Voith provides customized retarder solutions for each OEM and each demand to meet customer needs.
Voith Retarder – Customized Solutions

Voith Retarder Product Range

Secondary
axle driven

Primary
engine driven

Inline

Offline

Aquatarder®

Voith can provide products at any part of the drive line.
Secondary Retarders – Product Range

Voith covers a performance range from 1500 Nm to 4000 Nm.
Inline Installation VR 133-2

Adapter plate
Transmission main shaft
VR 133-2
Attachment to Fast Gear 8JS180T

We can attach our retarders to any transmission.
Voith Retarder – Customized Solutions

Voith Retarder Product Range

Secondary
- axle driven
  - Inline
  - Offline

Primary
- engine driven
  - Aquatarder®

Voith Turbo

VOITH
Offline Installation VR 115

This solution offers compact design and no restriction for PTO use.
Offline Installation

VR 115 HV
Offline Solutions

Voith creates individual solutions for customers.

Voith Turbo
Voith Retarder – Customized Solutions

Voith Retarder Product Range

Secondary
axle driven

Primary
engine driven

Inline
Offline

Aquatarder®
**Primary Retarder - Aquatarder®**

- Operates with engine coolant
- Driven by crank shaft
- Maintenance free

$M_{\text{max}} = 1450 \text{ Nm (at crank-shaft)}$

Weight = 30 kg
Primary Retarder - Aquatarder®

At MAN the combination of engine brake and the Aquatarder® is called PriTarder® braking system.
Trucks and Tractors
Construction Vehicles
Voith Retarder – Customized Solutions

For Everybody
Sole independent manufacturer of hydrodynamic retarders worldwide

Anywhere
Attachment solutions anywhere in the drive line

For every vehicle
Customized retarder for each OEM

Everywhere
On every continent

We are able to respond to all customer demands!