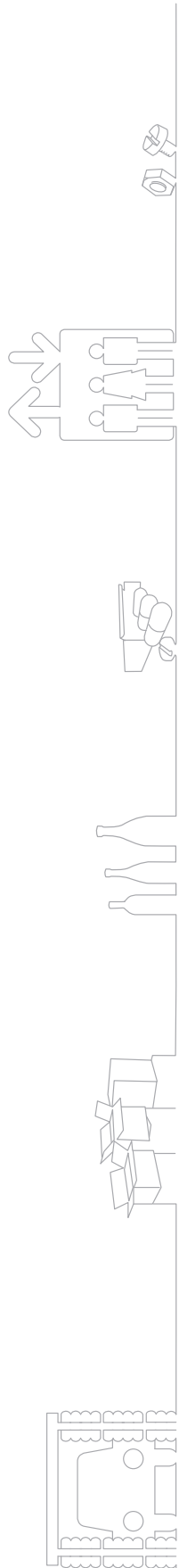
Open End





OPEN END







ELA-flex SD™

ELA-flex SD™



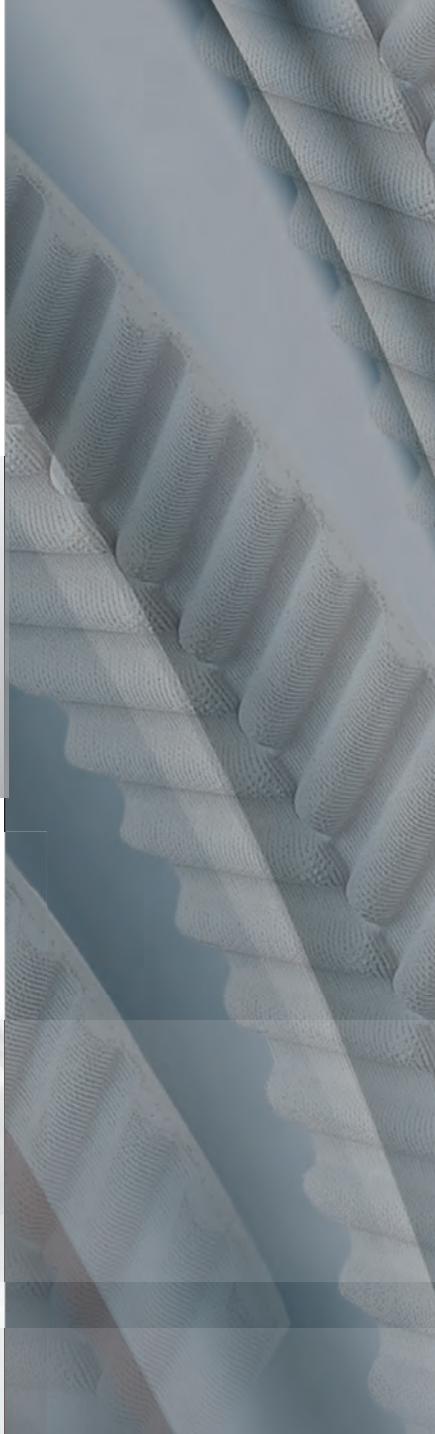
T profile	AT profile
	
<ul style="list-style-type: none"> T5 T10 T20 	<ul style="list-style-type: none"> AT5 AT10 AT20
	

RTD profile	STD profile
	
<ul style="list-style-type: none"> 5M 8M 14M 	<ul style="list-style-type: none"> 5M 8M 14M
	

ELA-flex SD™ timing belts are manufactured with truly endless high tensile steel tension cords and high wear resistant polyurethane body. Having no splices or welding, the belts have no weak cross section. They are therefore ideal for power transmission applications and high load conveying transmissions.

The unique hi-tech manufacturing process designed by our technicians allows the production of every belt length, tooth by tooth from a minimum of 900 mm to a maximum of 20000 mm, thus providing the highest flexibility for any application.

Also available in Dual Toothing execution
Available from 900mm length also with PAZ fabric

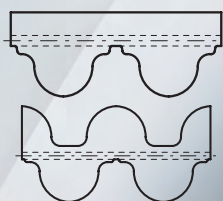


IMPERIAL profile



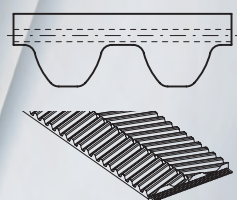
XL
L
H
XH

HTD profile



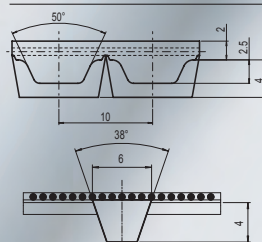
5M
8M
14M

EAGLE profile

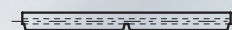


5M
8M
10M
14M

ATK10 - K6 profiles

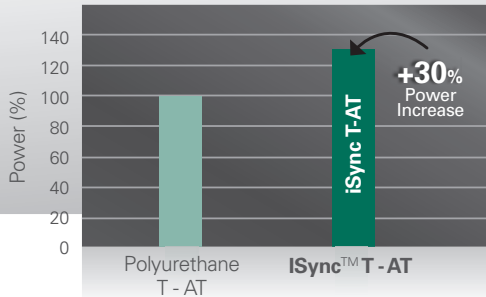


FLAT



F2
F2.5
F3

ELATECH® iSync™ belts are innovative truly endless high performance power transmission belts with thermo-plastic resin body and steel (standard) or aramid fiber (on demand) traction cords. The high modulus cords used in the production of our belts ensure great length stability and low bearing load. The special manufacturing method and the materials used make ELATECH® iSync™ belts extremely precise and therefore suitable for all applications where high performances are needed.



ELATECH® iSync™ belts transmit up to 30% more power than conventional belts in the same space, or the same amount of power with a more compact drive.

Applications

- Power transmission drives
 - where high precision is needed
 - where cleanliness is critical
 - in difficult environment (presence of chemicals)
- Heavy –duty conveying drives
 - with special backing
 - with cleats

Available profile range

ELATECH® iSync™ belts are available in standard configuration in the following profile range:

- **T2,5, T5, T10, AT5, AT10, L,**
- **DT5, DT10** (Dual Tothing)

The following profiles and executions are manufactured on request:

- **MXL, XL, HTD5M**

Standard iSync™ sleeve belt sizes

SINGLE TOOTHING

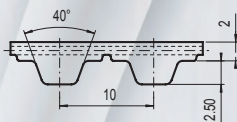
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	Z	mm	Z	mm	Z	mm	Z	mm	Z	mm
	33	165	65	325	91	455	128	640	188	940
	37	185	66	330	92	460	130	650	198	990
	40	200	68	340	95	475	132	660	200	1000
	43	215	70	350	96	480	135	675	215	1075
	44	220	71	355	100	500	138	690	220	1100
	45	225	72	360	102	510	140	700	223	1115
	49	245	73	365	105	525	144	720	228	1140
	50	250	75	375	109	545	145	725	240	1200
	51	255	78	390	110	550	150	750	243	1215
	52	260	80	400	112	560	156	780	263	1315
	54	270	82	410	115	575	160	800	270	1350
	55	275	84	420	118	590	163	815	271	1355
	56	280	85	425	120	600	166	830	276	1380
	59	295	8	40	122	610	168	840	288	1440
	60	300	88	440	124	620	170	850		
	61	305	89	445	125	625	172	860		
64	320	90	450	126	630	180	900			



Standard iSync™ sleeve belt sizes

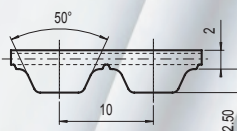
SINGLE TOOTHING

T 10



Number of teeth Z	Length (mm)	Number of teeth Z	Length (mm)	Number of teeth Z	Length (mm)	Number of teeth Z	Length (mm)
26	260	66	660	97	970	139	1390
32	320	69	690	98	980	140	1400
35	350	70	700	100	1000	142	1420
37	370	72	720	101	1010	144	1440
40	400	75	750	105	1050	145	1450
41	410	78	780	108	1080	146	1460
44	440	80	800	110	1100	150	1500
45	450	81	810	111	1110	156	1560
48	480	84	840	114	1140	160	1600
50	500	85	850	115	1150	161	1610
53	530	88	880	120	1200	170	1700
55	550	89	890	121	1210	175	1750
56	560	90	900	124	1240	178	1780
60	600	91	910	125	1250	180	1800
61	610	92	920	130	1300	188	1880
63 (*)	630(*)	95	950	132	1320	196	1960
65	650	96	960	135	1350	225	2250

AT 10

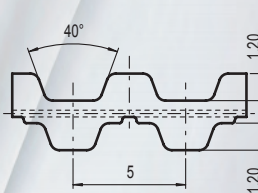


Number of teeth Z	Length (mm)	Number of teeth Z	Length (mm)	Number of teeth Z	Length (mm)	Number of teeth Z	Length (mm)
50	500	84	840	115	1150	148	1480
53	530	88	880	120	1200	150	1500
56	560	89	890	121	1210	160	1600
58	580	92	920	125	1250	170	1700
60	600	96	960	128	1280	172	1720
61	610	98	980	130	1300	180	1800
66	660	100	1000	132	1320	186	1860
70	700	101	1010	135	1350	194	1940
73	730	105	1050	136	1360		
78	780	108	1080	140	1400		
80	800	110	1100	142	1420		

Standard iSync™ sleeve belt sizes

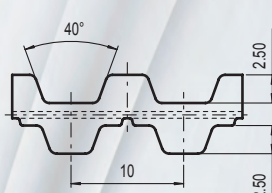
DUAL TOOTHING

DT 5



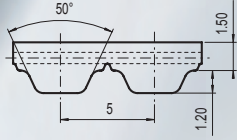
Number of teeth Z	Length (mm)
82	410
92	460
118	590
124	620
150	750
163	815
172	860
188	940
220	1100

DT10



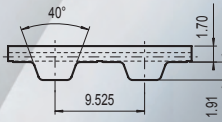
Number of teeth Z	Length (mm)	Number of teeth Z	Length (mm)
26	260	121	1210
53	530	124	1240
63	630	125	1250
66	660	132	1320
72	720	135	1350
84	840	142	1420
92	920	161	1610
98	980	188	1880

AT 5



Number of teeth Z	Length (mm)	Number of teeth Z	Length (mm)
45	225	122	610
51	255	132	660
56	280	142	710
60	300	144	720
68	340	150	750
75	375	156	780
78	390	165	825
84	420	172	860
90	450	195	975
91	455	210	1050
100	500	225	1125
109	545	300	1500
120	600		

L



Number of teeth Z	Length (in)	Number of teeth Z	Length (in)
60	22,5	76	28,5
64	24	80	30
68	25,5	136	51
72	27	144	54



iSync™ Belts

ISYNC™ BELTS



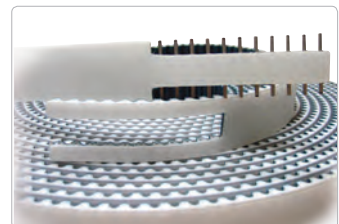
Special Belts

SPECIAL BELTS



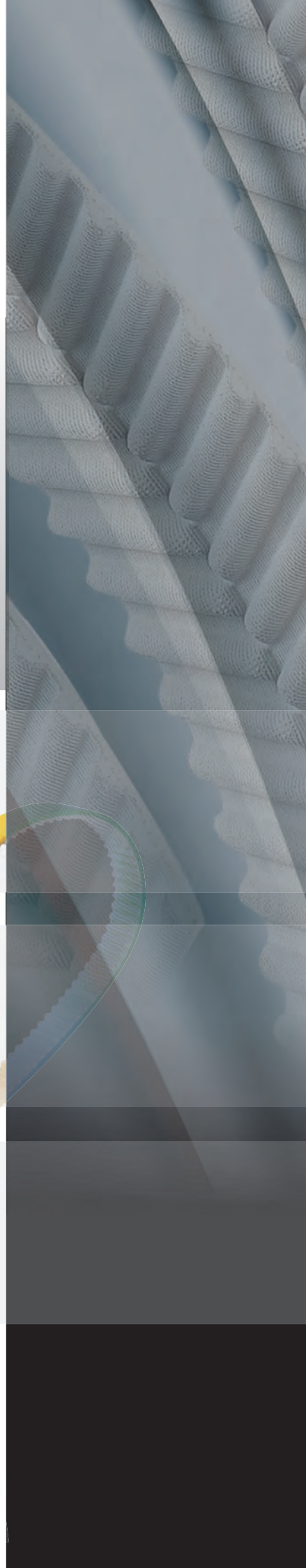
ELATECH®'s wide range of different backings can be grouped into four main categories: Cellular, PVC & PU, Rubber and Special.

Each different category provides special features and top quality performance and endurance making the various backings especially suitable for specific applications. These features include different degrees of hardness, cellular, fabric, felt or solid material compounds, different levels of grip, FDA-compliant materials, antistatic materials, different resistance to oils and fats, and different resistance to abrasion, tear and wear.



Such variety, combined with top quality manufacturing systems and techniques including ELATECH®'s EMF mechanical fastening system and the application of stainless steel or zinc-coated false teeth as well as different flights and cleats, provides the best and the most reliable solution for specific applications in the most diversified fields of industry.

Water jet cutting facility and other state-of-the art machinery and techniques enable extremely precise machining and finishing operations within the strictest tolerance requirements, resulting in the absolute top quality, reliability and perfection that make ELATECH® Polyurethane belts renowned all over the world.





ELATECH S.R.L.

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Tel. +39.0345330311 Fax +39.0345330330
www.elatech.com - info@elatech.com





The Company

THE COMPANY

ELATECH® is a Company fully dedicated to the research, development and manufacture of polyurethane belts for industrial applications.

The unique manufacturing processes, made possible by the newest generation technologies, modern and efficient test and control equipment and a unique team of qualified technicians and engineers, allow ELATECH® to offer superior products and highly flexible service.

Our Mission

OUR MISSION

Constantly growing, together with our customers, in product and process innovation to develop the best polyurethane belt for every industrial application

Global presence

GLOBAL PRESENCE

With 5 sister Companies on 3 continents and a wide range of qualified distributors, ELATECH® guarantees a superior technical and delivery service worldwide.

Research and development

RESEARCH and DEVELOPMENT

We strongly believe innovation is the key to success for our Customers. We are totally committed to quality and close cooperation with our Customers to solve in the most advanced and economic way all the problems of design engineers. Our qualified technicians and our advanced test laboratory with the most modern resources allow us to offer the most effective solutions in all conveying, lifting or power transmission applications.



Total quality

TOTAL QUALITY



In ELATECH® the term “quality” is not only limited to the product. We offer professional and competent consulting service with fast and reliable deliveries. The certification of our quality system confirms the quality consciousness of our Company and of all our employees. Our management system is certified according to **ISO 9001:2000**



Products

PRODUCTS

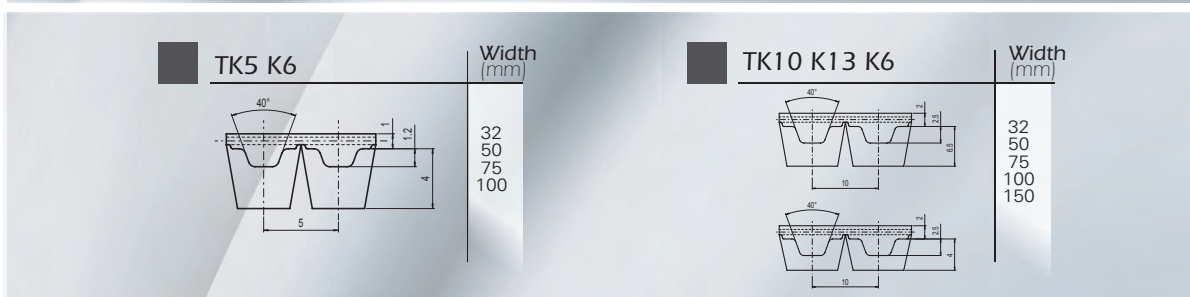
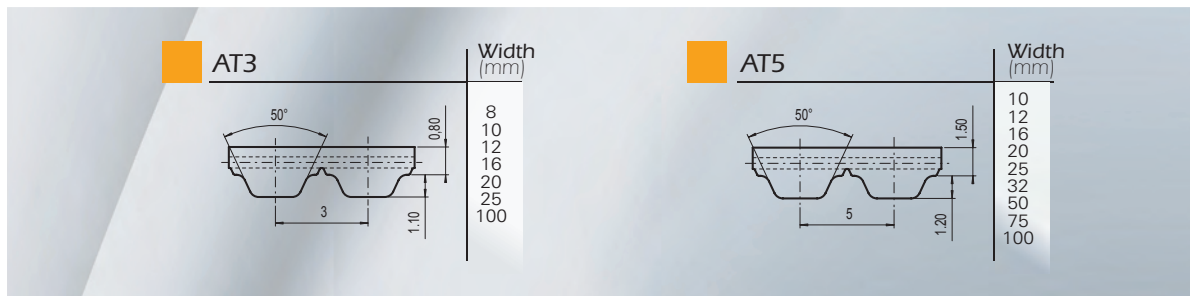
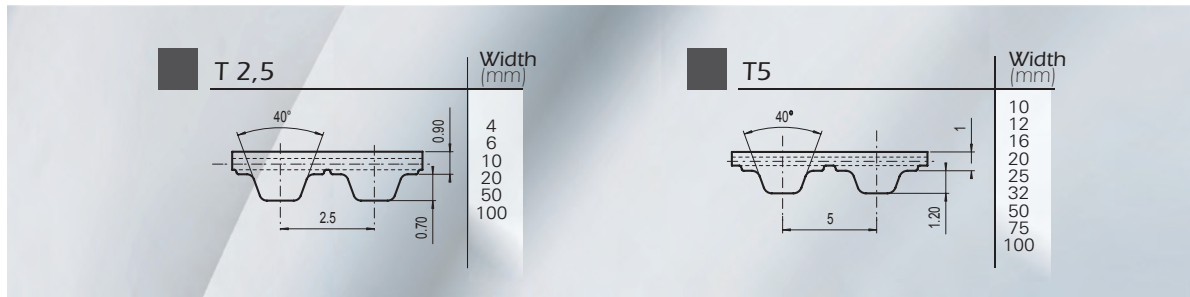
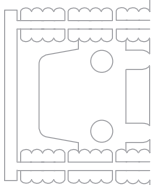
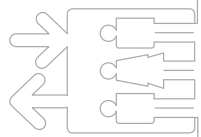
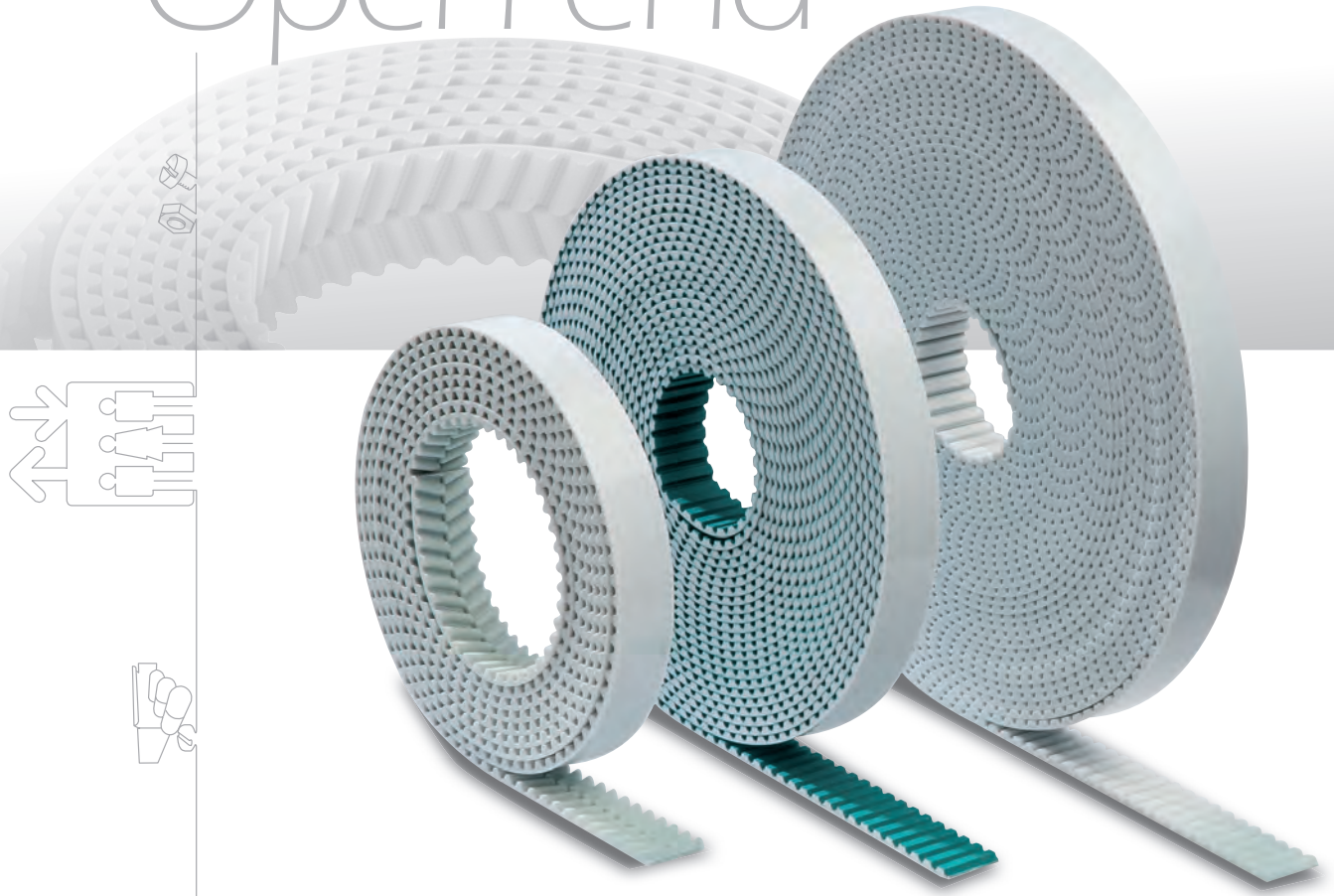
Ranging from long length open end rolls to welded or ELA-flex SD™ truly endless timing belts and iSync™ sleeves and complemented by a wide choice of mechanical joints, false teeth, backings, flights, cleats and other accessories, ELATECH's Polyurethane Belts provide the most extensive offer available on the market.



Elatech M

ELATECH M OPEN END

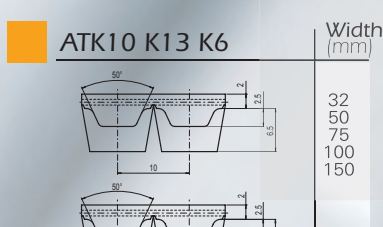
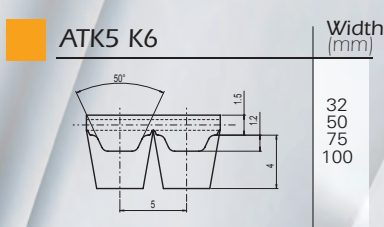
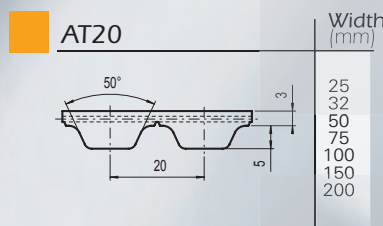
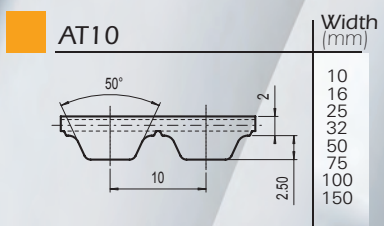
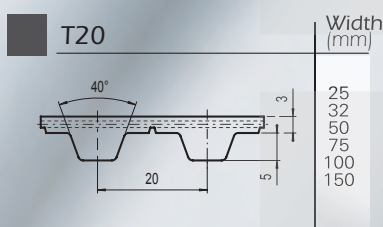
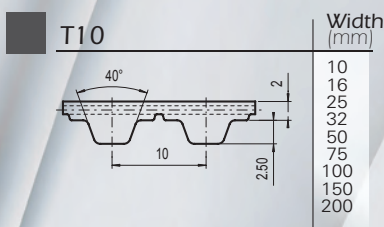
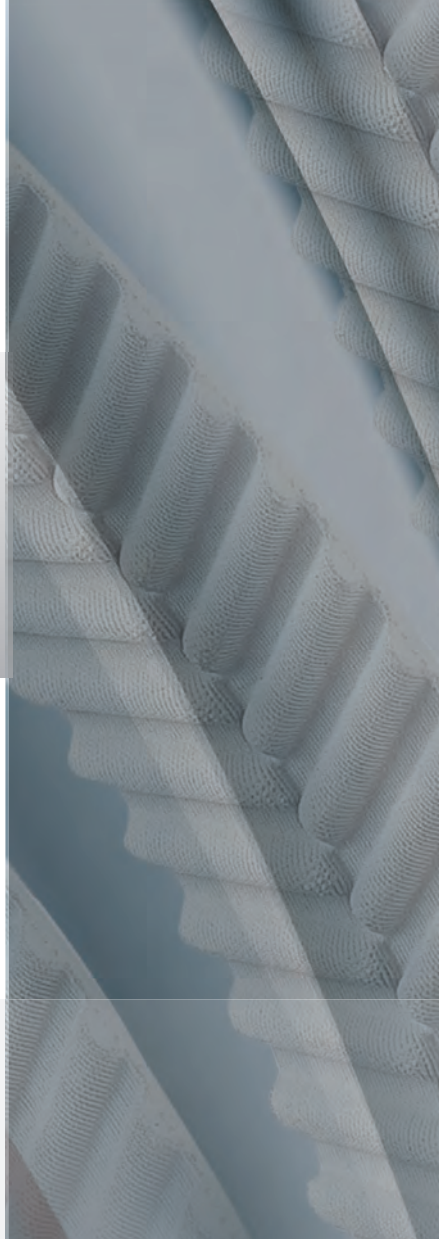
Open end

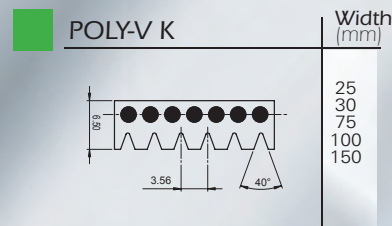
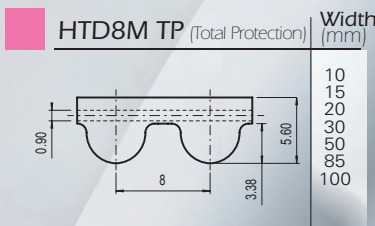
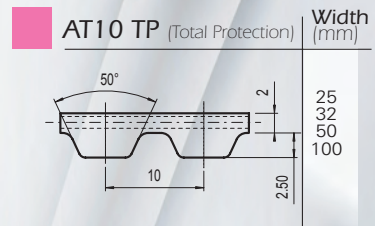
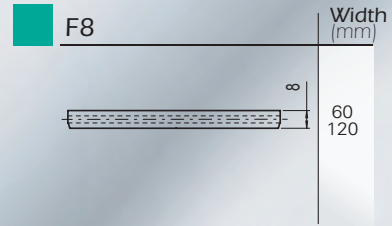
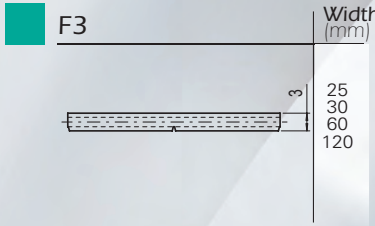
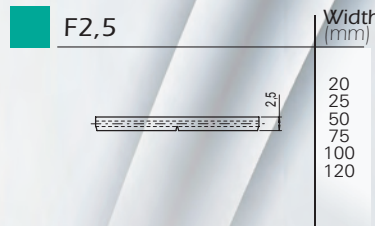
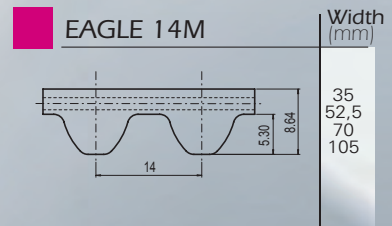
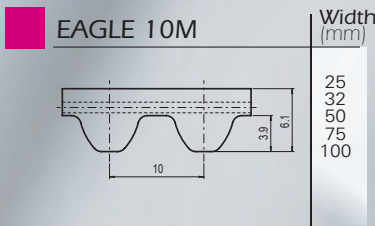
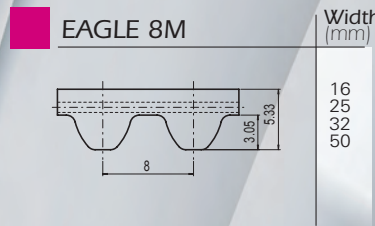
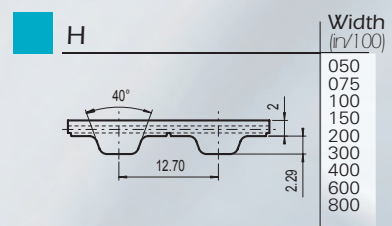
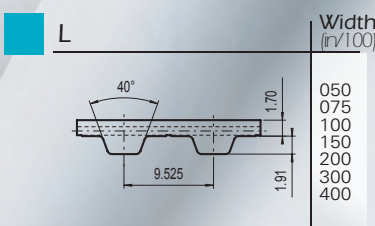
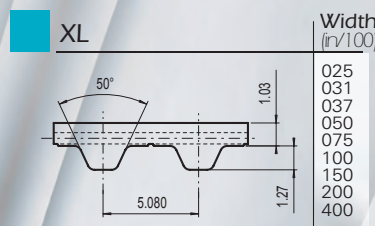
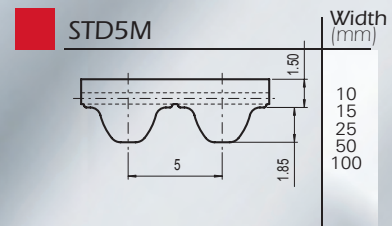
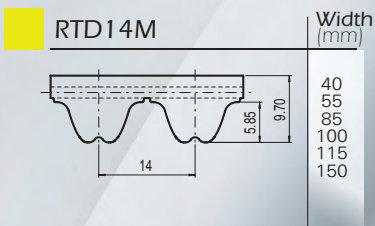
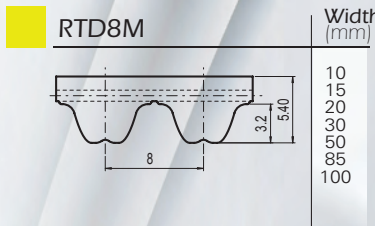
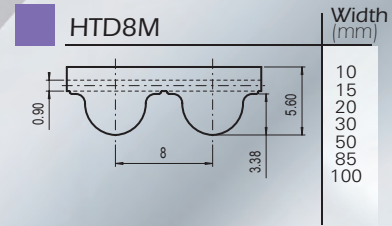
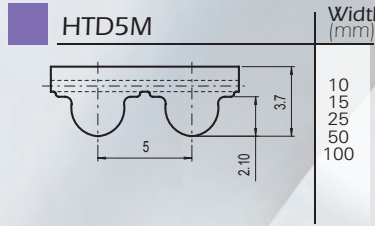
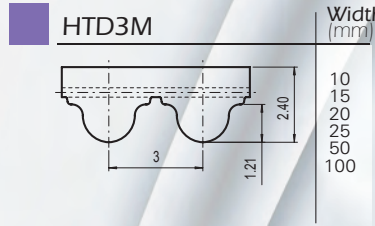
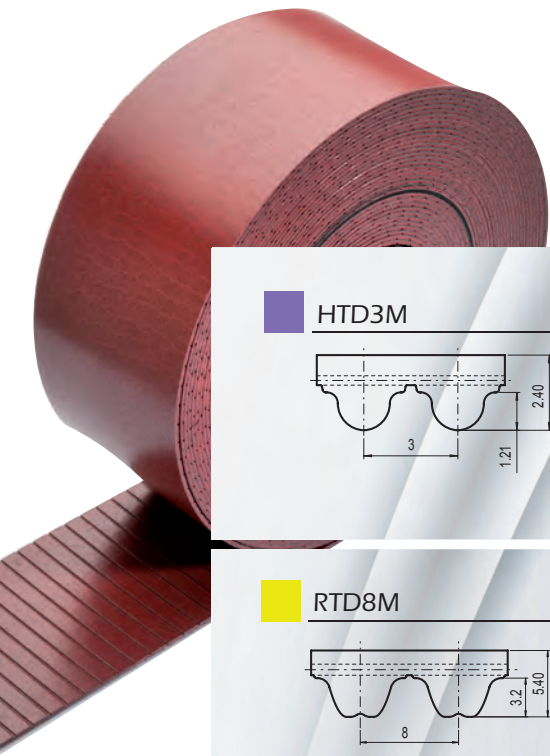


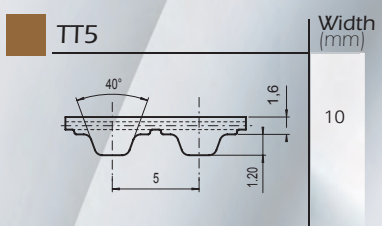
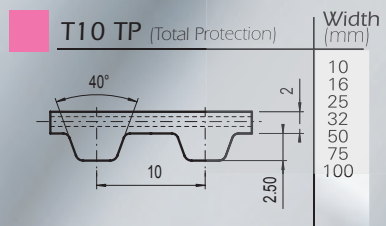
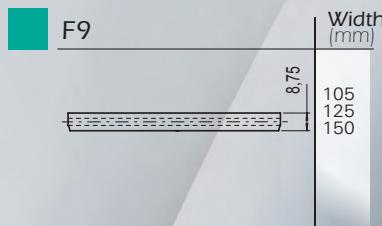
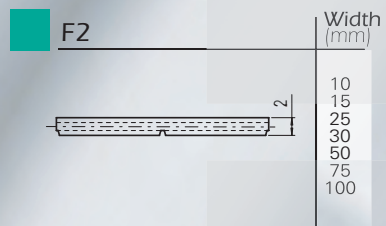
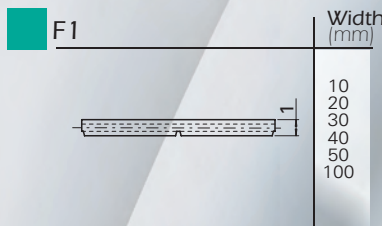
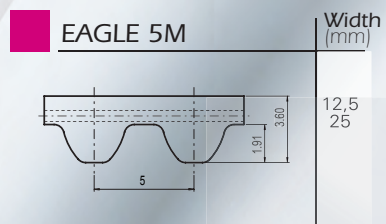
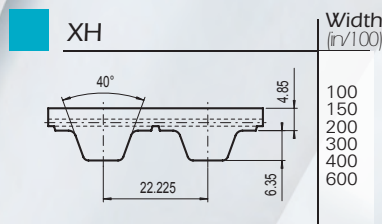
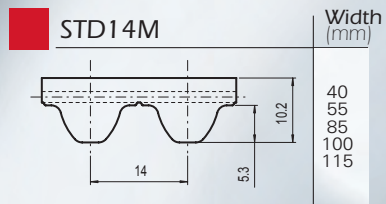
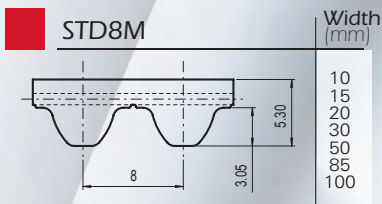
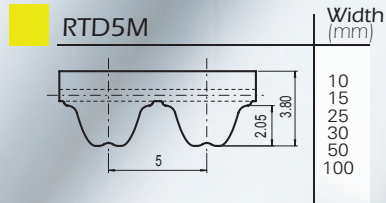
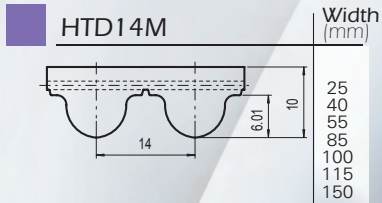
ELATECH® production includes the widest range of high performance profiles in different pitches, allowing to select the best technical solution in every drive application. Additionally, for special applications our engineering department studies and delivers innovative and unique solutions to even the most complex requirements in linear motion and lifting applications.

In order to maximize the application of ELATECH® timing belts, our products can be delivered with:

- Special cords:
 - HFE high flexibility
 - HPL high performance
 - XHPL extra-high performance
 - INOX stainless steel
- Aramid
- Antistatic properties
- Special colour
- Double sided execution
- Total protection execution
- High temperature resistant PU
- FDA-compliant PU and cords



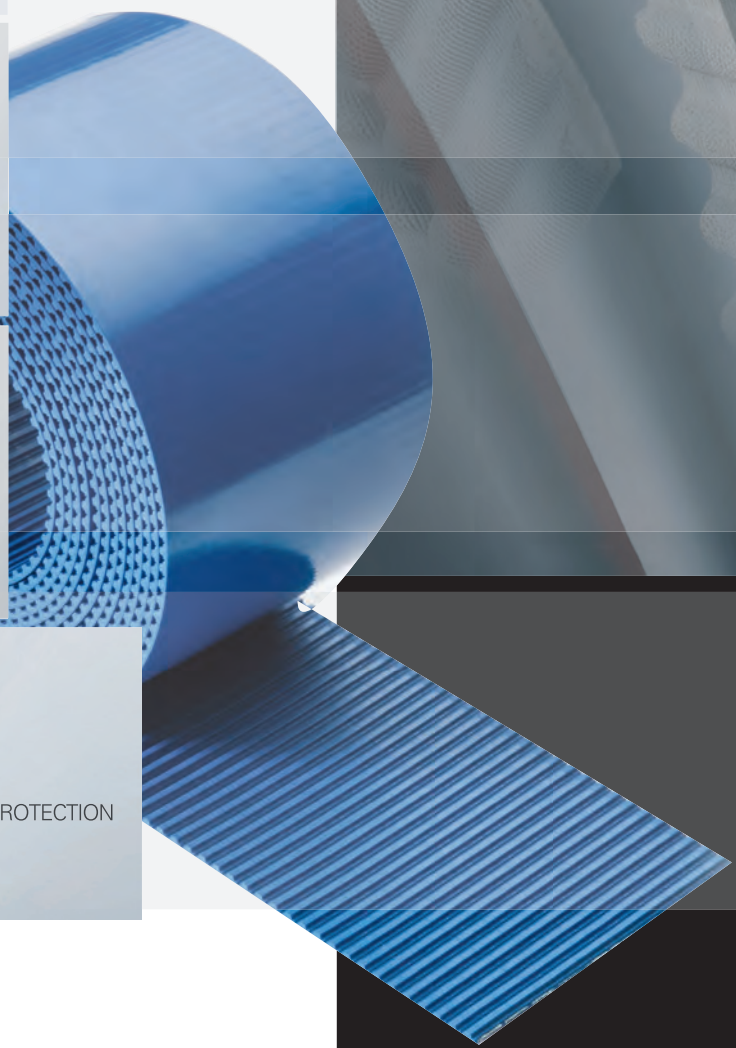




- T
- AT
- HTD
- RTD
- STD
- L - H
- Eagle
- F
- TOTAL PROTECTION
- POLY-VK
- TT5

Open End





OPEN END







ELA-flex SD™

ELA-flex SD™



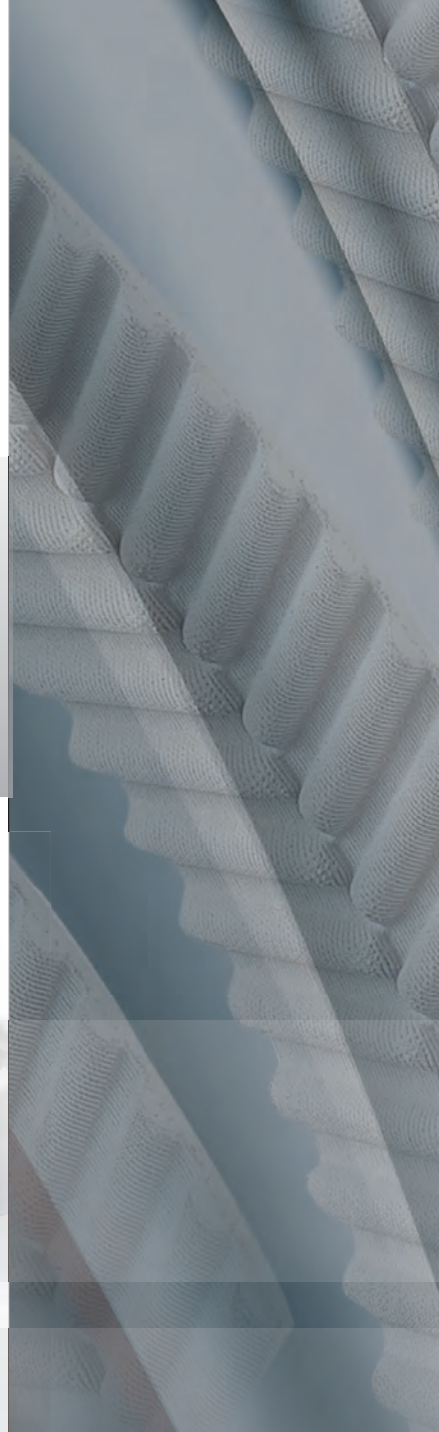
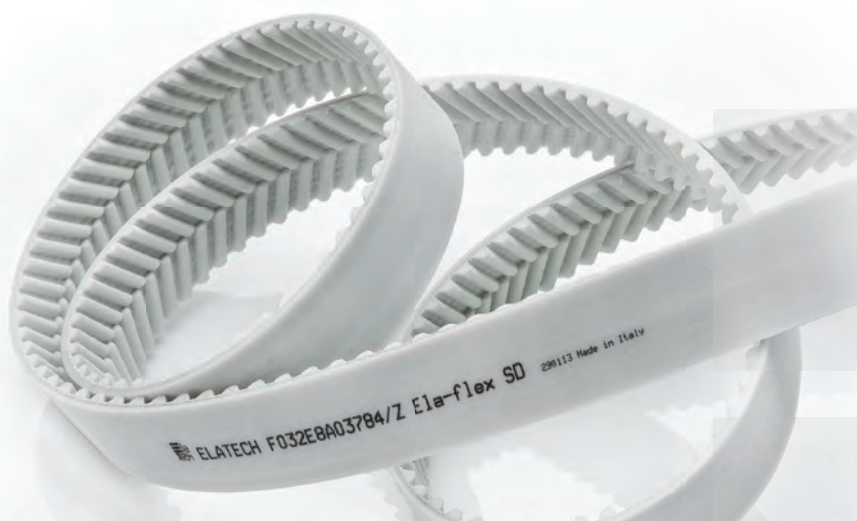
T profile	AT profile
	
<ul style="list-style-type: none"> T5 T10 T20 	<ul style="list-style-type: none"> AT5 AT10 AT20
	

RTD profile	STD profile
	
<ul style="list-style-type: none"> 5M 8M 14M 	<ul style="list-style-type: none"> 5M 8M 14M
	

ELA-flex SD™ timing belts are manufactured with truly endless high tensile steel tension cords and high wear resistant polyurethane body. Having no splices or welding, the belts have no weak cross section. They are therefore ideal for power transmission applications and high load conveying transmissions.

The unique hi-tech manufacturing process designed by our technicians allows the production of every belt length, tooth by tooth from a minimum of 900 mm to a maximum of 20000 mm, thus providing the highest flexibility for any application.

Also available in Dual Toothing execution
Available from 900mm length also with PAZ fabric

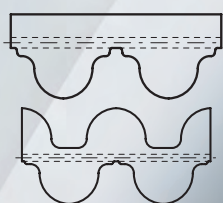


IMPERIAL profile



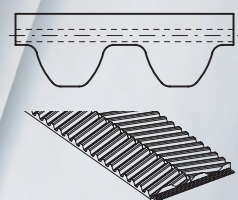
XL
L
H
XH

HTD profile



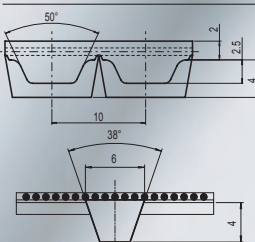
5M
8M
14M

EAGLE profile

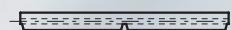


5M
8M
10M
14M

ATK10 - K6 profiles

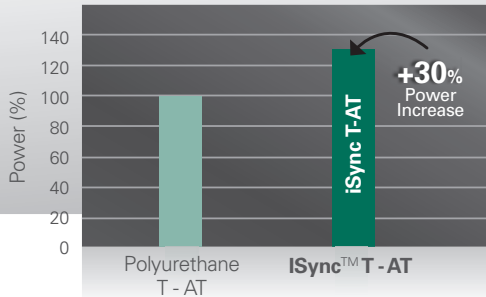


FLAT



F2
F2.5
F3

ELATECH® iSync™ belts are innovative truly endless high performance power transmission belts with thermo-plastic resin body and steel (standard) or aramid fiber (on demand) traction cords. The high modulus cords used in the production of our belts ensure great length stability and low bearing load. The special manufacturing method and the materials used make ELATECH® iSync™ belts extremely precise and therefore suitable for all applications where high performances are needed.



ELATECH® iSync™ belts transmit up to 30% more power than conventional belts in the same space, or the same amount of power with a more compact drive.

Applications

- Power transmission drives
 - where high precision is needed
 - where cleanliness is critical
 - in difficult environment (presence of chemicals)
- Heavy –duty conveying drives
 - with special backing
 - with cleats

Available profile range

ELATECH® iSync™ belts are available in standard configuration in the following profile range:

- **T2,5, T5, T10, AT5, AT10, L,**
- **DT5, DT10** (Dual Toothing)

The following profiles and executions are manufactured on request:

- **MXL, XL, HTD5M**

Standard iSync™ sleeve belt sizes

SINGLE TOOTHING

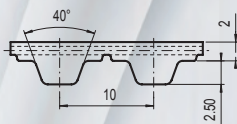
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	Z	mm	Z	mm	Z	mm	Z	mm	Z	mm
	33	165	65	325	91	455	128	640	188	940
	37	185	66	330	92	460	130	650	198	990
	40	200	68	340	95	475	132	660	200	1000
	43	215	70	350	96	480	135	675	215	1075
	44	220	71	355	100	500	138	690	220	1100
	45	225	72	360	102	510	140	700	223	1115
	49	245	73	365	105	525	144	720	228	1140
	50	250	75	375	109	545	145	725	240	1200
	51	255	78	390	110	550	150	750	243	1215
	52	260	80	400	112	560	156	780	263	1315
	54	270	82	410	115	575	160	800	270	1350
	55	275	84	420	118	590	163	815	271	1355
	56	280	85	425	120	600	166	830	276	1380
	59	295	8	40	122	610	168	840	288	1440
	60	300	88	440	124	620	170	850		
	61	305	89	445	125	625	172	860		
64	320	90	450	126	630	180	900			



Standard iSync™ sleeve belt sizes

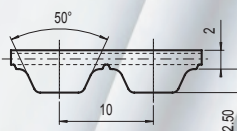
SINGLE TOOTHING

T 10



Number of teeth Z	Length (mm)	Number of teeth Z	Length (mm)	Number of teeth Z	Length (mm)	Number of teeth Z	Length (mm)
26	260	66	660	97	970	139	1390
32	320	69	690	98	980	140	1400
35	350	70	700	100	1000	142	1420
37	370	72	720	101	1010	144	1440
40	400	75	750	105	1050	145	1450
41	410	78	780	108	1080	146	1460
44	440	80	800	110	1100	150	1500
45	450	81	810	111	1110	156	1560
48	480	84	840	114	1140	160	1600
50	500	85	850	115	1150	161	1610
53	530	88	880	120	1200	170	1700
55	550	89	890	121	1210	175	1750
56	560	90	900	124	1240	178	1780
60	600	91	910	125	1250	180	1800
61	610	92	920	130	1300	188	1880
63 (*)	630(*)	95	950	132	1320	196	1960
65	650	96	960	135	1350	225	2250

AT 10

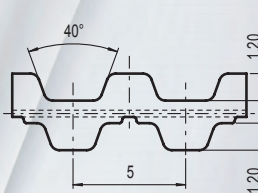


Number of teeth Z	Length (mm)	Number of teeth Z	Length (mm)	Number of teeth Z	Length (mm)	Number of teeth Z	Length (mm)
50	500	84	840	115	1150	148	1480
53	530	88	880	120	1200	150	1500
56	560	89	890	121	1210	160	1600
58	580	92	920	125	1250	170	1700
60	600	96	960	128	1280	172	1720
61	610	98	980	130	1300	180	1800
66	660	100	1000	132	1320	186	1860
70	700	101	1010	135	1350	194	1940
73	730	105	1050	136	1360		
78	780	108	1080	140	1400		
80	800	110	1100	142	1420		

Standard iSync™ sleeve belt sizes

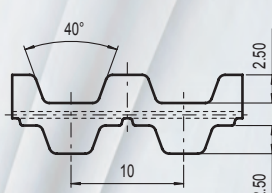
DUAL TOOTHING

DT 5



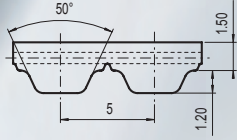
Number of teeth Z	Length (mm)
82	410
92	460
118	590
124	620
150	750
163	815
172	860
188	940
220	1100

DT10



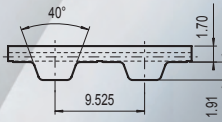
Number of teeth Z	Length (mm)	Number of teeth Z	Length (mm)
26	260	121	1210
53	530	124	1240
63	630	125	1250
66	660	132	1320
72	720	135	1350
84	840	142	1420
92	920	161	1610
98	980	188	1880

AT 5



Number of teeth Z	Length (mm)	Number of teeth Z	Length (mm)
45	225	122	610
51	255	132	660
56	280	142	710
60	300	144	720
68	340	150	750
75	375	156	780
78	390	165	825
84	420	172	860
90	450	195	975
91	455	210	1050
100	500	225	1125
109	545	300	1500
120	600		

L



Number of teeth Z	Length (in)	Number of teeth Z	Length (in)
60	22,5	76	28,5
64	24	80	30
68	25,5	136	51
72	27	144	54



iSync™ Belts

ISYNC™ BELTS



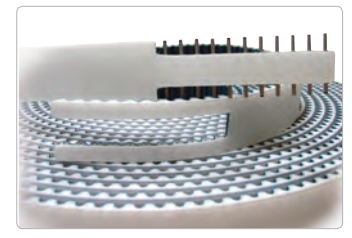
Special Belts

SPECIAL BELTS



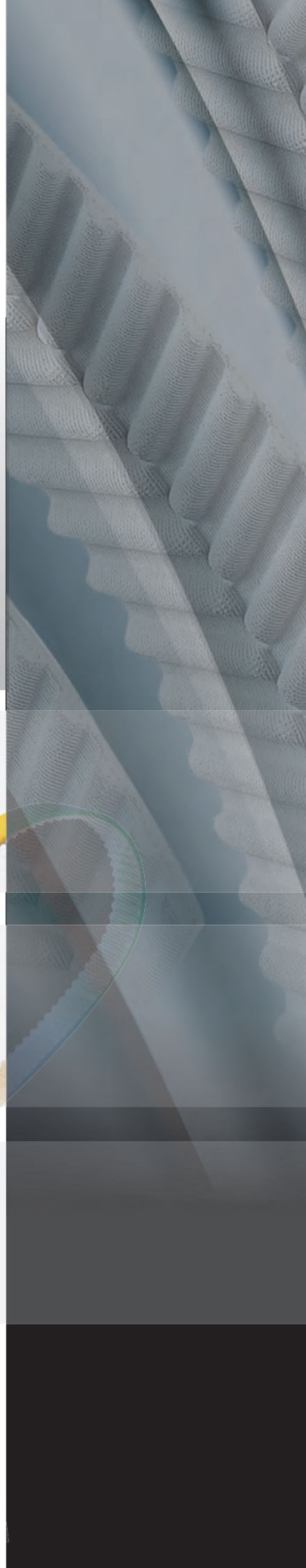
ELATECH®'s wide range of different backings can be grouped into four main categories: Cellular, PVC & PU, Rubber and Special.

Each different category provides special features and top quality performance and endurance making the various backings especially suitable for specific applications. These features include different degrees of hardness, cellular, fabric, felt or solid material compounds, different levels of grip, FDA-compliant materials, antistatic materials, different resistance to oils and fats, and different resistance to abrasion, tear and wear.



Such variety, combined with top quality manufacturing systems and techniques including ELATECH®'s EMF mechanical fastening system and the application of stainless steel or zinc-coated false teeth as well as different flights and cleats, provides the best and the most reliable solution for specific applications in the most diversified fields of industry.

Water jet cutting facility and other state-of-the art machinery and techniques enable extremely precise machining and finishing operations within the strictest tolerance requirements, resulting in the absolute top quality, reliability and perfection that make ELATECH® Polyurethane belts renowned all over the world.





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