

# Invacare Top End<sup>®</sup> Excelerator<sup>™</sup> XLT Gold Handcycle

## Price List and Order Form

Effective July 1, 2003 Revised July 1, 2008



For accuracy of ordering, please fax order to Top End at 727-522-1007 or e-mail to TopEndOrders@invacare.com

For questions call: 800-532-8677 or 727-522-8677

To order Literature: 800-828-6282

www.topendwheelchair.com

Provider Name \_\_\_\_\_ Date \_\_\_\_\_ Top End Job Number \_\_\_\_\_  
 Account # \_\_\_\_\_ P.O. # \_\_\_\_\_ Phone # \_\_\_\_\_ Fax # \_\_\_\_\_  
 Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 Customer Name \_\_\_\_\_ Phone No \_\_\_\_\_  
 Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Ship order to:  Provider  Customer Order will ship to Provider unless otherwise noted.

### CHAIR TYPE

XLTGO Top End Excelerator XLT Gold Handcycle .....\$3995.00

#### Includes:

- Travel-ready aluminum frame/chrome-moly fork
- Top End S w/integral pedal bearings
- Ovalized ergonomic handpedals
- Adjustable back angle
- Adjustable crank height
- 27 speed/ 48-40-28 chainrings/11-32 cassette
- Rapid fire hands-on shifters/braking system
- Performance wheels/QR or threaded axles
- 9° camber /18" wide axle tube
- Steering dampener
- Reflectors
- Chain guard
- Parking brake
- Chest strap
- Multi-adjustable leg rests with safety straps
- Clamp-on Chain Guard

1. Seat Width:  14"  15"  16"  17"  18"
2. Back Style: (choose one)
  - Low: 12" high
  - High: 16-20" high (adjustable) Set at \_\_\_\_" (factory set at 18")
3. Propulsion and Braking System: (see page 2 for ordering specifications)
  - 11-32 cassette – operated by hands-on Rapid Fire shifter/brake located on right handpedal.
  - 48-40-28 chainring – operated by manual derailleur systems.
  - Second brake / parking brake mounted on frame.
  - XLT41 Chaining Option 53 – 40 .....100.00
4. Top End Cranks: (see page 2 for ordering specifications)
  - S Crank (choose length and width)
    - Length:  200mm  220 mm
    - Width:  24"  26"
5. Performance Wheels (choose one)
  - 26" High performance wheels/hi pressure clincher tires
  - 24" Off road wheels/knobby clincher tires
  - 24" Cruiser wheel/cruiser clincher tires
  - XCL22 Thorn resistant tire protector.....50.00
6. Axles (choose one)
  - Quick Release
  - 1/2" Threaded

### FRAME COLOR AND UPHOLSTERY

UPHOLSTERY  Black (standard)  UPH1 Camouflage ...100.00

#### CONTEMPORARY COLORS

- Wet Black  Black Prism  White Snow
- Silver Metallic  Silver Vein  Copper Penny

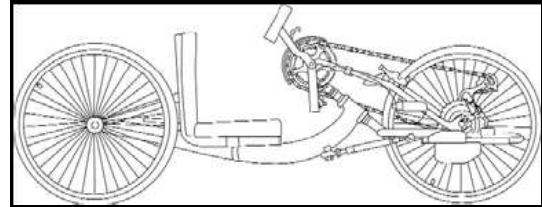
#### WAY COOL COLORS

- Electric Blue  Midnight Blue  Cosmic Blue
- Electric Teal  Emerald Green  Grasshopper Green

#### TOO HOT COLORS

- Tangerine Red  Electric Red  Grape Madness
- Safety Yellow  Sunkissed Orange  Fruit Fusion

### Top End Excelerator XLT Gold Handcycle



250 lb. Weight Limit

#### AERODYNAMIC WHEEL UPGRADE (see page 2)

(std. dynamo not included) Threaded axles only

- XLT43 Spinergy<sup>®</sup> 26" carbon rim w/white spokes.... 1,850.00 (Clincher only)
- XLT45 Zipp<sup>®</sup> 404 26: Carbon rim/steel ovalized spokes 3,250.00
  - Clincher  Tubular
- XLT3 Tri spoke 26" carbon fiber (see page 2).....3000.00
  - Clincher  Tubular
- XLT50 Zipp<sup>®</sup> Time Trial Package ..... 3,750.00  
 Front wheel: Zipp 404/ Rear Wheels: Zipp Disc (tubular)

#### SAFETY & COMFORT OPTIONS

- XLT12 Mirror..... 30.00
- XLT13 Water bottle and cage..... 35.00
- XLT28 Backpack hydration system..... 100.00
- XLT14 Cordless computer..... 125.00
- XLT141 Heart Rate Monitor..... 100.00
- XLT15 Helmet..... 75.00
  - Small (6-5/8" – 7")
  - Medium (6-7/8" – 7-1/2")
  - Large (7-1/4" – 7-5/8")
- XLT16 Safety flag ..... 30.00
- XLT6 Front safety light ..... 25.00
- XLT7 Rear flashing light ..... 25.00
- XLT17 Crutch holder and strap ..... 125.00
- XLT18 Seat cushion ..... 75.00
- XLT19 Tow bar for wheelchair ..... 250.00
- XLT20 Bike rack for trailer high ..... 450.00
  - 1-1/4" (std)  2"
- XLT33 Alignment gauge ..... 75.00
- XLT39 Drafting bumper ..... 150.00
- XLT40 Cable kit ..... 35.00
- XLT42 Indoor training roller ..... 250.00
- TER126 Click strap large (pad length~12") ..... 86.00
- TER125 Click strap med (pad length~10").....80.00
- TER124 Click strap small (pad length~8").....75.00
- Race22 T-shirt  L  XL ..... 10.00 <sup>1</sup>

Special Instructions: \_\_\_\_\_

#### FOOTNOTES

<sup>1</sup> Dealer discount does not apply.

**Top End® Excelerator™ XLT Gold Handcycle**  
Handcycle Specifications

**Frame** – Ovalized 6061 aluminum aircraft tubing.

**Travel – Ready Removable Fork/Camber Tube** – allows for quick assembly/disassembly for travel.

**Frame Design** – Single main tube w/welded seat, recumbent style, and adjustable back angle.

**Fork Assembly** – 4130 Chrome-moly for strength/stiffness.

**Wheelbase** – Overall length 80".

**Weight** – Overall weight 27 – 32 lb.

**Turning Radius** – 18 feet for 360° circle, 12 feet w/one backing maneuver.

**Static Tip Angle** – 39° for 250 lb subject.

**Transfer Seat Height** – 9".

**Seat** – Adjustable forwards/backwards.

**Back Style** – **Low** is recommended for low level injuries LI and below who want to use their body in the trunk powered position. There is significant body movement in this position. **High** back is recommended for high level injuries T-12 and above who have balance issues. Selection may vary depending on fitness levels.

**Back Angle** – Adjustable angel back of 50° - 90°.

**Shifting/Braking and Parking Brake Systems:** - Good hand function is needed.

**Propulsion System** – Features a combination of Shimano and Top End components, 27 speeds, 48-40-28 chain rings and 11/32 cassette. The 11/32 cassette is operated by the Hands-On Rapid Fire unit which is mounted on the right handpedal. It operates both the 11/32 cassette and the hands-on brake. The manual derailleur operates the top chainrings utilizing a manual system which eliminates cables and their maintenance. A parking brake/second brake is mounted on the left side of frame.

**Crankset** – Top End S crankset with integral pedal bearings are standard. To choose the width of the crank, consider the end user's shoulder width and leg clearance. For most women a width of 24" is recommended and for men 26". The width is measured horizontally center to center to the point at the middle of the handpedal. Length of crankset depends on the length of the arms and amount of body movement. 200mm is the most common and recommended length. The length is measured perpendicular from the center of the crank to the center of the handpedal spindle.

**Crank** – Adjustable height.

**Steering** – Pivot steering and raked fork for controlled turning and stability.

**Handpedals** – Handpedals are made of lightweight aluminum and are ovalized to precisely fit the hand. The bearings which allow the pedal to rotate while pedaling are located in the crankset and not in the pedal, which makes this pedal very comfortable.

**Footrest** – Multi-adjustable fore and aft w/straps to securely cradle calves and feet. Straps are 4" wide and feature safety straps for ankles.

**Performance Wheels** – Rear hubs are precision heat treated, black, anodized w/quick release stainless axles or optional ½" threaded axles. Quick release axles are easiest for transporting the handcycle, but the threaded axles will offer more performance. Threaded axles screw into the receiver w/allen wrench. 14 gauge stainless steel spokes. There are 3 standard wheel options:  
26" High Performance Wheels, Sun Metal Rims  
26" x 1" High Performance Clincher Tire/Tube 100 psi  
24" Off Road wheels, Sun Metal AT-18 Alloy 24 x 1.5 Rims  
24" x 1.75" Heavy Threaded Tire, 24 x 1.5 Tube 40 – 65 psi  
24" Cruiser wheels, Sun Metal AT-18 Alloy 24 x 1.5 Rims  
24" x 1.75" Threaded Tire, 24 x 1.5 Tube 40- 65 psi

**Aerodynamic Wheel Upgrades**

1. 26" (S71) Tri Spoke Carbon Fiber wheels are available w/tubular tires or clincher. Rims are aluminum. Wheels not legal for use in IPC sanctioned road races.
2. 26" Spinergy® Tiliium Wheels w/Carbon, aluminum rims and white spokes, Clincher tires only.
3. 26" Zipp® 404 Wheels w/Carbon/Graphite composite rim and stainless ovalized spokes.
4. 26" Zipp® Time Trial Package: Zipp® 404 Front Wheel, Zipp® Disc Rear Wheels. (Zipp® Disc wheels not legal for use in mass start races. Time trial only.)

**Camber** - 9° for stability.

**Axles** – Choose quick release or ½" threaded. Quick releases are great for transporting the handcycle. The ½" threaded are recommended for competitive use and secure the wheel tightly to the axle tube. An allen wrench is included with the ½" axle choice.

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

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

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

**Assembly** – Shipped completely assembled except for rear wheels. Shipping weight is 65 - 70 lbs.

**Options** – See front of form or call for details and photos.



**Invacare Corporation**  
**TOP END**  
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Products  
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