

Cage nut

Next-generation cage nut for fast, precise and flexible fixation



The cage nut can provide the ease and flexibility needed in certain application areas. The nut is slightly loose in the cage to allow for a minor tolerance adjustment. Also, the product is easy to use on materials that are too thin or soft for threading.

The nut is isolated from its cage by a synthetic bushing. This keeps the thread of the nut free from having a layer of coating applied to it during the cathodic dip coating process, eliminating the need for any costly pre- or post-production treatments.

Continuous product innovation and improvements made to the manufacturing process have resulted in the cage nut reaching the third stage of its evolution. This next-generation nut ensures premium quality, which is reflected in very low product defect rates.

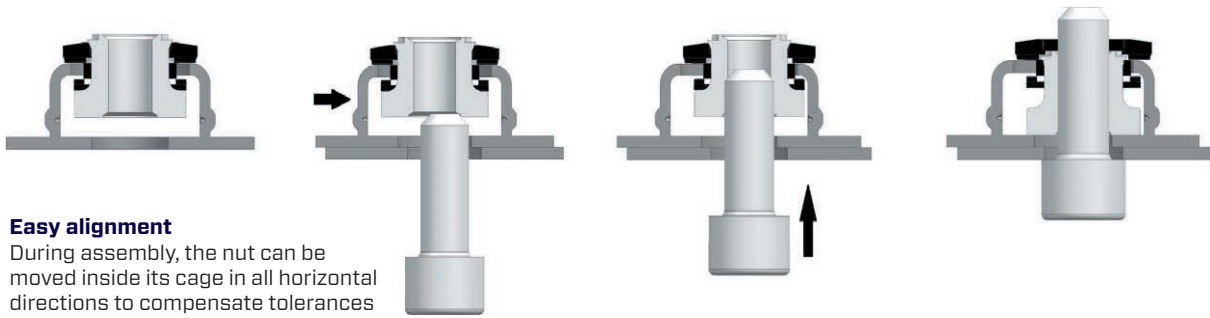
A standard range of assorted types of cage nuts is available in different dimensions. Next to that, the possibility exists to develop custom-made variants that are completely tailored to specific customer requirements.

CHARACTERISTICS

- The alignment feature of the cage nut with tolerances of up to around three millimeters, allows for the balancing of existing production tolerances and negative tolerance stackups.
- A synthetic bushing insulates the nut from the current flow that is applied during the coating process, ensuring that the nut thread remains uncoated and free of any paint residue.
- The cage nut provides considerable noise cancellation when processed in its unmounted state, due to optimized design and the minimal contact area of its synthetic bushing.

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QUICK, EASY AND RELIABLE FASTENING



Easy alignment

During assembly, the nut can be moved inside its cage in all horizontal directions to compensate tolerances of up to 3 mm, enabling it to adapt its position to a misaligned component.

APPLICATION

- Chassis
- Seating system
- Engine compartment
- Battery pack
- Interior
- Axles

PROPERTIES

- Fully corrosion protected
- Self-locking mechanism
- Four weldable cage feet
- Tolerance compensation in cage of up to 3 mm
- Surface treatment according to requirements
- Compatible with coated and uncoated steel
- Also available in non-threaded variant

DIMENSIONS

- M10 x 1.50 mm
- M12 x 1.75 mm
- M14 x 2.00 mm
- Different dimensions are available upon request

BENEFITS

- Highly reliable fastening due to welding of cage feet
- Nut thread uncoated and free of any paint residue
- Eliminates costly pre- and post-production treatments
- Noise reduction due to spring-loaded synthetic bushing
- Helps decrease fuel consumption due to low weight
- Enables minor alignment adjustment during assembly
- Colored appearance helps prevent mix-up of parts
- Easy replacement in case of an over-tightened bolt
- Compatible with materials too thin or soft for a thread



Mix-up prevention

Product variants have differently colored bushings to prevent mix-up of parts.

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