

FACT SHEET

TRANSMISSION APPLICATION



TRAP-BAS

Transmission application

For I-Shift gearboxes, there are two transmission applications to choose from: a standard gearbox application (TRAP-BAS) and a reinforced gearbox application (TRAP-HD). The selection depends on the specific road conditions and terrain.

Sales variants

TRAP-BAS Basic gearbox application

TRAP-HD Reinforced gearbox application

TRAP-BAS

TRAP-BAS serves as the base selection and is suitable for all transport scenarios where less than 5% of the driving occurs within the low gear range.

TRAP-HD

The reinforced gearbox application TRAP-HD is suitable for operations where more than 5% of the driving is within the low gear range. Also, TRAP-HD is suitable for vehicles with a high or very high level of speed changes and/or gear changes.

While the exact design of the reinforcement details differs between different gearboxes, it typically implies that the gear shift system is reinforced. The reinforcements concern the split synchronizer and the dog clutches of the main gear.

For the following models or trucks, TRAP-HD is standard:

- Volvo FH16
- Trucks with I-Shift gearbox ATO3112 or ATO3512
- Trucks with I-Shift gearbox with crawler gears (ASO-C or ASO-ULC*)

For the I-Shift gearboxes AT2612, AT2812 (direct drive), and ATO2612 (overdrive), TRAP-HD is optional. In addition to a reinforced gear shift system, TRAP-HD will provide the direct drive gearboxes with the same lubrication as an overdrive gearbox. Thanks to these improvements, the Volvo FM and Volvo FMX with I-Shift AT2612 and ATO2612 are made available for usage in very rough road conditions (RC-VROUG*) and/or in very hilly topography (T-VHILLY*).

* For more information, see the respective fact sheet.



TRAP-HD



PRODUCTIVITY

- Optimises the usage of the truck.

Usage of TRAP-HD for I-Shift

Topography	Road condition		
	RC-VROUG ¹	RC-ROUGH	RC-SMOOT
T-FLAT	●	○	○
T-PFLAT	●	○	○
T-HILLY	●	○	○
T-VHILLY ²	●	●	●

● Mandatory, ○ Optional

¹ Volvo FH16 has a very limited offer for topography Very hilly (T-VHILLY).

² Volvo FH and Volvo FH16 are not available for road condition Very rough (RC-VROUG)