DRIVEN BY POSSIBILITY™

MICRO-V® OVERRUNNING ALTERNATOR PULLEY

OPTIMISING DRIVE EFFICIENCY

Overrunning alternator pulleys (OAP) play vital roles inside accessory belt drive systems (ABDS). Every time the engine decelerates, for example during gear changing or engine shutdown, the alternator's inertia creates resistance against the belt. OAPs **allow the alternator to "free-wheel" or "overrun"** when the belt suddenly slows down. This **prevents the belt from slipping and reduces vibration, wear and chirp noises**. Gates offers a line of Micro-V® overrunning alternator pulleys for a smooth running accessory belt drive system. In addition, Gates offers Micro-V® kits holding all components necessary for a complete overhaul of the system – also kits with matching overrunning alternator pulleys.

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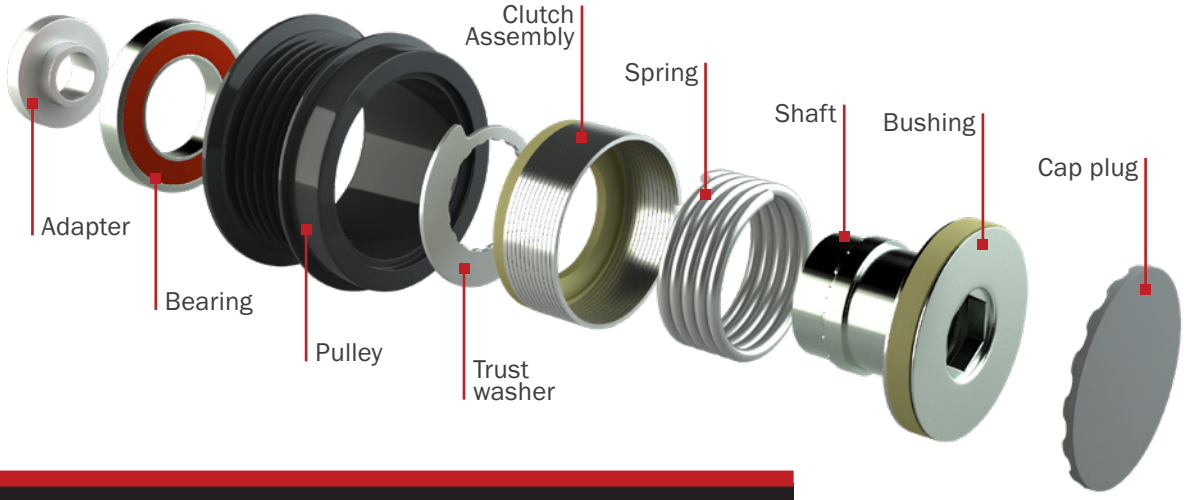
A CONSOLIDATED AND FUTURE PROOF RANGE OF OAP AND OAD

Gates offers a range of **OE-quality Micro-V® overrunning alternator pulleys** that covers all major models in the market and follows the latest trends in car manufacturing. In search of improved engine efficiency, car manufacturers are also turning more frequently to overrunning alternator decouplers (OAD). The OAD or 'two-way-clutch' rotates freely in one direction like the OAP and offers limited spring-like movement in the other direction, a mechanism required to absorb vibration caused by reduced belt tension. Both **OAP and OAD are consolidated in the Gates Micro-V® OAP range**, together **with the necessary removal and installation tools**. Consult our online catalogue **gatesautocat.com** to find the OE-quality overrunning alternator pulley or Micro-V® kit that fits your application perfectly.

CONSTRUCTION FEATURES

- Pulley with appropriate multi-ribbed belt profile
- Internal overrunning clutch unit with double bearing support
- Protective cover
- In case a patented internal application-specific torsion spring is incorporated, it's called an overrunning alternator decoupler (OAD)



BENEFITS

- Absorbs vibrations and fluctuations
- Allows the use of alternators with increased power output
- Reduces the influence of the alternator mass on the belt drive
- Decreases wear and tear on all belt drive components
- Eliminates belt slip and therefore noise
- Increases the life span of all accessory belt drive components
- Contributes towards the reduction of fuel consumption and therefore CO_2 emissions