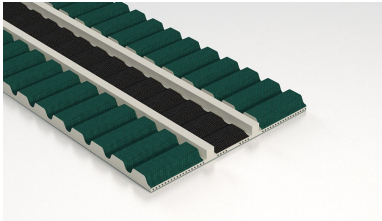
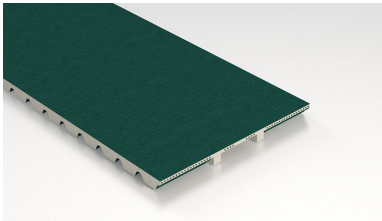


BRECOvacuum



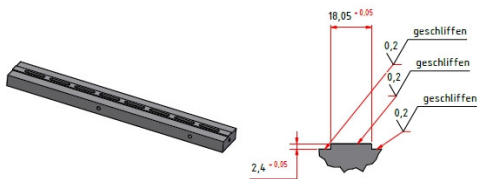
AT10 VAC

BRECOvacuum



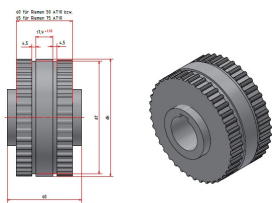
AT10 VAC

Connection dimensions vacuum rails



AT10 VAC

Connection dimensions pulley



AT10 VAC

Available length and versions	AT10 VAC	Comment
Standard delivery length (M)	-	-
Cut to lengths / lengths > 100 m	-	-
minimum length endless joined (V)	1200 mm	only belt widths listed in the table available
Standard material	TPUST1	further materials on request
Steel tension member (standard)	standard in the field of gearing	-
E tension member	-	-
Stainless steel cord (VA301)	in the area of the vacuum track standard	-
Polyamide fabric on the tooth side (PAZ)	green / fine	-
Polyamide fabric on the back of the belt (PAR)	green / coarse	-
Polyamide fabric in the vacuum track	black	-
Suction hole diameter	<= 4 mm	-

Tooth shear strength (specific belt tooth load bearing)

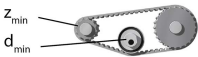
R.p.m. n [min-1]	F _{tspez} [N/cm] b=50 mm	F _{tspez} [N/cm] b=75 mm
0	36.8	55.4
20	36.2	54.6
40	35.7	53.8
60	35.2	53.1
80	34.8	52.4
100	34.4	51.8
200	32.5	49
300	31	46.8
400	29.8	44.9
500	28.7	43.3

Belt widths b [mm] (In-between belt widths on request)

50

75

AT10 VAC			Admissible tensile force of the belt F_{adm} / belt weight	
belt width		b [mm]	50	75
M	E / Steel tension member	F_{Tadm} [N]	2,500	4,500
	Specific elasticity (E- / Steel tension member)	C_{spez} [N]	$1.25 \cdot 10^6$	$2.24 \cdot 10^6$
	Stainless steel cord	F_{Tadm} [N]	1,860	3,350
	Specific elasticity (stainless steel tens. m.)	C_{spez} [N]	$1.25 \cdot 10^6$	$2.24 \cdot 10^6$
V	E / Steel tension member	F_{Tadm} [N]	1,250	2,250
	Stainless steel cord	T_{adm} [N]	930	1,675
Belt weight (Standard)		[kg/m]	0.255	0.413

AT10 VAC		Flexibility (Minimum number of teeth / minimum diameter)											
		Steel tension member				E / Steel tension member				Stainless steel cord			
		Standard	DL	DR	T	Standard	DL	DR	T	Standard	DL	DR	T
	Minimum number of teeth without contraflexure (z_{min})	38	-	-	-	-	-	-	-	38	-	-	-
	Minimum diameter of tensioning roller without contraflexure (d_{min} [mm])	120	-	-	-	-	-	-	-	120	-	-	-
	Minimum number of teeth with contraflexure (z_{min})	48	-	-	-	-	-	-	-	48	-	-	-
	Minimum diameter of tensioning roller with contraflexure (d_{min} [mm])	150	-	-	-	-	-	-	-	150	-	-	-