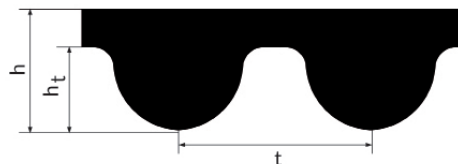
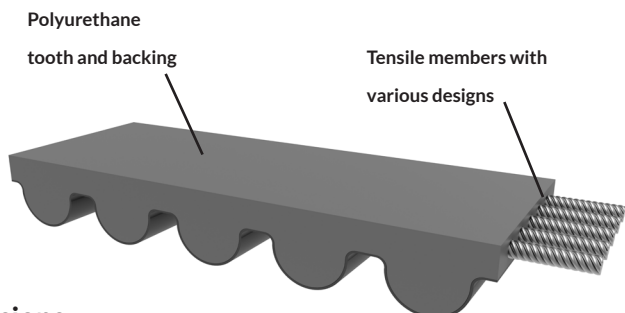


# WALTHER FLENDER POLYURETHANE LL - PROFILE HTD OPEN-LENGTH TIMING BELTS

## 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)
HTD 5M	5	10 15 20 25 50 100 150	100	3,6	2,1	110,0	72,5		
HTD 8M	8	10 15 20 25 30 50 85 100 150	100	5,6	3,4	172,5	117,5	170,0	165,0
HTD L 8M	8	20 25 30 50 85 100 150	100	5,6	3,4	197,5	112,5		207,5
HTD 14M	14	25 40 55 85 115 170	50	10,0	6,0	270,0	210,0		280,0
HTDL 14M	14	55 85 115 170	50	10,0	6,0	305,0			

\* 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	15	20	25	30	40	50	55	85	100	115	150	170
HTD 5M	± 0,5	± 0,5	± 0,5	± 0,5			± 0,75			± 0,75		± 0,75	
HTD 8M	± 0,75	± 0,75	± 0,75	± 0,75	± 0,75		± 1,0		± 0,75	± 0,75		± 0,75	
HTD L 8M			± 1,0	± 1,0	± 1,0		± 1,5		± 1,5	± 1,5		± 1,5	
HTD 14M				± 1,0		± 1,0		± 1,5	± 1,5		± 2,0		± 2,0
HTDL 14M								± 1,5	± 1,5		± 2,0	± 2,0	

### Thickness tolerances (mm)

Pitch	Thickness tolerances
HTD 5M	± 0,25
HTD 8M	
HTD L 8M	
HTD 14M	
HTDL 14M	

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

Pitch	Tensile member	10	15	20	25	30	40	50	55	85	100	115	150	170
HTD 5M	Steel	3.720	5.580	8.060	10.540			21.700			44.020		66.340	
	Aramid	2.911	4.635	6.360	8.085			16.709			33.957		51.205	
HTD 8M	Steel	4.750	7.600	10.450	14.250	17.100		29.450		50.350	59.850		90.250	
	Aramid	5.827	9.279	12.732	16.185	19.638		33.449		57.619	67.977		102.505	
	Stainless Steel	3.563	5.700	7.838	10.688	12.825		22.088		37.763	44.888		67.688	
	HF	4.325	6.920	9.515	12.975	15.570		26.815		45.845	54.495		82.175	
HTD L 8M	Steel			19.030	24.220	29.410		50.170		86.500	102.070		153.970	
	Aramid			17.127	21.798	26.469		45.153		77.850	91.863		138.573	
	HF			21.175	26.950	32.725		55.825		96.250	113.575		171.325	
HTD 14M	Steel				20.760		34.600		48.440	74.390		102.070		152.240
	Aramid				18.995		31.327		43.658	68.321		92.984		138.199
	HF				23.100		38.500		53.900	82.775		113.575		169.400
HTDL 14M	Steel								76.800	121.600		163.200		246.400

## Available Designs

Polyurethane & Fabric	
Antistatic	auf Anfrage
EU food industry approval	HTD 5/8/14 M //(auf Anfrage) HTD L 8M (auf Anfrage) HTD L 14M (nein)
FDA approval	HTD 5/8/14 M //(auf Anfrage) HTD L 8M (auf Anfrage) HTD L 14M (nein)
Fabric on the toothed side (PAZ)	Standard
Fabric on the back (PAR)	Standard
Fabric on both sides (PAZ/PAR)	Standard