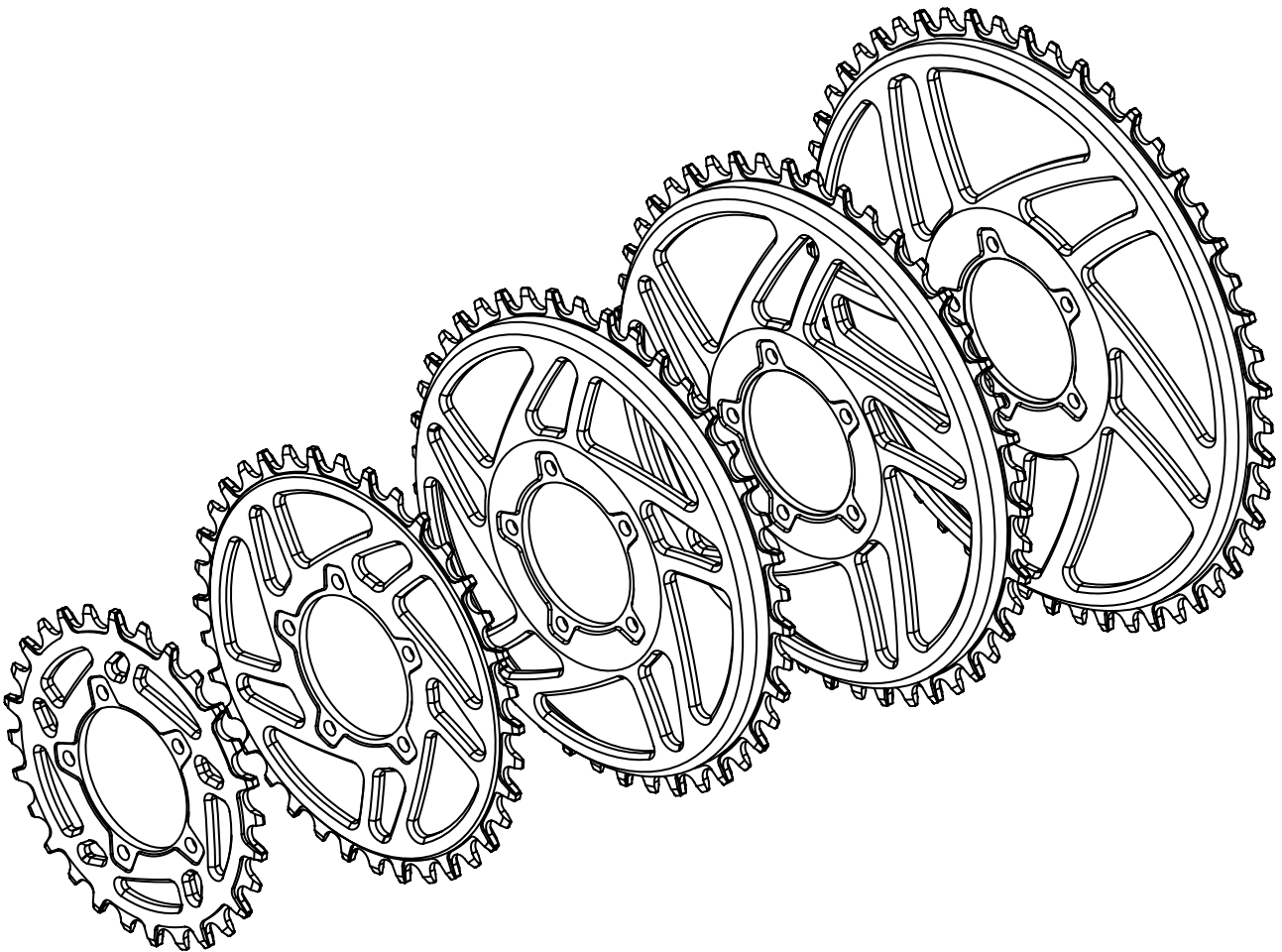


lekkie®

BLINGRING 01/02 USER MANUAL



DOC V2.1

BLINGRING 01/02

Compatible with Bafang BBS01, BBS01B, BBS02, BB02B

The Lekkie BlingRing is the ultimate chainring for your Bafang BBS01/02 converted bike. BlingRings are optimised for the best possible chain line, with spacers available when needed. With sizes ranging from the 28T for hill climbing, up to the 52T for speed machines.

All aspects of performance and durability were considered during the design process with the utmost emphasis on quality and finish.

A narrow-wide tooth pattern reduces chain derailment and increases durability by thickening the teeth. 7075 Heat treated aluminum means we can get the weight to a fraction of the stock steel ring but retain the tooth hardness.

Choosing the right BlingRing

28T 01/02 : Great for climbing, but may push your chainline wide due to the motor design. Often a good fit on fat bikes or cargo bikes when chainline isn't an issue.

36T 01/02 : Like the 28T, a great climbing ring but chainline will be wider than an offset ring.

40T 01/02 : Generally will give you the best chance of getting a decent chainline. The smallest possible diameter ring you can get with good maximum offset (towards the frame). Requires the Lekkie HD DriveCover and minor motor modification to achieve maximum offset.

42T 01/02 : The most popular size BlingRing , Provides good offset ability in most bike frames, without the need for other parts.

46T 01/02 : Getting faster, A great ring for a quick commuter, may need to be run wide to clear the wider chainstays on MTB frames.

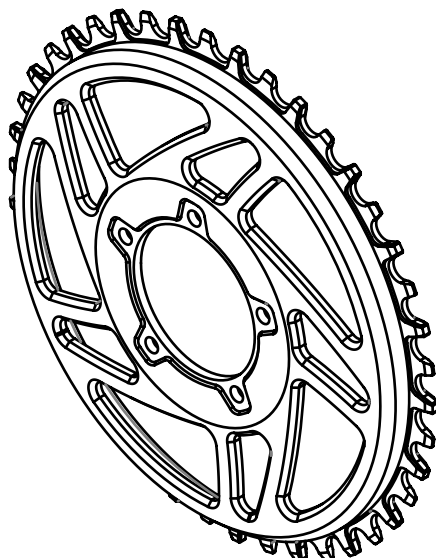
52T 01/02 : A large diameter ring to get some serious speed.

BBS01/02 chainrings will not fit the BBSHD motor, and vice versa. The mounting hole and stud patterns are different.

INSTALL TIPS AND TRICKS

Includes

1x Lekkie Bling Ring 01/02



Tools Required

- 4mm hex key

Additional Parts That May Be Required

- 2mm BBS01/02 BlingRing Spacer/s
- M5 Caps screws >10mm, depending on install

Install

Chain Ring

- Always install a new chain when installing a Bling Ring
- Clean and lubricate your chain regularly.
- DO NOT use half links in the chain.
- Try to get the chainline to the centre of your cassette - see 'Chainline' for details.
- If you are spacing out your BlingRing by more than 2mm, use longer Chainring Screws (M5 Socket Cap Screws). Ensure there is minimum 6mm of thread engagement into the motor.
- Tighten the Chainring Screws to 6Nm
- Apply Loctite 243 to chainring screw threads.
- When installing, ensure there is minimum 1.5mm gap between the wide tooth and chainstay to allow flex.
- For rear suspension bikes, check chainring clearances (as above) at all ranges of suspension compression.

CRANKS

- Clean and lubricate the main axle with a multi-purpose grease before installing Cranks.
- Make sure left and right cranks are on the correct sides.
- Tighten crank bolt to 60Nm

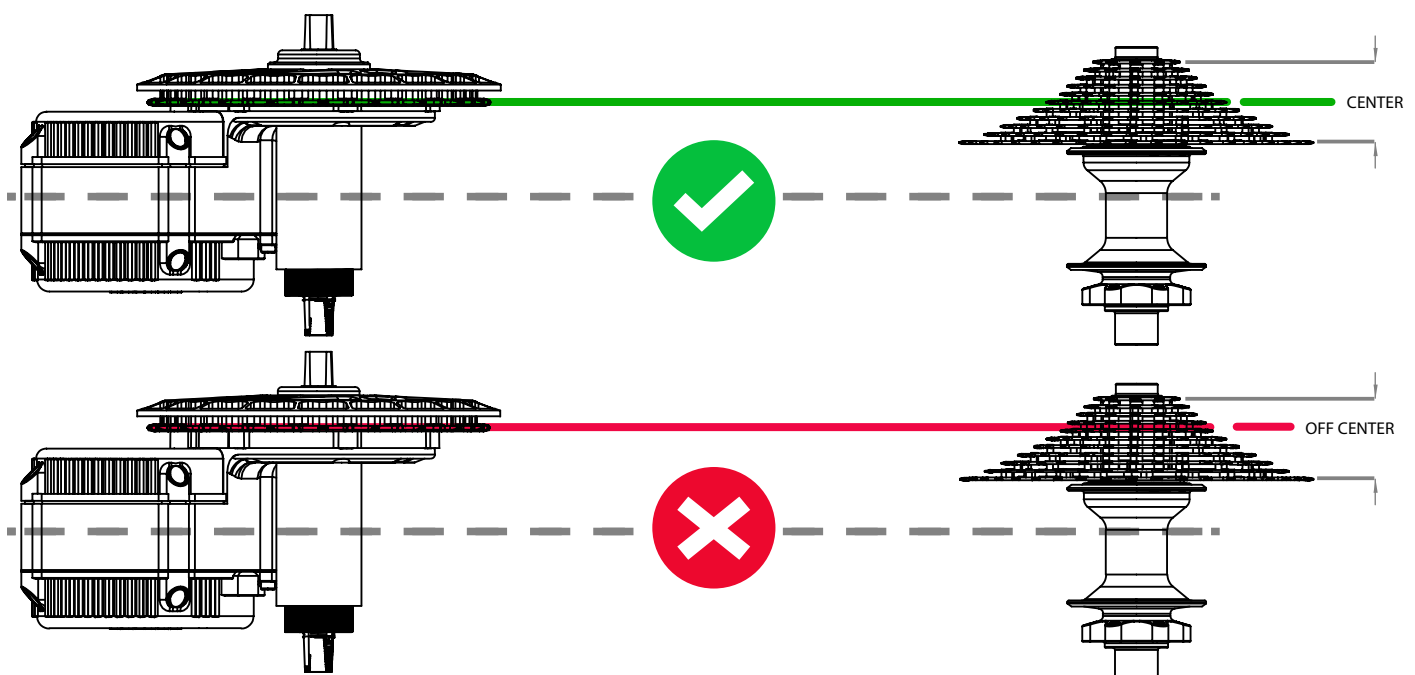
Chainline

When building your machine, you want to replicate the chainline that was on the bike before you converted it. The ideal the chainline aligns the chainring teeth with the centre of your cassette as shown below. A non-optimal chainline will increase wear on components.

The BLINGRING is designed for optimal chainline, however you may need to adjust chainring offset using spacers to get that chainline perfectly suited to the unique geometry of your build.

A central chainline may not be possible on all frames. In this case do the best you can to get the chain central. It is important to check there is adequate chainstay clearance, this is often the main restriction.

Due to the design of the motor, a chainring with less than 40 teeth cannot have an offset design, meaning the chainline will be forced wider than the larger rings.

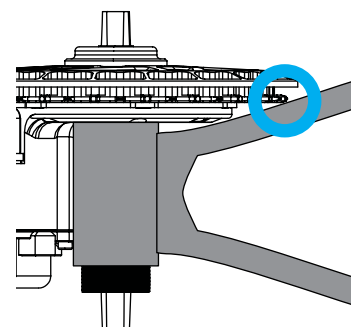


Chain Compatibility

The Lekkie BLINGRING 01/02 is compatible with most chains up to 11-speed (known to work with some 12 speeds too). Some E-bike specific chains have been found to have oversize inner links which can interfere with chain meshing correctly on the teeth. If your chain is not sitting well on the chainring, try using a Shimano or KMC chain compatible with the number of gears. EG HG-X11 11 Speed. Note if the chain is tight on the teeth do not use.

Geometry

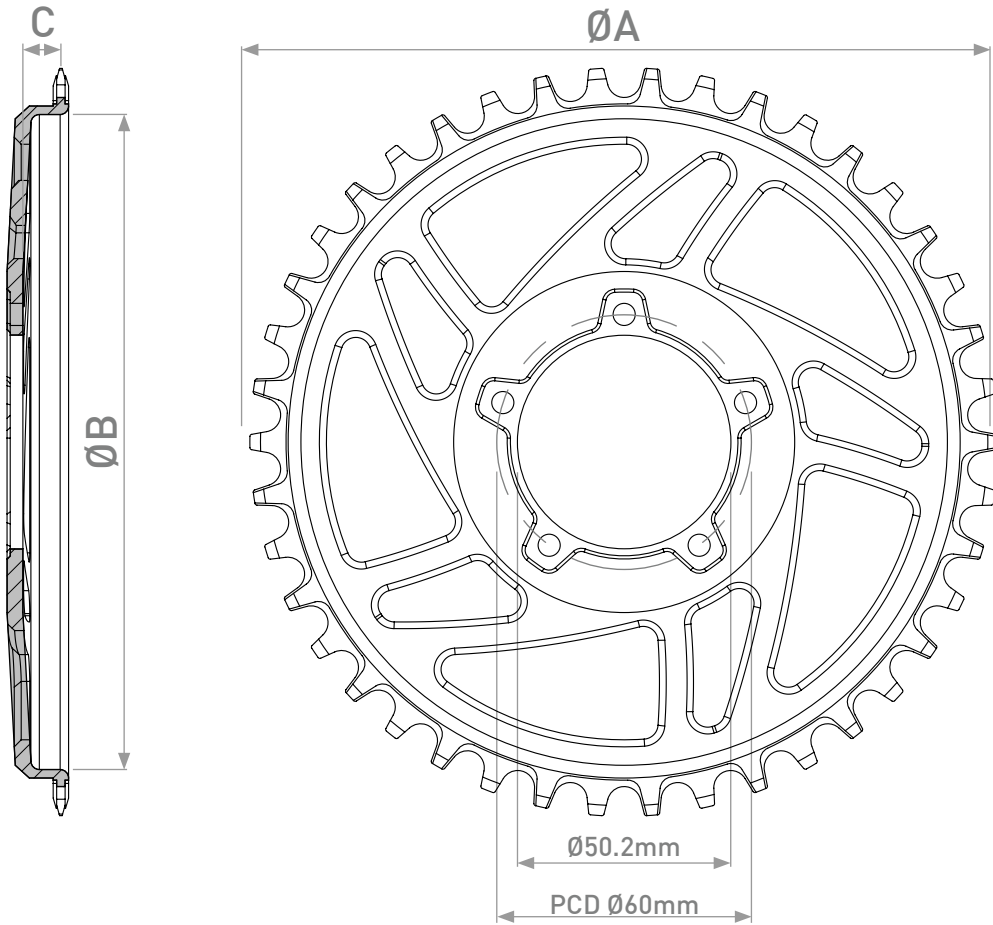
The 40T, 42T and 46T offset gives you the best possible chainline without interfering with the motor. However chainstay interference can be a big issue in building your bike. The larger the sprocket the closer the chainstay gets. So often this can be the limiting factor on chainline, you may need to use a spacer (or two) to clear the chainstay.



DIMENSIONS

The basic dimensions of the Bling Ring 01/02.

Note, 'C' is the inwards offset, measured from the mounting surface to the centreline of the tooth.



PRODUCT	A Outer Dia.	B Clearance	C Offset
BLING RING 28 01/02	119	n/a	-1.8*
BLING RING 36 01/02	152	128	-0.8*
BLING RING 40 01/02	168	151	11
BLING RING 42 01/02	176	154	9
BLING RING 46 01/02	192	169	9
BLING RING 52 01/02	216	193	6.5
STOCK 01/02 48T	199	161	5.4

WARRANTY

At Lekkie we don't accept anything but the best workmanship and quality. If a part has slipped through our QC system and made it to your hands let us know and we will put it right.

If one of our products fails we want to know so we can make our products better. If you destroy a lekkie product in extreme use tell us. We can learn from this and sell you something to suit your needs.

If you are in any way unhappy with your Lekkie product get in touch so we can put it right.

*negative offset - the tooth sits further from the bike centreline than the chainring mounting surface