

# VOITH

Arrive Promptly  
and Safely.

Voith Retarder 3250



# Increase Transport Performance Safely with Voith Retarders.

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



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Voith Retarder 3250 for Renault Trucks



## Braking Effect Voith Retarder 3250

### Maximum braking torque

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Max. braking torque on propshaft	3 250 Nm
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Max. braking torque at 750 rpm	3 000 Nm
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Max. braking torque at 500 rpm	2 000 Nm
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### Maximum braking effect with VR 3250 + engine brake

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Motor	Max. braking force
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DTI 11 VR 3250 & Optibrake	1 024 HP / 753 kW
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DTI 13 VR 3250 & Optibrake +	1 075 HP / 864 kW
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# Economy

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

## **Active retarder utilisation saves fuel and time**

- Motivation to drive with foresight
- Pay-back of retarder: usually within 1–2 years

## **Reduction of vehicle operating cost**

- Service life of service brake is considerably extended
- Fewer workshop stops
- Protection of drive line

## **Advantages for vehicle resale**

- Retained value of retarder up to 2 000 €
- Increased demand for retarder-fitted vehicles in the used vehicle market

# 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

**No braking power interruption**

**Safety reserves thanks to cold service brakes**



# Comfort

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

**Noticeably fewer gear-shifting operations**

**Stress-free driving**

**Smooth braking operations**

**Combined drive/braking tempomat**

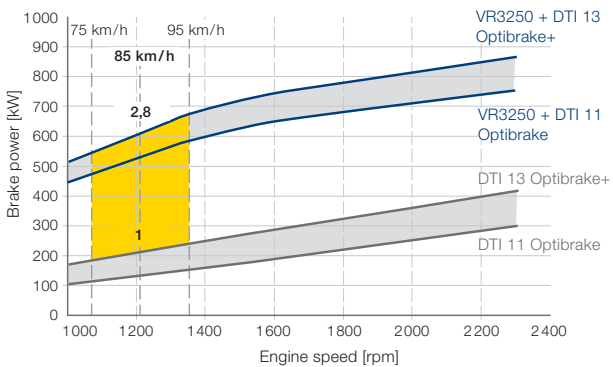
- Tempomat function on level roads, ascends and descends



# The Ideal Combination

## Retarder and engine brake

### Brake power



■ The combination of Retarder and engine brake nearly triples the vehicle's braking power

#### Example Renault Trucks

iHa: 2.64

Tires: 315/70R22.5

Optidriver AT2412D

Display of curves in simplified mode

### Conclusion:

Active safety and convenient driving within an engine speed range between 1 100 rpm und 1 300 rpm

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**VOITH**  
Engineered Reliability