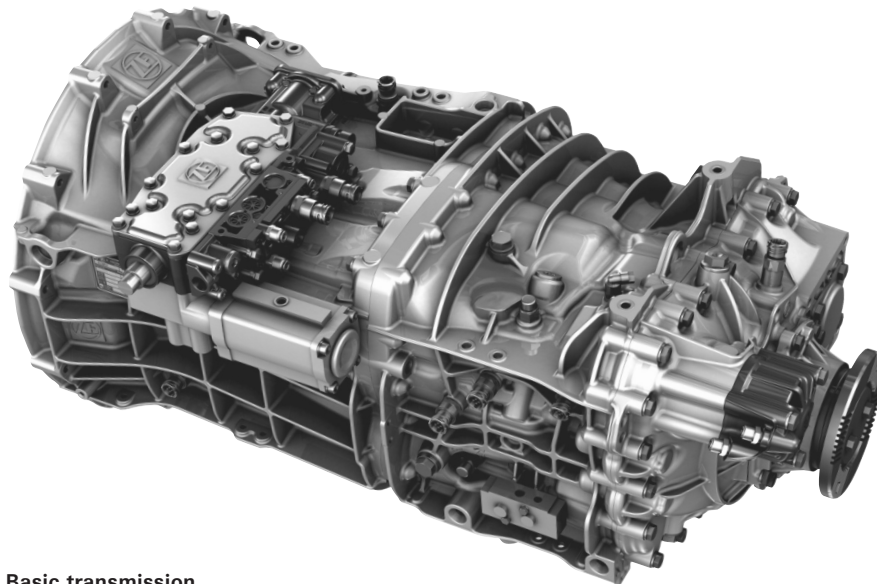


16 S 1830 TO ZF-Ecosplit (Truck)

Synchromesh transmission for heavy trucks



- 16 S 1830 TO - Basic transmission
- 16 S 1831 TO - Transmission with Intarder
- 16 S 1833 TO - Transmission designed for 100% coasting torque
- 16 S 1835 TO - Transmission with clutch-dependent PTO

SERVOSHIFT is the standard shift system in all transmission versions.

| | |
|---|--|
| Transmission type | 16 S 1830 TO |
| Input torque | max. 1850 Nm |
| Weight without auxiliaries | ≈ 284 kg |
| Additional weight for ZF-Intarder | ≈ 70 kg |
| Oil capacity for standard installation | ≈ 13.4 dm ³ |
| Oil capacity for transmission with ZF-Intarder | ≈ 23.5 dm ³ |
| Oil grade | as specified in ZF List of Lubricants TE-ML 01 or TE-ML 02 |
| Installation | horizontal left, with integrated clutch bell |

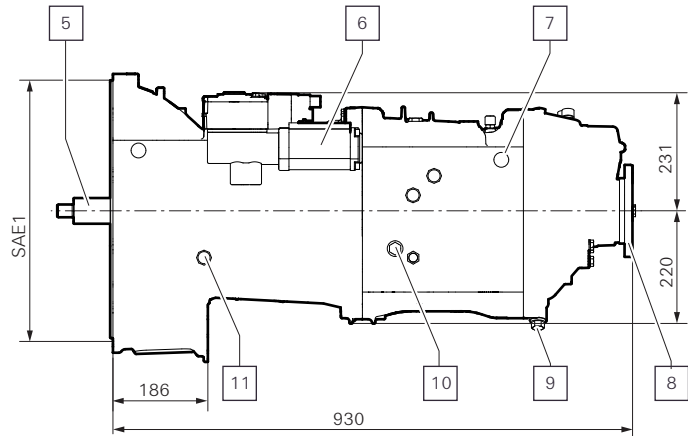
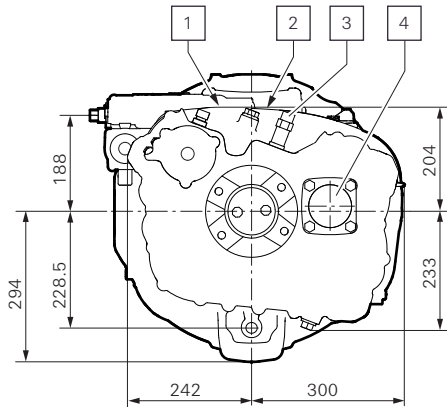
Standard ratios in gears (L = splitter low; H = splitter high)

| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | R | |
|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| L | H | L | H | L | H | L | H | L | H | L | H | L | H | L | H | L | H |
| 13.80 | 11.54 | 9.49 | 7.93 | 6.53 | 5.46 | 4.57 | 3.82 | 3.02 | 2.53 | 2.08 | 1.74 | 1.43 | 1.20 | 1.00 | 0.84 | 12.92 | 10.80 |

→ see also Data Sheet for Intarder: IT_Ecosplit_EN

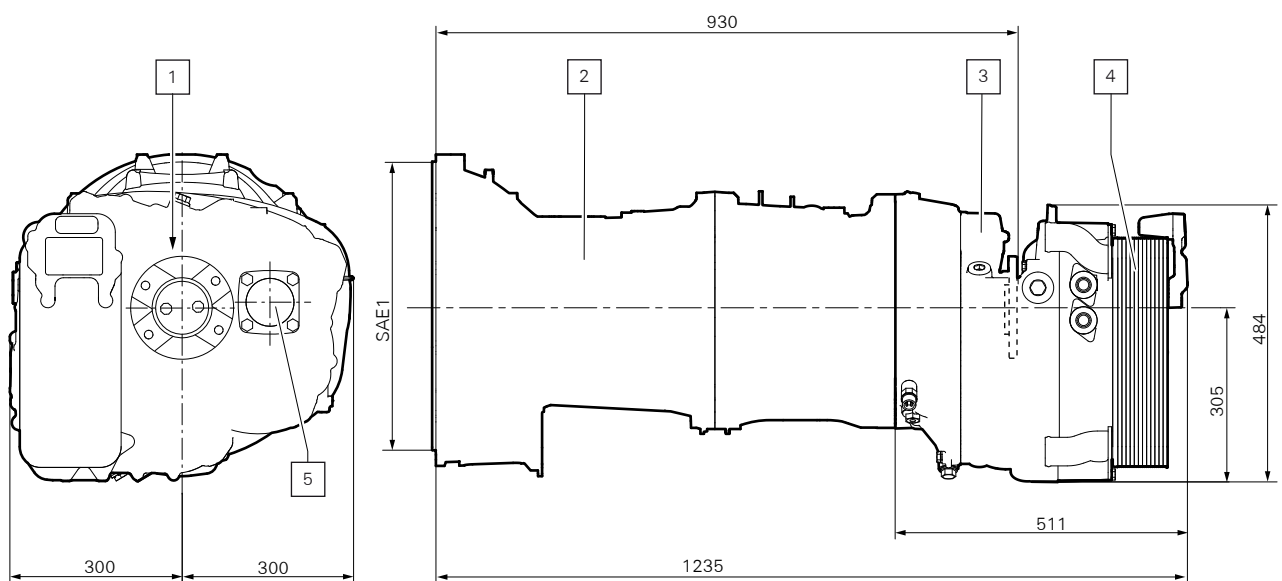
16 S 1830 TO

Installation dimensions



- 1 "Neutral" signal transmitter
- 2 "Reverse gear" signal transmitter
- 3 Speedometer connection, electronic (optional)
- 4 Connection point for clutch-dependent ZF-PTOs
- 5 Input

- 6 Servoshift
- 7 "Range change" signal transmitter
- 8 Output
- 9 Oil drain
- 10 Oil fill and oil overflow check
- 11 "Splitter" signal transmitter



- 1 Option to fit steering pump drive
- 2 ZF-Ecosplit transmission
- 3 ZF-Intarder unit

- 4 Oil/water heat exchanger
- 5 Connection for PTO