

QUALITY TEST



WHEEL DURABILITY

- 1.20m linear travel
- Smooth surface - 50,000 cycles (2.40m cycle)
- Load: 50 kg
- Speed: 0.24m/s (0.864 km/h)

CORRECT RESULT: no looseness, no breakage, no loss of parts, no defects in moving parts.

STATIC BASE RESISTANCE

- Test 1.5 x max. load 50kg
- Load: 75kg
- Duration: 1 hour

CORRECT RESULT: no deformation, no breakage, moving parts in perfect condition.

DYNAMIC BASE RESISTANCE

- Test: 5kg mass drop
- Height: 0.5 m
- Spacing: centre base basket

CORRECT RESULT: no breakage in base area

DRAG HANDLE RESISTANCE

- Test: Lifting of the basket by pulling handle
- Load: 25 kg
- Duration: 1 hour

CORRECT RESULT: no deformation.

LONGITUDINAL HANDLE RESISTANCE

- Test: Lifting of basket by longitudinal handle
- Load: 50 kg
- Duration: 1 hour

CORRECT RESULT: no deformation.

TORSIONAL HANDLE RESISTANCE

- Test: Grip force to rotation
- Load: 50 kg
- Force: up to 35N both directions

OK RESULT: functionality of the handle undamaged

RESISTANCE STABILITY

- Test: stability with stacking 10 baskets
- Inclination: 5 degrees in both directions
- Duration: 1 hour
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CORRECT RESULT: Stable. No tipping in any position.

