

Alternators

Suitable for: trucks and buses

Art. no.:
replaces Multibrand



www.dt-spareparts.com

Alternators provide the necessary power to the automotive electrical system for all operating conditions occurring during the driving operation.

This also ensures that the starter battery, as an energy store, is always sufficiently charged. The charge limitation of the battery must always be so adjusted to the practical operating conditions of the vehicle that at least as much energy is produced as all consumers can use at the same time.

Initially, Alternators produce alternating current which, because of the electrical storage, must first be converted to direct current.

The armatures are made of magnetisable quality steel with narrow gap dimensions between the rotor and the stator and ensure maximum performance. The rotor is balanced to achieve quiet running and low wear on the ball bearings.

The voltage regulators are equipped with quality carbon brushes. These ensure long, trouble-free operation.

The material of the rectifier is particularly temperature-resistant. The insulation is designed for temperatures up to 240 °C.

The stator consists of magnetisable special steel and precisely calculated coils, which are equipped with a temperature-resistant electrically non-conducting insulation.

The rectification of the alternating current by over-voltage rectifier diodes ensures a long-term operation, even at maximum performance and with high voltage fluctuations in the automotive electrical system.

DT® Spare Parts alternators contain performance bearings from Europe and Japan for a long service life.

Construction of Alternators using the example of DT No. 2.21040

1. Ball bearings
2. Fan impeller
3. Stator with coil
4. Rotor with coil
5. Rectifier
6. Voltage regulator



Video

DT Spare Parts

The brand DT Spare Parts from Germany provides a complete range of vehicle parts and accessories with a 24 month guarantee – no matter whether for trucks, trailers, buses, transporters or further applications, e.g. cars, agricultural vehicles, construction vehicles, marine or industrial applications. The guaranteed brand quality is achieved through the consistent product optimisation and relentless quality assurance within the framework of the Diesel Technic Quality System (DTQS).

More info: www.dtqs.de