

Input Separation Type Strut Bearing



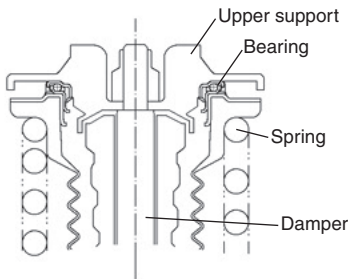
The input separation type strut which separately transmits the spring force and input force of damper to the body has realized excellent maneuverability and ride comfort and has been widely used in passenger cars. Here introduces a newly developed unitized bearing with spring seats for the input separation type strut.

Features

- Excellent impact resistance
- Carburized race rings
- Thrust angular contact ball bearing which is tough against lateral load
- Compact design
- Structure that can restrain the height of the upper support area for protecting pedestrians
- Structure with minimum bearing height by applying thinner race rings and smaller diameter balls

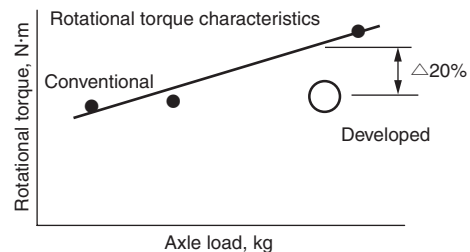
- Excellent performance of muddy water, rust and corrosion resistance
- Excellent seal structure which seals both race rings and spring seat (High muddy water proof and reduction of rotational torque are attained at the same time)
- Plating applied on the race rings

Structure

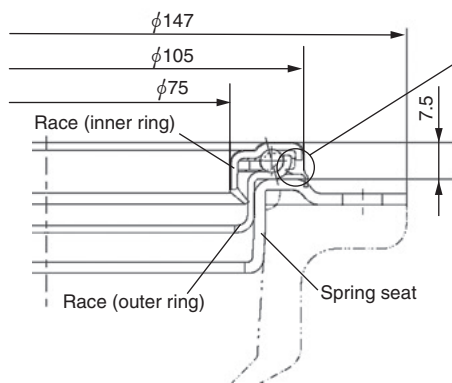


Strut type suspension

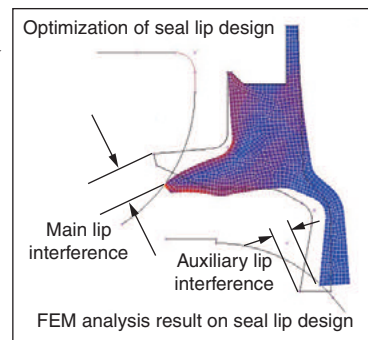
Performance



Developed bearing achieved 20% reduction of torque compared to conventional one



Bearing structure



Developed seal design ensures the same or better muddy water resistance than conventional one

(Chubu Technical Center, Bearing Business Operations Headquarters)