

## 32 00 Steering

### Tightening Torques

|                                                     | Type                                    | Thread | Tightening specifications                                 | Torque         |
|-----------------------------------------------------|-----------------------------------------|--------|-----------------------------------------------------------|----------------|
| 1AZ Steering box to front axle support              | F39 / F45 /<br>F46 / F48 /<br>F49 / F52 | M12    | Renew screws.<br><br>Jointing torque<br>Angle of rotation | 100 Nm<br>45 ° |
| 2AZ Heat shield to steering gear/front axle support | F39 / F45 /<br>F46 / F48 /<br>F49 / F52 | M6     | Renew screws.                                             | 8 Nm           |
| 3AZ Lock clamp steering gear to front axle support  | F39 / F45 /<br>F46 / F48 /<br>F49 / F52 | M10    | Jointing torque<br>Angle of rotation                      | 38 Nm<br>15 °  |

# 3200 Overview of Technical Data

| Ride height with vehicle load tolerance |               |
|-----------------------------------------|---------------|
|                                         | Minimum value |
|                                         | min. - 20 mm  |
|                                         | Maximum value |
|                                         | max. + 40 mm  |

| Tolerance for ride height at design level |                                   |
|-------------------------------------------|-----------------------------------|
|                                           | Tolerance for setpoint value      |
|                                           | max. 2 mm                         |
|                                           | Difference between left and right |
|                                           | max. 2 mm                         |

| Tolerance for ride height in normal position |                                   |
|----------------------------------------------|-----------------------------------|
|                                              | Tolerance for setpoint value      |
|                                              | max. 10 mm                        |
|                                              | Difference between left and right |
|                                              | max. 10 mm                        |





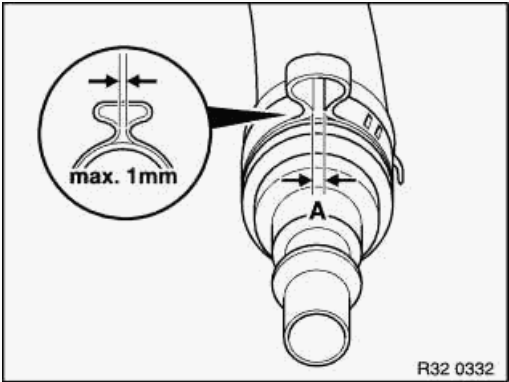
## 32 21 Track rod arm

### Tightening Torques

|                                     | Type                                    | Thread | Tightening specifications | Torque |
|-------------------------------------|-----------------------------------------|--------|---------------------------|--------|
| 1AZ Track rod end to swivel bearing | F39 / F45 /<br>F46 / F48 /<br>F49 / F52 | M14    | Renew nut.                | 175 Nm |
| 2AZ Track rod end to track rod      | F39 / F45 /<br>F46 / F48 /<br>F49 / F52 | M10    |                           | 32 Nm  |
| 3AZ Track rod to steering box       | F39 / F45 /<br>F46 / F48 /<br>F49 / F52 |        |                           | 71 Nm  |

# 3221 Overview of Technical Data

Ear hose clamp gap dimension



R32 0332

Dimension [A]

max. 1 mm

# 3221 Overview of tightening torques

| Track rod end to swivel bearing |                   |  |       |
|---------------------------------|-------------------|--|-------|
| M14                             | Tightening torque |  | 175Nm |
| Renew nut.                      |                   |  |       |

## 32 31 Steering column

### Tightening Torques

|                                           | Type                                    | Thread | Tightening specifications                                                     | Torque |
|-------------------------------------------|-----------------------------------------|--------|-------------------------------------------------------------------------------|--------|
| 1AZ Steering column to cross member       | F39 / F45 /<br>F46 / F48 /<br>F49 / F52 | M8     |                                                                               | 21 Nm  |
| 2AZ Lower steering shaft to steering gear | F39 / F45 /<br>F46 / F48 /<br>F49 / F52 | M10    | Clean screw thread and remove remains of screw locking agent.<br>Renew screw. | 28 Nm  |
| 3AZ Steering column to steering shaft     | F39 / F45 /<br>F46 / F48 /<br>F49 / F52 | M8     | Clean screw thread and remove remains of screw locking agent.<br>Renew screw. | 28 Nm  |

## 3231 Overview of tightening torques

### Lower steering shaft to steering column

Clamping bolt M8  
Recut screw thread.  
Renew clamping bolt.  
No retorquing permitted!

**Tightening torque**

28Nm

### Lower steering shaft to steering gear

M10  
Clean screw thread and remove remains of screw locking agent.  
Renew screw.

**Tightening torque**

28Nm

### Steering column to dashboard support

M8

**Tightening torque**

21Nm

## 32 33 Steering wheel

### Tightening Torques

|                                       | Type                                    | Thread | Tightening specifications           | Torque  |
|---------------------------------------|-----------------------------------------|--------|-------------------------------------|---------|
| 1AZ Steering wheel to steering column | F39 / F45 /<br>F46 / F48 /<br>F49 / F52 | M14    | Replace<br>microencapsulated screw. | 62,5 Nm |

# 3233 Overview of tightening torques

| Steering wheel to steering column                 |                   |        |
|---------------------------------------------------|-------------------|--------|
| M14                                               | Tightening torque | 62,5Nm |
| Only for a micro-encapsulated screw: Renew screw. |                   |        |

**32 operating fluid overview**

**Expendable materials**

|                         |                |                 |
|-------------------------|----------------|-----------------|
| Lubricating grease FB-1 | 100 g,<br>Tube | 83 23 2 208 093 |
|-------------------------|----------------|-----------------|