POWERCHAIR TESTING STANDARDS



Name of Standards	Standard No.	Extreme X8	Frontier V6	Frontier V4 RWD	Frontier V4 FWD	Magic 360	XT2	XT4
Wheelchairs - Part 1: Determination of Static Stability	ISO 7176-1	✓	✓	✓	✓	✓	✓	✓
Wheelchairs - Part 2: Determination of Dynamic Stability of electrically powered wheelchairs	ISO 7176-2	√	✓	AS /NZS 3696.2	AS /NZS 3696.2	√	√	√
Wheelchairs - Part 3: Determination of the effectiveness of brakes	ISO 7176-3	✓	✓	✓	✓	✓	✓	✓
Wheelchairs – Part 4: Energy Consumption of electric wheelchairs and scooters for determination of theoretical distance range	ISO 7176-4	√	√	√	√	✓	✓	✓
Wheelchairs - Part 5: Determination of overall dimensions, mass and manoeuvring space	ISO 7176-5	√	√	AS /NZS 3696.5	AS /NZS 3696.5	✓	✓	√
Wheelchairs - Part 6: Determination of maximum speed, acceleration and deceleration of electric wheelchairs	ISO 7176-6	✓	✓	AS /NZS3 696.6	AS /NZS3 696.6	√	√	~
Wheelchairs - Part 7: Measurements of seating and wheel dimensions	ISO 7176-7	✓	✓	✓	✓	✓	√	√
Wheelchairs - Part 8: Requirements and test methods for static, impact and fatigue strengths	ISO 7176-8	✓	✓	✓	✓	√	√	√
Wheelchairs - Part 9: Climatic tests for electric wheelchairs	ISO 7176-9	√	√	✓	√	√	√	✓
Wheelchairs - Part 10: Determination of obstacle-climbing ability of electrically powered wheelchairs	ISO 7176-10	√	√	√	√	✓	✓	√



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Wheelchairs - Part 14: Power and control systems for electrically powered wheelchairs and scooters - Requirements and test methods	ISO 7176-14	✓	✓	✓	✓	>	>	√
Wheelchairs - Part 15: Requirements for information disclosure, documentation, and labelling	ISO 7176-15	✓	✓	✓	✓	>	<	√
Wheelchairs - Part 16: Resistance to ignition of postural support devices	ISO 7176-16	√	√	✓	√	√	√	√
Wheelchairs Part 19: Wheeled mobility devices for use as seats in motor vehicles	ISO 7176-19	√	√	√	√	√	√	√
Wheelchairs - Part 21: Requirements and test methods for electromagnetic compatibility of electrically powered wheelchairs and scooters, and battery chargers	ISO 7176-21	√	√	√	√	√	√	√
Wheelchairs - Part 25: Batteries and chargers for powered wheelchairs	ISO 7176-25	✓	√	√	✓	~	~	√
Wheelchairs - Part 30: Wheelchairs for changing occupant posture	ISO 7176- 30	√	√	×	×	~	~	✓
Electrically powered wheelchairs, scooters, and their chargers - Requirements and test methods	EN12184	✓	✓	AS /NZS 3695.2	AS /NZS 3695.2	√	√	√
Quality Management	ISO 13485 ISO 9001	√	√	√	√	✓	√	✓

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