SAFETY THROUGH ORIGINAL QUALITY

THE BELT DRIVE GETS THINGS MOVING.

When dealing with pulleys, make sure you get quality.

The belt drive moves the generator, the power steering pump, the water pump and further auxiliary units. If the typical vibrations of the crankshaft are transferred onto the auxiliary units, it can increase noise levels, cause undue wear of the neighbouring components and result in undesired vibration of the chassis.

Diesel engines in particular experience undesired vibrations, but this is also true of turbo charged petrol engines. To reduce these, vehicle manufacturers increasingly utilise decoupled pulleys. CORTECO offers you a comprehensive portfolio of original pulleys. An elastic rubber-metal composite connects the belt drive with the crankshaft and reduces the vibrations as desired by the vehicle manufacturer.

Pulleys should be checked after approximately 90,000 km and should be replaced together with the belt.

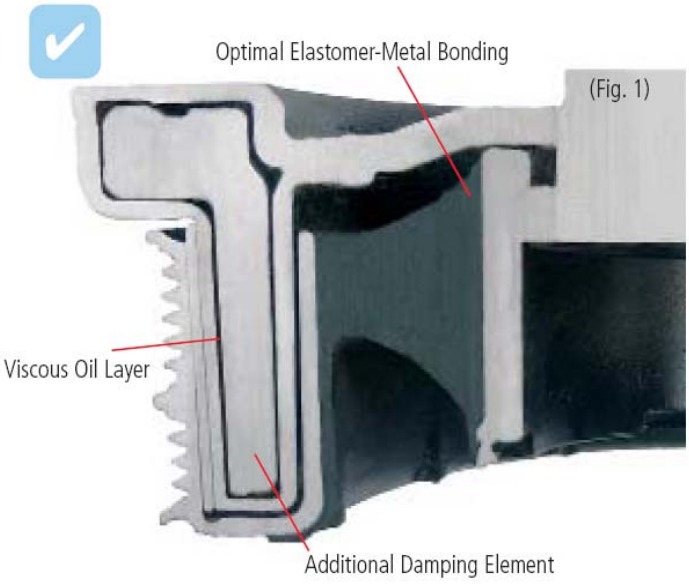
WHAT'S INSIDE IS WHAT COUNTS.

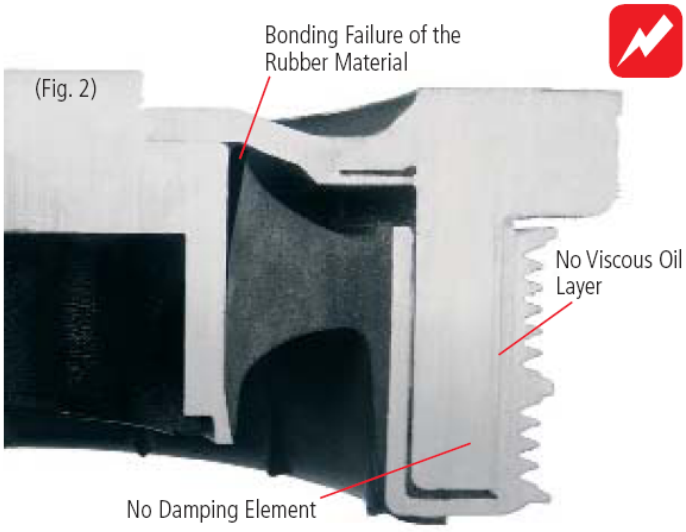
Complex structure ensures highest damping levels.

The optimal combination of the individual components is crucial for safety, comfort and product lifetime. The decoupling element and the damping component play a critical role. A comparison of the two cross section images shows the differences between the CORTECO original pulley and the imitation part.

The **decoupling element** connects the crankshaft with the belt drive via a special elastomer. Optimal rubber-metal bonding and the correct elastomer material are thereby of particular importance. The **damping element** of the CORTECO pulley 80001103 is bedded in viscous oil and provides additional and necessary reduction of vibrations.

The imitation pulley shown (Fig. 2) does not fulfill the original specifications. After its installation, the lack of viscous damping can cause increased engine noise and stronger vibrations resulting in reduced ride comfort. The fact that the imitation part shows insufficient bonding between elastomer and metal is already clearly visible in the unused part. Optimal rubber-metal bonding is required for the basic function of the pulley. If this is missing, total failure of the pulley and, in the worst case, engine damage can be the result.





Safety through the Original Pulley:

- Conservation of value through limited strain on neighbouring components
- Smoother running of the belt drive, increased comfort and safety
- Increased lifetime of belt and pulley
- Satisfied and loyal customers