



BRECOFLEXmove AT15 MOV	Lieferbare Längen und Ausführungen
Standard delivery lengths	-
Winding width	b=100 mm
Minimum purchase amount	1 sleeve
Any number of teeth available from	1410 mm up to 30495 mm
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)	red
Belt colour	white / red

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

BRECOFLEXmove 75 AT15 MOV 3000	
Width b	75
Type/pitch	AT15 MOV
Length in mm	3000

## BRECOFLEXmove AT15

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 AT15 MOV				Tooth shear strength (specific belt tooth load bearing)			
R.p.m. n [min-1]	F <sub>Uppez</sub> [N/cm]	M <sub>spez</sub> [Ncm/cm]	P <sub>spez</sub> [W/cm]	R.p.m. n [min-1]	F <sub>Uppez</sub> [N/cm]	M <sub>spez</sub> [Ncm/cm]	P <sub>spez</sub> [W/cm]
0	168,000	40,127	0,000	1600	92,927	22,196	37,187
20	165,244	39,469	0,827	1700	90,899	21,712	38,649
40	162,670	38,854	1,627	1800	88,972	21,251	40,055
60	160,255	38,278	2,405	1900	87,135	20,813	41,407
80	157,982	37,734	3,161	2000	85,382	20,394	42,709
100	155,833	37,221	3,898	2200	82,094	19,608	45,171
200	146,574	35,010	7,332	2400	79,063	18,884	47,458
300	139,098	33,224	10,437	2600	76,250	18,213	49,584
400	132,827	31,726	13,288	2800	73,626	17,586	51,561
500	127,427	30,436	15,935	3000	71,168	16,999	53,399
600	122,685	29,304	18,411	3200	68,856	16,447	55,109
700	118,457	28,294	20,739	3400	66,674	15,925	56,697
800	114,643	27,383	22,939	3600	64,607	15,432	58,171
900	111,170	26,553	25,024	3800	62,644	14,963	59,538
1000	107,981	25,792	27,007	4000	60,775	14,516	60,802
1100	105,033	25,087	28,897	4500	56,462	13,486	63,547
1200	102,292	24,433	30,701	5000	52,578	12,558	65,751
1300	99,732	23,821	32,427	5500	49,047	11,715	67,468
1400	97,329	23,247	34,080	6000	45,809	10,942	68,743
1500	95,066	22,707	35,665	6500	42,819	10,227	69,611

BRECOFLEXmove AT15 MOV		Admissible tension cord strength F <sub>zul</sub> / Belt weight				
Belt width	b [mm]	25	32	50	75	100
move tension member	F <sub>zul</sub> [N]	8450	11050	17550	26000	35100
Belt weight	[kg/m]	0,237	0,303	0,473	0,710	0,946

BRECOFLEXmove AT15 MOV		Flexibility (minimum tooth count/minimum diameter)	
		move tension member	
		Standard	
 z <sub>min</sub> d <sub>min</sub>	Without contraflexure	z <sub>min</sub>	20
		d <sub>min</sub> [mm]	95
 z <sub>min</sub> d <sub>min</sub>	With contraflexure	z <sub>min</sub>	25
		d <sub>min</sub> [mm]	120

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