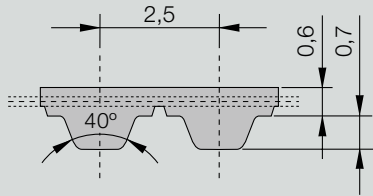
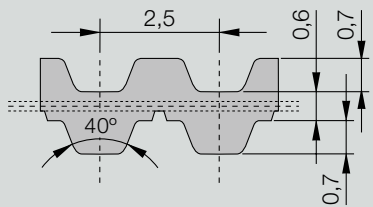


# T standard Timing Belts

## 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)

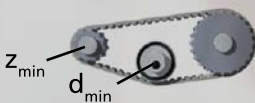

R.p.m. n [min <sup>-1</sup> ]	F <sub>Uspec</sub> [N/cm]	M <sub>spec</sub> [Ncm/cm]	P <sub>spec</sub> [W/cm]	R.p.m. n [min <sup>-1</sup> ]	F <sub>Uspec</sub> [N/cm]	M <sub>spec</sub> [Ncm/cm]	P <sub>spec</sub> [W/cm]
0	9,03	0,359	0,000	2500	4,65	0,185	0,484
20	8,72	0,347	0,007	2600	4,60	0,183	0,499
40	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<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 2,5	[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 <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		