



# ZF-ECOLITE®



## S 5-42 - 5-speed synchromesh transmission for small commercial vehicles



ZF Ecolite is a product range covering five-speed transmissions for small commercial vehicles and six-speed transmissions for commercial vehicles of the lower middle class.

The five-speed series is designed for a performance range from 50 to approx. 120 kW. It comprises the 5 S 200 and S 5-42 models.

### *Special features*

- **High power-to-weight ratio** due to compact design and use of light alloy housings

- **Easy to shift** thanks to tried-and-tested ZF shift elements

- **A selection of ratio ranges** with optimum gear steps

- **Universal installation** for trucks and buses

- **Control**

- Turning shaft or shift lever control.

ZF-Ecolite transmission S 5-42 available **with or without integrated clutch bell**

### *ZF Auxiliary units*

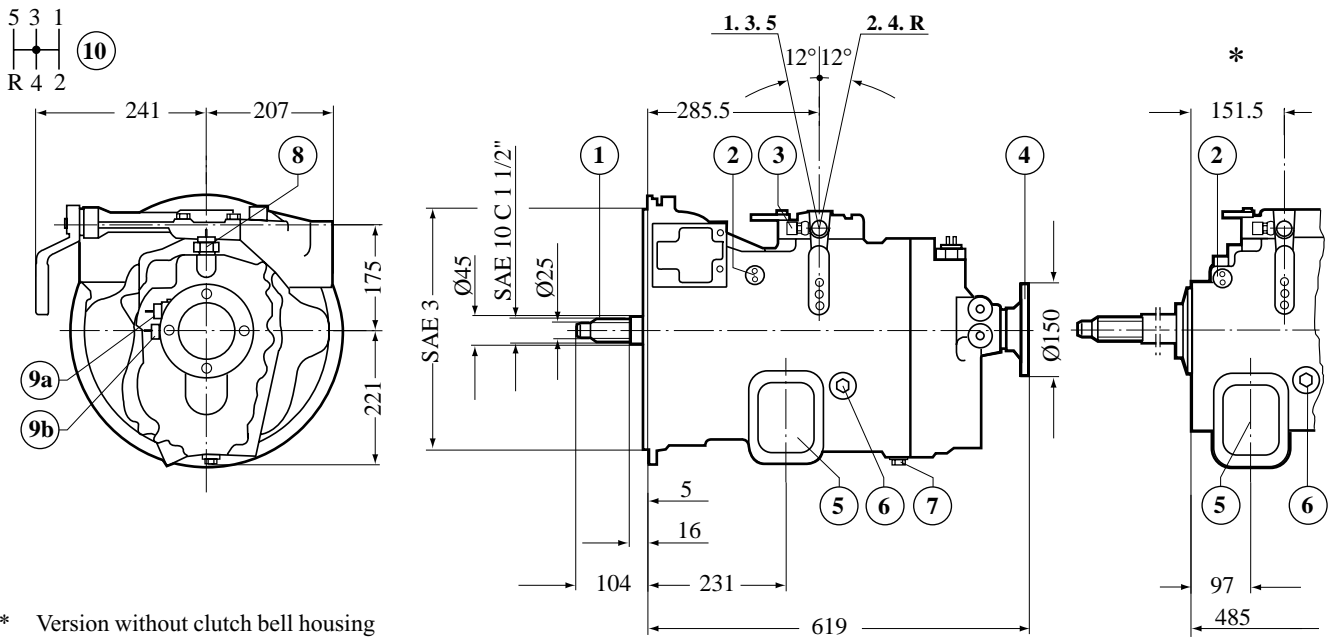
- **Clutch-dependent PTO (NS 42/2)** for side mounting (RH and/or LH)

- **Clutch bell housing** sizes 2 and 3 to ISO/SAE standards with separate assembly, size 3 with integrated bell housing

## Technical data

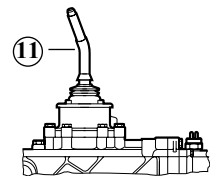
<b>Transmission type</b>		<b>S 5-42</b>	
<b>Input torque max. Nm</b> (Reference value: depending on vehicle data and application conditions)		600	580
<b>Standard ratios</b>	Gear 1	4.65	5.72
	2	2.60	2.94
	3	1.53	1.61
	4	1.00	1.00
	5	0.77	0.76
	R	4.35	5.24
<b>Weight without auxiliaries</b>	≈ kg	75 (67*)	
<b>Oil capacity for standard installation</b>	≈ dm <sup>3</sup>	3.2	
<b>Oil grade</b> as per ZF List of Lubricants TE-ML 02			
<b>Installation</b> vertical			
<b>Control</b> Turning with RH or LH output or optionally, shift lever control			

## Installation dimensions



### Key to drawing

- |   |   |
|---|---|
| ① Input shaft   | ⑦ Oil drain   |
| ② "Reverse gear" signal transmitter (overdrive version) | ⑧ "Neutral" signal transmitter                                      |
| ③ Breather  | ⑨ Speedometer connection (optional)<br>a mechanical<br>b electronic |
| ④ Output  | ⑩ Shift pattern / Overdrive   |
| ⑤ Connection point for side-mounted ZF PTO              | ⑪ Central shift lever control                                       |
| ⑥ Oil fill and overflow check                           |   |



Subject to technical change without notice. For installation investigation purpose, please request installation drawings; only the data contained therein is binding.

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