

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.



Voith Retarder 3250 for Volvo Trucks

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

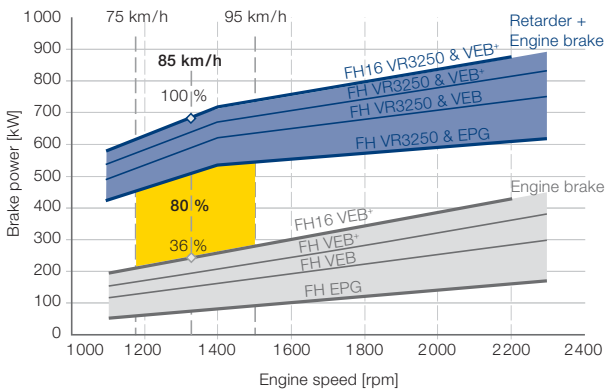
- Tempomat function on level roads, ascends and descends



The Ideal Combination

Retarder and engine brake

Brake power



■ 80% of brakings are in this range

Example Volvo FH

iHa: 3.1

Tires: 315/80R22.5

Engine speed rpm: 1 100 ... 2 300

Display of curves in simplified mode

Conclusion:

Active safety and convenient driving within an engine speed range between 1 200 rpm and 1 500 rpm.



Source: Volvo

Braking Effect Voith Retarder 3250

Maximum braking torque

Max. braking torque on propshaft	3 250 Nm
Max. braking torque at 750 rpm	3 000 Nm
Max. braking torque at 500 rpm	2 000 Nm

Maximum braking effect with Volvo Retarder

Motor	EPG + VR 3250	VEB + VR 3250	VEB ⁺ + VR 3250
	HP/kW	HP/kW	HP/kW
D9B	734/540	957/704	–
D13A	829/610	1 006/740	1 100/809
D13B	843/620	–	1 060/780
D16E	911/670	–	1 176/865

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VOITH
Engineered Reliability