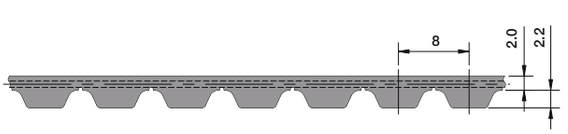
AT8





Truly Endless "BFX"



Specifications

Widths (mm)	16	25	32	50	75	100
Note:	Standard belt widths are shown. For in-between widths, please contact customer service.					
Lengths	Additional lengths up to 13,000. In-between lengths available starting at a minimum length of 1408mm.					
Material	***move*** high strength steel					

Note: For BFX standard and custom lengths please contact customer service at (732) 460-9500.

AT8*move* Belt "BFX" Specifications

Construction	Tension member	Parameter	Belt Width (mm) 16	25	32	50	75	100
Truly Endless "BFX"	AT8*move* steel	Allowable Force F_{Tzul}[N]	4,312	6,750	8,625	13,470	20,200	26,940
		Belt Mass [kg/m]	0.106	0.167	0.212	0.339	0.508	0.678

move-series® Flexibility
(minimum tooth count/minimum diameter)

Drive w/o back bending



Tension Member	AT8*move* Tension Member
Construction	BFX
Z_{min} (# of teeth)	25
d_{min} (mm)(Ø)	60

Drive with back bending



Tension Member	AT8*move* Tension Member
Construction	BFX
Z_{min} (# of teeth)	32
d_{min} (mm)(Ø)	120

AT8*move* "BFX" Specific Tooth Shear Strength

RPM n [min]	FORCE F_{SPEC} [N/cm]	TORQUE M_{SPEC} [Ncm/cm]	POWER P_{SPEC} [W/cm]	RPM n [min]	FORCE F_{SPEC} [N/cm]	TORQUE M_{SPEC} [Ncm/cm]	POWER P_{SPEC} [W/cm]
0	90.56	14.41	0	2000	49.68	7.91	16.55
20	89.20	14.20	0.29	2200	48.08	7.64	17.61
40	88.00	14.00	0.58	2400	46.56	7.40	18.60
60	86.88	13.80	0.86	2600	45.12	7.18	19.53
80	85.76	13.64	1.14	2800	43.76	6.97	20.42
100	84.64	13.48	1.41	3000	42.48	6.77	21.27
200	80.08	12.75	2.67	3200	41.36	6.59	22.07
300	76.48	12.17	3.81	3400	40.32	6.40	22.82
400	73.28	11.68	4.89	3600	39.28	6.24	23.54
500	70.72	11.24	5.88	3800	38.32	6.08	24.23
600	68.40	10.88	6.83	4000	37.36	5.93	24.88
700	66.16	10.53	7.72	4500	35.12	5.59	26.36
800	64.32	10.24	8.57	5000	33.12	5.28	27.72
900	62.56	9.95	9.38	5500	31.44	5.00	28.82
1000	60.96	9.71	10.16	6000	29.84	4.74	29.81
1100	59.52	9.47	10.91	6500	28.32	4.49	30.67
1200	58.16	9.25	11.63	7000	26.88	4.27	31.41
1300	56.88	9.05	12.32	7500	25.60	4.06	32.03
1400	55.68	8.85	12.98	8000	24.32	3.88	32.52
1500	54.56	8.67	13.63	8500	23.20	3.69	32.89
1600	53.44	8.51	14.25	9000	22.08	3.52	33.14
1700	52.48	8.35	14.85	9500	21.12	3.35	33.38
1800	51.52	8.19	15.45	10000	20.08	3.20	33.51
1900	50.48	8.04	16.01				