

Top End® T-5™ Tennis Elite Chair

Price List and Order Form

Effective July 1, 2006 Revised January 15, 2009

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 _____ Email _____ Phone No _____
Address _____ City _____ State _____ Zip Code _____
Ship order to: ☐ Provider ☐ Customer

Order will ship to Provider unless otherwise noted.

KEY MEASUREMENT GUIDELINES PAGES 2 & 3

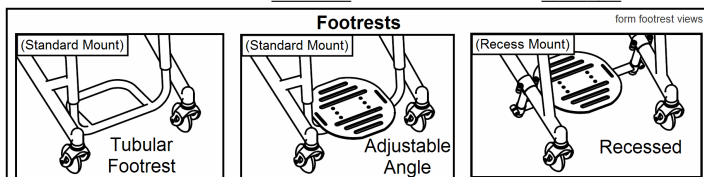
☐ SWSA Top End T-5 Tennis Elite Aluminum Chair.....\$2,625.00

☐ SWST Top End T-5 Tennis Elite Titanium Chair.....3,985.00

1. SEAT WIDTH ☐14" ☐14.5" ☐15" ☐15.5" ☐16" ☐16.5" ☐17" ☐17.5"
☐18" ☐18.5" ☐19" ☐19.5" ☐20" ☐20.5" ☐21"

☐ TER1 Tapered seat width 125.00 ¹

Rear Seat Width: _____ Front Seat Width: _____



2. FOOTREST WIDTH: _____ Standard = Seat Width minus (-) 6" ²

3. FOOTREST HEIGHT: (TOP) TO FLOOR: _____ ³

4. FOOTREST TYPE: Standard: Tubular Footrest (Adjustable Height)

☐ TER86 Adjustable Angle Footplate..... 125.00

☐ with risers ☐ 2" ☐ 4" (for desired Footrest Heights over 5" from floor)

☐ TER87 Recessed Footrest..... 150.00 ⁴

5. FOOTREST OPTIONS:

☐ TER10 Plastic footrest cover (standard footrest only)..... 75.00

☐ TER89 Carbon fiber footrest cover (standard footrest only)... 125.00

☐ TER127 Toe Clips..... 60.00 ⁵

6. FRONT FRAME ANGLE: ☐ 80° ☐ 85° ☐ 90° ☐ 100°

7. SEAT HEIGHT FRONT: ☐14.5" ☐15" ☐15.5" ☐16" ☐16.5" ☐17".
☐17.5" ☐18" ☐18.5" ☐19" ☐19.5" ☐20" ☐20.5" ☐20-7/8" (53cm)

8. SEAT HEIGHT REAR: ☐14.5" ☐15" ☐15.5" ☐16" ☐16.5" ☐17" ⁶
☐17.5" ☐18" ☐18.5" ☐19" ☐19.5" ☐20" ☐20.5" ☐20-7/8" (53cm)

☐ TER31 Solid Seat w/ welded rigidizer bars for aluminum..... 175.00

☐ TERTi3 Solid Seat w/ welded rigidizer bars for titanium..... 425.00

9. AXLE POSITION: "CENTER OF GRAVITY" (choose fixed or adj.): ⁷

Fixed Axle Position: ☐ 3" ☐ 3.5" ☐ 4" ☐ 4.5" ☐ 5" ☐ 5.5" ☐ 6" Other _____

Adjustable Center of Gravity Range: ☐ 2" to 4" ☐ 3" to 5" (Std.) ☐ 4" to 6" ⁸

(10). CASTER POSITION: (choose 'Front to Wall' or 'Wheel Base')

FRONT TO WALL:

☐ 18" ☐ 20" ☐ 22" ☐ 24" ☐ 26" Other _____

-OR- WHEEL BASE:

☐ 15" ☐ 16" ☐ 17" ☐ 18" ☐ 19" Other _____

11. UPHOLSTERY SEAT DEPTH: ☐ 14" ☐ 15" ☐ 16" ☐ 17" ☐ 18"

12. EXTRA FRAME DEPTH: Standard = 0": ☐ 1" ☐ 1 1/2" ☐ 2"

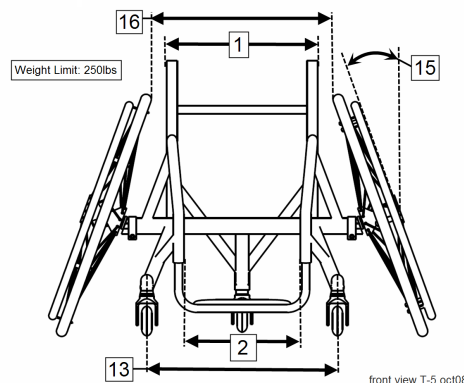
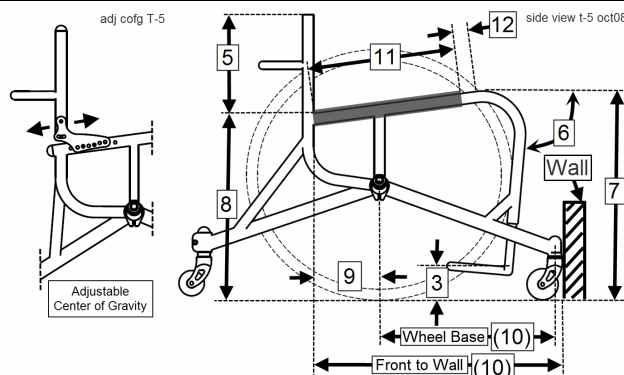
13. CASTER CENTER TO CENTER (refer to notes) ⁹

Standard Mount Footrest Ctr = Footrest Width plus (+) 6" ☐ Other _____

Recess Mount Footrest Ctr = Seat Width minus (-) 1" ☐ Other _____

14. ANTI-TIP/5TH WHEEL: Choose one: ☐ Fixed or ☐ Omit

☐ TER102 Telescoping 200.00



15. CAMBER: ☐ 12° ☐ 15° ☐ 18° ☐ 20° (no other camber available)

16. WHEEL DISTANCE: Standard = Seat Width + 2.5" ☐ Other _____

17. WHEEL TYPE: Build for: ☐ Standard or ☐ Spinergy

18. SUN@PERFORMANCE WHEELS/ OPTIONS:

Rear Wheel Size: ☐ 24"(540) ☐ 25"(559) ☐ 26"(590) ☐ 700C

☐ TER131 Spinergy SLX (4mm) upgrade (24 spokes) 895.00

Spoke color: (choose one) ☐ Black ☐ Yellow ☐ White ☐ Red ☐ Blue

☐ TER67 Spinergy Spox (3mm) upgrade (24 spokes) 695.00

Spoke color: (choose one) ☐ Black ☐ Yellow ☐ White ☐ Red ☐ Blue

☐ TER6 Crossed Spoke Upgrade
(not available for Spinergy wheels)..... 125.00

☐ TER101 Kenda® Tires: ☐ Red or ☐ Yellow..... 75.00

☐ TER76 Titanium axles..... 150.00

19. PUSHRIMS, ANODIZED (Aluminum):

(☐ Std. mount) or (☐ Close mount ☐ Cut Tabs)

☐ TER75 Titanium pushrims upgrade 600.00 ¹⁰

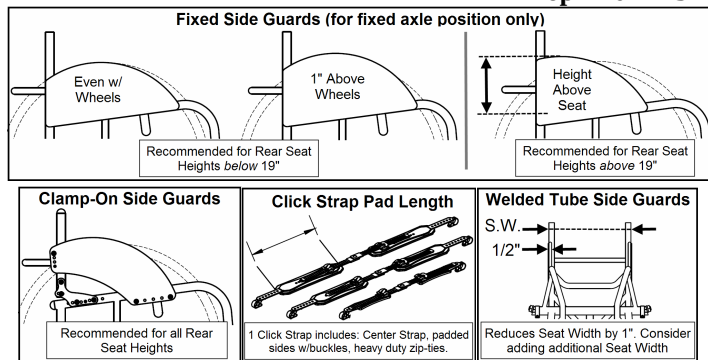
☐ TER08 Coated Pushrims..... 100.00

20. BACK HEIGHT (choose fixed or adjustable):

Fixed Height: ☐ 8" ☐ 8.5" ☐ 9" ☐ 9.5" ☐ 10" ☐ 10.5" ☐ 11" ☐ 11.5"
☐ 12" ☐ 12.5" ☐ 13" ☐ 13.5" ☐ 14" ☐ 14.5" ☐ 15" ☐ 15.5"

Adjustable Height Range:

☐ Short 9" to 11" ☐ Low 11" to 14" ☐ Med 14" to 18"



21. SIDE GUARDS:

- ☐ **TER95** Clamp-On Fixed aluminum side guards 125.00
- ☐ **TER20** Fixed aluminum side guards..... 175.00 ¹¹
- ☐ Even w/wheels ☐ 1" Above wheels ☐ Height above seat _____
- ☐ **TER83** Fixed carbon fiber side guards 250.00 ^{11, 12}
- ☐ Even w/wheels ☐ 1" Above wheels ☐ Height above seat _____
- ☐ **TER130** Welded aluminum tube side guards w/ welded aluminum panel ^{11, 13}
- ☐ Even w/wheels ☐ 1" Above wheels ☐ Height above seat _____
- \$500.00
- ☐ **TERTi10** Welded titanium tube side guards w/ welded titanium panel ^{11, 13}
- ☐ Even w/wheels ☐ 1" Above wheels ☐ Height above seat _____
- \$1000.00

Special Instructions: _____

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SAFETY AND COMFORT OPTIONS:

- ☐ **TER14** Cushion, soft ☐ 2" ☐ 3" 75.00
- ☐ **TER33** Cushion, hard ☐ 2" ☐ 3" ☐ 4" 125.00
- ☐ **TER37** Frame protectors – front 40.00
- ☐ **TER35** Frame protector – rear 20.00
- ☐ **XL T33** Alignment gauge 75.00
- ☐ **TER126** Click strap large (pad length ~12") 86.00
- ☐ **TER125** Click strap medium (pad length ~10") 80.00
- ☐ **TER124** Click strap small (pad length ~8") 75.00
- ☐ **TER128** D-Ring positioning belt 100.00
- ☐ **RACE22** Top End T-Shirt, ☐ L ☐ XL 10.00

FRAME COLOR AND UPHOLSTERY

UPHOLSTERY ☐ Black std ☐ UPHI Camouflage \$100.00

FRAME FINISH: ☐ Bead Blast Finish for Titanium

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

ADVICE FROM PAUL SCHULTE:

"The most experienced athletes I know are *still* considering changes for their *next* sports product. Changes are exciting, and in some cases enhance the performance of the athlete. Too many changes at once, however, make it difficult for athletes to determine what helped and what did not. Athletes should be conservative in the number of changes made when ordering a new product, and patient when experiencing what they have ordered. I have made changes that I initially disliked, which eventually became the best things for me."

-Paul Schulte, Top End Design Engineer

KEY MEASUREMENT GUIDELINES:

This section consists of Footnotes (exclusions) and advice on filling out this order form. The section is intended for cases where users have either an existing sports wheelchair or are ordering a sports wheelchair for the first time. In either case, users and distributors will find *all* the information below helpful. It is recommended that the individual *filling out the order form* has read through this section prior to taking the measurements. Symbols are as follows:

GUIDELINE KEY

Footnote # : Footnotes (Exclusions) applicable to the measurement / option.

(A): For user's who have a sports wheelchair present during measurement.

(B): For user's who do not have a sports wheelchair present during measurement.

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1. Seat Width:

Footnote #1: When Tapered Seat Width is chosen, 4" is the maximum difference between Rear and Front Seat Widths. Footrest width will be 2" less than the specified Front Seat Width.

(A) Measure existing Seat Width (shown in front view page 1). Determine if you desire more or less. Use a tape measure to estimate the amount of change desired. ½" sizes are acceptable. The Tapered Seat Width option divides the seat into a Rear Seat Width and a Front Seat Width. A small amount of taper would be 1 to 2 inches, more common for single leg amputees. A larger amount of taper would be 3 to 4 inches and would be common for legs with significant atrophy. (See footnote #1)

(B) The only major mistake one can make with Seat Width is to order it too narrow. 15" and 16" are the two most common Seat Widths. If no chair is available, measure the distance by pressing two books to the outsides of one's hips and measuring the distance between them. (See footnote #1)

2. Footrest Width:

Footnote #2: Does not apply to Recessed Footrest.

(A) Measure existing Footrest Width (shown in front view page 1). Determine if you desire more or less room. Use a tape measure to estimate the amount of change desired. ½" sizes are acceptable. Recessed Footrest widths are dependant on Caster Center to Center and are normally conservative. Tubular style footrest widths are typically equal to Seat Width – 6". (See footnote #2).

(B) Place your sports shoes side by side and measure them at the widest point. Add 2" to that measurement for a typical footrest width measurement. For this measurement, the only major mistake one can make is specifying a Footrest Width that is too narrow. (See footnote #2).

3. Footrest Height: (Top) to Floor:

Footnote #3: 1" – 5" Std. For additional height select TER86 Adj. Angle footplate with riser option.

(A) Measure existing Footrest Height (shown in side view page 1). All footrests shown are adjustable in height. This measurement assists Top End in recognizing user needs. If possible, Top End will ship the product already adjusted to the requested height. ½" sizes are acceptable. (See footnote #3).

(B) All footrests shown are adjustable in height. If possible, use the person's everyday footrest height measurement as a reference. This measurement assists Top End in recognizing user needs. If possible, Top End will ship the product already adjusted to the requested height. 3" is conservative. (See footnote #3).

Top End® T-5™ Tennis Elite Chair

4. Footrest Type:

Footnote #4: Recessed Footrest was also known as T-4 Style. Footrest Width is approximately Seat Width minus (-) 4".

Footnote #5: Not available for Standard Tubular Footrest.

(A) Compare user's existing footrest to those in diagram on pg.1.

(B) For an individual's first sports wheelchair, the Recessed Footrest provides the most adjustability. (See footnotes 4 & 5).

6. Front Frame Angle:

(A) Examine the end user's existing chair. Selecting 90° will position the Front Frame/ Footrest vertical. Selecting 85° will angle the Front Frame /Footrest towards the front of the chair. Selecting 100° will angle the Front Frame/ Footrest towards the rear of the chair.

(B) 85° is a conservative selection.

7 & 8. Seat Height Front / Rear:

Footnote #6: Rear Seat Height: 13" available with 24" wheels only.

(A) Measure the Front and Rear Seat Heights as shown in side view page 1. Use a tape measure to estimate the amount of change desired. Players who have more ability commonly prefer higher Rear Seat Heights (greater than 19"). Players who have less ability commonly prefer lower Rear Seat Heights. (less than 18"). (See footnote #6)

(B) Rear Seat Height typically plays a more significant role in chair performance than Front Seat Height. It is recommended for inexperienced end users to try existing wheelchairs to understand the difference between Rear Seat Heights. Taller Rear Seat Heights enable users to reach higher, but in most cases reduce their mobility. Likewise, shorter Rear Seat Heights reduce the user's reach, while improving their mobility. (See footnote #6)

9. Axle Position (Center of Gravity):

Footnote #7: Measure the user's existing chair from the *Front* of the Backpost, horizontally (as shown in side view pg 1), to the center of the rear axle.

Footnote #8: Adjustable Center of Gravity: Non-folding, angle adjustable backrest. If side guards are desired, Clamp-on style is the only compatible option.

(A) The two *largest* contributors to the responsiveness of a sports wheelchair are the frame's Axle Position and the "sag" in the upholstery. Both of these contributors determine where the user's body is positioned relative to the rear wheels. When a Fixed (welded in this case) Axle Position is chosen, the upholstery can be expected to provide roughly 1" to 1½" of adjustment. If more adjustment is found to be required, additional width back upholstery can be purchased through Top End customer service. Choosing an Adjustable Center of Gravity range (shown on pg.1), adds an additional 2" of adjustment to the upholstery (1"- 1½"). There are more side guard options currently available with a fixed Axle position. (See footnote #7 & 8)

(B) Choosing an Adjustable Center of Gravity of 3" to 5" provides a good range for new users. (See footnotes #7 & 8)

10. Caster Position

(A) If the existing sports wheelchair present is *not* a Top End product, it is recommended to specify a 'Front to Wall' dimension. The Front to Wall dimension is intended to identify the current length of the user's wheelchair. To measure Front to Wall, position the leading edge of the existing wheelchair directly towards a Wall (see page 1). Then, measure horizontally from the Wall to the Front of the backrest. Use a tape measure to estimate the amount of change desired. ½" sizes are acceptable. When using Front to Wall, ¾" is the standard distance from the Wall to the Caster Center. Experienced Top End users may prefer using the more traditional measurement, Wheel Base. The Wheel Base measurement does not involve a wall.

(B) When an existing sports wheelchair is not present, a conservative Front to Wall measurement can be determined using the conversion chart:

FRONT TO WALL CONVERSION CHART				
REAR SEAT TO FLOOR RANGE	SEAT DEPTH		CONSTANT	Front to Wall
21 - 19.5 TALL		+	8	=
19 - 17 MED		+	7	=
16.5 - 15 LOW		+	6	=

assuming 'Adjustable Center of Gravity' Range 3" to 5" is selected

15 caster positionable

If the person filling out the order form is more familiar with the traditional measurement: Wheel Base, then following conversion chart applies:

WHEEL BASE CONVERSION CHART				
REAR SEAT TO FLOOR RANGE	SEAT DEPTH		CONSTANT	WHEEL BASE
21 - 19.5 TALL		+	3	=
19 - 17 MED		+	2	=
16.5 - 15 LOW		+	1	=

assuming 'Adjustable Center of Gravity' Range 3" to 5" is selected

15 caster positionable

13. Caster Center to Center:

Footnote #9: For Tubular Style footrests, Caster Center to Center should be at least 5" greater than the Footrest Width. For Recessed Style footrest, Caster Center to Centers are not recommended to be less than 13".

(A) & (B) Use the defaults specified on page 1. (See footnote #9)

14. Anti-tip/5th Wheel:

(A) Examine existing sports wheelchair. Fixed single Anti-tip is standard. The Telescoping option is removable and may be desired for ease of transporting the wheelchair.

(B) Single Anti-tip is recommended as standard for this product.

15. Camber:

(A) & (B) 20° is a common request for tennis wheelchairs.

18. Rear Wheel Size, Options:

(A) Existing Wheel size can be determined by reading the side-wall of the tire currently used or comparison with a wheel whose size is known. Wheel size is a player preference. Larger sizes may provide faster overall speed, but slower starts. Smaller size wheels may provide faster starts, but slower overall speed. Choosing the end user's existing wheel size is the most conservative choice.

(B) Using the Chart above: For Tall seat heights, 26"(590)'s are recommended. For Medium, 25"(559)'s are recommended. And for Low, 24"(540)'s are recommended. Tip: If the end user has an everyday chair, it may be convenient to choose the same size wheels on the new sports chair.

19. Pushrims:

Footnote #10: Titanium pushrims not available in 700C

(A) Std. mount vs. Close mount is a personal preference item. If Close mount is desired, users can check the 'Cut Tabs' box to have the excess of the Tabs removed. The conservative choice is to order what the user has currently. (See footnote #10)

(B) Standard mount is a conservative choice.

21. Side Guards: (refer to diagrams)

Footnote #11: When Fixed Axle position chosen, all Side Guards are available. When Adjustable Center of Gravity chosen, Clamp-on Fixed Style are the **only** available side guards.

Footnote #12: Carbon Fiber Side Guards not available with Tapered Seat Widths.

Footnote #13: Welded tube Side Guards will reduce Seat Widths by ½" each side.

(A) If Side Guards are desired, measure the height of the existing Side Guards from top of seat frame. (See footnotes #11, 12 & 13)

(B) Side Guards are common for sports wheelchairs. All Non-Welded Side Guards are removable. If the end user is not comfortable with the side guards, they can always be taken off. Welded Side Guards are permanent, and are intended for the advanced user. For Rear Seat heights above 19", 7" above the seat frame is a conservative Side Guard height. (See footnotes #11, 12 & 13)

Invacare Corporation

TOP END

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Yes, you can.®