

DID YOU KNOW?

METAL UPPER RING AND CLOSING CAP ON LINK STABILISERS

ADVICE FOR THE PROFESSIONAL DYK21-07

OVERVIEW

Link stabilisers endure repeated push and pull movements in operation. Metal to metal component contact significantly increases wear resistance against these forces.

SYNTHETIC UPPER RING

The purpose of the **upper ring** is to ensure a strong and durable seal of the dust boot around the ball pin to prevent the intrusion to the housing of contaminants such as sand, dust or water.



Due to the repetitive articulations, a synthetic upper ring progressively loses its original clamping properties and contamination eventually leads to premature wear or damage of the plastic bearing and degraded lubrication. Increased play of the ball pin is symptomatic of component failure.

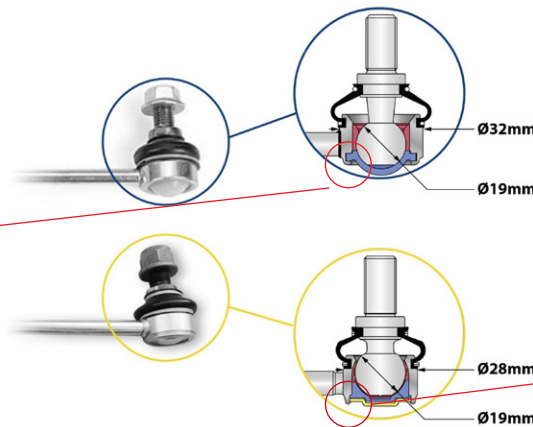


MOOG uses a **metal upper ring** on all its link stabilisers. This maintains a **performant seal** even at extreme articulation angles, throughout the service life of the part.

Another weak point of some link stabilisers is the use of a **plastic closing cap**. These can wear prematurely and clearance can develop, particularly following impact caused by a pothole for example.

MOOG uses a **metal closing cap** on all link stabilisers.

A thick plastic stopper meeting a hard steel material results in a weak point



A metal closing cap significantly limits deformation at the closing point

For a plastic closing cap to have the strength of its metal equivalent it would have to be much thicker with a larger housing.

MOOG achieves greater strength and performance whilst maintaining an unchanged ball diameter and fully conforming to OE specifications.

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