

# BRECOFLEXmove



The BRECOFLEXmove timing belt is specifically designed for high-performance drives with a particularly high power requirement. A newly developed steel cord increases belt stiffness and tear-resistance, making transmission of stronger forces possible.

The tooth flank geometry has been designed through FEM analysis. This leads to an optimisation of the contact pressure distribution and reduces the work of friction between the timing belts and the pulley thus minimising wear. In addition, a friction-optimised laminate coating is applied to the tooth side.

Selecting a narrower BRECOFLEXmove timing belt as an alternative to an endless standard timing belt makes a more compact drive design possible.

Your Angst+Pfister Product Application Engineer is at your disposal for drive design.

## Features

- An innovative tension cord for transmission of stronger forces
- A FEM-optimised tooth flank geometry
- Minimised wear due to the laminate tooth coating
- Space saver: choose a narrower belt width for better space optimization

## Benefits

- Heavy duty extra power
- Less friction that extends lifetime
- Laminated coating that reduces noise

### Contact

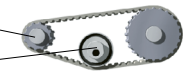
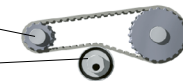
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## Benefits

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- Less friction that extends lifetime
- Laminated coating that reduces noise

BRECOFLEXmove AT10 MOV			Tooth shear strength (specific belt tooth load bearing)				
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	113,2	18,02	0,000	2000	62,1	9,89	20,698
20	111,5	17,76	0,371	2200	60,1	9,55	22,022
40	110,0	17,51	0,733	2400	58,2	9,26	23,254
60	108,6	17,26	1,086	2600	56,4	8,98	24,424
80	107,2	17,05	1,429	2800	54,7	8,72	25,533
100	105,8	16,85	1,763	3000	53,1	8,47	26,596
200	100,1	15,94	3,342	3200	51,7	8,24	27,597
300	95,6	15,22	4,774	3400	50,4	8,01	28,536
400	91,6	14,60	6,114	3600	49,1	7,81	29,429
500	88,4	14,06	7,361	3800	47,9	7,61	30,292
600	85,5	13,60	8,547	4000	46,7	7,42	31,108
700	82,7	13,17	9,656	4500	43,9	6,99	32,956
800	80,4	12,80	10,718	5000	41,4	6,61	34,650
900	78,2	12,44	11,735	5500	39,3	6,25	36,036
1000	76,2	12,14	12,705	6000	37,3	5,93	37,268
1100	74,4	11,84	13,644	6500	35,4	5,62	38,346
1200	72,7	11,57	14,538	7000	33,6	5,34	39,270
1300	71,1	11,32	15,400	7500	32,0	5,08	40,040
1400	69,6	11,07	16,232	8000	30,4	4,85	40,656
1500	68,2	10,84	17,048	8500	29,0	4,62	41,118
1600	66,8	10,64	17,818	9000	27,6	4,40	41,426
1700	65,6	10,44	18,572	9500	26,4	4,19	41,734
1800	64,4	10,24	19,312	10000	25,1	4,00	41,888
1900	63,1	10,06	20,020				

BRECOFLEXmove AT10 MOV		Admissible tension cord strength F <sub>adm</sub> /Belt weight				
Belt width	b [mm]	25	32	50	75	100
move tension member	F <sub>adm</sub> [N]	6750	8625	13470	20200	26940
Belt weight	[kg/m]	0,173	0,222	0,347	0,520	0,693

BRECOFLEXmove AT10 MOV		Flexibility (minimum tooth count/minimum diameter)	
		move tension member	
		Standard	
 z <sub>min</sub> d <sub>min</sub>	without contra-flexure	z <sub>min</sub>	18
		d <sub>min</sub> [mm]	60
 z <sub>min</sub> d <sub>min</sub>	with contra-flexure	z <sub>min</sub>	25
		d <sub>min</sub> [mm]	120

Currently producible length 1'400 to 30'500 mm.