



TIMING BELTS

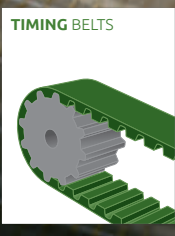




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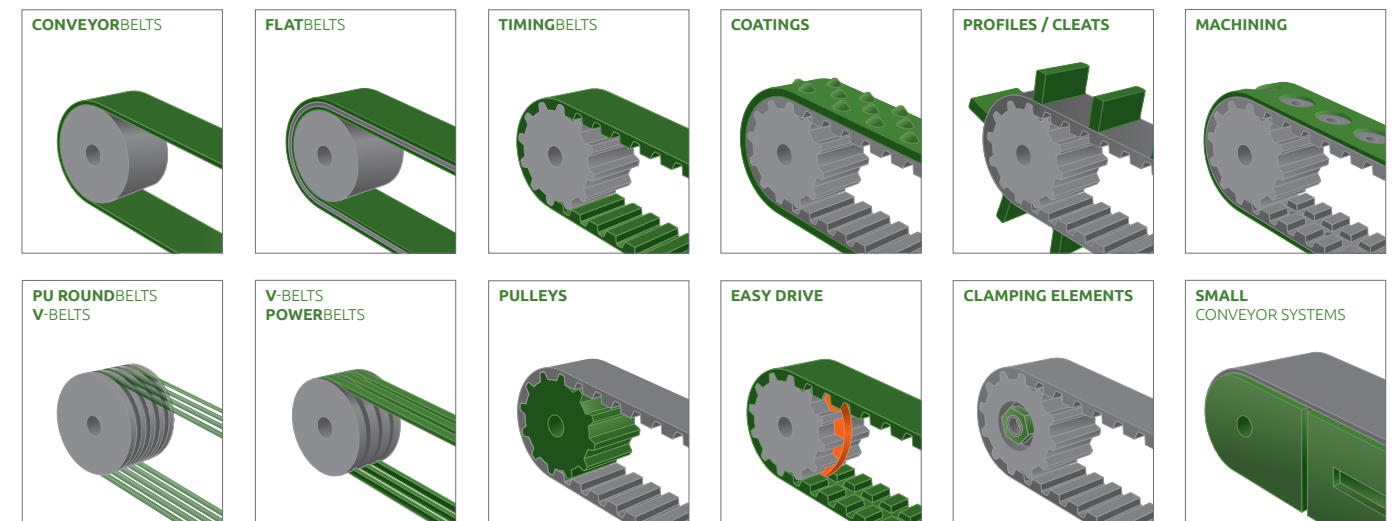
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For more than 95 years we have been supplying reliable power transmission and conveyor technology for industrial, commercial and trade purposes. Dependable and fast. KEIPER in Fellbach near Stuttgart stands for many decades of engineering competence, experience and innovation. Our customers' requirements always are the focus of our work.

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Close cooperation with our distribution partners enables us to produce the best possible products, and this is true also for custom-made products. Our development, design and production know-how is rounded off by meticulous quality control. High-grade raw materials and continuous product development are the foundation of the high quality of all KEIPER products.

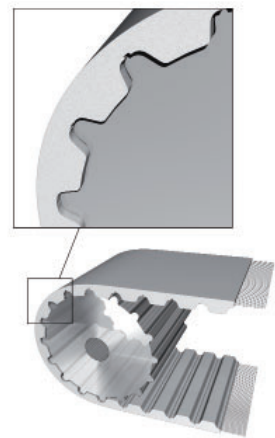


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Certification: Our products and solutions as well as our daily work processes comply with the most stringent quality standards. KEIPER has ISO 9001:2015 Certification.

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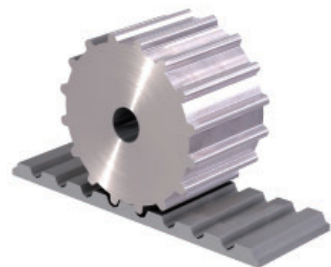
The new standard in timing belt engineering – easy drive® – is distributed by KEIPER GmbH & Co. KG, the official licensing partner. www.easydrive.info



Polyurethane timing belts, manufactured in state-of-the-art production processes, are made of abrasion-resistant polyurethane and high-strength steel tension cords, aramid cords or special high flexible HF steel or VA cords.

The combination of these materials forms the basis for the myriad applications in synchronous power transmission and for transport, conveying and positioning applications. In view of the large number of possible tooth shapes, materials and production methods, polyurethane timing belts exhibit superior mechanical, chemical and physical properties.

Polyurethane timing belts ensure an even distribution of load during power transmission and the transmission of high torque, they have high load capacity, are flexible and, moreover, stand out because of their high longitudinal stiffness and thermal stability.



Polyurethane timing belts are produced in open lengths or welded endless, as sleeve or endless flex belts in almost all lengths and widths.



Open-ended **polyurethane timing belts** offer very high flexibility for synchronous conveying and positioning applications; and, due to the large selection of tooth shapes, innumerable application possibilities.

Polyurethane timing belts "V" welded endless

Welded endless timing belts are available in any length. They are primarily used in conveying applications.

Polyurethane timing belts "M" in open lengths

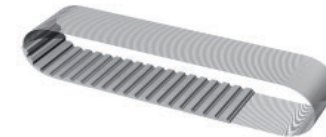
Open length timing belts are primarily used in linear applications.



All polyurethane timing belts can be finished with many different coatings and/or profile cleats for special conveying applications.



Polyurethane molded timing belts (sleeves) are cast in special molds. This ensures very high pitch accuracy along the entire length of the belt, making them particularly suitable for quiet running and high speeds.



Polyurethane timing belts "Flex" are extruded with endless wound cords. For this purpose, the cords are helically spooled. In view of their high power transmission capacity, these timing belts can be used for all types of power transmission as well as many different kinds of synchronous conveying and positioning applications.

min./max. length 720 - 15 000 mm (width 100 mm)
min./max. length 900 - 22 700 mm (width 150 mm)



Polyurethane wide timing belts are welded endless in widths up to 900 mm. These timing belts were developed especially for synchronous conveying applications. They can be used for many applications because of the large production widths as well as their excellent mechanical and chemical properties. Special materials such as, for example, PU or nylon coatings that are suitable for foodstuffs, can be used on the tooth and back side, too.



Self-tracking polyurethane timing belts

The V-guide either is integrated in the timing belt during production or welded onto the belt later. These timing belts exhibit the same properties as standard timing belts. In addition, axial movements are prevented. Keiper self-tracking PU timing belts are available as endless welded belting and cut goods, in almost any length and width.



easy drive® track timing belts

are produced with a groove in the tooth profile and, hence, engage with a guide ring in the pulley, which leads to very high directional stability and prevents axial run-off and dislocation on the pulley. Can be used with all pitches! Preferred use: Conveying and positioning applications, where axial movements are a problem and flanged pulleys cannot be used.


T-Profile

Trapezoid profile according to DIN 7721
Metric pitches: T2.5 / T5 / T10 / T20
This is the standard timing belt for power transmission and conveying applications.


AT-Profile

The AT-profile is a further development of the T-profile and is characterized by a larger tooth volume, higher tooth bearing loads and stronger cords.
Metric pitches: AT3 / AT5 / AT10 / AT20
Advantages: – greater tooth intermesh and less meshing jerks
– stronger cords for constant pitch and high tear resistance
– up to 50% higher performance compared to the T-profile


Imperial Profile

Imperial pitches according to DIN/ISO 5296
MXL = 2.032 mm
XL = 5.08 mm
L = 9.525 mm
H = 12.7 mm
XH = 22.225 mm
XXH = 31.75 mm


HTD-Profile

The high-performance profile HTD (High Torque Drive) has round teeth to achieve faultless meshing with the pulley and to optimize the distribution of stresses and tension. In addition, the high HTD tooth prevents tooth jump to a large extent.
Metric pitches: HTD5M / HTD8M / HTD14M
Typical applications: – Linear drives
– Lifting devices
– Positioning drives
– Transport


STD-Profile

The high-performance profile STD (Super Torque Drive) has involute toothing for optimal meshing, good distribution of stresses and tension, and reducing noise.
Metric pitches: STD5M / STD8M / STD14M
Typical applications: – Linear drives
– Positioning drives
– Low-noise drives


TK, ATK track timing belts

are a combination of synchronous belts and V-belts with high directional stability.
Metric pitches TK5 / TK10 / TK20 / ATK5 / ATK10
Preferred applications: use without flanged pulleys on synchronous pulleys when there are large lateral forces, conveying and positioning applications with large center distances.


Single-sided toothing

T2.5 / T5 / T10 / T20
AT3 / AT5 / AT10 / AT20
MXL / XL / L / H / XH
HTD / STD 5M. 8M. 14M


Double-sided toothing

T5 DL / T10 DL / (T20 DL)
AT5 DL / AT10 DL
(HDL)


Polyamide fabric on the tooth side NT

T5 / T10 / T20
AT5 / AT10 / AT20
XL / L / H / XH
HTD / STD / RPP
The low friction value on the tooth side makes it easier for the tooth to engage in the pulley, reduces noise and friction on the running surface.


Polyamide fabric on the back side NB

T5 / T10 / T20
AT5 / AT10 / AT20
XL / L / H / XH
HTD / STD
The low friction value on the back side of the tooth results in good gliding properties and wear resistance.


Polyamide fabric on both sides NTB

T5 / T10 / T20
AT5 / AT10
XL / L / H / XH
HTD / STD / RPP
T5 / T10 / AT5 anti-static version available



T-pitches



	T2,5	T5	T10	T20
Min. length - V in mm	350	340	400	1000
Slitting lanes mm	25	16 / 25	16 / 25	16 / 25
Full roll length in m	100	100	100	50
Min. tooth no. without counter flection Zmin	15	10	12	15
Tension pulley on tooth side dmin mm	15	20	60	120
Min. tooth no. with counter flection Zmin	18	18	20	25
Tension pulley on back of belt dmin mm	18	30	60	150
Polyamide fabric, tooth side NT		x	x	x
Polyamide fabric, belt back side PAR		x	x	x
Polyamide fabric, both sides NTB		x	x	x
FDA/EU approved (aramid cords)		x	x	
Antistatic available NTB		x	x	

AT-pitches



	AT3	AT5	AT5L	AT10	AT10L	AT20	AT20L
Min. length - V in mm	649	340		380		1000	
Slitting lanes mm		16 / 25	25	16 / 25		25	
Full roll length in m	100	100	100	100	100	50	50
Min. tooth no. without counter flection Zmin	15	15	15	15	25	18	30
Tension pulley on tooth side dmin mm	20	25	30	50	80	120	200
Min. tooth no. with counter flection Zmin	20	25	25	25	35	25	40
Tension pulley on back of belt dmin mm	20	60	60	120	150	180	250
Polyamide fabric, tooth side NT		x	x	x	x	x	x
Polyamide fabric, back side NB		x	x	x	x	x	x
Polyamide fabric, both sides NTB		x	x	x	x	x	x
FDA/EU approved (aramid cords)		x		x			
Antistatic available NTB		x					

Imperial pitches



	XL	L	H	XH
Min. length -V in mm	508	508	508	1000
Slitting lanes mm	25,4	25,4	25,4	25,4
Full roll length in m	100	100	100	50
Min. tooth no. without counter flection Zmin	15	15	14	18
Tension pulley on tooth side dmin mm	30	60	60	150
Min. tooth no. with counter flection Zmin	18	20	20	25
Tension pulley on back of belt dmin mm	30	60	80	180
Polyamide fabric, tooth side NT	x	x	x	x
Polyamide fabric, back side NB	x	x	x	x
Polyamide fabric, both sides NTB	x	x	x	x
FDA/EU approved (aramid cords)			x	

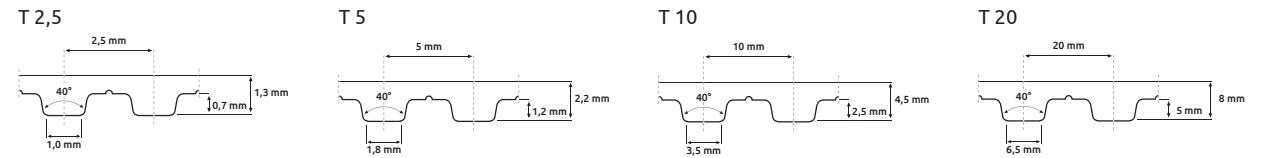
HTD- und STD-pitches



	HTD5M	HTD8M	HTDL8	HTD14	HTDL14M	STD5	STD8
Min. length - V in mm	480	480		1000		480	960
Slitting lanes mm	25	25		55		25	20 / 30
Full roll length in m	100	100	100	50	50	100	100
Min. tooth no. without counter flection Zmin	16	18	32	25	36	14	20
Tension pulley on tooth side dmin mm	25	50	80	125	160	22	50
Min. tooth no. with counter flection Zmin	20	25	40	35	40	20	26
Tension pulley on belt back dmin mm	60	120	150	200	250	60	120
Polyamide fabric, tooth side NT	x	x	x	x	x	x	x
Polyamide fabric, back side NB	x	x	x	x	x	x	x
Polyamide fabric, both sides NTB	x	x	x	x	x	x	x



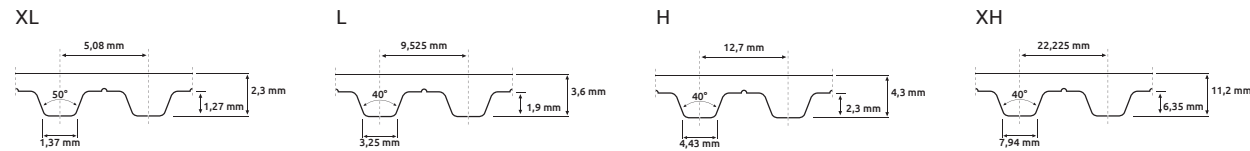
T-pitches



Pitch	Standard width	Maximum width	Specific belt weight				Ultimate tensile strength				Allowable belt force open ended				Allowable belt force welded				Allowable effective force
			msp (kg/m/mm)				Fbreak (N)				Fzul (N)				Fzul (N)				
			Steel	Aramid	HF	SS	Steel	Aramid	HF	SS	Steel	Aramid	HF	SS	Steel	Aramid	HF	SS	
T2,5	10	20	0.0014				410			100				50					
T2,5	16	20	0.0014				610			150				75					
T2,5	20	20	0.0014				820			200				100					
T5	10	150	0.0022	0.0020			1250	3162		311	346			156	259			356	
T5	16	150	0.0022	0.0020			2000	5245		498	574			249	430			570	
T5	25	150	0.0022	0.0020			3375	8370		840	916			420	687			890	
T5	32	150	0.0022	0.0020			4250	10800		1058	1181			529	886			1139	
T5	50	150	0.0022	0.0020			6875	17050		1711	1865			856	1399			1780	
T5	75	150	0.0022	0.0020			10375	25730		2582	2814			1291	2111			2670	
T5	100	150	0.0022	0.0020			13875	34410		3453	3764			1727	2823			3560	
T10	12	150	0.0044	0.0036	0.0047		2940	3601	4340	786	474	964		393	355	482		811	
T10	16	150	0.0044	0.0036	0.0047		4200	4980	6200	1123	655	1376		561	491	688		1082	
T10	25	150	0.0044	0.0036	0.0047		7140	8085	10540	1909	1064	2340		954	798	1170		1690	
T10	32	150	0.0044	0.0036	0.0047		9240	10500	13640	2470	1381	3028		1235	1036	1514		2163	
T10	40	150	0.0044	0.0036	0.0047		11340	13259	16740	3031	1744	3716		1516	1308	1858		2704	
T10	50	150	0.0044	0.0036	0.0047		14700	16709	21700	3929	2189	4818		1965	1648	2409		3380	
T10	75	150	0.0044	0.0036	0.0047		22260	25333	32860	5950	3332	7295		2975	2499	3648		5070	
T10	100	150	0.0044	0.0036	0.0047		29820	33957	44020	7971	4467	9773		3985	3350	4886		6760	
T10	150	150	0.0044	0.0036	0.0047		44940	51205	66340	12012	6736	14728		6006	5052	7364		10140	
T20	25	150	0.0075	0.0059	0.0072	0.0074	14250	16185	12975	10688	3741	1750	3456	2806	1871	1313	1728	1403	3160
T20	32	150	0.0075	0.0059	0.0072	0.0074	18050	21019	16435	13538	4739	2273	4378	3554	2369	1705	2189	1777	4025
T20	50	150	0.0075	0.0059	0.0072	0.0074	29450	33449	26815	22088	7731	3617	7142	5799	3866	2713	3571	2899	6320
T20	75	150	0.0075	0.0059	0.0072	0.0074	44650	50713	40655	33488	11722	5483	10829	8791	5861	4113	5414	4396	9480
T20	100	150	0.0075	0.0059	0.0072	0.0074	59850	67977	54495	44888	15712	7350	14515	11784	7856	5513	7258	5892	12640
T20	150	150	0.0075	0.0059	0.0072	0.0074	90250	102505	82175	67688	23693	11083	21888	17770	11847	8313	10944	8885	18960



Imperial pitches



Pitch	Standard width		Maximum width	Specific belt weight			Ultimate tensile strength			Allowable belt force open ended			Allowable belt force welded			Allowable effective force
	(Inch)	mm		msp (kg/m/mm)			Fbreak (N)			Fzul (N)			Fzul (N)			
				Steel	Aramid	HF	Steel	Aramid	HF	Steel	Aramid	HF	Steel	Aramid	HF	
XL	0.25	6.35	150	0.0022	0.0019		750	976		190	213		95	159		200
XL	0.31	7.94	150	0.0022	0.0019		875	1238		221	270		111	202		248
XL	0.37	9.53	150	0.0022	0.0019		1125	1525		284	332		142	249		300
XL	0.50	12.70	150	0.0022	0.0019		1625	2074		411	452		205	339		400
XL	0.75	19.05	150	0.0022	0.0019		2500	3172		632	691		316	518		600
XL	1	25.40	150	0.0022	0.0019		3375	4270		853	930		427	698		800
XL	2	50.80	150	0.0022	0.0019		6875	8662		1738	1887		869	1415		1600
XL	4	101.60	150	0.0022	0.0019		13875	17300		3509	3770		1754	2800		3200
L	0.37	9.53	150	0.0035	0.0030		2280	2672		574	428		287	321		600
L	0.50	12.70	150	0.0035	0.0030		3135	3674		790	588		395	441		800
L	0.75	19.05	150	0.0035	0.0030		4845	5678		1221	909		610	681		1200
L	1	25.40	150	0.0035	0.0030		6555	7682		1652	1229		826	922		1600
L	1.5	38.10	150	0.0035	0.0030		9975	11690		2513	1871		1257	1403		2400
L	2	50.80	150	0.0035	0.0030		13395	15698		3375	2512		1687	1884		3200
L	4	101.6	150	0.0035	0.0030		27075	31730		6821	5078		3411	3808		6400
H	0.50	12.70	152.4	0.0040	0.0032	0.0043	3360	3773	4960	912	504	1119	456	378	559	980
H	0.75	19.05	152.4	0.0040	0.0032	0.0043	5040	5929	7440	1369	792	1678	684	594	839	1470
H	1	25.40	152.4	0.0040	0.0032	0.0043	7140	8085	10540	1939	1081	2377	970	810	1189	1960
H	1.5	38.10	152.4	0.0040	0.0032	0.0043	10920	12397	16120	2966	1657	3636	1483	1243	1818	2940
H	2	50.80	152.4	0.0040	0.0032	0.0043	14700	16709	21700	3992	2233	4895	1996	1675	2447	3920
H	3	76.20	152.4	0.0040	0.0032	0.0043	22260	25333	32860	6045	3386	7412	3023	2593	3706	5880
H	4	101.6	152.4	0.0040	0.0032	0.0043	29820	33957	44020	8098	4538	9929	4049	3404	4965	7840
H	6	152.4	152.4	0.0040	0.0032	0.0043	44940	51205	66340	12205	6843	14964	6102	5132	7482	11760
XH	1	25.40	152.4	0.0106	0.0091		14250	16185		3801	1778		1900	1334		3910
XH	1.5	38.10	152.4	0.0106	0.0091		21850	24817		5828	2726		2914	2045		5865
XH	2	50.80	152.4	0.0106	0.0091		29450	33449		7855	3675		3928	2756		7820
XH	3	76.20	152.4	0.0106	0.0091		44650	50713		11909	5571		5955	4178		11730
XH	4	101.6	152.4	0.0106	0.0091		59850	67977		15944	7468		7982	5601		15640
XH	6	152.4	152.4	0.0106	0.0091		90250	102505		24072	11261					23460



Polyurethane molded timing belts (sleeves) are cast in special molds with endless helically spooled steel or aramid tensile cords and thermoplastic polyurethane. In view of the high pitch accuracy along the entire length of the belt, molded timing belts are excellent for power transmission and linear applications, are particularly well suited for smooth running and high speeds.

Properties and special characteristics

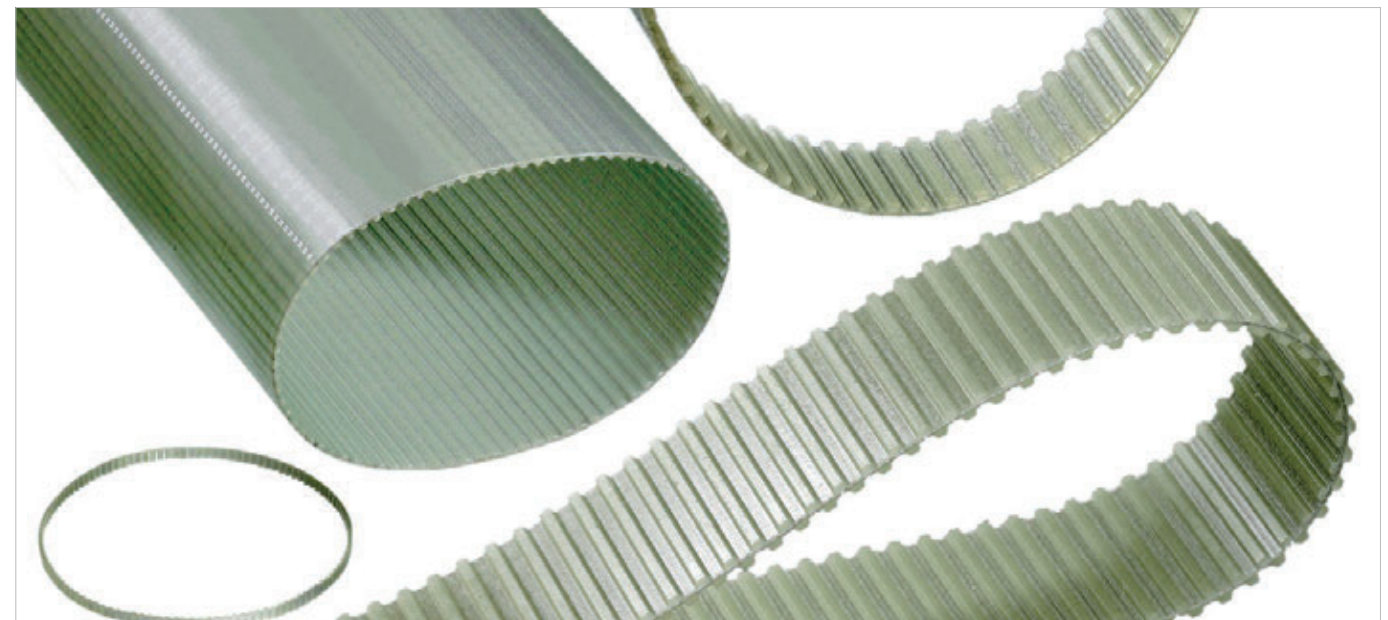
- Molded, thermoplastic polyurethane construction
- Full performance and power transmission with endless cords
- Outstanding chemical resistance
- Accurate and smooth running properties
- High abrasion resistance, fatigue resistance and cut resistance

Versions

- Pitches T2.5 / T5 / T10 / AT5 / AT10 / AT20 / T2.5DL / T5DL / T10 DL / MXL / XL / L / H
- Standard sleeve width 300 (380) mm, cut in widths starting from 4 mm
- Tensile cords: standard steel, aramid on request (with minimum purchasing quantity)
- Polyamide fabric on tooth side PAZ on request (with minimum purchasing quantity)

Applications

- Packaging machines
- Paper industry
- Textile industry
- Glass industry
- Wood processing machines





T 2,5	
Length	Teeth
120	48
145	58
160	64
177.5	71
180	72
182.5	73
200	80
210	84
230	92
245	98
265	106
277.5	111
285	114
290	116
305	122
317.5	127
330	132
342.5	137
380	152
420	168
480	192
500	200
540	216
600	240
620	248
650	260
680	272
700	280
780	312
880	352
915	366
950	380
1185	474

T 5	
Length	Teeth
120	24
150	30
165	33
180	36
185	37
200	40
210	42
215	43
220	44
225	45
245	49
250	50
255	51
260	52
270	54
275	55
280	56
295	59
300	60
305	61
320	64
325	65
330	66
340	68
355	71
360	72
365	73
375	75
395	79
400	80
410	82
420	84
425	85
430	86
440	88
445	89
450	90
455	91
460	92
475	95
480	96
500	100
515*	103
525	105
545	109
550	110
560*	112
575	115
590	118
600	120
610	122
620	124

T 5	
Length	Teeth
625	125
630	126
640	128
650	130
660	132
675	135
690	138
700	140
720	144
725	145
750	150
765	153
780	156
800	160
815	163
830	166
840	168
850	170
860	172
885	177
920	184
940	188
990	198
1000	200
1075	215
1100	220
1115	223
1140	228
1160	232
1200	240
1215	243
1275	255
1280	256
1315	263
1350	270
1355	271
1380	276
1440	288
1470	294
1500	300
1580	316
1955	391

T 10	
Length	Teeth
260	26
320	32
340	34
350	35
370	37
390	39
400	40
410	41
440	44
450	45
480	48
500	50
530	53
550	55
560	56
600*	60
610	61
630*	63
650	65
660	66
680	68
690	69
700	70
720*	72
730	73
750	75
780	78
800*	80
810	81
840	84
850	85
880	88
890	89
900*	90
910	91
920*	92
950	95
960	96
970	97
980	98
1000	100
1010	101
1050	105
1080	108
1100	110
1110	111
1140	114
1150	115
1200	120
1210	121
1240	124
1250	125
1300	130

T 10	
Length	Teeth
1320	132
1350	135
1390	139
1400	140
1420	142
1440	144
1450	145
1460	146
1500	150
1560	156
1600	160
1610	161
1700	170
1750	175
1780	178
1800	180
1880	188
1960	196
2250	225



AT 5	
Length	Teeth
225	45
255	51
275	55
280	56
300	60
330	66
340	68
375	75
390	78
420	84
450	90
455	91
480	96
500	100
525	105
545	109
600	120
610	122
620	124
630	126
660	132
670	134
710	142
720	144
750	150
780	156
825	165
860	172
975	195
1050	210
1125	225
1500	300
2000	400

AT 20	
Length	Teeth
1000	50

AT 10	
Length	Teeth
370	37
500	50
530	53
560	56
580	58
600	60
610	61
630	63
660	66
700	70
730	73
780	78
800	80
810	81
840	84
880	88
890	89
920	92
960	96
980	98
1000	100
1010	101
1050	105
1080	108
1100	110
1150	115
1190	119
1200	120
1210	121
1220	122
1230	123
1240	124
1250	125
1280	128
1300	130
1320	132
1350	135
1360	136
1400	140
1420	142
1480	148
1500	150
1600	160
1630	163
1700	170
1720	172
1800	180
1860	186
1940	194

T 2,5 DL	
Length	Teeth
457.5	183

T 5 DL	
Length	Teeth
300	60
350	70
400	80
410	82
450	90
460	92
480	96
500	100
515	103
525	105
550	110
590	118
600	120
620	124
650	130
685	137
700	140
750	150
800	160
815	163
840	168
860	172
900	180
940	188
1100	220

T 10 DL	
Length	Teeth
260	26
530	53
600	60
630	63
660	66
700	70
720	72
750	75
800	80
840	84
900	90
920	92
980	98
1010	101
1100	110
1150	115
1240	124
1250	125
1320	132
1350	135
1400	140
1420	142
1500	150
1600	150
1610	161
1700	170
1800	180
1880	188

* Without transverse groove in tooth gap, aramid cord with minimum purchasing quantity available on request

Length in mm.
Max. sleeve width 400 mm.
Other sizes on request.

Length in mm.
Max. sleeve width 400 mm.
Other sizes on request.

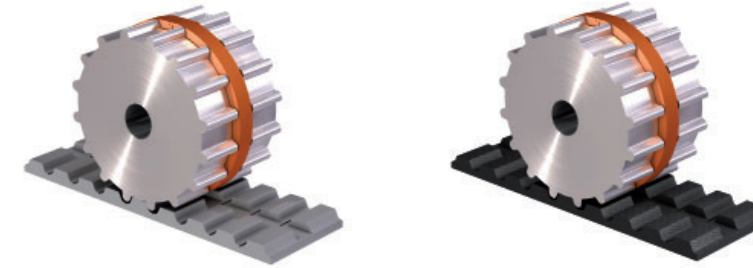


MXL		
Type	Length	Teeth
240MXLPU	60.96	30
280MXLPU	71.12	35
320MXLPU	81.28	40
360MXLPU	91.44	45
400MXLPU	101.60	50
440MXLPU	111.76	55
456MXLPU	115.80	57
480MXLPU	121.9	60
560MXLPU	142.2	70
576MXLPU	146.3	72
600MXLPU	152.4	75
608MXLPU	154.4	76
632MXLPU	160.5	79
640MXLPU	162.5	80
656MXLPU	166.6	82
704MXLPU	178.8	88
728MXLPU	184.9	91
736MXLPU	186.9	92
768MXLPU	195.1	96
808MXLPU	205.2	101
816MXLPU	207.2	102
824MXLPU	209.2	103
840MXLPU	213.4	105
880MXLPU	223.5	110
912MXLPU	231.6	114
944MXLPU	239.7	118
960MXLPU	243.8	120
1040MXLPU	264.1	130
1056MXLPU	268.2	132
1080MXLPU	274.3	135
1120MXLPU	284.4	140
1160MXLPU	294.6	145
1200MXLPU	304.8	150
1240MXLPU	314.9	155
1400MXLPU	355.6	175
1520MXLPU	386.1	190
1600MXLPU	406.4	200
1768MXLPU	449.1	221
2048MXLPU	520.1	256
2240MXLPU	568.9	280
2280MXLPU	579.1	285
2464MXLPU	625.8	308
2656MXLPU	674.6	332
2816MXLPU	715.2	352
2880MXLPU	731.5	360
3160MXLPU	802.6	395
3240MXLPU	822.9	405
3296MXLPU	837.1	412
3456MXLPU	877.8	432
3632MXLPU	922.5	454
3880MXLPU	985.5	485

XL		
Type	Length	Teeth
60XLPU	152.40	30
70XLPU	177.80	35
76XLPU	193.00	38
80XLPU	203.20	40
84XLPU	213.36	42
90XLPU	228.60	45
94XLPU	238.76	47
96XLPU	243.84	48
100XLPU	254.00	50
102XLPU	259.08	51
104XLPU	264.16	52
106XLPU	269.24	53
110XLPU	279.40	55
114XLPU	289.56	57
116XLPU	294.64	58
120XLPU	304.80	60
124XLPU	314.96	62
126XLPU	320.04	63
128XLPU	325.12	64
130XLPU	330.20	65
134XLPU	340.30	67
136XLPU	345.44	68
140XLPU	355.60	70
150XLPU	381.00	75
152XLPU	386.08	76
154XLPU	391.16	77
160XLPU	406.40	80
166XLPU	421.64	83
168XLPU	426.72	84
170XLPU	431.80	85
180XLPU	457.20	90
186XLPU	472.44	93
190XLPU	482.60	95
194XLPU	492.70	97
200XLPU	508.00	100
210XLPU	533.40	105
212XLPU	538.48	106
220XLPU	558.80	110
230XLPU	584.20	115
240XLPU	609.60	120
250XLPU	635.00	125
254XLPU	645.16	127
260XLPU	660.40	130
270XLPU	685.80	135
288XLPU	731.50	144
290XLPU	736.60	145
300XLPU	762.00	150
320XLPU	812.80	160
330XLPU	838.20	165
356XLPU	904.20	178
360XLPU	914.40	180
376XLPU	955.04	188
384XLPU	975.36	192
390XLPU	990.60	195
414XLPU	1051.50	207
450XLPU	1143.00	225
460XLPU	1168.40	230
480XLPU	1219.20	240
512XLPU	1300.48	256
550XLPU	1397.00	275
564XLPU	1432.56	282
566XLPU	1437.60	283
630XLPU	1600.20	315
670XLPU	1701.80	335

L		
Type	Length	Teeth
86LPU	219.0	23
124LPU	314.3	33
150LPU	381.0	40
173LPU	438.1	46
187LPU	476.2	50
202LPU	514.4	54
210LPU	533.4	56
225LPU	571.5	60
240LPU	609.6	64
255LPU	647.7	68
270LPU	685.8	72
285LPU	723.9	76
300LPU	762.0	80
322LPU	819.1	86
345LPU	876.3	92
367LPU	933.4	98
390LPU	990.6	104
420LPU	1066.8	112
450LPU	1143.0	120
480LPU	1219.2	128
510LPU	1295.4	136
540LPU	1371.6	144
570LPU	1447.8	152
600LPU	1524.0	160

H		
Type	Length	Teeth
230HPU	584.2	46
240HPU	609.6	48
270HPU	685.8	54
300HPU	762.0	60
330HPU	838.2	66
360HPU	914.4	72
390HPU	990.6	78
420HPU	1066.8	84
450HPU	1143.0	90
480HPU	1219.2	96
510HPU	1295.4	102



easy drive® track timing belts can be made from the complete range of polyurethane and neoprene timing belts: in open lengths, welded, as sleeve, endless Flex or wide timing belts, in almost any length and width. The directional guiding, with groove in tooth, either is already integrated in the timing belt during production or added later. These timing belts exhibit the same properties as standard timing belts. However, in addition, axial movement is prevented and the zero-play guiding leads to high directional stability. For the **easy drive®** timing belt guiding, a two-part ring, the two parts of which mesh accurately with one another, is mounted on the pulley. And the timing belt, which is fitted with a corresponding groove, engages with the guide ring without any play, reliably and precisely.

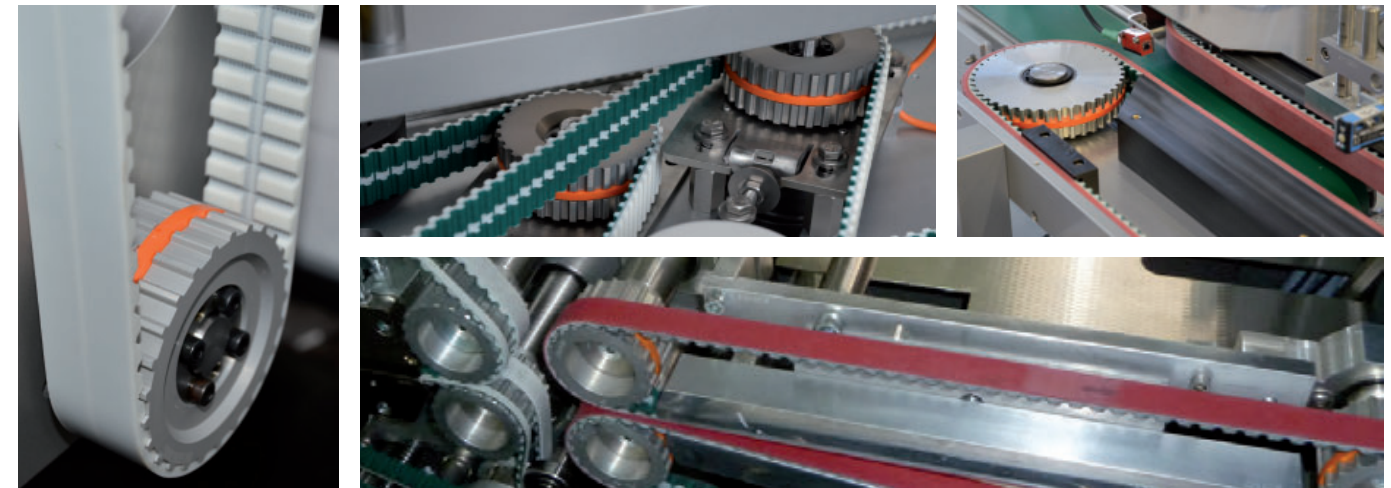
Properties and special features

- Prevents axial run-off and dislocation on the pulley
- Highest directional stability and zero-play running
- Absorbs relatively high lateral forces arising transversely to the running direction
- Vibration of the timing belts is reduced
- Can be used with every tooth profile, in all sizes and pitches
- Flanged pulleys are not needed anymore (small available space)
- Highest flexibility of the timing belts together with smallest pulley diameter
- Very quiet running properties
- Can be used in both running directions (reverse operation)
- High operational reliability

Applications

- Packaging machines
- Labeling systems
- Conveyor plants and linear axes
- Flat glass production
- Feeding to pressing and grinding machines
- Feeding and assembly systems
- Measuring instruments
- Elevating platforms
- For all timing belt applications

Length in mm.
Max. sleeve width 300 mm.
Other sizes on request.





Self-tracking timing belts with V-profile guides



Keiper self-tracking PU timing belts are made of abrasion-resistant polyurethane and high-strength steel or aramid cords. They are produced in open lengths. The V-guide either is integrated in the timing belt during production or welded onto the belt later. These timing belts exhibit the same properties as standard timing belts. In addition, axial movements are prevented. Keiper self-guiding PU track timing belts are available as endless welded belts and cut goods, in almost any length and width.

Properties and special features:

- Prevents axial movements
- V-guides can be combined with any tooth profile in all sizes
- Eliminate the need for flanged pulleys
- The notched design gives rise to extra flexibility

Applications:

Long-length conveying and positioning applications with large center distances. Applications in which axial movement is a problem and flanged pulleys cannot be used.

Integral V-guide

	TK5 K6	TK10 K6	TK10 K13	TK20 K13
Integral V-guide, width x height mm	6x4	6x4	13x6,5	13x6,5
Min. length -V in mm	960	960	960	1500
Slitting lanes mm	25	25	25	
Full roll length in m	100	100	100	50
Min. no. of teeth without counter flection Zmin	15	25	25	18
Tension pulley on tooth side dmin mm	60	60	80	120
Min. no. of teeth with counter flection Zmin	25	25	25	25
Tension pulley on belt back dmin mm	60	80	80	180
Polyamide fabric on tooth side NT	x	x	x	x
Polyamide fabric on back side NB	x	x	x	
Polyamide fabric on both sides NTB	x	x	x	

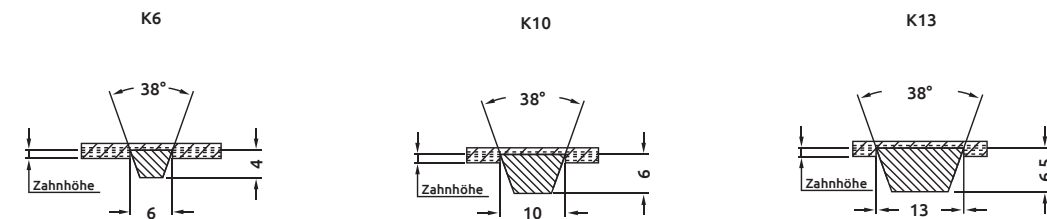
	ATK5 K6	ATK5L K6	ATK10 K13	ATK20 K13	HK K13
Integral V-guide, width x height mm	6x4	6x4	13x6,5	13x6,5	12,5x6
Min. length -V in mm	960		960	1000	914
Slitting lanes mm	25	25	25		25,4
Full roll length in m	100	100	100	50	61
Min. no. of teeth without counter flection Zmin	15	15	20	20	18
Tension pulley on tooth side dmin mm	60	60	60	120	80
Min. no. of teeth with counter flection Zmin	25	25	25	25	20
Tension pulley on belt back dmin mm	60	60	120	180	120
Polyamide fabric on tooth side NT	x	x	x	x	x
Polyamide fabric on back side NB	x	x	x		x
Polyamide fabric on both sides NTB	x	x	x		x

Welded V-guide (possible for all tooth profiles)

Min. length welded	800 mm	800 mm	800 mm	800 mm	800 mm
Design	K6 x 4	K10 x 6	K13 x 6,5	K13 x 8	K17 x 11
Smooth	x	x	x	x	x
Notched	x		x		



V-guide dimensions



Pitch	Standard width	Max. width	Specific belt weight			Ultimate tensile strength			Allowable belt force open ended			Allowable belt force welded			Allowable effective force
			msp (kg/m)			Fbreak (N)			Fzul (N)			Fzul (N)			
	mm	mm	Steel	Ara-mid	HF	Steel	Ara-mid	HF	Steel	Ara-mid	HF	Steel	Ara-mid	HF	min. Z15
TK5 K6	25	150	0.07	0.07		3375	8370		840	916		420	687		676
TK5 K6	32	150	0.09	0.08		4250	10800		1058	1181		529	886		926
TK5 K6	50	150	0.13	0.12		6875	17050		1711	1865		856	1399		1566
TK5 K6	100	150	0.24	0.22		13875	34410		3453	3764		1727	2823		3346
TK10 K6	25	150	0.13	0.11		7140	9163		1909	1064		954	798		1284
TK10 K6	32	150	0.16	0.13		9240	11880		2470	1381		1235	1036		1758
TK10 K6	50	150	0.24	0.20		14700	18865		3929	2189		1965	1648		2974
TK10 K13	25	150	0.18	0.16		7140	9163		1909	1064		954	798		811
TK10 K13	32	150	0.21	0.18		9240	11880		2470	1381		1235	1036		1284
TK10 K13	50	150	0.29	0.25		14700	18865		3929	2189		1965	1648		2501
TK10 K13	75	150	0.40	0.34		22260	28567		5950	3332		2975	2499		4191
TK10 K13	100	150	0.50	0.43		29820	38269		7971	4467		3985	3350		5881
TK10 K13	150	150	0.72	0.61		44940	57673		12012	6736		6006	5052		9261
ATK5 K6	25	150	0.10	0.09		7125	8350		1761	1210		880	908		980
ATK5 K6	50	150	0.19	0.15		14535	17034		3591	2468		1796	1851		2270
ATK5L K6	25	150	0.09			10540			2340						980
ATK5L K6	50	150	0.16			21700			4818						2270
ATK10 K13	25	150	0.21	0.17	0.21	14250	16185	12975	3741	1750	3456	1871	1313	1728	1238
ATK10 K13	32	150	0.25	0.20	0.24	18050	21019	16435	4739	2273	4378	2369	1705	2189	1961
ATK10 K13	50	150	0.35	0.28	0.34	29450	33449	26815	7731	3617	7142	3866	2713	3571	3818
ATK10 K13	75	150	0.50	0.38	0.48	44650	50713	40655	11722	5483	10829	5861	4113	5414	6398
HK K13	50.80	152.4	0.27	0.23		14700	16709		3992	2233		1996	1675		2955
HK K13	76.20	152.4	0.37	0.31		22260	25333		6045	3386		3023	2593		4915
HK K13	101.6	152.4	0.47	0.39		29820	33957		8098	4538		4049	3404		6875
HK K13	152.4	152.4	0.67	0.56		44940	51205		12205	6843		6102	5132		10795



PU wide timing belts

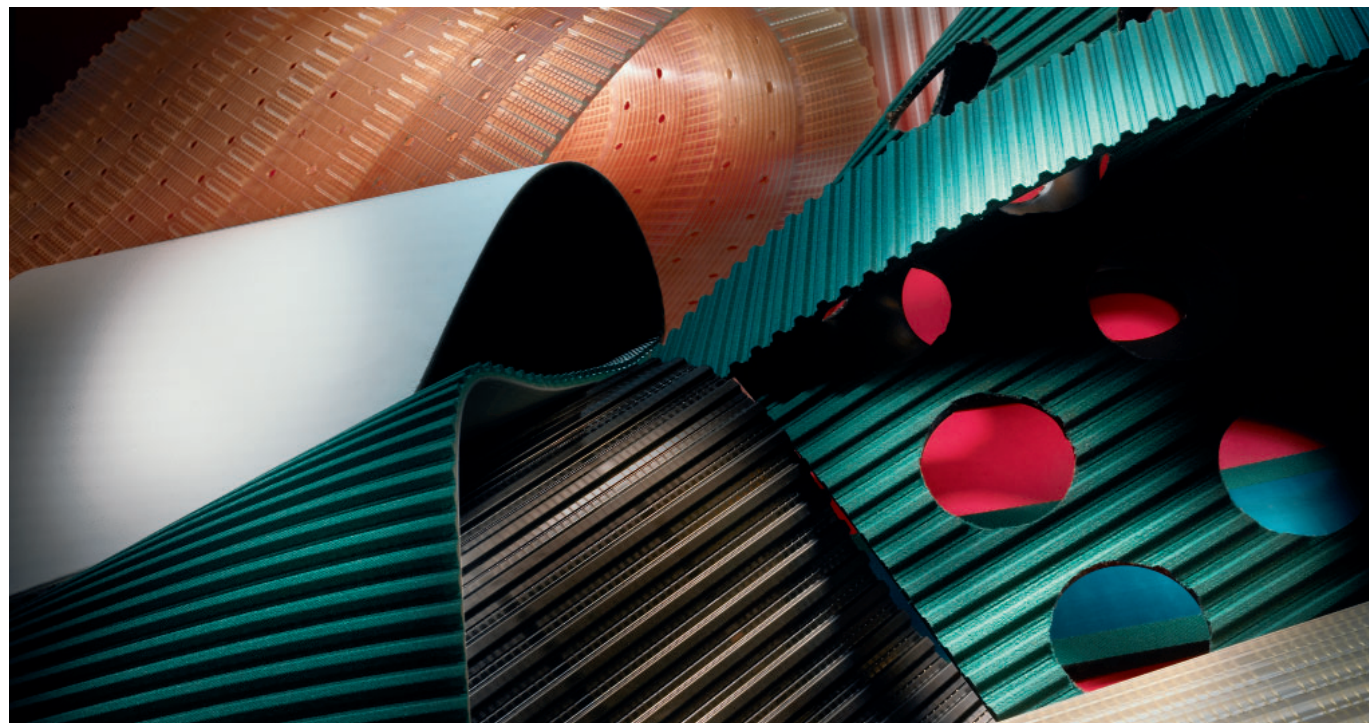
Keiper PU wide timing belts are made of abrasion-resistant polyurethane and high-strength aramid cords in widths up to 900mm. These timing belts are specially designed for synchronous transport applications. In view of the production width as well as outstanding mechanical and chemical properties, they can be used for many applications. Moreover, it is possible to use special materials such as, for example, polyurethane that is suitable for contact with foodstuffs or a nylon fabric on the tooth and/or back side.

Properties and special features:

- High-strength aramid tension cords
- Parallel arrangement of tension cords to ensure even distribution of tension
- Form-fit, synchronous running
- Low-noise, high abrasion resistance and flexibility
- High chemical resistance
- Different types of polymers are available, e.g. FDA approved
- Large selection of coatings, profiles/cleats
- Low shaft loading
- High acceleration without slippage
- Easy to clean

Applications:

- As a substitute for transport belts for synchronous positioning
- Applications in the foodstuffs industry
- Sausage, meat and cheese processing
- Conveying bulk goods
- Automatic production processes
- Instead of modular transport belts

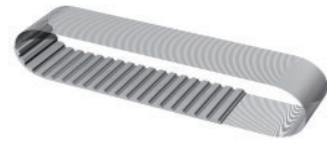


General

	WT5	WT10	WH
Tension member	Aramid	Aramid	Aramid
Standard color	blue	transparent / blue	transparent
Min. length -V in mm	1000	1100	1105
Slitting lanes mm		64	63,5
Full roll length in m	100	60	61
Min. no. of teeth without counter flection Zmin	10	14	14
Tension pulley on tooth side dmin mm	30	60	60
Min. no. of teeth with counter flection Zmin	20	20	20
Tension pulley on belt back dmin mm	50	80	80
Polyamide facing on tooth side NT		x	x
Polyamide facing on back side NB		x	x
Polyamide fabric on both sides NTB		x	x
FDA/EU approved (aramid cords)	x	x	x

Technical data

Pitch	Standard width	Max. width	Specific belt weight	Ultimate tensile strength	Allowable belt force open ended	Allowable belt force welded	Allowable effective force
	mm	mm	kg/m/mm	Fbreak (N)	Fzul (N)	Fzul (N)	FUzul
WT5	200	500	0.0025	14800	4200	3150	
WT5	300	500	0.0025	22200	6300	4725	
WT10	150	500	0.0039	21021	3180	2385	7500
WT10	200	500	0.0039	28028	4240	3180	10000
WT10	250	500	0.0039	35574	5300	3975	12500
WT10	300	500	0.0039	42581	6360	4770	15000
WT10	450	500	0.0039	64141	9540	7155	22500
WH	152.4	500	0.0033	21021	3180	2385	8820
WH	203.2	500	0.0033	28028	4240	3180	11760
WH	254	500	0.0033	35574	5300	3975	14700
WH	304.8	500	0.0033	42581	6360	4770	17640
WH	457.2	500	0.0033	64141	9540	7155	26460



Keiper PU FLEX timing belts are extruded endless with helically spooled steel or aramid cords. PU FLEX timing belts exhibit the same high mechanical, chemical and physical properties as our other PU timing belts. Endless, helically spooled timing belts provide a substantially higher transfer of power than endless welded timing belts. Therefore, they can be used for all kinds of power transmission as well as conveying and positioning applications.

Tension members

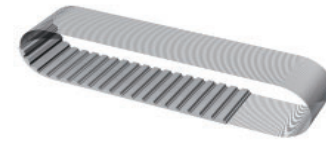
- Standard steel
- Special designs with aramid, high-flexible steel HF, reinforced steel L and stainless steel available on request

Special designs

- Double sided starting from a length of 1500 mm
- Anti-static properties
- PU compound suitable for foodstuffs
- Polyamide fabric on the tooth side NT

Applications

- Heavy load tasks
- High power transfer
- Foil machines
- Textile industry
- Conveyor systems
- Wood and glass industries



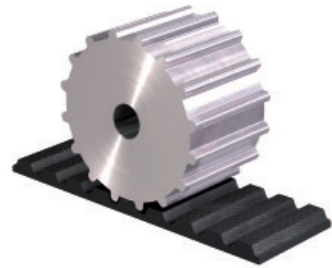
	T5	T10	T20	AT5	AT10	AT20
Min. length in mm up to 700 mm width	800	800	900	800	800	900
Min. length in mm up to 750 mm width	1500	1500	1500	1500	1500	1500
Max. length in mm	23500	23500	23500	23500	23500	23500
Width tolerance +/- in mm	0.5	0.5	1	0.5	0.5	1
Thickness tolerance +/- in mm	0.2	0.2	0.2	0.2	0.2	0.2
Min. no. of teeth without counter flection Zmin	10	14	15	15	15	18
Tension pulley on tooth side dmin mm	30	60	120	25	50	120
Min. no. of teeth with counter flection Zmin	18	20	25	20	25	25
Tension pulley on belt back dmin mm	30	60	120	50	120	180
Double-sided toothing possible	x	x	x	x	x	x

	XL	L	H	XH
Min. length in mm up to 707.6 mm width	800	800	800	1500
Min. length in mm up to 752.4 mm width				1500
Max. length in mm	22758	22758	22758	22758
Width tolerance +/- in mm	0.5	0.5	0.5	1
Thickness tolerance +/- in mm	0.2	0.2	0.2	0.2
Min. no. of teeth without counter flection Zmin	15	15	14	18
Tension pulley on tooth side dmin mm	30	60	60	150
Min. no. of teeth with counter flection Zmin	18	20	20	25
Tension pulley on belt back dmin mm	30	60	80	180
Double-sided toothing possible		x	x	

	HTD5M	HTD8M	HTD14M	STD5	STD8	STD14
Min. length in mm up to 700 mm width	800	800	1500	800	1500	1500
Min. length in mm up to 750 mm width	1500	1500	1500	1500	1500	
Max. length in mm	22768	22768	22768	22768	22768	22768
Width tolerance +/- in mm	0,5	1	1,5	0,5	1	1,5
Thickness tolerance +/- in mm	0,2	0,2	0,2	0,2	0,2	0,2
Min. no. of teeth without counter flection Zmin	16	18	25	14	20	32
Tension pulley on tooth side dmin mm	25	50	125	22	50	140
Min. no. of teeth with counter flection Zmin	16	18	25	14	20	32
Tension pulley on belt back dmin mm	60	120	180	60	120	250
Double-sided toothing possible	x	x	x		x	



Neoprene timing belts are manufactured in a sophisticated production process using chloroprene with glass-fiber cords and protective fabrics on the running surface. This material combination renders them suitable for heavy-duty, high-speed machine drives that require a constant transmission of speed and need to be basically maintenance-free. Neoprene timing belts are characterized by high efficiency, accurate running properties and high operational reliability. They exhibit outstanding mechanical, chemical and physical properties.



Neoprene timing belts are available by the meter in open length or endless sleeves in almost all lengths and widths.



Neoprene molded timing belts (sleeves) are vulcanized in special molds. In view of the high pitch accuracy along the entire length of the belt, they ensure smooth running and are suitable for high speeds.



Neoprene timing belts, open-ended
Open-ended timing belts are primarily used in linear applications. They are reinforced with glass-fiber or steel cords.



Imperial profile
Imperial pitches
MXL = 2.032 mm
XL = 5.08 mm
L = 9.525 mm
H = 12.7 mm
XH = 22.225 mm
XXH = 31.75 mm



Double Imperial profile
Imperial pitches
DXL = 5.08 mm
DL = 9.525 mm
DH = 12.7 mm



RPP profile
2M, 3M, 5M, 8M, 14M, 20M



HTD profile
3M, 5M, 8M, 14M, 20M



Double RPP / HTD profile
D5M, D8M, D14M
D5M, D8M, D14M



STD profile
S2M, S3M, S5M, S8M, S14M



Double STD profile
DS2M, DS3M, DS8M, DS14M



MXL Pitch 2.032 mm		
Type	Length	Teeth
264	67.06	33
360	91.44	45
432	109.73	54
440	111.76	55
448	113.79	56
456	115.82	57
464	117.86	58
480	121.92	60
488	123.95	61
536	136.14	67
544	138.18	68
560	142.24	70
568	144.27	71
576	146.30	72
600	152.40	75
608	154.43	76
632	160.53	79
640	162.56	80
656	166.62	82
664	168.66	83
672	170.69	84
680	172.72	85
704	178.82	88
720	182.88	90
728	184.91	91
736	186.94	92
752	191.01	94
760	193.04	95
776	197.10	97
800	203.20	100
808	205.23	101
816	207.26	102
824	209.30	103
840	213.36	105
848	215.39	106
856	217.42	107
864	219.46	108
880	223.52	110
896	227.58	112
904	229.62	113
912	231.65	114
920	233.68	115
944	239.80	118
952	241.80	119
960	243.84	120
976	247.90	122
984	249.94	123
1000	254.00	125
1008	256.03	126
1016	258.10	127
1040	264.16	130
1056	268.22	132

MXL Pitch 2.032 mm		
Type	Length	Teeth
1072	272.29	134
1080	274.32	135
1112	282.45	139
1120	284.48	140
1136	288.54	142
1176	298.70	147
1184	300.74	148
1200	304.80	150
1224	310.90	153
1272	323.09	159
1280	325.12	160
1320	335.28	165
1360	345.44	170
1400	355.60	175
1440	365.76	180
1472	373.89	184
1520	386.08	190
1560	396.24	195
1600	406.40	200
1680	426.70	210
1696	430.80	212
1786	449.07	221
1800	457.20	225
1832	465.30	229
1856	471.40	232
1888	479.55	236
1984	503.94	248
1992	505.97	249
2008	510.03	251
2048	520.19	256
2144	544.58	268
2240	568.96	280
2360	599.40	295
2384	605.54	298
2480	629.92	310
2496	634.00	312
2520	640.08	315
2584	656.30	323
2680	680.72	335
2776	705.10	347
2864	727.50	358
2880	731.52	360
2920	741.68	365
2976	755.90	372
3024	768.10	378
3064	778.30	383
3104	788.40	388
3200	812.80	400

MXL Pitch 2.032 mm		
Type	Length	Teeth
3296	837.20	412
3424	869.70	428
3472	881.89	434
3480	883.90	435
3520	894.10	440
3624	920.50	453
3632	922.50	454
3704	940.82	463
3944	1001.80	493
3984	1011.90	498
4000	1016.00	500
4040	1026.16	505
4064	1032.30	508
4200	1066.80	525
4280	1087.10	535
4320	1097.30	540
4456	1131.80	557
4736	1202.90	592
4800	1219.20	600
5224	1326.98	653



XL Pitch 5.08 mm		
Type	Length	Teeth
54	137.20	27
60	152.40	30
70	177.80	35
80	203.20	40
86	218.44	43
88	223.52	44
90	228.60	45
92	233.68	46
94	238.76	47
96	243.84	48
98	248.90	49
100	254.00	50
102	259.08	51
104	264.20	52
106	269.24	53
108	274.32	54
110	279.40	55
112	284.48	56
116	294.64	58
118	299.72	59
120	304.80	60
124	314.96	62
126	320.04	63
128	325.12	64
130	330.20	65
134	340.36	67
136	345.44	68
138	350.52	69
140	355.60	70
142	360.68	71
146	370.80	73
148	375.92	74
150	381.00	75
156	396.24	78
160	406.40	80
162	411.48	81
166	421.40	83
168	426.72	84
170	431.80	85
174	441.96	87
176	447.04	88
178	452.12	89
180	457.20	90
182	462.28	91
184	467.36	92
188	477.52	94
190	482.60	95

XL Pitch 5.08 mm		
Type	Length	Teeth
192	487.68	96
194	492.76	97
196	497.84	98
198	502.90	99
200	508.00	100
202	513.10	101
210	533.40	105
212	538.50	106
214	543.60	107
220	558.80	110
228	579.10	114
230	584.20	115
234	594.40	117
240	609.60	120
244	619.76	122
248	629.92	124
250	635.00	125
260	660.40	130
270	685.80	135
272	690.88	136
274	695.96	137
276	701.00	138
280	711.20	140
286	726.44	143
290	736.60	145
296	751.84	148
300	762.00	150
306	777.24	153
310	787.40	155
316	802.64	158
320	812.80	160
322	817.88	161
330	838.20	165
340	863.60	170
344	873.76	172
350	889.00	175
360	914.40	180
380	965.20	190
382	970.28	191
388	985.52	194
390	990.60	195
392	995.68	196
412	1046.48	206
414	1051.56	207
432	1097.28	216
434	1102.36	217
438	1112.52	219

XL Pitch 5.08 mm		
Type	Length	Teeth
460	1168.40	230
498	1264.92	249
506	1285.24	253
514	1305.56	257
530	1346.20	265
580	1473.20	290
600	1524.00	300
630	1600.20	315
710	1803.40	355

Standard widths

- 3/4" ~ 19.05 mm Code-No. 075
- 1" ~ 25.40 mm Code-No. 100
- 1 1/2" ~ 38.10 mm Code-No. 150
- 2" ~ 50.80 mm Code-No. 200
- 3" ~ 76.20 mm Code-No. 300
- 4" ~ 101.6 mm Code-No. 400
- 5" ~ 127.0 mm Code-No. 500

Length in mm.
Deviating width possible
Sleeve width ~ 470 mm

Standard widths

- 3/4" ~ 19.05 mm Code-No. 075
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Length in mm.
Deviating width possible
Sleeve width ~ 470 mm



L Pitch 9.525 mm		
Type	Length	Teeth
109	276.23	29
124	314.33	33
150	381.00	40
165	419.10	44
169	428.63	45
173	438.15	46
187	476.25	50
202	514.40	54
210	533.40	56
225	571.50	60
232	590.55	62
236	600.08	63
240	609.60	64
255	647.70	68
263	666.75	70
270	685.80	72
285	723.90	76
300	762.00	80
322	819.15	86
334	848.40	89
345	876.30	92
360	914.40	96
367	933.45	98
375	952.50	100
390	990.60	104
405	1028.70	108
420	1066.80	112
424	1076.33	113
427	1085.85	114
435	1104.90	116
439	1114.43	117
450	1143.00	120
454	1152.53	121
480	1219.20	128
510	1295.40	136
525	1333.50	140
540	1371.60	144
600	1524.00	160
630	1600.20	168
660	1676.40	176
728	1847.90	194
817	2076.50	218

H Pitch 12.7 mm		
Type	Length	Teeth
230	584.20	46
240	609.60	48
255	647.70	51
270	685.80	54
280	711.20	56
300	762.00	60
310	787.40	62
315	800.10	63
320	812.80	64
330	838.20	66
335	850.90	67
340	863.60	68
350	889.00	70
360	914.40	72
370	939.80	74
375	952.50	75
390	990.60	78
400	1016.00	80
410	1041.40	82
420	1066.80	84
430	1092.20	86
450	1143.00	90
465	1181.10	93
480	1219.20	96
490	1244.60	98
510	1295.40	102
520	1320.80	104
530	1346.20	106
540	1371.60	108
560	1422.40	112
570	1447.80	114
580	1473.20	116
600	1524.00	120
630	1600.20	126
650	1651.00	130
660	1676.40	132
670	1701.80	134
680	1727.20	136
700	1778.00	140
720	1828.80	144
725	1841.50	145
730	1854.20	146
750	1905.00	150
770	1955.80	154
800	2032.00	160
810	2057.40	162
820	2082.80	164
850	2159.00	170
860	2184.40	172
900	2286.00	180
950	2413.00	190
1000	2540.00	200
1100	2794.00	220
1120	2844.80	224
1140	2895.60	228
1150	2921.00	230
1250	3175.00	250
1400	3556.00	280
1645	4178.30	329
1700	4318.00	340

XH Pitch 22.225 mm		
Type	Length	Teeth
507	1289.05	58
534	1356.40	61
560	1422.40	64
630	1600.20	72
700	1778.00	80
770	1955.80	88
840	2133.60	96
980	2489.20	112
1120	2844.80	128
1260	3200.40	144
1400	3556.00	160
1540	3911.60	176
1750	4445.00	200

XXH Pitch 31.75 mm		
Type	Length	Teeth
700	1778.00	56
800	2032.00	64
900	2286.00	72
1000	2540.00	80
1200	3048.00	96
1400	3556.00	112
1600	4064.00	128
1800	4572.00	144



DXL Pitch 5.08 mm		
Type	Length	Teeth
120	304,80	60
130	330,20	65
140	355,60	70
146	370,80	73
150	381,00	75
156	396,20	78
160	406,40	80
170	431,80	85
176	447,00	88
180	457,20	90
182	462,30	91
188	477,50	94
190	482,60	95
198	502,90	99
200	508,00	100
202	513,10	101
210	533,40	105
212	538,50	106
214	543,60	107
220	558,80	110
228	579,10	114
230	584,20	115
234	594,40	117
240	609,60	120
250	635,00	125
260	660,40	130
270	685,80	135
276	701,00	138
280	711,20	140
290	736,60	145
300	762,00	150
310	787,40	155
316	802,60	158
320	812,80	160
330	838,20	165
344	873,80	172
352	894,10	176
364	924,60	182
380	965,20	190
384	975,40	192
388	985,50	194
390	990,60	195
392	995,70	196
434	1102,40	217
460	1168,40	230
530	1346,20	265
600	1524,00	300
710	1803,40	355

DL Pitch 9.525 mm		
Type	Length	Teeth
124	314.30	33
135	342.90	36
150	381.00	40
173	438.20	46
187	476.25	50
202	514.40	54
210	533.40	56
225	571.50	60
240	609.60	64
255	647.70	68
270	685.80	72
285	723.90	76
300	762.00	80
322	819.15	86
345	876.30	92
367	933.45	98
390	990.60	104
405	1028.70	108
412	1047.70	110
420	1066.80	112
450	1143.00	120
480	1219.20	128
510	1295.40	136
540	1371.60	144
600	1524.00	160
728	1847.90	194
817	2076.50	218

DH Pitch 12.7 mm		
Type	Length	Teeth
240	609.60	48
270	685.80	54
300	762.00	60
330	838.20	66
360	914.40	72
390	990.60	78
420	1066.80	84
450	1143.00	90
480	1219.20	96
510	1295.40	102
540	1371.60	108
570	1447.80	114
600	1524.00	120
630	1600.20	126
660	1676.40	132
670	1701.80	134
700	1778.00	140
725	1841.50	145
750	1905.00	150
800	2032.00	160
850	2159.00	170
900	2286.00	180
1000	2540.00	200
1100	2794.00	220
1120	2844.80	224
1140	2895.60	228
1150	2921.00	230
1250	3175.00	250
1400	3556.00	280
1645	4178.30	329
1700	4318.00	340

Standard widths

3/4" ~ 19.05 mm Code-No. 075
 1" ~ 25.40 mm Code-No. 100
 1 1/2" ~ 38.10 mm Code-No. 150
 2" ~ 50.80 mm Code-No. 200
 3" ~ 76.20 mm Code-No. 300
 4" ~ 101.6 mm Code-No. 400
 5" ~ 127.0 mm Code-No. 500

Length in mm.
 Deviating width possible
 Sleeve width ~ 203 /305 mm

Standard widths

1" ~ 25.40 mm Code-No. 100
 1 1/2" ~ 38.10 mm Code-No. 150
 2" ~ 50.80 mm Code-No. 200
 3" ~ 76.20 mm Code-No. 300
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 5" ~ 127.0 mm Code-No. 500

Length in mm.
 Deviating width possible
 Sleeve width ~ 203 /305 mm



3M Pitch 3 mm		
Type	Length	Teeth
111	111	37
117	117	39
120	120	40
123	123	41
126	126	42
129	129	43
141	141	47
144	144	48
150	150	50
156	156	52
159	159	53
165	165	55
168	168	56
171	171	57
174	174	58
177	177	59
180	180	60
183	183	61
186	186	62
192	192	64
195	195	65
201	201	67
204	204	68
207	207	69
210	210	70
213	213	71
216	216	72
225	225	75
237	237	79
240	240	80
243	243	81
246	246	82
249	249	83
252	252	84
255	255	85
267	267	89
276	276	92
282	282	94
285	285	95

3M Pitch 3 mm		
Type	Length	Teeth
288	288	96
291	291	97
294	294	98
300	300	100
306	306	102
312	312	104
315	315	105
318	318	106
330	330	110
333	333	111
336	336	112
339	339	113
345	345	115
357	357	119
363	363	121
366	366	122
384	384	128
390	390	130
411	411	137
420	420	140
426	426	142
435	435	145
447	447	149
462	462	154
474	474	158
477	477	159
480	480	160
486	486	162
489	489	163
495	495	165
501	501	167
513	513	171
519	519	173
522	522	174
525	525	175
531	531	177
537	537	179
558	558	186
564	564	188

3M Pitch 3 mm		
Type	Length	Teeth
570	570	190
582	582	194
591	591	197
594	594	198
597	597	199
600	600	200
606	606	202
612	612	204
615	615	205
633	633	211
648	648	216
669	669	223
672	672	224
675	675	225
708	708	236
711	711	237
738	738	246
753	753	251
804	804	268
816	816	272
843	843	281
882	882	294
888	888	296
945	945	315
960	960	320
1041	1041	347
1062	1062	354
1068	1068	356
1071	1071	357
1125	1125	375
1176	1176	392
1245	1245	415
1263	1263	421
1500	1500	500
1530	1530	510
1569	1569	523
1587	1587	529
1692	1692	564
1863	1863	621



5M Pitch 5 mm		
Type	Length	Teeth
120	120	24
180	180	36
225	225	45
255	255	51
265	265	53
270	270	54
280	280	56
295	295	59
300	300	60
305	305	61
325	325	65
330	330	66
340	340	68
345	345	69
350	350	70
360	360	72
365	365	73
370	370	74
375	375	75
385	385	77
400	400	80
415	415	83
420	420	84
425	425	85
450	450	90
460	460	92
475	475	95
490	490	98
500	500	100
520	520	104
525	525	105
535	535	107
540	540	108
550	550	110
560	560	112
565	565	113
575	575	115
580	580	116
600	600	120
610	610	122
615	615	123
620	620	124
625	625	125
630	630	126
635	635	127
640	640	128
645	645	129
650	650	130
655	655	131
665	665	133
670	670	134

5M Pitch 5 mm		
Type	Length	Teeth
700	700	140
710	710	142
720	720	144
740	740	148
745	745	149
750	750	150
755	755	151
775	775	155
790	790	158
800	800	160
810	810	162
825	825	165
830	830	166
835	835	167
845	845	169
850	850	170
860	860	172
870	870	174
890	890	178
900	900	180
920	920	184
925	925	185
935	935	187
940	940	188
950	950	190
960	960	192
965	965	193
975	975	195
980	980	196
1000	1000	200
1025	1025	205
1035	1035	207
1050	1050	210
1100	1100	220
1125	1125	225
1135	1135	227
1200	1200	240
1270	1270	254
1380	1380	276
1400	1400	280
1420	1420	284
1425	1425	285
1500	1500	300
1595	1595	319
1690	1690	338
1790	1790	358
1800	1800	360
1870	1870	374
1895	1895	379
1910	1910	382
2000	2000	400
2110	2110	422
2250	2250	450
2350	2350	470
2525	2525	505

8M Pitch 8 mm		
Type	Length	Teeth
288	288	36
320	320	40
352	352	44
376	376	47
416	416	52
424	424	53
480	480	60
512	512	64
520	520	65
536	536	67
560	560	70
576	576	72
584	584	73
600	600	75
608	608	76
624	624	78
632	632	79
640	640	80
656	656	82
672	672	84
680	680	85
712	712	89
720	720	90
744	744	93
760	760	95
776	776	97
784	784	98
792	792	99
800	800	100
824	824	103
840	840	105
848	848	106
856	856	107
880	880	110
896	896	112
912	912	114
920	920	115
936	936	117
960	960	120
968	968	121
976	976	122
1000	1000	125
1040	1040	130
1056	1056	132
1064	1064	133
1080	1080	135
1096	1096	137
1120	1120	140
1128	1128	141
1152	1152	144
1160	1160	145
1168	1168	146
1184	1184	148
1192	1192	149
1200	1200	150
1216	1216	152
1224	1224	153
1248	1248	156

Length in mm.
Sleeve width ~ 470 mm

Length in mm.
Sleeve width ~ 470 mm



8M Pitch 8 mm		
Type	Length	Teeth
1256	1256	157
1264	1264	158
1280	1280	160
1296	1296	162
1304	1304	163
1320	1320	165
1328	1328	166
1344	1344	168
1360	1360	170
1392	1392	174
1400	1400	175
1424	1424	178
1432	1432	179
1440	1440	180
1480	1480	185
1520	1520	190
1552	1552	194
1584	1584	198
1600	1600	200
1680	1680	210
1696	1696	212
1728	1728	216
1760	1760	220
1800	1800	225
1896	1896	237
1904	1904	238
1936	1936	242
2000	2000	250
2080	2080	260
2104	2104	263
2240	2240	280
2248	2248	281
2272	2272	284
2400	2400	300
2504	2504	313
2600	2600	325
2800	2800	350
3048	3048	381
3280	3280	410
3600	3600	450
4400	4400	550

14M Pitch 14 mm		
Type	Length	Teeth
966	966	69
1092	1092	78
1190	1190	85
1344	1344	96
1400	1400	100
1456	1456	104
1512	1512	108
1540	1540	110
1610	1610	115
1680	1680	120
1778	1778	127
1890	1890	135
2100	2100	150
2310	2310	165
2450	2450	175
2590	2590	185
2800	2800	200
3150	3150	225
3360	3360	240
3500	3500	250
3850	3850	275
4004	4004	286
4326	4326	309
4578	4578	327

20M Pitch 20 mm		
Type	Length	Teeth
2000*	2000	100
2500*	2500	125
3400*	3400	170
3800*	3800	190
4200*	4200	210
4600*	4600	230
5000*	5000	250
5200*	5200	260
5400*	5400	270
5600*	5600	280
5800*	5800	290
6000*	6000	300
6200*	6200	310
6400*	6400	320
6600*	6600	330

* On request



D5M Pitch 5 mm		
Type	Length	Teeth
565	565	113
600	600	120
610	610	122
615	615	123
630	630	126
635	635	127
640	640	128
665	665	133
670	670	134
675	675	135
700	700	140
705	705	141
710	710	142
725	725	145
740	740	148
755	755	151
800	800	160
835	835	167
850	850	170
890	890	178
900	900	180
935	935	187
940	940	188
950	950	190
980	980	196
1000	1000	200
1025	1025	205
1050	1050	210
1100	1100	220
1125	1125	225
1135	1135	227
1195	1195	239
1200	1200	240
1240	1240	248
1270	1270	254
1420	1420	284
1500	1500	300
1595	1595	319
1605	1605	321
1690	1690	338
1790	1790	358
1800	1800	360
1870	1870	374
1895	1895	379
1945	1945	389
2000	2000	400
2250	2250	450
2525	2525	505

Length in mm.
Sleeve width ~ 470 mm

D8M Pitch 8 mm		
Type	Length	Teeth
600	600	75
608	608	76
632	632	79
640	640	80
656	656	82
680	680	85
720	720	90
776	776	97
784	784	98
800	800	100
840	840	105
880	880	110
896	896	112
920	920	115
960	960	120
1000	1000	125
1040	1040	130
1080	1080	135
1120	1120	140
1128	1128	141
1160	1160	145
1184	1184	148
1200	1200	150
1224	1224	153
1248	1248	156
1256	1256	157
1264	1264	158
1280	1280	160
1304	1304	163
1328	1328	166
1344	1344	168
1352	1353	169
1360	1360	170
1400	1400	175
1424	1424	178
1440	1440	180
1464	1464	183
1520	1520	190
1552	1552	194
1584	1584	198
1600	1600	200
1680	1680	210
1696	1696	212
1728	1728	216
1760	1760	220
1792	1792	224
1800	1800	225
1904	1904	238
1936	1936	242
2000	2000	250
2080	2080	260
2104	2104	263
2200	2200	275
2240	2240	280
2272	2272	284
2400	2400	300
2504	2504	313
2520	2520	315
2600	2600	325
2800	2800	350
2840	2840	355
3048	3048	381
3200	3200	400
3280	3280	410
3600	3600	450
4000	4000	500
4400	4400	550

D14M Pitch 14 mm		
Type	Length	Teeth
966	966	69
994	994	71
1092	1092	78
1106	1106	79
1120	1120	80
1190	1190	85
1260	1260	90
1288	1288	92
1344	1344	96
1400	1400	100
1442	1442	103
1568	1568	112
1610	1610	115
1750	1750	125
1764	1764	126
1778	1778	127
1848	1848	132
1890	1890	135
1904	1904	136
1960	1960	140
2100	2100	150
2240	2240	160
2310	2310	165
2380	2380	170
2450	2450	175
2520	2520	180
2590	2590	185
2660	2660	190
2800	2800	200
2968	2968	212
3136	3136	224
3150	3150	225
3304	3304	236
3360	3360	240
3500	3500	250
3850	3850	275
3920	3920	280
4326	4326	309
4410	4410	315
4578	4578	327
4956	4956	354

Length in mm.
Sleeve width ~ 470 mm



S3M Pitch 3 mm		
Type	Length	Teeth
120*	120	40
150*	150	50
177*	177	59
201*	201	67
225*	225	75
252*	252	84
264*	264	88
276*	276	92
300*	300	100
339*	339	113
384*	384	128
420*	420	140
459*	459	153
486*	486	162
501*	501	167
537*	537	179
564*	564	188
633*	633	211

* On request

** Type S2M on request

** Type S4, 5M on request

S5M Pitch 5 mm		
Type	Length	Teeth
255*	255	51
295*	295	59
325*	325	65
350*	350	70
375*	375	75
390	390	78
400*	400	80
425*	425	85
475*	475	95
490	490	98
500*	500	100
520	520	104
525*	525	105
560*	560	112
575*	575	115
600*	600	120
625*	625	125
650*	650	130
675*	675	135
700*	700	140
750*	750	150
800*	800	160
850*	850	170
900*	900	180
950*	950	190
1000*	1000	200
1050*	1050	210
1125*	1125	225
1270*	1270	254
1350*	1350	270
1420*	1420	284
1800*	1800	360
2000*	2000	400

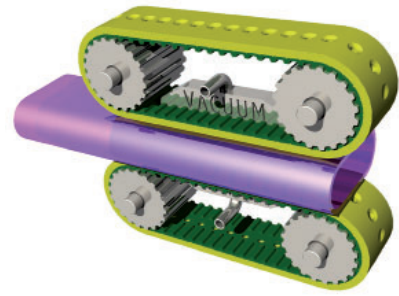
S8M Pitch 8 mm		
Type	Length	Teeth
440	440	55
480	480	60
560	560	70
600	600	75
632	632	79
640	640	80
656	656	82
680	680	85
688	688	86
696	696	87
712	712	89
720	720	90
728	728	91
736	736	92
760	760	95
768	768	96
784	784	98
792	792	99
800	800	100
824	824	103
848	848	106
864	864	108
880	880	110
896	896	112
912	912	114
920	920	115
944	944	118
960	960	120
992	992	124
1000	1000	125
1024	1024	128
1032	1032	129
1040	1040	130
1056	1056	132
1064	1064	133
1072	1072	134
1120	1120	140
1136	1136	142



S8M Pitch 8 mm		
Type	Length	Teeth
1152	1152	144
1160	1160	145
1168	1168	146
1176	1176	147
1184	1184	148
1192	1192	149
1200	1200	150
1208	1208	151
1216	1216	152
1240	1240	155
1248	1248	156
1256	1256	157
1264	1264	158
1280	1280	160
1304	1304	163
1312	1312	164
1344	1344	168
1352	1352	169
1360	1360	170
1400	1400	175
1408	1408	176
1440	1440	180
1480	1480	185
1552	1552	194
1600	1600	200
1760	1760	220
1776	1776	222
1800	1800	225
1816	1816	227
1912	1912	239
2000	2000	250
2024	2024	253
2240	2240	280
2392	2392	299
2400	2400	300
2496	2496	312
2800	2800	350
3200	3200	400

S14M Pitch 14 mm		
Type	Length	Teeth
1400	1400	100
1540	1540	110
1610	1610	115
1890	1890	135
2002	2002	143
2100	2100	150
2240	2240	160
2310	2310	165
2450	2450	175
2590	2590	185
2800	2800	200
3150	3150	225
3500	3500	250
3850	3850	275
4004	4004	286
4508	4508	322
5012	5012	358

DS8M Pitch 8 mm		
Type	Length	Teeth
1160	1160	145
1168	1168	146
1176	1176	147
1184	1184	148
1200	1200	150
1216	1216	152
1240	1240	155
1256	1256	157
1264	1264	158
1280	1280	160
1304	1304	163
1312	1312	164
1344	1344	168
1400	1400	175
1408	1408	176
1440	1440	180
1480	1480	185
1600	1600	200
1760	1760	220
1776	1776	222



KEIPER haul-off timing belts, which are used for conveying foils in bag forming, filling and sealing machines as well as many other conveying tasks, are made with polyurethane or neoprene timing belts in combination with many different kinds of coatings.

The extensive range of designs, e.g. with a smooth or vacuum-processed surface, can be finished according to individual specifications and with many different coatings: the optimal solution for any transport task and application.

Timing belts

- Polyurethane molded timing belts
- Neoprene molded timing belts

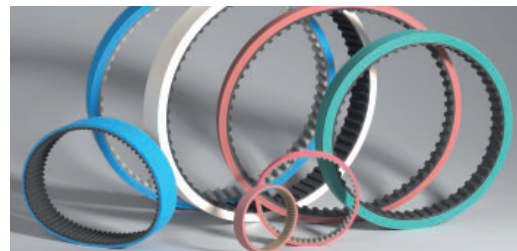
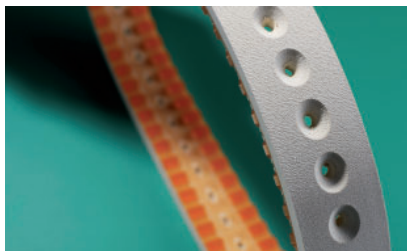
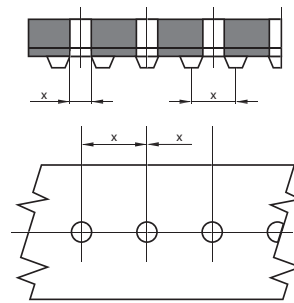
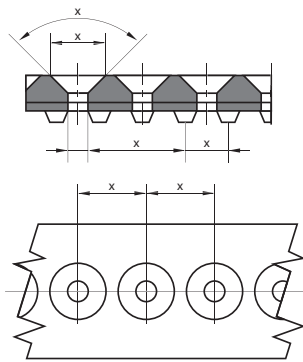
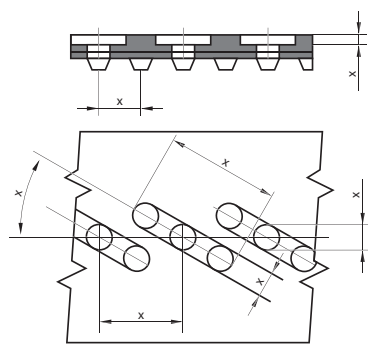
Cords

- Steel
- Aramid
- Polyester
- Glass fiber

Coatings

- PU yellow
- Linatex
- Different elastomers
- Silicone

Types of vacuum belts



As a rule, all our polyurethane and neoprene molded timing belts can be produced and adapted with our large range of coatings and machining options so as to comply with individual specifications. We also have a large number of commercial standard lengths, some of which are molded endless and are available with different tension members and different vacuum types.

Coating			Type of timing belt								
			PU	PU	PU	PU/NE	NE	NE	NE	NE	NE
Max. width in mm	Thickness in mm	Surface	AT5	AT70	T5	T70	XL	L	H	HTD 5M	HTD 8M
80	3	smooth	AT5-330		T5-330		130XL	130L		330-5M	
60	6	smooth			T5-350	T10-350	140XL			350-5M	
60	3	smooth	AT5-455		T5-455		180XL	180L		455-5M	
60	6	smooth		AT10-560	T5-560	T10-560	220XL		220H	560-5M 565-5M	560-8M
30	4.5	smooth		AT10-580	T5-570 T5-575	T10-580	230XL	225L		570-5M 575-5M	
30	6	smooth		AT10-580	T5-570 T5-575	T10-580	230XL	225L		570-5M 575-5M	565-8M
50	6	smooth	AT5-610	AT10-610	T5-610	T10-610	240XL	240L		610-5M 615-5M	
60	6	smooth	AT5-630	AT10-630	T5-630	T10-630	250XL		250H	630-5M	632-8M
60	4	smooth	AT5-630	AT10-630	T5-630	T10-630	250XL		250H	630-5M	632-8M
40	6	B	AT5-630	AT10-630	T5-630	T10-630	250XL		250H	630-5M	632-8M
44	3	smooth			T5-650	T10-650	256XL 260XL	255L	255H	650-5M 655-5M	656-8M
60	6	smooth			T5-650	T10-650	256XL 260XL	255L	255H	650-5M 655-5M	656-8M
50	3	smooth	AT5-660	AT10-660	T5-660	T10-660	260XL		260H	655-5M	
44	6	smooth	AT5-710	AT10-700	T5-700	T10-700	276XL 280XL	277L	280H	700-5M	
50	6	A	AT5-720		T5-720 T5-725	T10-700	286XL	285L	285H	725-5M	720-8M
50	6	smooth	AT5-780	AT10-780	T5-780	T10-780	310XL		310H		784-8M
50	6	smooth		AT10-920		T10-920	364XL	367L	365H	920-5M	920-8M
50	3.5	A		AT10-920		T10-920	364XL	367L	365H	920-5M	920-8M





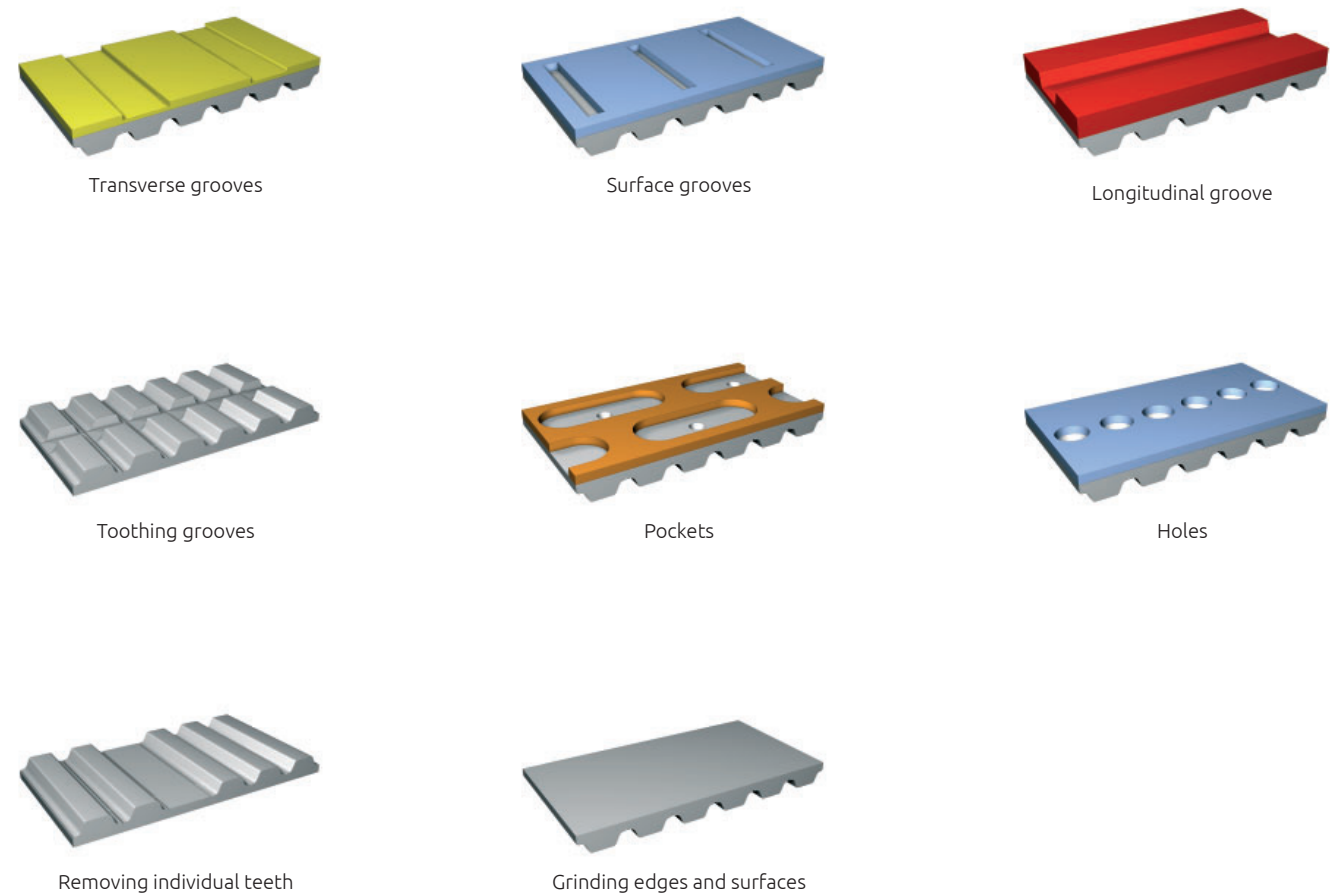
Individuality and myriad applications

Timing belts can be coated with many different materials so as to be optimally suited for the product that is to be conveyed and the specific function as required in the material flow.



Designs and specifications

By machining the timing belts and surfaces, for example, by milling, grinding and punching, individual features or properties required for a specific application can be obtained.





Material	Thick-ness in mm (approx.)	Shore A kg/m ³	Color	Abrasion resistance	Max. Temp. in °C	Thick-ness factor min.	Resistance to simple oils/grease	FDA	Examples / fields of application
PVC coatings									
PVC transparent	1/2/3/4	80	Transpa-rent	Medium	60	30	No	No	Packaging, transport of sensitive parts
PVC white FDA	1/2	75	White	Medium/low	60	30	Plant	Yes	Packaging, transport of sensitive parts
PVC blue (petrol)	1/2	60	Blue	Medium/low	60	25	No	No	Packaging, transport of sensitive parts
Supergrip petrol	4.5	45	Petrol	Medium/low	60	40 mm	No	No	Packaging, transport, wetness, wood, paper
Supergrip green	4	50	Green	Medium/low	60	40 mm	No	No	Packaging, transport, wetness, wood, paper
Supergrip white	3.5	50	White	Medium/low	60	40 mm	Plant	Yes	Food, wood, wetness
Grip petrol	1.5	60	Petrol	Medium	60	40 mm	No	No	Packaging, plaster board, glass
Nubbed white	1.5	65	White	Low	60	30 mm	Plant	Yes	Food, packaging, light dirt
Nubbed blue	1.5	65	Light blue	Low	60	30 mm	Plant	Yes	Food, packaging, light dirt
Linear groove petrol	1.5	60	Petrol	Medium	60	40 mm	No	No	Conveying, high clinging, dirt
Waffle white	1	70	White	Medium	60	40 mm	Plant	Yes	Food, pasta, packaging
Waffle blue	1	70	Blue	Medium	60	40 mm	Plant	Yes	Food, pasta, packaging
Toothgrip white	3	65	White	Medium	60	50 mm	Plant	Yes	Food, packaging, wood
Fishbone white	3.5	70	White	Medium	60	70 mm	Plant	Yes	Food, wood, wetness, frozen goods
Biggrip blue	5.5	60	Blue	Medium	60	50 mm	No	No	Metal, wood, stones, wetness
PU coatings									
PU transparent 80	1/2/3/4	85	Transpa-rent	High	80	30	Yes	No	Glass, wood, sheet metal, plastic, stone
PU transparent 60	2	60	Transpa-rent	High	80	30	Yes	Yes	Food, packaging, glass
PU white FDA	1/2	90	White	High	70	50	Yes	Yes	Food, packaging
PU blue FDA	1/2	85	Light blue	High	70	30	Yes	Yes	Food, packaging
Vulkollan D15	1-15	70/82	Transp.-yellow	Very high	80	30/50	Yes	No	Accumulation mode, glass, wood, metal, plastic
Polythane D44	1-15	72	Brown	High	60	30	Yes	No	Accumulation mode, glass, wood, metal, plastic
PP blue FDA	3	85	Blue	High	70	80 mm	Yes	Yes	Food, meat, sausage processing
SP blue FDA	3	85	Blue	High	70	50 mm	Yes	Yes	Food, meat, sausage processing
SP white FDA	3	85	White	High	70	50 mm	Yes	Yes	Food, meat, sausage processing
PU Linear groove, transp.	2	80	Transpa-rent	High	70	50 mm	Yes	No	Oily, moist metals, glass, bricks
PU Nubbed transparent	3	80	Transpa-rent	High	70	70 mm	Yes	No	Oily, moist metals, glass, bricks
PU Waffle white	3	80	White	High	70	90 mm	Yes	Yes	Wood, bricks, food
PU Grip white	1,5	80	White	High	70	50 mm	Yes	Yes	Food, packaging
Celloflex	1-10	RG400	Yellow-brown	Medium	60	30	Limited	No	Cardboard goods, accumulation, pcbs, textile
PU yellow (gray)	2-10	50	Yellow (gray)	Medium	60	25	Yes	No	Packaging, vacuum, textile, glass, wood
Sylomer blue	2-25	RG220	Blue	Low	60	20	Limited	No	Guiding, centering, pressing on, labels
Sylomer green	2-25	RG300	Green	Low	60	25	Limited	No	Guiding, centering, pressing on, labels
Sylomer brown	2-25	RG400	Brown	Low	60	30	Limited	No	Guiding, centering, pressing on
Sylomer yellow	2-25	RG150	Yellow	Low	60	15	Limited	No	Guiding, centering, pressing on

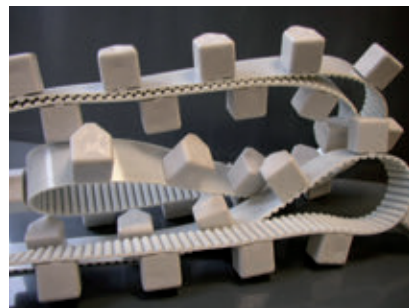
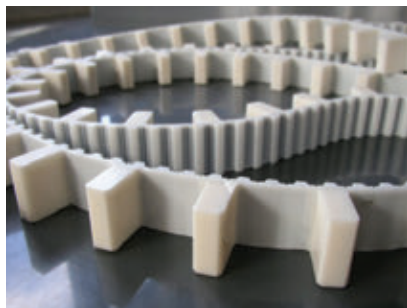
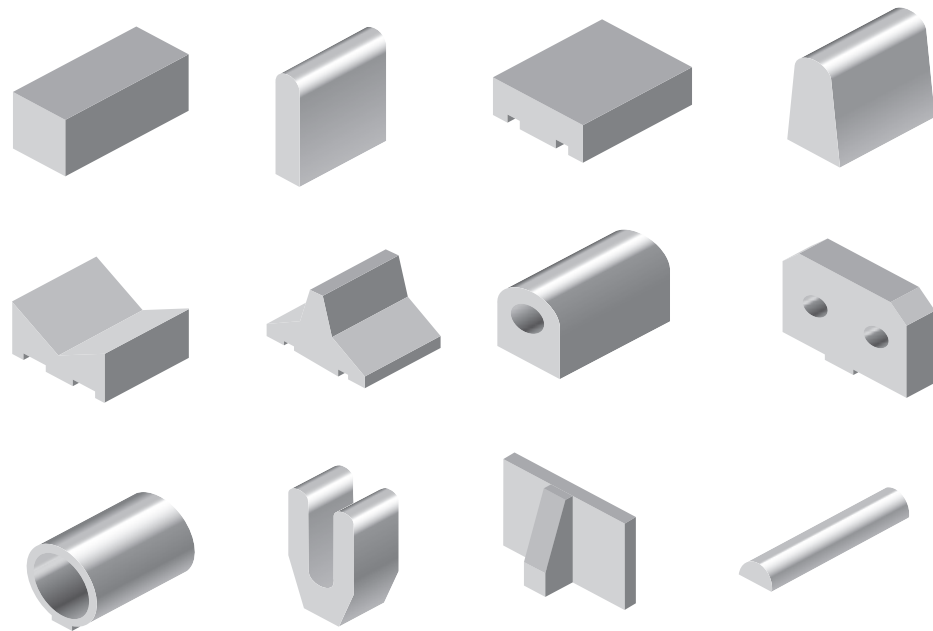


Material	Thickness in mm (approx.)	Shore A kg/m ³	Color	Abrasion resistance	Max. Temp. in °C	Thick-ness factor min.	Resistance to simple oils/grease	FDA	Examples / fields of application
Elastomer coatings									
Linatex	1.5/2.4/3.2/4.8/6.4/7.9/9.6	40	Red	Medium/high	70	25	No	No	High adhesive, sensitive parts
Linaplus	2.4/3/6	40	White	Medium/high	70	25	Plant	Yes	High adhesive, sensitive parts
Linard	3/5	60	Red	Medium/high	70	30	No	No	High adhesive, sensitive parts
Linatril	3/5/6/8	50	Orange	Medium/high	100	25	Yes	No	Taking down textile, waxy substances
FDA rubber light	1.5/2/5/10	70	White/beige	Medium	60	35	Limited	Yes	Food, transport
EPDM Heat	2/3/4/5/6/8/10	50	Black	Medium	150	30	No	No	High temperatures, metal, glass
Viton	2/3/4/5/6/8/10	75	Black	Low	250	30	Yes	No	High temperatures, metal, glass
EPDM	2/3/6	65	Black	Medium	80	30	No	No	Action of light and ozone
Elastomer light green	1	60	Light Green	Medium	100	25	Limited	No	High adhesive, sensitive parts
Elastomer green	2	70	Green	Medium	100	25	Yes	No	High adhesive, sensitive parts
Correx	4/6/8/10	35	Beige	Medium	60	30	No	No	Sheet metal, pipes, cardboard articles
RP430	2/3/4/5/6	50	Yellow	Medium	60	20	No	No	Glass, steel
Supergrip rubber	3.5	60	Black	Medium	60	40 mm	Limited	No	Cardboard articles, sensitive parts
Supergrip rubber	3.5	60	Beige	Medium	60	40 mm	Yes	No	Cardboard articles, sensitive parts, oily sheet metal
Porol NE	1/2/3/4/5/6/7/8/10	RG220	Black	Low	60	20	No	No	Press-on belts, labels, paper, cardboard
Foam rubber	1/2/3/4/5/6/7/8/10	RG350	Black	Low	60	20	No	No	Press-on belts, labels, cardboard articles
Latex foam	3	35	Gray	Low	100	30	Yes	No	Press-on belts, labels, cardboard articles
Sponge rubber	5/10/12/15/20	RG150-350	Orange	Low	60	15-25	No	No	Porcelain, soap
Other coatings									
PA fabric	0.3/0.55		Green	Medium/high	60	40 mm	No	No	Accumulation operation
PA fabric antistatic	0.65		Dark gray	Medium/high	60	40 mm	No	No	Accumulation operation, antistatic
Teflon/PTFE	0,25		Brown	Low	60	60 mm	Limited	Yes	Adhesive repellent
Felt	1-3	50	White	Medium	60	80 mm	Limited	No	Baked goods
PES beige	1.2-2.5	70	Beige	Medium	60	50 mm	No	No	Conveying sensitive parts
PES gray	2	70	Gray	Medium	60	50 mm	No	No	Conveying sensitive parts
Wool plush	3		Green	Low	100	30	No	No	Conveying sensitive parts
Chrome leather	2/3	65	Gray	High	70	30 mm	Yes	No	Conveying bricks/stones, accumulation operation
Silicon transparent	1-5	30	Transpa-rent	Low	120	20 mm	No	Yes	Adhesive repellent, non-adhesive, vacuum
Silicon blue	1-5	40	Blue	Low	120	20 mm	No	Yes	Adhesive repellent, non-adhesive, vacuum



Profiles / cleats

Many special, innovative tasks required in the material flow, such as pacing, separating or positioning, can be realized by adding profiles/cleats and entraining elements to the belts. Profiles and entraining elements are made of the same high-quality polyurethane as our timing belts, are machined as sheets or injection molded. They are available in different blends and degrees of hardness, with glass-fiber reinforcement and in matching colors. The profiles and entraining elements are homogeneously fastened to the belt by welding or bonding. In view of our production methods, the cleats can be formed into any shape.



Welding on cleats

The flexibility of the timing belt is affected when cleats are welded onto it. As a rule, the thickness of the cleat should be as low as possible. If possible, the cleat should be welded onto the belt opposite from the tooth. The distance between the cleats is optimal when a multiple of the timing belt pitch is selected. The table below shows the recommended, maximum cleat thickness in mm in relation to the selected number of teeth of the pulley. The positioning accuracy is +/- 0.3 mm for the cleat center distance.

Maximum thickness of cleat in mm when welded into position opposite from the tooth.

Type / No. of teeth	20	25	30	40	50	60	100
T5	5	6	6	8	10	11	13
T10	8	9	10	12	14	15	20
T20	12	13	16	18	20	23	30
AT3	4	5	6	8	9	10	12
AT5	5	6	6	8	10	11	13
AT10	8	10	10	12	14	15	20
AT20	12	13	15	18	20	23	30
XL	5	6	6	8	10	11	13
L	6	7	8	10	12	13	16
H	8	10	10	12	14	15	20
XH	13	14	15	18	20	23	30
HTD5	5	5	6	8	10	11	13
HTD8	6	8	9	10	12	14	15
HTD14	-	10	12	13	15	18	20

Maximum thickness of cleat in mm when welded into position opposite from the tooth space.

Type / No. of teeth	20	25	30	40	50	60	100
T5	2	2	3	4	6	8	10
T10	3	4	4	6	9	12	20
T20	5	5	6	8	12	20	30
AT3	-	2	2	3	4	6	8
AT5	2	2	3	4	6	8	10
AT10	3	4	4	6	9	12	20
AT20	5	5	6	8	12	20	30
XL	2	2	3	4	6	8	10
L	3	3	4	5	7	10	16
H	4	5	6	7	10	12	20
XH	5	5	6	8	12	20	30
HTD5	2	2	3	4	6	8	10
HTD8	3	3	4	5	6	9	12
HTD14	-	5	6	6	7	10	13

All data and tolerances are empirical values without guarantee.



KEIPER

KEIPER GmbH & Co. KG

Antriebs- und Transporttechnik
Röntgenstraße 14
D-70736 Fellbach
Phone +49 (0)711 587790
Fax +49 (0)711 589133
info@keiperband.de
www.keiperband.de

