



## ZF Aftermarket extends its portfolio of semi compound brake discs by TRW

- **Semi compound brake discs for popular Mercedes-Benz models now also available in the independent aftermarket**
- **Special design contributes to weight saving and CO2 reduction**

**In safety-critical areas of a vehicle such as the braking system, it is essential that all components are optimally matched to the respective passenger car and meet the quality of the original equipment. For over 100 years, brake systems for automobile manufacturers worldwide have been developed and produced under the TRW brand. This experience and expertise also applies to the TRW product portfolio for the independent aftermarket, which is now being further expanded in the two-piece brake disc segment. These brake discs are now also available for various Mercedes-Benz C- and E-Class models. Additional references for S-Class and GLC models of the Stuttgart premium manufacturer will follow in mid-2021.**

In response to strong demand from the market, ZF Aftermarket is expanding its portfolio of semi compound brake discs. Under the TRW brand, which represents decades of expertise and innovation in the development of braking systems, the business now offers independent workshops semi compound brake discs for the above-mentioned Mercedes-Benz volume models.

"Thanks to our strategic portfolio expansion in the area of semi compound brake discs, our workshop partners can not only equip additional private vehicles with OE-quality spare parts, but also serve cab fleet operators for whom the corresponding Mercedes-Benz models are particularly popular," says Ulf Haase, Head of Product Management Braking.



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ZF Aftermarket provides automotive companies with a comprehensive range of brake discs under its TRW product brand. In the segment of semi compound brake discs, products are now available for:

<b>Model</b>	<b>Axis</b>
C-Class (W205) Sedan (14-)	Rear
C-Class (W205) Sedan (14-)	Front
E-Class Coupe (C238) (16-)	Front

By mid 2021 the range will be expanded to include additional part numbers for the Mercedes-Benz S-Class and GLC models.

The semi compound design of Mercedes-Benz brake discs consists of a steel hub which is toothed with the grey cast iron friction ring. This special design optimizes thermal expansion during braking so that the disc is not deformed by thermal stress. The brake disc of this special design was developed to improve safety and performance and to extend the lifetime in more powerful vehicles.

ZF Aftermarket has developed an exclusive design for the independent aftermarket, which has the advantages of the OE product, but differs in the connection between the brake hub and the friction ring: TRW's semi compound brake disc also consists of a steel hub riveted to the cast iron friction ring. Due to the hub material and the riveting process, a special coating was developed to protect the brake disc from corrosion even at the rivet.

### **Less weight and CO2 emissions**

The reduced weight of a semi compound brake disc, compared to a full cast brake disc, reduces the unsprung masses, which improves driving comfort and NVH (Noise, Vibration & Harshness) behavior. In addition, the weight reduction contributes to the decrease of fuel consumption and CO2 emissions. Due to the reduced thermal expansion, the braking system operates at a lower temperature level, thus creating reserves to be able to draw on full braking power in an emergency.



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Since independent workshops are also serving an increasing number of fleet customers, such as cab companies, the expansion of the program in the segment of two-piece brake discs for popular Mercedes-Benz models is particularly important for them. Another example of ZF Aftermarket's strong customer orientation.

Caption:

ZF Aftermarket has developed an exclusive design for the TRW brake discs in OE quality.

Photo: ZF

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**ZF Friedrichshafen AG**

ZF is a global technology company and supplies systems for passenger cars, commercial vehicles and industrial technology, enabling the next generation of mobility.

ZF allows vehicles to see, think and act. In the four technology domains Vehicle Motion Control, Integrated Safety, Automated Driving, and Electric Mobility, ZF offers comprehensive solutions for established vehicle manufacturers and newly emerging transport and mobility service providers. ZF electrifies different kinds of vehicles. With its products, the company contributes to reducing emissions and protecting the climate.

ZF, which acquired WABCO Holdings Inc. on May 29, 2020, now has 160,000 employees worldwide with approximately 260 locations in 41 countries. In 2019, the



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two then-independent companies achieved sales of €36.5 billion (ZF) and \$3.4 billion (WABCO).

ZF Friedrichshafen AG's leading aftermarket and fleet solutions portfolio is built on its strong brands; Lemförder, Sachs, TRW and WABCO. A broad product and service offering, advanced connectivity solutions for digital mobility management and a global service network, support and enhance the performance and efficiency of all vehicle types throughout their life cycle. The company's aftermarket organization is both an architect and pacesetter for the Next Generation Aftermarket and the preferred partner for fleet and aftermarket customers worldwide.

For further press information and photos please visit: [www.zf.com](http://www.zf.com)