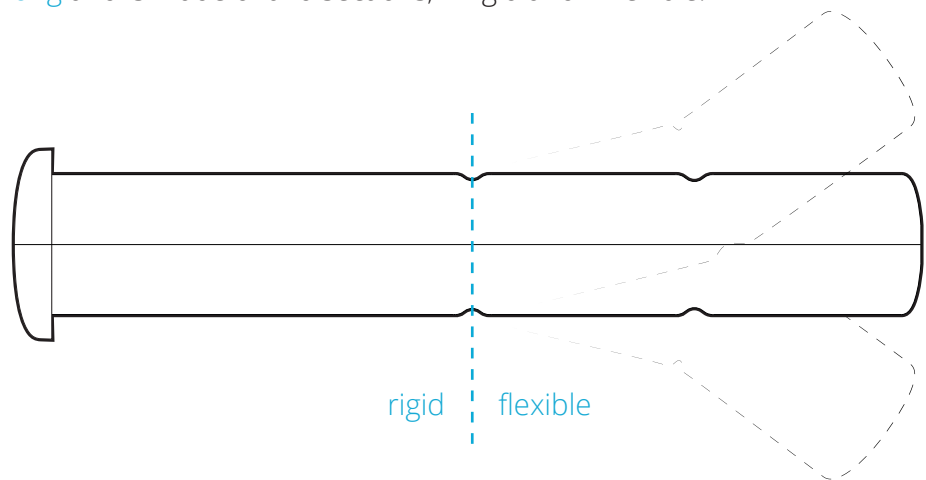# sherlock

the invisible GPS anti-theft tracker for bicycles
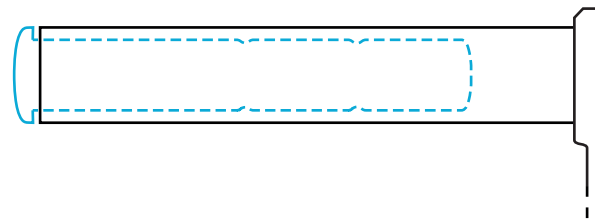
Compatibility document
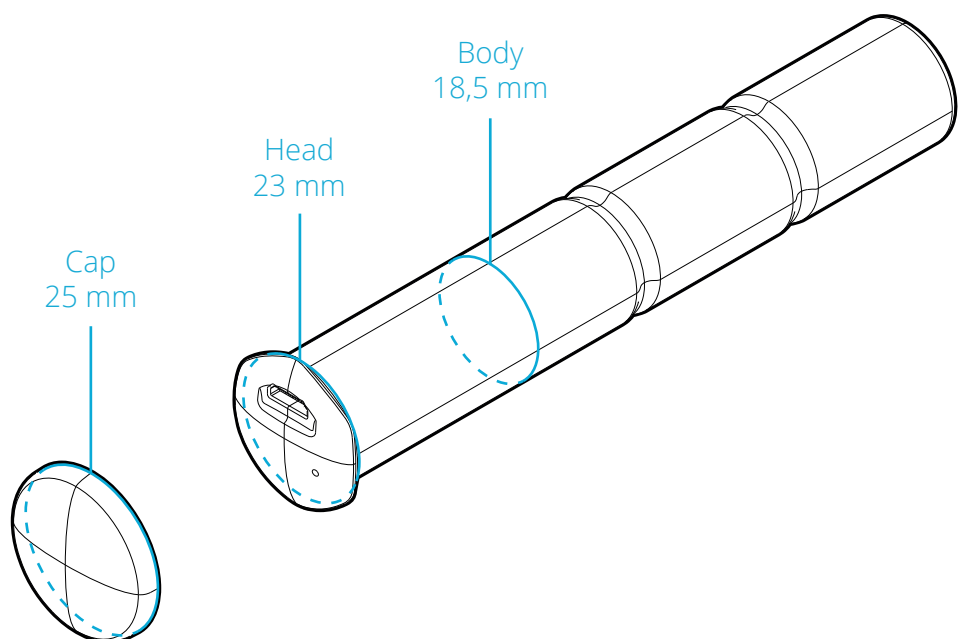
The device

Sherlock is 120mm long and is made of two sections, 1 rigid and 1 flexible:

rigid | flexible

It is designed to be inserted inside the handlebar, leaving only the "head" outside.

The other dimensions characterizing the device are the diameters of the body (18,5 mm), the head (23 mm) and the cap (25 mm).
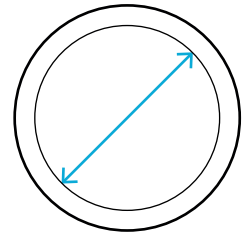
Body
18,5 mm

Head
23 mm

Cap
25 mm

Handlebars

There are 3 requirements for Sherlock installation:

1 - Cross-section

The handlebar internal diameter must measure between 19 and 23 mm.
If it is wider than 23 mm, the device may "fall" inside the handlebar.
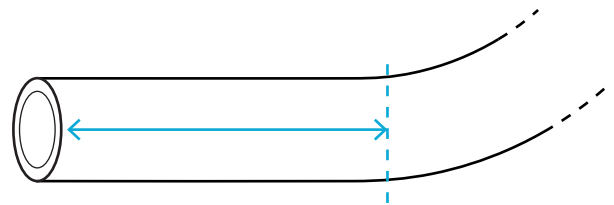If it is tighter than 19 mm, the device may not enter at all.

19 - 23 mm

2 - Straight bar end

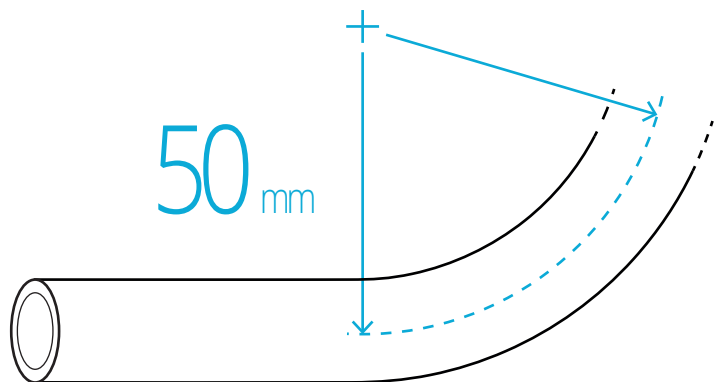If the handlebar is not completely straight, its first 60 mm must be so.

60 mm

3 - Curve radius

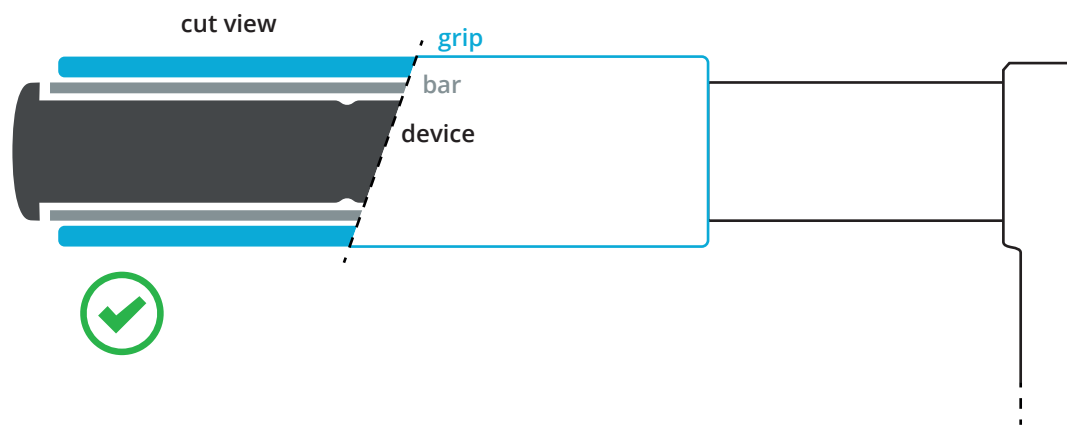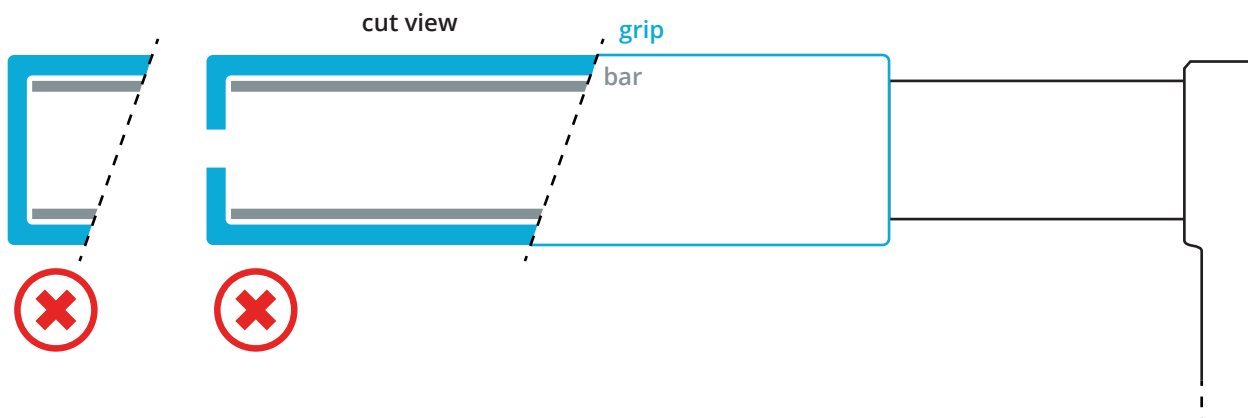The following 60 mm must curve with a median radius greater than 50 mm.

50 mm

Grips

There is plenty of different grips on the market, so we are going to state general rules that influence compatibility.
We encourage any solution that doesn't modify the product or cover its "head".

Grips that wrap around the bar, without exceeding it, cause no trouble:

cut view

grip

bar

device

If the grip closes the bar end completely, or leaves a hole smaller than 19 mm in diameter, it is not compatible with Sherlock. You can hack your grip, given that you don't modify the product or cover its "head".

cut view

grip

bar

Bar tape

When installed, Sherlock looks like an end bar cap and actually, it works the same.

If the handlebar inner diameter is large enough, the bar tape can be folded between the device and the handlebar inner wall.

If there's too much room, we suggest to wrap some adhesive tape around the device to reduce it.

cut view

tape

bar

device