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VOITH

More safety, less costs
Retarder VR 115 CT



Increase transport performance safely

Economy, safety and driving comfort – this is what our hydrodynamic Retarders ensure.

Retarder VR 115 CT



Economy

**Get your customers on the road to success.
Voith Retarders pay off – for you and your customers.**

Reduction of vehicle operating cost

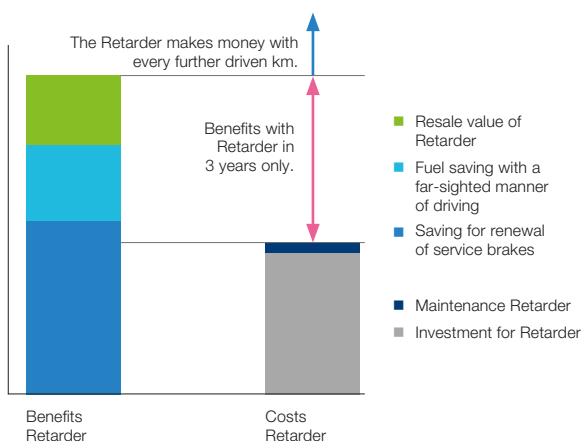
- Service life of service brake is considerably extended
- Experience value in long-distance traffic factor 4 and higher
- Fewer workshop stops
- Protection of drive line

Active retarder utilisation saves fuel and time

- Motivation for anticipatory driving
- Pay-back of Retarder: usually within 1 – 2 years

Total cost of ownership retarder in long-distance haulage

* Calculation example 150 000 km mileage a year and a service life of 3 years



Result:

Savings with Retarder are twice as much than the investment and maintenance costs for the retarder.

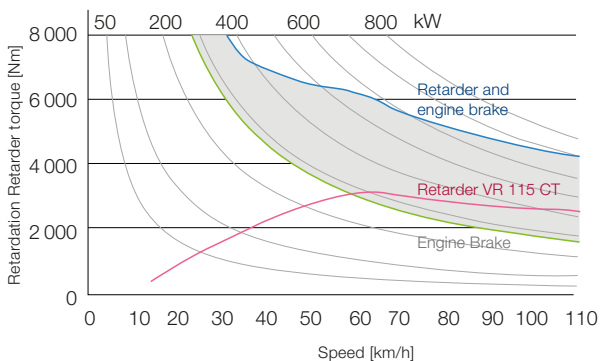
*) The sample calculation is based on Western European specifications.

Safety

This means your customers do not have to get into lower gear to ensure braking power.

- High braking power across the entire speed range
- Effective adaptation braking at maximum speed without gear-change
- Safety reserves thanks to cold service brakes

Braking performance VR 115 CT, Example



Eco-friendly

Voith Retarders have a substantial share in preserving the environment.

- Up to 80 % less brake dust emissions (depending on application and topography)
- Saving fuel possible through anticipatory driving, i.e. saving of approx. 0.33 liters of diesel per 100 km and/or 0.87 kg less CO₂ emissions

Comfort

In this way, your customers can be relaxed even in difficult conditions.

- Reduced activation of brake foot pedal
- Noticeably fewer gear-shifting operations
- Stress-free driving
- Smooth braking operations



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Technical data:

Step-up ratio	i = 2.0
max. rated braking torque	3 200 Nm
Maximum speed at the propshaft	2 650 rpm
Standard operation	5-stage hand-brake switch stage 1 v-constant (downhill cruise control) option: foot control
Operation medium	oil (see fuel specification)
Fill rate (Oil change)	6.8 l
Control medium	compressed air
Unit weight	approx. 48 kg (incl. heat exchanger without operating medium)
Nominal voltage	24 V
CAN-Bus-specific electronic control system	VERA

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