

STREAMLINE – CONCEPTUAL DIAGRAM

Streamline consists of parallel rollers connected by a mechanical propulsion system. The front wheel is equipped with a one-way anti-backward-rotation mechanism (ratchet).

When the user pushes the rollers against the ground, the anti-backward mechanism prevents the front wheel from rotating backwards. This allows the user's movement to be converted into forward propulsion.

When the user moves forward, the wheel is free to rotate in the forward direction. The one-way mechanism therefore plays a key role in producing and maintaining forward motion.

The result is a new form of human-powered sports equipment combining balance, leg movement and mechanical propulsion.

anti-backward-rotation mechanism (ratchet)

