

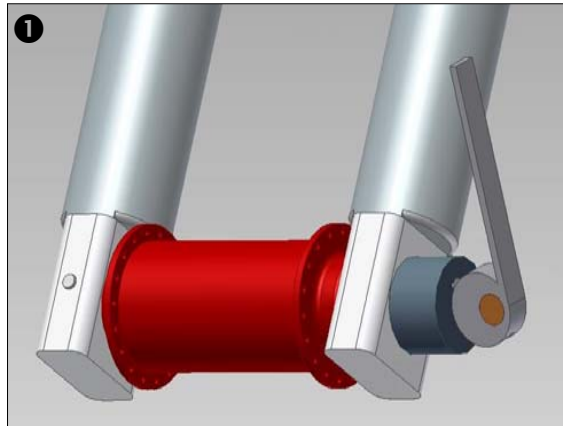
## Necessity is the mother of all invention:

In designing the Hartlett quick release axle mounting system (the Hartlett) we wanted to improve on current bolt-thru axle designs and create an axle system that is as stiff as current designs, but with the added advantage of a true quick release. And that's precisely what we did.

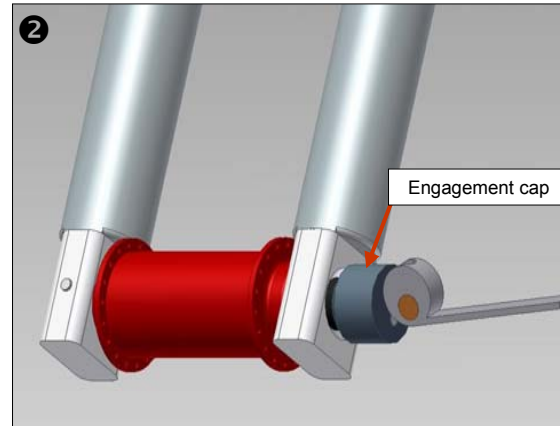
## The Hartlett Advantage:

- **Quick release** – The Hartlett is a simple, intuitive, one handed quick release axle system that requires no tools for use.
- **Stiff and secure** – The Hartlett maximises torsional rigidity by combining closed bore dropouts with the secure clamping of both fork legs onto the hub. It also addresses current safety issues surrounding the use of disc brakes with traditional style quick release wheels.
- **Applicable for front and rear wheels** – The Hartlett is ideal for both front and rear bolt-thru axle designs and can be used with a wide range of axle diameters.
- **Suitable for all markets** – The Hartlett challenges the preconception that bolt-thru axles are solely for DH and FR applications. Not only is it ideal for these riding styles, but its simple design can be made lightweight for XC riders and racers. Also, the simplicity of the bayonet fixing and sliding engagement cap means that the Hartlett is virtually unaffected by sand and dirt.

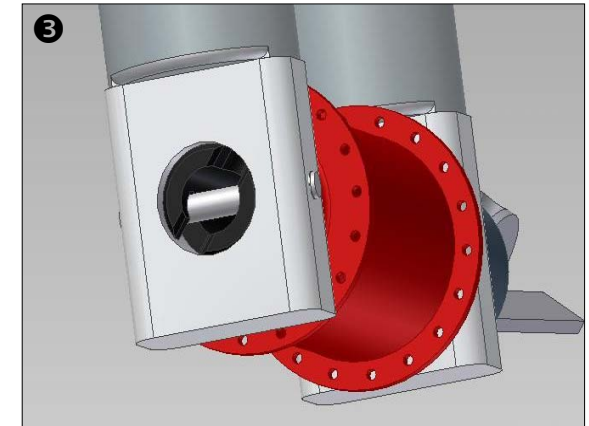
## How it works:



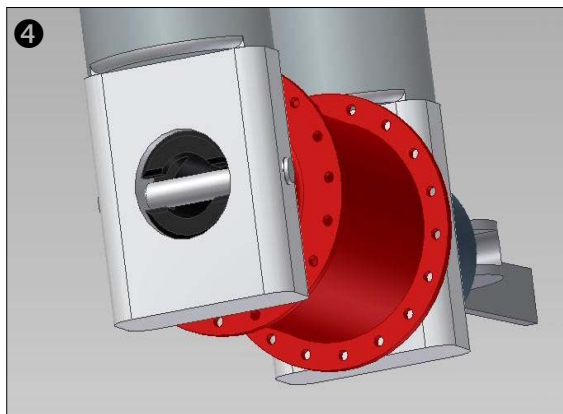
**ONE** – Axle system in 'closed' position.



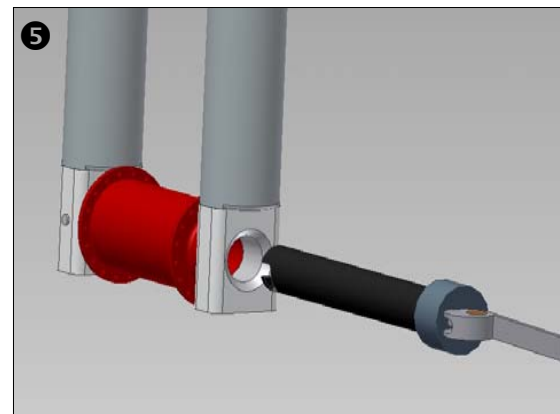
**TWO** – Open QR cam lever to loosen engagement cap. Axle is a close fit with dropout – any potential axle movement is taken up with a chamfer fitting on the engagement cap.



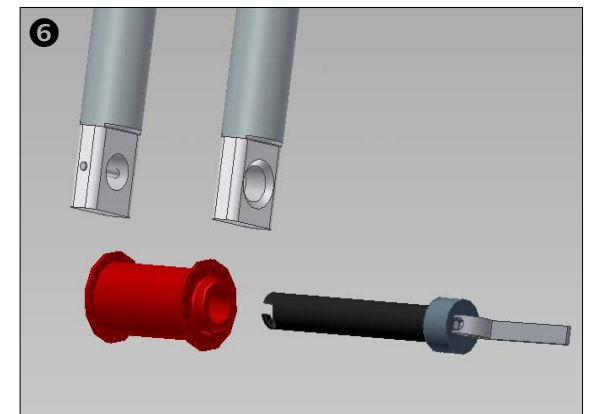
**THREE** – Twist engagement cap counter clockwise to disengage bayonet axle fitting.



**FOUR** – Once bayonet fixing is disengaged the axle is free to be pulled out of the dropouts.



**FIVE** – Axle is removed from dropouts. Hub and wheel are free to be removed.



**SIX** – Axle and hub in 'open' position. To fit the wheel just reverse this procedure.