Sideshaft Application Example
UF - MTS - AAR

This sideshaft concept combines the proven UF type fixed joint on the outboard side (robust and cost-effective baseline solution for up to 50° maximum articulation angle) with the NVH benefits of the AAR plunging joint on the differential side. In combination with a Monobloc Tubular Shaft (MTS), this provides a very good choice for front-wheel driven vehicles or for the front axle of all wheel driven vehicles where smooth driveability and robust performance are the main drivers for the application.

**Design Features - UF**
- Rzeppa principle, 6-ball design
- Combined (circular and straight) longitudinal track form
- Best package and performance
- 50° maximum articulation angle
- Compact boots

**Design Features - AAR**
- Compact roller design
- 26° maximum articulation angle
- 54mm maximum plunging distance

**Design Features - MTS**
Highest tuning potential for
- natural bending frequency
- torsional stiffness
- lowest weight

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