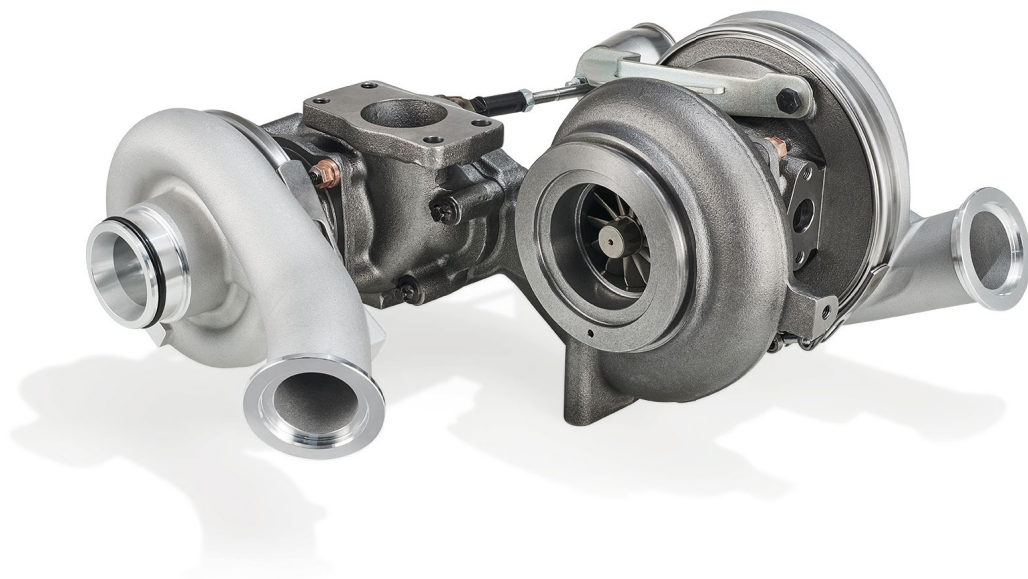


# Turbocharger 228 TC 19273 000



## Seamless power delivery

Turbocharged diesel engines combine high torque with low fuel consumption and low emissions. The first twin turbocharger in the MAHLE product range offers yet another advantage: thanks to its two-stage controlled turbocharging, it continuously delivers powerful propulsion in every speed range in MAN trucks from the TGL and TGM series, among others.

In the MAHLE biturbo, a large low-pressure turbocharger and a small high-pressure turbocharger with bypass valve are connected in series. At low engine speeds, the bypass valve is closed and only the high-pressure turbocharger is active. As the rotational speed increases, more and more of the exhaust gas flow is directed via the bypass into the low-pressure side. In order to ensure seamless power delivery and to prevent dips in boost pressure (turbo lag), the turbochargers are designed and coordinated so that both turbochargers are always active during operation.

## Even better performance

MAHLE commercial vehicle turbochargers are designed for high mileage. They deliver uncompromising quality and boast an attractive price-performance ratio. Our range of commercial vehicle turbochargers includes top-selling turbochargers for Volvo, DAF, and MAN engines.

Our turbochargers for three exceptionally popular engines:

- 038 TC 18618 000 for Volvo D13A and D13C
- 213 TC 19652 000 for DAF MX 300 and MX 340
- 228 TC 17808 000 for MAN D2066 LF

## The right fit

In Europe, the Near East, and Africa, the MAHLE turbocharger 228 TC 19273 000 is used in around 125,000 vehicles, such as in MAN D0836 LFL engines, which are installed in MAN trucks for distribution transport in the TGL I/II and TGM I/II series.

*Please note: This product is not available in Turkey.*