


## Tightening torques for U-bolt connections on BPW air suspension systems.

With the introduction of the Airlight II air suspension, a second U-bolt with M 22 (32 mm) was launched onto the market in addition to the familiar M 24 U-bolt (36 mm).

This Airlight II axle connection with U-bolt diameter M 22 (32 mm) is tightened with a torque and angle process controlled by the tensile yield strength. This has the advantage that the Airlight II air suspension is maintenance-free in on-road applications.

**In all other air suspension types and in Airlight II air suspension systems used off-road, the screw connections have to be retightened because of the higher loadings.**

This involves checking the U-bolt connection is firmly tightened at the specified intervals. For more information about maintenance intervals, please refer to the applicable maintenance regulations or workshop manuals.

	Airlight II - air suspension (Spring width = 70 mm)	SL - air suspension (Spring width = 100 mm)
U-bolt thread	M 22	M 24
Wrench size (mm) Lock nut	SW 32	SW 36
Tightening torque when checking firm attachment / retightening (using a torque wrench!)	550 Nm (510 - 605 Nm)	650 Nm (605 - 715 Nm)
Tightening torque when installing new U-bolt attachment components (using a torque wrench!)	550 Nm + 90° angle	650 Nm (605 - 715 Nm)

The specified tightening torques are mandatory in order to prevent damage to the components.