

Powered Wheelchair Codes Matrix (draft 3/6/03)

Code Descriptor (Note: the shaded/bolded areas highlight a change from the preceding code.)	Non-Modular Powered Wheelchair	General Purpose Modular Powered Wheelchair	Positioning Modular Powered Wheelchair	Multi-Function Positioning Modular Powered Wheelchair	Active Performance Modular Powered Wheelchair	Heavyweight Capacity Powered Wheelchair	Not Otherwise Classified Powered Wheelchair
Proposed Code	E1	E2	E3	E4	E5	E6	E7
1.) User Weight Limit	250 lbs.	250 lbs.	250 lbs.	250 lbs.	250 lbs.	500 lbs.	
2.) Frame Style	Fold or Rigid	Power Base	Power Base	Power Base	Power Base	Fold, Rigid or Power Base	
3.) Seat Style (A) (B)	Non-Positioning Seat	Basic Positioning Seat (A)	Advanced Positioning Seat (B)	Advanced Positioning Seat (B)	Advanced Positioning Seat (B)	Basic or Advanced Positioning Seat	
4.) Removable or flip-up armrests	Yes	Yes	Yes	Yes	Yes	Yes	
5.) Swing-away footrests or center-mount footplate	Yes	Yes	Yes	Yes	Yes	Yes	
6.) Std Proportional Joystick- ability to program speed, acceleration, deceleration	Yes	Yes	Yes	Yes	Yes	Yes	
7.) Upgradeable with Alt Drive and Other Electronic Controls	No	No	Yes	Yes	Yes	No	
8.) Allows Power Seating System	No	May Offer - Power Seat Elevator Only	Minimum of 1 system	Minimum of 2 systems	Minimum of 1 system	No	
9.) Allows Ventilator Tray	No	No	No	Yes	No	No	
10.) Drive Wheel Suspension (C)	No	No	No	Yes	Yes	No	
11.) Seat Width	16, 18"	16 to 18"	16 to 18"	16 to 18"	16 to 18"	22 to 24"	
12.) Seat Depth	16"	16"	16"	16"	16"	19 to 20"	
13.) Functional Seat Height (D)	≥ 20 and ≤ 24"	≥ 20 and ≤ 24"	≥ 20 and ≤ 24"	≥ 20 and ≤ 24"	≥ 20 and ≤ 24"	≥ 20 and ≤ 24"	
14.) Back Height	16"	16 and 18"	16 and 18"	16 and 18"	16 and 18"	16 and 18"	
15.) Allows for Settable Posterior Seat to Back Angle Adjustment	No	Yes ≥ 12 degrees	Yes ≥ 12 degrees	Yes ≥ 12 degrees	Yes ≥ 12 degrees	Yes ≥ 12 degrees	
16.) Allows for Seat Depth Adjustment	No	No	Yes ≥ 2"	Yes ≥ 2"	Yes ≥ 2"	No	
17.) Allows For Seat Height Adjustment	No	Yes ≥ 2"	Yes ≥ 2"	Yes ≥ 2"	Yes ≥ 2"	No	
18.) Maximum Speed	≥ 3 mph	≥ 3 mph	≥ 4 mph	≥ 5 mph	≥ 7 mph	≥ 3 mph	
19.) Minimum Range (E)	8 miles	10 miles	10 miles	20 miles	20 miles	8 miles	
20.) Minimum Obstacle Climb (F)	20 mm	20 mm	40 mm	40 mm	60 mm	20 mm	
21.) Maximum Rated Incline (F)	≥ 6 degrees	≥ 6 degrees	≥ 6 degrees	≥ 9 degrees	≥ 9 degrees	≥ 6 degrees	

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22.) Two Drum Fatigue Test (F)	≥ 200K cycles	≥ 200K cycles	≥ 220K cycles	≥ 220K cycles	≥ 260K cycles	≥ 200K cycles	
23.) Drop Test (F)	≥ 6,666 cycles	≥ 6,666 cycles	≥ 7,333 cycles	≥ 7,333 cycles	≥ 8,666 cycles	≥ 6,666 cycles	
24.) Frame Warranty	≥ 12 months	≥ 12 months	≥ 36 months	≥ 36 months	≥ 36 months	≥ 12 months	
25.) Motor/gearbox Warranty	≥ 12 months	≥ 12 months	≥ 12 months	≥ 12 months	≥ 12 months	≥ 12 months	
26.) Electronics Warranty	≥ 12 months	≥ 12 months	≥ 12 months	≥ 12 months	≥ 12 months	≥ 12 months	
27.) Additional code applications required		Upgrade code needed for wt capacity > 250 and < 400 lbs. May offer seat widths of ≥ 14 to 24"	Upgrade code needed for wt capacity > 250 and < 400 lbs. Must offer seat widths of ≥ 14 to 24"	Upgrade code needed for wt capacity > 250 and < 400 lbs. Must offer seat widths of ≥ 14 to 24"	Upgrade code needed for wt capacity > 250 and < 400 lbs.		

Comments:

- (A) Basic Positioning Seat- seat and back that provides for a settable posterior seat to back angle ≥ 12 degrees to accommodate thoracic kyphosis, fixed extensor contractures of the hip, etc.
- (B) Advanced Positioning Seat- system that provides for aggressive seated positioning and the mounting of secondary positioning components to meet patient's physiologic and functional needs, including any of the following: lateral thoracic supports; lateral hip supports, medial thigh supports (abduction wedge); adjustable head supports; seats and backs fabricated to patient measurement; anterior thoracic supports; anterior knee supports, etc.
- (C) Drive wheel suspension- a power wheelchair shall be considered to have suspension if the product incorporates a structural element whose primary function is to insulate the rider from drive wheel vibrations.
- (D) Functional seat height- for Captain's Chair, measurement from floor to top of most forward seat edge; for other seating, measurement from floor to top of most forward edge of seat pan plus 3"; all measurements are at 0 degree horizontal to floor.
- (E) Range- the distance the wheelchair can be driven on a single charge with manufacturer's recommended batteries.
- (F) Where applicable, criteria was based on relevant ANSI/RESNA standards. See accompanying Powered Wheelchair Code Characteristics document.