

EDITION 1/2013

AUTOMOTIVE BRAND NEWS



**READY
SET
GO**



IT'S ALL OPTIBELT

FOUR DIVISIONS TO SUCCEED

OPTIBELT is renowned worldwide for performance and efficiency, passion and precision, progress and sustainability. For more than 140 years, the family business from Hoexter has been designing and developing technologically advanced drive solutions with consistent, high-quality standards. Always with an eye to each customer's specific needs, OPTIBELT offers 24/7 service and is committed to close partnerships with OEMs and MROs around the world.

In 2012, OPTIBELT received itself not only a fresh new corporate design but also 4 defined corporate divisions. Power Transmission, Automotive Technology, Material Handling and Elastomer Solutions combine OPTIBELT's expertise under one roof. Foreman Norbert, mechatronics technician Michael, chief engineer Paul and buyer David each represent one division. In demonstrating the technological competences of their respective fields, they serve as trustworthy testimonials of OPTIBELT's quality and service.

"Maintenance - free."

Norbert, 42, Foreman

"So your car purrs like a kitten."

Michael, 33, Mechatronics Technician

"It's matter of trust."

Paul, 46, Chief Engineer

"Because the quality is the best."

David, 50, Buyer

POWER TRANSMISSION

AUTOMOTIVE TECHNOLOGY

MATERIAL HANDLING

ELASTOMER SOLUTIONS

FROM THE BEETLE TO THE UP!



Even the early VW Beetle had a V-belt from OPTIBELT under its hood. The replacement belt – delivered in series – turned out to be completely unnecessary: Even then, OPTIBELT's original equipment satisfied all needs with its optimal quality.



1950

optibelt FB

As early as 1950, VW already trusted the quality of OPTIBELT products. Running on just two pulleys, the V-belt **optibelt FB** provided the perfect drive.

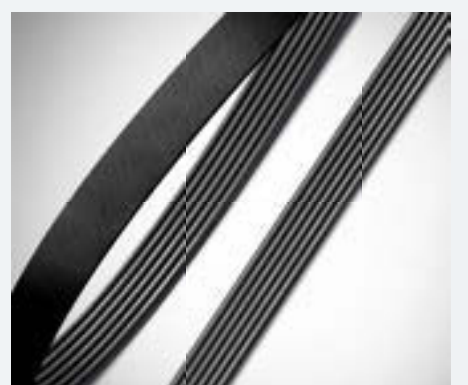


Volkswagen's new minicar up!, the Beetle's legitimate successor, also hit the road with OPTIBELT inside: The elastic V-ribbed belt **optibelt EPK** was specially designed for the up!'s transverse front-mounted engine. The belt offers excellent performance in the most compact of spaces and works with both great energy efficiency and reduced noise properties even under the most extreme of conditions.

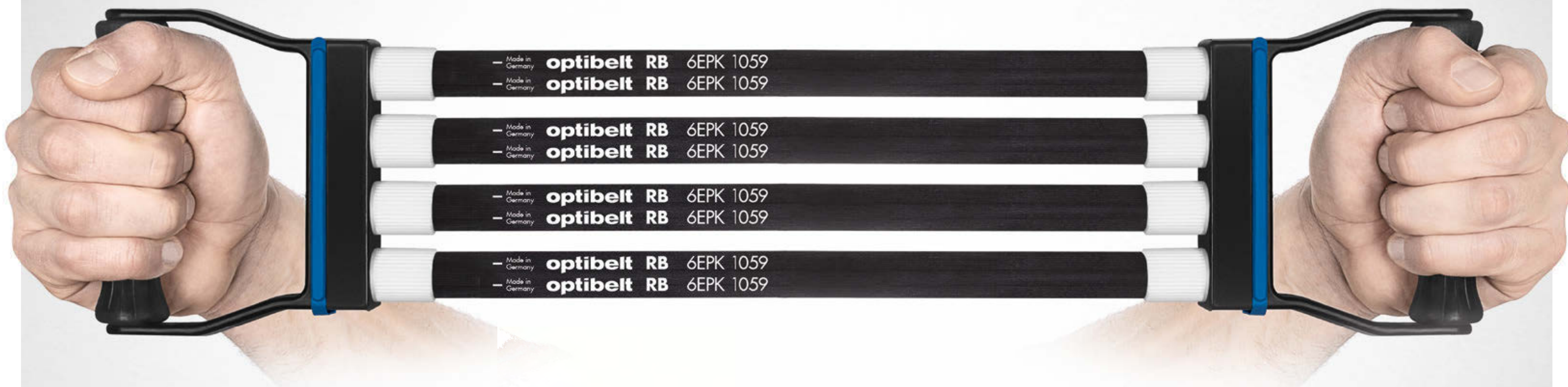
2013

optibelt EPK

With its elastic and shape-retaining design, the V-ribbed belt **optibelt EPK** is the optimal drive solution for the compact VW up!'s unique drive geometry.



FLEXIBLE



THE ELASTIC V-RIBBED BELTS BY OPTIBELT



optibelt **RBK**

Optimal for frictional drives in passenger cars: Elastic V-ribbed belts by OPTIBELT require no extra tensioning devices at comparable mileage. V-ribbed belts are used for medium power ranges and fixed drive centers. The tension is maintained by elastic tension members for the duration of the belt's lifetime. Elastic V-ribbed belts by OPTIBELT save both space and weight and reduce the costs of the drive system.

THE ADVANTAGES OF ELASTIC V-RIBBED BELTS:

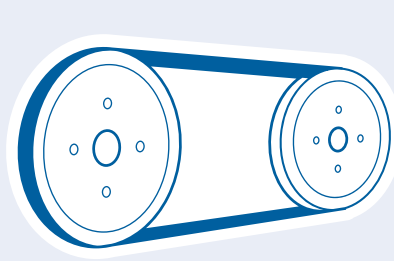
- Lower costs both for original and replacement equipment
- Costly replacement of belt tensioners for maintenance purposes is not necessary
- The elimination of tensioning devices supports the lightweight design development of automobile manufacturers

THE RIGHT TOOL FOR THE JOB

THE MOUNTING TOOL MT-A II FOR SAFE INSTALLATION OF ELASTIC V-RIBBED BELTS. SPECIALIST TOOL FOR FORD, MAZDA AND VOLVO.

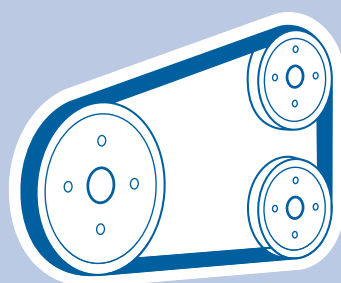
Today, the elastic V-ribbed belt **optibelt EPK** no longer needs a belt tensioner. The mounting tool **optibelt MT-A II** is indispensable for the simple and professional installation of this ancillary drive belt. This easy-to-use tool makes perfect installation simple, prevents overstretching and damage to the belt and is suited for

use with various pulley diameters and types. The robust plastic case also contains detailed instructions and additional accessories. No professional workshop should go without this tool!



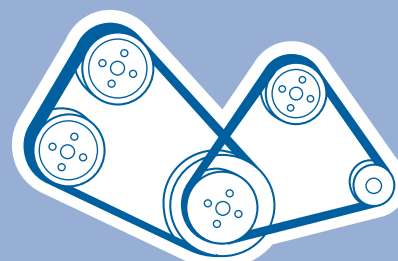
VW BEETLE

The VW Beetle features the simple **optibelt FB** on just two pulleys.



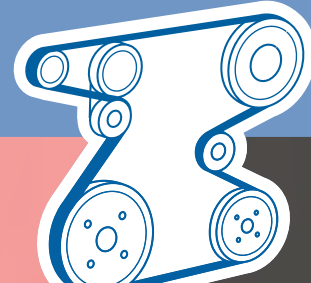
VW GOLF I

In the Golf I, the drive becomes slightly more complex: Here, the V-belt **optibelt FB** runs on three pulleys. The road is paved toward more elaborate drive designs.



VW GOLF II

Things are getting cozier under the hood. More loads mean higher power consumption and result in a smaller pulley diameter for the generator. For improved bending properties, the V-belt now has teeth. Two **optibelt MARATHON I** now drive the ancillary components.



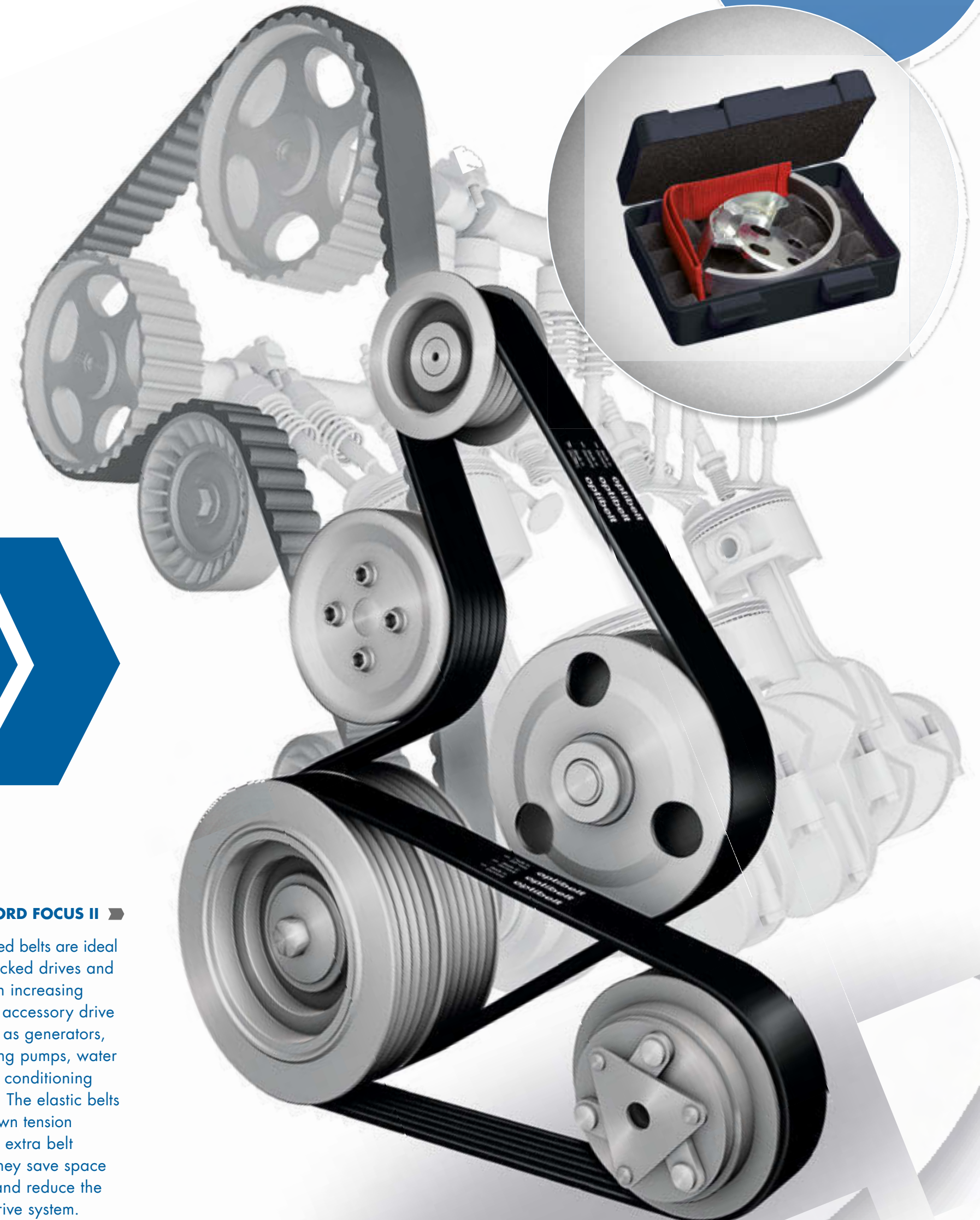
MERCEDES E 190

The engine design is more and more compact. The first elastic V-ribbed belt **optibelt RBK** winds flexibly through the serpentine drive over many pulleys of varying diameter. Here, a tensioner is required for operation.

MOUNTING TOOL **optibelt MT-A II**

For safe mounting of elastic V-ribbed belts. Specialist tool for Ford, Mazda and Volvo.

VIEW ASSEMBLY VIDEO



EXAMPLE FORD FOCUS II

Elastic V-ribbed belts are ideal for friction-locked drives and are used with increasing frequency in accessory drive systems such as generators, power steering pumps, water pumps or air conditioning compressors. The elastic belts retain their own tension and need no extra belt tensioner – they save space and weight and reduce the cost of the drive system.

DEVELOPMENT EXPERTISE IN AUTOMOTIVE TECHNOLOGY

OPTIBELT also ensures smooth drive outside of your car's hood. Our technology is located in many other places: Door openers, headrests and exterior mirrors are electronically powered using, for example, our timing belts. And our elastomer film finds use in ventilation valves. Thanks to OPTIBELT'S expertise in development, we offer the perfect solution for every challenge.

Navigation system

Glove compartment

Accessory drive systems /
Engine control unit

Bending light

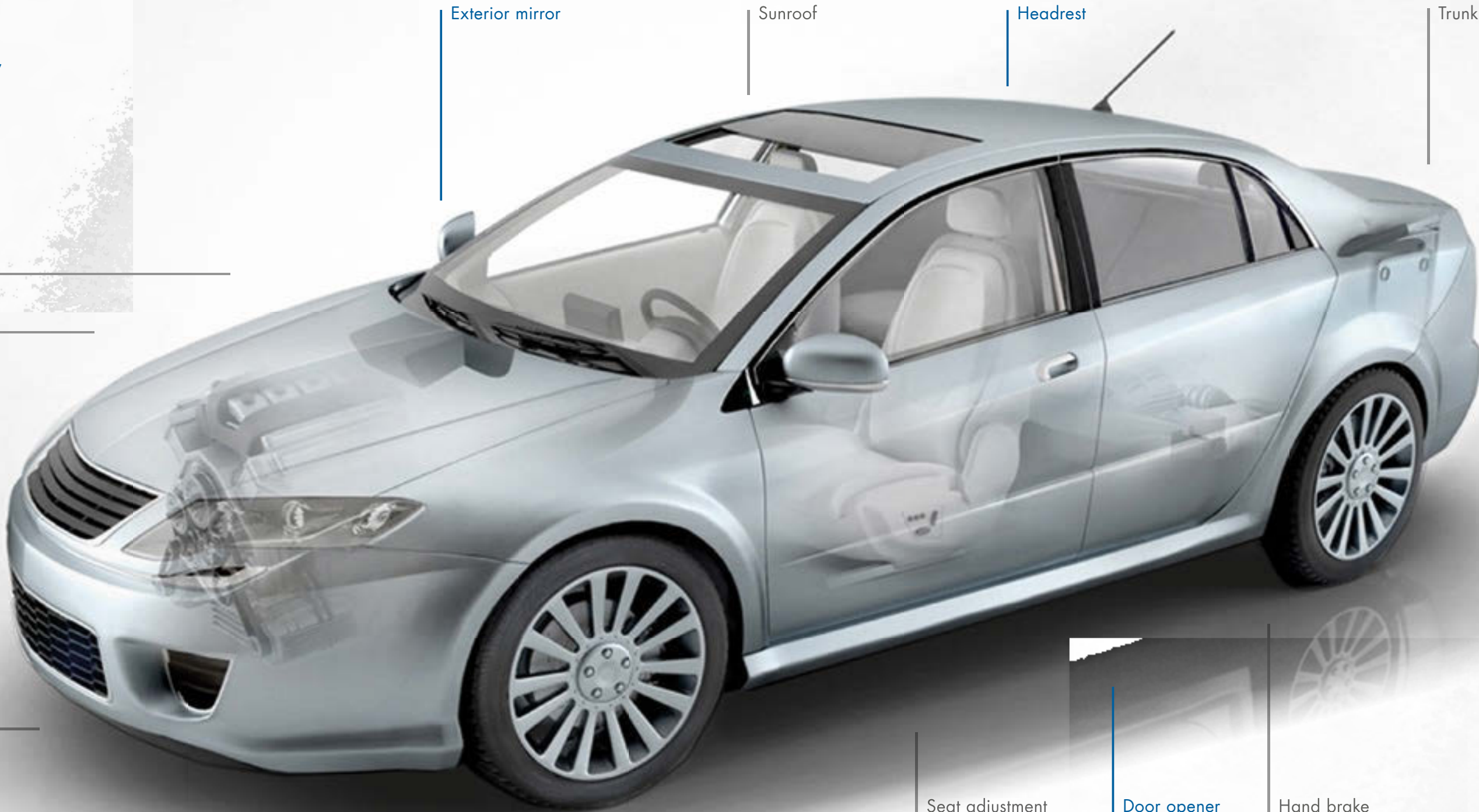
Brake

Exterior mirror

Sunroof

Headrest

Trunk

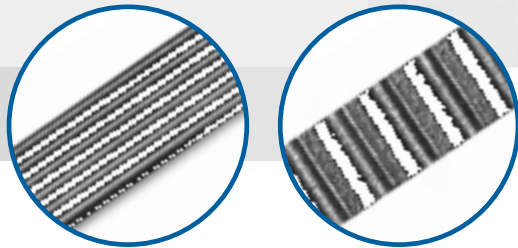


Seat adjustment

Door opener

Hand brake

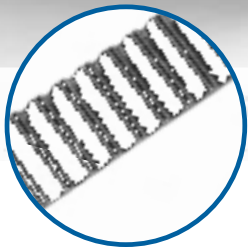
Ventilation valves



ACCESSORY DRIVE COMPONENTS / ENGINE CONTROL UNIT

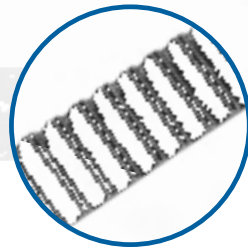
optibelt **RBK**
optibelt **ZRK**

The design of new engines is saving more and more space. This is supported by small pulley diameters and thicknesses. Featuring extraordinary noise reduction and flexibility, the elastic V-ribbed belt **optibelt RBK** drives accessories and the **optibelt ZRK** is responsible for synchronous power transmission in the engine control unit.



EXTERIOR MIRROR optibelt **OMEGA**

Timing belt for the electronic adjustment of exterior mirrors



HEADREST optibelt **OMEGA**

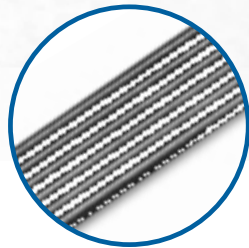
Timing belts for the electronic adjustment of headrests



DOOR OPENER

optibelt **ALPHA** / optibelt **RBK**

Timing belts or V-ribbed belts for automatic door opening and closing systems



VENTILATION VALVES

optibelt **OPTIMIT**

We develop custom elastomer films for leading vehicle manufacturers. They find use in ventilation valves.

GOOOO OPTIBELT



ORIGINAL EQUIPMENT QUALITY BY OPTIBELT

The industry's major players trust OPTIBELT. The world's leading automobile manufacturers place special emphasis on top quality for original equipment. We are famous for our expertise in development, our precision tools and machines are custom-built, our tests unique. At OPTIBELT, our engineers always find the perfect solution for every new drive challenge and thus secure our lead in quality. For these reasons, we are in pole position among OEMs. As a reliable partner in the automobile industry, we look with pride at our constantly increasing number of references.

ŠKODA



POLE POSITION

THE PORSCHÉ CARRERA CUP WITH ORIGINAL BELTS BY OPTIBELT

For over 20 years, the Porsche Carrera Cup has been an integral part of German motorsports. The races take place on courses throughout Germany and at seven other locations worldwide. The regulations stipulate that all participating vehicles must be structurally identical. The sports car of choice is the special edition model Porsche 911 GT3 Cup with a 3.8 liter six-cylinder boxer engine, 450 HP and a top speed of 8,500 1/min. The custom-designed V-ribbed belt **optibelt RBK** is responsible for the top performance and optimal speed ratio in this automotive powerhouse.



THE GIANT

XXL KRAFTBAND FOR THE BIG JOBS



The engine of this massive utility vehicle features the double ribbed kraftband **optibelt TRUCK POWER KBX**. Thanks to its high power transmission capacity despite small pulley diameters, it saves both space and weight. With its low stretch polyester cord, the kraftband is maintenance-free and highly efficient. The **optibelt TRUCK POWER KBX** kraftband shines even when in conjunction with critical drive designs and under extreme conditions, such as high engine speed, great speed ratios with long center distances, severe shock loads and strong vibration. The tear-resistant top surface with transverse rigidity affords very smooth running. **optibelt TRUCK POWER KBX** is available in the profiles AVX 10, AVX 13 and XPB.



NO MORE COMPROMISES

THE OPTIBELT REPAIR KIT FOR MAXIMUM SAFETY

ALL YOUR ADVANTAGES AT A SINGLE GLANCE!

All parts in one repair kit – available with or without water pump

In tried and trusted OEM quality

Functional packaging

For all standard cars

Only those who do not compromise on replacement parts are able to offer their customers optimum safety and a perfectly functioning drive system. Professional workshops worldwide play it safe and trust the precision of OPTIBELT. Our water pump kit consists of perfectly matched components. To maximize your financial and safety advantage, we recommend replacing all parts simultaneously in a single pass:

- the vehicle-specific **optibelt ZRK** timing belt
- the fitting tensioning and guide idler pulleys
- the necessary attachment parts
- the appropriate water pump

The **optibelt REPAIR KIT** also saves you time and money as inconvenient ordering of individual parts is not necessary.



optibelt ZRK timing belt

Water pump

Tensioning and guide idler pulleys

PERFECTLY EQUIPPED



SALES PROMOTION BY OPTIBELT

At OPTIBELT, customer service is our first priority. We place great emphasis on an easy and open approach to both our products and information. In order to facilitate ideal product presentation and sales support for retailers and workshops, we offer a great array of POS materials in the current OPTIBELT corporate design, such as posters, catalogues, displays and floor and counter stand-up displays. We make it easy to always find the information you need or the right product, whether it be V-belts, timing belts or V-ribbed belts, tensioning or guide idlers or our service tools. And the "power to go" energy drink from our stylish OPTIBELT cooler is just the thing if you're ever in need of a little extra drive.

OUR PRODUCTS

CAR POWER



optibelt **MARATHON 1**
V-belt



optibelt **RBK**
V-ribbed belt



optibelt **ZRK**
Timing belt



optibelt **KIT**
Repair kit

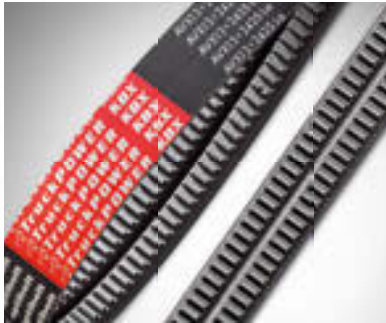
TRUCK POWER



optibelt **TRUCK POWER MARATHON 2 M=S**
V-belt



optibelt **TRUCK POWER RBK**
V-ribbed belt



optibelt **TRUCK POWER KBX**
Kraftband



optibelt **TRUCK POWER KIT**
Repair kit



THE NEW DISPLAYS

What better way to present the full product range in tried and trusted OPTIBELT quality than with the matching display stand? This way you always have V-belts, V-ribbed belts, timing belts, kraftbands and repair kits from our Car Power and Truck Power ranges right at hand. Our display stands are available in hanging and standing versions or as convenient cardboard stand-ups. Please don't hesitate to get in touch with us at marketing@optibelt.com, or contact your personal sales representative.



optibelt **DISPLAY**
Hanging version



optibelt **DISPLAY STAND**
Standing version



optibelt **CARDBOARD STAND-UP**

ALSO AVAILABLE FOR iPad

