

33.1 Checking the Steering Knuckle

Steering knuckle

Permissible runout of steering knuckle spindle on bearing seats	0.05
Min. steering knuckle spindle dia. in case of repair	Bearing seat "a" 19.04
	Bearing seat "b" 31.74
Min. dia in case of repair of running surface "c" for radial sealing ring 1)	44.4

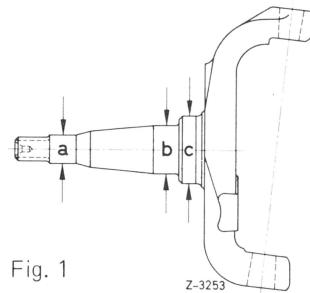


Fig. 1

1) During factory assembly the steering knuckle spindle is provided with a return flow spiral on the running surface of the radial sealing ring. If the running surface requires re-machining in case of repair, the return flow spiral need not be provided again.

Commercially available tools

Measuring stand	e.g. Messrs. Bosch, Stgt.-Feuerbach Order No. 0 601 980 001
Dial gauge A1 DIN 878	e.g. Messrs. Mahr, Esslingen Order No. 810 St

Checking

a) Steering knuckle spindle

(Steering knuckle installed)

1 Check the running surface for the radial sealing ring and the bearing seats on the steering knuckle spindle.

2 If necessary, re-machine the running surface, removing the steering knuckle from the vehicle (33.1-400). In this case the return flow spiral need not be provided again.

b) Steering knuckle

(Steering knuckle removed)

3 Take the steering knuckle up at the two centres between the ends and check runout of bearing seats.

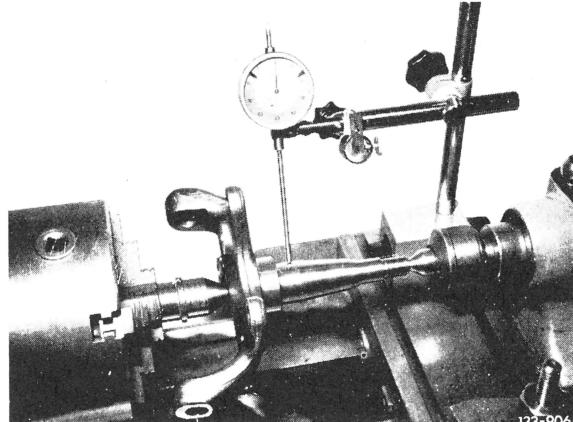


Fig. 2