



New Protective Coating and Lubrication Technology Promises Increased Service Life of Control Arms, Ball Joints, Tie Rods, Drag Links and other Ball Pin Type Suspension Products.



Synthetic materials are increasingly being used in high friction industrial and automotive applications. Synthetic materials can be manipulated in many different ways depending upon how friction, heat, vibration, noise and corrosion are to be dissipated or controlled. Through collaboration with **Lufthansa Technik Intercoat GmbH** (www.lht-intercoat.com) and the technology pioneered through them Meyle Products has been able to use this technology to their advantage to even further improve upon some of their most popular suspension items. This technology coupled with the recently announced advanced grease formulation also developed by Lufthansa Technik Intercoat promises to bring the lifespan of suspension and steering components to a new level.



The surfaces of the ball-shaped head and plastic lining of the ball pin cup were modified by the use of the new technology developed by LTI. This creates a more favorable low-friction and anti-wear condition. This coupled with the advanced lubrication characteristics of the new grease resulted in replacement parts whose lifetime greatly exceeds that of the original parts.

The new advanced formula grease has been designed to fulfill the following criteria:

- ▶ It keeps a constant film between the plastic cup and the metal ball pin to avoid abrasion.
- ▶ It utilizes solid Teflon particles to reduce the thrust from damaging breakaway torque.
- ▶ It successfully keeps a secure film under the sealing lip of the protective grease boot.
- ▶ It is also successful in keeping a lubricating film on top of the metal ball pin to avoid corrosion
- ▶ It keeps foreign particles out of the bearing gap between the ball pin base and the plastic cup.

This new grease formulation far exceeds the standards set by OE specifications.

MEYLE - Miles in Motion