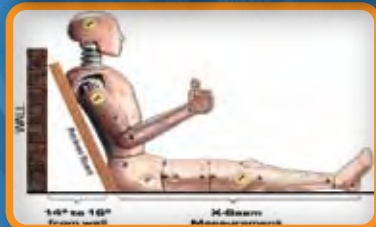


Sun Ergonomic Recumbent The Spinal Orthotic

- The Patented **BackSafer™** True-Comfort seat with its rigid frame and padded hard shell, provides a seating position that takes weight off the wrists and distributes weight evenly over the rider's back, lumbar region, pelvic bones and buttocks.
- **Very beneficial to individuals suffering with Back Pain, Spinal Disc Disease, Sacroiliac Conditions, Prostate Gland Enlargement (BPH) or knee problems**, who would otherwise need to restrict or stop cycling altogether.
- As reported on the **ABC-TV newsmagazine, "20/20"**, riding standard bicycles can cause penile numbness and possible impotence. Recumbents don't place pressure on sensitive body parts or the perineal nerve.
- Riding an **Ergonomic Recumbent** is a great way to help individuals continue exercising without putting added strain on their back and hip joints. It is **ergonomically designed to properly support the spinal position and promote proper body weight distribution** for both recreational and distance cyclists.
- The **Ergonomic Recumbent** is great for physically active baby boomers suffering with inevitable **tennis elbow, back pain and knee problems** and is looking for ways to maintain their health and fitness routines without exacting a toll on their aching bodies.
- Our **E-3 Ergonomic Recumbent Trike** is great for individuals with balance problems or those who never learned to ride a 2-wheeler.
- **With improved all around vision**, riders can comfortably take in the sights from an upright position, rather than having to hyper-extend their neck.
- **In general, recumbents are safer than standard upright bicycles.** When you fall from an upright bike, you tend to go head first onto the pavement. On a recumbent bike, you're leaning back so if you fall, you may escape with only a few scrapes on your lower extremities. There's less risk of head injury because the rider is less likely to end up diving over the handlebars in a sudden stop as often happens on an upright bike. But please always remember to wear a helmet.
- **The recumbent position allows the rider to be much more aerodynamic.** Less energy is spent overcoming wind resistance resulting in a more enjoyable ride.

How to Measure Your X-Seam



	X-Seam
E-1 BIKE	SX 34 - 47"
E-3 TRIKE	SX 33 - 45"

SUN

Specifications*

	E-1 Bike	E-3 Trike
Frame: High Tensile Tig Welded Steel	x	x
Fork: High Tensile Blades Cro-mo Steerer	x	x
BB: Loose Ball 68mm	x	x
Crank: Alloy 170x52/42/30 (steel rings)	x	x
F. Derailleur: Shimano	x	x
R. Derailleur: Shimano	x	x
Shifter: Sram	x	x
Freewheel: Sram 11-32 8 Speed	x	
		Shimano 14-28 7 Speed
Pedals: Alloy Cage	x	x
Brake Front: Alloy Linear Pull	x	x
Brake Rear: Alloy Linear Pull	x	
		Winzip Single Mech. Disc
Brake Levers: Alloy Linear Pull	x	
		Alloy Linear Pull w/Parking Lock
Hub Front: Alloy Q/R	x	x
Hub Rear: Alloy QR Cassette	x	
		Alloy Sealed Bearing Trike
Rim Front: 20x1.75 Alloy	x	
		16x1.75 Alloy
Rim Rear: 20x1.75 Alloy	x	x
Spokes: 14g. Stainless Steel	x	x
Tire Front: 20x1.50 BW Kenda Kwest	x	
		16x1.50 BW Kenda Kwest
Tire Rear: 20x1.50 BW Kenda Kwest	x	x
Saddle: Back Safer True-Comfort	x	x
Capacity: 300lbs	x	x

*Specifications subject to change with out notice

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Sun Ergonomic Recumbent The Spinal Orthotic
ERGONOMIC RECUMBENT

TRUE COMFORT ON A BIKE



Sun Ergonomic Recumbent
 The Spinal Orthotic

BACK SAFER

The **BackSafer™** True-Comfort seat was designed in conjunction with the world renowned **Logan College of Chiropractic Ergonomics Institute**. The Institute, which conducts ergonomic research for Automotive and Consumer Products Industries, was instrumental in the development of BackSafer™'s True-Comfort seat shell and position of the crank in relationship to the seat. The seat configuration and pedal boom angle positions riders for proper spinal alignment, optimal comfort and maximum power of your leg muscles.



ERGONOMIC RECUMBENT

www.sunbicycles.com/backsafer



BACK SAFER
www.sunbicycles.com/backsafer



Ergonomic upright head position eliminates neck strain and provides a level view for easy eye contact with automobile drivers.

Ergonomic hand and arm position eliminates pressure on hands, wrists and shoulders.

The Ergonomic Recumbent provides a relaxed and natural ergonomic seating position.

Natural reclined position provides hours of comfortable pedaling.

Patented BackSafer™ True-Comfort seat offers complete back support with its medically designed contours.

Fully adjustable to fit most riders.

Upright posture allows the diaphragm to expand freely for improved breathing.



Back Safer True Comfort Seat with lumbar support

Easy Shifting with SRAM® Twist Shifters

Easily Adjustable forward and aft positions to fit most riders

Fully Adjustable Handlebar for desired Comfort

Back Safer True Comfort Seat with lumbar support

Easy Shifting with SRAM® Twist Shifters

Fully Adjustable Handlebar for desired Comfort

Heavy Duty X-Frame design for durability

Linear Pull Front & Rear disk brake for excellent stopping power.

Easily Adjustable forward and aft positions to fit most riders

Heavy Duty X-Frame design for durability

Linear Pull Front & Rear brakes, for excellent stopping power

2 Rear wheels for excellent stability

21-Speed SHIMANO® Drive Train to tackle all conditions

Light weight aluminum wheels with stainless steel spokes for excellent corrosion resistance

24-Speed SHIMANO® Drive Train to tackle all conditions

Light weight aluminum wheels with stainless steel spokes for excellent corrosion resistance

E-3 RECUMBENT TRICYCLE

E-1 RECUMBENT BICYCLE