

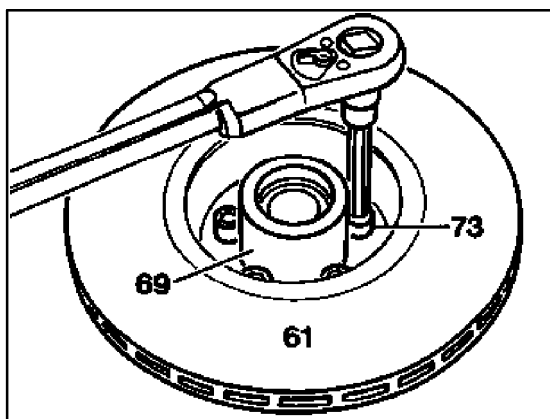
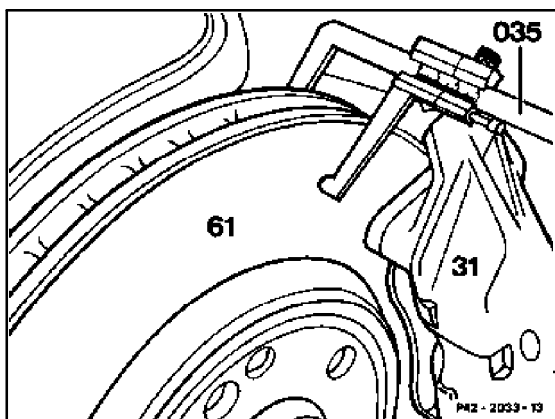
## 42-0220 Checking, removal and installation of brake discs on front axle

### Preliminary jobs:

Remove, mount wheels (40-0110).  
Check, renew brake pads (42-0160).

Operation no. of the operation texts and work units  
or standard texts and flat rates \_\_\_\_\_

42-0430



- Brake disc (61) \_\_\_\_\_
- a) Check wear between cover plate and brake caliper or, with brake pads removed, in pad shaft with caliper gauge (035) 124 589 05 19 00 (see Data). Renew brake discs according to condition.
- b) Perform visual check.  
It is not necessary to renew ventilated brake discs with hairline cracks up to a length of 25 mm, which can result from extreme stress. Renew brake discs with gaping cracks, with scoring deeper than 0.5 mm or when the wear limit has been reached.
- Brake caliper (31) \_\_\_\_\_ remove, install (42-0100, 42-0110). Hang brake caliper on body with suitable hook, do not subject brake hose to tension.
- Front wheel hub (69) \_\_\_\_\_ remove, install (33-0310).
- Brake disc (61) \_\_\_\_\_ screw off of wheel hub (69), screw on.  
Renew self-locking Allen bolts (73), 115 Nm.
- Cover plate \_\_\_\_\_ check mount on stub axle.
- Wheel bearing axial play \_\_\_\_\_ check, adjust if required (33-0300), see testing instructions for wheel bearing axial play.

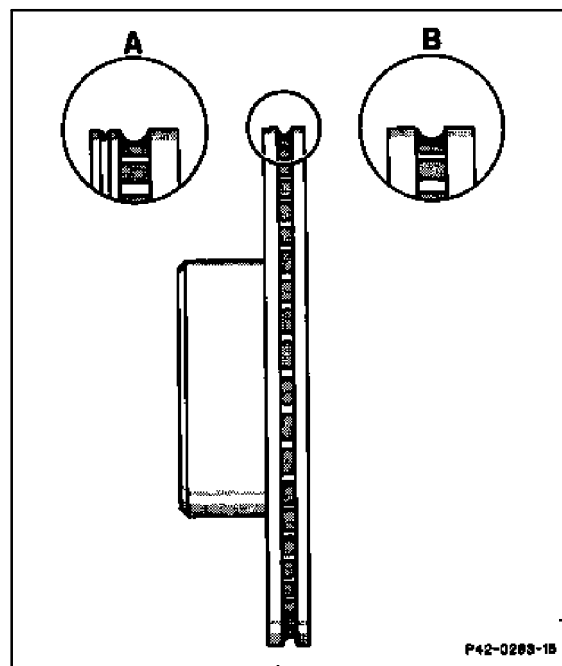
## M

On vehicles with fixed calipers installed up to 08/85 only install ventilated brake discs with diameter of 278 mm marked with a groove on the circumference.

The brake discs on vehicles with floating calipers installed up to 08/85 have a diameter of 286 mm.

Since 09/85 all model 126 vehicles have brake discs with a diameter of 300 mm.

- A Brake disc, fixed caliper up to 08/85
- B Brake disc, floating caliper

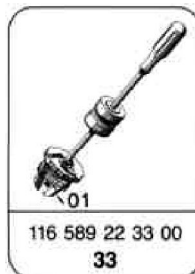
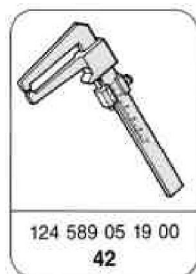
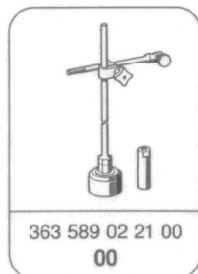


## Data

	Vehicles with fixed caliper up to 08/85	Vehicles with floating caliper	Vehicles with floating caliper starting 09/85
Thickness of brake disc	22	22	38
Wear limit	19.4	19.4	25.4
Limit dimension for maintenance 1)	20	20	26
Brake disc dia.	278 $\Phi$ 0.2	286 $\Phi$ 0.2	300 $\Phi$ 0.2
Fitting bore dia.	$\frac{80.05}{80.00}$	$\frac{80.05}{80.00}$	$\frac{80.05}{80.00}$
Lateral runout	max. 0.12	max. 0.12	max. 0.12

1) See Maintenance Manual Volume 2 (item 4252).

## Special tools



## Commercially available tools

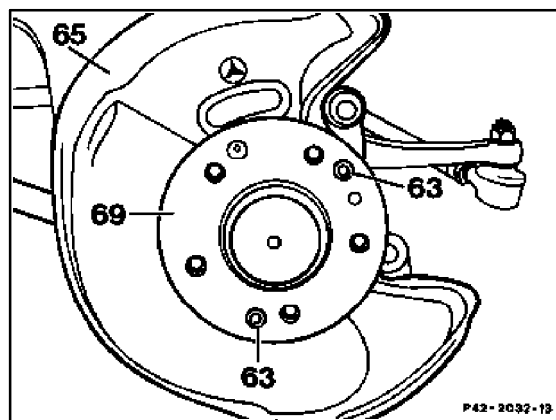
Dial gauge A1 DIN 878

e. g. Mahr,  
D-7300 Esslingen  
Order no. 810

### Installation note

Before installing brake discs remove any rust present on the brake disc flange or on the front wheel hub (69). **Lightly** coat fitted seat of front wheel flange with heat-resistant permanent lubricant (Molykote paste "D", Molykote paste G Rapid, Liqui-Moly paste 36).

Replacement brake discs are protected against corrosion with nitro-cellulose paint. For this reason the corrosion protection on these discs must be removed and the discs degreased before installation. This can be accomplished best with a high-pressure hot water cleaning unit. Observe safety instructions of unit manufacturer.



### Note on checking wheel bearing axial play

If the pedal travel differs during the test drive (particularly after driving through a curve), check the wheel bearing axial play at the front wheel hubs (33-0300). Measure lateral runout of brake discs at outer diameter. For this purpose use dial gauge holder (033) 363 589 02 21 00 and dial gauge A1 DIN 878 (032). Replace brake discs **as pair** if lateral runout is  $> 0.12$  mm.

