

Device Test Report Conducted by: SGS

SGS is the world's leading inspection, verification, testing and certification company.



STABILITY TEST

Setup

- Test was performed with IV stands overextended.
- Each IV stand was extended to 41 inches.
- 10 lbs weight was attached to the top of each IV stand to simulate IV bags.
- 20 lbs weight was placed close to the base of the Nezzie Ambulation Device to simulate an oxygen tank.

Performed

- The Nezzie Ambulation Device was lifted 10 degrees to check for stability.
- At 10 degrees the Nezzie Ambulation Device was checked for tip over test using an 1/2" hazard.

Result

- The Nezzie Ambulation Device was maintained its stability at a 10 degree angle.
- The Nezzie Ambulation Device did not roll over and/or tip over a 1/2" hazard at a 10 degree angle.

ULTIMATE LOAD TEST: HANGER

Setup

- Test was setup so that load is applied 2"-3" from the hanger end.

Performed

- Force vs. Deflection was recorded using a compression test machine.

Result

- Peak Force: 217.6 lbs. Deflection at Peak: 2.69".



TESTS PERFORMED:

1. Stability Test
2. Ultimate Load Test: Hanger
3. Push and Pull Force: Test
4. Ultimate Load Test : Handles
5. Ultimate Load Test : Top

ULTIMATE LOAD TEST: HANDLES

Setup

- Test was setup so that load is applied 2"-3" from the handle end.

Performed

- Force vs. Deflection was recorded using a compression test machine.

Result: Peak Force: 469.7 lbs. Deflection at Peak: 2.71".

PUSH AND PULL FORCE: TEST

Setup

- Test was performed with increments of load on the tray shelf of the Nezzie Ambulation Device.
- Static and Kinetic force was recorded using a force gauge.

Performed

- For pull force - static and kinetic force was recorded with weight increments on the tray shelf of the Nezzie Ambulation Device.
- For push force - static and kinetic force was recorded with weight decrements on the tray shelf of the Nezzie Ambulation Device.

Result

PUSH

Weight (lbs)	Static (lbs)	Kinetic (lbs)
20	2.8	2.4
40	3.0	1.6
60	3.6	1.8
80	6.4	3.4
100	5.2	3.4
150	6.0	5.4
200	7.2	4.8

PULL

Weight (lbs)	Static (lbs)	Kinetic (lbs)
200	5.2	4.4
150	5.4	2.6
100	4.6	2.4
50	4.4	1.6
20	3.6	0.8

**Note:

- Static force is considered as force required to start the Nezzie Ambulation Device rolling.
- Kinetic force is considered as force required keep the Nezzie Ambulation Device rolling.

ULTIMATE LOAD TEST: TOP

Setup

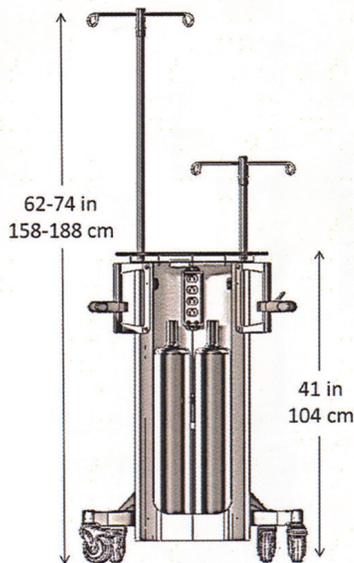
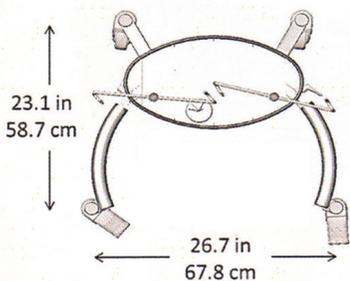
- Test was setup so that load is applied 1" from the test edge.

Performed

- Force vs. Deflection was recorded using a compression test machine.

Result

- Peak Force: 695.0 lbs. Deflection at Peak: 0.94".



Dimensions and Weight

Width: 26.7 in (67.8cm)
Depth: 23.1 in (58.7cm)
Weight: 60 lbs (27.21Kg)

Construction

Main Frame, Powder coated 18 GA CRS
Base, Powder coated Steel Tube Base,
14 GA Casters, 4" Total lock (2 ea.),
TPR, 2x4" Swivel (2 ea.)
IV Pole: 0.875", 18 GA Stainless Steel

Accessories/Options

Medical Grade Power Strip (For use in
patient care vicinity)
3-ft. coiled cord (extends to 10-ft.)
120V AC, 50/60Hz, 15A
Tested to comply UL1363A & UL60601-1
4 hospital-grade receptacles and
hospital-grade plug
Powder coated finish
IV Hook configuration: 2-HK, 4-HK or
RakeHook

Features

- Mobile, low profile, versatile and compact
- IV Poles are adjustable (with True Lock Knob) and removable
- Height (IV Pole extended): 74 in (188cm) Height (IV Pole collapsed): 62 in (158cm)
- Height adjustable and retractable handle; Height adjustment: 5 in
- Holds two oxygen cylinders (M-24 or E size) within the housing
- Consolidates all devices (IV pumps, collection cannisters, monitors, etc.)
- Eliminates tipping and meets ISO11199-3 standards for safety
- Compact design allows 360 degree pivoting in tight spaces