

The new compound brake disc from Otto Zimmermann GmbH - "Formula Z"!

Formula

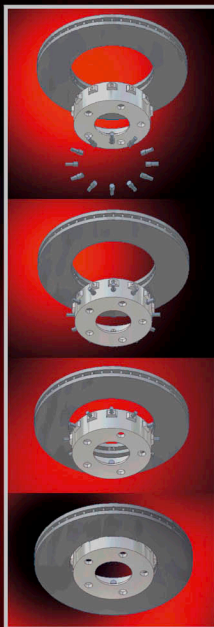


Dynamics.
Power.
Control!

- Excellent delay properties and no delay friction ring distortion at high temperatures
- Significant weight savings, resulting in low unsprung mass
- Thanks to the floating bearing, free radial expansion of the brake disc under strong heating conditions, resulting in
 - increased resistance to heat fractures
 - longer disc service life
- Prevention of "hot spots" thanks to optimised design of the ventilation ducts
- Simple installation by replacing the original disc

Tuning made to measure.

One-part brake disks display structurally-related high temperature fluctuations between the brake disc chamber and the friction ring. During use, stresses arise due to thermal expansions between the outer circumference of the brake disc chamber and the inner circumference of the friction ring. At high temperatures, this results in shielding of the friction ring that in turn leads to a significant worsening of the braking properties. Poor delay values are the result ... We developed a constructive solution that allows highly effective braking combined with simple assembly and when high mechanical and thermal stresses are present.



The problem is solved by a compound brake disc, on which the friction ring is connected to the brake disc chamber by means of fastening elements. With regard to the installation / function dimensions, the compound brake disc conforms to the standard brake disc of the corresponding vehicle. The design arranges the friction ring so that it floats with respect to the brake disc chamber. Mechanical and thermal stresses are transferred to the brake disc chamber by the radial arrangement of the fastening elements. Unhindered thermal expansion of the friction ring to the brake disc chamber is ensured and the risk of the friction ring being shielded is prevented.

Sporty driving,
type "Formula Z"!



The compound brake disc developed by Zimmermann is a compromise between the extreme demands of motor sport and the nowadays more exacting requirements of series models resulting from engine tuning and changes to wheels. This is exactly where the strength of our new series of compound brake disks for all types of vehicles lies. Dramatic improvements to the brakes are made by the modified spare part design combined with optimised brake linings. This is where you win - safely!



TÜV-tested

Made in Germany

Patented!



+++ Constructive innovation +++ Brand name quality +++ Safety +++ Driving pleasure +++