

TiLite® manual wheelchairs

Comparison matrix



permobil



Rigid wheelchairs

Folding wheelchairs

	TiLite CR1	TiLite TR	TiLite ZR	TiLite TRA	TiLite ZRA	TiLite Aero T	TiLite Aero Z	TiLite Aero X	TiLite 2GX
Frame material	Carbon fibre	Titanium	Titanium	Titanium	Titanium	Aluminium	Aluminium	Aluminium	Titanium
Seat width	13" – 18" (33 - 46 cm)	12" – 20" (30 - 51 cm)	10" – 20" (25 - 51 cm)	12" – 20" (30 - 51 cm)	10" – 20" (25 - 51 cm)	12" – 20" (30 - 51 cm)	12" – 20" (30 - 51 cm)	14" – 22" (36 - 56 cm)	12" – 22" (30 - 56 cm)
Seat depth	13" – 19" (33 - 48 cm)	12" – 20" (30 - 51 cm)	10" – 20" (25 - 51 cm)	12" – 20" (30 - 51 cm)	10" – 20" (25 - 51 cm)	12" – 20" (30 - 51 cm)	12" – 20" (30 - 51 cm)	14" – 20" (36 - 51 cm)	12" – 20" (30 - 51 cm)
Front seat height	17.5" – 20.75" (44 - 53 cm)	15" – 21" (38 - 53 cm)	16" – 21" (41 - 53 cm)	15" – 21" (38 - 53 cm)	16" – 21" (41 - 53 cm)	15" – 21" (38 - 53 cm)	16" – 21" (41 - 53 cm)	13.5" – 20.5" (34 - 52 cm)	13.5" – 21" (34 - 53 cm)
Rear seat height	16.5" – 19" (42 - 48 cm)	12.5" – 21" (32 - 53 cm)	12.5" – 20" (32 - 51 cm)	13" – 21" (33 - 53 cm)	12.5" – 20" (32 - 51 cm)	13" – 21" (33 - 53 cm)	13" – 20" (33 - 51 cm)	13" – 20" (33 - 51 cm)	13" – 20" (33 - 51 cm)
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°	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 - 43 cm) Adj. Angle 80° – 101°	Folding Seat Back Adj. Height 9.5" – 22" (24 - 56 cm) Adj. Angle 80° – 101° Fixed Seat Back Fixed Height 5" – 20" (13 - 51 cm) Fixed Angle 80° – 101°	Folding Seat Back Adj. Height 9.5" – 22" (24 - 56 cm) 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 - 56 cm) Adj. Angle 80° – 101°	Folding Seat Back Adj. Height 9.5" – 22" (24 - 56 cm) Adj. Angle 80° – 101°	Folding Seat Back Adj. Height 9.5" – 22" (24 - 56 cm) Adj. Angle 80° – 101°	Folding Seat Back Adj. Height 9" – 20.5" (23 - 52 cm) Adj. Angle 80° – 101°	Folding Seat Back Adj. Height 12.5" – 20.5" (32 - 52 cm) Adj. Angle 80° – 101° Fixed Seat Back Adj. Height 12" – 20.5" (30 - 52 cm)	Folding Seat Back Adj. Height 11" – 20.5" (28 - 52cm) Adj. Angle 80° – 101° Fixed Seat Back Adj. Height 11" – 20" (28 - 51 cm)
Centre of gravity adjustment	2.25" – 5" (6 - 13 cm)	5" (13 cm)	2.25" (6 cm)	5" (13 cm)	6" (15 cm)	5" (13 cm)	5" (13 cm)	4" (10 cm)	6" (15 cm)
Transit options*	Unavailable	Unavailable	Transport Bracket	Q-Straint® Approved	Transit Tie-Down	Q-Straint® Approved	Transport Bracket	Transport Bracket	Transport Bracket
Transport weight**	4.1 kg	4.9 kg	4.9 kg	5.1 kg	5.1 kg	5.4 kg	5.6 kg	Fixed Front — 7kg Swing Away — 8.2kg	Fixed Front — 5.9 kg Swing Away — 7 kg
Weight limit	105 kg	Standard — 120 kg Heavy Duty — 136 kg	Standard — 120 kg Heavy Duty — 136 kg	Standard — 120 kg Heavy Duty — 159 kg	Standard — 120 kg Heavy Duty — 136 kg	Standard — 120 kg Heavy Duty — 159 kg	125 kg	Standard — 136 kg Heavy Duty — 159 kg	Standard — 120 kg Heavy Duty — 159 kg

*See Transit Option Flyers and Owners Manuals at www.permobil.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 3.3 kg. For youth chairs, a pair of standard 22" (501) rear wheels weighs 3.2 kg. A pair of standard wheel locks weighs 0.4 kg. Wheel locks, and all items that can be removed without tools, such as anti-tippers, swing-away footrests, armrests, rear wheels, side guards, and seating products are excluded.



Paediatric

TiLite Twist

TiLite Pilot

Frame features	Aluminium	Carbon/Aluminium
Seat width	8" – 15" (20 - 38 cm)	8" – 15" (20 - 38 cm)
Seat depth	8" – 16" (20 - 41 cm)	9" – 15" (23 - 38 cm)
Front seat height	13" – 20" (33 - 51 cm)	12" – 16.5" (30 - 42 cm)
Rear seat height	12" – 19.5" (30 - 50 cm)	12" – 16.5" (30 - 42 cm)
Front frame angle	70°, 80°, or 90°	–
Seat back type	Folding Seat Back Adj. Height 8.5" – 21" (22 - 53 cm) Adj. Angle 80° – 101°	Non-Folding Adjustable-Height Rigid Back Adj. Height 2" (5 cm) Adj. Angle 80° – 101°
Centre of gravity adjustment	6" (15 cm)	3" (8 cm)
Transit options*	Transit Tie-Down	Transit Tie-Down
Transport weight**	5.4 kg	5 kg
Weight limit	75 kg	54 kg

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