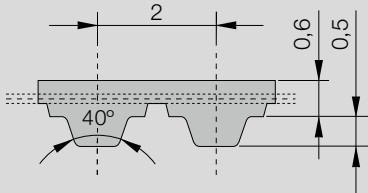


# T standard Timing Belts

## T 2



CONTI® SYNCHROFLEX Timing Belt (SFX) T 2

Standard T profile with metric pitch and trapezoidal teeth.

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

**Available versions:**

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

**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	/	68	34	T 2	/	220 FN2	110
T 2	/	90	45	T 2	/	240	120
T 2	/	108	54	T 2	/	256	128
T 2	/	118	59	T 2	/	262	131
T 2	/	120	60	T 2	/	280	140
T 2	/	120 FA	60	T 2	/	292	146
T 2	/	138	69	T 2	/	320	160
T 2	/	140	70	T 2	/	360	180
T 2	/	144	72	T 2	/	600	300
T 2	/	150	75	T 2	/	710	355
T 2	/	160	80	T 2	/	710 FA	355
T 2	/	180	90				
T 2	/	200	100				
T 2	/	220	110				
T 2	/	220 FA	110				

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

\* Other dimensions upon request.

**Order example**

CONTI® SYNCHROFLEX Timing Belt 6 T2/240

Belt width in mm \_\_\_\_\_  
 Type/Pitch \_\_\_\_\_  
 Belt length in mm \_\_\_\_\_

## T 2 Technical data

### 1. Tooth shear strength (specific belt tooth strength)

R.p.m. n [min <sup>-1</sup> ]	F <sub>Uspec</sub> [N/cm]	M <sub>spec</sub> [Ncm/cm]	P <sub>spec</sub> [W/cm]
0	6,58	0,209	0,000
20	6,36	0,202	0,004
40	6,18	0,197	0,008
60	6,03	0,192	0,012
80	5,90	0,188	0,016
100	5,79	0,184	0,019
150	5,56	0,177	0,028
200	5,38	0,171	0,036
300	5,10	0,162	0,051
400	4,89	0,156	0,065
500	4,72	0,150	0,079
600	4,58	0,146	0,092
700	4,45	0,142	0,104
730	4,42	0,141	0,108
800	4,35	0,138	0,116
900	4,25	0,135	0,127
1000	4,16	0,132	0,139
1100	4,08	0,130	0,150
1200	4,01	0,128	0,160
1300	3,94	0,125	0,171
1400	3,88	0,124	0,181
1460	3,85	0,123	0,187
1500	3,82	0,122	0,191
1600	3,77	0,120	0,201
1700	3,72	0,118	0,211
1800	3,67	0,117	0,220
1900	3,62	0,115	0,229
2000	3,58	0,114	0,239
2200	3,50	0,111	0,257

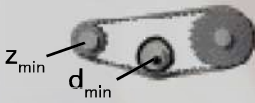

R.p.m. n [min <sup>-1</sup> ]	F <sub>Uspec</sub> [N/cm]	M <sub>spec</sub> [Ncm/cm]	P <sub>spec</sub> [W/cm]
2400	3,42	0,109	0,274
2500	3,39	0,108	0,282
2600	3,35	0,107	0,290
2800	3,29	0,105	0,307
2880	3,26	0,104	0,313
3000	3,23	0,103	0,323
3200	3,17	0,101	0,338
3400	3,12	0,099	0,354
3600	3,07	0,098	0,368
3800	3,02	0,096	0,383
4000	2,98	0,095	0,397
4500	2,88	0,092	0,432
5000	2,78	0,088	0,463
5500	2,70	0,086	0,495
6000	2,63	0,084	0,526
6500	2,56	0,081	0,555
7000	2,49	0,079	0,581
7500	2,43	0,077	0,607
8000	2,37	0,075	0,632
8500	2,32	0,074	0,657
9000	2,27	0,072	0,681
9500	2,22	0,071	0,703
10000	2,18	0,069	0,727
12000	2,02	0,064	0,808
15000	1,82	0,058	0,910
18000	1,66	0,053	0,996
20000	1,57	0,050	1,047

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<sub>zul</sub>), Belt weight

Belt width	b	[mm]	4	6	10	16	25	32
Tension member strength F <sub>zul</sub>		[N]	39	65	117	195	312	403
Belt weight	T 2	[kg/m]	0,004	0,007	0,011	0,018	0,028	0,035

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

Timing pulley	z <sub>min</sub>	10		Drive type without contraflexure
Tension roller (smooth), running on teeth	d <sub>min</sub> [mm]	15		
Timing pulley	z <sub>min</sub>	18		Drive type with contraflexure
Tension roller (smooth), running on the back of the belt	d <sub>min</sub> [mm]	15		