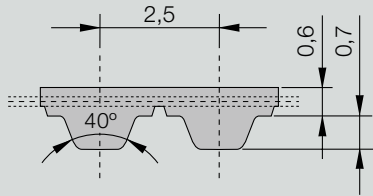
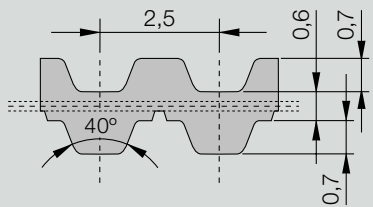


T standard Timing Belts

T 2,5 / T 2,5-DL



CONTI SYNCHROFLEX® Timing Belt (SFX) T 2,5



CONTI SYNCHROFLEX® Timing Belt (SFX) T 2,5-DL

Standard T profile according to DIN 7721 with metric pitch and trapezoidal teeth.

The technical data refer to standard polyurethane and standard steel cord tension members.

Available versions:

- single-sided (as standard)
- with Aramide tension member
- polyurethane special materials upon request
- antistatic, coloured, mechanical reworked

DL: double-sided

FA: with bigger back thickness

FN: with profiles on the back of the belt

Type / Length*	Number of teeth	Type / Length*	Number of teeth
T 2,5 / 55 FA	22	T 2,5 / 317,5 DL	127
T 2,5 / 75 FN2	30	T 2,5 / 330	132
T 2,5 / 120	48	T 2,5 / 380	152
T 2,5 / 145	58	T 2,5 / 395	158
T 2,5 / 160	64	T 2,5 / 400 FA	160
T 2,5 / 160 FA	64	T 2,5 / 415 DL	166
T 2,5 / 177,5	71	T 2,5 / 420	168
T 2,5 / 180	72	T 2,5 / 420 FN168	168
T 2,5 / 182,5	73	T 2,5 / 457,5 DL	183
T 2,5 / 200	80	T 2,5 / 480	192
T 2,5 / 210 FA	84	T 2,5 / 500	200
T 2,5 / 210 FN28	84	T 2,5 / 500 FA	200
T 2,5 / 220 FN3	88	T 2,5 / 540	216
T 2,5 / 225	90	T 2,5 / 540 FA	216
T 2,5 / 230	92	T 2,5 / 600 FA	240
T 2,5 / 230 FA	92	T 2,5 / 620	248
T 2,5 / 245	98	T 2,5 / 650	260
T 2,5 / 250	100	T 2,5 / 650 FN2	260
T 2,5 / 265	106	T 2,5 / 780	312
T 2,5 / 285	114	T 2,5 / 780 FA	312
T 2,5 / 285 FA	114	T 2,5 / 950	380
T 2,5 / 290	116	T 2,5 / 1300	520
T 2,5 / 305	122	T 2,5 / 1300 FA	520
T 2,5 / 305 FA	122	T 2,5 / 1350 FA	540
T 2,5 / 305 FN1	122	T 2,5 / 1475 FA	590
T 2,5 / 317,5	127		

Preferred belt width* in mm:
4, 6, 10

* Other dimensions upon request.

Order example

CONTI SYNCHROFLEX® Timing Belt 10 T2,5/380

Belt width in mm _____

Type/Pitch _____

Belt length in mm _____

T 2,5 / T 2,5-DL Technical data

1. Tooth shear strength (specific belt tooth strength)



R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]	R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]
0	9,03	0,359	0,000	2500	4,65	0,185	0,484
20	8,72	0,347	0,007	2600	4,60	0,183	0,499
40	8,48	0,337	0,014	2800	4,51	0,180	0,527
60	8,28	0,329	0,021	2880	4,48	0,178	0,538
80	8,10	0,322	0,027	3000	4,43	0,176	0,554
100	7,95	0,316	0,033	3200	4,36	0,173	0,581
150	7,64	0,304	0,048	3400	4,28	0,170	0,607
200	7,39	0,294	0,062	3600	4,22	0,168	0,632
300	7,01	0,279	0,088	3800	4,15	0,165	0,657
400	6,71	0,267	0,112	4000	4,09	0,163	0,682
500	6,48	0,258	0,135	4500	3,95	0,157	0,740
600	6,28	0,250	0,157	5000	3,82	0,152	0,796
700	6,11	0,243	0,178	5500	3,71	0,148	0,850
730	6,07	0,241	0,185	6000	3,60	0,143	0,901
800	5,97	0,237	0,199	6500	3,51	0,140	0,950
900	5,83	0,232	0,219	7000	3,42	0,136	0,997
1000	5,71	0,227	0,238	7500	3,33	0,133	1,042
1100	5,61	0,223	0,257	8000	3,26	0,130	1,086
1200	5,51	0,219	0,275	8500	3,18	0,127	1,128
1300	5,41	0,215	0,293	9000	3,11	0,124	1,168
1400	5,33	0,212	0,311	9500	3,05	0,121	1,207
1460	5,28	0,210	0,321	10000	2,99	0,119	1,245
1500	5,25	0,209	0,328	12000	2,77	0,110	1,384
1600	5,17	0,206	0,345	15000	2,50	0,099	1,561
1700	5,10	0,203	0,361	18000	2,28	0,091	1,708
1800	5,04	0,200	0,378	20000	2,15	0,086	1,791
1900	4,97	0,198	0,394				
2000	4,91	0,195	0,409				
2200	4,80	0,191	0,440				
2400	4,70	0,187	0,470				

Rotational speeds over 20000 rpm and/or belt speeds over 80 m/s need special drive designs. Please ask for our advice.

2. Tension member strength (permitted tensile force of the belt F_{zul}), Belt weight

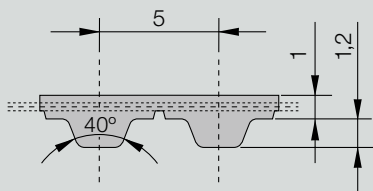
Belt width	b	[mm]	4	6	10	16	25	32
Tension member strength F _{zul}		[N]	39	65	117	195	312	403
Belt weight	T 2,5	[kg/m]	0,006	0,009	0,015	0,024	0,038	0,048
	T 2,5-DL	[kg/m]	0,006	0,009	0,016	0,025	0,040	0,051

3. Flexibility (Minimum numbers of teeth, minimum diameter)

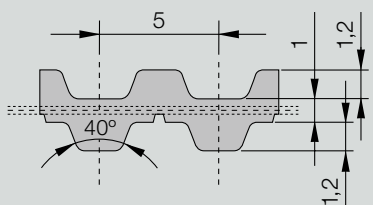
Timing pulley	Z _{min}	10		Drive type without contraflexure
Tension roller (smooth), running on teeth	d _{min} [mm]	15		
Timing pulley	Z _{min}	18		Drive type with contraflexure
Tension roller (smooth), running on the back of the belt	d _{min} [mm]	15		

T standard Timing Belts

T 5 / T 5-DL



CONTI SYNCHROFLEX® Timing Belt (SFX) T 5



CONTI SYNCHROFLEX® Timing Belt (SFX) T 5-DL

Standard T profile according to DIN 7721 with metric pitch and trapezoidal teeth.

The technical data refer to standard polyurethane and standard steel cord tension members.

Available versions:

- single-sided (as standard)
- with "E" tension member for a better flexibility
- with Aramide tension member
- polyurethane special materials upon request
- antistatic, coloured, mechanical reworked

DL: double-sided

FA: with bigger back thickness

FN: with profiles on the back of the belt

Order example

CONTI SYNCHROFLEX® Timing Belt 10 T5/455

Belt width in mm _____

Type/Pitch _____

Belt length in mm _____

Type / Length*	Number of teeth	Type / Length*	Number
T 5 / 100	20	T 5 / 590 DL	118
T 5 / 150	30	T 5 / 600 FN	120
T 5 / 150 DL	30	T 5 / 610	122
T 5 / 165	33	T 5 / 615 FN	123
T 5 / 165 FN33	33	T 5 / 620	124
<hr/>			
T 5 / 180	36	T 5 / 620 DL	124
T 5 / 185	37	T 5 / 625 DL	125
T 5 / 200	40	T 5 / 630	126
T 5 / 210	42	T 5 / 630 FA	126
T 5 / 215	43	T 5 / 650	130
<hr/>			
T 5 / 220	44	T 5 / 650 FA	130
T 5 / 225	45	T 5 / 660	132
T 5 / 225 FN90	45	T 5 / 660 FN30	132
T 5 / 245	49	T 5 / 690	138
T 5 / 250	50	T 5 / 690 FA	138
<hr/>			
T 5 / 255	51	T 5 / 690 FN3	138
T 5 / 260	52	T 5 / 700	140
T 5 / 260 DL	52	T 5 / 720	144
T 5 / 260 FN1	52	T 5 / 725	145
T 5 / 270	54	T 5 / 750	150
<hr/>			
T 5 / 280	56	T 5 / 750 DL	150
T 5 / 295	59	T 5 / 765	153
T 5 / 300 DL	60	T 5 / 780	156
T 5 / 305	61	T 5 / 800	160
T 5 / 330	66	T 5 / 800 FN2	160
<hr/>			
T 5 / 330 DL	66	T 5 / 815	163
T 5 / 340	68	T 5 / 815 DL	163
T 5 / 340 FN6	68	T 5 / 840	168
T 5 / 355	71	T 5 / 840 FN	168
T 5 / 365	73	T 5 / 860 FN1	172
<hr/>			
T 5 / 390	78	T 5 / 860 DL	172
T 5 / 390 FN1	78	T 5 / 900	180
T 5 / 400	80	T 5 / 920	184
T 5 / 410	82	T 5 / 925	185
T 5 / 410 DL	82	T 5 / 925 FN1	185
<hr/>			
T 5 / 420	84	T 5 / 940	188
T 5 / 455	91	T 5 / 940 DL	188
T 5 / 460	92	T 5 / 990	198
T 5 / 460 FN4	92	T 5 / 990 FN4	198
T 5 / 460 DL	92	T 5 / 1075	215
<hr/>			
T 5 / 480	96	T 5 / 1075 FA	215
T 5 / 500	100	T 5 / 1100	220
T 5 / 500 FN10	100	T 5 / 1100 DL	220
T 5 / 505	101	T 5 / 1100 FN22	220
T 5 / 510	102	T 5 / 1140 FN1	228
<hr/>			
T 5 / 510 FN1	102	T 5 / 1160	232
T 5 / 515 DL	103	T 5 / 1215	243
T 5 / 525	105	T 5 / 1215 FN	243
T 5 / 525 FA	105	T 5 / 1315	263
T 5 / 525 DL	105	T 5 / 1325 DL	265
<hr/>			
T 5 / 545	109	T 5 / 1350 FN1	270
T 5 / 550	110	T 5 / 1380	276
T 5 / 560	112	T 5 / 1380 FN1	276
T 5 / 575	115	T 5 / 1500	300
T 5 / 590	118		

Preferred belt width* in mm:
6, 10, 16, 25, 50

* Other dimensions upon request.

T 5 / T 5-DL Technical data

1. Tooth shear strength (specific belt tooth strength)

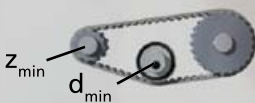

R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]	R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]
0	24,00	1,910	0,000	2000	13,69	1,089	2,28
20	23,40	1,861	0,039	2200	13,38	1,065	2,45
40	22,90	1,819	0,076	2400	13,10	1,042	2,62
60	22,40	1,783	0,112	2600	12,84	1,021	2,78
80	22,00	1,751	0,147	2800	12,59	1,002	2,94
100	21,70	1,723	0,180	3000	12,37	0,984	3,09
200	20,30	1,614	0,338	3200	12,16	0,967	3,24
300	19,30	1,536	0,483	3400	11,96	0,951	3,39
400	18,55	1,476	0,618	3600	11,77	0,936	3,53
500	17,93	1,427	0,747	3800	11,59	0,922	3,67
600	17,41	1,385	0,870	4000	11,42	0,909	3,81
700	16,96	1,349	0,989	4500	11,03	0,878	4,14
800	16,56	1,318	1,104	5000	10,68	0,850	4,45
900	16,20	1,289	1,215	5500	10,36	0,825	4,75
1000	15,88	1,263	1,323	6000	10,07	0,802	5,04
1100	15,58	1,240	1,428	6500	9,81	0,780	5,31
1200	15,31	1,218	1,531	7000	9,56	0,761	5,58
1300	15,06	1,198	1,632	7500	9,33	0,742	5,83
1400	14,83	1,180	1,730	8000	9,11	0,725	6,08
1500	14,61	1,162	1,826	8500	8,91	0,709	6,31
1600	14,40	1,146	1,920	9000	8,72	0,694	6,54
1700	14,21	1,131	2,010	9500	8,54	0,679	6,76
1800	14,03	1,116	2,100	10000	8,37	0,666	6,97
1900	13,85	1,102	2,190				

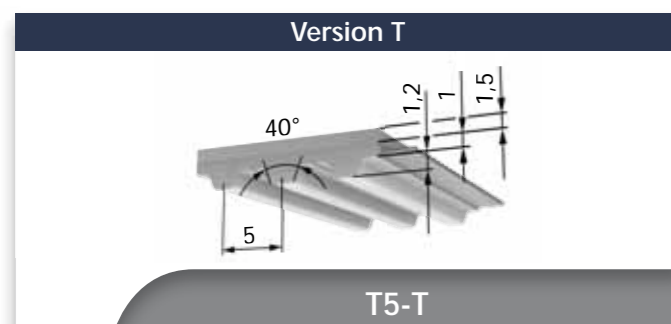
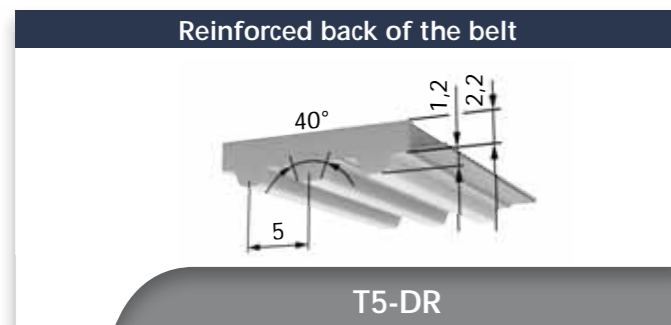
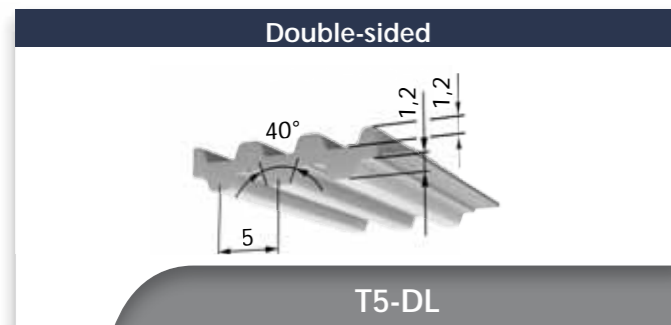
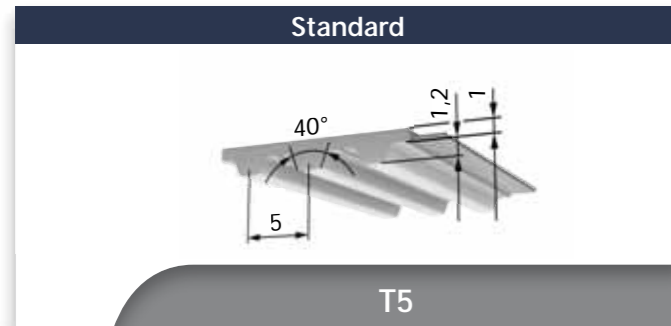
Rotational speeds over 10000 rpm and/or belt speeds over 80 m/s need special drive designs. Please ask for our advice.

2. Tension member strength (permitted tensile force of the belt F_{zul}), Belt weight

Belt width	b	[mm]	6	10	16	25	32	50	75	100
Tension member strength F _{zul}		[N]	180	330	570	930	1200	1920	2940	3930
Belt weight	T 5	[kg/m]	0,014	0,024	0,038	0,060	0,077	0,120	0,180	0,240
	T 5-DL	[kg/m]	0,016	0,027	0,043	0,067	0,086	0,135	0,203	0,270

3. Flexibility (Minimum numbers of teeth, minimum diameter)

Timing pulley	z _{min}	10		Drive type without contraflexure
Tension roller (smooth), running on teeth	d _{min} [mm]	30		
Timing pulley	z _{min}	15		Drive type with contraflexure
Tension roller (smooth), running on the back of the belt	d _{min} [mm]	30		



Belt widths b [mm] (in-between belt widths on request)							
10	16	25	32	50	75	100	

- x available, standard lengths (see table) without minimum purchase
- o minimum purchase amount on request
- not available
- 1) further materials on request

BFX T5	Available lengths and versions	
Standard lengths	see table	
Minimum purchase amount	up to 690 mm	1 sleeve (b= 100 mm)
Any number of teeth available from	720 mm up to 15000 mm	
Intermediate lengths	from 720 mm	o
StandardPlus version	720 mm up to 15000 mm	
Over 15000 mm	on request	
Standard material	up to 690 mm	TPUST3
	from 720 mm	TPUST1 ¹⁾
Steel tension member (Standard)	x	
E tension member	o	
Stainless steel tension member	o	
PAZ	x	
DL / DL-PAZ	from 900 mm	o
DR / DR-PAZ	from 900 mm	o
T / T-PAZ	o	

Standard lengths [mm] / Number of teeth					
Length	Number of teeth	Length	Number of teeth	Length	Number of teeth
200	40	560	112	1800	360
215	43	575	115	1900	380
220	44	610	122	2000	400
225	45	620	124	2120	424
240	48	630	126	2240	448
245	49	660	132	2360	472
255	51	690	138	2500	500
260	52	720	144	2650	530
270	54	750	150	2800	560
280	56	755	151	3000	600
295	59	780	156	3150	630
305	61	800	160	3350	670
330	66	815	163	3550	710
340	68	840	168	3750	750
355	71	850	170	4000	800
365	73	860	172	4250	850
370	74	900	180	4500	900
390	78	945	189	4750	950
400	80	990	198	5000	1000
410	82	1040	208	5300	1060
420	84	1075	215	5600	1120
435	87	1100	220	6000	1200
455	91	1215	243	6300	1260
480	96	1380	276	6700	1340
500	100	1400	280	7100	1420
510	102	1500	300	7500	1500
525	105	1600	320		
545	109	1700	340		

BRECOFLEX® T5 Tooth shear strength (specific belt tooth load bearing)							
R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]	R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]
0	24,00	1,910	0,000	2000	13,69	1,089	2,280
20	23,40	1,861	0,039	2200	13,38	1,065	2,450
40	22,90	1,819	0,076	2400	13,10	1,042	2,620
60	22,40	1,783	0,112	2600	12,84	1,021	2,780
80	22,00	1,751	0,147	2800	12,59	1,002	2,940
100	21,70	1,723	0,180	3000	12,37	0,984	3,090
200	20,30	1,614	0,338	3200	12,16	0,967	3,240
300	19,30	1,536	0,483	3400	11,96	0,951	3,390
400	18,55	1,476	0,618	3600	11,77	0,936	3,530
500	17,93	1,427	0,747	3800	11,59	0,922	3,670
600	17,41	1,385	0,870	4000	11,42	0,909	3,810
700	16,96	1,349	0,989	4500	11,03	0,878	4,140
800	16,56	1,318	1,104	5000	10,68	0,850	4,450
900	16,20	1,289	1,215	5500	10,36	0,825	4,750
1000	15,88	1,263	1,323	6000	10,07	0,802	5,040
1100	15,58	1,240	1,428	6500	9,81	0,780	5,310
1200	15,31	1,218	1,531	7000	9,56	0,761	5,580
1300	15,06	1,198	1,632	7500	9,33	0,742	5,830
1400	14,83	1,180	1,730	8000	9,11	0,725	6,080
1500	14,61	1,162	1,826	8500	8,91	0,709	6,310
1600	14,40	1,146	1,920	9000	8,72	0,694	6,540
1700	14,21	1,131	2,010	9500	8,54	0,679	6,760
1800	14,03	1,116	2,100	10000	8,37	0,666	6,970
1900	13,85	1,102	2,190				

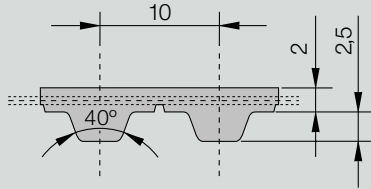
BRECOFLEX® T5 Admissible tensile force of the belt F _{adm} / Belt weight									
Belt width	b [mm]	10	16	25	32	50	75	100	
E / Steel tension member	F _{adm} [N]	330	570	930	1200	1920	2940	3930	
Stainless steel tension member	F _{adm} [N]	250	435	710	910	1460	2235	2990	
Belt weight	Standard	[kg/m]	0,022	0,034	0,052	0,067	0,105	0,163	0,210
	DL	[kg/m]	0,028	0,045	0,072	0,099	0,141	0,212	0,283
	DR	[kg/m]	0,036	0,057	0,090	0,115	0,180	0,271	0,362
	T	[kg/m]	0,041	0,065	0,101	0,130	0,203	0,304	0,405

BRECOFLEX® T5 Flexibility (minimum number of teeth / minimum diameter)														
		Steel tension member				E tension member				Stainless steel tension member				
		Stan- dard	DL	DR	T	Stan- dard	DL	DR	T	Stan- dard	DL	DR	T	
z _{min} d _{min}	Without contra- flexure	z _{min}	10	15	20*	20	10	12	-	-	18	36	20	20
	d _{min} [mm]		30	30	30	30	18	30	-	-	30	60	30	30
z _{min} d _{min}	With contra- flexure	z _{min}	15	15	20*	20	12	12	-	-	36	36	36	36
	d _{min} [mm]		30	30	60	60	18	30	-	-	60	60	60	60

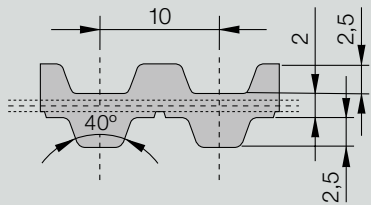
*Speed limitation

T standard Timing Belts

T 10 / T 10-DL



CONTI SYNCHROFLEX® Timing Belt (SFX) T 10



CONTI SYNCHROFLEX® Timing Belt T (SFX) 10-DL

Standard T profile according to DIN 7721 with metric pitch and trapezoidal teeth.

The technical data refer to standard polyurethane and standard steel cord tension members.

Available version

- single-sided (as standard)
- with "E" tension member for a better flexibility
- with Aramide tension member
- polyurethane special materials upon request
- antistatic, coloured, mechanical reworked

DL: double-sided

FA: with bigger back thickness

FN: with profiles on the back of the belt

Order example

CONTI SYNCHROFLEX® Timing Belt 16 T10/260

Belt width in mm _____
 Type/Pitch _____
 Belt length in mm _____

Type / Length*	Number of teeth	Type / Length*	Number of teeth
T 10 / 260	26	T 10 / 980	98
T 10 / 260 DL	26	T 10 / 980 DL	98
T 10 / 350	35	T 10 / 1010	101
T 10 / 370	37	T 10 / 1080	108
T 10 / 400	40	T 10 / 1110	111
T 10 / 410	41	T 10 / 1140	114
T 10 / 410 FA	41	T 10 / 1150	115
T 10 / 420 FN21	42	T 10 / 1210	121
T 10 / 440	44	T 10 / 1210 DL	121
T 10 / 450	45	T 10 / 1240	124
T 10 / 500	50	T 10 / 1240 DL	124
T 10 / 500 FN	50	T 10 / 1250	125
T 10 / 530	53	T 10 / 1250 DL	125
T 10 / 530 DL	53	T 10 / 1300	130
T 10 / 560	56	T 10 / 1320	132
T 10 / 600	60	T 10 / 1320 DL	132
T 10 / 610	61	T 10 / 1350	135
T 10 / 630	63	T 10 / 1350 DL	135
T 10 / 630 DL	63	T 10 / 1390	139
T 10 / 660	66	T 10 / 1400	140
T 10 / 660 DL	66	T 10 / 1420	142
T 10 / 680	68	T 10 / 1420 DL	142
T 10 / 690	69	T 10 / 1450	145
T 10 / 700	70	T 10 / 1460	146
T 10 / 720	72	T 10 / 1460 FN146	146
T 10 / 720 DL	72	T 10 / 1500	150
T 10 / 730	73	T 10 / 1560	156
T 10 / 750	75	T 10 / 1610	161
T 10 / 760	76	T 10 / 1610 DL	161
T 10 / 780	78	T 10 / 1750	175
T 10 / 780 FN78	78	T 10 / 1780	178
T 10 / 800 FN80	80	T 10 / 1800 FN12	180
T 10 / 810	81	T 10 / 1880	188
T 10 / 840	84	T 10 / 1880 DL	188
T 10 / 840 DL	84	T 10 / 1960	196
T 10 / 840 FN84	84	T 10 / 2250	225
T 10 / 850	85	T 10 / 3100	310
T 10 / 880	88	T 10 / 4780	478
T 10 / 890	89	T 10 / 4780 DL**	478
T 10 / 920	92		
T 10 / 960	96		
T 10 / 970	97		
T 10 / 970 FN97	97		

Preferred belt width* in mm:
 16, 25, 32, 50

* Other dimensions upon request.
 ** Please request technical support from your Mulco sales partner.

T 10 / T 10-DL Technical data

1. Tooth shear strength (specific belt tooth strength)

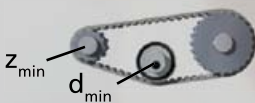

R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]	R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]
0	50,5	8,04	0,000	2000	25,40	4,04	8,46
20	49,0	7,80	0,163	2200	24,60	3,92	9,03
40	47,7	7,60	0,318	2400	23,90	3,81	9,58
60	46,6	7,42	0,466	2600	23,30	3,71	10,10
80	45,7	7,27	0,609	2800	22,70	3,62	10,60
100	44,8	7,13	0,746	3000	22,20	3,53	11,08
200	41,4	6,60	1,381	3200	21,70	3,45	11,55
300	39,1	6,22	1,953	3400	21,20	3,36	11,99
400	37,2	5,92	2,480	3600	20,70	3,30	12,42
500	35,7	5,68	2,980	3800	20,30	3,23	12,84
600	34,4	5,48	3,440	4000	19,86	3,16	13,24
700	33,3	5,31	3,890	4500	18,91	3,01	14,18
800	32,4	5,15	4,320	5000	18,06	2,87	15,05
900	31,5	5,01	4,730	5500	17,28	2,75	15,84
1000	30,7	4,89	5,120	6000	16,58	2,64	16,58
1100	30,0	4,77	5,500	6500	15,93	2,54	17,26
1200	29,3	4,67	5,870	7000	15,33	2,44	17,88
1300	28,7	4,57	6,220	7500	14,76	2,35	18,46
1400	28,2	4,48	6,570	8000	14,24	2,27	18,99
1500	27,6	4,40	6,910	8500	13,74	2,18	19,47
1600	27,1	4,32	7,230	9000	13,28	2,11	19,92
1700	26,7	4,24	7,550	9500	12,84	2,04	20,30
1800	26,2	4,17	7,860	10000	12,42	1,97	20,70
1900	25,8	4,10	8,160				

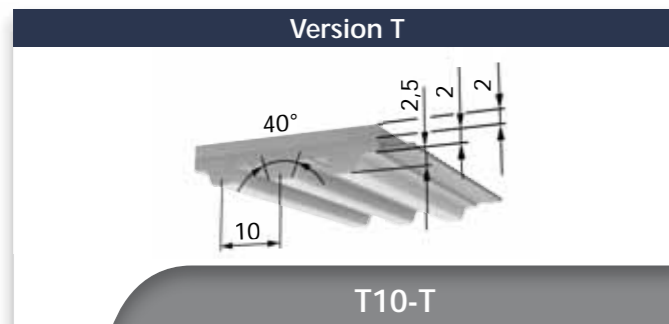
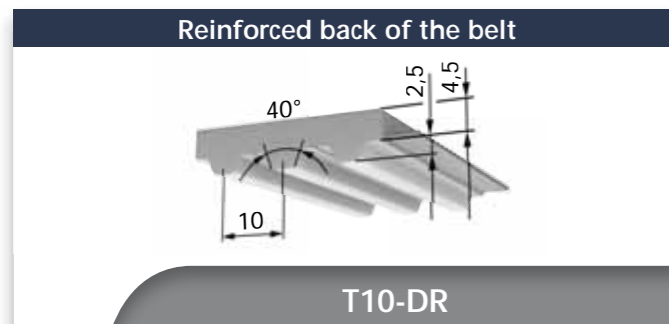
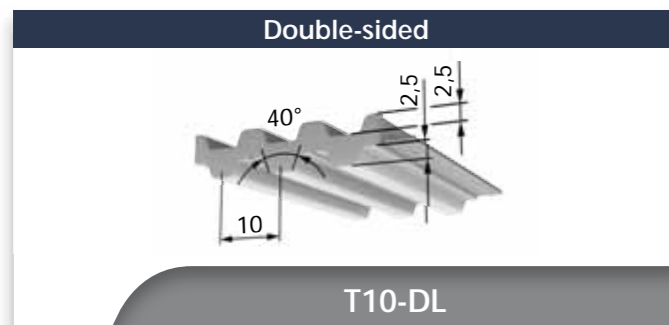
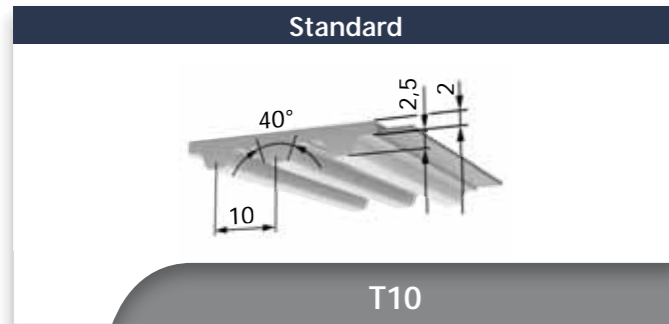
Rotational speeds over 10000 rpm and/or belt speeds over 60 m/s need special drive designs. Please ask for our advice.

2. Tension member strength (permitted tensile force of the belt F_{zul}), Belt weight

Belt width	b	[mm]	16	25	32	50	75	100	150
Tension member strength F _{zul}		[N]	1200	2000	2700	4300	6600	8800	13400
Belt weight	T 10	[kg/m]	0,077	0,120	0,154	0,240	0,360	0,480	0,720
	T 10-DL	[kg/m]	0,091	0,143	0,182	0,285	0,428	0,570	0,855

3. Flexibility (Minimum numbers of teeth, minimum diameter)

Timing pulley	z _{min}	12		Drive type without contraflexure
Tension roller (smooth), running on teeth	d _{min} [mm]	60		
Timing pulley	z _{min}	20		Drive type with contraflexure
Tension roller (smooth), running on the back of the belt	d _{min} [mm]	60		



Belt widths b [mm] (in-between belt widths on request)					
16	25	32	50	75	100

BFX T10	Available lengths and versions	
Standard lengths	see table	
Minimum purchase amount	up to 700 mm	1 sleeve (b= 100 mm)
Any number of teeth available from	720 mm up to 22000 mm	
Intermediate lengths	from 720 mm	o
StandardPlus version	720 mm up to 22000 mm	
Over 22000 mm	on request	
Standard material	up to 700 mm	TPUST3
	from 720 mm	TPUST1 ¹⁾
Steel tension member (Standard)	x	
E tension member	o	
Stainless steel tension member	o	
PAZ	x	
DL / DL-PAZ	from 900 mm	o
DR / DR-PAZ	from 900 mm	o
T / T-PAZ	o	

Standard lengths [mm] / Number of teeth					
Length	Number of teeth	Length	Number of teeth	Length	Number of teeth
500	50	1080	108	2650	265
530	53	1150	115	2800	280
560	56	1210	121	3000	300
600	60	1240	124	3100	310
610	61	1250	125	3150	315
630	63	1320	132	3350	335
660	66	1350	135	3750	375
690	69	1390	139	4000	400
700	70	1400	140	4250	425
720	72	1420	142	4500	450
780	78	1460	146	4750	475
810	81	1500	150	5000	500
840	84	1560	156	5300	530
880	88	1610	161	5600	560
890	89	1750	175	6000	600
920	92	1780	178	6300	630
960	96	1880	188	6700	670
970	97	1960	196	7100	710
980	98	2250	225	7500	750
990	99	2360	236	8000	800
1010	101	2500	250	9000	900

- x available, standard lengths (see table) without minimum purchase
- o minimum purchase amount on request
- not available
- 1) further materials on request

BRECOFLEX® T10 Tooth shear strength (specific belt tooth load bearing)							
R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]	R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]
0	50,50	8,040	0,000	2000	25,40	4,040	8,460
20	49,00	7,800	0,163	2200	24,60	3,920	9,030
40	47,70	7,600	0,318	2400	23,90	3,810	9,580
60	46,60	7,420	0,466	2600	23,30	3,710	10,100
80	45,70	7,270	0,609	2800	22,70	3,620	10,600
100	44,80	7,130	0,746	3000	22,20	3,530	11,080
200	41,40	6,600	1,381	3200	21,70	3,450	11,550
300	39,10	6,220	1,953	3400	21,20	3,360	11,990
400	37,20	5,920	2,480	3600	20,70	3,300	12,420
500	35,70	5,680	2,980	3800	20,30	3,230	12,840
600	34,40	5,480	3,440	4000	19,86	3,160	13,240
700	33,30	5,310	3,890	4500	18,91	3,010	14,180
800	32,40	5,150	4,320	5000	18,06	2,870	15,050
900	31,50	5,010	4,730	5500	17,28	2,750	15,840
1000	30,70	4,890	5,120	6000	16,58	2,640	16,580
1100	30,00	4,770	5,500	6500	15,93	2,540	17,260
1200	29,30	4,670	5,870	7000	15,33	2,440	17,880
1300	28,70	4,570	6,220	7500	14,76	2,350	18,460
1400	28,20	4,480	6,570	8000	14,24	2,270	18,990
1500	27,60	4,400	6,910	8500	13,74	2,180	19,470
1600	27,10	4,320	7,230	9000	13,28	2,110	19,920
1700	26,70	4,240	7,550	9500	12,84	2,040	20,300
1800	26,20	4,170	7,860	10000	12,42	1,976	20,700
1900	25,80	4,100	8,160				

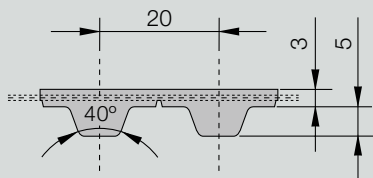
BRECOFLEX® T10 Admissible tensile force of the belt F _{adm} / Belt weight								
Belt width	b [mm]	16	25	32	50	75	100	
E / Steel tension member	F _{adm} [N]	1000	1800	2300	3800	5800	7800	
Stainless steel tension member	F _{adm} [N]	800	1440	1840	3040	4640	6240	
Belt weight	Standard	[kg/m]	0,068	0,14	0,145	0,227	0,341	0,454
	DL	[kg/m]	0,090	0,143	0,183	0,228	0,432	0,577
	DR	[kg/m]	0,119	0,185	0,237	0,372	0,558	0,795
	T	[kg/m]	0,107	0,170	0,217	0,342	0,513	0,685

BRECOFLEX® T10 Flexibility (minimum number of teeth / minimum diameter)														
		Steel tension member				E tension member				Stainless steel tension member				
		Standard	DL	DR	T	Standard	DL	DR	T	Standard	DL	DR	T	
z _{min} d _{min}	Without contra-flexure	z _{min}	12	20	20	20*	10	15	20	20	25	40	25	25
	d _{min} [mm]		60	60	60	60	50	50	60	60	80	130	80	80
z _{min} d _{min}	With contra-flexure	z _{min}	20	20	20	20	15	15	20	20	40	40	40	40
	d _{min} [mm]		60	60	80	80	50	50	80	80	130	130	130	130

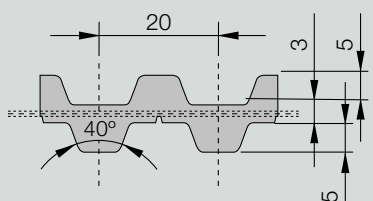
*Speed limitation

T standard Timing Belts

T 20 / T 20-DL



CONTI SYNCHROFLEX® Timing Belt (SFX) T 20



CONTI SYNCHROFLEX® Timing Belt (SFX) T 20-DL

Standard T profile according to DIN 7721 with metric pitch and trapezoidal teeth.

The technical data refer to standard polyurethane and standard steel cord tension members.

Available versions:

- single-sided (as standard)
- with “E” tension member for a better flexibility
- with Aramide tension member (except DL)
- polyurethane special materials upon request
- antistatic, coloured, mechanical reworked

DL: double-sided

Type / Length*	Number of teeth
T 20 / 1260	63
T 20 / 1460	73
T 20 / 1780	89
T 20 / 1880	94
T 20 / 2600	130

Type / Length*	Number of teeth
T 20 / 2600 DL**	130
T 20 / 3100	155
T 20 / 3620	181
T 20 / 3620 DL**	181

Preferred belt width* in mm:
32, 50, 75, 100

* Other dimensions upon request.
** In combination with reduced pulley gap please ask for technical support from your Mulco sales partner.

Order example

CONTI SYNCHROFLEX® Timing Belt 50 T20/2600

Belt width in mm _____

Type/Pitch _____

Belt length in mm _____

T 20 / T 20-DL Technical data

1. Tooth shear strength (specific belt tooth strength)

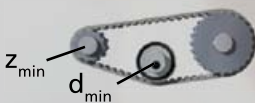

R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]	R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]
0	101,5	32,30	0,000	2000	45,3	14,42	30,2
20	98,1	31,20	0,654	2200	43,6	13,89	32,0
40	95,3	30,30	1,271	2400	42,1	13,40	33,7
60	92,8	29,50	1,856	2600	40,7	12,95	35,2
80	90,7	28,90	2,420	2800	39,4	12,53	36,7
100	88,7	28,20	2,960	3000	38,1	12,13	38,1
200	81,2	25,90	5,420	3200	37,0	11,77	39,4
300	75,9	24,20	7,590	3400	35,9	11,42	40,7
400	71,8	22,90	9,570	3600	34,9	11,09	41,8
500	68,4	21,80	11,410	3800	33,9	10,78	42,9
600	65,6	20,90	13,110	4000	33,0	10,49	43,9
700	63,1	20,10	14,730	4500	30,8	9,81	46,2
800	60,9	19,40	16,250	5000	28,9	9,21	48,2
900	59,0	18,78	17,700	5500	27,2	8,66	49,9
1000	57,2	18,22	19,080	6000	25,6	8,16	51,2
1100	55,6	17,71	20,400	6500	24,2	7,69	52,4
1200	54,2	17,24	21,700				
1300	52,8	16,80	22,900				
1400	51,5	16,40	24,000				
1500	50,3	16,02	25,200				
1600	49,2	15,66	26,200				
1700	48,2	15,33	27,300				
1800	47,2	15,01	28,300				
1900	46,2	14,71	29,300				

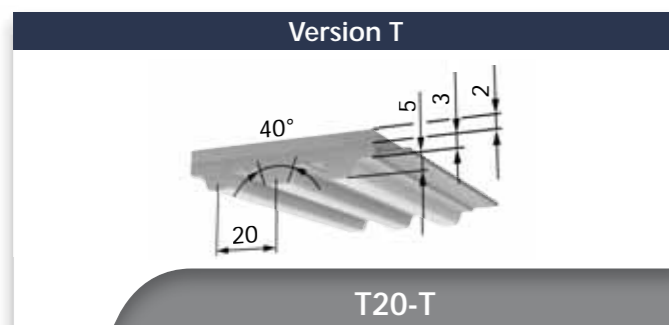
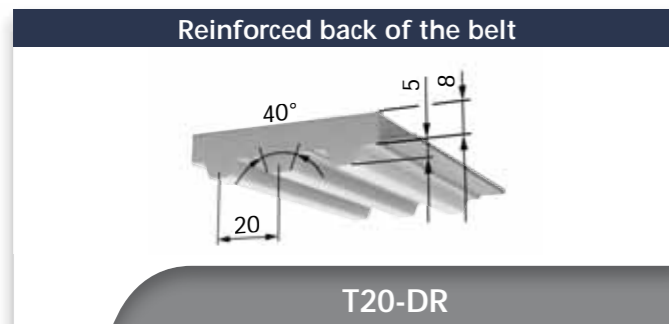
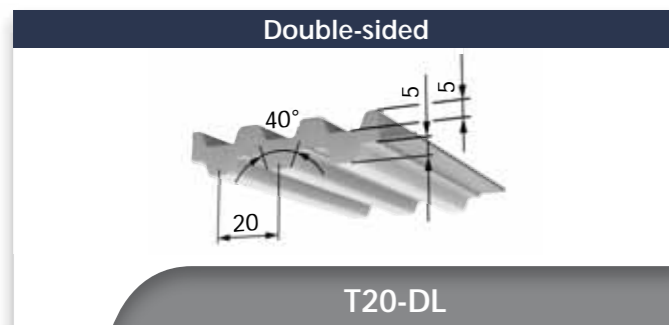
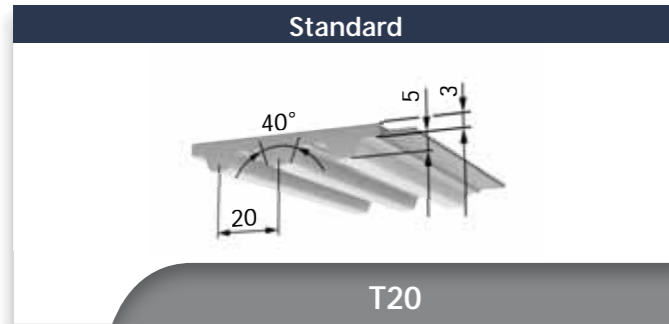
Rotational speeds over 6500 rpm and/or belt speeds over 40 m/s need special drive designs. Please ask for our advice.

2. Tension member strength (permitted tensile force of the belt F_{zul}), Belt weight

Belt width	b	[mm]	32	50	75	100	150
Tension member strength F _{zul}		[N]	4750	7750	12000	16000	24500
Belt weight	T 20	[kg/m]	0,269	0,420	0,630	0,840	1,260
	T 20-DL	[kg/m]	0,355	0,555	0,833	1,110	1,665

3. Flexibility (Minimum numbers of teeth, minimum diameter)

Timing pulley	Z _{min}	15		Drive type without contraflexure
Tension roller (smooth), running on teeth	d _{min} [mm]	120		
Timing pulley	Z _{min}	25		Drive type with contraflexure
Tension roller (smooth), running on the back of the belt	d _{min} [mm]	120		



Belt widths b [mm] (in-between belt widths on request)				
32	50	75	100	150

BFX T20		Available lengths and versions	
Standard lengths		see table on the right	
Any number of teeth available from		1100 mm up to 22000 mm	
Width b=150 mm		1500 mm up to 15000 mm	
Intermediate lengths		from 1100 mm	o
StandardPlus version		1500 mm up to 22000 mm	
Over 22000 mm		on request	
Standard material		TPUST1 ¹⁾	
Steel tension member (Standard)		x	
E tension member		o	
Stainless steel tension member		o	
PAZ		x	
DL / DL-PAZ	b _{max} = 100 mm	from 1100 mm	o
DR / DR-PAZ	b _{max} = 100 mm	from 1100 mm	o
T / T-PAZ	b _{max} = 100 mm	o	

Standard lengths [mm] / Number of teeth					
Length	Number of teeth	Length	Number of teeth	Length	Number of teeth
1500	75	2800	140	5300	265
1600	80	3000	150	5600	280
1700	85	3160	158	6000	300
1800	90	3360	168	6300	315
1900	95	3560	178	6700	335
2000	100	3760	188	7100	355
2120	106	4000	200	7500	375
2240	12	4260	213	8000	400
2360	118	4500	225	8500	425
2500	125	4760	238	9000	450
2660	133	5000	250		

- x available, standard lengths (see table) without minimum purchase
- o minimum purchase amount on request
- not available
- 1) further materials on request

BRECOFLEX® T20 Tooth shear strength (specific belt tooth load bearing)							
R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]	R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]
0	101,50	32,30	0,000	1600	49,20	15,66	26,200
20	98,10	31,20	0,654	1700	48,20	15,33	27,300
40	95,30	30,30	1,271	1800	47,20	15,01	28,300
60	92,80	29,50	1,856	1900	46,20	14,71	29,300
80	90,70	28,90	2,420	2000	45,30	14,42	30,200
100	88,70	28,20	2,960	2200	43,60	13,89	32,000
200	81,20	25,90	5,420	2400	42,10	13,40	33,700
300	75,90	24,20	7,590	2600	40,70	12,95	35,200
400	71,80	22,90	9,570	2800	39,40	12,53	36,700
500	68,40	21,80	11,410	3000	38,10	12,13	38,100
600	65,60	20,90	13,110	3200	37,00	11,77	39,400
700	63,10	20,10	14,730	3400	35,90	11,42	40,700
800	60,90	19,40	16,250	3600	34,90	11,09	41,800
900	59,00	18,78	17,700	3800	33,90	10,78	42,900
1000	57,20	18,22	19,080	4000	33,00	10,49	43,900
1100	55,60	17,71	20,400	4500	30,80	9,81	46,200
1200	54,20	17,24	21,700	5000	28,90	9,21	48,200
1300	52,80	16,80	22,900	5500	27,20	8,66	49,900
1400	51,50	16,40	24,000	6000	25,60	8,16	51,200
1500	50,30	16,02	25,200	6500	24,20	7,69	52,400

BRECOFLEX® T20 Admissible tensile force of the belt F _{adm} / Belt weight							
Belt width	b [mm]	32	50	75	100	150	
E / Steel tension member	F _{adm} [N]	4750	7750	12000	16000	24500	
Stainless steel tension member	F _{adm} [N]	3420	5580	8640	11520	17640	
Belt weight	Standard	[kg/m]	0,236	0,368	0,552	0,736	1,095
	DL	[kg/m]	0,319	0,499	0,753	1,004	-
	DR	[kg/m]	0,430	0,675	1,016	1,354	-
	T	[kg/m]	0,315	0,495	0,746	0,994	-

BRECOFLEX® T20 Flexibility (minimum number of teeth / minimum diameter)														
		Steel tension member				E tension member				Stainless steel tension member				
		Standard	DL	DR	T	Standard	DL	DR	T	Standard	DL	DR	T	
z _{min} d _{min}	Without contraflexure	z _{min}	15	25	25	25	12	25	25	25	20	30	25	25
		d _{min} [mm]	120	120	150	120	100	120	150	120	130	180	150	130
z _{min} d _{min}	With contraflexure	z _{min}	25	25	25	25	22	25	25	25	30	30	30	30
		d _{min} [mm]	120	120	180	120	120	120	180	120	180	180	180	180