

Bicycle Rear Derailleur

A bicycle rear derailleur shifts gears by moving the chain between different sprockets on the rear cassette. It consists of a parallelogram linkage, two pulleys, and a cable attachment mechanism.



Product Overview

High-Performance Gear Shifting

This bicycle rear derailleur is a crucial component designed for precision gear shifting within a bicycle's drivetrain. It utilizes a parallelogram linkage to move the chain smoothly between sprockets, ensuring efficient power transfer and a reliable ride. The integrated tension and guide pulleys work together to maintain optimal chain tension and alignment across various gear ratios.

Technical Design

Pulley Components

- Guide pulley for precise chain direction
- Tension pulley for chain slack management

Actuation Mechanism	Parallelogram linkage with cable attachment
Core Features	Lateral Movement, Chain Tensioning, Sprocket Alignment, Cable Actuated

Functional Specifications

System Compatibility

Rear Cassette • Cable Shifters • Standard Drivetrains

Primary Function	Shifting gears by moving the chain between rear cassette sprockets
------------------	--