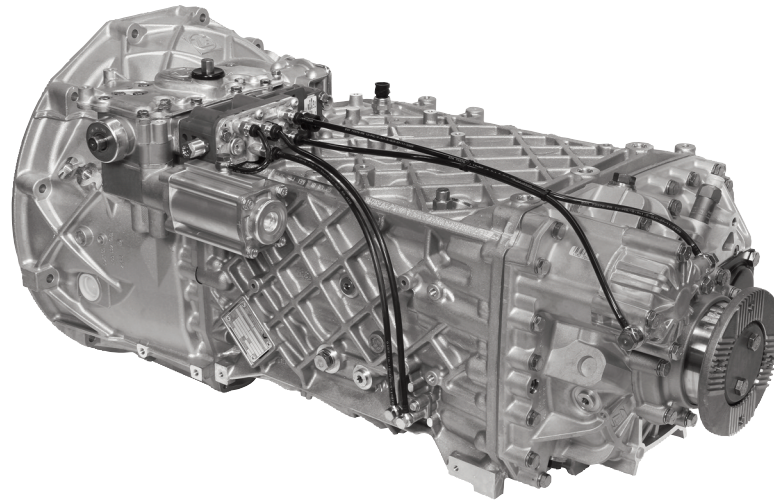


16 S 1620 TD ZF-Ecosplit (Truck)

Synchromesh transmission for heavy trucks



- 16 S 1620 TD - Basic transmission
- 16 S 1621 TD - Transmission with Intarder
- 16 S 1623 TD - Transmission designed for 100% coasting torque
- 16 S 1625 TD - Transmission with clutch-dependent PTO

SERVOSHIFT is the standard shift system in all transmission versions.

| Transmission type | 16 S 1620 TD |
|---|--|
| Input torque | max. 1600 Nm |
| Weight without auxiliaries | ≈ 289 kg |
| Oil capacity for standard installation | ≈ 11 dm ³ |
| Oil grade | as specified in ZF List of Lubricants TE-ML 01 and/or TE-ML 02 |
| Installation | horizontal left, with integrated clutch bell |
| Additional weight for ZF-Intarder | ≈ 69 kg |
| Additional oil quantity for ZF-Intarder | ≈ 8 dm ³ |

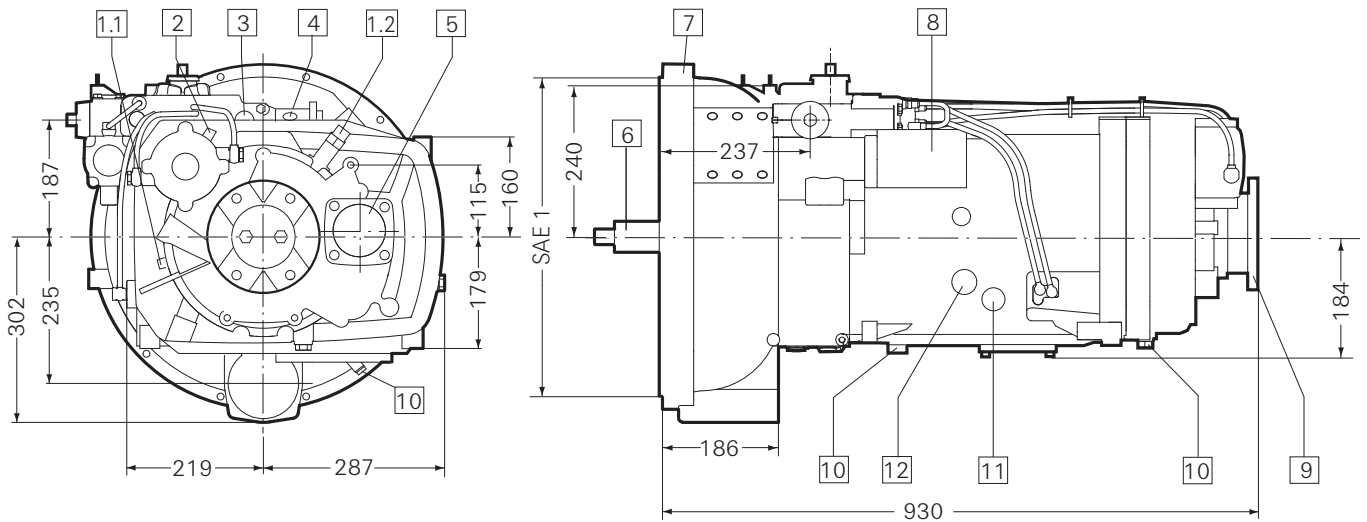
Standard ratios in gears (L = splitter low; H = splitter high)

| 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 |
| 16.41 | 13.80 | 11.28 | 9.49 | 7.76 | 6.53 | 5.43 | 4.57 | 3.59 | 3.02 | 2.47 | 2.08 | 1.70 | 1.43 | 1.19 | 1.00 | 15.36 | 12.92 |

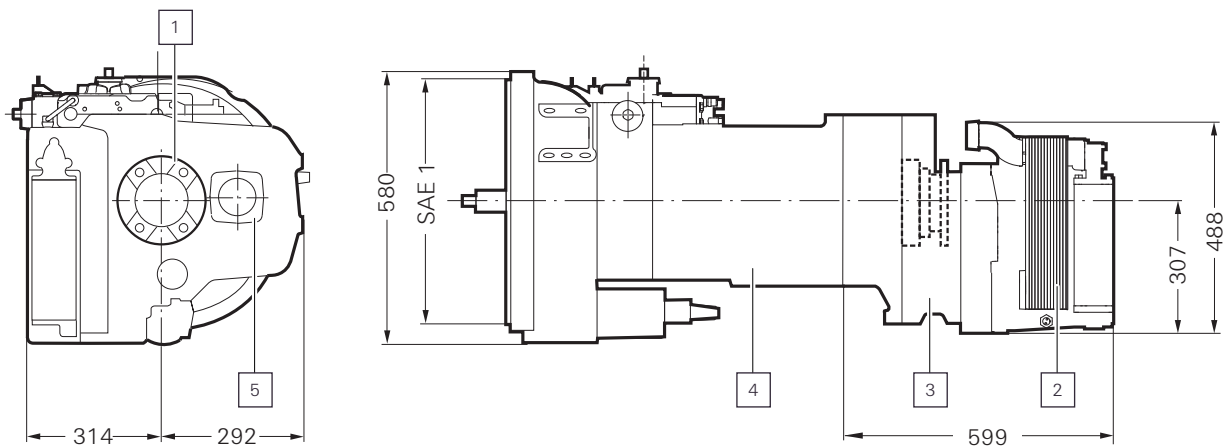
➔ see also Data Sheet for Intarder: IT_NewEcosplit_EN

16 S 1620 TD

Installation dimensions



- | | |
|---|------------------------------------|
| 1 Speedometer connection, electronic (optional) | 7 Integrated clutch bell |
| 2 "Range change" signal transmitter | 8 Servoshift |
| 3 "Neutral" signal transmitter | 9 Output |
| 4 "Reverse gear" signal transmitter | 10 Oil drain |
| 5 Connection point for clutch-dependent ZF-PTOs | 11 "Splitter" signal transmitter |
| 6 Input | 12 Oil fill and oil overflow check |



- | | |
|-------------------------------------|----------------------------|
| 1 Option to fit steering pump drive | 4 Oil/water heat exchanger |
| 2 ZF-Ecosplit transmission | 5 Connection for PTO |
| 3 ZF-Intarder unit | |