

# Invacare Top End OSR Racing Chair Kneeling - UK Price List and Order Form

For accuracy of ordering, please fax order to Invacare Customer Service at 01656 776220 or e-mail to: [ordersuk@invacare.com](mailto:ordersuk@invacare.com)

[www.topendwheelchair.co.uk](http://www.topendwheelchair.co.uk)



Provider name: \_\_\_\_\_ Account number: \_\_\_\_\_  
 PO number: \_\_\_\_\_  
 Phone number: \_\_\_\_\_ Fax number: \_\_\_\_\_  
 Address: \_\_\_\_\_

Customer name: \_\_\_\_\_ Phone number: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Ship to:  Provider  Customer (Order will be shipped to provider unless otherwise noted)

DATE:

QUOTE

ORDER

Manual Sport Wheelchair  
 January 2012

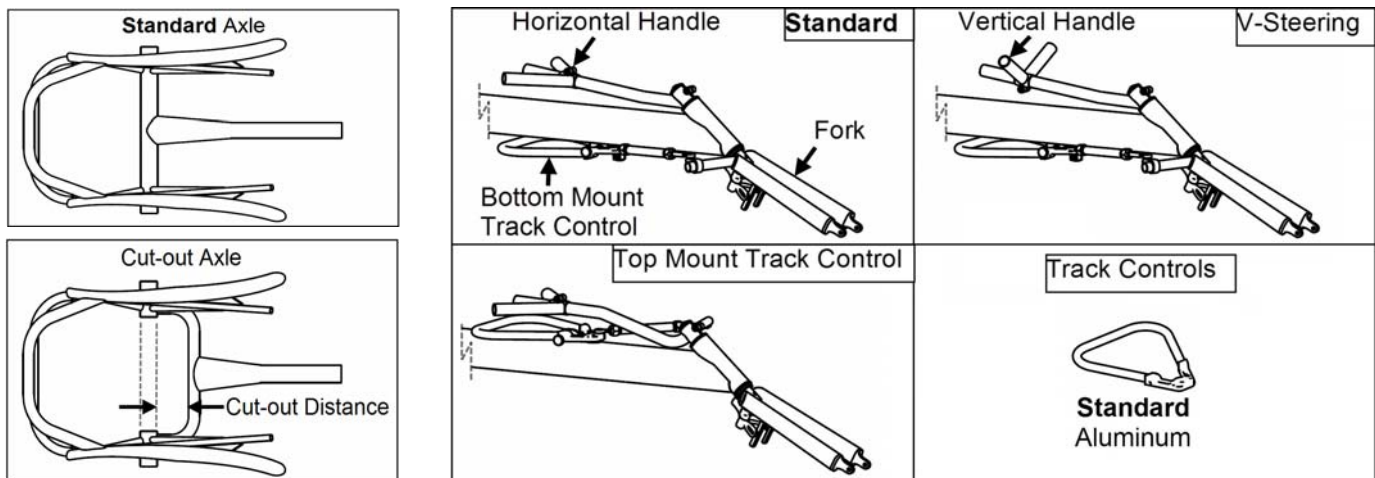
- Please indicate your choice with a cross in this square
- Indicate that this option has no upcharge

The kneeling seat design racing chair is best for customers who kneel only or need an amputee seat. Customers tend to have good balance and are T-10 injury level or below.

Item	Description	Comments and/or non compatibilities information	Price
<input type="checkbox"/> ELMOSR	"V" or "Open V" cage racing chair	Complete pages 1 and KV1 - "V" cage is for advanced racer with good flexibility to transfer and assume the kneeling position - The "Open V" offers easier transfer than the "V" cage and is better for racers with long or thicker/big legs	£2,450
<input type="checkbox"/> ELMOSR	"U" cage racing chair	Complete pages 1 and KU1 - Requires aluminium knee plate option for extra rigidity	£2,450
<input type="checkbox"/> RACE101	CAD drawings	Specify e-mail: _____ @ _____	POA
<b>FRAME OPTIONS</b>			
<input type="checkbox"/> ELM28	Aluminium knee plate	Required for "U" cage	£66
<input type="checkbox"/> ELM29	Aluminium solid seat		£50
<input type="checkbox"/> ELM40	Cut-out axle (choose distance)	Creates more room for legs and lower rear seat heights	£170
	<input type="checkbox"/> Distance 2" (approx. 51 mm)		<input type="radio"/>
	<input type="checkbox"/> Distance 3" (approx. 76 mm)		<input type="radio"/>
	<input type="checkbox"/> Distance 4" (approx. 102 mm)		<input type="radio"/>
<b>UPHOLSTERY TYPE</b>			
<input type="checkbox"/>	Kneel	Can be used in either the traditional position with plastic footplate/strap or kneeling position	<input type="radio"/>
<input type="checkbox"/>	Amputee: Length _____	Primarily designed for above knee double amputees -Indicate length of upholstery	<input type="radio"/>
<b>STEERING AND TRACK CONTROL</b>			
<b>Seat height front</b>			
<input type="checkbox"/>	Standard	Horizontal	<input type="radio"/>
<input type="checkbox"/>		Vertical	<input type="radio"/>
<b>Track control</b>			
	Standard	Aluminium triangle	<input type="radio"/>
<b>FRONT WHEEL</b>			
<input type="checkbox"/>	Standard	20" front wheel	<input type="radio"/>
<input type="checkbox"/>	ELM23	20" Carbon fibre front wheel	£428
<b>REAR WHEELS</b>			
<b>Rear wheels options</b>			
<input type="checkbox"/>	Standard	28" spoke rear wheels	<input type="radio"/>
	<input type="checkbox"/>	For tubular tyres	<input type="radio"/>
	<input type="checkbox"/>	For clincher tyres	<input type="radio"/>
<input type="checkbox"/>	ELM6	Corima® Carbon fibre 4 spoke (700C)	Tubular only £1,715
<input type="checkbox"/>	ELM27	ZIPP carbon disk (700C)	Tubular only £1,412
<b>Pushrims options</b>			
<input type="checkbox"/>	Standard	Rubber-coated aluminium pushrim 3/8" 14	<input type="radio"/>
	<input type="checkbox"/>	Diameter 12" (approx. 305 mm)	<input type="radio"/>
	<input type="checkbox"/>	Diameter 13" (approx. 330 mm)	<input type="radio"/>
	<input type="checkbox"/>	Diameter 14" (approx. 356 mm)	<input type="radio"/>
	<input type="checkbox"/>	Diameter 15" (approx. 381 mm)	<input type="radio"/>
	<input type="checkbox"/>	Diameter 16" (approx. 406 mm)	<input type="radio"/>

SAFETY AND COMFORT OPTIONS			
	Standard	Plastic footplate with strap	○
<input type="checkbox"/>	ELM4	Fixed footrest	£173
<input type="checkbox"/>	ELM10	Helmet	£50
<input type="checkbox"/>	Small (6 5/8" - 7")		
<input type="checkbox"/>	Medium (6 7/8" - 7 1/2")		
<input type="checkbox"/>	Large (7 1/4 - 7 5/8")		
<input type="checkbox"/>	XLT16	Safety flag	£20
<input type="checkbox"/>	XLT6	Front safety light	£17
<input type="checkbox"/>	XLT7	Rear flashing light	£17
<input type="checkbox"/>	ELM11	Cordless computer	£50
<input type="checkbox"/>	XLT141	Heart rate monitor	£66
<input type="checkbox"/>	TER124	Click-strap small	Pad length approx. 8" (203 mm)
<input type="checkbox"/>	ELM12	Additional 2" strap, specify length:	
<input type="checkbox"/>	ELM19	Cushion	£50
<input type="checkbox"/>	XLT33	Alignment gauge	£50
<input type="checkbox"/>	RACE4	Wheelbag	£165
<input type="checkbox"/>	RACE5	Top End racing suit (short sleeve - one size fits all)	£165
<input type="checkbox"/>	RACE22	Top End T-Shirt Size L	£9
<input type="checkbox"/>	RACE22	Top End T-Shirt Size XL	£9
UPHOLSTERY COLOUR			
<input type="checkbox"/>	Standard	Black	○
<input type="checkbox"/>	UPH11	Woodland Camouflage	£67
<input type="checkbox"/>	UPH12	Digital Desert Camouflage	£88
FRAME COLOUR			
Contemporary colours			
<input type="checkbox"/>		Wet black	○
<input type="checkbox"/>		Black prism	○
<input type="checkbox"/>		White snow	○
<input type="checkbox"/>		Silver metallic	○
<input type="checkbox"/>		Stealth black	○
Way cool colours			
<input type="checkbox"/>		Royal blue	○
<input type="checkbox"/>		Midnight blue	○
<input type="checkbox"/>		Grasshopper green	○
Too hot colours			
<input type="checkbox"/>		Tangerine red	○
<input type="checkbox"/>		Raspberry red	○
<input type="checkbox"/>		Grape madness	○
<input type="checkbox"/>		Safety yellow	○
<input type="checkbox"/>		Sunkissed orange	○
<input type="checkbox"/>		Bubblegum pink	○

#### ADDITIONAL INFORMATION & MEASURING GUIDE



**Upper inside frame width:** this measurement on the chair is the point directly above the axle on the inside of the frame. This usually rides below the lats on the chair user. With the new integral fender, frame gradually gets wider as the fender follows the wheel. This allows room for the stroke follow through. Measure 2" above waist, then measure straight across chest. Typically upper frame is a maximum 1"– 2" narrower than lower seat width.

**Lower inside seat width:** inside panel measurement at rear seat rail. The side panels are riveted on the side of frame as standard. Snug is preferred. Use two flat objects (such as books) to press flesh in at the hips and measure straight across.

**Knee width:** measure width with knees together.

**Axle position:** typically between 5" – 8". The lower the level of SCI, the more forward the axle position. Minimum for kneeling position is 6". Most of the top racers have between 6 1/2" – 8". Taller people may need the axle more forward (8") and amputees back a bit (5" – 6"). A straight camber tube (new in 1995) increases the stiffness of the chair and includes rear wheel alignment adjustability. The angled camber tube continues to be an option for those needing more room for their feet.

**Camber:** most users prefer 11°. Athletes who sit high and/or race on the track sometimes prefer more.

**Seat angle:** standard is 15° or 20° for most low level SCI athletes. Those who like their legs lower may want less of an angle. 10° gives a 3" raise and 15° gives 4 1/2" and 20° equals 6".

**Seat height:** measured from floor to the top of the seat rail. Standard is 17" rear and 18" front. The 1" difference gives a slight bucket for stability. Trunk length should also be considered: a long trunk may sit lower and short trunked people, higher. The kneeling position requires a minimum of 17" rear and 18" front to allow room for legs and feet.

**Rear seat height:** measured from floor. Low level SCI athletes tend to sit higher, whereas quads and high level SCI athletes sit lower. Trunk length should also be considered: a long trunk may sit lower and short trunked people higher. The standard rear seat height is 17".

**Overall length:** measured from end to end (rear to front wheel) – between 64" and 76". The average male adult measures between 72" – 76". This measurement for everyone is dependent on the ability to reach the steering system and brake comfortably with tucked into the racing position. A longer chair is smoother gliding and runs straighter, but if it's too long, the ability to "hop" the chair by body force will diminish.

**Rear wheel size:** 700C – most adult men and women. The larger wheel equals more top end speed and is a must for the serious racer. The Top End Eliminator wheel covering fender helps shorter armed people use a 700C wheel as the wheel is covered and protects against chaffing.

**Rear axle:** standard on Top End racers is 1/2" as this makes a stiffer wheel.

**Aero bars:** standard on the OSR - steering mounted on the top of the frame for easier reach and improved aerodynamics with removable bar ends.

**Rubber coated pushrims:** average is 14 1/2" for men, 14" for women. This depends on arm length and power. Range is 13" – 16". Most good racers have tried many sizes over time.

**Standard accessories:** Caliper hand brake is mounted on the left steering handle. 3 positioning straps are included (25", 30", 35"). The tool kit includes a pouch that attaches to the back of the upholstery. 5 Allen tools for assembly/adjusting of rear wheels, pushrims, headset, front wheel and side guards are included.

**Invacare Ltd:** [www.invacare.co.uk](http://www.invacare.co.uk)

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