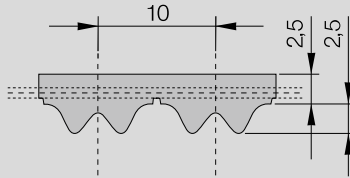


ATP high performance Timing Belts

ATP 10



CONTI® SYNCHROFLEX Timing Belt (SFX) ATP 10

High performance ATP profile with metric pitch and optimised meshing of the double engagement toothform.

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

Available versions:

- single-sided
- with “E” tension member for a better flexibility
- with reinforced tension member design
- polyurethane special materials upon request (Standard: 93ShA, colour: red)
- antistatic, coloured, mechanical reworked

Type / Length*	Number of teeth	Type / Length*	Number of teeth
ATP 10 / 630	63	ATP 10 / 1280	128
ATP 10 / 660	66	ATP 10 / 1400	140
ATP 10 / 700	70	ATP 10 / 1650	165
ATP 10 / 780	78	ATP 10 / 1800	180
ATP 10 / 840	84		
ATP 10 / 890	89		
ATP 10 / 920	92		
ATP 10 / 1010	101		
ATP 10 / 1080	108		
ATP 10 / 1150	115		

Preferred belt width* in mm:
16, 25, 32, 50, 75, 100

* Other dimensions upon request.

Order example

CONTI® SYNCHROFLEX Timing Belt 32 ATP10/780

Belt width in mm _____

Type/Pitch _____

Belt length in mm _____

ATP 10 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	95,500	15,199	0,000
20	94,098	14,976	0,314
40	92,785	14,767	0,619
60	91,551	14,571	0,915
80	90,385	14,385	1,205
100	89,282	14,210	1,488
150	86,756	13,808	2,169
200	84,505	13,449	2,817
300	80,642	12,835	4,032
400	77,357	12,312	5,157
500	74,535	11,863	6,211
600	72,052	11,467	7,205
700	69,834	11,114	8,147
730	69,212	11,015	8,420
800	67,831	10,796	9,043
900	66,004	10,505	9,900
1000	64,325	10,238	10,720
1100	62,772	9,990	11,507
1200	61,328	9,761	12,265
1300	59,977	9,546	12,994
1400	58,709	9,344	13,698
1460	57,984	9,228	14,108
1500	57,514	9,154	14,377
1600	56,348	8,968	15,025
1700	55,313	8,803	15,671
1800	54,294	8,641	16,287
1900	53,323	8,487	16,884

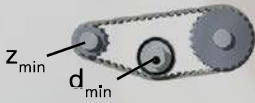

R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]
2000	52,396	8,339	17,464
2200	50,656	8,062	18,572
2400	49,052	7,807	19,619
2600	47,562	7,570	20,609
2800	46,173	7,349	21,546
2880	45,642	7,264	21,907
3000	44,871	7,141	22,434
3200	43,645	6,946	23,276
3400	42,488	6,762	24,075
3600	41,393	6,588	24,834
3800	40,352	6,422	25,554
4000	39,361	6,264	26,239
4500	37,073	5,900	27,803
5000	35,012	5,572	29,175
5500	33,138	5,274	30,374
6000	31,419	5,000	31,417
6500	29,832	4,748	32,316
7000	28,358	4,513	33,082
7500	26,981	4,294	33,724
8000	25,691	4,089	34,252
8500	24,475	3,895	34,670
9000	23,328	3,713	34,989
9500	22,240	3,540	35,211
10000	21,207	3,375	35,342

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]	2000	3500	4750	7750	12000	16000	24500
Belt weight	ATP 10	[kg/m]	0,096	0,150	0,192	0,300	0,450	0,600	0,900

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]	50		
Timing pulley	z _{min}	25		Drive type with contraflexure
Tension roller (smooth), running on the back of the belt	d _{min} [mm]	120		