



SIB 33 01 21 M ENDURANCE CHAIN

MODEL

E-Series	Model Description
K63	S 1000 R
K66	M 1000 RR
K67	S 1000 RR
K69	S 1000 XR

SITUATION

This bulletin provides general information about the M Endurance chain and is a supplement to product information bulletin AS-A-49-20, attached.

PROCEDURE

The M Endurance chain outer plates and rollers are DLC-coated, and hence possess a high level of hardness and lower friction. This results in less wear and consistent performance over the service life of the chain and is thus more convenient for the customer.

The M Endurance chain is a low-maintenance chain, not a maintenance-free chain. This means that maintenance of the chain between services is not required in most cases.

Exceptions to this arise if the motorcycle is driven in winter, snow, constant rain on very dirty, wet, salted roads. In such cases, the chain should also be cleaned and lubricated between service intervals, according to the note in the "Service" section in the rider's manual, using a chain grease suitable for O-rings, for example part number 72 60 2 240 336.

For motorcycles for which the M Endurance chain is available but that were built at the factory without it, the chain sprocket and pinion must be checked for wear BEFORE installing the M Endurance chain. Exchanging the chain sprocket and pinion is only necessary if wear is identifiable.

There are no special chain sprockets or pinions that are required for use with the M Endurance chain. The combination of M Endurance chain, standard pinion and chain sprocket has been extensively tested and approved, and will not result in increased wear in either the chain sprocket and pinion or the M Endurance chain.

Please note: Chains elongate the most in the first 650 miles after installation. This should always be pointed out to the customer as chain tension must be checked regularly and, if necessary, readjusted.

The M Endurance chain is tested and approved exclusively for use in the K6x S models. It is currently being tested for use in K8x models.

Please note: the M Endurance chain will **not** be tested or offered for K4x models.

PARTS INFORMATION

Part Number

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33 81 9 444 387	M Endurance Chain, S 1000 RR (K67), S 1000 R (K63)
77 31 7 921 746	M Endurance Chain, M 1000 RR (K66)
33 81 9 444 386	M Endurance Chain, S 1000 XR (K69)
38 81 9 444 388	Master Link

QUESTIONS REGARDING THIS BULLETIN

Technical inquiries	Contact the BMW Technical Support Group via TSARA
Warranty inquiries	Submit an IDS ticket to the Warranty Department
Parts inquiries	Submit an IDS ticket to the Motorrad Parts Department

Supporting Materials

[picture_as_pdf AS A 49 20 M Endurance Chain.pdf](#)

[picture_as_pdf 33 01 21 M Endurance chain.pdf](#)

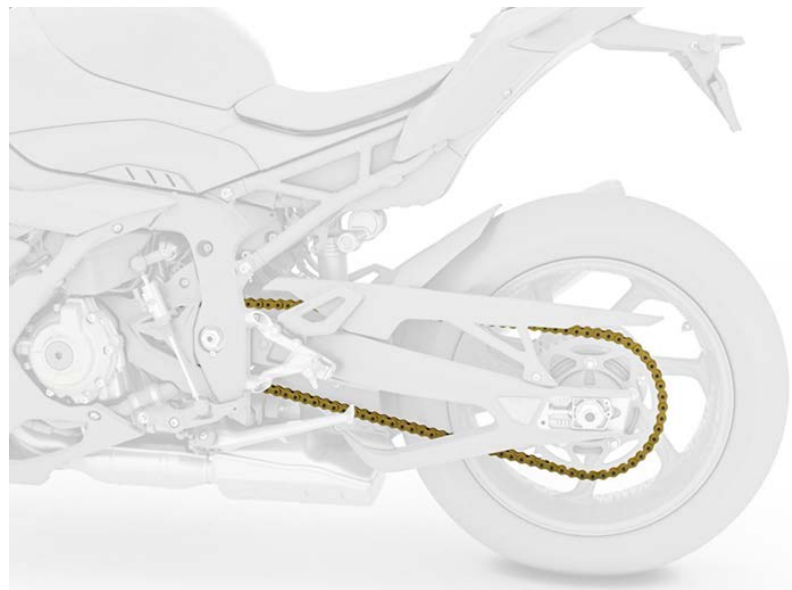
Retail Operator / General Manager	Sales – Motorcycles	Sales - Used Motorcycles	Business Manager (F&I)	Service	Parts & Accessories	Administration
Date: October, 2020 Bulletin #: AS-A-49-20		Source: BMW Motorrad USA Name: Adam Sacher Title: Aftersales Marketing Specialist Phone #: 201.307.3717				



BMW Motorrad USA

Aftersales Parts Information Bulletin

Subject: M Endurance Chain



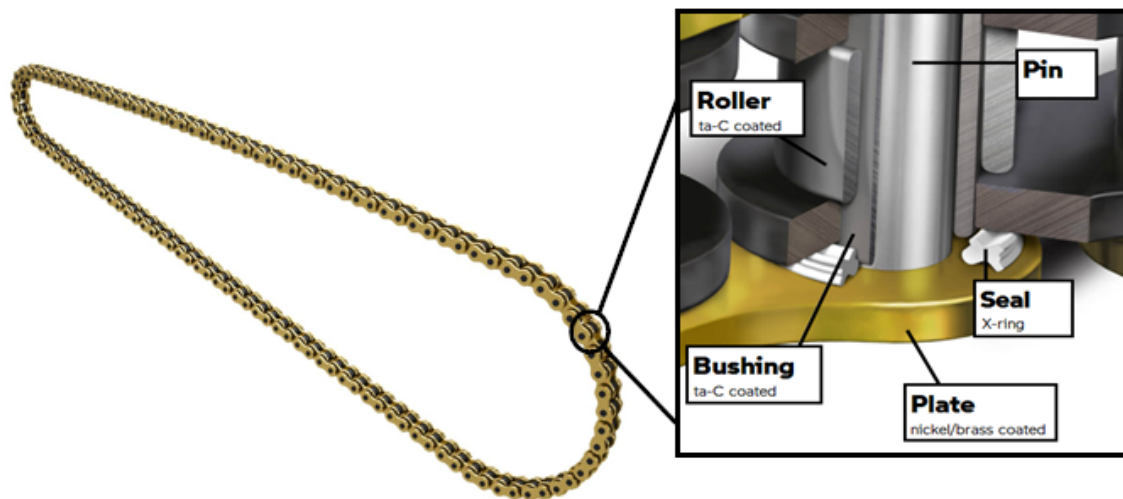
Overview: For more than 90 years, the maintenance-free, environmentally friendly and comfortable shaft drive design has been one of BMW Motorrad's immovable technical cornerstones. Now with the M Endurance Chain, BMW Motorrad offers a maintenance-free drive chain with comparable characteristics for the first time. Previous similarities from the older drive chain carry over with the use of X-rings which permanently hold lubricant between the rollers and pins but this chain now gets a substantial upgrade with a DLC (Diamond Like Carbon) coating material used on its rollers which is what makes the M Endurance Drive Chain maintenance-free.

New:

- Maintenance-free Drive Chain:
 - No lubrication needed.
 - Minimal chain stretching occurs which minimalizes chain slack adjustments.
- Diamond Like Carbon coating material:
 - DLC-coated rollers and bushings

Technical Details:

- X-ring drive chain:
 - Permanently holds lubrication between the rollers and pins.
- DLC coated rollers and bushings:
 - Coating material is Tetrahedral Amorphous Carbon (ta-C) which is also known as industrial diamond.
 - This coating material is characterized by extreme hardness/resistance and in this respect, it is placed between the well-known DLC coating and pure diamond rating.
 - In contrast to the metal surfaces used in the drive chain industry thus far, the ta-C coating does not wear off.
 - This ta-C coating provides excellent dry lubrication properties which drastically reduces friction and can provide approximately 1% more power to the rear wheel.
- Environmentally friendly:
 - Due to chain cleaning and lubrication no longer needed, additional chemicals for normally required drive chain maintenance will not be released into the environment.
- Chain size:
 - 525 pitch x 119 link: S 1000 RR (K67)
 - 525 pitch x 121 link: M 1000 RR (K66)
 - 525 pitch x 127 link: S 1000 XR (K69)



Description	Part Number	MSRP
M Endurance Chain, S 1000 RR (K67)	33 81 9 444 387	\$351.91
M Endurance Chain, M 1000 RR (K66)	TBD	\$TBD
M Endurance Chain, S 1000 XR (K69)	33 81 9 444 386	\$351.91
(+) Master Link	38 81 9 444 388	\$8.97

Note: All prices are introductory and subject to change without notice. Check current prices before ordering or creating customer quotes.

(+) Required for installation of M Endurance Chain

MORE QUESTIONS?

Contact Information:

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Aftersales Marketing Specialist	Adam Sacher	Adam.Sacher@bmwna.com
Material Planning and Parts Logistics Analyst	Phil DiGaetano	Philip.DiGaetano@bmwna.com

Service Information Bulletin

Rear Axle, Rear Drive

March 12, 2021

33 01 21

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