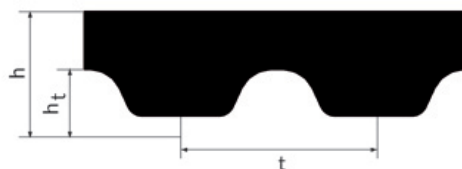
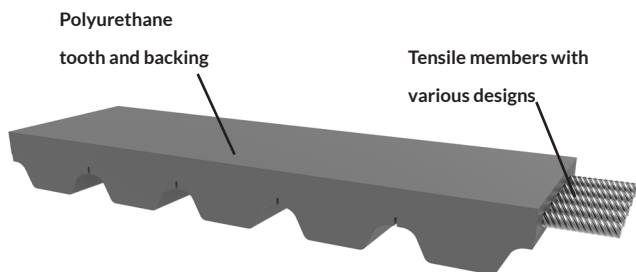


WALTHER FLENDER POLYURETHANE LL - PROFILE AT OPEN-LENGTH TIMING BELTS

Design & Components



Dimensions

Pitch	Pitch t (mm)	Standard belt width (mm)	Roll length* (m)	Total height h (mm)	Tooth height h _t (mm)	Weight per metre g/25 mm belt width according to tensile members			
						Steel	Aramid	Stainless steel	Steel Highly flexible(HF)
AT5	5	10 16 25 32 50 75 100	100	2,7	1,2	82,5	67,5		
ATL5	5	10 16 25 32 50 75 100 150	100	2,7	1,2	70,0			
AT10	10	16 25 32 50 75 100 150	100	4,5	2,5	142,5	105,0	142,5	137,5
ATL10	10	16 25 32 50 75 100 150	100	4,8	2,5	167,5	102,5		180,0
AT20	20	25 32 50 75 100 150	50	8,0	5,0	242,5	182,5		
ATL20	20	32 50 75 100 150	50	8,0	5,0	267,5			

* Further roll length on request

All divisions require timing belt pulleys with AT tooth profile to take full advantage of power transmission, smooth running and positioning accuracy.

Belt tolerances

Width tolerances according to belt width (mm)

Pitch	10	12	16	25	32	40	50	75	100	150
AT5	± 0,5		± 0,5	± 0,5	± 0,5		± 0,75	± 0,75	± 0,75	
ATL5	± 0,5		± 0,5	± 0,5	± 0,5		± 0,75	± 0,75	± 0,75	± 0,75
AT10			± 0,75	± 0,75	± 0,75		± 1,0	± 1,0	± 1,0	± 1,0
ATL10			± 1,0	± 1,0	± 1,0		± 1,5	± 1,5	± 1,5	± 1,5
AT20				± 1,0	± 1,0		± 1,5	± 1,5	± 1,5	± 1,5
ATL 20					± 2,0		± 2,0	± 2,0	± 2,0	± 2,0

Thickness tolerances (mm)

Pitch	Thickness tolerances
AT5	± 0,25
ATL5	
AT10	
ATL10	
AT20	
ATL 20	

Tensile strength [N] according to belt width (mm)

Pitch	Tensile member	10	16	25	32	50	75	100	150
AT5	Steel	2.565	4.275	7.125	9.120	14.535	21.945	29.355	
	Aramid	3.140	5.224	8.350	10.782	17.034	25.718	34.402	
ATL5	Steel	3.720	6.200	10.540	13.640	21.700	32.860	44.020	66.340
AT10	Steel		8.550	14.250	18.050	29.450	44.650	59.850	90.250
	Aramid		9.970	16.185	21.019	33.449	50.713	67.977	102.505
	Stainless Steel		6.413	10.688	13.538	22.088	33.488	44.888	67.668
	HF		7.785	12.975	16.435	26.815	40.655	54.495	82.175
ATL10	Steel		13.840	24.220	31.140	50.170	76.120	102.070	153.970
	Aramid		13.390	21.798	28.337	45.153	68.508	91.863	138.573
	HF		15.400	26.950	34.650	55.825	84.700	113.575	171.325
AT20	Steel			24.220	31.140	50.170	76.120	102.070	153.970
	Aramid			21.798	28.337	45.153	68.508	91.863	138.573
ATL20	Steel				41.600	70.400	105.600	144.000	217.600

Available Designs

Polyurethane & Fabric	
Antistatic	AT 5/AT10 (Standard) ATL10 (on request) AT20/ATL20 (on request) ATL5 (no)
EU food industry approval	AT5 /AT10 (Standard) ATL10/AT20 (on request) ATL5/ATL 20 (no)
FDA approval	AT5 /AT10 (Standard) ATL10/AT20 (on request) ATL5/ATL 20 (no)
Fabric on the toothed side (PAZ)	Standard
Fabric on the back (PAR)	Standard
Fabric on both sides (PAZ/PAR)	Standard