Overrunning Alternator Pulleys
Smooth Running For A Long Life.
Schaeffler Automotive Aftermarket –强品牌。

每当车辆需要进厂检修时，施法乐汽车售后市场的产品和维修解决方案通常是首选。

背靠Luk、INA、FAG和Ruville四大品牌，该业务部门负责施法乐的全球售后汽车业务。无论是汽车、厢式车、卡车、公共汽车还是拖拉机，施法乐汽车售后市场都能利用数十年的独立售后市场经验，提供符合各种需求的定制化解决方案。所有产品和维修解决方案均体现施法乐汽车售后市场对技术卓越和卓越品质的追求。

我们的关注点也始终在于制造出适合每一类车型的领先产品系列。由于创新技术、日益增多的新车型以及车辆组件和服务工作日益复杂化，汽车专业人士面临着各种具有挑战性的维修情况。因此，施法乐汽车售后市场的产品组合中包含了专业更换配件所需的一切：从原厂备件到复杂维修解决方案，再到合适的专业工具。

施法乐REXPERT –一站式服务门户

施法乐汽车售后市场正在通过REXPERT推出新的服务维度。无论是需要在线门户、实时技术演示还是培训，所有技术服务都可在同一个地方提供。想要了解最新产品信息、服务信息、安装指南或培训？寻找特定信息或故障诊断？需要特定工具来简化日常工作吗？只需在www.rexpert.com注册免费，只需点击几下。

我们的品牌和产品 –

汽车行业领导者。

背靠Luk、INA、FAG和Ruville，施法乐是一流的滚子轴承和滚动轴承解决方案、线性传动和直驱技术的领先供应商，同时也是汽车行业的精密部件和系统提供商，适用于发动机、传动系统和底盘。

施法乐是一个全球最大的家族企业之一，其业务遍布德国乃至欧洲的生产工厂、研发设施、分销商、工程办公室和培训中心。

施法乐汽车售后市场 –更多的创新，更多的质量，更多的热情。
**Overrunning Alternator Pulley**

**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 over-running 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._

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**Overrunning Alternator Decoupler**

**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 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.

Positive effects on the belt:
- The belt does not slip
- The belt does not wobble or make noises
- Premature belt failure is prevented

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.

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
A tried and tested connection
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.

Built in safety
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:
info@ruville.de