

## Wildebeest Product Information and Technical Data Sheet

### Product Information

- Product Name: Wildebeest
- Participant Product Reference Number: Wldbst
- Short Description: The Wildebeest is an all terrain, rigid wheelchair with a long wheelbase, adjustments for a custom fit, and a folding back and quick release wheels for convenient transportation.
- Supplier's Contact Details
  - Participant Assistive Products
  - PO Box 156614
  - San Francisco, CA 94115, USA
  - [www.participant.life](http://www.participant.life)
- Manufacturer's Contact Details, website product catalog
  - Zhongjin Medical Taizhou Co., Ltd.
  - No. 88 Century Rd, Jiulong Town
  - Hailing District, Taizhou City
  - Jiangsu Province, China
  - <http://www.zhjmedical.com>
- Nissin Product Reference Number: Wldbst
- Nissin Short Description: The Wildebeest is an all terrain, rigid wheelchair with a long wheelbase, adjustments for a custom fit, and a folding back and quick release wheels for convenient transportation.
- Intended Use: The Wildebeest all terrain mechanical wheelchair is intended to provide mobility to persons who enjoy rough terrain environments.
- Contact details for for person appointed for vigilance:
  - Keoke King
  - keoke@participant.life
  - 01-415-323-5965

## Technical Data Sheet

- Not a medical device per FDA
- Regulatory requirements for marketing clearance:
  - Wildebeest is approved for marketing in Japan. JIS Certificate Number - JE0409005
  - Wildebeest will enter the US market in 2024
  - MDR is planned for 2024
  - TGA is completed, ARTG:421976
- Completed Testing
  - ISO 7176:1,3,5,7,8,15
- Additional Testing
  - Conveyor belt track test calibrated to real world conditions..
  - ISWP Wheelchair Caster and Tire Test. See Springbok Wheelchair Caster and Tire Test Report Nov 9 2020.pdf
- Packaging and Logistics Information:
  - One unit per box
  - Box dimensions: 870 x 650 x 500 mm; .28 cubic meters
  - Package Weight / Gross Weight: 14 kg | 15 kg | 16 kg | 16 kg | 18 kg | 18 kg
  - Containerization
    - 40' HC - 216 Wildebeest units
    - 20' - 80 Wildebeest units
  - The HS Code for manual wheelchairs: 8713.10.0000
- Product Dimensions and weight:

Product Dimensions and Weight						
Component	mm/kg					
Seat Width	250	300	350	400	450	500
Overall Width	490	540	590	640	690	740
Overall Height	770 (Backrest at 300 mm and Front seat at 470 mm)					
Push Handle Height	750 (Backrest at 300 mm and Front seat at 470 mm)					
Overall Weight	12.1	12.8	13.5	14.3	14.7	15.5

- User Environment:

This wheelchair has been designed to accommodate both indoor and outdoor use at care facilities and private residences. The chair is capable of handling different surfaces, including dirty and uneven outdoor surfaces, but performs optimally on firm even surfaces such as concrete, asphalt and indoor flooring.

The Chair is designed to overcome a maximum obstacle height of 6” and operate safely on a slope of less than 22 degrees. Here is a video of a [Curb Drop](#) demonstration.
  
- [List of Adjustments and video bookmarks](#)
  - [Folding/Unfolding](#)
  - [Foot Support Height and Angle](#)
    - [Foot plate forward/back adjust](#)
  - [Calf Strap](#)
  - [Back Support Height](#)
  - [Backrest Recline](#)
  - [Tension Adjustable Backrest](#)
  - [Center of Gravity](#)
  - [Seat Height](#)
  - [Basic +](#)
  - [Anti Tipper Bars and Armrests](#)

- List of materials used on the Wildebeest Mechanical Wheelchair

Details and Materials For Each Component			
Component	Details	Material	
<b>Frame</b>	Rigid, back folds down to seat.	AL*	
<b>Seat and Back</b>	600 D Nylon Cordura with internal non-stretch layer.	Nylon, proprietary material.	
<b>Rear Wheel - 24" (504 mm), Standard</b>	24" pneumatic, air, tire. Wheels have quick release axles and AL push rims. 4° camber. 3 cross spoke wheels with stainless steel spokes and nipples. Aluminum rim is a standard 504-25 bicycle rim.		
Parts	Tire	24" x 1 $\frac{1}{2}$ "	Pneumatic, Air
	Bearing		6202 RS*
<b>Rear Wheel - 24" (504 mm), Optional</b>	24" pneumatic, air, tire. Wheels have quick release axles and AL push rims. 4° camber. 3 cross spoke wheels with stainless steel spokes and nipples. Aluminum rim is a standard 504-25 bicycle rim.		
Parts	Tire	24" x 2.3"	Pneumatic, Air
	Bearing		6202 RS*
<b>Front Caster Wheel</b>	8" outside diameter, 2" wide. Wheel includes a bearing weather shield.	PU*	
Parts	Tire		PU-type proprietary
	Hub		Nylon GF30
	Bearing		6202 RS
<b>Wheel Locks</b>	Pull to lock, Adjustable	Plastic, Nylon GF30	
<b>Fender</b>	Adjustable forward and backward, and height to match wheel position.	Plastic and AL	
<b>Foot Support</b>	Height, angle, and depth adjustable.	PP and AL*	

\*AL- aluminum, RS - Rubber Seal, PP - polypropylene, PU - polyurethane, EVA foam - ethylene vinyl acetate, PSD - Postural Support Device

- Labeling:
  - Bottom of Seat (standard layout example)



- Prescription Statement: Wildebeest is not a medical device and does not require ‘Over the Counter’ labeling or ‘RX’ labeling or prescription.
- Warranty Details

#### **Participant Limited Warranty**

Frame, wearing parts, and consumable parts are guaranteed to be free of defects when the undamaged packing box is first opened. Consumable parts, such as tires and bearings, are not covered by warranty after first opening of the box. Wearing parts, such as brake levers and various moving parts in the seat assembly, are covered by warranty for the first 6 months after opening of the box. The frame is covered for 3 years for folding chairs and 5 years for rigid frame chairs. Modifications to the frame, inadequate storage, abuse, or failure to do maintenance will invalidate the warranty. Parts, not shipping or labor, are covered. Warranty is only valid if Participant receives the following information: Name of user, Service Provider, product serial number. The information can be transmitted by email to: [hello@participant.life](mailto:hello@participant.life).

- Published field testing: [Product Development and Field Testing of the Wildebeest All Terrain Wheelchair](#)
- Sustainable Goals
 

Participant Assistive Products is registered as a Benefit Corporation in California and is BCorp with status pending formal review in 2022 after the required quarters of revenue. Participant’s founders chose this third party monitoring system and accountability because it contributes to our corporate culture and it shapes the expectations of our investors and workers. Our BCorp commitments will help the company stay on track to our intended social mission, as per our formal California registration documents, “to increase the participation in education, work, or social activities of people with disabilities in the United States and abroad by offering affordable assistive products.”

Some of our BCorp commitments:

- Our products are evaluated by outside experts, not only in-house tests, to confirm that products pass international quality standards and these test reports are publically available.
  - We monitor and report the actual efficacy of our products. Our participants tell us if we are succeeding in increasing their participation.
  - Our management is evaluated by our board using environmental and social metrics - as are all employees.
  - People with Disabilities and LMIC residents have influence at every level of our organization and we target >50% PWD workers. Currently, we are at 80% PWD workers and 60% LMIC residents.
  - All products have lifecycle impact assessments and focus on maximizing participation. Unlike most industry competitors, we do not do 'planned obsolescence'. Our human centered design approach is not an overlay to 'insurance coding centered design', which maximizes profits from government insurance. Our design process attempts to decrease waste, inventories, packaging, user wait times for assistive products, and our carbon footprint. Our designers seek to improve service speed, days of uninterrupted product performance per user, and days of service per dollar from the health system budget.
  - A circular approach and localization are a cornerstone of our vision. Participant is committed to localization of assembly and to a circular approach by assisting substantially with refurbishing activities. We provide upholstery drawings, supply of material, advice on choosing materials locally, local production tools, and other consulting services.
  - 5% of our net profits are donated to our non-profit partners, typically local organizations doing service provision training, so they can serve more people.
  - We all participate in the company's success. All employees receive a share of company profits as owners, regardless of where they live.
- Recommended storage/ transport conditions  
The recommended conditions are between -20 and 50 C and between 30 and 90% Relative Humidity.
  - Shelf life in months  
The Wildebeest is made of stable materials, primarily aluminum, and has no expected degradation during shelf life. The seat and back cushion are made of polyurethane foam which is sensitive to humidity and temperature. The product is packaged such that the unopened package protects the product from changes in the recommended storage environment. There is no expectation of degradation prior to the beginning of use.
  - Recommend safe and responsible method waste disposal  
The foam and upholstery are non-recyclable, household trash. The aluminum frame and steel parts are recyclable metals. The rubber tires are recyclable in some locations.

Regarding Product Lifecycle Management, the frame and metal parts are likely to be reusable by many users as they are overbuilt, exceeding ISO durability standards by 2 X, for the purpose of reliability use in adverse conditions by very active users. Most users are not so active and the lifespan may serve several users. Please reference the

notes in the UNICEF Bid Cover Letter by Participant for resources, procedures and recommendations on reuse.

- List of supporting items required but not supplied  
No additional supporting items are required.
- Sterilization  
Sterility requirements are not applicable for this product.
- Hazardous goods  
No hazardous goods or materials are in the product or packaging.