

Rear Axle - General

Job No.
35-0

The rear axles of Model 180 2nd version, 180 a, 180 b, 180 D 2nd version, 180 Db, 190 D, 190 Db, 190 SL, 220 a, 219, 220 S, and 220 SE are essentially the same as the single-jointed rear axle installed on Model 190. They differ only in the gear ratio between the drive pinion and the ring gear (see table), the brake design and the support of the rear axle suspension. The rear axle housing, the axle tubes and the rear axle shaft have the same dimensions.

Note: Models 180 and 180 D were provided with a twin-jointed rear axle up to the following Chassis End Nos:

Model 180 up to Chassis End No. 55 12433

Model 180 D up to Chassis End No. 55 14467.

Gear Ratios and Number of Teeth

Model		Gear ratio	Number of teeth	Remarks
180 2 nd version	standard	1 : 3.90	10 : 39	1 st version was twin-jointed rear axle
	optional	1 : 4.10	10 : 41	
180 D 2 nd version	standard	1 : 3.70	10 : 37	1 st version was twin-jointed rear axle
	optional	1 : 4.10	10 : 41	
180 a, 180 b,	standard	1 : 3.90	10 : 39	export version
	optional	1 : 4.10	10 : 41	
190, 190 b		1 : 4.10	10 : 41	
190 D, 190 Db	standard	1 : 3.70	10 : 37	
	optional	1 : 4.10	10 : 41	
190 SL	1 st version	1 : 3.70	10 : 37	installed as a standard part up to Chassis End No. 55 00060
	2 nd version	1 : 3.89	9 : 35	installed as a standard part as from Chassis End No. 55 00061 up to Chassis End No. 55 00786
	3 rd version	1 : 3.90	10 : 39	installed as a standard part as from Chassis End No. 55 00787
	optional	1 : 4.10	10 : 41	export version
220 a	1 st version	1 : 4.11	9 : 37	installed as a standard part up to Chassis End No. 55 00776
	2 nd version	1 : 4.10	10 : 41	installed as a standard part as from Chassis End No. 55 00777
219	1 st version and optional	1 : 4.10	10 : 41	installed as a standard part up to Chassis End No. 75 00492 and as optional equipment on export cars
	2 nd version	1 : 3.90	10 : 39	installed as a standard part as from Chassis End No. 75 00493
220 S, 220 SE		1 : 4.10	10 : 41	