

34 .. Specifications for brake performance testing as part of regular periodic vehicle inspections as prescribed in § 29 StVZO German Motor Vehicle Safety Standards F45

Model series	F45
Base model	216i
Remarks	SAT
Approved gross vehicle weight (kg)	1905 kg
Maximum brake pedal force to achieve a deceleration rate of 58 % in (N)	170 N
Minimum front axle brake force ratio in %	60,7 %
Minimum proportion of rear axle braking force in %	15,8 %
Test area for brake pedal force (N)	70 – 150 N

34 11 Front Brake F45

Important! Installation of new brake pads is approved only provided that the brake disc thickness exceeds the specified dimension (see table). Brake discs must be replaced when they reach the nominal thickness (see table) minus 2.4 mm! (Not applicable to perforated brake discs and M vehicles) . Applies only to M vehicles and perforated ventilated brake discs: The brake discs must be replaced once they wear to the nominal specified thickness (see table) minus 1.6 mm! . Depending on: - Engine type - Transmission version - Equipment specification (e.g. maximum load increase, chassis official-use, national version, etc.) different brake discs can be fitted The brake discs must always be assigned by way of the relevant vehicle identification number and the Electronic Parts Catalogue!		
Different thicknesses on brake linings	Max. mm	0,01
Nominal size (diameter x thickness)	mm	307x24
Nominal size (diameter x thickness)	mm	330x24
Minimum brake disc thickness stamped on brake disc chamber	mm	22,4
Nominal size (diameter x thickness)	mm	294x22
Minimum brake disc thickness stamped on brake disc chamber	mm	20,4
Pad wear warning from remaining brake pad thickness	mm	3,7

34 21 Rear Brake Discs F45

Important! Installation of new brake pads is approved only provided that the brake disc thickness exceeds the specified dimension (see table). Brake discs must be replaced when they reach the nominal thickness (see table) minus 2.4 mm! (Not applicable to perforated brake discs and M vehicles) . Applies only to M vehicles and perforated ventilated brake discs: The brake discs must be replaced once they wear to the nominal specified thickness (see table) minus 1.6 mm! . Depending on: - Engine type - Transmission version - Equipment specification (e.g. maximum load increase, chassis official-use, national version, etc.) different brake discs can be fitted The brake discs must always be assigned by way of the relevant vehicle identification number and the Electronic Parts Catalogue!		
Different thicknesses on brake linings	Max. mm	0,01
Nominal size (diameter x thickness)	mm	300x20
Minimum brake disc thickness stamped on brake disc chamber	mm	18,4
Nominal size (diameter x thickness)	mm	280x10
Minimum brake disc thickness stamped on brake disc chamber	mm	8,4
Pad wear warning from remaining brake pad thickness	mm	3,7