



Invacare® Solara® Wheelchair

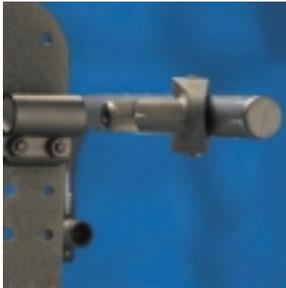


Yes, you can.™

Introducing the Invacare® Solara®, the premier wheelchair in the Compass™ Series of adult positioning wheelchairs by Invacare. Solara is built to last! The design combines revolutionary weight shift tilt-in-space technology in a frame design that has proven to be durable.



Integrated, welded head tubes provide maximum durability. 6"x2" semi-pneumatic casters are a good choice for clearing thresholds.



Optional Dorsi / plantar adjustable angle footplates allow you to adjust angle with foot on footplate.



Adjustable angle rigidizing handle bar provides the greatest range of adjustment for caregivers short or tall.



Weight Shift Tilt-in-Space

The patented weight shift design of the Solara eliminates tilting the user around a fixed pivot point. As tilt is initiated, the pivot point on the Solara moves forward and down into the chair to maintain the position of the user's center of gravity. By keeping the user's center-of-gravity relatively constant, the falling sensation associated with pivot point tilts is greatly reduced. The startle reflex resulting from a falling sensation may result in changes in muscle tone which can interrupt functional activities or adversely affect positioning.

Durability

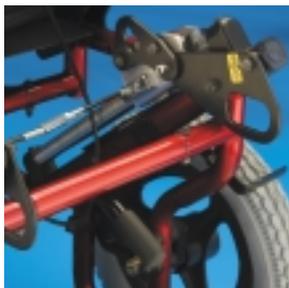
Today's mobility bases are expected to last much longer than in the past. No other tilt-in-space wheelchair design in its class has as much field-tested experience and proven durability than the Solara.

The Solara uses a steel gear rack and multiple, cable activated teeth for a secure hold in a tilted position. The welded steel side frames of the Solara provide a solid base that has proven to withstand the demands of some of the toughest tilt-in-space wheelchair users.

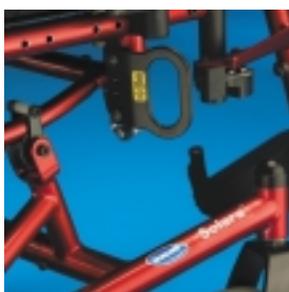
And you can have confidence knowing that Invacare-designed wheelchairs go through some of the industry's most rigorous performance testing before introduction and are backed by a limited lifetime warranty on frames and crossbraces.

Designed to Meet Positioning Challenges

Seating and positioning needs require a tilt-in-space mobility base to be highly configurable and easy to use. The Solara can be configured and adjusted to meet a variety of seating and positioning needs.



Rear transport tie down brackets are mounted where caregivers can reach.*



Front transport tie down brackets are attached to the seat frame and clearly marked.*



Transport locking pins should be used to lock gear rack when chair is transported by bus or van.*



55 Degrees of Tilt

With 45 degrees of posterior tilt, the Solara allows the caregiver to change the user's positioning throughout the day for comfort/pain relief, muscle tone management, pressure relief, feeding/swallowing and postural support. 10 degrees of anterior tilt facilitates additional positioning or transfers. A simple angle indicator provides caregivers with a point of reference when positioning the user for different activities.

Stable Base

With a wheelbase shorter than fixed pivot point tilts, the Solara balances the user within the footprint of the wheelchair. This provides maximum stability even when seating is mounted in front of the back canes. There is no guesswork or adjustment to balance the user within the base frame.

A flared front end adds stability to the chair and reduces interference between casters and legrests for users with tight hamstrings. Additionally, a flared front end provides clearance for erratic foot propellers such as consumers with traumatic brain injury or developmental challenges.

Transport Tie Downs

Transport Ready Option (TRO) is now available as an option on the Solara. Crash tested in accordance with today's ANSI/RESNA WC19 standard, Invacare has crash tested the Solara with its popular Personal Back™ 10 and Infinity® seat cushions, but offers transport tie down brackets on the chair for use with other seating systems as another option.*

*The TRRO Transport Ready Option pick on the Solara and Solara Limited order form includes transport brackets, a wheelchair anchored pelvic belt and transport locking pins. The PersonalBack and Infinity cushion must also be purchased with this option at an additional charge. No seating system is included in the base price of the wheelchair. Invacare recommends that wheelchair users NOT be transported in vehicles of any kind while in wheelchairs. As of this date, the Department of Transportation has not approved any tie down systems for transportation of a user while in a wheelchair in a moving vehicle of any type.



Yes, you can.™

Highlights

- Center-of-gravity remains consistent throughout 55° tilt range
- Dramatically shorter wheelbase
- Positive locking tilt mechanisms
- Easy to read tilt angle indicator
- Flared front-end provides more space for consumer's feet
- 350 lb. weight capacity with heavy-duty option
- Adjustable depth, adjustable angle back
- Telescoping rigging receivers to provide fine tune adjustment and caster clearance
- Attendant foot operated wheel lock with 12" wheel option
- Seat-to-floor heights as low as 14" and as high as 19.25" to accommodate different transfer options
- One axle plate accommodates all wheel sizes
- Transport tie down option available
- Reclining back option available

Specifications

Dimensions		Knee-to-heel†		
Overall	Flared frame, 12", 20" or 22"	90° Swingaway	min. 2.5"	max. 9.25"
wheels		70° Tapered	12.75"	16.25"
Width*	8.25" plus seat width	70° Swingaway	13.5"	16.5"
Length**	29.5" short seat frame	70° Swingaway MFX	5.75"	11.75"
	32.5" medium seat frame	60° Swingaway	13.5"	17.5"
	34.5" long seat frame	60° Swingaway MFX	9"	12.5"
Front and rear seat-to-floor heights***		Elevating Legrest††	15.5"	20"
Caster & Wheel		Arm heights††† (range adjusts in 1" increments)		
6" & 12"	16"-18.25"	Adjustable height dual-point	8.5"-12.5" conventional only	
6" & 20"	17"-18.25"	T-Arm	6"-10" add .5" for upholstered armpads	
6" & 22"	n/a		8"-14" add 1" for upholstered armpads	
8" & 12"	18"-19.25"	Cane options		
8" & 20"	18"-19.25"	Fixed-height	Straight cane 20", 24"	
8" & 22"	19.25"	†AT5543 reduces maximum knee-to-heel distance by 1.5."		

*Measurement taken at widest point on each wheel. Contact our specials department for frame modification that may reduce overall width of chair.

**Measurement taken without front riggings and anti-tippers.

***A 2" lower seat-to-floor height is obtainable when attaching the seat pan/seating system to the crossmembers instead of the seat rails.

†AT5543 reduces maximum knee-to-heel distance by 1.5."

††Measurement taken from front of seat pan to back of footrest

†††Measurement taken from top of seat rail to top of armrest.

ANSI/RESNA W/C19 sec 6.2 Presale Literature Notification

- Minimum turning radius 26.4".
Minimum turn-around width 42.4"
(17" W Medium Frame chair without footrests).
- Solara wheelchairs with Long Frame may be longer than 1220 mm exceeding the ADA definition of a common wheelchair and the minimum length requirements of lifts on public vehicles, and may therefore present particular difficulties accessing some vehicles.
- Total wheelchair mass = 72.5 lb (32.9 kg) -including front riggings, wheel locks, seat pan, TRO brackets, wheelchair anchored pelvic belt
Does not include seating
- Average lateral dummy displacement = approximately .657" (16.7 mm)
- Overall Score = 12
Overall Rating = C
- The Solara® tested was sized to accommodate a 170 lb. test dummy. (Medium Frame. 17"W X 18"D". 60 degree front rigging. 12" composite wheels. 12" pneumatic flat-free tires. Invacare® Infinity® seat cushion. Invacare Personal Back™ 10 seat system. 8" composite/pneumatic flat free casters.)
 - The Solara tested was tied down using four tie-down brackets - 2 brackets located near the front of the seat frame and 2 brackets located on the rear of base frame.
 - The Solara was tested with a 170 lb. test dummy
 - The Solara tested used a wheelchair anchored pelvic belt and vehicle anchored shoulder belt
 - The Solara tested complies with the performance requirements of ANSI/RESNA W/C19 sec 5.3.
- For all types of vehicles, the Solara requires four SAE J2249-compliant tie down strap assemblies for effective securement.
- When the TRRO or TRBKTS option is selected, the Solara provides a location for anchoring of an Invacare.- provided pelvic belt. This belt has been tested in accordance with ANSI/RESNA W/C19.
- The wheelchair anchored pelvic belt is supplied by Invacare.

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Patent pending.



"Invacare says 'Yes, you can'; and I couldn't have said it better myself."

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Form No. 04-036