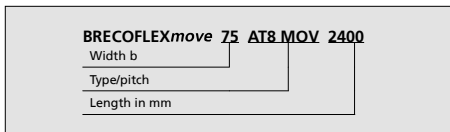


Belt widths b [mm] (in-between belt widths on request)					
16	25	32	50	75	100



BRECOFLEXmove AT8 MOV	Available lengths and versions
Standard delivery lengths	-
Winding width	100 mm
Any number of teeth available from	1408 mm up to 13000 mm
Minimum purchase amount	1 sleeve
Standard material	TPUST1
move-tension member (Standard)	steel
E-tension member	not available
VA-tension member	not available
Laminate coating on the tooth side (standard)	Standard, colour: red
Belt colour	white / red

BRECOFLEXmove AT8

The BRECOFLEXmove is a timing belt specifically designed for high-performance drives and traction drives with a particularly high stiffness requirement. A newly developed steel cord tension member increases belt stiffness and tear-resistance, making transmission of stronger forces possible. The tooth flank geometry has been optimised through the Finite Element Method (FEM). This leads to an optimisation of the contact pressure distribution and reduces the work of friction between the timing belts and tooth washer, 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. Depending on the circumferential forces actually to be transmitted in the application, it is advisable to use a material with higher strength or an additional surface coating for the toothed pulleys.

Your local BRECO sales partner can provide further information.

BRECOFLEXmove AT8 MOV				Tooth shear strength (specific belt tooth load bearing)			
R.p.m. n [min-1]	F _{Uspez} [N/cm]	M _{spez} [Ncm/cm]	P _{spez} [W/cm]	R.p.m. n [min-1]	F _{Uspez} [N/cm]	M _{spez} [Ncm/cm]	P _{spez} [W/cm]
0	90,560	11,533	0,000	2000	49,680	6,330	13,247
20	89,200	11,366	0,237	2200	48,080	6,112	14,094
40	88,000	11,206	0,469	2400	46,560	5,926	14,883
60	86,880	11,046	0,695	2600	45,120	5,747	15,631
80	85,760	10,912	0,915	2800	43,760	5,581	16,341
100	84,640	10,784	1,128	3000	42,480	5,421	17,021
200	80,080	10,202	2,139	3200	41,360	5,274	17,662
300	76,480	9,741	3,055	3400	40,320	5,126	18,263
400	73,280	9,344	3,913	3600	39,280	4,998	18,835
500	70,720	8,998	4,711	3800	38,320	4,870	19,387
600	68,400	8,704	5,470	4000	37,360	4,749	19,909
700	66,160	8,429	6,180	4500	35,120	4,474	21,092
800	64,320	8,192	6,860	5000	33,120	4,230	22,176
900	62,560	7,962	7,510	5500	31,440	4,000	23,063
1000	60,960	7,770	8,131	6000	29,840	3,795	23,852
1100	59,520	7,578	8,732	6500	28,320	3,597	24,541
1200	58,160	7,405	9,304	7000	26,880	3,418	25,133
1300	56,880	7,245	9,856	7500	25,600	3,251	25,626
1400	55,680	7,085	10,388	8000	24,320	3,104	26,020
1500	54,560	6,938	10,911	8500	23,200	2,957	26,316
1600	53,440	6,810	11,404	9000	22,080	2,816	26,513
1700	52,480	6,682	11,886	9500	21,120	2,682	26,710
1800	51,520	6,554	12,360	10000	20,080	2,560	26,808
1900	50,480	6,438	12,813				

BRECOFLEXmove AT8 MOV		Admissible tension cord strength F _{zul} / Belt weight					
Belt width	b [mm]	16	25	32	50	75	100
move tension member	F _{zul} [N]	4312	6750	8625	13470	20200	26940
Belt weight	[kg/m]	0,106	0,167	0,212	0,339	0,508	0,678

BRECOFLEXmove AT8 MOV		Flexibility (minimum tooth count/minimum diameter)	
		move tension member	
		Standard	
	Without contraflexure	z _{min}	22
		d _{min} [mm]	60
	With contraflexure	z _{min}	32
		d _{min} [mm]	120

All rights for technical modifications are withheld.