

# Floating Cage Nuts

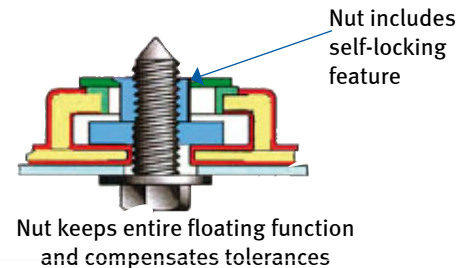
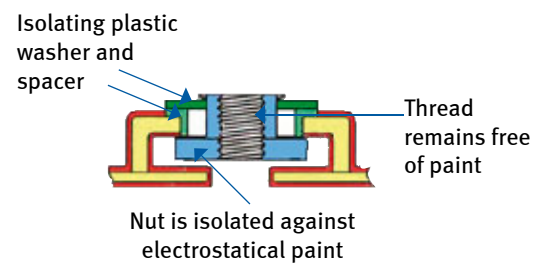
## Cutting costs with floating cage nuts

In automotive final assembly, the suspension subframe is mounted to the vehicle body. During this phase, delays can easily occur due to misalignment of weld nuts or paint substances located in the thread pitches. These causes of delay lead to exceptional loss of time and quality, resulting in significant extra costs.



Our structural cage nuts have been developed in order to provide a reliable solution to these problems. A steel cage containing a floating nut, provides the tolerance compensation (up to 3mm sideways movement). The nut is isolated from the cage by plastic spacers, preventing electrical current thus rendering the nut threads electrostatic paint proof.

Features	Benefits
Floating nut compensates for tolerances in the assembly process Plastic spacers isolate nut threads against electrostatic paint	Significant savings are made at the assembly interface point between the body and chassis Ensures bolt assembly is even in an off-center position Eliminates rework
Alternatively nuts can be simply inserted into cages after the painting process	Significant savings
Nuts with self locking feature	Joint is secure against vibration
Cage dimensions can be specially designed for optimum fit in application	Increases assembly efficiency Cage nuts are also more flexible than weld nuts because the nut can be made from any material (grade 10, 12, etc) without having to worry about welding



## Variants

Modular Cage Nuts



Insert Cage Nuts



Threaded plates



Nut sizes range from M8 to M12. However other nut sizes may be accommodated upon special request.

## Application examples

- Front axle suspension
- Rear axle suspension
- Rear axle retainer - front fixing point
- Front axle member to chassis assembly
- Reinforcement of front axle member
- Rod mount to chassis assembly
- Cross member to chassis assembly
- Seat rail fixing
- Door hinge fixing
- Brake power regulator fixing
- Comfort bearing retainer

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