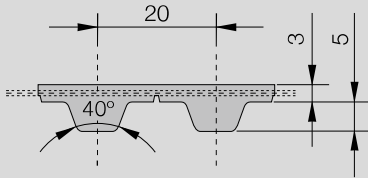
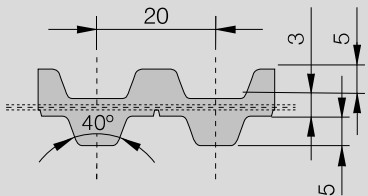


T standard Timing Belts

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	Type	Length*	Number of teeth
T 20	1260	63	T 20	2600 DL**	130
T 20	1460	73	T 20	3100	155
T 20	1780	89	T 20	3620	181
T 20	1880	94	T 20	3620 DL**	181
T 20	2600	130			

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]
0	101,5	32,30	0,000
20	98,1	31,20	0,654
40	95,3	30,30	1,271
60	92,8	29,50	1,856
80	90,7	28,90	2,420
100	88,7	28,20	2,960
200	81,2	25,90	5,420
300	75,9	24,20	7,590
400	71,8	22,90	9,570
500	68,4	21,80	11,410
600	65,6	20,90	13,110
700	63,1	20,10	14,730
800	60,9	19,40	16,250
900	59,0	18,78	17,700
1000	57,2	18,22	19,080
1100	55,6	17,71	20,400
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



R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]
2000	45,3	14,42	30,2
2200	43,6	13,89	32,0
2400	42,1	13,40	33,7
2600	40,7	12,95	35,2
2800	39,4	12,53	36,7
3000	38,1	12,13	38,1
3200	37,0	11,77	39,4
3400	35,9	11,42	40,7
3600	34,9	11,09	41,8
3800	33,9	10,78	42,9
4000	33,0	10,49	43,9
4500	30,8	9,81	46,2
5000	28,9	9,21	48,2
5500	27,2	8,66	49,9
6000	25,6	8,16	51,2
6500	24,2	7,69	52,4

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		