KMC

2018 catalogue

KMC GROUP Brand Story

History

In 1977 Charles Wu founded KMC with only a few pieces of used machinery. KMC was the world's smallest chain factory at the time but Charles believed that with continued dedication and a drive for perfection, they would become the world's largest chain supplier.

Innovative

For forty years, KMC has been focused on designing and developing chains for different types of bikes based on the needs and preferences of end users. Over time, KMC chains became stronger, safer, more advanced, competitive, and innovative. Always compatible, always ahead of the curve, always the choice of the best riders.

Setting the Standard for Drivetrain Systems

Our solution to the e-mountain bike trend that is currently taking over the world involves working with industry leaders like Bocsh to develop the most advanced and durable drivetrain systems. We also design and produce chains for BMX, public bikes and other varieties of bicycles. KMC is dedicated to protecting the planet, surpassing the strictest EU and US standards. Our goal is to keep lowering our carbon footprint, impact on the environment and to develop better and greener methods of production.

EVOLUTION OF CHAMPION CHAIN

1977

Bushing Chain

KMC's first bicycle chain

1997

Z Series Chain

Bushingless chain

1998

Lean Chain

The world's first lightweight chain

2001

Gold Chain

X series 18k Gold chain

2005

10 Speed Super Light

The world's lightest 10 speed chain

40

YEARS

ANNIVERSARY

SINCE 1977

KMC

Supply on Demand

KMC has made a tremendous effort providing customers service when they need it, where they need it. In addition to developing online channels, we've worked with our partners in connecting our front and back end systems in order to minimize waiting time, and to quickly understand and respond to our customers' needs. Our new shop-in-shop project "K-Shop" is a way for customers to learn more about KMC chains and the important role chains play. Our Dr. Chain program has over the years provided bike shops, clubs and schools education on bike chain maintenance.

40 Year Anniversary - A New Beginning

On our 40th anniversary, we adopted a new global logo and embarked on a mission to get even closer to our customers so that our solutions can better answer their needs. We've also set our goals for servitization, linking our production with end users, which may seem like a small step, but the first of many important ones that on this 40th anniversary will become the bedrock of success for the next four decades.

2008

X1.0 Series X10SL

The world's lightest 10 speed chain upgraded

2009

X1.0 Series X11SL

The world's lightest 11 speed chain

2013

X2.0 Series X11SL

The world's lightest 11 speed chain upgraded

2016

Pro X11SL

The world's revolutionary lightweight technology

Now

New X12

New 12 speed bicycle chain milestone

CHAMPION STORY World Champions & Olympians

More and more world-class professional riders have proven that KMC CHAIN is the DNA of a champion. KMC CHAIN attributes this achievement to its technical innovations and professional racers' on-field experiences, as well as the cooperation with the advanced bicycle industry alliances such as A-Team. Our strong policy of branding, top-quality thinking, and customer dedication, has been proven and honored by many world-class bicycle brands, professional racers and satisfied end-users. This allows KMC products to stand out among all others.
"Champion is our DNA" not only applies to professional racers but to the KMC team as well.

Edvald Boasson Hagen
2017 Tour de France Stage 19 Winner
2017 Norway National T/T Champion
2016 Norway National Road Champion

Mark Cavendish
2016 Tour de France Stage 1, 3, 6, 14 Winner

Steve Cummings
2017 British Nationals Road Champion
2016 Tour de France Stage 7 Winner

Omar Fraile
2017 Giro d'Italia Stage 11 Winner
2016 Vuelta A Espana The King of Mountains

Jordan Sarrou
2017 UCI MTB World Cup XCO- DHI 3rd
2017 Cyprus Sunshine Cup Afxentia 2nd

Sabine Spitz
2016 MTB Eilte Women German National Champion
London Olympics MTB Silver Medal

Tracey Hannah
2016 UCI DH MTB World Championships Bronze Medal

Connor Fields
2016 Rio Olympics BMX Men Gold Medal
2016 USA BMX Cycling Elite National Champion

Joris Daudet
2016 UCI BMX Elite Men World Champion

Alise Post
2016 Rio Olympics Bmx Women Silver Medal

Hsiao Mei Yu
2016 Asian Cycling Championships Track Omnium Silver Medal
2016 Asian Cycling Championships Track Individual Time Trial Bronze Medal

Huang Ting Yin
2016 Asian Cycling Championships Track Point Race Gold Medal
2016 Asian Cycling Championships Track Individual Pursuit Gold Medal

2015 X-Super Light DLC Chain

2013 X11SL Super Light Chain

AWARDS

12 iF Awards in 9 consecutive years
5 Red Dot Awards in 3 years

2015-2009
German iF Design Award

Taiwan Excellence
2018-2015. 2010

reddot design award
winner 2014.2013.2011

2017-2012
Taipei Cycle d&i
Awards

2018 Taiwan Excellence Award - New X series chain
2017 TAIPEI CYCLE d&i Award Organized by iF - 12 speed X chain
2017 Taiwan Excellence Award - X-EPT Series
2017 Taiwan Excellence Award - BMX Kool Knight Chain
2016 TAIPEI CYCLE d&i Award Organized by iF - Klick Link
2016 Taiwan Excellence Award - X-eBike Series

* German iF Design Award and TAIPEI CYCLE d&i Award organized by iF

LINK TO PERFECTION

"Link to Perfection" is not just a slogan, but a concrete fact that has been proven by numerous top racers' acclaimed victories: Olympic Road Bike and MTB Medalists, UCI World Championships in MTB Cross Country, KOM of Veulta a Espana and Tour de France, National Road Bike and MTB ChampionAships, to name a few.

KMC integrates all drivetrain system details into its chain designs to deliver enhanced product functionality, sophisticated manufacturing techniques, and innovative production methods. KMC chains are called "One Chain for ALL" because they run smoothly on all systems; furthermore, KMC chains have superior performance with faster and more accurate shifting, higher transmission efficiency, and advanced durability. KMC also invests in premium coating technology and color development to create breakthroughs in extended chain life and outlook.

THE SECRET OF X

Titanium Nitride Coating
Less friction, less maintenance and high reliability.

Triple X Durability
With 3X-SP treatment of chain parts, the X 2.0 Pro series lasts longer and goes farther than any other chains on the market.

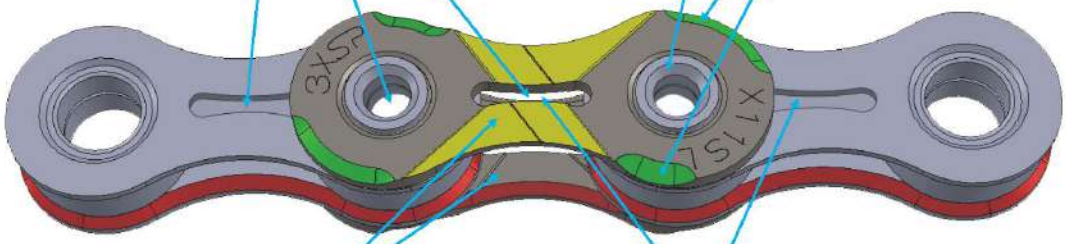
High Rigidity
More efficient power transfer of your energy output through the drivetrain to your rear wheel.

Non Directional
Works perfectly regardless of the direction when install.

Highest Pin Power
At over 400 kgf, the best pin power on the market allows shifting under heavy load and stressed conditions.

Super Light Weight
The X11SL continues its title as champion of the lightest chain on the market thanks to further weight reduction. A lighter bike equals more power with less energy.

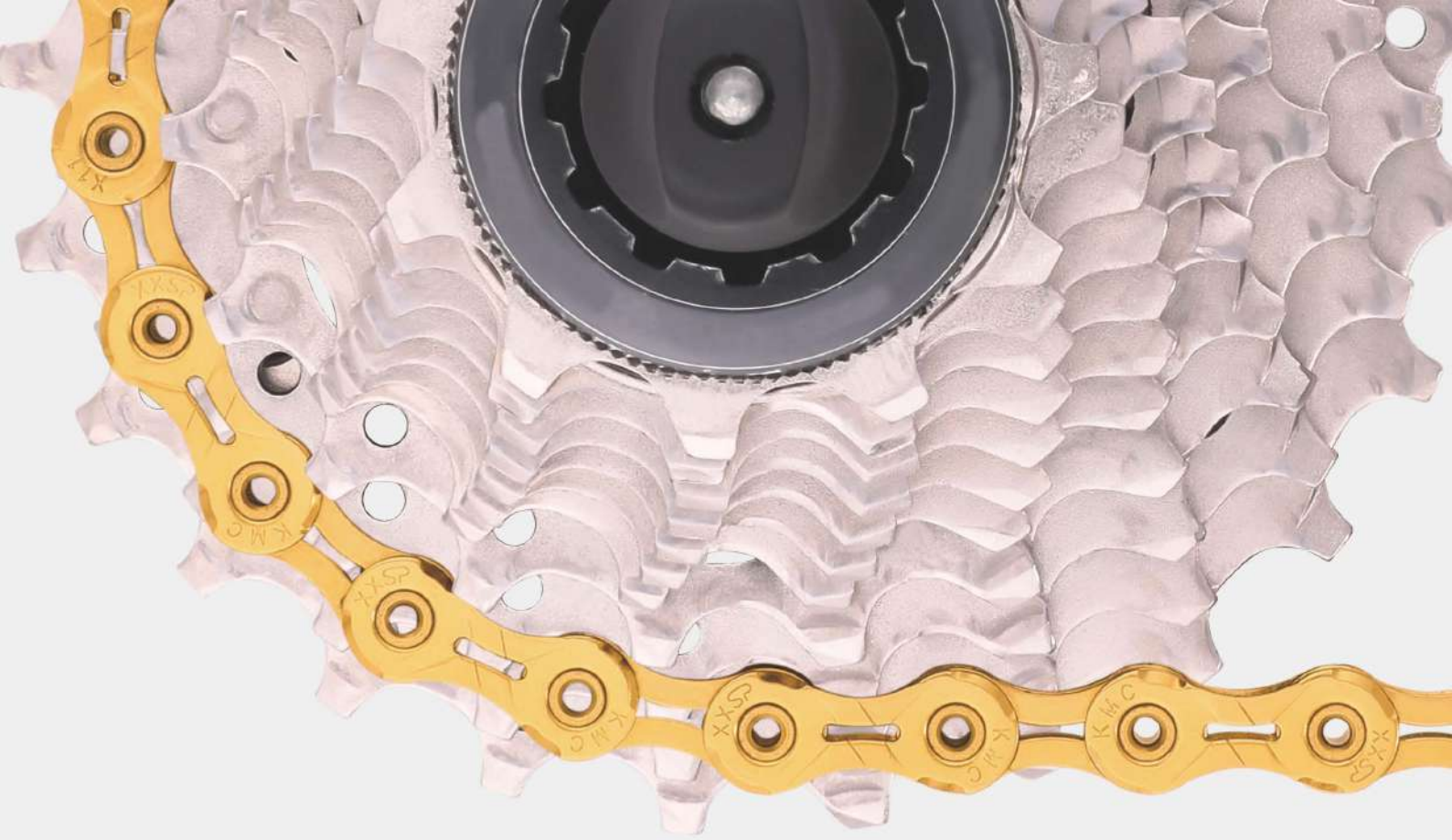
Optimal Chamfering
With chamfering in the places that you need it and without in the places that you don't, creates superior shifting performance.



XX Bridge
Upgraded shifting efficiency and compatibility on all major systems.

Mud Shedding Design
Hollow plates allow mud and other debris to be expelled from the chain on all sides.

LINK TO PERFECTION



FUNCTION Features and Benefits

Super Light
All hollow

Extra Light
Hollow outer & inner plate

Light
Hollow inner plate

Double "X" Bridge Shape
Precise gear shifting

Diamond Durability
Diamond SP exceptional durability

Triple X Durability
Triple SP exceptional Durability

Double X Durability
Double SP exceptional Durability

Stretch Proof Treatment
SP exceptional Durability

Titanium Carbon Nitride
High surface hardness

Eco ProTeQ
Superior anti rust capabilities

RustBuster Function
Anti corrosion

eBike
e-Bike system compatible

Open Inner Plates

Mud Shedding Design
Easy clean

Hollow Pin

Non Directional

Heavy Duty Structure
Reinforced tensile strength

Long Life
Special Heat Treatment

Anti-Drop Design
Chain drop probability reduction

"Z" Bridge Shape Outer Plate
Extended compatibility

Low noise

Bushing Construction
Classic endurance

Double L Bridge

HALF LINK

Kool Super Light

Kool Chain

HP Series

Color Series

DLC CHAIN

- **Ultra-smooth control beyond imagination**
- **Harmonize your drivetrain**

Shift instantly with the most efficient chain and gear harmonization enabled by KMC's Double X Bridge and Optional Chamfering design.

- **Visual impact**
- **DLC technology - unique outlook with supreme functionality**

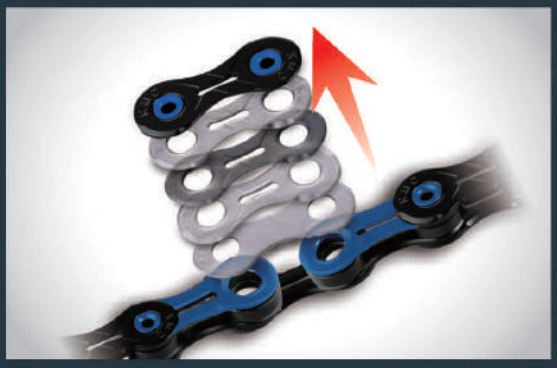
DLC black infused with vivid color options makes the unique and attractive outlook of DLC chain a powerful enhancement to your bike.

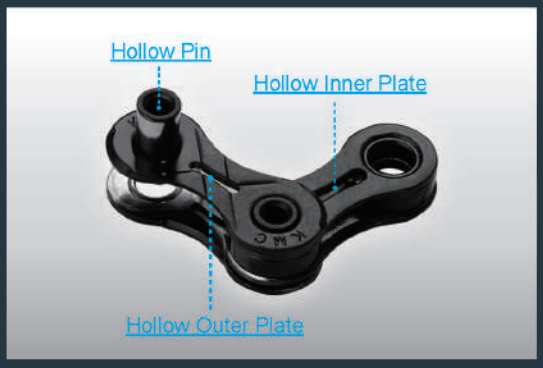
- **Exceptional performance**
- **Transfer pedaling energy with the highest efficiency**

The strongest and most efficient chain on the market is perfectly designed for an outstanding riding experience.

- **Ultra durability**
- **Extended chain and drivetrain life**

DLC chain features top level durability and low friction that provide prolonged mileage of 3 times longer. DLC chains are flawlessly compatible with all types of bicycles, cyclists, and riding environments.





- **Smooth surface = smooth control**
- **Diamond-hard surface**

  Titanium Carbon Nitride coating technology from the Swiss watch industry provides the perfect combination of metal and surface shield technology to upgrade plate hardness by over 300%.

- **Premium lightweight technology**
- **Patented configuration**

  Redesigned and reinforced, the superior lighter chain weighs only 2.08gm per link!

Speed	Model
11	DLC 11
10	DLC 10

X SERIES

One Chain for All | 100% Compatibility On All Leading Derailleur Systems

Choose the corresponding speed and KMC handles the rest for you. KMC chain is compatible with all leading derailleur systems, mixed drivetrains, and all types of bicycles!

Asymmetrical chamfering avoids interference

Precisely calculated for outer plates, the four smart chamfering areas ingeniously avoid interferce between chain and cassette teeth to guarantee quiet and safe performance. Compatible with both single (1x) and multiple chainrings.

Impeccable precision
Phenomenal shifting performance

With craftsmanship second to none, KMC designed chains offer a unique configuration to instantly capture a shift. Phenomenal shifting performance and easier drivetrain adjustment are benefits of KMC's expertise.

Added chamfering for smooth operation

Designed for varying chainring and cassette teeth, KMC's unique chamfering enables smoother gear tooth insertion and efficient interaction between chain and cogs, drastically improving cycling safety and drivetrain stability.

Speed	Model
11	X11SL / X11EL / X11.93
10	X10SL / X10EL / X10.93 / X10 VIVID
9	X9SL / X9L / X9.93 / X9 VIVID
8~6	X8PL / X8.93
1	X1 / X101

eBike

- **Cutting edge technology**
- **Unparalleled tensile strength**

Central motors generate tremendous force to the chain. KMC's e-Bike chains offer unparalleled tensile strength of over 1,000kgf, exceeding international standards by over 30%.

- **All-new riveting tech**
- **Conquer all terrain**

With patented new riveting technology to achieve industry leading pin power of 450kgf, KMC's sturdy and stable e-Bike chain enables riders to overcome rugged trails, harsh riding conditions, and sketchy shifting situations with ease and confidence.

- **Unparalleled rigidity & strength**
- **Exceptional durability**

Integrated special heat treatment process with exclusive coating technology, a premium chain possesses both rigidity and tenacity with tripled mileage of over 7,500 kilometers.

Speed	Model
11	X11e EPT / X11e
10	X10e EPT / X10e
9	X9e EPT / X9e

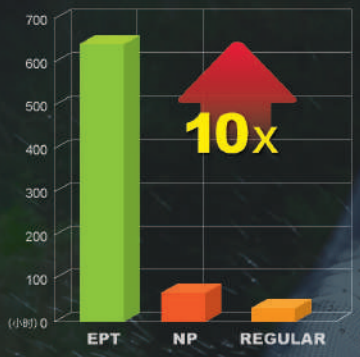
EPT ECO ProTeQ

- **Worry-free component**
- **Low maintenance**

With its anti-rust, stain resistant and anti-corrosion functions, EPT chains are low maintenance, worry-free drivetrain components that can be hosed down after a muddy trail or left aside for your next ride.

- **Eco ProTeQ weatherproof chain**
- **Ultimate protection**

EPT chain offers ultimate protection with all chain components being coated before assembly. Premium anti-rust coating technology enables EPT chain to conquer the harshest weather and road conditions such as road salt, snow, storms, and more.



- **Outstanding anti-rust defense**
- **Surpasses 650 hours salt spray test**

EPT chain is able to withstand 650 hours salt spray test without rusting – 10 times more anti rust defense than a standard chain!

KMC ECO COMMITMENT

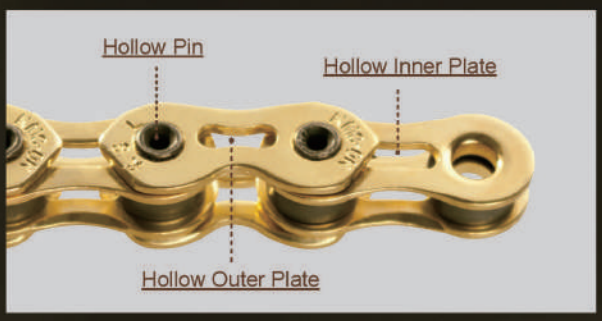
RoHS REACH CPSIA

- **Authenticated eco-friendly production**
- **Awarded internationally & industry renowned**

With its eco-friendly manufacturing process which surpasses all environmental standards, EPT anti-rust chain is the modern concept of going Green.

Speed	Model
11	X11EPT
10	X10EPT
9	X9 EPT
8	X8 EPT

K SERIES



- **Competitor preference**
- **Unlimited hardcore**

Patented K shaped chain plates enable the BMX specific chain to withstand high impacts.

- **Conquering the pack with super lightweight**
- **Ultra durability**

Lightweight, strong, and durable pins are designed to achieve longer mileage and keep your bike weight down.

- **Unique half link design**
- **Adaptable to all frame geometry**

A unique half link design makes this chain highly adaptable to all frame geometry with the possibility of varying chain lengths.

- **Kool knight chain**
- **Chain for BMX extremes**

The unconventional L shaped plates covers the top of the chain to provide better gear tooth protection. The reinforced structure and tensile strength enables the Kool Knight Chain to battle against all extremes.

Speed	Model
1 (wide)	KK710 / K710SL / K710 / K910 / HL710 / CH01
1 (narrow)	K810SL / K810

RB Anti-Rust series

- **Rust Buster – rust shield**
- **Defense from the elements**

For protecting city/trekking and public bikes which are exposed to the elements, RB offers protection against salt and moisture and improves chain durability.

- **Patented RB anti-rust coating**
- **Surpasses 500 hour salt spray test**

Durable anti-rust coating from a unique surface treatment that surpasses 500 hour Salt Spray Test.

Speed	Model
8~6	Z51 RB
1	Z610 RB / Z510 RB / Z410 RB

Z SERIES

Inner Plate
+13% width

Outer Plate
+20% thickness

- **High pin power with reinforced durability**
- **Quieter riding experience**

Z Series features stronger pins and riveting to achieve higher pin power and upgraded durability while structural chamfering bring benefits of low noise and smooth pedaling.

- **Single speed**
- **Anti-drop design**
- **Wider, thicker, safer**

Anti-drop design combined with wider and thicker chain plates allows for a more stable and safer cycling experience.

Speed	Model
9	Z99
8~6	Z7 / Z51
7~6	Z50
6	Z33
1 (wide)	Z510HX / Z510H / Z510 / Z410A / HP1L
1 (narrow)	Z610HX / Z610

11 SPEED

- **Compatibility: SHIMANO, Campagnolo and SRAM 11 speed drivetrain systems**
- **116 Links**
- **Including MissingLink: CL555 (Non Re-usable) / CL555R (Re-usable)**

FOR ROAD, MTB AND CYCLO CROSS

DLC 11

- Super Light
- Titanium Carbon Nitride
- Highest Pin Power
- Open Inner and Outer Plate Design
- Extra Stretchproof Hollow Pin
- Triple X-durability
- Double "X" Bridge Shape
- Non-directional
- Color:
  Black/Red, Black, Black/Green, Black/Blue,
  Black/Pink, Black/Orange, Black/Celeste, Black/Yellow

X11SL

- Super Light
- Open Inner and Outer Plate Design
- Extra Stretchproof Hollow Pin
- Double X-Durability
- Double "X" Bridge Shape
- Non-Directional
- Color: Ti-N(Gold), Silver

X11EL

- Extra Light
- Open Inner and Outer Plate Design
- Double X-Durability
- Double "X" Bridge Shape
- Non-Directional
- Color: Ti-N(Gold), Silver

X11e EPT

- For all 11 Speed eBike Drivetrain Systems
- ECO ProTeQ Anti-Rust Technology
- Highest Pin Power
- Triple X-Durability
- High Torsion Strength

X11e

- For all 11 Speed eBike Drivetrain Systems
- Highest Pin Power
- Triple X-Durability
- High Torsion Strength
- Color: Silver Polish

X11 EPT

- ECO ProTeQ Anti-Rust Technology
- Double X-Durability
- Double "X" Bridge Shape

X11 VIVID

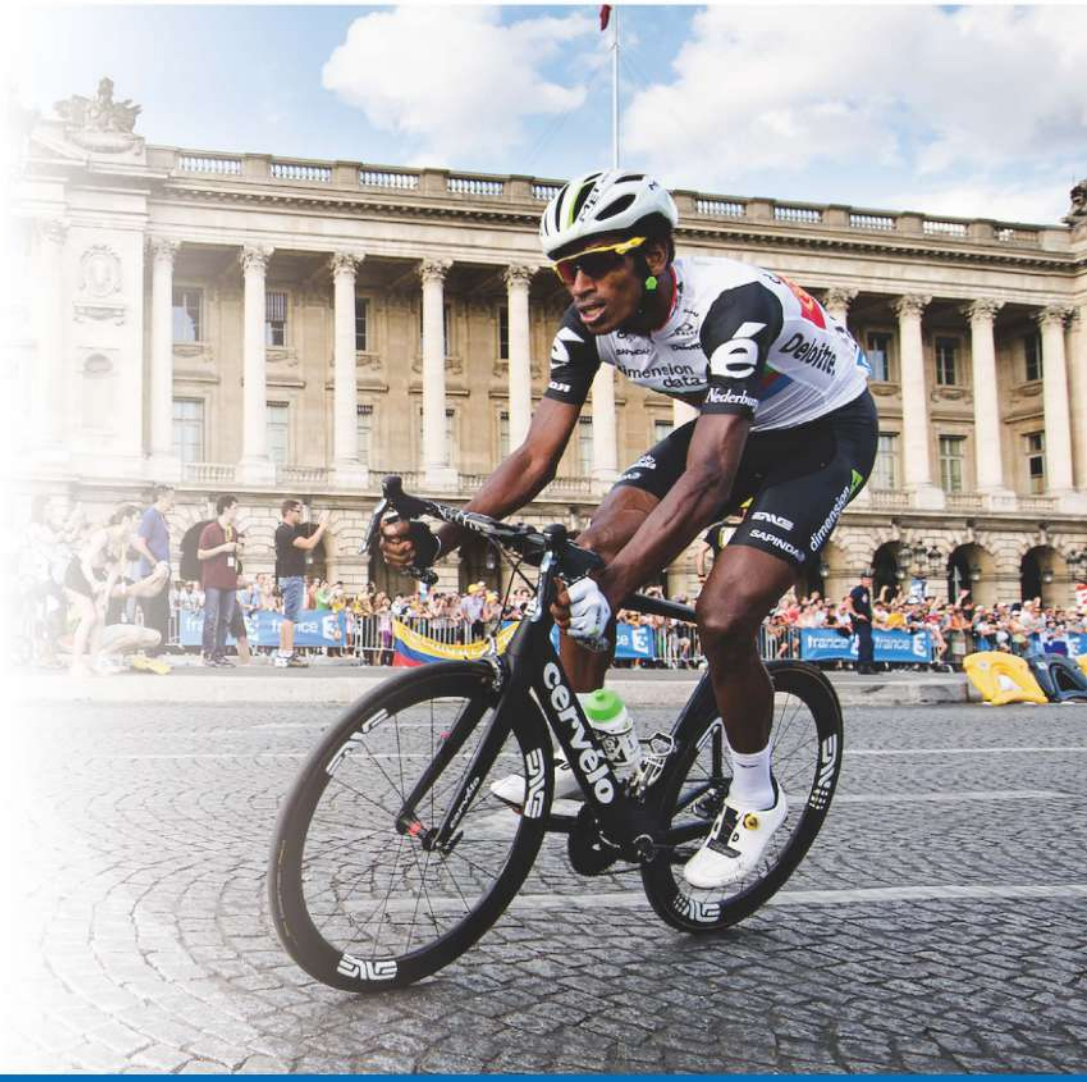
- X-Durability
- Double "X" Bridge Shape

Color Options:

Green, Dark Blue, Red, Black, Pink, Orange, Yellow, Purple, White, Blue

X11.93

- X-Durability
- Double "X" Bridge Shape
- Color: Silver/Black



10 SPEED

- **Compatibility with all 10-speed drivetrain systems**
- **116 Links**
- **Including MissingLink: CL559R (Re-usable)**

FOR ROAD, MTB, CYCLO CROSS AND TREKKING BIKES

DLC 10

- Super Light
- Titanium Carbon Nitride
- Highest Pin Power
- Open Inner and Outer Plate Design
- Extra Stretchproof Hollow Pin
- Triple X-durability
- Double "X" Bridge Shape
- Non-directional
- Color:
  Black/Red, Black, Black/Green, Black/Blue

X10SL

- Super Light
- Open Inner and Outer Plate Design
- Extra Stretchproof Hollow Pin
- Double X-Durability
- Double "X" Bridge Shape
- Non-Directional
- Color: Ti-N(Gold), Silver

X10EL

- Extra Light
- Open Inner and Outer Plate Design
- Double X-Durability
- Double "X" Bridge Shape
- Non-Directional
- Color: Ti-N(Gold), Silver

X10e EPT

- For all 10 speed eBike Drivetrain Systems
- ECO ProTeQ Anti-Rust Technology
- Highest Pin Power
- Triple X-Durability
- High Torsion Strength

X10e

- For all 10 speed eBike Drivetrain Systems
- Highest Pin Power
- Triple X-Durability
- High Torsion Strength
- Color: Silver Polish

X10 EPT

- ECO ProTeQ Anti-Rust Technology
- Double X-Durability
- Double "X" Bridge Shape

X10 VIVID

- X-Durability
- Double "X" Bridge Shape

Color Options:

Green, Dark Blue, Red, Black, Pink, Orange, Yellow, Purple, White, Blue

X10.93

- X-Durability
- Double "X" Bridge Shape
- Color: Silver/Black

9 SPEED

- Compatibility with all 9-speed drivetrain systems
- 116 Links
- Including Missinglink: CL566R (Re-usable)

FOR ROAD, MTB AND TREKKING BIKES

X9SL

- Super Light
- Open Inner and Outer Plate Design
- Extra Stretchproof Hollow Pin
- Double X-Durability
- Double "X" Bridge Shape
- Color: Ti-N(Gold), Silver

X9L

- Light
- Mud Shedding Design
- Double X-Durability
- Double "X" Bridge Shape
- Color: Ti-N(Gold), Silver

X9e EPT

- For all 9 speed e-Bike Drivetrain Systems
- ECO ProTeQ Anti-Rust Technology
- Highest Pin Power
- Triple X-Durability
- High Torsion Strength

X9e

- For all 9 speed e-Bike Drivetrain Systems
- Highest Pin Power
- Triple X-Durability
- High Torsion Strength
- Color: Silver Polish

X9 EPT

- ECO ProTeQ Anti-Rust Technology
- X-Durability
- Double "X" Bridge Shape

X9 VIVID

- X-Durability
- Double "X" Bridge Shape

Color Options:

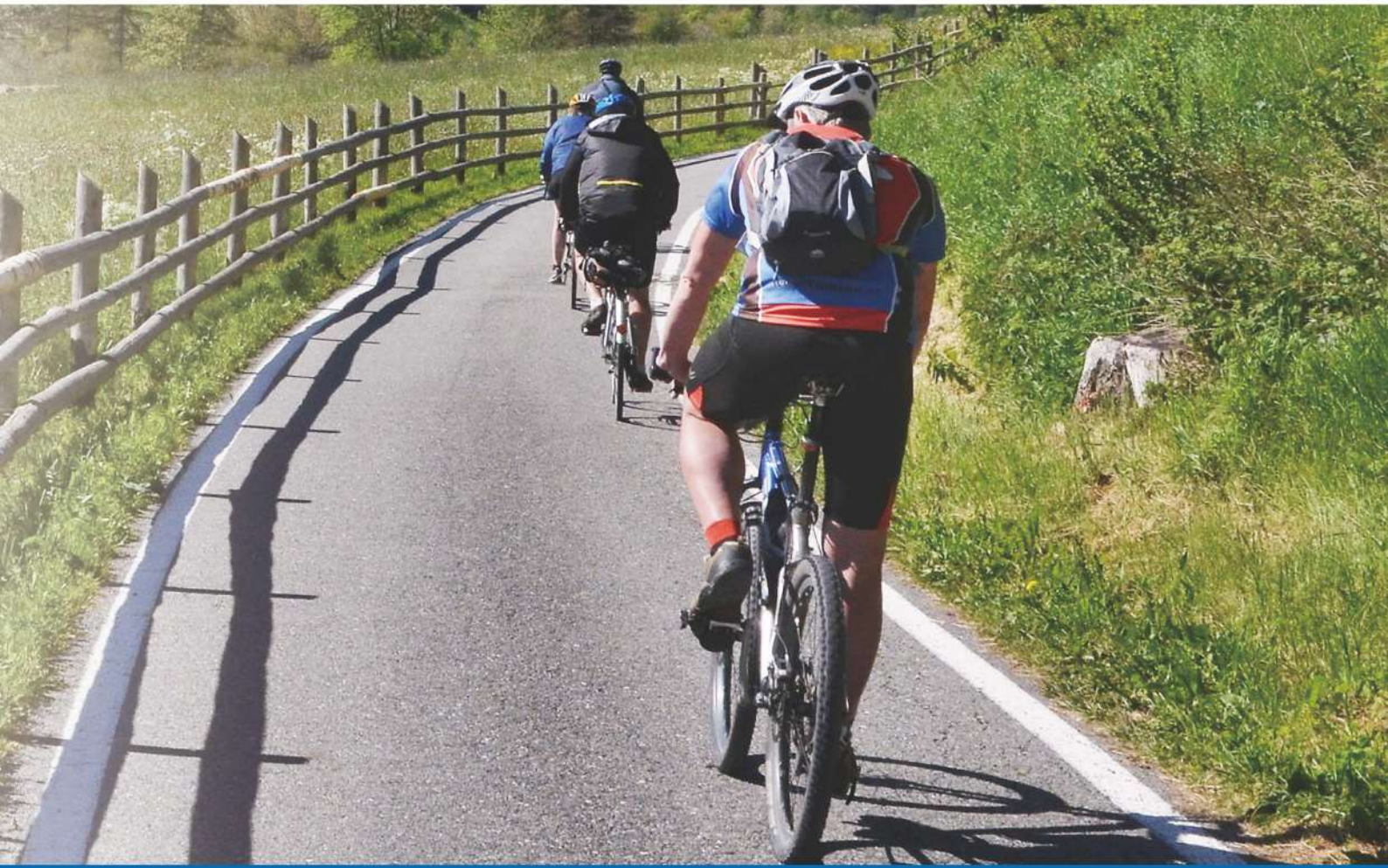
Green, Dark Blue, Red, Black, Pink, Orange, Yellow, Purple, White, Blue

X9.93

- X-Durability
- Double "X" Bridge Shape
- Color: Silver/Gray

Z99

- "Z" Bridge Shape Outer Plate
- Silent Action
- Color: Gray



8~6 SPEED

- Compatibility with all 8, 7, 6-speed drivetrain systems
- 116 Links
- Including MissingLink: CL573R (Re-usable)

FOR ROAD, MTB, CITY AND TREKKING BIKES

X8PL

- Light
- Mud Shedding Design
- X-Durability
- Double "X" Bridge Shape
- Color: Ti-N, Silver

X8 EPT

- ECO ProTeQ Anti-Rust Technology
- X-Durability
- Double "X" Bridge Shape

X8.93

- X-Durability
- Double "X" Bridge Shape
- Color: Silver/Gray

Z7

- "Z" Bridge Shape Outer Plate
- Color: Silver/Brown

Z51 RB

- RB Anti-Rust Coating
- "Z" Bridge Shape Outer Plate
- Color: Gray
  Including MissingLink CL571RB
  (Non Re-usable)

Z51

- "Z" Bridge Shape Outer Plate
- Color: Brown/Brown
  Including MissingLink CL571R

Z50

- Silent Action
- Color: Gray/Brown

Z33

- Touring Bon-Index
- Silent Action
- Color: Gray/Brown

SINGLE SPEED

- Single speed drivetrain compatibility

FOR CITY, FIXIE, IGH, BMX AND TRACK BIKES

X101

- Light
- High Rigidity
- Triple X-Durability
- Bushing Construction
- Sudden Gear Impact Ability
- Color: Gold, Silver
  Size: 1/2" x 1/8"
  Including MissingLink
  CLX101(Non Re-usable)

X1

- Double X-Durability
- "X" Bridge Shape
- Developed for High End Internal Gear Hub
- Color: Ti-N(Gold), Silver
  Size: 1/2" x 3/32"
  Including MissingLink CL573R

CH01

- StretchProof Hollow Pin
- Double X-Durability
- Color: Silver/Orange
  Size: 1/2"x 1/8"
  112 Links
  Including Connecting Link

HP1L

- Light
- Low Noise
- Color: Gray
  Size: 1/2"x 1/8"
  112 Links
  Including Connecting Link

KK710

- Extreme BMX Sports Design
- iF Product Design Gold Award
- reddot design award
- Double L Bridge
- Sudden Gear Impact Ability
- Color: Silver
  Size: 1/2"x 1/8"
  112 Links
  Including Connecting Link

reddot design award

K810SL / K710SL

- Super Light
- High Torsion Strength
- Special Dynamic Configuration
- Color: Ti-N(GOLD), Silver
  Size: K810SL (1/2"x 3/32")
  K710SL (1/2"x 1/8")
  112 Links
  Including Connecting Link

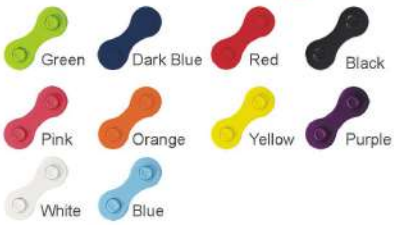
K910

- Special Dynamic Configuration
- Color: Silver/Black
  Size: 1/2"x 3/16"
  100 Links
  Including Connecting Link

K810 / K710

- High Torsion Strength
- Special Dynamic Configuration
- Color: Silver/Black, Silver
  Size: K810 (1/2"x 3/32")
  K710 (1/2"x 1/8")
  112 Links
  Including Connecting Link

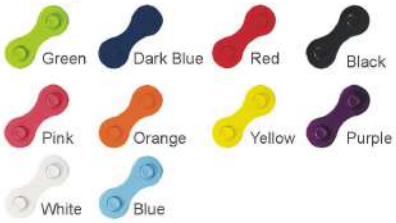
Color Options:



HL710

- Half Link Design
- Easy to Adjust
- Color: Gold, Silver
  Size: 1/2"x 1/8"
  112 Links
  Including Connecting Link: Bullet Pin

Color Options:



SINGLE SPEED

- Single speed drivetrain compatibility

FOR CITY AND TREKKING BIKES

Z610HX

- Enhanced Durability
- Heavy Duty Structure
- Anti-Drop Design
- Color: Silver
  Size: 1/2"x 3/32"
  128 Links or 136 Links
  Including Connecting Link

Z610 RB

- Anti-Drop Design
- RB Anti-Rust Coating
- Color: Gray
  Size: 1/2"x 3/32"
  112 Links
  Including Connecting Link

Z610

- Anti-Drop Design
- Low Noise
- Color: Brown
  Size: 1/2"x 3/32"
  112 Links
  Including Connecting Link

Z510HX

- Enhanced Durability
- Heavy Duty Structure
- Anti-Drop Design
- Color: Silver
  Size: 1/2"x 1/8"
  128 Links or 136 Links
  Including Connecting Link

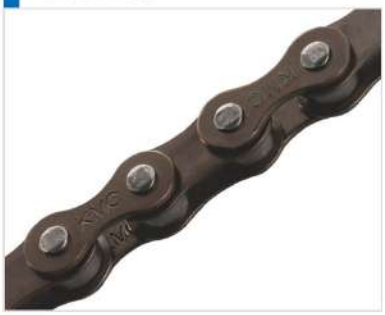
Z510H

- Heavy Duty Structure
- Anti-Drop Design
- Color: Brown/Gray
  Size: 1/2"x 1/8"
  112 Links
  Including Connecting Link

Z510 RB

- Anti-Drop Design
- RB Anti-Rust Coating
- Color: Gray
  Size: 1/2" x 1/8"
  112 Links
  Including Connecting Link

Z510



- Anti-Drop Design
- Low Noise
- Color: Brown
  Size: 1/2"x 1/8"
  112 Links
  Including Connecting Link

Z410 RB

- Low Noise
- RB Anti-Rust Coating
- Color: Gray
  Size: 1/2" x 1/8"
  112 Links
  Including Connecting Link

Z410A

- Low Noise
- Color: Brown
  Size: 1/2"x 1/8"
  112 Links
  Including Connecting Link

COLOR

Color Options:

Green Dark Blue Red Black
Pink Orange Yellow Purple
White Blue

MissingLinks

11~10 SPEED

MissingLink 11 CL555 (Non Re-usable)

- Color: DLC, Ti-N(Gold), NP(Silver)
- Corresponding Model: X11SL, X11EL, X11L, X11
- Compatibility: KMC, SHIMANO & Campagnolo 11 speed chain
- KMC MissingLink connector and remover are recommended for easy installation and safety.

MissingLink 11R CL555R (Re-usable)

- Color: DLC, Ti-N(Gold), NP(Silver)
- Corresponding Model: X11SL, X11EL, X11
- Compatibility: KMC, SHIMANO & Campagnolo 11 Speed Chain.
- Note: MissingLink should be replaced with chain. Limit connecting and reopening to 3-5 times.
- KMC MissingLink connector and remover are recommended for easy installation and safety.

MissingLink 10R CL559R (Re-usable)

- Color: DLC, Ti-N(Gold), NP(Silver)
- Corresponding Model: X10SL, X10EL, X10
- Compatibility: KMC, SHIMANO 10 speed chain
- Note: MissingLink should be replaced with chain. Limit connecting and reopening to 3-5 times.
- KMC MissingLink connector and remover are recommended for easy installation and safety.

MissingLink 10CR CL559CR (Re-usable)

- Color: NP(Silver)
- Corresponding Model: Campagnolo 10 speed chain
- Note: MissingLink should be replaced with chain. Limit connecting and reopening to 3-5 times.
- KMC MissingLink connector and remover are recommended for easy installation and safety.

9~6 SPEED

MissingLink 9R CL566R (Re-usable)

- Color: Ti-N(Gold), NP(Silver)
- Corresponding Model: X9SL, X9L, X9, Z99
- Compatibility: All brands of 9 speed chain
- Note: MissingLink should be replaced with chain. Limit connecting and reopening to 3-5 times.
- KMC MissingLink connector and remover are recommended for easy installation and safety.

MissingLink 7.3 CL573R (Re-usable)

- Pin Length: 7.3mm
- Color: Gold, NP(Silver), Blue
- Corresponding Model:
  8 Speed: X8PL, X8, Z8 / **7 Speed:** Z7, Z50 / **6 Speed:** HP6L, Z33
- Compatibility: SHIMANO UG51, HG40 /50 /70 /90 Chains, and universal 7.3mm size fits most 6, 7 and 8 speed derailleur chains.
- Note: MissingLink Should be replaced with chain. Limit connecting and reopening to 3-5 times.
- KMC MissingLink connector and remover are recommended for easy installation and safety.

MissingLink 7.1 CL571R (Re-usable)

- Pin Length: 7.1mm
- Color: NP(Silver)
- Corresponding Model: Z51, Z92, Z82, Z72
- Compatibility: SRAM 7 and 8 speed chains, and universal 7.1mm size chains.
- Note: MissingLink should be replaced with chain. Limit connecting and reopening to 3-5 times.
- KMC MissingLink connector and remover are recommended for easy installation and safety.

MissingLink Connector and Remover

- **Specially shaped to prevent damaging the chain when closing the MissingLink**

Classroom Film

MissingLink Connector

1. Insert ends into chain on either side of MissingLink.
2. Hold MissingLink.
3. Apply pressure until click is heard indicating that the MissingLink is closed.

MissingLink Remover

1. Insert ends into chain on either side of MissingLink.
2. Hold MissingLink.
3. Apply pressure until MissingLink pins disengage.

Pin-Reversible Riveter

- **KMC's Pin-Reversible Rivetter is the perfect tool for cutting your new chain to its required length. For single speed to 12-Speed chains.**

Classroom Film

Replacing the De-riveting pin

1 Rotate the handle counterclockwise.

2 Remove entire handle with pin from chain tool body.

3 Pull the pin out of the handle. Rotate pin 180 degrees, and insert back into handle. Replace handle into chain tool body.

Instructions

1 Rotate handle counterclockwise until de-riveting pin clears chain cradle.

2 Place chain on chain cradle and align chain rivet with de-riveting pin.

3 Cover chain with thumb and hold down for safety. Rotate handle clockwise until de-riveting pin tightens against chain rivet.

4 Check for appropriate contact position and continue rotating handle clockwise to remove chain rivet.

5 Release handle and inspect chain for successful rivet removal. Remove chain from tool and separate.

Sprocket Checker

- **Use the Sprocket Checker tool to easily know the status of the sprocket**

Classroom Film

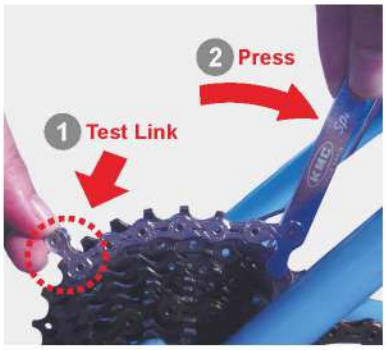
Instructions

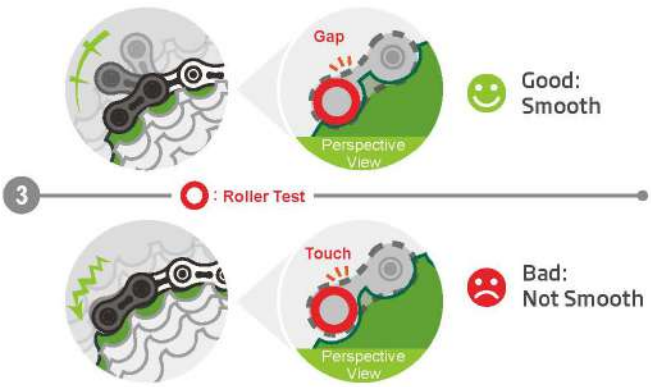
1 Use with 12 to 21 tooth sprockets. Place the Sprocket Checker chain on sprocket with the bottom round end of the handle between two teeth and the test link angling away from the sprocket.

2 Apply a force of 10kg/22lbs on the handle in the direction of sprocket/drive rotation. While the Spocket Checker chain is under load, swing the test link onto the sprocket.

3 The test link easily moving onto the tooth's bottom means the sprocket is in good condition. If not, it is worn and should be replaced.

⚠ If the entire checker falls off the sprocket when force is applied, the sprocket is severely worn.

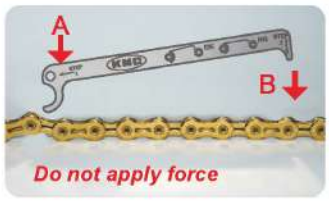




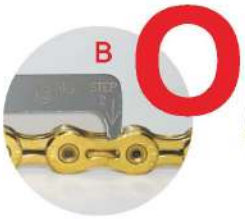
Easy Chain Checker

- By using regularly, this chain checker quickly gives you information about your chain's condition.

Classroom Film



Hook A on to roller and insert B into appropriate link.



If B rests on roller, chain is in good condition.

If B falls into link, chain should be replaced.

Digital Chain Checker

- Our Chain Checker is a handy device that can diagnose the chain's condition. This tool will help you to increase the service to your customers by preventing excessive wear of the chain wheel and cassette.

Classroom Film

1

Turn on and press together as shown. Press "Zero" to calibrate.

2

Hook A on to roller and insert B into appropriate link. (you may need to apply pressure.)

3

Look at digital readout and refer to chart.

Chain Lube Pro Kit

- The original Chain Lube, which we use to lubricate our X-Series chains, is the best lube for long and efficient chain life.

Classroom Film

- High Penetrability
- Lasting Lubrication
- Suitable for all road and weather conditions.
- Available in a 120ml bottle, brush included.

Dr.Chain

Let you fully understand the KMC chain

How to Choose the right chain for your bike?

Step 1. Count how many gears are in your freewheel (Speed)		Step 2. Objective: Racing	Professional Training		Leisure and Commuting
11S 33/22/11(Speed)	Yes → / No ↓	> X11SL	> X11EL	> X11 EPT	> X11.93
10S 30/20/10(Speed)	Yes → / No ↓	> X10SL	> X10EL	> X10 EPT	> X10.93
9S 27/18/9(Speed)	Yes → / No ↓	> X9SL	> X9L	> X9 EPT	> X9.93
8S 24/16/8(Speed)	Yes →		> X8PL	> X8 EPT	> X8.93

For BMX, Fixed Gear, Life Style		
1S	Model: 1/2"x1/8"	K710SL • K710 • Z510H • HL710 • Z410
	Model: 1/2"x3/32"	K810SL • K810 • Z610H • HL810 • Z610

How do I know what speed of chain I should use?
Just count how many gears are in your freewheel. For example, if there are ten gears - use 10 speed chain.

Miles of Maintenance

The black dot indicates suggested mileage for maintenance. You can fill in the date of maintenance for reference.

Maintenance \ Mileage (KM)	250	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000
Basic Maintenance (chain) • Cleaning • Lubrication	●		●		●		●		●		●	
Advanced Maintenance (chain+ chainring + sprocket) • Cleaning and degrease • Lubrication		●		●		●		●		●		●
Measure Chain Wear				●		●		●	●	●	●	●
Check Gears & Derailleurs				●		●		●		●		●
Adjust Cable Tension		●		●		●		●		●		●

For road use, inspect your chain at least once every month or every 250 kilometres (150 miles).For off road use, inspect your chain at least once every 100 kilometres (60 miles).
Above information is for reference only. Maintenance varies per user.

MissingLink Compatibility Chart

KMC MissingLink Model	Speed	Compatibility		
		Campagnolo	KMC	SHIMANO
CL555	11S	●	●	●
CL559R	10S		●	●
CL559C	10S	●		
CL566R	9S		●	●
CL571R	7、8S		●	
CL573R	6、7、8S		●	●

Re-usable MissingLink

For re-usable MissingLink, we recommend you to replace the MissingLink after being connected and opened 3-5 times.

Non Re-usable MissingLink

One-time use MissingLink: with latch design

CL571R designed for: Z92, Z82, Z72, Z51 KMC Chain.
CL573R designed for: Z8, Z7, Z50 KMC Chain.

How to Measure a New Chain

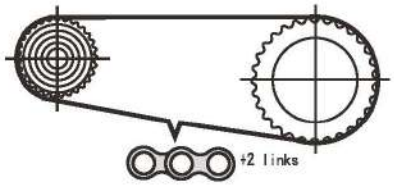
- **Clean the bearing on end of chain and lubricate the pins on MissingLink before putting on new chain.**

Method A

Make sure new chain length is the same as original chain length.

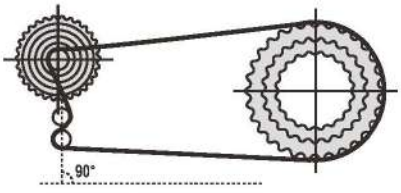
Method B

Place chain on largest chainring and largest sprocket and add 2 links.



Method C

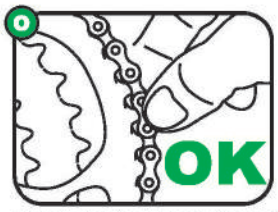
Place chain on largest chainring and smallest sprocket and put rear derailleur at 90 degree angle.



Three-Step Maintenance

Step 1. Inspection: Measure Chain Wear

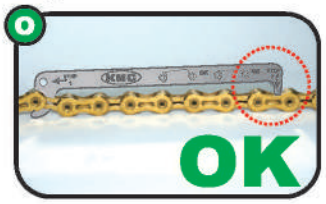
Visual Estimation



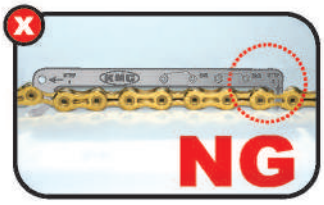
Put the chain on the outer chain ring, and lift up the chain from the middle of the ring.

If you can lift it more than half a link, the chain or chain ring are probably worn.

Easy Chain Checker



If the chain checker cannot be inserted into the links, chain is in good condition.



Put the chain on the outer chain ring, and lift up the chain from the middle of the ring.

Digital Chain Checker

Turn on and press together as shown. Press "Zero" button to calibrate.

Hook on roller and insert into appropriate link (you may need to apply pressure). Look at the digital readout and refer to the next chart.

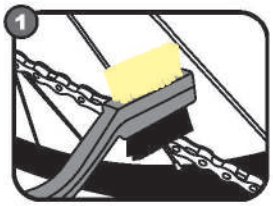
Reference Data

Measurement Data (mm)	0< ☻ <0.4	0.4< 😐 <0.8	0.8< ☹
Chain Condition	Good. Perform regular maintenance on chain.	Mild wear. Check your chain after each ride.	Excessive wear. It is suggested to replace chain immediately.

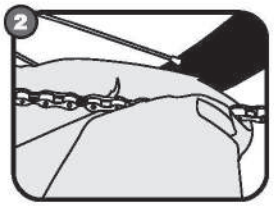
Regularly inspect your chain for: wear / damage / surface condition (rust etc.)
Caution: Excess chain wear will shorten drivetrain life and decrease safety while riding.

Step 2. Cleaning

- Clean your chain after each ride, especially after riding in wet weather.
- Always use a piece of dry cloth to clean the chain. Do not forget the sprockets, front changer and derailleur pulleys.
- Try to avoid a so-called 'chain washing machine' in combination with solvent. This will instantly ruin your chain.
- Some lubricant brands advise you to completely degrease the chain, KMC does not recommend this.
- To remove mud or sand, use the bristle brush (which comes with every 120ml packing of KMC's chain lube Pro), use light soapy warm water, if necessary.
- Do not dip your chain in (aggressive) degreasers because they will remove the remaining grease from the chain's bearings, and may cause cracks. They are also bad for our environment.
- If the chain is really dirty and difficult to clean, besides using a brush for the inside, try putting some solvent on a cloth and use it to clean the chain's exterior.

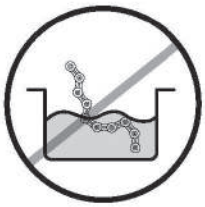


Use a hard brush (black brush) to remove mud or sand from the chain's surface and links.



Use a piece of dry cloth with neutral detergent to clean surface.

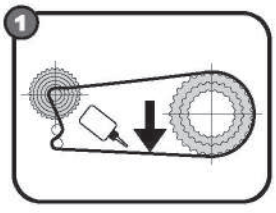
DO NOT soak chain in detergents or organic solvent such as gasoline and diesel.



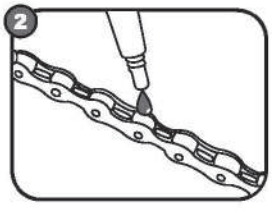
DO NOT use acidic or alkali based detergents (such as rust cleaners).

Step 3. Lubrication

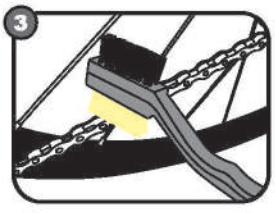
- Lubricate the chain whenever necessary and after each cleaning. Before lubricating, make sure the chain is dry.
- Make sure you are using the appropriate lubricant. if using an aerosol you should test it by spraying some on your hand. Frst it feels like water (penetrable), after some time it should become sticky or dry (durable lubrication), KMC recommends it's Chain Lube Original.
- In order to avoid a buildup of excess grease, apply it to the critical places only, like the rollers. This helps to reduce chain wear and noise.
- Apply just a little grease on the rest of the chain to prevent rust. Remove excess grease from the outside of the chain by using a cloth, this prevents a buildup of dirt and dust. Prepare for wet and muddy, or dry and dusty conditions, by applying some wax after lubricating the chain.
- In the case of derailleur bikes, use the same principle as above for maintaining and lubricating the derailleur pulleys, chain rings and cassette sprockets.



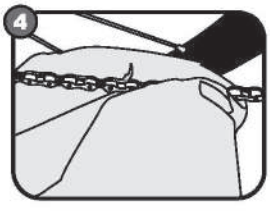
Apply lubrication on the top part of the lower chain.



Place each drop on the roller (and bearing), move the pedals to move the chain towards to ensure all rollers on chain have been lubricated.



Use a soft brush (white brush) to evenly distribute grease on chain.



Use a piece of cloth to wipe the surface to remove excess grease and evenly spread the grease on chain.

KMC

LINK TO PERFECTION

KMC (KUEI MENG) International Inc.

8F-5, No.425, Jhong Hua Road, Yong Kang Dist.,
Tainan City 71079, Taiwan, R.O.C.
TEL:886-6-303 7111 FAX:886-6-303 7333
E-mail : kmcweb@kmcchain.com
www.kmcchain.com www.kmcchain.asia

KMC Chain YouTube kmcchaintw