

Paula Ray and Ulrich Trojer along with mechanical engineer, Patrick Egan of Advanced Racing Technologies (ART) redesigned the traditional push scooter frame to create a high-tech vehicle that promotes low-impact, strength-building exercise while also maintaining proper posture.

It's U.S. patented ergonomic frame provides:

- A low center of gravity which increases safety
- More open architecture for greater range of movement
- Adjustable height and higher load capacity for the adult rider (1000lb. static weight load capacity; 333lb. dynamic weight load)
- FEA (Finite Element Analysis) rating the frame at a high level of safety
- Prevention-of-injury stream line design with recessed quick-release levers and rear brakes mounted under the frame

Additionally, studies on quick and neutral steering from the Mountain Bike industry were used to determine the head tube angle to optimize handling and ride. Patrick's background in vibration studies and robotics along with ART's innovative approach to problem solving helped create a safe and durable frame and a scooter that is FUN to ride.

Industry standard bicycle parts for ease of replacement are used and continually researched for quality and performance. Specialists in the bike industry have been consulted to insure that high-pressure tires and hubs provide exceptional handling and ride and that front and rear brakes have optimal stopping ability meeting or exceeding USA standards. Additional options added for the comfort and safety of the rider include a lightweight removable basket, mudguards and a safety bell.

The commercial model is available for purchase. Stride Glide™ Ilc is continually researching market demand and materials for future models.

Specifications

Length: 49.5" from fork to rear bracket.

Overall length: approximately 70" - varies with tire size.

Deck Clearance: 4.5" to 5" pending tire size.

Deck: designed for two footed travel and big feet: 5.375" by 17.25".

Brakes: V-brakes front and rear.

Tire Size: 20x 1.95 with quick release levers.

Tire options: Kenda Kickzumbut 100psi or K-rad all terrain 65psi. (We recommend high psi for road travel as it increases the glide and overall performance.)

Frame

The StrideGlider™ is an innovative exercise vehicle that offers greater freedom of movement, stability, balance and maneuverability than a traditional bicycle or scooter. Many kids and adult-sized scooters limit the range of movement for the rider with the down tube attached to the platform at 90 degrees; however, the StrideGlider™ has a greater angle and is specifically engineered for "freedom of movement" exercises. Downtube angle was increased to 110 degrees to increase the range of motion when doing exercises or just striding. The head tube is set at 23 degrees between neutral and quick steering thus allowing both the fun of quick steering and the safety of neutral. The rear angle is 35 degrees. The frame is 100% chromoly 4130 steel with a square tube platform to add strength and to prevent the kicking leg from hitting the wheel releases - a common problem on most other models.

Hardware & Options

All bike parts are imported, but our frame is USA made. StrideGliders™ are available in Firecracker Red.

Optional klick-fix basket, and custom corporate labels are available.