

TiLite manual wheelchairs

Comparison matrix



permobil



	Carbon Fibre Performance	Titanium Performance		Titanium Adjustable		Aluminium Adjustable		Folding Wheelchairs	
	TiLite CR1	TiLite TR	TiLite ZR	TiLite TRA	TiLite ZRA	TiLite Aero T	TiLite Aero Z	TiLite Aero X	TiLite 2GX
Frame features	Carbon fibre elliptical tubing TiFit	1" Titanium Dual-Tube Ultimate TiFit	1.25" Titanium Mono-Tube Ultimate TiFit	1" Titanium Dual-Tube Adjustable TiFit	1.25" Titanium Mono-Tube Adjustable TiFit	1" Aluminium Dual-Tube Adjustable TiFit	1.25" Aluminium Mono-Tube Adjustable TiFit	1" Aluminium Box Frame Modular Design	1" Titanium Box Frame Modular Design
Seat width	13" – 18" (33 - 46cm)	12" – 20" (30 - 51cm)	10" – 20" (25 - 51cm)	12" – 20" (30 - 51cm)	10" – 20" (25 - 51cm)	12" – 20" (30 - 51cm)	10" – 20" (25 - 51cm)	12" – 22" (30 - 56cm)	12" – 22" (30 - 56cm)
Seat depth	13" – 19" (33 - 48cm)	12" – 20" (30 - 51cm)	10" – 20" (25 - 51cm)	12" – 20" (30 - 51cm)	10" – 20" (25 - 51cm)	12" – 20" (30 - 51cm)	10" – 20" (25 - 51cm)	12" – 20" (30 - 51cm)	12" – 20" (30 - 51cm)
Front seat height	17.5" – 21" (44 - 53cm)	15" – 21" (38 - 53cm)	16" – 21" (41 - 53cm)	15" – 21" (38 - 53cm)	16" – 21" (41 - 53cm)	15" – 21" (38 - 53cm)	16" – 21" (41 - 53cm)	13.5" – 21.5" (34 - 53cm)	13.5" – 21" (34 - 53cm)
Rear seat height	15" – 19" (38 - 48cm)	12.5" – 20" (32 - 51cm)	12.5" – 20" (32 - 51cm)	13" – 21" (33 - 53cm)	12.5" – 20" (32 - 51cm)	13" – 21" (33 - 53cm)	12.5" – 20" (32 - 51cm)	13" – 20" (33 - 51cm)	13" – 20" (33 - 51cm)
Front frame angle	85°	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°	70°, 75°, 80°, 85°, or 90°	Fixed Front 70°, 80°, or 85° Swing Away 70°, 80°, 85°, or 90°	Fixed Front 70°, 80°, or 85° Swing Away 70°, 80°, 85°, or 90°
Seat back type	Folding Seat Back Adj. Height 10" – 17" (25 - 43cm) Adj. Angle 80° – 101°	Folding Seat Back Adj. Height 9.5" – 22" (24 - 56cm) Adj. Angle 80° – 101° Fixed Seat Back Fixed Height 5" – 20" (13 - 51cm) Fixed Angle 80° – 101°	Folding Seat Back Adj. Height 9.5" – 22" (24 - 56cm) Adj. Angle 80° – 101° Fixed Seat Back Fixed Height 8" – 20" (20 - 51cm) Fixed Angle 80° – 101°	Folding Seat Back Adj. Height 9.5" – 22" (24 - 56cm) Adj. Angle 80° – 101°	Folding Seat Back Adj. Height 9.5" – 22" (24 - 56cm) Adj. Angle 80° – 101°	Folding Seat Back Adj. Height 9.5" – 22" (24 - 56cm) Adj. Angle 80° – 101°	Folding Seat Back Adj. Height 9.5" – 22" (24 - 56cm) Adj. Angle 80° – 101°	Folding Seat Back Adj. Height 11" – 20.5" (28 - 52cm) Adj. Angle 80° – 101° Fixed Seat Back Adj. Height 11" – 20" (28 - 51cm)	Folding Seat Back Adj. Height 11" – 20.5" (28 - 52cm) Adj. Angle 80° – 101° Fixed Seat Back Adj. Height 11" – 20" (28 - 51cm)
Centre of gravity adjustment	2" (6cm)	5" (13cm)	2" (6cm)	5" (13cm)	6" (15cm)	5" (13cm)	6" (15cm)	6" (15cm)	6" (15cm)
Transit options*	-	-	Transport Bracket	Q-Straint Lock Down Approved	Transit Tie-Down	Q-Straint Lock Down Approved	Transit Tie-Down Transport Bracket	Transit Tie-Down Transport Bracket	Transport Bracket
Transport weight**	3.9kg	4.2kg	4.2kg	5kg	4.8kg	5.4kg	5.6kg	Fixed Front — 7kg Swing Away — 8.2kg	Fixed Front — 5.9kg Swing Away — 7kg
Weight limit	105kg	120kg	Standard — 120kg Heavy Duty — 136kg	Standard — 120kg Heavy Duty — 159kg	Standard — 120kg Heavy Duty — 136kg	Standard — 120kg Heavy Duty — 159kg	120kg	Standard — 120kg Heavy Duty — 159kg	Standard — 120kg Heavy Duty — 159kg

*See Owners Manuals at www.permobil.com/en-nz 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" rear wheels weighs 3.3kg.
 For youth chairs, a pair of standard 22" rear wheels weighs 3.2kg.
 A pair of standard wheel locks weighs 0.4kg.



Paediatric

TiLite Twist

TiLite Pilot

Frame features	1" Aluminium Mono-Tube Adjustable TiFit	1" Carbon/Aluminium Mono-Tube Growable
Seat width	8" – 15" (20 - 38cm)	8" – 14" (20 - 35cm)
Seat depth	8" – 16" (20 - 41cm)	9" – 15" (23 - 38cm)
Front seat height	13" – 20" (33 - 51cm)	12" – 16.5" (30 - 42cm)
Rear seat height	12" – 19.5" (30 - 49cm)	12" – 16.5" (30 - 42cm)
Front frame angle	70°, 80°, or 90°	–
Seat back type	Folding Seat Back Adj. Height 8.5" – 21" (21 - 53cm) Adj. Angle 80° – 101°	Non-Folding Adjustable-Height Rigid Back Adj. Height 2" (5cm) Adj. Angle 80° – 101°
Centre of gravity adjustment	6" (15cm)	3" (7.5cm)
Transit options*	Transit Tie-Down	Transport Bracket Transit Tie-Down
Transport weight**	5.4kg	4.9kg
Weight limit	75kg	54kg

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For reference, a pair of standard 24" rear wheels weighs 3.3kg.

For youth chairs, a pair of standard 22" rear wheels weighs 3.2kg.

A pair of standard wheel locks weighs 0.4kg.