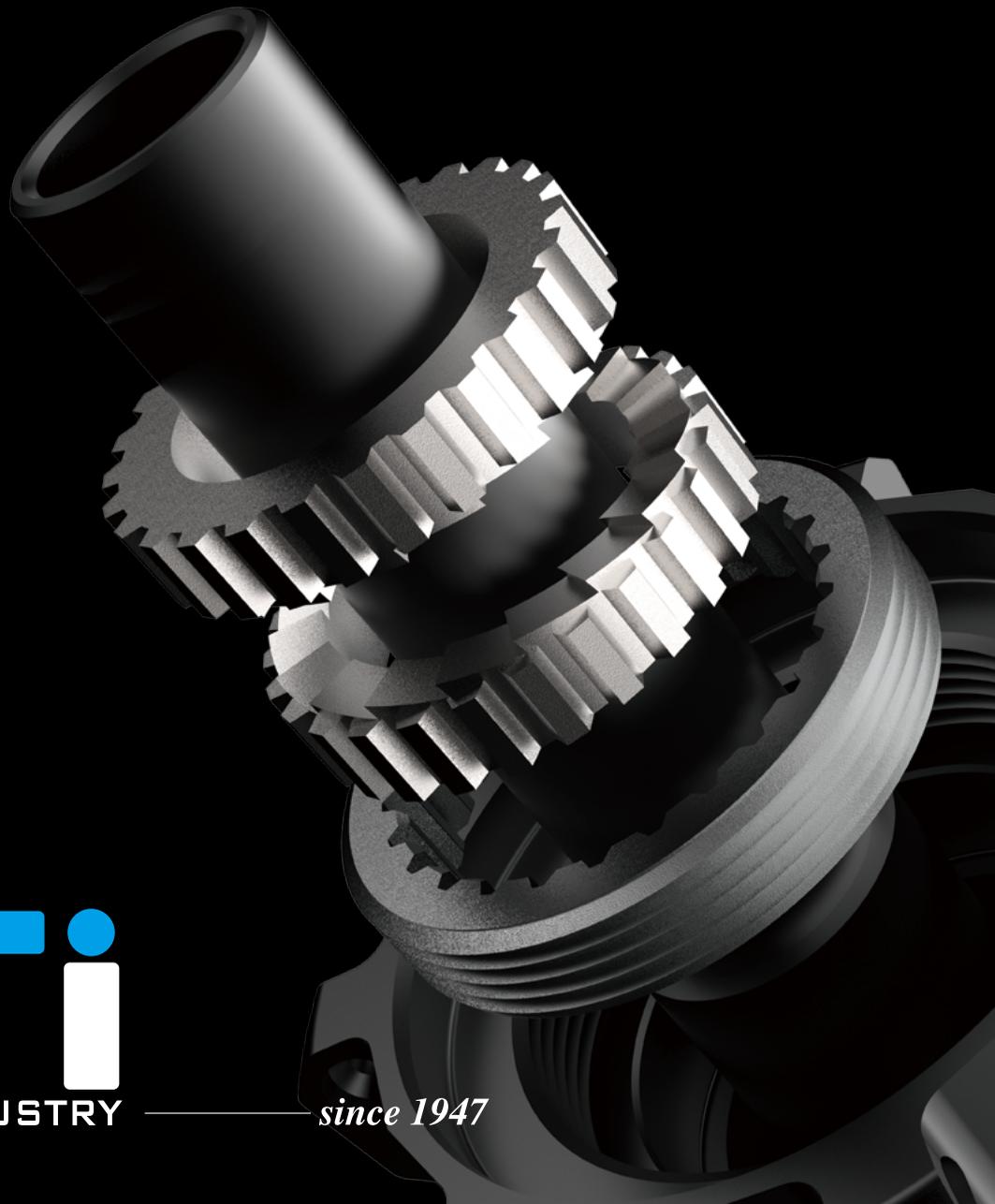


2026
AM



since 1947



TECHNOLOGY _____ **P04**

RATCHET SYSTEM _____ **P06**

MTB _____ **P10**

FAT BIKE & SINGLE SPEED _ P10

DH&FREERIDE _ P11

BOOST_ P12

MTB & GRAVEL _ P13

ROAD _____ **P14**

ROAD DISC _ P14

ROAD _ P15

PARTS _____ **P16**

FREEHUB BODY _ P16

SPARE PARTS _ P18

OTHER _ P19



Kun Teng Industry Co., Ltd., founded by Mr. Kun Teng Chen, is one of the first-generation professional hub manufacturers in Taiwan's bicycle industry. The history is as follows:

- 1947** – Established Feng Rong Enterprise, producing screws and drum-brake hubs. Main market: Southeast Asia.
- 1966** – Expanded the factory and established Kun Teng Industry Co., Ltd., producing steel hubs, alloy hubs (thread type hub), and coaster brakes. Monthly sales reached 1,000,000 pieces, with the main market being the United States.
- 1989** – Started producing alloy cassette hubs and entered the European market.
- 2012** – Began producing dynamo hubs, with Europe as the main market.
- 2018** – Began restructuring product designs to enhance product lifespan, meeting the quality requirements for e-bikes and MTB.
- 2019** – Started producing 3-speed internal gear hubs, with Europe as the main market.
- 2021** – Began mass production of ratchet system hubs, with the main markets being the United States and Europe.
- 2023** – Started mass production of 612 POE hubs for MTB, with the main market being the United States.

TECHNOLOGIES

RUBBER COVER

NEW ARRIVAL
SEE WHAT'S NEW

RUBBER COVER



Patent Pending

Features:

Cost down & fast delivery

- Sea Freight: Wheel sets (without freehub bodies), lead time: 5 months
- Air Freight: Freehub body kits, lead time: 1.5 months

Meeting Urgent Demands

- Just-in-time adoption of freehub bodies to satisfy urgent customer needs
- Optimized solution for reducing wheel inventory costs

Easy Drive Chain Compatibility

- Switch freehub bodies without needing to reapply grease

Eco-Friendly Rubber Covers

- Made with recyclable materials for sustainability



Introduction to KTi's rubber cover video

FOR REAR HUB

X-12

For Rear Hub

Compatible with 12mm Thru axle.
Only change end cap to fit.



- 10mm Thru axle: 135mm
- 12mm Thru axle: 142mm

5mm quick release
x135 x145mm

FOR FRONT HUB

Convertible



IDØ5.2mm IDØ12mm IDØ15mm

Converter end cap from ID5.2 to ID12mm, 15mm

ONE HUB ALL SOLUTION



Only change cassette body.

- RATCHET SYSTEM
- 6 Pawl 6 Springs 102T
- 4 Pawl 4 Springs
- 3 Pawl 1 Spring



Shimano 11SP - **M Series**

Sram XD - **X Series**
Sram XDR - **D Series**
MS 12SP - **S Series**

ANTI BITE



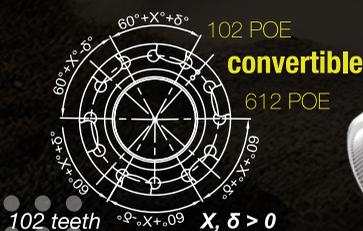
FOR MTB SELECTION

Press-fit Cr-Mo plate into Alloy cassette body prevent from free wheel bite into.
• 4 Pawl 4 Springs

RATCHET SYSTEM



612 POE 6 PAWLS + 6 SPRINGS



102 teeth $60^\circ \times X + \delta^\circ$ $X, \delta > 0$

PATENT NO.

- TW 1252815
- US 7121394B2
- DE 202005000114.7
- NL 1030207
- CN 201031894Y
- DE 202007005699.0

102 POE 6 PAWLS + 6 SPRINGS

The most popular hub for all mtb system.

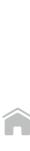


102T

RATCHET SYSTEM FOR ROAD DISC



RATCHET SYSTEM FOR ROAD



AM

TECHNOLOGY

RATCHET SYSTEM

MTB

ROAD

PARTS



QL-DW5F

Spoke Hole: 14G/24, 28
 Axle System: 12mm Thru Axle x100mm
 O.L.D.: 100mm
 Axle Material: AL7075
 Flange PCD: 46/42.5mm
 Sealed Cartridge Bearings(SB): 2pcs
 Weight: 107g

QL-DCSDR

Spoke Hole: 14G/24, 28
 Axle System: 12mm Thru Axle x142mm
 O.L.D.: 142mm
 Axle Material: AL7075
 Flange PCD: L: 36/38mm
 R: 50/52mm
 Sealed Cartridge Bearings(SB): 4pcs
 Weight: 225g

OPTIONS

QL-DCSMR	Shimano 11SP
QL-DCSDR	SRAM XDR
QL-DCSCR	Campy
QL-DCSYR	Campy N3W



AM

TECHNOLOGY

RATCHET SYSTEM

MTB

ROAD

PARTS



QL-ZN1F

Spoke Hole: 14G/20, 24
 Axle System: 5.2mm quick release x100 x108mm
 O.L.D.: 100mm
 Axle Material: AL7075
 Flange PCD: 32mm
 Sealed Cartridge Bearings(SB): 2pcs
 Weight: 91g

QL-DR4MR

Spoke Hole: 14G/20, 24
 Axle System: 5.2mm quick release x130 x140mm
 O.L.D.: 130mm
 Axle Material: AL7075
 Flange PCD: L: 39.8/40.2mm
 R: 50/52mm
 Sealed Cartridge Bearings(SB): 4pcs
 Weight: 248g

OPTIONS

QL-DR4MR	Shimano 11SP
QL-DR4DR	SRAM XDR
QL-DR4CR	Campy
QL-DR4YR	Campy N3W



MTB BOOST



QL-S3CF

Spoke Hole: 14G/28, 32, 36
 Axle System: 12 / 15mm Thru axle x110mm
 O.L.D.: 110mm
 Axle Material: AL7075
 Flange PCD: 58mm
 Sealed Cartridge Bearings(SB): 2pcs
 Weight: 152g
 Option: IS6: **QL-S37F**
 Option: SUPER BOOST: IS6: **QL-DHWF**
 20mm x110mm Thru-axle

Boost



QL-Y44TMR

Spoke Hole: 14G/28, 32, 36
 Axle System: 12mm Thru axle x148mm
 O.L.D.: 148mm
 Axle Material: AL7075
 Flange PCD: 58mm / 64mm
 Sealed Cartridge Bearings(SB): 4pcs
 Weight: 315g
 Freehub Body: AL7075 6 pawls 6 springs, compatible w/Shimano or Sram XD cassette

OPTIONS

102 POE OPTIONS				
CL	QL-Y44TMR	IS6	QL-Y77TMR	Shimano 11SP
CL	QL-Y44TXR	IS6	QL-Y77TXR	Sram XD
CL	QL-Y44TSR	IS6	QL-Y77TSR	MS 12SP
612 POE OPTIONS				
CL	QL-Y44WMR	IS6	QL-Y77WMR	Shimano 11SP
CL	QL-Y44WXR	IS6	QL-Y77WXR	Sram XD
CL	QL-Y44WSR	IS6	QL-Y77WSR	MS 12SP



MTB & GRAVEL



QL-S3GF

Spoke Hole: 14G/28, 32, 36
 Axle System: 5mm quick release x100 x108mm,
 12 / 15mm Thru axle x100mm
 O.L.D.: 100mm
 Axle Material: AL7075
 Flange PCD: 58mm
 Sealed Cartridge Bearings(SB): 2pcs
 Weight: 144g
 Option: Center Lock: **QL-SLXF**



QL-Y74TXR

Spoke Hole: 14G/28, 32, 36
 Axle System: 5mm quick release x135 x145mm,
 12mm Thru axle x142mm
 Axle Material: AL7075
 Flange PCD: 58mm / 64mm
 Sealed Cartridge Bearings(SB): 4pcs
 Weight: 302g
 Freehub Body: AL7075 6 pawls 6 springs, compatible w/Shimano or Sram XD cassette

OPTIONS

102 POE OPTIONS				
CL	QL-Y43TMR	IS6	QL-Y74TMR	Shimano 11SP
CL	QL-Y43TXR	IS6	QL-Y74TXR	Sram XD
CL	QL-Y43TSR	IS6	QL-Y74TSR	MS 12SP
612 POE OPTIONS				
CL	QL-Y43WMR	IS6	QL-Y74WMR	Shimano 11SP
CL	QL-Y43TWR	IS6	QL-Y74WXR	Sram XD
CL	QL-Y43WSR	IS6	QL-Y74WSR	MS 12SP



QL-4S2SR

Spoke Hole: 14G/28, 32, 36
 Axle System: 5mm quick release x135 x145mm,
 12mm Thru axle x142mm
 Axle Material: AL7075
 Flange PCD: 58mm
 Sealed Cartridge Bearings(SB): 4pcs
 Weight: 290g
 Freehub Body: AL7075 4 pawls 4 springs, compatible w/Shimano or Sram XD cassette

OPTIONS

CL	QL-4S3MR	IS6	QL-4S2MR	Shimano 11SP
CL	QL-4S3XR	IS6	QL-4S2XR	Sram XD
CL	QL-4S3SR	IS6	QL-4S2SR	MS 12SP



AM

TECHNOLOGY

RATCHET SYSTEM

MTB

ROAD

PARTS



AM

TECHNOLOGY

RATCHET SYSTEM

MTB

ROAD

PARTS

QL-TBZF



Spoke Hole: 14G/28, 32, 36
 Axle System: 15mm Thru axle x150mm
 Axle Material: AL7075
 Flange PCD: 58mm
 Sealed Cartridge Bearings(SB): 2pcs
 Weight: 280g

OPTIONS

CL	QL-TBCF	15 x135mm
IS6	QL-TBYF	No CNC Disc

QL-DD7R



Spoke Hole: 14G/28, 32, 36
 Axle System: 12mm Thru Axle x190mm / 197mm
 Axle Material: AL7075
 Flange PCD: 58mm
 Sealed Cartridge Bearings(SB): 4pcs
 Weight: 390g
 Freehub body: Steel Shimano HG ratchet system

SINGLE SPEED



QL-THEF



Spoke Hole: 14G/28, 32,36
 Axle System: 15mm thru Axle x 150mm
 Axle Material: AL7075
 Flange PCD: 58mm
 Sealed Cartridge Bearings(SB): 2pcs
 Weight: 238g

OPTIONS

IS6	QL-THDF	15 x135mm
-----	----------------	-----------

QL-THENMR



Spoke Hole: 14G/28, 32,36
 Axle System: 12mm thru Axle x 190mm/197mm
 Axle Material: AL7075
 Flange PCD: 58mm
 Sealed Cartridge Bearings(SB): 4pcs
 Weight: 484g
 Freehub body: Steel Shimano HG 3 pawls 1 spring

OPTIONS

IS6	QL-THNMR	12 x170/177mm
-----	-----------------	---------------

QL-DY9R

Spoke Hole: 14G/28, 32, 36
 Axle System: 12mm Thru Axle x142mm
 Axle Material: AL7075
 Flange PCD: 58mm
 Sealed Cartridge Bearings(SB): 4pcs
 Weight: 335g
 Freehub body: Steel Single speed ratchet system

OPTIONS

IS6	QL-DY7R	12x148m
-----	----------------	---------

QL-TW1F



EXCHANGEABLE CONVERTER CAPS

Spoke Hole: 14G/32, 36
 Axle System: 5mm quick release x100 x108mm,
 9 / 15mm Thru axle x100mm,
 20mm Thru axle x110mm

O.L.D.: 110mm
 Axle Material: AL7075
 Flange PCD: 58mm
 Sealed Cartridge Bearings(SB): 2pcs
 Weight: 215g
 Option: IS6: **QL-TWEF** 15 x110mm BOOST



QL-41SMR

Spoke Hole: 14G/28, 32, 36
 Axle System: 12mm Thru axle x150mm / 157mm
 Axle Material: AL7075
 Flange PCD: R: 58 / L: 64mm
 Sealed Cartridge Bearings(SB): 4pcs
 Weight: 317g
 Freehub Body: AL7075 4 pawls 4 springs, compatible w/Shimano or Sram XD cassette

OPTIONS

IS6	QL-41SMR	Shimano 11SP
IS6	QL-41SXR	Sram XD
IS6	QL-41SSR	MS 12SP



QL-Y7DTMR

Spoke Hole: 14G/28, 32, 36
 Axle System: 12mm Thru axle x150mm / 157mm
 Axle Material: AL7075
 Flange PCD: R: 58 / L: 64mm
 Sealed Cartridge Bearings(SB): 4pcs
 Weight: 326g
 Freehub Body: AL7075 6 pawls 6 springs, compatible w/Shimano or Sram XD cassette

OPTIONS

102 POE OPTIONS		
IS6	QL-Y7DTMR	Shimano 11SP
IS6	QL-Y7DTXR	Sram XD
IS6	QL-Y7DTSR	MS 12SP
612 POE OPTIONS		
IS6	QL-Y7DWMR	Shimano 11SP
IS6	QL-Y7DWXR	Sram XD
IS6	QL-Y7DWSR	MS 12SP



ROAD DISC



QL-4W5F

Spoke Hole: 14G/24, 28
 Axle System: 5mm quick release x100 x108mm,
 12mm Thru axle x100mm
 O.L.D.: 100mm
 Axle Material: AL7075
 Flange PCD: 40mm
 Sealed Cartridge Bearings(SB): 2pcs
 Weight: 107g



QL-4W5MR

Spoke Hole: 14G/24, 28
 Axle System: 5mm quick release x135 x145mm,
 12mm Thru axle x142mm
 O.L.D.: 142mm
 Axle Material: AL7075
 Flange PCD: L: 40 / R: 58mm
 Sealed Cartridge Bearings(SB): 4pcs
 Weight: 234g
 Freehub Body: AL7075 4 pawls 4 springs, compatible w/ Shimano
 11sp, Sram XDR, or Campy cassette

OPTIONS

CL	QL-4W5MR	Shimano 11SP
CL	QL-4W5DR	Sram XDR
CL	QL-4W5CR	Campy
CL	QL-4W5YR	Campy N3W



QL-SLXF

Spoke Hole: 14G/24, 28
 Axle System: 5mm quick release x100 x108mm,
 12mm Thru axle x100mm
 O.L.D.: 100mm
 Axle Material: AL7075
 Flange PCD: 58mm
 Sealed Cartridge Bearings(SB): 2pcs
 Weight: 148g
 Option: IS6: **QL-S3GF**



QL-4VBMR

Spoke Hole: 14G/24, 28
 Axle System: 5mm quick release x135 x145mm,
 12mm Thru axle x142mm
 O.L.D.: 142mm
 Axle Material: AL7075
 Flange PCD: 58mm
 Sealed Cartridge Bearings(SB): 4pcs
 Weight: 268g
 Freehub Body: AL7075 4 pawls 4 springs, compatible w/ Shimano
 11sp, Sram XDR, or Campy cassette

OPTIONS

CL	QL-4VBMR	
CL	QL-4VBDR	
CL	QL-4VBCR	
CL	QL-4VBYR	

ROAD



QL-ZN1F

Spoke Hole: 14G/20
 Axle System: 5mm quick release
 Axle Material: AL7075
 Sealed Cartridge Bearings(SB): 2pcs
 Weight: 87g



QL-4NAMR

Spoke Hole: 14G/20, 24
 Axle System: 5mm quick release
 Axle Material: AL7075
 Sealed Cartridge Bearings(SB): 4pcs
 Weight: 230g
 Freehub Body: AL7075 4 pawls 4 springs, compatible w/ Shimano
 11sp, Sram XDR, or Campy cassette

OPTIONS

QL-4NADR	Sram XDR
QL-4NACR	Campy
QL-4NAYR	Campy N3W



QL-2VDF

Spoke Hole: 14G/20
 Axle System: 5mm quick release
 Axle Material: AL7075
 Flange PCD: 32mm
 Sealed Cartridge Bearings(SB): 2pcs
 Weight: 75g



QL-4V7MR

Spoke Hole: 14G/20, 24
 Axle System: 5mm quick release
 Axle Material: AL7075
 Sealed Cartridge Bearings(SB): 4pcs
 Weight: 248g
 Freehub Body: AL7075 4 pawls x 4 springs w/ Shimano 11sp, Sram
 XDR, or Campy cassette

OPTIONS

QL-4V7DR	Sram XDR
QL-4V7CR	Campy
QL-4V7YR	Campy N3W



PARTS FREEHUB BODY

DD SERIES (RATCHET SYSTEM) | FOR BOOST/MTB/GRAVEL/ROAD



SRAM XD/XDR RATCHET SYSTEM Freehub Body

AL7075 RATCHET SYSTEM for SRAM XD/XDR.

Cr-Mo FHB Available



Shimano MS RATCHET SYSTEM Freehub Body

AL7075 RATCHET SYSTEM for Micro Spline 12sp.

Cr-Mo FHB Available



Shimano RATCHET SYSTEM Freehub Body

AL7075 RATCHET SYSTEM for Shimano 11sp.

Cr-Mo FHB Available



ENDURO HUB

4X4 SERIES | FOR BOOST / MTB / ROAD / ROAD DISC / GRAVEL



SRAM XD / XDR 4X4

Cr-Mo 4 springs & 4 pawls for SRAM XD / XDR.



Shimano MS 4X4 Freehub Body

Cr-Mo 4 springs & 4 pawls for Micro Spline 12sp.



Shimano 4X4 Freehub Body

Cr-Mo 4 springs & 4 pawls for Shimano 11sp.

REGULAR

612 POE SEREIS (6X6 SERIES) | FOR BOOST / MTB/ DH / GRAVEL



SRAM XD 612 POE Freehub Body

STEEL + AL7075 6 springs & 6pawls 612 POE for SRAM XD



Shimano MS 612 POE Freehub Body

Freehub Body STEEL + AL7075 6 springs & 6pawls 612 POE form Micro Shimano



Shimano 612 POE Freehub Body

STEEL + AL7075 6 springs & 6pawls 612 POE form Shimano 11sp

102 POE SERIES (6X6 SERIES) | FOR BOOST / MTB / DH / GRAVEL



SRAM XD 102 POE Freehub Body

AL7075 6 springs & 6pawls 102 POE for SRAM XD



Shimano MS 102 POE Freehub Body

AL7075 6 springs & 6pawls 102 POE form Micro Shimano



Shimano 102 POE Freehub Body

AL7075 6 springs & 6pawls 102 POE form Shimano 11sp

4X4 SERIES | FOR MTB / ROAD / ROAD DISC / GRAVEL



SRAM XD / XDR 4X4

AL7075 4 springs & 4 pawls for SRAM XD / XDR.



Shimano MS 4X4 Freehub Body

AL7075 or Cr-Mo 4 springs & 4 pawls 102T for Micro Spline 12sp.



Shimano 4X4 Freehub Body

AL7075 or Cr-Mo 4 springs & 4 pawls for Shimano 11sp.



AM

TECHNOLOGY

RATCHET SYSTEM

MTB

ROAD

PARTS



AM

TECHNOLOGY

RATCHET SYSTEM

MTB

ROAD

PARTS



CONVERTER KIT

FOR 9SP TO 1SP, ACCESSORY INCLUDING

Sprocket, 2 Alloy spacers 13.5L & 20L, lock-ring & shim washer 1T

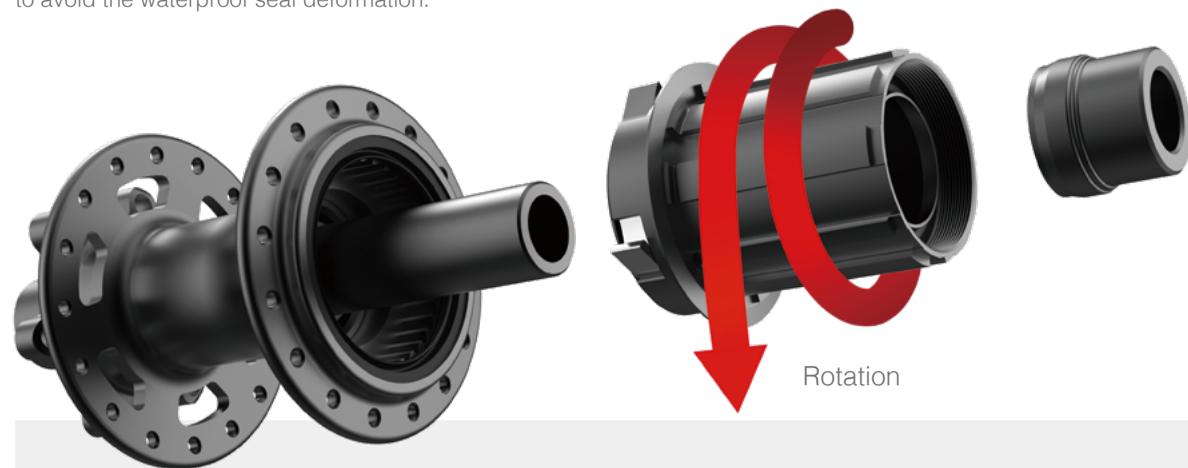
Code no.

- MCPAHY31200C5 (12T)
- MCPAHY313CP23 (13T)
- MCPAHY314CP23 (14T)
- MCPAHY316CP23 (16T)
- MCPAHY318CP23 (18T)



FREEHUB BODY INSTALLATION GUIDE

Rotated push the cassette into hubshell (rotation must be anticlockwise), to avoid the waterproof seal deformation.



CAUTION!!

The installation of cassette body must be rotated anticlockwise to press into the hub shell. It may cause seal damage or deformation by pawls, and it might loss the water resistance and cause the friction when riding.



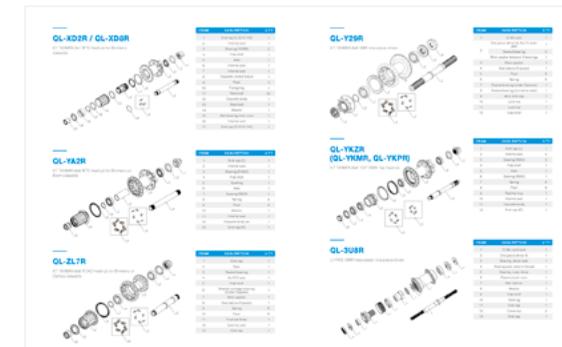
PRODUCTION TRACEABILITY ON EACH KTI HUB:

2510-Y77WXR-100

YEAR	WEEK	MODEL NO.	DRIVER	F/R	NUMBER

TECHNOLOGIES

EXPLORED SPARE PARTS FOR SERVICE KIT



REPLACEMENT INSTRUCTION



HUB WARRENTY AND MAINTENANCE GUIDE



AM

TECHNOLOGY

RATCHET SYSTEM

MTB

ROAD

PARTS



AM

TECHNOLOGY

RATCHET SYSTEM

MTB

ROAD

PARTS