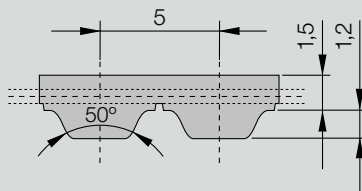


AT high performance Timing Belts

AT 5



CONTI® SYNCHROFLEX Timing Belt (SFX) AT 5

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

Type / Length*	Number of teeth	Type / Length*	Number of teeth
AT 5 / 225	45	AT 5 / 720	144
AT 5 / 255	51	AT 5 / 750	150
AT 5 / 260	52	AT 5 / 780	156
AT 5 / 280	56	AT 5 / 825	165
AT 5 / 300	60	AT 5 / 860	172
AT 5 / 330	66	AT 5 / 875	175
AT 5 / 340	68	AT 5 / 900	180
AT 5 / 375	75	AT 5 / 920	184
AT 5 / 390	78	AT 5 / 975	195
AT 5 / 420	84	AT 5 / 1050	210
AT 5 / 450	90	AT 5 / 1125	225
AT 5 / 455	91	AT 5 / 1230	246
AT 5 / 480	96	AT 5 / 1500	300
AT 5 / 490	98	AT 5 / 1750	350
AT 5 / 500	100	AT 5 / 2000	400
AT 5 / 525	105	AT 5 / 3350 FA**	670
AT 5 / 545	109	AT 5 / 3800 FA**	760
AT 5 / 600	120		
AT 5 / 610	122		
AT 5 / 620	124		
AT 5 / 630	126		
AT 5 / 660	132		
AT 5 / 670	134		
AT 5 / 690	138		
AT 5 / 710	142		

Preferred belt width* in mm:
10, 16, 25, 32, 50

* Other dimensions upon request.
** Please request technical support from your Mulco sales partner.

Order example

CONTI® SYNCHROFLEX Timing Belt 10 AT5/450

Belt width in mm _____

Type/Pitch _____

Belt length in mm _____

AT 5 Technical data

1. Tooth shear strength (specific belt tooth strength)

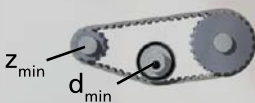

R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]	R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]
0	35,3	2,810	0,000	2000	21,9	1,740	3,650
20	34,9	2,780	0,058	2200	21,3	1,695	3,910
40	34,5	2,750	0,115	2400	20,8	1,654	4,160
60	34,1	2,720	0,171	2600	20,3	1,615	4,400
80	33,8	2,690	0,225	2800	19,84	1,579	4,63
100	33,5	2,660	0,279	3000	19,42	1,545	4,85
200	32,0	2,550	0,534	3200	19,01	1,513	5,07
300	30,9	2,460	0,771	3400	18,64	1,483	5,28
400	29,8	2,370	0,995	3600	18,28	1,454	5,48
500	29,0	2,300	1,207	3800	17,93	1,427	5,68
600	28,2	2,240	1,409	4000	17,61	1,401	5,87
700	27,5	2,190	1,603	4500	16,86	1,342	6,32
800	26,8	2,140	1,789	5000	16,18	1,288	6,74
900	26,3	2,090	1,969	5500	15,56	1,239	7,13
1000	25,7	2,050	2,140	6000	15,00	1,194	7,50
1100	25,2	2,010	2,310	6500	14,48	1,152	7,84
1200	24,8	1,970	2,480	7000	13,99	1,113	8,16
1300	24,3	1,936	2,640	7500	13,54	1,077	8,46
1400	23,9	1,903	2,790	8000	13,11	1,043	8,74
1500	23,5	1,872	2,940	8500	12,71	1,011	9,00
1600	23,2	1,843	3,090	9000	12,33	0,981	9,24
1700	22,8	1,816	3,230	9500	11,97	0,953	9,47
1800	22,5	1,789	3,370	10000	11,63	0,925	9,69
1900	22,2	1,764	3,510				

Rotational speeds over 10000 rpm and/or belt speeds over 80 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]	6	10	16	25	32	50	75	100
Tension member strength F _{zul}		[N]	350	700	1260	2030	2660	4200	6370	8610
Belt weight	AT 5	[kg/m]	0,020	0,034	0,054	0,085	0,109	0,170	0,255	0,340

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]	25		
Timing pulley	z _{min}	20		Drive type with contraflexure
Tension roller (smooth), running on the back of the belt	d _{min} [mm]	60		