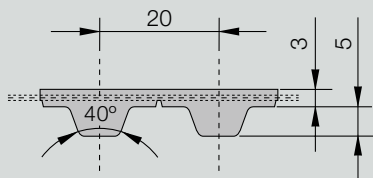
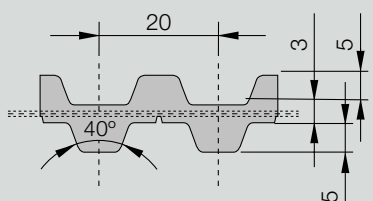


# T standard Timing Belts

## 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

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

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

\* 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)

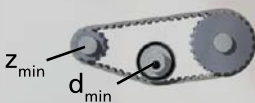

R.p.m. n [min <sup>-1</sup> ]	F <sub>Uspec</sub> [N/cm]	M <sub>spec</sub> [Ncm/cm]	P <sub>spec</sub> [W/cm]	R.p.m. n [min <sup>-1</sup> ]	F <sub>Uspec</sub> [N/cm]	M <sub>spec</sub> [Ncm/cm]	P <sub>spec</sub> [W/cm]
0	101,5	32,30	0,000	2000	45,3	14,42	30,2
20	98,1	31,20	0,654	2200	43,6	13,89	32,0
40	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<sub>zul</sub>), Belt weight

Belt width	b	[mm]	32	50	75	100	150
Tension member strength F <sub>zul</sub>		[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 <sub>min</sub>	15		Drive type without contraflexure
Tension roller (smooth), running on teeth	d <sub>min</sub> [mm]	120		
Timing pulley	Z <sub>min</sub>	25		Drive type with contraflexure
Tension roller (smooth), running on the back of the belt	d <sub>min</sub> [mm]	120		