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## Hybrid Bike

First introduced in the late 80's hybrid bikes are generally ridden for leisure and short commuter journeys (under 10km).

They combine the design characteristics of mountain bikes, tourers and road bikes and are designed to meet the requirements of city and trail riding. A good 'all rounder', the hybrid design is the most popular selling bike in the UK.

They usually have wider tyres and wheel rims than road bikes and tourers making them able to handle the uneven surfaces of cycle paths and potholed roads. Tyres are generally multi-condition, in that they have a smooth centre line for efficiency on tarmac combined with a 'knobbly' outer tread to give good traction if the bike is ridden off road.

Frame geometry and straight handlebars make for an upright riding position providing good visibility to and of the rider. Typically hybrids are equipped with many gears that are operated via handlebar mounted or handgrip controls. Hybrids can be fitted with mudguards, racks and panniers if desired. Saddles are typically broad and padded for comfort.

### Frame shape and dimension:

Diamond frame from 13-23 inches with sloping top tube.

### Wheel size and wheel inner rim to inner rim:

700c and 47.5cm average distance.

### Gears:

21-27 derailleur gears. Often 'twist shift' operated from hand grips.

### Brakes/Levers:

Cantilever or linear pull brakes.

### Typical accessories:

Mudguards (short), Lights. Rack. Computer.

### Strengths:

- Multi use.
- Good visibility and vision.
- Easy, accessible gearing.



### Weaknesses:

- Can be heavy