

3100 Overview of Technical Data

G22/G23 Rear-wheel drive, standard suspension/sport suspension settings with low-slung	
Measured from centre of wheel hub to lower edge of wheel arch	Dimension A 361 (351 - 371) mm



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Ride height of front axle G08 Standard suspension of rear wheel drive

Ride height (A): Measured from bottom centre of rim flange (1) to lower edge of wheel arch (2).

18" wheel rim	
	669 mm
19" wheel rim	
	682 mm
20" wheel rim	
	694 mm
21" wheel rim	
	707 mm

Ride height of front axle G22 sport suspension settings without low-slung (adaptive M suspension, M Sport suspension)

Ride height (A): Measured from bottom centre of rim flange (1) to lower edge of wheel arch (2).

17" wheel rim	
	595 mm
18" wheel rim	
	607 mm
19" wheel rim	
	620 mm
20" wheel rim	
	632 mm



Ride height on front axle G22 of standard suspension

Ride height (A): Measured from bottom centre of rim flange (1) to lower edge of wheel arch (2).

17" wheel rim	
	595 mm
18" wheel rim	
	607 mm
19" wheel rim	
	620 mm
20" wheel rim	
	632 mm



Ride height, front axle G08 LCI standard suspension, rear-wheel drive

Ride height (A): Measured from bottom centre of rim flange (1) to lower edge of wheel arch (2).

18" wheel rim	
	669 mm
19" wheel rim	
	682 mm
20" wheel rim	
	694 mm
21" wheel rim	
	707 mm

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Track width of front axle G22 for rear wheel drive

Rim offset 25

1583 mm

Rim offset 27

1579 mm

Rim offset 30

1573 mm

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Track width on front axle G08 of standard suspension for rear-wheel drive**Rim offset 22**

1620 mm

Rim offset 27

1610 mm

Rim offset 30

1604 mm

Rim offset 32

1600 mm

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WheelbaseG22

2851 mm



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3100 Overview of tightening torques

Holder to front axle support		
Oval-head screw TS5 x 16	Tightening torque	2,6Nm

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3110 Overview of tightening torques

Front axle carrier to body, rear		
M14 Renew screws.	Tightening torque	175Nm
Front axle support to front/centre of body		
M12 Renew screws.	Tightening torque	108Nm

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3112 Overview of tightening torques

Crash lever to frame		
M14	Tightening torque	100Nm
Crash lever to frame / adapter of front axle support		
M14	Tightening torque	100Nm
Tension strut to front axle support		
M12 Renew bolt and cage nut. Tighten screw connection in normal position.	Jointing torque	100Nm
	Angle of rotation	90°
Tension strut to swivel bearing		
M14 Renew nut.	Tightening torque	175Nm
Wishbone to front axle support		
M12 Renew screw and nut. Tighten in normal position! Tightening via screw.	Tightening torque	68Nm
	Angle of rotation	180°
Wishbone to swivel bearing		
M14 Renew nut.	Tightening torque	175Nm



3121 Overview of tightening torques

Wheel bearing to swivel bearing											
M12 Renew spherical collar screws. Tighten the spherical-collar bolts crosswise.	Tightening sequence must be strictly adhered to and carried out on all spherical-collar bolts at the same time! <table><tr><td>Tightening torque</td><td>20Nm</td></tr><tr><td>Initial torque</td><td>140Nm</td></tr><tr><td>Unscrew all bolts.</td><td>max. 45°</td></tr><tr><td>Tightening torque</td><td>120Nm</td></tr><tr><td>Angle of rotation</td><td>90°</td></tr></table>	Tightening torque	20Nm	Initial torque	140Nm	Unscrew all bolts.	max. 45°	Tightening torque	120Nm	Angle of rotation	90°
Tightening torque	20Nm										
Initial torque	140Nm										
Unscrew all bolts.	max. 45°										
Tightening torque	120Nm										
Angle of rotation	90°										

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3131 Overview of tightening torques

Absorber weight to spring strut		
M8 Renew screw.	Tightening torque	28Nm
	Angle of rotation	90°
Front spring strut support bearing to spring strut		
M12 Renew nut.		71Nm
Nut and locknut/self-locking nut		
M8 Renew screws.	Tightening torque	28Nm
	Angle of rotation	90°
Special tool to pressure plate		
	Tightening torque	8Nm
Spring strut shock absorber to swivel bearing		
M10 Renew screw and nut. Tightening via screw.	Tightening torque	60Nm
	Angle of rotation	180°



3135 Overview of tightening torques

Front anti-roll bar link to anti-roll bar/spring strut		
M10 Renew nut.	Tightening torque	56Nm
Retaining bracket of anti-roll bar to rear axle support		
M8 Renew screws.	Tightening torque	21Nm

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3150 Overview of Technical Data

Front axle transmission oil: Capacity overview (all)	
	Front axle transmission 168AL
	450 ml
	Front axle transmission (not 168AL)
	600 ml

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3151 Overview of tightening torques

Input flange to front axle transmission		
Replace collar nut.	Tightening torque	165Nm

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3160 Overview of Technical Data

Lubricating grease	
Quantity	90 g

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31 operating fluid overview

Transmission oil

Technically suitable front axle transmission oils

[Main group 31](#)

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