



SUBJECT

Magnetic Encoder Card

PRODUCTS DESIGNATIONS

VKN 604

CAR MANUFACTURERS - BRANDS



All - Suitable for all wheel bearing generations with a magnetic ABS signal ring integrated in the wheel bearing seal



SKF Kit

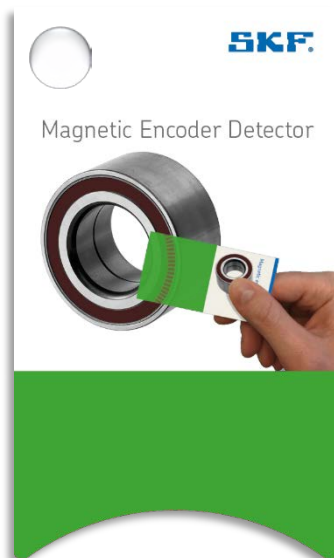
OE number (equivalency)

VKN 604

No OE number applicable

Most wheel bearings with integrated ABS ring have a magnetic impulse ring integrated in the wheel bearing seal. Especially for HBU 1 bearing units it's important to identify the side with the ABS ring as it is mandatory to fit the bearing with the magnetic impulse ring in the correct way, always towards the wheel sensor.

To identify the correct side and ensure that the magnetic encoder ring works properly, we introduce the new magnetic encoder card VKN 604



Front site



Back site

Rules for handling of bearings with ABS ring and how to proceed for correct mounting:

- ALWAYS work in clean areas.
- Do not place magnet objects close to the ABS ring or expose it to hits and bumps
- Before starting with the mounting of the bearing, take the magnetic encoder detector and check on which side of the bearing the ABS ring is placed and if the magnetic encoder ring is in good condition (see pictures below).
- Clean the ABS sensor properly, before mounting the new Hub
- ALWAYS use the correct tool to avoid damaging the bearing during installation.
- When mounting the HBU, always place the magnetic sensor towards the wheel sensor. Be careful with the distance between the HBU and the sensor and always follow the instructions of the manufacturer, while mounting the new HBU.



ABS magnetic impulse ring in good condition.
All segments are evenly spaced, and no irregularities are visible on the entire ring.



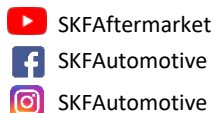
ABS magnetic impulse ring in bad condition.
The magnetic sensor ring is damaged, some segments are no longer separated from each other and thus can no longer indicate an even speed signal.

As this magnetic field card is not only to be used to ensure the mounting direction, but also to ensure that the magnetic pulse ring provides the correct signal, we have adapted the shape of the card to cover a larger area of the ring on pre-assembled bearings.



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