Consistent Quality. Full Stop!

febi Brake Discs – Unwavering Precision

febi brake discs are manufactured to the highest standards and are specified to minimum margins and tolerances. The final result is a brake disc with high thermal efficiency and optimal dampening properties that contribute to the prevention of vibrations.

1. Venting – where required – to dissipate heat, therefore cooling ventilated discs. The rib or pillar design follows that of the original.
2. A grey epoxy resin coating is applied to the side of the top hat and outer periphery of the disc to give an anti-corrosion coating. This is aesthetically pleasing to the customer.
3. The brake discs are made of grey cast iron with a high carbon content for use in particularly tough braking conditions. This gives a higher thermal conductivity level, therefore reducing both lateral runout and disc distortion and meets European standard DIN-EN-1561.
4. The heat groove acts as a thermal barrier, reducing the heat transfer to the wheel hub.
5. Precision cross-ground surface finish enables for a reduced bedding-in period, therefore eliminating noise and vibration issues.
6. Precisely machined, drilled and balanced to minimise resonance and torsional vibration and to give a precise fit.
7. Complies with or exceeds ECE Regulation 90 where applicable.

SOLUTIONS
MADE IN GERMANY

www.febi.com

Ferdinand Bilstein GmbH + Co. KG | Wilhelmstr. 47 | 58256 Ennepetal | Germany

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Brake Pads – Reliable & Comfortable

febi aims to find the optimal solution for safety, comfort and efficiency for each brake pad application. Every brake pad set features high sheer strength, an excellent stability friction coefficient, low noise levels and minimum vibration. This supplies a secure feeling for the driver at the brake pedal and makes braking progressive and comfortable.

A decisive factor for optimal brake pad quality is the individual components which form each pad. The list of features below are applied to each pad as required. Combining these elements provides both reliability and safety.

1. Friction Material: Specially matched to the particular vehicle type and application, considering vehicle speed, laden weight, or vast temperature change.
2. Intermediate Layer: Optimised compressibility reduces heat transfer.
3. Adhesive: High sheer strength; bonds friction material to the backing plate.
4. Backing Plate: High material strength and powder coated to prevent corrosion.
5. Shim: Damping material to reduce brake noise and vibrations – a multilayer, metal “anti-vibration component” using a combination of rubber and metal materials which are cut to shape.
6. Chamfer: Reduces noise during the bedding in period.
7. Slot: Allows the brake pad to flex under pressure as a means of preventing the friction material from cracking.
8. Springs and Clips: Fixes the brake pad to the brake caliper or carrier for a secure location in order to reduce vibration and noise.
9. Accessories: Bolts and clips supplied as necessary to make it easier to replace caliper parts when the pads are replaced.
10. Wear Indicators: To inform the driver of the need to replace the brake pads.
11. Complies or exceeds ECE Regulation 90 where applicable.

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