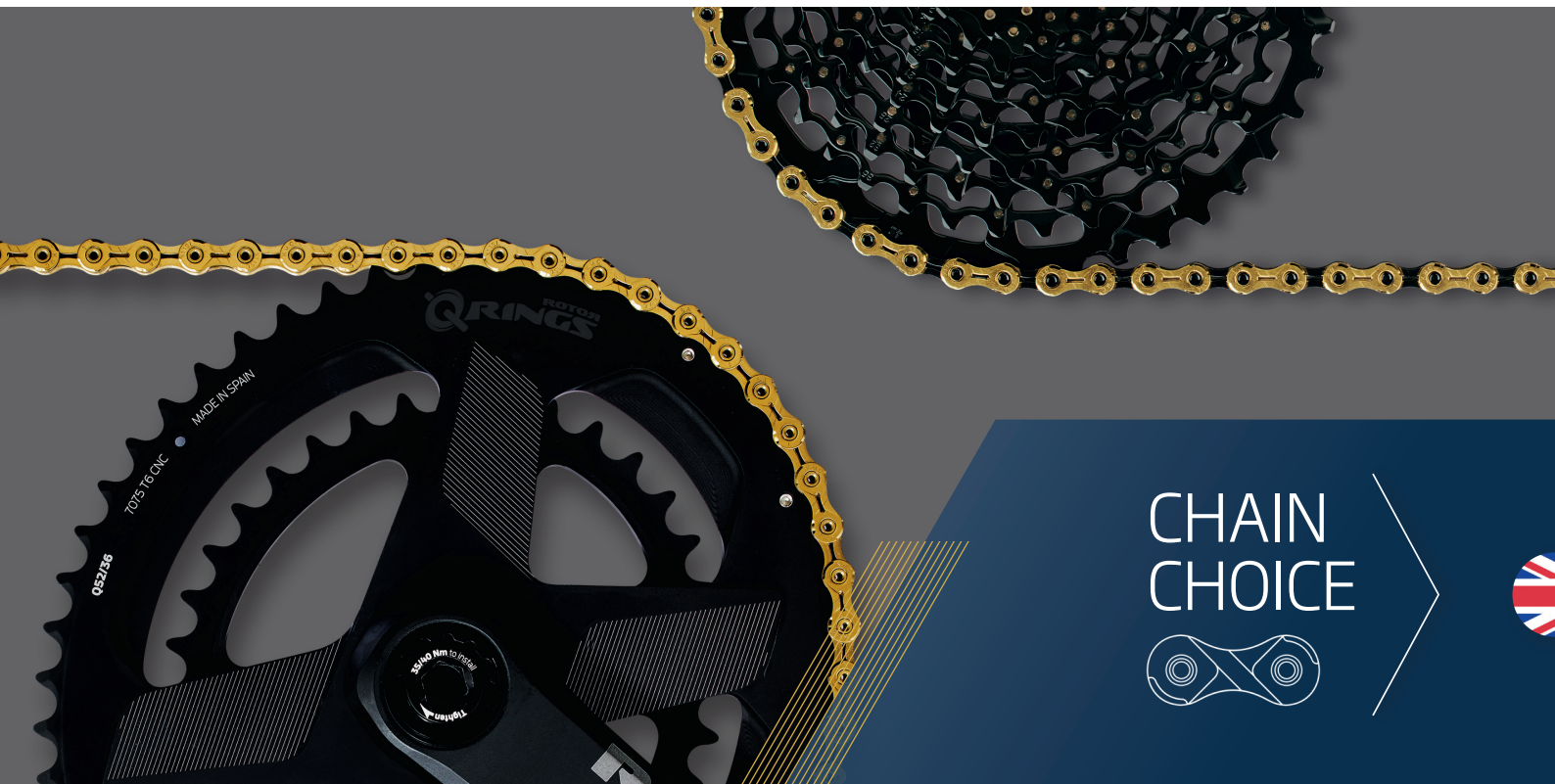


/// 2020




LINK TO PERFECTION



CHAIN
CHOICE





P4 | E-Bike-Solutions
P10 | Derailleur
P18 | Single Speed and Internal Gear Hub
P20 | Tools

*For any system.
For any bike.
For any purpose.*



COMPATIBLE

KMC chains are available for all common derailleur systems and they are compatible with the systems of all major gear manufacturers. The product names clarify this: the chains of the X11 series, for example, fit all 11-speed systems and are suitable for all cycling disciplines.



EASY TO USE

Almost all boxed KMC chains include a MissingLink connector connector. The assembly is very simple and a secure lock always guaranteed. With a standard chain de-riveter, each chain can be shortened to the correct length. For closing and opening the MissingLink connector we recommend our special tools.



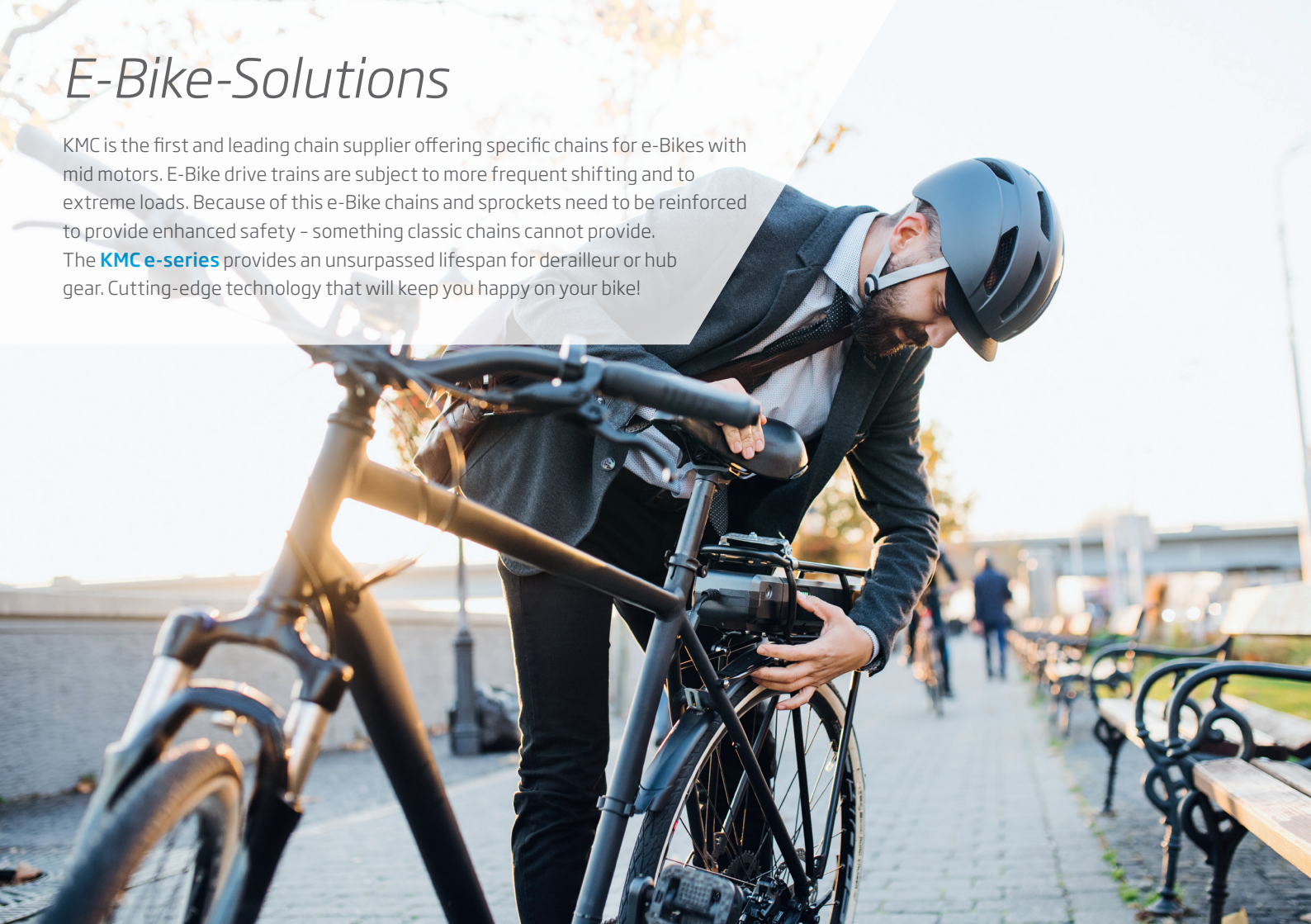
DURABLE

The many field tests we have conducted, clearly show that KMC chains last longer than comparable chains from other brands. We support this statement with our unique satisfaction guarantee „Durability Warranty“, proving the trust we put in our products.

E-Bike-Solutions

KMC is the first and leading chain supplier offering specific chains for e-Bikes with mid motors. E-Bike drive trains are subject to more frequent shifting and to extreme loads. Because of this e-Bike chains and sprockets need to be reinforced to provide enhanced safety - something classic chains cannot provide.

The **KMC e-series** provides an unsurpassed lifespan for derailleur or hub gear. Cutting-edge technology that will keep you happy on your bike!



Lasts. And lasts. And lasts.

The 10,000km+ drive train is the solution for all e-Bike riders. The combination of our e101 EPT chain and our 3 mm wide sprockets and chainrings enable us to guarantee mileages of at least 10,000 kilometres.

For narrow drive trains (1/2 x 3/32), we offer the e1 EPT and our narrow sprockets and chainrings guaranteeing mileages of at least 3,500 kilometres.

KMC-Chain e101 EPT



KMC-Chainring wide



KMC-Sprocket wide



10,000km+

MILEAGES (KM)

e101 EPT / KMC-Sprocket and -Chainrings: 10.000 KM +

e1 EPT/ KMC-Sprocket and -Chainrings small: 3.500 KM +

Standard








e-series for derailleur systems*

Our analysis of power transmission on e-Bikes with mid-motors showed that conventional chains are not up to these extreme forces. The critical part is the pin which connects all the individual parts of the chain. It is exposed to the most extreme forces during shifting. Our revolutionary riveting technology sets a new standard in e-Bike chains for derailleur systems.

- For e-Bikes with mid-motors
- Highest reliability
- High torsional rigidity
- Maximum durability
- Includes a MissingLink Connector
- Durability ●●●●●



COMPATIBLE WITH
 **BOSCH**
 e-BIKE SYSTEMS

| FINISH | | 12-Speed | 11-Speed | 10-Speed | 9-Speed | 8-Speed |
|---|---|----------------|----------|----------|---------|----------------------------|
| GOLD • Ti-N Gold |  | e12 GOLD | | | | |
| BLACK TECH • Black |  | e12 BLACK TECH | | | | |
| SILVER • Silver Nickel plated |  | | e11 | e10 | e9 | |
| EPT • Anti-rust coating |   | e12 EPT | e11 EPT | e10 EPT | e9 EPT | e8 EPT Durability ●●●●● |

* Also usable for classic bicycles with derailleur.

e-series for internal gear hub *

- For e-Bikes with mid-motors
- Highest reliability
- Maximum durability
- Maximum efficiency which saves battery
- Includes a MissingLink Connector



COMPATIBLE WITH
 **BOSCH**
e-BIKE SYSTEMS

FINISH

SILVER

- Silver Nickel plated



e1 Silver
narrow 1/2x3/32"

Durability ●●●●●

EPT

- Anti-rust coating



e1 EPT
narrow 1/2x3/32"

Durability ●●●●●

3,500km+

This performance is achieved with the e1 EPT chain in combination with a narrow KMC sprocket and chainring.

EPT

- Anti-rust coating



e101 EPT
wide 1/2x1/8"

Durability ●●●●●

10,000km+

This performance is achieved with the e101 EPT chain in combination with a 3 mm wide KMC sprocket and chainring.

* Also usable for classic single speed bikes or with hub gear.

Sprockets & chainrings

- > Perfectly matched to KMC chains
- > Hardened CrMo steel
- > Maximum efficiency which saves battery
- > Maximum durability
- > Easy upgrade



COMPATIBLE WITH
 **BOSCH**
 e-BIKE SYSTEMS

Number of teeth

| | | | | | | | | | | | | | |
|-------------|-------------------------------|--|----|--|--|----------|----------|-------------|---------------|-----------------|-----------------|--|--|
| BOSCH GEN 4 | CHAINRING CrMo, Black | Narrow, 11"/128" Direct Mount Chainline | | | | | | 34 52 mm | 38 47,5 mm | 38 50 mm | 38 52 mm | | |
| BOSCH GEN 3 | CHAINRING CrMo, Black | Narrow, 11"/128" Direct Mount Chainline | | | | | | | | 38 47,5-50mm | 44 47,5-50mm | | |
| BOSCH GEN 2 | DRIVE SPROCKET CrMo, Black | Narrow, 11"/128" Wide, 1/8" | 15 | | | 18 18 | 19 19 | 20 20 | 21 21 | | | | |

Narrow: **3,500km+**

Wide: **10,000km+**





Number of teeth

| | | | | | | | | | | | | | |
|------------|----------------------------|-------------------------------|----|----|----|----|----|----|----|----|----|----|----|
| BCD 104 MM | CHAINRING Alu 7075, CNC | Wide, 1/8" | | | | | | | | | | 38 | 42 |
| | | | | | | | | | | | | | |
| SHIMANO | SPROCKET CrMo, Black | Narrow, 3/32" Wide, 1/8" | | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 27 | 30 | |
| | | | | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 27 | 30 | |
| ENVILO | SPROCKET CrMo, Black | Narrow, 3/32" Wide, 1/8" * | | 16 | 17 | 18 | 19 | 20 | 21 | 22 | | | |
| | | | | | 17 | 18 | 19 | 20 | 21 | 22 | | | |
| ROHLOFF | SPROCKET CrMo, Black | Wide, 1/8" | 15 | 16 | 17 | 18 | 19 | 20 | 21 | | | | |
| | | | | | | | | | | | | | |

*Compatible with e101 EPT only

Narrow: 3,500km+

Wide: 10,000km+

Dear customer,

the drive train is one of the parts on the bicycle that is particularly stressed. To ensure that the drive train components of our **10,000+** and **3,500+** solutions reach their maximum durability, we recommend regular cleaning, lubrication and checking of the chain tension as well as checking the wear on the chain and sprockets. The dealer you trust will gladly take over the required checks and, if necessary, also carry out the service work.



Which chain goes with which sprocket?

| TEETH | | | CHAINS FOR DERAILLEUR SYSTEMS | | | | | CHAINS FOR INTERNAL GEAR HUBS | |
|----------------------------|---------|--|-------------------------------|-----|-----|----|----|-------------------------------|------|
| CHAINRING / DRIVE SPROCKET | | | e12 | e11 | e10 | e9 | e8 | e1 | e101 |
| BOSCH GEN 4* | 11/128" | 34 38 38 38 | • | • | • | • | • | • | |
| BOSCH GEN 3* | 11/128" | 38 44 | • | • | • | • | • | • | |
| BOSCH GEN 2 | 11/128" | 15 18 19 20 21 | • | • | • | • | • | • | |
| | 1/8" | 18 19 20 21 | | | | | | | • |
| BCD 104 MM | 1/8" | 38 42 | | | | | | | • |
| SPROCKET | | | | | | | | | |
| SHIMANO | 3/32" | 16 17 18 19 20 21 22 27 30 | | | | | | • | |
| | 1/8" | 16 17 18 19 20 21 22 27 30 | | | | | | | • |
| ENVILO | 3/32" | 16 17 18 19 20 21 22 | | | | | | • | |
| | 1/8" | 17 18 19 20 21 22 | | | | | | | • |
| ROHLOFF | 1/8" | 15 16 17 18 19 20 21 | | | | | | | • |

* Chainline specifications on page 8

Derailleur systems

From trekking bike to road bike, derailleur shifting systems are the classic when it comes to sporty rides. As the developments in the market continue, we too keep developing.

The innovative surface treatment of titanium nitride for example: this extremely smooth and hard surface reduces friction and ensures perfect shifting.





Beauty is a beast.

X12 Thanks to the KMC titanium nitride coating, the X12 for 12-Speed systems looks great - and the special treatment of the pins ensure maximum durability, while precisely chamfered inner and outer plates provide extremely accurate and fast shifts.



DLC12

DLC technology:
extremely durable, extremely precise.
More about this on the following pages.

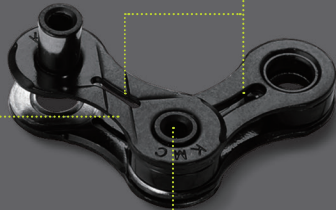


DLC-technology: extremely durable, extremely precise.

Our Titanium-Carbon-Nitride coated chains have an extremely hard surface, reducing friction and wear. As a result, they offer excellent shifting performance and a smooth transmission. Our high-end pin is another feature to reach the best possible durability.

Extremely light, extremely precise: 2,05 grams per link (DLC 11)

Slotted plate design (not DLC12)

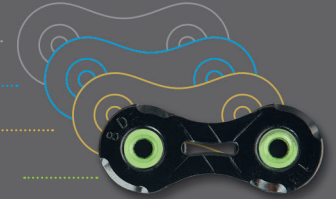


Hollow pin (not DLC12), extremely hardened, ensuring an unsurpassed durability

KMC Double X Bridge: Precisely chamfered inner and outer plates for perfect shifting performance

Powerful protection based on advanced coatings

1. Heat treatment
2. Surface treatment
3. Nickel coating
4. DLC titanium-carbon coating



DLC-Series









- DLC12 for 12-speed Systems: Shimano, SRAM MTB and Campagnolo
- Compatible with all 10- and 11-speed systems
- DLC - Diamond like coating
- Hollow pin, slotted inner and outer plate design (not DLC12)
- Includes a MissingLink connector
- Durability ●●●●●



- Non directional design
- Weight per 110 Links:
 - DLC12 - 239 g
 - DLC11 - 225 g
 - DLC10 - 244 g



DLC12, e-Bike ready

| | DLC12 | DLC11 | DLC10 |
|---|-------|-------|-------|
|  Black | ● | ● | ● |
|  Black/Blue | ● | ● | ● |
|  Black/Celeste | | ● | |
|  Black/Orange | ● | ● | |
|  Black/Pink | | ● | |
|  Black/Red | ● | ● | ● |
|  Black/Green | ● | ● | ● |
|  Black/Yellow | ● | ● | |

Shown: DLC10 / DLC11

X-Series

Regarding the specific characteristics of Shimano, SRAM and Campagnolo systems we developed a series meeting the highest demands. Precisely engineered, our dynamically chamfered plate angle provides a perfect shifting performance and a smooth transmission on each set-up.

X-Series SL

- Compatible with all 9- 10- and 11-speed systems
- Super light; hollow pin, slotted inner and outer plate design
- Includes a MissingLink Connector
- Durability ●●●●●



- Non directional design
- Weight per 110 links:
X11SL - 225 g
X10SL - 244 g
X9SL - 259 g

FINISH

X11SL

X10SL

X9SL



Ti-N Gold/ Black



Ti-N Gold



Silver
Nickel plated



X-Series EL

- > Compatible with all 10- and 11-speed systems
- > Extra light slotted inner and outer plate design
- > Includes a MissingLink Connector
- > Durability ●●●●●



AG2R La Mondiale UCI World Team



FINISH

X11EL

X10EL

- Non directional design
- Weight per 110 links:
X11EL - 234 g
X10EL - 250 g



Ti-N Gold



Black Tech



Silver
Nickel plated



X-Series



- X12 is compatible with the following 12-speed systems: Shimano, SRAM MTB and Campagnolo
- X11, X10, X9 and X8 are compatible with all corresponding systems
- Includes a MissingLink Connector
- Durability ●●●●●

- Outstanding durability
- Precise shifting performance
- Wide range of coatings
- Non directional design

| FINISH | X12 | X11 | X10 | X9 | X8 |
|--|-----|-----|-----|----|----|
|  Ti-N Gold/Black | ● | | | | |
|  Ti-N Gold | ● | | | ● | |
|  BlackTech | ● | | | | |
|  Silver Nickel plated | ● | | | ● | ● |
|  EPT Anti-Rust | ● | ● | ● | ● | ● |
|  Silver/Black | ● | ● | ● | | |
|  Silver/Grey | | | | ● | ● |
|  Grey | | ● | ● | ● | |



Victor Koretsky XCO Elite

TEAM KMC-ORBEA
XCO ELITE, UCI TOP 5



Single Speed

We offer a wide range of chains compatible with all single speed or hub gear systems. They are extremely robust and available with different product characteristics. Our golden K1SL has a Ti-N coating reducing friction while being a true eye catcher. The X-Series Models are based on bushed technology and provide a super-efficient transmission at a low weight.



Lukas Knopf *Dirtjump, Slopestyle and Freeride - Athlete*

K-Series

- Single speed and internal gear hub
- Super light
- Hollow pin, slotted inner and outer plate design
- Includes a MissingLink connector

Ti-N
Titanium-Nickel-Cermet



K1SL

NARROW 1/2" x 3/32" WIDE 1/2" x 1/8"

Ti-N Gold



Silver
Nickel plated



e-Series

- Single Speed and internal gear hub
- Extremely robust
- Includes a MissingLink connector
- Durability ●●●●●



e1

NARROW 1/2" x 3/32"

Silver
Nickel plated



EPT
ANTI-RUST



EPT



X-Series

- Developed for pro track use
- Bushed chain technology for maximum efficiency
- Includes a MissingLink connector
- Durability ●●●●●



X101

WIDE 1/2" x 1/8"

Brass plated



Silver
Nickel plated



NEW!

*12-Speed chain
for e-Bikes*



12
SPEED

MissingLinks

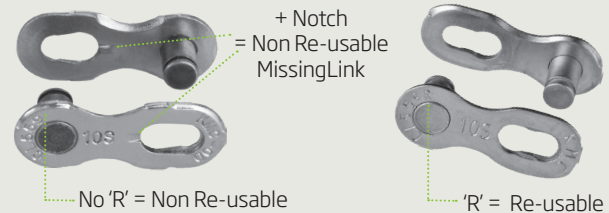
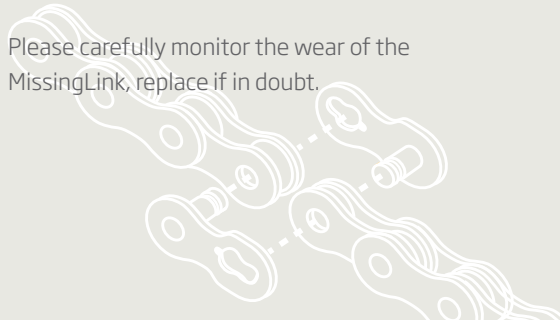
- Secure locking system
- Easy maintenance
- Easy opening and closing
- Optimal handling with the KMC tools
- Available for all chains in matching coatings



To reuse or not to reuse?

For usage please mind if you have a Non-Reusable or a Reusable MissingLink Connector. A Non-Reusable has to be replaced once opened a Reusable MissingLink can be opened and closed as many times as you want, but has to be disposed when the chain is worn.

Please carefully monitor the wear of the MissingLink, replace if in doubt.



Special tools



LEFT: **MissingLink Connector**
Specially shaped pliers to connect the MissingLink Connector.

RIGHT: **MissingLink Opener**
Specially shaped pliers to open the MissingLink Connector.



Chain De-Rivetter

The perfect tool to shorten all 1 - 12 speed chains. Including 1 replacement pin.





Digital Chain Checker

The perfect tool to indicate the exact chain wear.

Chain Checker

Quick and easy tool to check the chain wear.

LEFT:

Mini Chain Tool

Super light aluminium and compact mini chain de-rivetter. 25g only.

RIGHT:

2 in 1 MissingLink tyre lever

MissingLink opener and tyre lever in one tool.

Chain Aid - Assembly aid

Simplifies the mounting of MissingLinks. Additional functions: storage for MissingLinks, tyre levers and valve tools.



KMC-Product features



UNIQUE GUARANTEE The life of a KMC chain with this quality warranty is guaranteed to last longer than other brands. This durability treatment includes all DLC, e-Bike, XSL, XEL and X101 chains. If you are not satisfied with the durability of your chain, please fill out the form here: www.kmcchain.eu/warrantyclaim.



E-BIKE Our e-Bike chains are specially designed for use in combination with strong mid motors. Optimized pin power and unsurpassed durability are the key features of our e-Bike chains.

10,000km+

powered by **KMC**

10.000 KM+ For e-Bikes with internal gear hubs and strong mid motors we perfectly matched all drive train components. KMC's e101 EPT chain in combination with KMC's 3 mm wide chainring/sprockets ensure a mileage over 10,000km - guaranteed!

3,500km+

powered by **KMC**

3.500 KM+ KMC's e1 EPT chain in combination with KMC's narrow chainring and sprockets for e-Bikes with internal gear hubs ensure a mileage over 3,500km - guaranteed!



DLC The main characteristic of the Diamond Like Coating is reduction of abrasive wear. Besides this, its surface hardness is higher than most coatings, this ensures a long-term function, optical stability and higher durability. Diamond durability guarantees unsurpassed durability for all DLC12, DLC11 and DLC10 chains.



EPT KMC's latest breakthrough in rust protection. EcoProTeQ treatment doubles the rust resistance compared to the RB treatment. Benefits of the smoother coating are less noise, optimum performance, maximum rust resistance and great look.



Ti-N KMC's special Titanium Nitride coating not only looks fantastic, it has an ultra- smooth surface and is extremely durable.



SUPER LIGHT KMC's X11SL weighs 225 grams per 110 Links only, being the very lightest of all 11-speed chains.



X-BRIDGE Specially designed outer plate to enable fast, smooth and precise shifts.



/// Powered by KMC

Top left: Romain Bardet (France), an outstanding climber, won 3 Mountain stages in the Tour de France. This season racing for AG2R La Mondiale UCI World Team.

Top right: Vojtěch Bláha (Czech Republik), 7th Enduro World Series 2018 men under 23.

Bottom left: Jeroen van Eck (Netherlands) Eliminator, Multiple Dutch Champion, winner of the European title, multiple World Cup winner .(photo: André Kwakernaat)



www.kmcchain.eu



LINK TO PERFECTION



KMC CHAIN EUROPE NV
Businesspark Friesland West 33
8447SL Heerenveen, Netherlands
Tel: +31 513 65 06 90
info@kmcchain.nl