

INVACARE®  
**TOP END®**  
SPORT AND RECREATION PRODUCTS

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**INVACARE®**

**TOP END®**

**SPORT AND RECREATION PRODUCTS**

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In 1986, Invacare Top End was born when founder and designer Chris Peterson began building racing chairs in a small machine shop in Florida. Top End was acquired by Invacare in 1995. The company is now recognized worldwide as the leading manufacturer of high performance mobility products. For more than 28 years, Invacare Top End's mission has remained the same – to be the innovator in sports, recreation and everyday equipment by combining cutting edge materials, engineering advancement and the will to push the boundaries. Invacare Top End's athletes and customers help to achieve this mission by demanding stronger, lighter, faster and more efficient products.

Invacare Top End innovation is the result of a desire to outperform the limits that seemed insurmountable. Innovation starts and ends with the frame, the core of the wheelchair. While significant emphasis is often placed on material choices, the true foundation of the frame is its geometry. Invacare Top End has spent over 28 years perfecting the mathematics that translate into performance and these wheelchairs have a ride and handling that is absolutely legendary.



INVACARE®  
**TOP END®**  
SPORT AND RECREATION PRODUCTS

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INVACARE® TOP END®  
**ELIMINATOR™ OSR**  
RACING WHEELCHAIR

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The **Invacare® Top End® Eliminator™ OSR Racing Wheelchair** is designed for speed. The super-stiff roll-formed horizontal maintube, combined with a relaxed headtube angle for exceptional stability and aerodynamics, make it the choice of champion racers like Ernst van Dyk, Krige Schabort, Kurt Fearnley, Chantal Petitclerc and Edith Hunkeler. So, if you have your sights set on winning, the Eliminator OSR racing wheelchair will help you get to the finish line first.

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## Features

6061 T6 oval tube custom aluminum frame  
Integral wrap-around fenders  
4 cage designs: V, Open-V, U or I-cage  
Kneeling, amputee or traditional upholstery  
700C or 26" high performance rear wheels  
Caliper hand brake  
Aluminum side panels  
Straight axle tube with rear wheel alignment  
Aluminum fork  
Precision track compensator system

20" front wheel with tubular tire  
Rubber-coated 3/8" diameter aluminum rims  
Aero bars  
Powder coat paint  
250 lb. weight capacity



1. I-cage
2. Open-V cage shown with cut-out axle option
3. V cage
4. U cage shown with knee plate
5. Oversized rake for maximum speed and cornering
6. Precision track compensator system

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## Options

Carbon fiber rear wheels  
Corima™ carbon fiber front wheel  
Alignment gauge  
Wheel bag  
Solid seat/kneel plate  
Fixed footrest

Cushion  
Cordless speedometer  
Helmet  
18" front wheel



INVACARE® TOP END®  
**CROSSFIRE™**  
**ALL TERRAIN**  
**WHEELCHAIR**



The **Invacare® Top End® Crossfire™ All Terrain Wheelchair** is the monster truck of wheelchairs and is designed to leave some serious tracks. Do you like to hike, fish, camp, hunt, kayak, garden or go to the beach? You can do it all with the Crossfire All Terrain Wheelchair. Built of 6061 T6 Aluminum, it is equipped with enormous 25" x 2.75" knobby wheels and huge 8" x 2" front casters for extreme traction. The Crossfire All Terrain Wheelchair is engineered with mega ground clearance, plus forward and side-to-side stability so that you can conquer the toughest terrain.

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## Features

6061 T6 Aluminum frame  
Adjustable center-of-gravity  
Camber 0-9°  
Lock down folding back  
Adjustable back height  
Adjustable tension seat upholstery  
Adjustable tension back upholstery

24" or 25" high performance Sun® wheels  
Hard anodized handrims  
24" or 25" x 2.75" knobby tires  
8" x 2" front casters  
Adjustable height and angle footplate  
Powder coat paint  
250 lb. weight capacity

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## Model #: CRFAT



1. 24" or 25" x 2.75" knobby wheels and tires
2. 8" x 2" front casters
3. Engineered for front and side-to-side stability
4. Center-of-gravity adjustment
5. Anti-tip option
6. Optional push handles, wheel locks and anti-tip bars

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## Options

Spinergy® Spox wheels  
Quad release axles  
Titanium axles  
Coated pushrims  
Titanium handrims  
Natural Fit® handrims  
Fixed back  
Push handles  
Carbon fiber sideguards

Removeable sideguards  
Folding sideguards  
Wheel locks  
Positioning straps  
Alignment gauge  
Footplate risers  
2" cushion  
Anti-tip bars



INVACARE® TOP END®  
**PRO™ -2**  
ALL SPORT WHEELCHAIR



The **Invacare® Top End® Pro™-2 All Sport Wheelchair** is all about sports. If you want to get into the game, this is the chair for you. Just name it: basketball, tennis, softball, table tennis, badminton, floor hockey or any other sport that is played on a court and the Top End Pro-2 Wheelchair can get you started. The Pro-2 All Sport Wheelchair is offered in three seat widths with lots of adjustments which is perfect for clubs and aspiring athletes. Get in the game.

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## Features

Aluminum frame: choice of 3 seat widths

Adjustable seat depth 13"-17"

Screw on seat upholstery

Adjustable front and rear seat heights

Adjustable clamp-on tubular recessed footrest

Adjustable center of gravity

Removable single swivel anti-tip bar

Camber: 15°

25" High performance wheels with high pressure clincher tires

Quick release axles

Non-folding adjustable back: angle and height

Adjustable tension back upholstery

Aluminum side guards

Cushion

Positioning strap

Rear frame protectors

250 lb. weight capacity

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## Model #: P2AS



1. Pro-2 All Sport Wheelchair welded bumper/recessed footrest

2. Adjustable seat depth: 13" - 17"

3. Removable single swivel anti-tip bar

4. Adjustable seat height: front and rear

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## Options

Basketball carrying bag

Click straps

Metal O-Ring positioning belt

Extra seat cushion

Note: Some assembly is required.

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INVACARE® TOP END®  
**PRO™**  
BASKETBALL WHEELCHAIR



The **Invacare® Top End® Pro™ Basketball Wheelchair** delivers custom-built performance with adjustments that take only minutes. Perfect for competitors still dialing in their game.

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## Features

Custom aluminum frame

Offensive 4 bend wing

Adjustable front and rear seat heights

Anti-tip/fifth wheel: Adjustable height

Fixed back

Adjustable back height

Adjustable tension back upholstery

Adjustable Center-of-Gravity

Rear seat height adjustment range is 6" and the frame is available in a tall or short variety to accommodate every aspiring athlete

Fixed camber: 15°, 18° or 20°

High performance Sun® wheels

Anodized pushrims

High pressure clincher tires

Smart fork caster system

72mm casters

Adjustable platform footrest

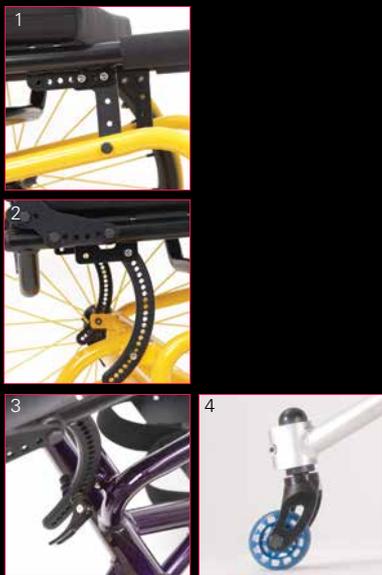
Powder coat paint

250 lb. weight capacity

Quick release lever allows the player to change his or her rear seat height in just minutes

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## Model #: SPBB



1. Front seat height and Center-of-Gravity adjustments
  2. Rear seat height adjustment
  3. Quick release lever
  4. Single swivel fixed fifth wheel
- 

## Options

Clamp-on fixed aluminum side guards

Spinergy® SLX wheels

Sun® Equalizer™ wheels

12 tab pushrims

Kenda® tires

O-Ring positioning belt

Close mount/cut pushrim tab

Click straps

Spoke guards

Frame protectors

Alignment gauge

Double swivel anti-tip bar

Cushion: soft or hard

Folding back

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INVACARE® TOP END®  
**SCHULTE 7000 SERIES**  
BASKETBALL WHEELCHAIR



The **Invacare® Top End® Schulte 7000 Series Basketball Wheelchair** is faster, lighter, stronger and better than ever. In 2011 it hit the market with new material, enhanced headtube design and axle securing system, reducing overall weight by two pounds and improving performance. Each Schulte 7000 Series Wheelchair is custom built to each individual athlete's specifications and is overseen by Paul Schulte who is the design engineer for Invacare Top End and the Captain of the USA National Men's Wheelchair Basketball Team.

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## Features

Custom-built fixed frame in 7005 aluminum

Adjustable height fixed swivel anti-tip 58mm fifth wheel

Fixed back with fixed or adjustable height

Adjustable tension seat and back upholstery

Fixed axle position with fixed wheelbase

Fixed camber: 15°, 18° or 20°

High performance Sun® wheels: 24", 25", 26" or 700C

Four bed offensive wing

Anodized pushrims

High pressure clincher tires

Precision fork caster system

72mm casters

Adjustable height tubular footrest

Powder coat paint

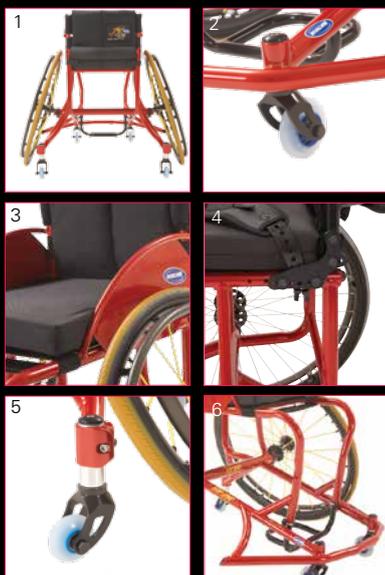
Rear frame protector

Axle securing system

250 lb. weight capacity

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## Model #: PS7



1. Double swivel anti-tip/ fifth wheel option
2. Precision fork caster system
3. Optional welded fixed tube sideguard
4. Adjustable center-of-gravity option
5. Adjustable height fixed swivel anti-tip
6. 7005 Aluminum heat treating process

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## Options

Adjustable Center-of-Gravity

Spinergy® SLX wheels

Sun® Equalizer™ wheels

12 tab pushrims

Tapered seat width

Welded seat rigidizer bars with solid seat

Double swivel anti-tip/fifth wheel

Click straps

Double amputee front-end

Recessed platform footrest

Adjustable angle footrest

Clamp-on fixed aluminum side guards

Fixed side guards with welded tube

Fixed aluminum or carbon fiber side guards

Titanium axles

Titanium pushrims

Front frame protectors

Alignment gauge



# INVACARE® TOP END® PRO™ TENNIS WHEELCHAIR



For new players, adjustability is key. The **Invacare® Top End® Pro™ Tennis Wheelchair** has just that, featuring adjustable front and rear seat heights, center-of-gravity, footrest angle/height, backrest angle/height and anti-tip. Plus, the Invacare Top End Pro Tennis Wheelchair is available in two frame height choices: short or tall. The short frame is ideal for children and the tall frame is for adults, which makes this chair a great choice for programs that have multiple users. Adjusts in minutes, super easy to use, lightweight and durable. This chair is a winner.

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## Features

Adjustable front and rear seat heights  
Anti-tip/5th wheel: Adjustable height  
Fixed back  
Adjustable back height  
Adjustable tension back upholstery  
Adjustable Center-of-Gravity  
Fixed camber 15°, 18° or 20°  
High performance Sun® wheels:  
24", 25", 26"

Anodized pushrims  
High pressure clincher tires  
Smart fork caster system  
72mm casters  
Adjustable platform footrest  
Powder coat paint  
250 lb. weight capacity

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## Model #: SPTN



1. Front seat height and Center of Gravity adjustments
2. Rear seat height adjustment
3. Quick release lever
4. Single swivel fixed fifth wheel

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## Options

Clamp-on fixed aluminum side guards  
Spinergy® SLX wheels  
Sun® Equalizer™ wheels  
12 tab pushrims  
Kenda® tires  
Click straps  
O-ring positioning belt

Spoke guards  
Frame protectors  
Alignment gauge  
Telescoping anti-tip bar  
Cushion  
Folding Back  
Fold-in side guards



INVACARE® TOP END®  
**T-5 7000 SERIES**  
TENNIS WHEELCHAIR



The **Invacare® Top End® T-5 7000 Series Tennis Wheelchair** is faster, lighter, stronger and better than ever. In 2011 it hit the market with new material, enhanced headtube design and axle securing system, reducing overall weight by two pounds and improving performance. Each Top End T-5 7000 Series Tennis Chair is custom built to each individual athlete's specifications and is overseen by Paul Schulte who is the design engineer for Top End and the Captain of the USA National Men's Wheelchair Basketball Team.

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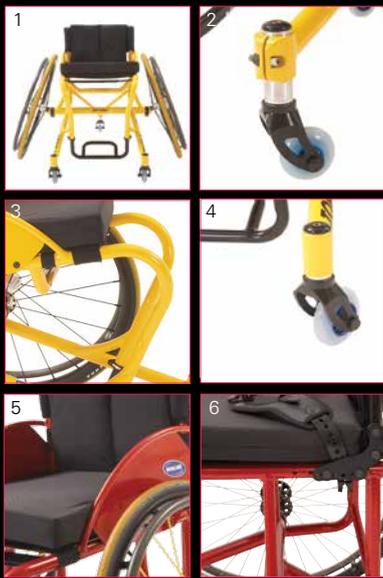
## Features

Custom-built fixed frame in 7005 aluminum  
Adjustable height fixed swivel anti-tip  
58mm fifth wheel  
Fixed back with fixed or adjustable height  
Adjustable tension seat and back upholstery  
Fixed axle position with fixed wheelbase  
Fixed camber: 15°, 18° or 20°  
High performance Sun® wheels:  
24", 25", 26" or 700C  
Four bed offensive wing

Anodized pushrims  
High pressure clincher tires  
Precision fork caster system  
72mm casters  
Adjustable height tubular footrest  
Powder coat paint  
Rear frame protector  
Axle securing system  
250 lb. weight capacity

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## Model #: T57



1. Custom front frame angle and tubular footrest
  2. Adjustable height fixed swivel anti-tip
  3. 7005 aluminum heat treating process
  4. Precision fork caster system
  5. Optional welded fixed tube sideguards
  6. Adjustable center-of-gravity option
- 

## Options

Spinergy® SLX wheels  
Sun Fusion wheels  
Adjustable Center-of-Gravity  
Welded seat rigidizer bars with solid seat  
Telescoping removable anti-tip bar  
Click straps  
Bolt-on fixed side guards  
Fixed side guards with welded tube  
Fixed aluminum or carbon fiber side guards  
Titanium axles  
Titanium pushrims

Coated pushrims  
Footrest covers  
Frame protectors  
Custom strapping/toe clips  
Alignment gauge  
Adjustable angle footplate/toe clips  
Recessed platform footplate with toe stops/footrest strap  
Kenda® tires  
Close mount/Cut pushrim tab  
O-ring positioning belt

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INVACARE® TOP END®  
**XLT**  
HANDCYCLE



If recreation is your goal, the **Invacare® Top End® XLT Handcycle** is great fun and features low maintenance 7 speed hubs with reverse hands-on braking. Just get out there and go! All Invacare Top End recreation handcycles are equipped with a safety flag, full composite chain guard, cushion and seat/chest restraint, as standard, for extra value, comfort and safety.

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The **Invacare® Top End® XLT Handcycle** is designed with the recreational handcycling enthusiast in mind. Equipped with seven speeds, the XLT handcycle will easily handle most terrain, whether it's riding around town or taking a spin in the country. The lightweight, oval tube aluminum XLT frame with chrome-moly steel fork features simple geometry for maximum stiffness and easy cornering. The seat and back are totally adjustable for a comfortable fit. The narrow rear-end enhances aerodynamics and the 15° of camber increases stability. If you want a great way to exercise, cross-train or just have fun, choose the XLT handcycle.

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**Model #: XLT**



1. Twist Shifter
2. Quad Twist shifting



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**Features**

Choice of 15" wide or 17" wide seat widths  
6061 Aluminum frame/chrome-moly fork  
Adjustable seat, back angle and crank height  
Full chain guard, chain tension idler and safety flag  
Adjustable footrest system with safety straps  
Seat and back cushions with chest restraint  
Shimano® 7 speed hub with reversing drum brake  
175 mm crankset with one chain ring  
Quad Twist shifter option helps those with hand impairments

Frictionless ovalized ergonomic hand pedals  
Parking brake  
26" High Performance wheels  
High pressure clincher tires  
Quick release axles  
15° camber  
Road crown compensator  
Reflectors  
250 lb. weight capacity  
Many options and aftermarket accessories are available



INVACARE® TOP END®  
**XLT JR.**  
HANDCYCLE



The **Invacare® Top End® XLT Jr. Handcycle** is built just for kids or small adults with 20" wheels and 7 speeds. The XLT Jr. Handcycle's low center of gravity make it stable and a great choice for kids who push the speed limit.

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The **Invacare® Top End® XLT Jr. Handcycle** is a recumbent handcycle built just for kids. Easy to operate, this handcycle has seven speeds and an aluminum frame with a chrome-moly steel fork. The enhanced aerodynamics and the 15° of camber increase stability. A tall, narrow back offers maximum range of motion and support, with a chest strap for safety. This extremely stable and maneuverable three-wheel handcycle is great fun for anyone who's between 38" to 60" tall. Standard safety features include: reflectors, full chain guard, footrest safety straps, safety flag, cushion and seat restraint. The XLT Jr. Handcycle is totally adjustable and ready to ride!

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**Model #: XLTJR**



1. Parking brake
2. Optional horizontal handpedals
3. Ergonomic handpedals



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**Features**

- |   |  |
|---|--|
| 6061 Aluminum frame/chrome-moly fork                  | Parking brake                          |
| 14" wide adjustable seat, back angle and crank height | 20" cruiser wheels and tires           |
| Full chain guard                                      | Quick release axles                    |
| Chain tension idler and safety flag                   | 15° camber                             |
| Adjustable footrest system with safety straps         | Road crown compensator                 |
| Seat and back cushions with chest restraint           | Reflectors                             |
| Shimano® 7 speed hub with reversing drum brake        | 250 lb. weight capacity                |
| 155 mm crankset with one chain ring                   | Many options accessories are available |
| Vertical ergonomic handpedals                         |  |



INVACARE® TOP END®  
**EXCELERATOR™ SERIES**  
HANDCYCLE



If you want a great way to exercise, cross-train or just have fun, one of the **Invacare® Top End® Excelerator™ Series Handcycles** is just what you need. This upright and extremely maneuverable three-wheel handcycle is capable of speeds up to 15 mph. The smooth seven-speed Shimano® hub with its reversing drum brake delivers hands-on braking and allows the rider to tackle hills or level terrain with equal ease. The oval tube carbon steel frame construction with adjustable sliding seat makes transfers in and out easier too.

The Excelerator Handcycle is built to your specifications, plus you can order the popular mountain drive option which adds 7 extra low gears for climbing hills or the V crankset option with its wider cranks to allow more clearance for those who are tall or require additional space. No excuses...Get Cranking!

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### Invacare® Top End® Excelerator™ Features

Carbon steel frame and fork  
Adjustable seat: forwards and backwards  
Adjustable back height  
Fold over back upholstery  
Adjustable crank height  
Chain tension idler  
Full chain guard, reflectors and safety flag  
Adjustable height/angle footrest system  
Shimano® 7 speed hub w/reversing drum brake

Parking brake  
175 mm crankset w/one chain ring  
Ovalized ergonomic hand pedals  
Performance wheels w/cruiser tires  
Quick release axles  
3° camber  
Cushion and hook and loop seat restraint  
Weight capacity 350 lb.

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### Model #: XCL



1. Twist Shifter for 7 speed hub
2. Quad Twist shifter option
3. Parking brake
4. Mountain drive transmission option
5. Frictionless ovalized handpedals



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### Options

Mountain drive transmission adds 7 low gears  
Quad twist shifter helps those with hand impairments  
Tri-pin quad handpedals  
Crank width adapter set  
Quad gloves  
Water bottle and cage  
Tow bar for wheelchair  
Cordless computer

Front safety light  
Rear flashing light  
Helmet  
Seat restraint: Auto style fastener  
Mirror  
Crutch holder and strap  
Bike rack for trailer hitch  
Top End t-shirt

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### Invacare® Top End® Li'l Excelerator™ Features

Carbon steel frame and fork

Adjustable seat: forwards and backwards

Adjustable back height

Fold over back upholstery

Adjustable crank height

Chain tension idler

Full chain guard, reflectors and safety flag

Adjustable height/angle footrest system

Shimano® 7 speed hub with reversing drum brake

Parking brake

155 mm crankset with one chain ring

Foam covered horizontal handpedals

20" Cruiser wheels and tires

Quick release axles

9° camber

Cushion and hook and loop seat restraint

Weight capacity 250 lb.

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### Model #: LXC



1. Parking brake

2. Ergonomic handpedals

3. Hook and loop safety seat restraint



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### Options

Quad twist shifter option

Quad gloves

Mirror

Water bottle and cage

Helmet

Front safety light

Rear flashing light

Crutch holder and strap

Bike rack for trailer hitch

Seat restraint: Auto style fastener

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## Features

1



### 1. V Crankset

The Invacare® Top End® V crankset option accommodates consumers who might have “clearance” issues. Not compatible with mountain drive option. Available on the Invacare Top End Custom Exceleator Handcycle.

2



### 2. Mountain Drive Transmission

Available on the Exceleator handcycle  
Adds 7 low gears (7 low + 7 standard = 14 total)  
Easy shifting, especially for quadriplegics – just push-in the center button  
Lightweight planetary transmission  
A must have for hilly terrain

3



### 3. Full Chain Guard

A full chain guard on all 7 speed handcycles is a great safety feature



# INVACARE® TOP END® FORCE™ CC HANDCYCLE



The **Invacare® Top End® Force™ CC Handcycle** is a handcycle you can ride on wide trails that is lightweight but also includes extreme climbing gears, sturdy 559-26" bike wheels equipped with mountain bike tires and a stop-on-a-dime front disk brake. The design is a cross between the popular Invacare® Top End® Force™ RX Handcycle and the Invacare® Top End® Force™ G Handcycle with enhanced ground clearance and an aggressive back angle adjustment that puts you in charge of rough terrain. Now you can force the pace....cross country especially with the BionX® Power Boost option which adds 25%, 50%, 75% or 100% power assist.

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## Features

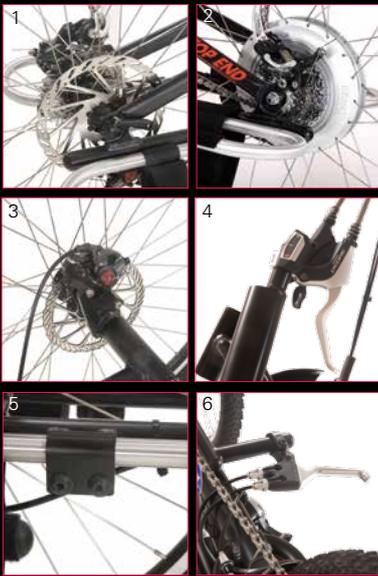
Ovalized 7000 series aluminum frame  
Front disk brake  
Adjustable seat length  
Adjustable back angle  
Aluminum fork  
Adjustable crank housing  
Multi-position adjustable footrests  
Safety straps  
Invacare® Top End® V crankset

Ovalized aluminum ergonomic handpedals  
Shimano® 27 speed drive train  
Shimano® Rapid Fire™ hands-on shifter brake  
11-34 SRAM® cassette  
Cable driven upper derailleur shifter  
Upper chainrings: 44-34-22  
Steering dampener  
559-26" high performance wheels

Knobby or Cruiser tires  
Threaded axles  
Parking brake  
Seat and back cushions  
Chain guard  
Safety flag  
250 lb. weight capacity  
Stealth Black powder coat paint  
BionX® Power Boost option adds 25%, 50%, 75% or 100% power assist

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## Model #: FRCCC



1. Front disk brakes
  2. BionX® Power Boost (available in the US and Canada only)
  3. Optional dual rear disk brakes
  4. Hands on shifting and braking
  5. Welded footrest clamps
  6. Brake lever for optional rear disk brakes
- 

## Options

Heart rate monitor  
Alignment gauge  
Backpack hydration system  
Rear disk brakes  
Water bottle and cage  
Cordless computer  
Helmet  
Safety lights, mirror  
Additional safety flag  
Click straps

Bike rack  
Indoor training roller  
Extra cable kit  
Leg guard attachment  
Tool and tire repair kit  
Wheel bag  
Handcycle travel bag  
Top End Bike Jersey  
Crank width adapter set

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INVACARE® TOP END®  
**FORCE™ -3**  
HANDCYCLE



The **Invacare® Top End® Force™ -3 Handcycle** is a great handcycle at a great price. This bike is ready to ride with 27 speeds, performance wheels and Shimano® components. Perfect whether you are just looking to get started in handcycling or ready to force the pace at your next competition.

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## Features

15" or 17" Width

Sealth Black Power Coat Paint

60" Wheelbase

Adjustable back angle, seat and footrests

27 speed drive train

Shimano® Deore Rapid Fire™ shifter/brake

Shimano® Octalink 170 mm cranks

Shimano® Tiagra brakes

Shimano® Sora manual upper derailleur

Adjustable crank height: diagonal and verticle

Alex DM18 silver spokes 26-559 wheels  
9° camber

High pressure cruiser clincher tires

Seat and back cushions

Chest and footrest safety straps

Drafting bumper

Threaded axles

Frictionless ovalized ergonomic hand pedals

Safety flag

Chain guard

Leg guard

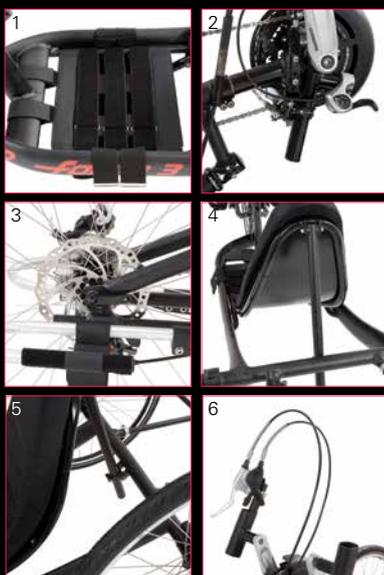
Reflectors

Parking brake

250 lb. weight capacity

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## Model #: FRC3



1. Wrap around frame with adjustable seat upholstery
2. Cable driven shifting for upper chainrings
3. Front disk brake and welded footrest clamps
4. Backrest adjusts forwards and backwards
5. Adjustable back angle allows 35-55° recline
6. Shimano components for hands-on shifting and braking

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## Options

Heart rate monitor

Alignment gauge

Backpack hydration system

Water bottle and cage

Cordless computer

Helmet

Safety lights, mirror

Crank width adapter set

Additional safety flag

Click straps

Bike rack

Indoor training roller

Extra cable kit

Tool and tire repair kit

Wheel bag

Top End Bike Jersey



# INVACARE® TOP END® FORCE™ RX HANDCYCLE



The **Invacare® Top End® Force™ RX Handcycle** with adjustable carbon fiber back is the latest competitive handcycle in the Invacare® Top End® Force™ Series. The Force RX Handcycle combines the hypersonic speed of the Invacare® Top End® Force™ X Handcycle design with the adjustability of the Invacare® Top End® Force™ R Handcycle in a lightweight aerodynamic package. The 7005 aluminum heat treated frame is fabricated with slick one piece side frames, plus there are multiple enhancements to allow a more reclined position without interferences. The custom reclined frame with adjustable feather weight carbon fiber back is ultra-light and super stiff. The Force RX Handcycle is a completely customized racing machine which includes a SRAM®X9 30 speed drive train, or you can upgrade to top-of-the-line SRAM XX or Rival Shifters. Are you ready to force the pace? Get the new Invacare Top End Force RX Handcycle!

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## Features

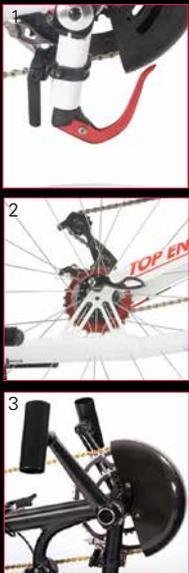
7005 aluminum aerodynamic frame  
Adjustable Carbon fiber back  
7005 aluminum aerodynamic fork  
Adjustable height crank housing  
Breathable mesh upholstery  
Seat and back cushions  
Multi-position adjustable footrest  
Tapered aluminum crank arms  
Frictionless pedal bearings  
Aluminum ergonomic hand pedals

SRAM® X9 30 speed drive train  
Chainrings: 48-39-24  
Cassettes: SRAM 11-34  
Cane Creek SCR-3 Caliper Brake  
Fork mounted locking second brake  
Steering dampener  
26" high performance wheels  
Reflectors  
High pressure clincher tires  
0° or 3° of camber

Threaded axles  
Drafting bumper  
Parking brake  
Positioning straps  
Safety flag  
Carbon fiber chain guard  
9 paint choices  
Reflective stickers  
250 lb. weight capacity

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## Model # FRCRXA



1. Derailleur post non-locking second brake is a no charge option
2. Sleek new drop outs are slim, lightweight and aerodynamic
3. Carbon Fiber chain guard looks great and keeps you safe

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## Upgrades and Options

Carbon fiber wheels  
20" rear wheel option  
Component upgrades: SRAM XX or Rival Shifters  
Fork mounted or handle mounted  
SRAM Cassette: 11-28  
Chainrings: 53-39-28 or Compact 110  
Disk brakes  
Quad cuff power plates  
Double Tap elbow shifting and braking system

Continental® Grand Prix high pressure clincher tires  
Continental Sprinter tubular tires  
Bike Jersey  
SRAM® Training system  
Travel bags  
Safety options and hydration systems

See order form for complete details

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## Features



1. The totally adjustable featherweight carbon fiber back is as lightweight as the fixed welded back, allowing athletes the ability to find their most aerodynamic and powerful position for the course, whether it is a road race, time trial or triathlon.

The bolt-on adjustable headrest cradles the cervical spine and is adjustable in height and angle for a perfect fit. The carbon fiber back is covered with a breathable mesh material that is both lightweight and durable.



2. Choose from 3 fork styles:

The fixed length/vertical height adjustment fork is standard. This fork features the best of both worlds – a super stiff fork and height adjustments so you can get the clearance you need and keep the crank height as aerodynamic as possible.

The fixed height fork is optional and the stiffest, but it is not adjustable in any way. Measurements are required, so it is best to have this dialed in before you go for this style (shown).

The diagonal and vertical height adjustment fork is optional and will give you the most adjustability, especially with the welded back, but it is not as stiff as the other two styles.



3. The SRAM® X9 30 speed drive train, trigger shifter and brake mounted on the right handpedal is standard. This allows for hands-on shifting and braking right at your fingertips.

The ovalized aluminum ergonomic hand pedals are available in 3 sizes: small, medium or large perfect fit. They are offered in 15° or 25° angles.

The power plate option (shown) allows full contact through the entire pedal stroke, especially the push phase.

The standard front wheel cassette is SRAM 11-34, perfect for hilly terrain. You can get a SRAM 11-28 which delivers the closer gears preferred by elite athletes, but it is less of a fit for climbing.



4. Component upgrades are also available:

SRAM double tap 10 speed Rival fork mounted shifter and brake (shown). To use this system you need to have your arms in a position "ready" to brake as the brake is not located on the handpedal, but it does eliminate the shifter and brake cables. With this system you can have a second brake mounted on the left handle, or a fork mounted one-handed locking brake or derailleur post non-locking brake (shown in picture 1 on page 32).

SRAM XX 10 speed right handle mounted shifter and Pro Force brake lever deliver hands-on shifting and braking just the same as the SRAM X9.

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5. The redesigned curved monocoque front triangle is super strong and looks terrific. This new design allows the athlete to get closer to the front wheel which translates to a lighter and stiffer fork because it is shorter. Plus, it allows for more body clearance so the athlete can get lower and obtain a more streamlined position.



6. Wheel choices: The 26" High Performance 36 spoked wheels with threaded axles are standard and equipped with high performance clincher tires and tubes. (Not shown)

A set of carbon fiber wheels will definitely upgrade your ride because they are stiffer, lighter and more aerodynamic.

The Top End Rim Upgrade (shown) has a carbon composite rim and stainless spokes: 24 front and 20 rear. These wheels require tubular tires.

The Top End/Spinergy Rim Upgrade has a carbon/graphite composite rim and requires tubular tires.

The Time Trial Package includes the 26" Top End Carbon Rim front wheel and a pair of 26" Zipp Discs on the rear. These are for use in the time trial competition only and are not legal for road racing.



7. Options for cyclists with limited hand function are the Double Tap Frame Mounted Shifters which are positioned so that the right shifter operates lower derailleur and the left operates upper chainrings by using your elbows. Add the Elbow Activated Frame Mounted Brake and you are good to stop and go! A disk brake is recommended for added safety and "stoppability."



8. The quad cuff power plate handpedals feature an adjustable quad cuff to accommodate various hand sizes and positions. There is a detachable strap that fastens to the quad cuff if needed. The lower power plate will help you power through your stroke on the downstroke and the upper power plate will do the same on the upstroke. Most athletes customize their handpedals once they start riding by adding bicycle handlebar tape to optimize their pedal power.



# INVACARE® TOP END® FORCE™ K HANDCYCLE



The **Invacare® Top End® Force™ K Handcycle** is a kneeling position handcycle available in two custom, made-to-measure aerodynamic designs. The Invacare Top End Force K Kneeler is used by the most able athletes, while the Invacare Top End Force K Double Amputee Kneeler is custom designed for the double above-the-knee amputee. What makes the Invacare Top End Force K Handcycle different from the rest of the Invacare Top End Force Series handcycles? The Invacare Top End Force K Handcycle is a kneeling-only, non-adjustable position handcycle that requires dialed-in measurements and engineering drawings—all of which are easy to find on the website: [www.topendwheelchair.com](http://www.topendwheelchair.com). Can you force the pace? "Yes, you can.®" Get the Invacare Top End Force K Handcycle.

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## Features

7005 aluminum custom welded frame	Cane Creek SCR-3 Caliper Brake	9 paint choices
7005 aluminum aerodynamic fork	Fork mounted locking second brake	Reflective stickers
Breathable mesh upholstery	Steering dampener	250 lb. weight capacity
Seat and back cushions	26" high performance wheels	
Tapered crank arms	0 or 6 degrees of camber	
Frictionless pedal bearings	Threaded axles	
Aluminum ergonomic hand pedals	Drafting bumper	
SRAM® 30 speed drive train	Parking brake	
Chainrings: 53-39 or 48-39-24	Safety flag	
Cassettes: SRAM® 11-34	Chain guard	

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## Model #: FRCK



1. Top End Carbon Wheel Upgrade is stiff, light and aerodynamic
2. SRAM components allow shifting and braking at your fingertips

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## Options

Carbon fiber wheels  
Component, brake and cassette upgrades  
SRM™ Power Meter measuring tool integrated directly into Invacare Top End cranks

See the Force K order form for all of the great options available!

## Frame Styles:

Invacare Top End Force K Kneeler designed for the most able athletes with a custom knee/seat bucket.

Invacare Top End Force K Double Amputee Kneeler designed for the double above-the-knee amputee utilizing a custom cage.

**Invacare Corporation**  
www.invacare.com

**Top End**  
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