

## Wheel alignment

### Wheel alignment specifications - Audi S3

Front axle	Standard running gear	Sports running gear
Individual toe (not pressed) check value	4' ± 3' 30"	4' ± 3' 30"
Individual toe (not pressed) setting	4' ± 2'	4' ± 2'
Overall toe (not pressed)	8' ± 7'	8' ± 7'
Camber (with wheels straight ahead) Max. perm. difference between the two sides	-45' ± 30' max. 30'	-58' ± 30' max. 30'
Toe-out on turns with 20° steering angle 1)	-1 °31' ± 20'	-1 °31' ± 20'
Caster (not adjustable) Max. perm. difference between the two sides	7° 58' max. 30'	8° 15' max. 30'
Max. steering angle at inner wheel	37°	37°

1) Angle of outer wheel is this much less. It may also be given as a negative figure by wheel alignment computers of certain manufacturers.

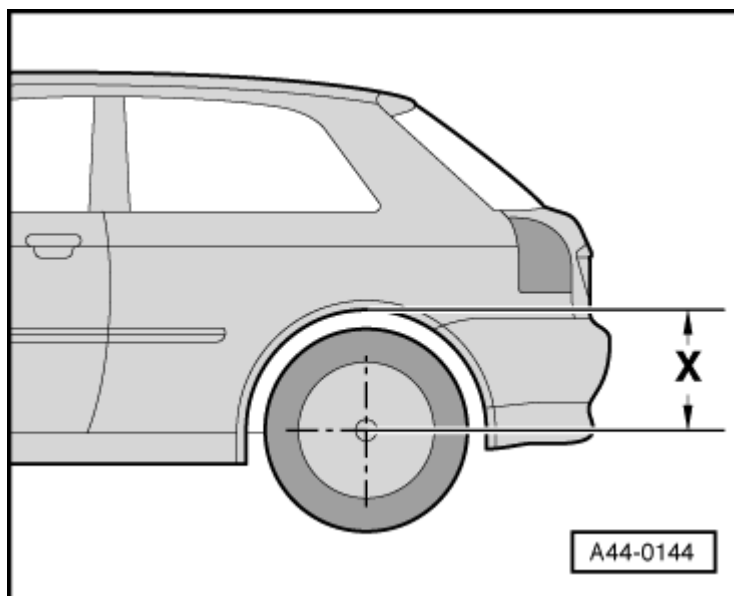
Rear axle	Standard running gear	Sports running gear
Overall toe	15'+ 15'/-10'	15'+ 15'/-10'
Permissible mis-alignment with respect to longitudinal axis of vehicle	max. 20'	max. 20'
Camber Max. perm. difference between the two sides	=> Table, Page <a href="#">44-23</a> max. 20'	

Rear axle camber is governed by height dimension between centre of wheel and bottom edge of wheel housing on body.

- → Prior to wheel alignment, determine height dimension "x" between centre of wheel and bottom edge of wheel housing on body.

**Rear axle camber values as a function of height dimension between centre of wheel and bottom edge of wheel housing on body**

Standard running gear		Sports running gear	
Height	Camber value	Height	Camber value
340 mm	-2° 17'		
345 mm	-2° 07'		
350 mm	-1° 57'		
355 mm	-1° 47'		
360 mm	-1° 37'		
<b>363.5 mm</b>	<b>-1° 30'</b>	<b>340 mm</b>	<b>-2° 08'</b>
365 mm	-1° 27'	350 mm	-1° 55'



370 mm	-1° 17'		
375 mm	-1° 07'		
380 mm	-57'		
385 mm	-47'		
390 mm	-37'		
395 mm	-27'		
400 mm	-17'		