Short Type Sealed Journal Bearing Unit for Rolling Stock

Features

(1) Approximately 15% shorter axial length and 30% reduced journal deflection, contributes to improved journal bearing durability

(2) Rated load capacity, high-speed rotational performance and grease sealing performance equivalent to conventional products

Applications

- Journal bearing for rolling stock

Structure

Placing the newly developed oil seal within the journal bearing width allows secure sealing and short axial length of journal bearing units.

Newly Developed product

Conventional product

Reduction of approx. 15%
Compact Plunging Type Constant Velocity Joint for Propeller Shafts (HEDJ-P)

Plunging type constant velocity joint for propeller shafts provides compact and lightweight design

Features
- Weight: 17% reduction (compared with conventional products)
- Outer ring outer diameter: 6% reduction (compared with conventional products)
- Strength and durability: equivalent to the conventional products

Structure
Compact and lightweight design achieved by focused development on the most critical functions of constant velocity joint for propeller shafts.

Applications
- Constant velocity joint for Propeller Shafts

Product application in propeller shaft
Ultra High Angle DOJ (DOJ-W) for Multipurpose Off-road Vehicles

Plunging constant velocity joint with a maximum operating angle of 39 degrees

Features

- Maximum operating angle: 39 degrees (conventional product is 30.5 degrees)
- Strength and durability: equivalent to the conventional products
- Outer ring outer diameter: minimum increase in outer diameter dimension of less than 8% over compact design

Applications

- Drive shafts for multipurpose off-road vehicles

Maximum operating angle and outer ring outer diameter

※ Generic name for 4-wheel buggy vehicles with round steering wheels which are gaining popularity mainly in the U.S.A. for a wide range of applications from business to leisure. It is also referred to as SSV (Side by Side Vehicle), UTV (Utility Task Vehicle) or ROV (Recreational Off-highway Vehicle).