

# Invacare® Top End® Excelerator™ XLT Gold Handcycle



**Price List and Order Form** Effective July 1, 2003 Revised January 1, 2006

For accuracy of ordering, fax your order to Top End at 727-522-1007.

For questions call 1800-532-8677 or 727-522-8677.

To order Literature: 800-828-6282

www.invacare.com

**Yes, you can.™**

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** Invacare Top End Excelerator XLT Gold Handcycle.....\$3,795.00 \_\_\_\_\_  
 **XLT26** Fixed Seat Frame (exact specifications required).....500.00 \_\_\_\_\_

**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

**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 system.
- Second brake / parking brake mounted on frame.

**XLT41** Chaining Option 53-40-28.....100.00 \_\_\_\_\_

**4. Top End Cranks: (see page 2 for ordering specifications)**

S Crank (choose length and width)  
 Length:  200 mm  220 mm  
 Width:  24"  26"

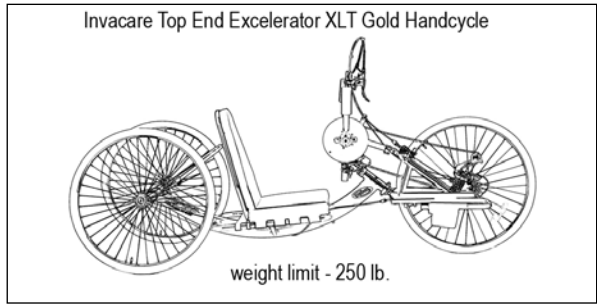
**5. Performance Wheels (choose one)**

- 26" High performance wheels/hi pressure clincher tires
- 24" Off road wheels/knobby clincher tires
- 24" Cruiser wheels/cruiser clincher tires

**XCL22** Thorn resistant tire protector.....50.00 \_\_\_\_\_

**6. Axles (choose one)**

Quick release  1/2" Threaded



**Aerodynamic wheel upgrade (see page 2) (std. wheels not included) Threaded axles only**

**XLT 3** Tri spoke 26" carbon fiber.....\$2,250.00 \_\_\_\_\_  
 Clincher  Tubular

**XLT23** Corima® 4 spoke 26" carbon fiber....3,500.00 \_\_\_\_\_  
 Tubular

**XLT43** Spinergy® 26" carbon rim w/ white spokes .....1850.00 \_\_\_\_\_

**XLT45** Zipp 404 26" Carbon rim/steel ovalized spokes  
 Clincher  Tubular.....\$3,000.00 \_\_\_\_\_

**Titanium options**

**XLT36** Titanium fork and crank/bottom bracket housing w/adjustable height.....1000.00 \_\_\_\_\_

**XLT44** Titanium fork and crank/bottom bracket housing w/fixed height .....1250.00 \_\_\_\_\_  
 (specifications needed)

**Safety & comfort options**

**XLT12** Mirror .....30.00 \_\_\_\_\_  
 **XLT13** Water bottle & cage.....35.00 \_\_\_\_\_  
 **XLT28** Backpack hydration system..100.00 \_\_\_\_\_  
 **XLT14** Cordless computer.....125.00 \_\_\_\_\_  
 **XLT15** Helmet.....75.00 \_\_\_\_\_  
 Small (6<sup>5</sup>/<sub>8</sub>" - 7")  
 Medium (6<sup>7</sup>/<sub>8</sub>" - 7<sup>1</sup>/<sub>2</sub>")  
 Large (7<sup>1</sup>/<sub>4</sub>" - 7<sup>5</sup>/<sub>8</sub>")

**XLT16** Safety flag .....30.00 \_\_\_\_\_  
 **XLT6** Front safety light.....25.00 \_\_\_\_\_  
 **XLT7** Rear flashing light.....25.00 \_\_\_\_\_  
 **XLT17** Crutch holder & strap.....125.00 \_\_\_\_\_  
 **XLT18** Seat cushion .....75.00 \_\_\_\_\_  
 **XLT19** Tow bar for wheelchair.....250.00 \_\_\_\_\_  
 **XLT20** Bike rack for trailer hitch .....350.00 \_\_\_\_\_  
 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 \_\_\_\_\_

**Frame Color**

**CONTEMPORARY COLORS**

Wet Black  Black Prism  Midnight Blue  
 Silver Metallic  Silver Vein

**WAY COOL COLORS**

Electric Blue  Lolly Pop Blue  Cosmic Blue  
 Celestial Purple  Vivid Violet  Electric Teal  
 Emerald Green  Shamrock Green  Grasshopper Green

**TOO HOT COLORS**

Tangerine Red  Electric Red  Grape Madness  
 Sunny Yellow  Sunkissed Orange  
 Fruit Fusion  Bubble Gum Pink

**Special instructions**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Total** \_\_\_\_\_

All prices subject to change w/o notice. All prices in U.S. Dollars. All orders F.O.B. Pinellas Park, Florida, USA  
 For the most current pricing information refer to www.invacare.com.

# Invacare® Top End® Excelerator™ XLT Gold 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 lbs.

**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 L1 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 angle 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 or V 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 1/2" 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" (571) 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. Corima® 4 Spoke wheels 26" (571). Rims are Carbon Fiber. Cannot continue ride if flat tire occurs with this wheel. Available with tubular or clincher tires. Wheels not legal for use in IPC sanctioned road races.
3. 26" Spinergy Tiliium Wheels w/Carbon and aluminum rims and white spokes. Clincher tires only.
4. 26" Zipp 404 Wheels w/Carbon/graphite composite rim and stainless ovalized spokes.

**Camber** - 9° for stability.

**Axles** - Choose quick release or 1/2" threaded. Quick release are great for transporting the handcycle. The 1/2" threaded are recommended for competitive use and secure the wheel tightly to the axle tube. An allen wrench is included with the 1/2" 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 [www.invacare.com](http://www.invacare.com)



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Form No. 02-095  
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