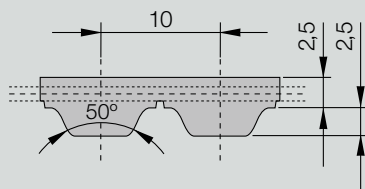


AT high performance Timing Belts

AT 10



CONTI® SYNCHROFLEX Timing Belt (SFX) AT 10

High performance AT 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 "E" tension member for a better flexibility
- with reinforced design
- with Aramide tension member
- polyurethane special materials upon request
- antistatic, coloured, mechanical reworked

FN: with profiles on the back of the belt

Type / Length*	Number of teeth	Type / Length*	Number of teeth
AT 10 / 440	44	AT 10 / 1150	115
AT 10 / 460	46	AT 10 / 1200	120
AT 10 / 500	50	AT 10 / 1210	121
AT 10 / 560	56	AT 10 / 1250	125
AT 10 / 570	57	AT 10 / 1280	128
AT 10 / 580	58	AT 10 / 1300	130
AT 10 / 600	60	AT 10 / 1320	132
AT 10 / 610	61	AT 10 / 1350	135
AT 10 / 660	66	AT 10 / 1360	136
AT 10 / 700	70	AT 10 / 1360 FN2	136
AT 10 / 730	73	AT 10 / 1400	140
AT 10 / 780	78	AT 10 / 1480	148
AT 10 / 800	80	AT 10 / 1500	150
AT 10 / 840	84	AT 10 / 1600	160
AT 10 / 840 FN2	84	AT 10 / 1700	170
AT 10 / 880	88	AT 10 / 1720	172
AT 10 / 890	89	AT 10 / 1800	180
AT 10 / 920	92	AT 10 / 1860	186
AT 10 / 960	96	AT 10 / 1940	194
AT 10 / 980	98	AT 10 / 2910 FN2	291
AT 10 / 1000	100		
AT 10 / 1010	101		
AT 10 / 1050	105		
AT 10 / 1080	108		
AT 10 / 1100	110		

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

* Other dimensions upon request.

Order example

CONTI® SYNCHROFLEX Timing Belt 32 AT10/800

Belt width in mm _____

Type/Pitch _____

Belt length in mm _____

AT 10 Technical data

1. Tooth shear strength (specific belt tooth strength)

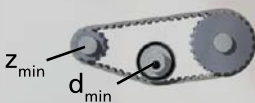

R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]	R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]
0	73,5	11,70	0,000	2000	40,30	6,42	13,44
20	72,4	11,53	0,241	2200	39,00	6,20	14,30
40	71,4	11,37	0,476	2400	37,80	6,01	15,10
60	70,5	11,21	0,705	2600	36,60	5,83	15,86
80	69,6	11,07	0,928	2800	35,50	5,66	16,58
100	68,7	10,94	1,145	3000	34,50	5,50	17,27
200	65,0	10,35	2,170	3200	33,60	5,35	17,92
300	62,1	9,88	3,100	3400	32,70	5,20	18,53
400	59,5	9,48	3,970	3600	31,90	5,07	19,11
500	57,4	9,13	4,780	3800	31,10	4,94	19,67
600	55,5	8,83	5,550	4000	30,30	4,82	20,20
700	53,7	8,55	6,270	4500	28,50	4,54	21,40
800	52,2	8,31	6,960	5000	26,90	4,29	22,50
900	50,8	8,08	7,620	5500	25,50	4,06	23,40
1000	49,5	7,88	8,250	6000	24,20	3,85	24,20
1100	48,3	7,69	8,860	6500	23,00	3,65	24,90
1200	47,2	7,51	9,440	7000	21,80	3,47	25,50
1300	46,2	7,35	10,000	7500	20,80	3,30	26,00
1400	45,2	7,19	10,540	8000	19,77	3,15	26,40
1500	44,3	7,04	11,070	8500	18,84	3,00	26,70
1600	43,4	6,91	11,570	9000	17,95	2,86	26,90
1700	42,6	6,78	12,060	9500	17,12	2,72	27,10
1800	41,8	6,65	12,540	10000	16,32	2,60	27,20
1900	41,0	6,53	13,000				

Rotational speeds over 10000 rpm and/or belt speeds over 60 m/s need special drive designs. Please ask 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	AT 10	[kg/m]	0,101	0,158	0,202	0,315	0,473	0,630	0,945

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		