

BENTLEY COMPONENTS



Mark Bentley is the man [and mustache] behind Bentley Components. He is an engineer for scientists by day and creator of beautiful bike parts by night. I started working with Mark 15 years ago when we both worked together at iconic British MTB and suspension brand Pace. He is an extremely talented designer, tool maker and CNC engineer. We are fortunate and grateful to be able to regularly collaborate with him on designs for Fairlight. He understands materials and specifically how to machine them and their limits; there is an enormous value in his hands-on experience. We are very proud to have the Bentley logo on our products and it truly is a mark of quality.

With first sketches of the new Mk II dropout all the way back in 2018, we are finally able to launch the new designs on the Strael 3.0! As with the Mk I all of the function is on display. If you saw the dropout and knew nothing about bikes, you would know straight away it was a technical part of the highest quality made for a specific functional purpose.

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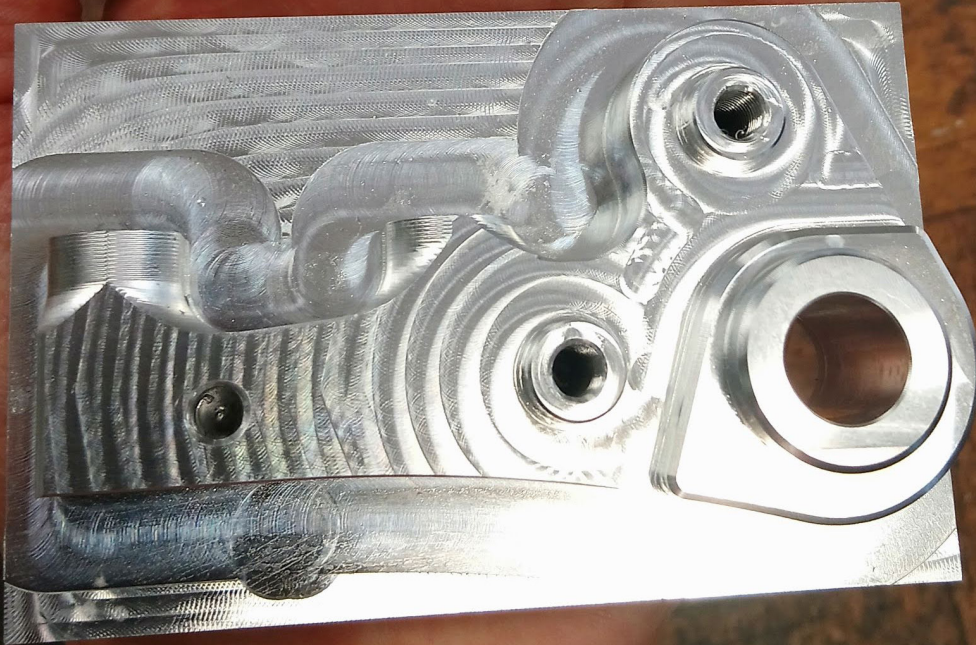
Fairlight x Bentley Mk II Dropouts

Visually there are some familiarities between the original dropout and the new Mk II version. The main difference is that the dropouts are now completely modular; the axle housing and disc mount are made from one piece of aluminium, while on the drive side the axle housing and hanger are also a single piece. Both sides are completely removable and replaceable. The stainless washer plate detailing remains but the plates are now larger and have multiple functional purposes. Firstly and most importantly, the plates act as washers for the mechanical fixing of the inserts to the frame. Secondly they provide useful space for detailing and torque information, such as the axle torque (12Nm); now visible directly beside the axle head. Finally we've used the stainless plates to act as protectors for the mudguard and rack eyelet. The eyelets are a common place for paint to chip when fitting mudguards and/or a rack.

The steel parts of the dropouts are 'fillet brazed' together and the ends of the stays are ground and hand filed to give a seamless transition between the tubes and the plate; these techniques are usually only reserved for the custom world. The aluminum inserts are CNC machined (as oppose to the cheaper mass production method of 'casting') because the level of machining detail from CNC really says everything about how much care we put into our products. We are really proud to be able to show you what is beneath the paint.













Please note: Threaded hole on the base of the disc side insert is for routing of a rear dynamo wire. More info later in the document.











Here you can see how the plate protects the paint for the mudguard and rack eyelets, providing a stainless face to attach the parts to.

