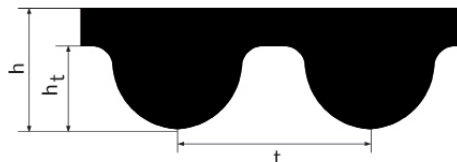
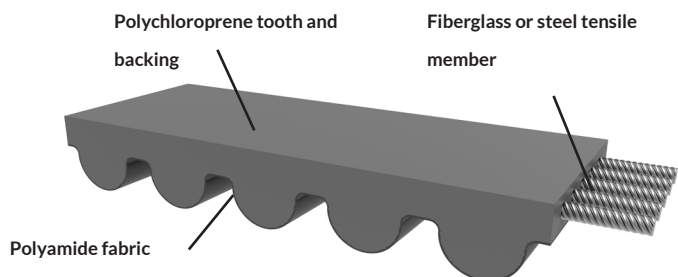


WALTHER FLENDER POWERGRIP® HTD LL OPEN-LENGTH TIMING BELTS

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 (fiberglass cord) g/25 mm belt width	
						fiberglass	steel
3M	3	6 9 15	30	2,41	1,22	57	
5M	5	6 10 15 25	30	3,81	2,06	94	112
8M	8	10 15 20 30 50 85	30	6,00	3,45	135	163
14M	14	40 55 85 115 200	30	10,00	6,02	240	330

* Further roll length on request

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

Belt tolerances

Width tolerances according to belt width (mm)

Pitch	6	9	10	15	20	25	30	40	50	55	85	115
3M	± 0,8	± 0,8		± 0,8								
5M	± 0,8		± 0,8	+0,8 -1,2		+0,8 -1,2						
8M			+0,8 -1,2	± 1,2	± 1,2		± 1,2		+1,2 -1,6		+2,4 -2,8	
14M								± 1,6		± 2,0	± 2,5	± 3,0

Thickness tolerances (mm)

Pitch	Thickness tolerances
3M	± 0,25
5M	± 0,25
8M	± 0,25
14M	± 0,63

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

Pitch	Tensile member	6	9	10	12	15	20	25	30	40	50	55	85	115	150	200
3M	Fiberglass	1.200	1.990		2.570	3.200										
	Steel	2.299	2.874	3.449	4.024	5.174	6.898	8.623	10.348		18.396					
5M	Fiberglass	2.500	3.750	4.200	5.000	6.250	8.500	10.500	12.500		21.000					
	Steel	2.299	2.874	3.449	4.024	5.174	6.898	8.623	10.348		18.396					
8M	Fiberglass			5.400		8.000	11.000	13.500	16.300		27.700		47.000			
	Steel			5.392		8.087	10.783	13.479	16.175		28.755		50.321			
14M	Fiberglass							17.010		27.950		37.250	60.500	80.000	105.000	143.000
	Steel							40.761		74.728		108.695	169.836	230.976	312.498	400.812

Min. back idler (mm)

Pitch	Glascord	Stahlcord
3M	15	
5M	35	65
8M	85	85
14M	190	250

Characteristics

Antistatic according to ISO 9563	on request
Temperature resistance [°C]	-25 / + 100