



**MOST ASIAN MODELS
ALSO COVERED**

OVERRUNNING ALTERNATOR PULLEYS PLAY A CENTRAL ROLE
THE KEY FUNCTION IN THE BELT DRIVE.

Success factor: perfect functioning.

Quality you can rely on: reliability is indispensable for all belt drive components. In this complex system, smooth running without any vibrations is of great importance. This is where the overrunning alternator pulley comes in. Perfectly functioning overrunning alternator pulleys minimise oscillations with huge increases in the service life of the drive belt.

Your advantages with RUVILLE's overrunning alternator pulleys:

- Extensive market and model coverage
- Most Asian vehicles also covered
- OE quality

Made for high performance.

The extreme demands in the belt drive demand accurate and safe handling. RUVILLE's overrunning alternator pulleys are therefore meticulously manufactured high-performance parts that comply fully with the OE requirements.

Positive effects on the belt:

- The belt does not slip
- The belt does not wobble or make noises
- Premature belt failure is prevented

RUVILLE offers you proven solutions for different engines:

- OAP: the overrunning pulley
- OAD: the alternator decoupler
- Overrunning pulley with flexible coupling sleeve

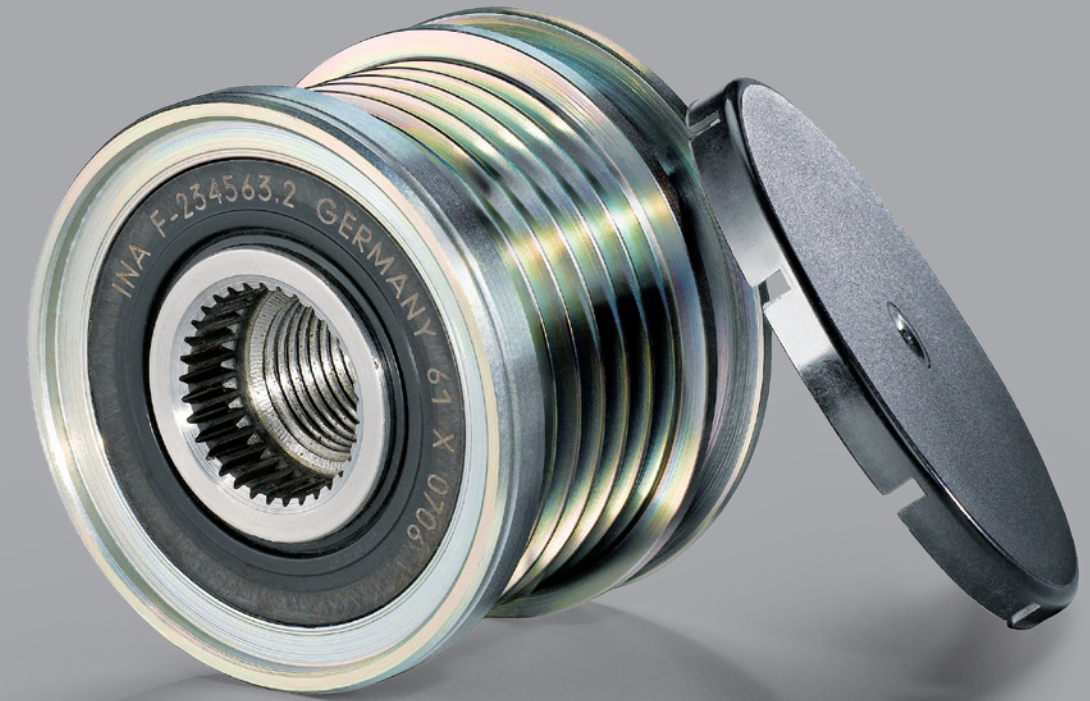
Convincing results with RUVILLE's overrunning alternator pulleys:

- Reduced impact from the alternator on the whole belt drive
- Longer service life for the drive belt
- Attenuated belt oscillations, reduced tension forces and strokes
- Longer service life for the whole belt drive system
- Reduced noise levels



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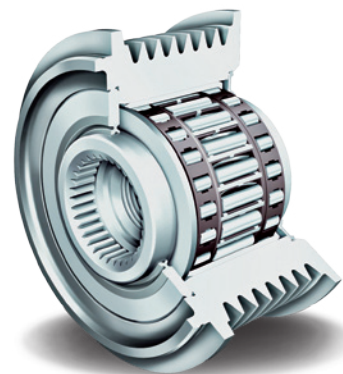
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OVERRUNNING ALTERNATOR PULLEYS
**SMOOTH RUNNING
FOR A LONG LIFE.**



OAP OVERRUNNING PULLEY.



The OAP essentially isolates rotational irregularity at the crankshaft to minimise oscillation and vibration in the auxiliary drive. To this end, the OAP works with a combination of precisely engineered roller bearings and spring-loaded needle bearings to guarantee the overrunning and blocking function. They are used in engines made by European and Asian vehicle manufacturers.

Design principle:

- Pulley with poly-V profile on the outer diameter for use of the ribbed V-belt
- Overrunning unit with dual bearings
- One inner ring
- Two gaskets
- Snap-on front end cap to protect from water and dirt

RUVILLE guarantees highest precision for a long service life.

OAD ALTERNATOR DECOUPLER.



This type of overrunning alternator pulley is also used in engines made by European and Asian vehicle manufacturers to minimise the undesirable effects of rotational irregularity at the crankshaft. In this case, the OAD has an integrated torsion spring and a coupling package. The torsion spring ensures that the drive units start up smoothly, while the coupling package performs the decoupling function.

Design principle:

- Coupling package
- Torsion spring
- Ball bearing
- Plain bearing
- Front end cap to protect from water and dirt

RUVILLE guarantees highest precision for a long service life.

OVERRUNNING PULLEY WITH FLEXIBLE COUPLING SLEEVE.



This version of the overrunning alternator pulley combines the OAP or OAD with a flexible coupling. It is used among others in systems by VW and Volvo.

In this overrunning pulley solution, a drive wheel is firmly connected to an output shaft on the engine, with the coupling sleeve fitted directly on the drive wheel. The overrunning pulley is fastened to the unit being driven so that it can be fitted directly in the coupling sleeve.

Design principle:

- Same construction as OAP or OAD
- Coupling sleeve
- Drive wheel on engine

All versions of RUVILLE's overrunning alternator pulley with flexible coupling sleeve fulfil the strictest demands.

OVERRUNNING ALTERNATOR PULLEYS IN OE QUALITY.



All versions of the overrunning alternator pulleys fulfil the strictest standards and comply with the specifications issued by the vehicle manufacturers – so that quality is replaced with quality. After all, we know that these high-performance parts have a special role to play in ensuring that the auxiliary drive will run for a long time while keeping the vehicle ready to operate.

You can rely on the highest precision and perfect material properties in each of our overrunning alternator pulley versions. German engineering, meticulous production and independent test processes guarantee OE quality. This is what RUVILLE stands for, and we are also giving a clear signal of this with our quality seal that can be found on all our packaging.

Long service life for more business:

Most present-day engines have all the vibration-damping elements in one system. If one part succumbs to wear and tear, all other parts suffer too and are more likely to fail. Always therefore replace the whole system in the interests of a long service life, as otherwise it may also be necessary to renew other parts later on.

Additional information KWSD:

Interaction with the crankshaft damper (KWSD) also minimises noise and oscillations in the auxiliary drive: the crankshaft damper acts as a flexible connection between the crankshaft and the auxiliary drive, thus further reducing unwanted oscillation and vibration. **RUVILLE's KWSD kit** therefore also includes the corresponding overrunning alternator pulley.

You miss the overview of the full range of overrunning alternator pulleys with the corresponding OE numbers?

The overview can be downloaded from our website:
www.ruville.de under -> Service -> Downloads -> Catalogues -> Passenger cars -> Overrunning alternator pulley: Download PDF

Or contact us by e-mail so that we can send you the overview:
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