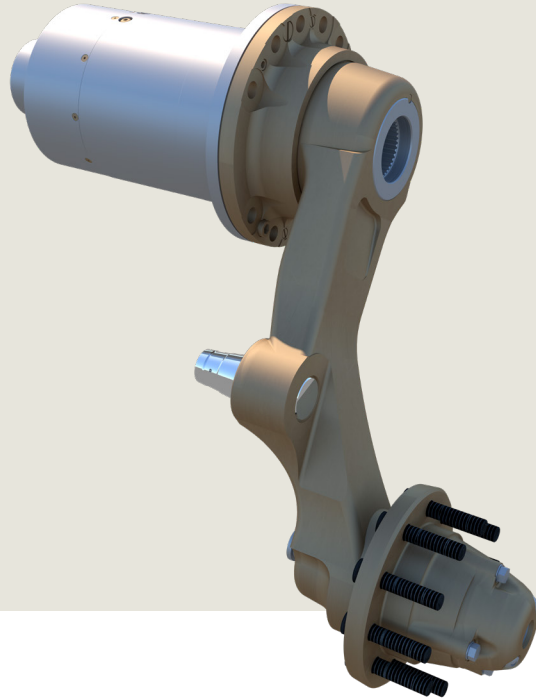


SUSPENSIONS

# Rotary Damper

/ Suspension Type  
**Fluid Damping**



Developed by Horstman in the 1970s for the UK MOD Warrior Infantry Fighting Vehicle (IFV) requirement, rotary damper suspension provided an upgrade in performance and reduced external space claim over linear shock absorber solutions.

Horstman's rotary dampers provide a compact and efficient damping solution with improved heat dissipation when compared to linear dampers.

Horstman's robust, combat proven rotary dampers have been in service on the Warrior IFV for more than 40 years. Our rotary dampers have a maintenance free construction resulting in a very low operation and maintenance cost.

Horstman has continuously upgraded its rotary dampers with enhanced seals, friction coatings and finishes to improve system life, computer-optimised the damper geometries and reduced the rotary damper weight.



## Reference Vehicles

- Warrior IFV
- CVR(T)
- Paladin Howitzer
- CV-90
- ULAN IFV

# Rotary Damper

## Features

- Direct mounting to vehicle hull/chassis
- Robust & Combat Proven
- Low Maintenance & Operating Cost
- Continuous Improvement

## Benefits

The primary function of a damper is to absorb the energy of vehicle motion and turn it into heat energy which can be dissipated over time. By mounting to the chassis/hull a rotary damper has superior heat transfer capability compared to a lower capability linear shock

More than 40 years of field service from the Arctic to the Tropics, and everywhere in between. Proven combat service in Afghanistan, the Balkans and Iraq

Maintenance free construction resulting in a very low operation and maintenance cost

Horstman's rotary dampers have been continuously updated with enhanced seals, friction coatings and finishes to improve system life. Geometries have been computer-optimised and the damper weight reduced

## Options

- Lever arms & connecting links
- Selectable damping
- Active damping

## Accessories

- HUMS sensors
- Link Arm kit
- Lever Arm kit

## Trusted Partner.

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