



TiLite® manual wheelchairs

Comparison matrix



TiLite Twist



TiLite Pilot

Pediatric	TiLite Twist	TiLite Pilot
Frame features	1" Aluminum Mono-Tube Adjustable TiFit	1" Carbon/Aluminum Mono-Tube Growable
Seat width	8" – 15"	8" – 15"
Seat depth	8" – 16"	9" – 15"
Front seat height	13" – 20"	12" – 16.5"
Rear seat height	12" – 19.5"	12" – 16.5"
Front frame angle	70°, 80°, or 90°	–
Seat back type	Folding Seat Back Adj. Height 8.5" – 21" Adj. Angle 80° – 101°	Non-Folding Adjustable-Height Rigid Back Adj. Height 2" Adj. Angle 80° – 101°
Center of gravity adjustment	6"	3"
Transit options*	Transit Tie-Down	Transit Tie-Down
Transport weight**	12 lb.	11 lb.
Weight limit	165 lb.	120 lb.

*See Transit Option Flyers and Owners Manuals at www.permobilus.com for specifications, limitations and precautions. **Weights based on 16" x 16" wheelchairs (12" x 12" for youth chairs) with all standard features except rear wheels. For reference, a pair of standard 24" (540) rear wheels weighs 7.2 lb. For youth chairs, a pair of standard 22" (501) rear wheels weighs 7.0 lb. A pair of standard wheel locks weighs 0.9 lb.



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Rigid wheelchairs

Folding wheelchairs

	TiLite CR1	TiLite TR	TiLite ZR	TiLite TRA	TiLite ZRA	TiLite Aero T	TiLite Z	TiLite X	TiLite 2GX
Frame features	Carbon fiber elliptical tubing	1" Titanium Dual-Tube	1.25" Titanium Mono-Tube	1" Titanium Dual-Tube	1.25" Titanium Mono-Tube	1" Aluminum Dual-Tube	1.25" Aluminum Mono-Tube	1" Aluminum Box Frame	1" Titanium Box Frame
Seat width	13" – 18"	12" – 20"	10" – 20"	12" – 20"	10" – 20"	12" – 20"	12" – 20"	14" – 22"	12" – 22"
Seat depth	13" – 19"	12" – 20"	10" – 20"	12" – 20"	10" – 20"	12" – 20"	12" – 20"	14" – 20"	12" – 20"
Front seat height	17.5" – 20.75"	15" – 21"	16" – 21"	15" – 21"	16" – 21"	15" – 21"	16" – 21"	13.5" – 20.5"	13.5" – 21"
Rear seat height	16.5" – 19"	12.5" – 21"	12.5" – 20"	13" – 21"	12.5" – 20"	13" – 21"	13" – 20"	13" – 20"	13" – 20"
Front frame angle	85°	60°, 65°, 70°, 75°, 80°, 85°, or 90°	70°, 75°, 80°, 85°, or 90°	70°, 75°, 80°, 85°, or 90°	70°, 75°, 80°, 85°, or 90°	70°, 75°, 80°, 85°, or 90°	75°, 80°, 85°, or 90°	Swing Away 70°, 80°, or 85°	Fixed Front 70°, 80°, or 85° Swing Away 70°, 80°, 85°, or 90°
Seat back type	Folding Seat Back Adj. Height 10" – 17" Adj. Angle 80° – 101°	Folding Seat Back Adj. Height 9.5" – 22" Adj. Angle 80° – 101° Fixed Seat Back Fixed Height 5" – 20" Fixed Angle 80° – 101°	Folding Seat Back Adj. Height 9.5" – 22" Adj. Angle 80° – 101° Fixed Seat Back Fixed Height 8" – 20" Fixed Angle 80° – 101°	Folding Seat Back Adj. Height 9.5" – 22" Adj. Angle 80° – 101°	Folding Seat Back Adj. Height 9.5" – 22" Adj. Angle 80° – 101°	Folding Seat Back Adj. Height 9.5" – 22" Adj. Angle 80° – 101°	Folding Seat Back Adj. Height 9" – 20.5" Adj. Angle 80° – 101°	Folding Seat Back Adj. Height 12.5" – 20.5" Adj. Angle 80° – 101° Fixed Seat Back Adj. Height 12" – 20.5"	Folding Seat Back Adj. Height 11" – 20.5" Adj. Angle 80° – 101° Fixed Seat Back Adj. Height 11" – 20"
Center of gravity adjustment	2.25" – 5"	5"	2.25"	5"	6"	5"	5"	4"	6"
Transit options*	Unavailable	N/A	Transport Bracket	Q-Straint® Lock Down Approved	Transit Tie-Down	Q-Straint® Lock Down Approved	Transport Bracket	Transport Bracket	Transport Bracket
Transport weight**	9 lb.	9.3 lb.	9.3 lb.	11.1 lb.	10.7 lb.	12 lb.	11.3 lb.	12.1 lb.	Fixed Front — 13.1 lb. Swing Away — 15.5 lb.
Weight limit	231 lb.	265 lb.	Standard — 265 lb. Heavy Duty — 300 lb.	Standard — 265 lb. Heavy Duty — 350 lb.	Standard — 265 lb. Heavy Duty — 300 lb.	Standard — 265 lb. Heavy Duty — 350 lb.	275 lb.	Standard — 300 lb. Heavy Duty — 350 lb.	Standard — 265 lb. Heavy Duty — 350 lb.

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