

BRAKES

Brakes - Technical Data

BRAKES TESTING

34 00 TESTING AND BLEEDING BRAKES E71

TESTING AND BLEEDING BRAKES E71-SPECIFICATION

Brake fluid: refer to <u>BRAKES - OPERATING FLUIDS</u>		
Leak test with engine stopped: if applicable discharge vacuum reservoir by operating brake pedal firmly about 10 times		
Approx. force on pedal	approx. N	500
equals approx. line pressure	approx. bar	28
Max. pressure drop within 2 min.	%	8
Brake booster function test (with engine running)		
Approx. force on pedal	approx. N	200
Line pressure	bar	110 - 130

FRONT BRAKES

34 11 FRONT BRAKE E71

FRONT BRAKE E71-SPECIFICATION

Attention! New brake pads may only be installed if the brake disc thickness is greater than or equal to the minimum brake disc thickness (MIN TH) (not including M vehicles). In case of M vehicle and perforated brake discs new brake pads may only be installed if the brake disc thickness is greater than the minimum brake disc thickness (MIN TH). Minimum brake disc thickness during general inspection (GI): Nominal size thickness minus 2.4 mm (Not applicable to perforated brake discs and M vehicles) M vehicles and perforated brake discs: Nominal size thickness minus 1.6 mm Depending on: ○ Engine type ○ Transmission version ○ Equipment specification (e.g. maximum load increase, chassis official-use, national version, etc.)		
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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 (ETK)!		
Different thicknesses on brake linings	Max. mm	0.01
Max. machining limit per friction ring side (M vehicles and perforated brake discs must not be machined). Brake disc minimum thickness (MIN TH) must not be undershot.	mm	0.8
Nominal size (diameter x thickness)	mm	385x36
Nominal size (diameter x thickness)	mm	365x36
Brake disc minimum thickness (MIN TH) stamped on brake disc body	mm	34.4
Nominal size (diameter x thickness)	mm	348x30
Brake disc minimum thickness (MIN TH) stamped on brake disc body	mm	28.4
Wear warning from residual lining thickness	mm	3.7

REAR BRAKES

34 21 REAR BRAKE DISCS E71

REAR BRAKE DISCS E71-SPECIFICATION

Attention! New brake pads may only be installed if the brake disc thickness is greater than or equal to the minimum brake disc thickness (MIN TH) (not including M vehicles). In case of M vehicle and perforated brake discs new brake pads may only be installed if the brake disc thickness is greater than the minimum brake disc thickness (MIN TH). Minimum brake disc thickness during general inspection (GI): Nominal size thickness minus 2.4 mm (Not applicable to perforated brake discs and M vehicles) M vehicles and perforated brake discs: Nominal size thickness 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 (ETK)!		
Different thicknesses on brake linings	Max. mm	0.01
Max. machining limit per friction ring side (M vehicles and perforated brake discs must not be machined).	mm	0.8

Brake disc minimum thickness (MIN TH) must not be undershot.		
Nominal size (diameter x thickness)	mm	385x24
Nominal size (diameter x thickness)	mm	345x24
Brake disc minimum thickness (MIN TH) stamped on brake disc body	mm	22.4
Nominal size (diameter x thickness)	mm	320x20
Brake disc minimum thickness (MIN TH) stamped on brake disc body	mm	18.4
Wear warning from residual lining thickness	mm	3.7

PARKING BRAKE

34 41 PARKING BRAKE E71

PARKING BRAKE E71-SPECIFICATION

Handbrake drum diameter Models: 3.0d; 3.5d; 3.5i	mm	185
Minimum lining thickness	mm	1.5