

# 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