How to install Helix chainrings on Helix Cranks

This guide will instruct on the installation process for e*thirteen Helix direct mount chainrings onto Helix Cranks

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INTRODUCTION

This guide will instruct on the installation process for e*thirteen Helix direct mount chainrings onto Helix Cranks

TOOLS:

- e*thirteen crank spider tool (1)
- Vice (1)

PARTS:

- e*thirteen Helix Cranks (1)
- e*thirteen Helix Direct Mount Chainring (1)

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Step 1 — Prep for the install

Clean Splines

- Lay out parts on a clean workbench workbench.

- If installing ring on a used crank, ensure direct mount interface splines are clean.

Step 2 — Install ring on crank arm

- Identify the chainline requirements of your bike. Helix rings are flip-flop and can achieve either 53mm (Boost) or 56mm (Super Boost) by turning the ring over.

- Ensure splines are clean and add a very light layer of grease to the spline interface on the chainring.

- Slide the ring onto the direct mount splines with the chainline size you need facing **outward** and the arrow showing "Pedal" aligned with the crank arm access.

- Thread on the silver chainring lockring by hand until it bottoms out on the chainring.
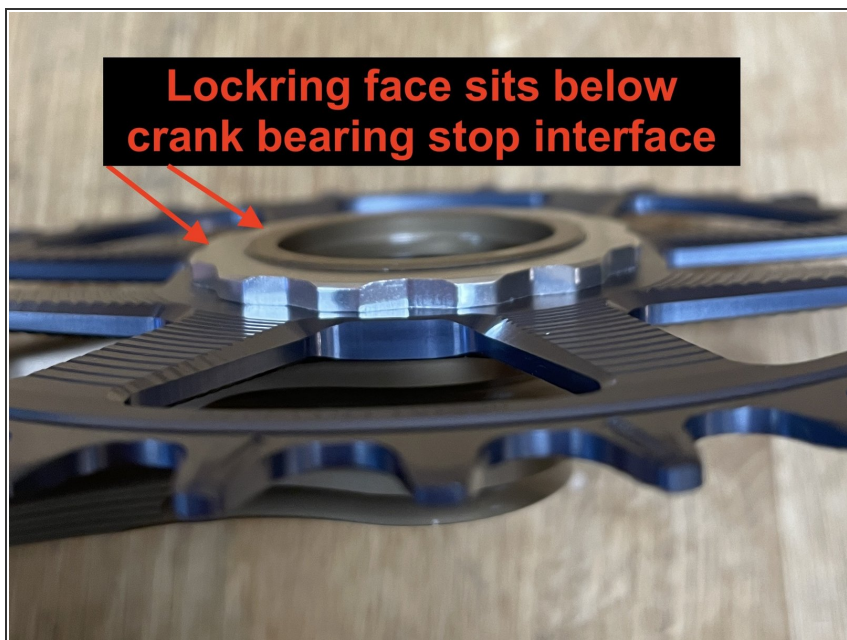
Step 3 — Tighten the lockring to 30Nm

- The chainring lockring will need to be tightened to 30Nm of torque.

- The preferred method to achieve correct torque spec is to use a torque wrench.

- ⓘ The e*thirteen chainring lockring tool which is provided with the cranks has 2 interfaces which can be used - 36mm flats for a crowsfoot attachment or Shimano FC-32 Tool Spline interface.

- If a torque wrench is not available proper torque can also be achieved by turning the lockring 90 Degrees from it's hand tight snug position.

- ⓘ If using the snug +90 degree method, the easiest way to achieve this is to put the chainring lockring tool in a vice. Alternatively a large crescent wrench can also be used.

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Step 4 — Final inspection

Lockring face sits below crank bearing stop interface

- Ensure that the lockring is sitting below the cranks flange that interfaces with the BB.

- Reinstall crankset on bike and time for a ride!

Thanks for reading, now get out there and ride!