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This manual is intended primarily for use by professional bicycle mechanics. Users who are not professionally trained for bicycle assembly should not attempt to install the components

If any part of the information on the manual is unclear to you, do not proceed with the installation. Instead, contact your dealer or a local bicycle shop for their assistance.

Make sure to read all instruction manuals included with the product.

You can find all the manuals and specs on our website <http://ingrid.bike>

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MOSCONI s.r.l. | via la Villa 28 zona artigianale Ghilardino 61034 Fossombrone, PU



## NOTE

### USE ONLY 12s CHAINS !!!

Recommended chains:

**SRAM XX1 EAGLE**  
**SRAM X01 EAGLE**  
**SRAM FLAT TOP**

The use of 52T10 with chains not included in this list does not guarantee the proper functioning and may cause premature deterioration of the sprockets

To adjust the rear derailleur and the chain length refer to the manufacturers ' manuals

## MAINTENANCE

**This product is not guaranteed against natural wear and deterioration from normal use and aging.**

The cassettes should be periodically cleaned and lubricated for extending the life of the sprockets

Periodically check the chain. A worn chain can cause malfunction and increased deterioration of the sprockets

**!!! PERIODICALLY CHECK THE TIGHTENINGS. INCORRECT TIGHTENING MAY CAUSE MALFUNCTIONING OR BREAKAGE.**

## SPECIFICATION

**XD/XDR freehub compatible**

**Cogs: 10-12-14-16-18-21-24-28-32-37-44-52**  
**TOTAL RANGE 520%**

**Weight 356g**

**XD/XDR FREEHUBS**

WITH XDR FREEHUBS USE A 1.85 mm SPACER

APPLY GREASE ON CONTACT SURFACES OF FREEHUB and INNER CUP

INGRID CASSETTE LOCKRING TOOL  
ING-T-CA

TIGHTENING TORQUE  
40 Nm

SHIMANO LOCKRING TOOL

TIGHTENING TORQUE  
30 Nm

**!!! PERIODICALLY CHECK THE TIGHTENINGS. INCORRECT TIGHTENING MAY CAUSE MALFUNCTIONING OR BREAKAGE**

APPLY MEDIUM STRENGTH THREADLOCKER TO THE LOCKRING and FREEHUB THREAD

ALIGN THE **WIDE TOOTH** TO THE MARKED **GROOVE**

**CHAIN LENGTH and INGRID RD1 DERAILLEUR DISTANCE ADJUSTMENT**

2/3 LINKS PLUS THE MISSING LINK

ADD 2 MORE LINKS FOR FULL SUSPENDED BIKE

36/40 mm

T25