



Patented Hybrid Core technology by MOOG

MOOG® has developed a new Hybrid Core bearing technology.

This patented system incorporates

- 1) a carbon fiber reinforced bearing
- 2) an induction heat treated ball stud.

It is applied to the most highly loaded components such as **ball joints, track control arms, wishbones, axial rods and tie rod ends.**

The **carbon fiber reinforced bearings** with **improved friction properties** reduce the gradual increase of radial deflection (commonly and more simply known as 'play') by up to 42%! This means that the **precise steering feel and controlled suspension movement** is maintained throughout the **extended lifetime** of the part.

Durability and safety are further improved through the use of induction heat treated ball studs. **Induction heat treatment** significantly increases the surface hardness in high-stress areas. This **makes the studs up to twice as strong and 5 times more durable.**



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