

Type	180b, 180c 180Db, 180Dc 190b, 190Db	190SL	300d	300SLRo.
Car load for measuring curb condition ¹⁾ + load ²⁾ kg ³⁾	6 × 65 + 45	3 × 65 + 30	6 × 65 + 45	2 × 75 + 40
Camber of front wheels	+ 0° 30' ± 10'			
Toe-in (wheels in neutral position)	2 ± 1 mm or 0° 20' ± 10' ³⁾			
Track angularity differential with inside wheel turned in by 20°	approx. -2° 30'		approx. -2° 30'	
Caster ⁴⁾	3° 40' ± 30'	4° ± 30'	2° 20' ± 40'	4° 30' ± 30'
King pin inclination	5° 30' ± 15'		2° 30' ± 15'	
Ball point position ⁵⁾ distance "a" (see Fig. 40/1, 5 and 6)	34 ± 2 mm		20 ± 2 mm	18.5 + 3.5 mm
Perm. vertical deviation of ball point position or of distance "a" resp. from Pitman arm to interm. steering arm	2 mm			
Perm. difference between right and left center axis distance	5		3	

Perm. toe-in (+) or toe-out (-) resp. of rear wheels	± 2 mm or ± 0° 20'	
Distance of rear axle tube pivots from center of car	36 mm	40 mm
Perm. deviation of rear axle from center position	2 mm	
Perm. difference between left and right center axis difference	3 mm	4 mm
Perm. wheel base difference from right to left	8 mm	

Note: For camber of rear wheels see page 386 to 389.

¹⁾ Car in curb condition = car ready for operation with oil and water filling + full fuel tank + spare wheel + tools. Lacking fuel should be compensated for by adding weight in the luggage compartment. (1 ltr. of fuel = 0.75 kg of additional weight).

²⁾ The weight for loading the car must be distributed as specified. The first two figures indicate the load on the seats, whereas the latter indicates the load in the luggage compartment.

³⁾ Ideal toe-in = 2 mm or 0° 20' resp.

⁴⁾ Identical as far as possible with the wheels turned in left or right; difference between left and right max. 0° 30'

⁵⁾ Ball point position = distance "a" (see Fig. 40/1, 5 and 6); Pitman arm and interm. steering arm in measuring position or straight-ahead position resp.

⁶⁾ For checking the wheel alignment during the course of service jobs (camber of front wheels, toe-in and caster) with vehicle in curb condition, the same values are applicable.