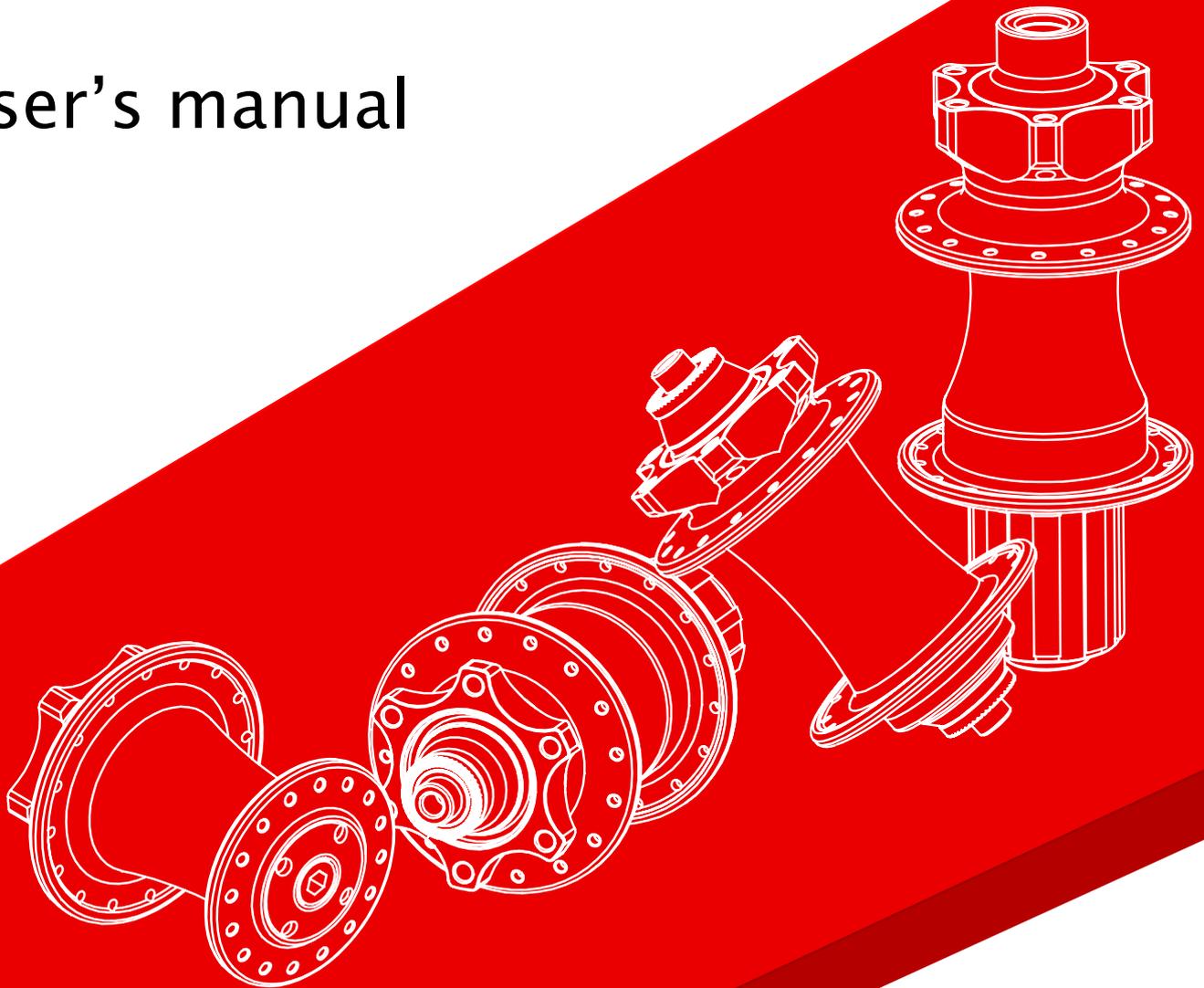


ciivee

CNC COMPONENTS

MT5 Hubs

User's manual



INTRODUCTION

The range of Aivee state of the art equipments is the result of the research and development department studies supervised by a team of enthusiasts, always attentive to the needs of users. Thus, the Aivee signature is the guarantee for quality on all roads, tracks and paths.

Aivee is based on three fundamentals: emotion, innovation and accessibility. Our challenge is to encourage emotion and give pleasure to the greatest number of athletes and enthusiasts. Our goal is uncompromising, render a premium brand accessible, affordable products, leading the way to adventure !

PRESENTATION

MT5 hubs (for Mountain Bike) have been designed to reach a simple target : increase life expectancy, the engagement quickness, the stiffness and the hub geometry while keeping a limited weight. To do this, Aivee CLASSIC hubs have watertight bearings and a needle roller lubricated with a grease specially developed for our hubs. The use of lip seals increases the watertightness of the hubs. Hubs have been drawn to have 42 engagement points, thanks to 3 pawls. The stiffness is improved by using big size flanges. Finally the geometry has been carefully designed to offer less stress in spokes and the hub as possible. Flanges are inclined to be lined up with the traction force of spokes.

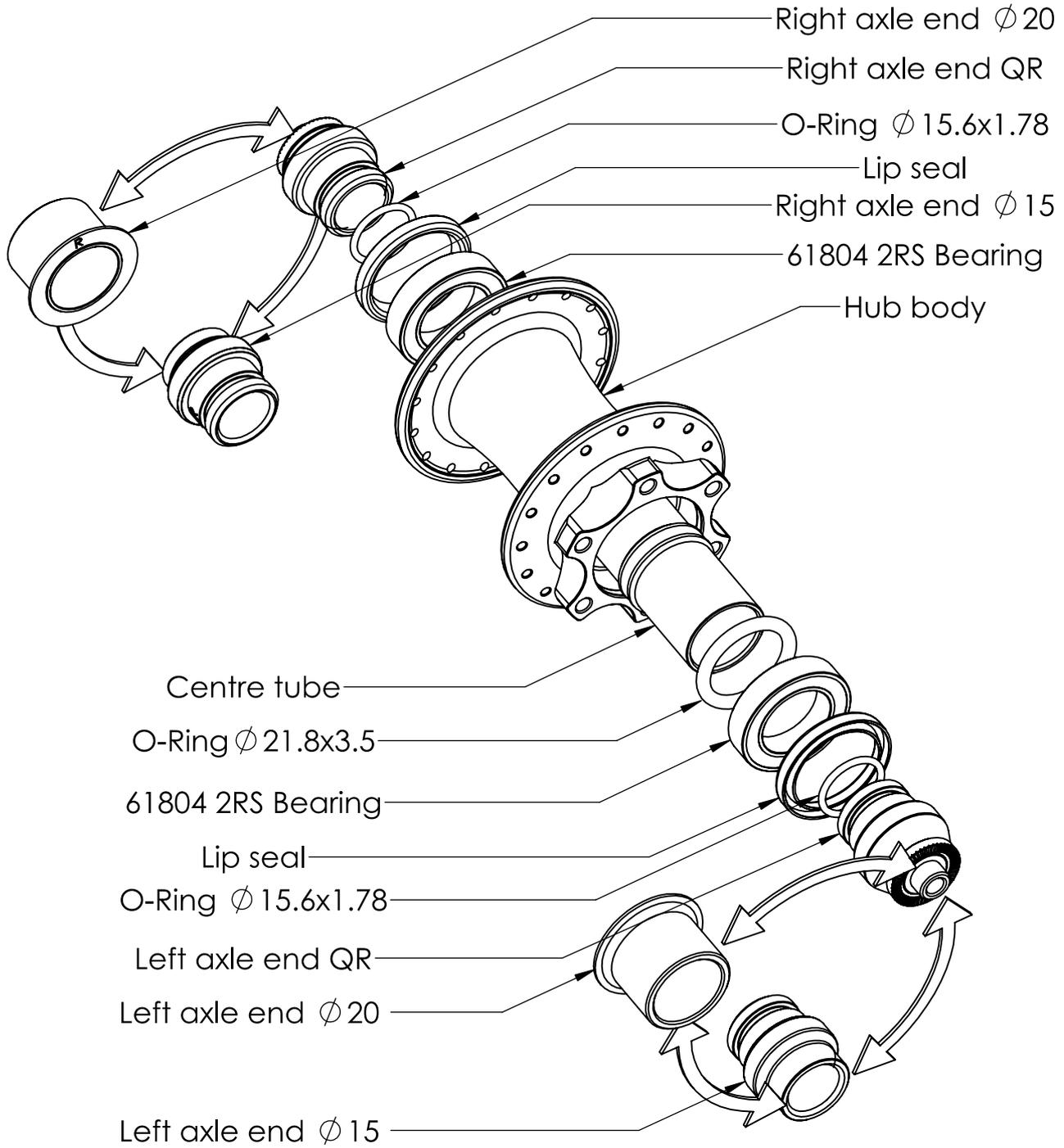
The MT5 range is a hub range made for MTB fanatics who search reliable equipment which guarantee the best geometry while keeping a competitive weight.

MOUNTING

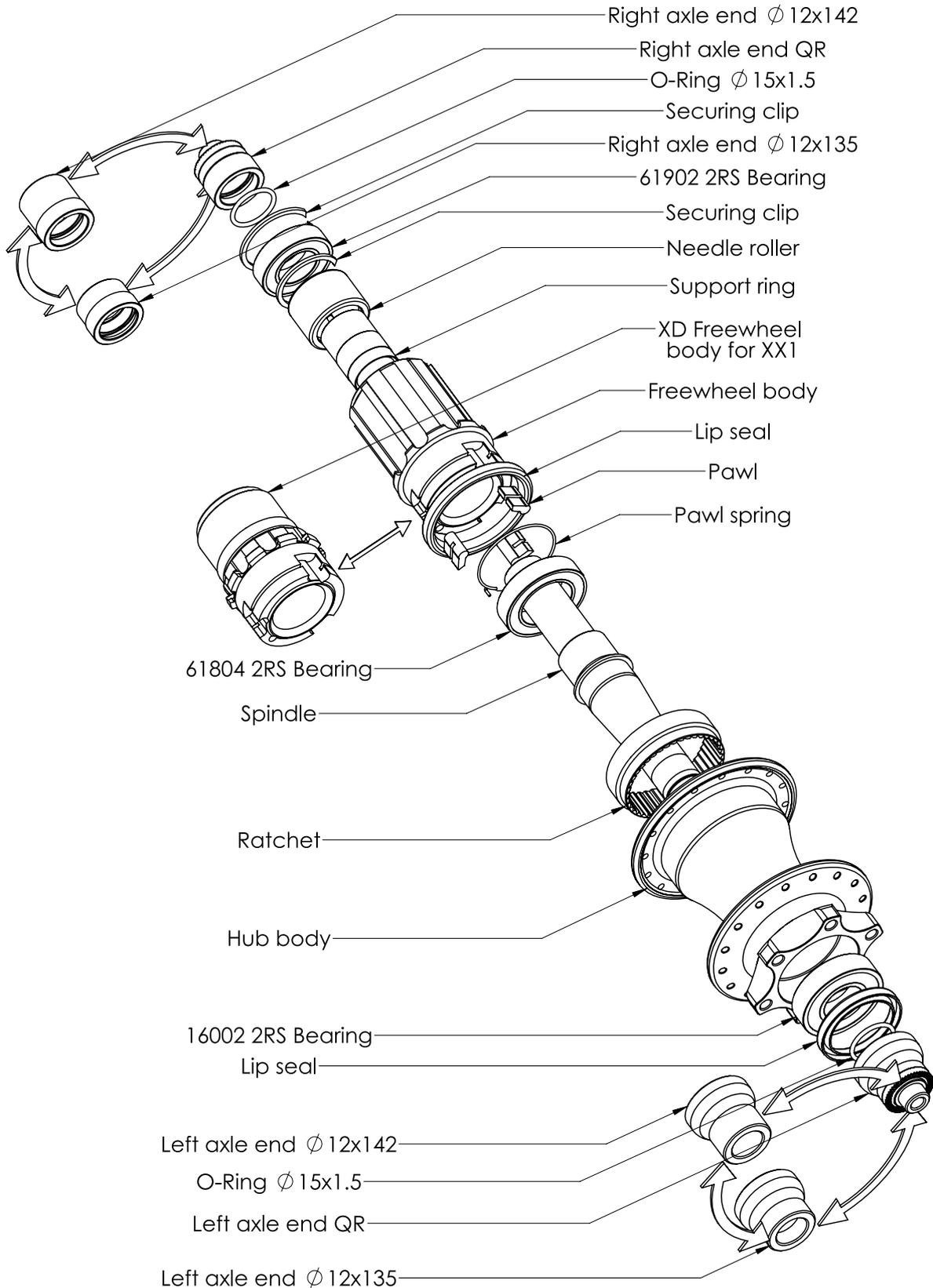
The spoke tension must not exceed 1200N. MT5 rear hubs and MT5 DH hubs are designed to work with a cassette which has a spider.



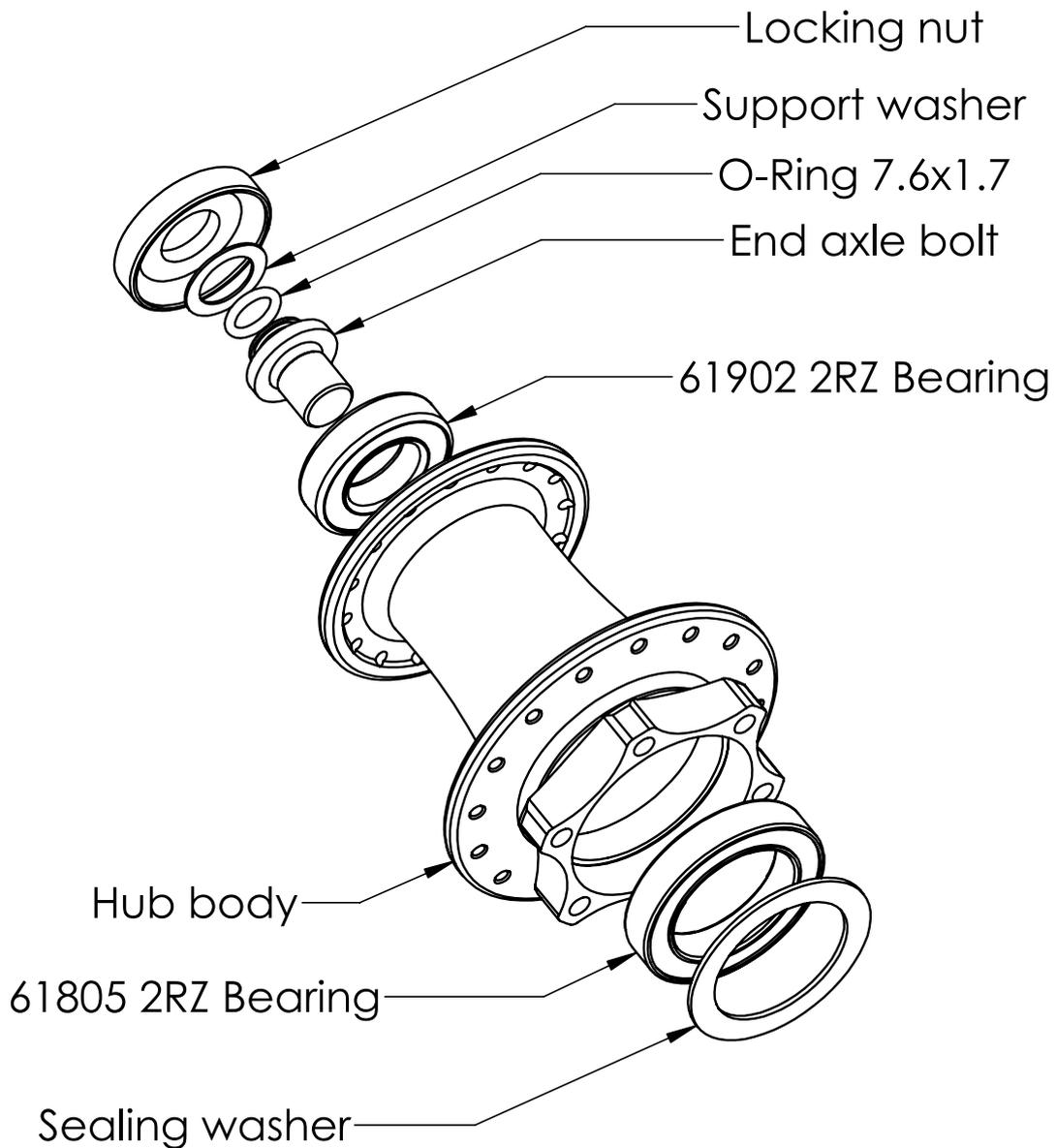
FRONT HUB



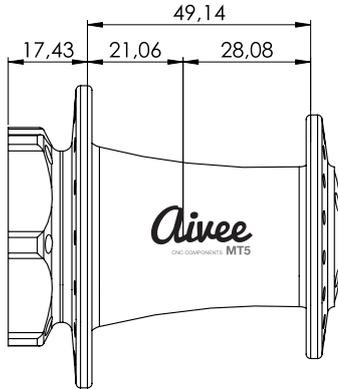
REAR HUB



LEFTY HUB

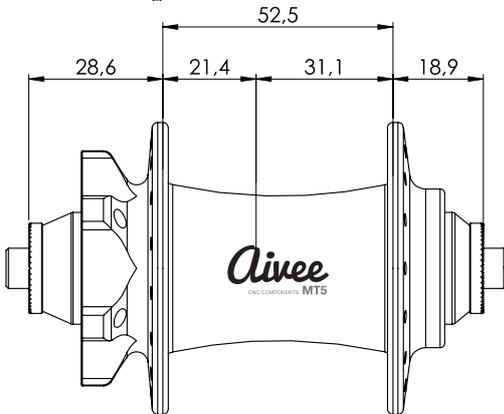
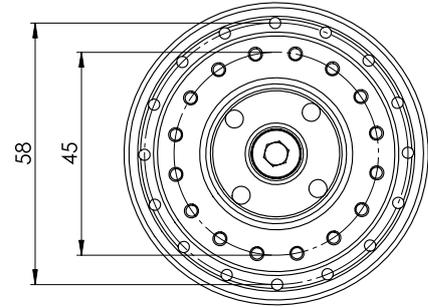


GEOMETRY



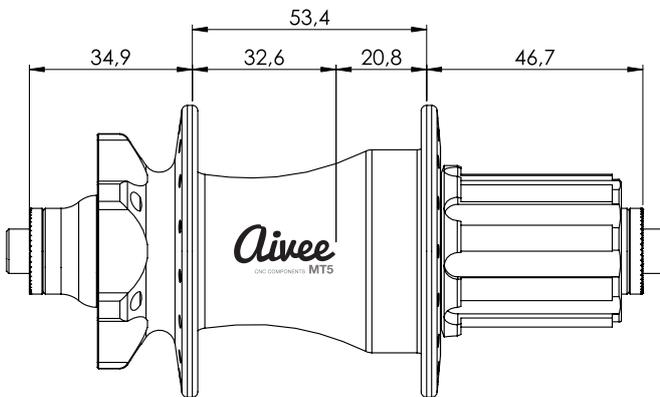
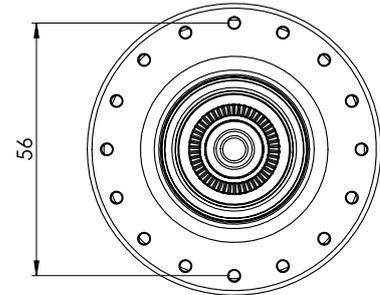
Weight :

118 g



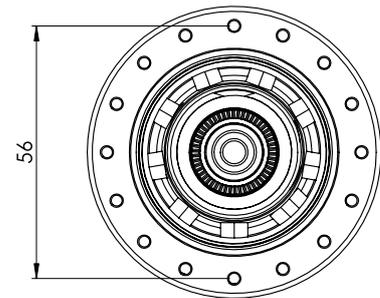
Weight :

190 g (QR)
176 g (Ø 15)
170 g (Ø 20)



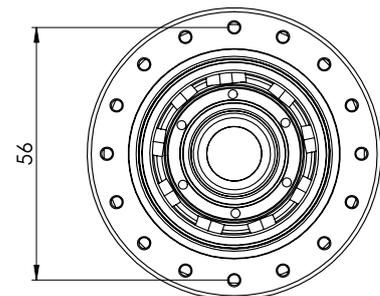
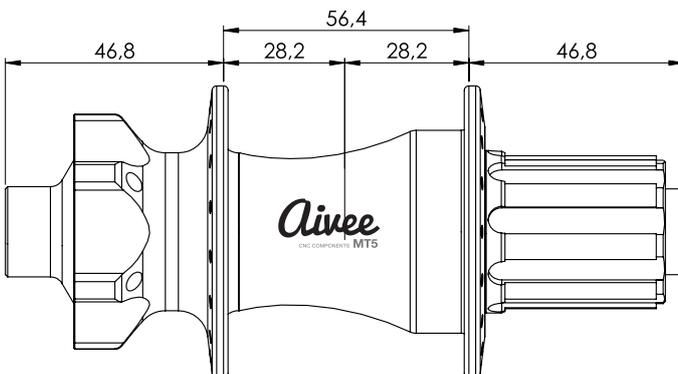
Weight :

328 g (QR)
326 g (12x135)
330 g (12x142)



Weight :

XXX g



CONVERSION

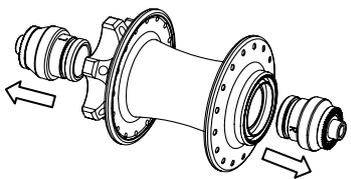
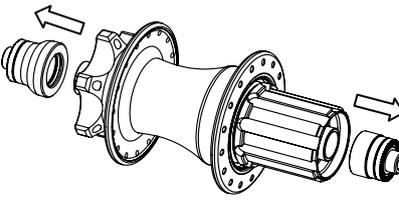
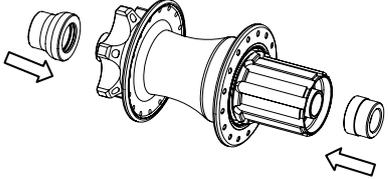
MT5 hubs are compatible with 9 mm axle (QR), 15 mm axle and 20 mm axle for the front hub, with 10 mm axle (QR), 12 mm x 135 and 12mm x 142 for the rear hub. The conversion between all of these standards has been designed to simplify this task. It's very easy to change axle ends.

Note : - Lefty hubs and MTS DH hubs are not compatible with other standards.

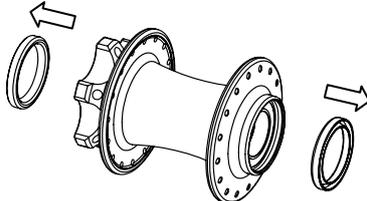
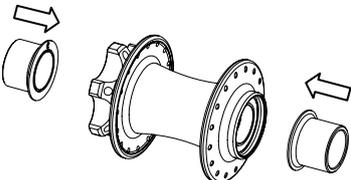
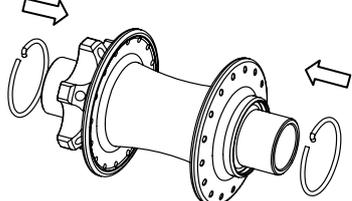
- Rear hubs are compatible with the XX1 standard via a specific freewheel body kit. It is possible to change the freewheel body by purchase it separately.

Front hub / Rear hub

9 mm (QR), 15 mm axle or rear hub :

		
<p>a) Remove the axle end mounted on the hub (9 mm or 15 mm). If needed, pull strongly to take it away, it is due to the O-ring which holds in place the axle end.</p>	<p>b) Le même système est utilisé pour le moyeu arrière.</p>	<p>c) Insérer les autres embouts en butée contre les roulements. d) Vérifier si le joint à lèvres est bien monté et s'il n'est pas endommagé.</p>

Moyeu avant pour axe de 20mm

		
<p>a) Remove axle ends, and then remove lip seals.</p>	<p>b) Put the 20 mm axle end into the hub until it bottoms out.</p>	<p>c) Put the retaining clip into the groove of the hub.</p>



MAINTENANCE

AIVEE MT5 hubs are designed to resist. With a little of maintenance, they will be more efficient. When you are accumulating muddy rides, don't hesitate to clean your hub.

Front Hub

To clean the front hub, you must remove easily axle ends and lip seals from the hub. Then, remove the mud and the dust that can bother the bearing functioning. Grease elements and assemble the hub.

Rear Hub

To clean the rear hub, remove an axle end using two adapted hex keys. Remove the cassette body by pulling it. Then clean the ratchet and pawls if needed. Grease elements and assemble the cassette body into the hub body. Screw adapted axle ends with two hex keys with an 8 Nm tightening torque.

This is possible to set the prestress on the bearing by modifying the thickness of washers. You can add or remove a washer between the left axle end and the bearing. You must have an good value of prestress to not damage bearing.





SAFETY WARNING

This user manual contains important and useful information regarding the installation, operation and maintenance. Please read it carefully and follow the instruction of installation as detailed in this user guide.

If you have any doubt regarding your ability in installing, please consult your AIVEE dealer and seek the assistance of a professional bicycle mechanic.

Incorrect installation or use may impair performance and could result in a dangerous situation leading to serious injury or death. Components that have experienced excessive wear, deformation, impacts or any other damage, need immediate professional inspection and replacement by a new AIVEE component.

MAINTENANCE

Do not clean your hub with a high-pressure cleaner, this could cause water infiltration and the damaging of some components.

Inspect your AIVEE product before each ride check the dent and its looseness.
Parts after fall or crash should be inspected by professional bicycle mechanic.

WARNING

Continuing to use damaged parts may lead to loss of control and could cause serious injury or death.

Cyclists should inspect their bicycle and parts regularly. He should check bolts and other fasteners periodically for tightness, in order to determine the need for service and to detect any damage that may have occurred from normal use.

For more information, please contact us.

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CNC COMPONENTS

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