



## Top End® Excelerator XLT™ Jr. Handcycle Specifications

**Frame** – 2.5 x .065" ovalized 6061 aluminum aircraft tubing.

**Frame Design** – Single main tube, recumbent position.

**Fork Assembly** – 4130 Chrome-moly for strength/stiffness. Raked angle for cornering stability.

**Wheelbase** – Overall length 64".

**Weight** – Overall weight 30 – 35 lb.

**Turning Radius** – 10 feet for 360° circle.

**Static Tip Angle** - 39° for 250 lbs. subject.

**Transfer Seat Height** – Seat height front w/o cushion is 12" and rear seat height is 10" w/o cushion.

**Back Style/Height**-Standard narrow back is 7" wide. Back height is fixed at 16.5".

**Upholstery** – Nylon w/hook and loop adjustable tension seat sling and seat back. Seat restraint included.

**Crankset** – Sugino 155mm w/chainring, adjustable height. Includes chain tension idler.

**Chainguard**- Black plastic.

**Steering** – Pivot steering w/raked fork for controlled turning and stability. Road crown compensator is standard.

**Standard Propulsion System** - -150mm Crankset w/one chainring, adjustable height crank, Shimano 7 speed front hub w/internal hub brake and 7 speed twist shifter.

Braking System – Shimano internal drum brake (coaster brake) and Shimano CN-HG50 Chain, activated by pedaling backwards.

**Gear Shifter**- Shimano Tourney revoshifter indexed twist grip with gear display. For customers with limited hand function the Quad twist shifter option, a 3 pronged adaptation that is secured around the twist shifter is recommended.

**Handles** – Foam covered horizontal handles are easier for young users to operate. Foam covered vertical ergonomic handles offer good hand position for older children.

**Optional Handles** – Gloves secure quadriplegic's hand. Tri-pin quad handles offer a 3 point contact (the same are used in driving a car) and also allow customer to get on/off of handles independently, as to changes gears, etc.

**Parking Brake** – Caliper brake with locking lever.

**Footrest** – Multi-adjustable for and aft w/straps to securely cradle calves and feet. Leg guard attachments are recommended for persons who have no leg movement. The leg guard option will protect the legs from getting into the chain.

**Performance Wheels** – Rear hubs are precision heat treated, silver anodized w/quick release stainless axles. Quick release axles are easiest for transporting the handcycle. 20" x 1.75" treaded Tire,  
20 x 1.5" Tube 40 psi,  
20" Spoke Wheels

**Camber** - 15° for stability.

**Recommended Options** – Helmet, Cushion, and Water Bottle and Cage(as this is custom to fit on this bike).

**Warranty** – 3 year on frame to original owner / limited parts warranty.

**Assembly** – Shipped completely assembled except for rear wheels. Shipping weight is 50 lb.

### Options

- Cordless Computer/Speedometer
- Water Bottle and Cage
- Helmet
- Tri-pin handles
- Quad twist shift adaptation
- Quad Cuffs and Gloves
- Safety Lights, Mirror and Flag
- Leg Guard Attachment
- Crutch Holder
- Bike Rack
- Cushion
- Towbar for Wheelchair
- Backpack hydration System
- Alignment Gauge

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### TOP END

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