

Wheels

Job No.

40-0

A. Disk Wheels

All cars of Models 180 to 220 SE are fitted with 13" steel disk wheels. With the exception of Model 190 SL all export models can be fitted with 15" disk wheels as an optional extra.

The disk wheels of Models 180, 180 a, 180 D, 190 D, 190 SL, 220 a, 219, 220 S, and 220 SE are provided with rim balancing slots for balancing the wheels, whereas the disk wheels on Models 180 b, 180 Db, 190 b, and 190 Db have no rim slots (see Job No. 40-2).

Disk Wheels

Model	180 180 a 180 D 190 D	180 b, 180 Db 190, 190 b 190 Db	190 SL	219	220 a 220 S 220 SE
Standard version					
Rim type	Well base rim				
Rim designation	4½ Kx 13—A	4½ Kx 13—B	5 Kx 13—B	5 Kx 13—B	5 Kx 13—B
Rim version	symmetrical	asymmetrical			
Optional version					
Rim type	Well base rim				
Rim designation	4½ Kx 15—A	—		4½ Kx 15—A	
Rim version	symmetrical	—		symmetrical	
Test Values of Disk Wheels					
Permissible eccentricity	1.5 mm		1.0 mm	1.5 mm	
Permissible run-out	1.5 mm				
Permissible unbalance	750 cmg				

B. Tires

For general remarks on tires and tire pressures see Workshop Manual Model 190.

Model	Rim	Tire	DIN	Ply	Permissible maximum speed (km/h)	Permissible maximum load (kg)/air pressure (atm.)
Standard Tires						
180 180 a, 180 b 180 D, 180 Db 190, 190 b 190 D, 190 Db	4½ Kx 13	6.40—13 Low pressure	7803	4	150	440/1.9
219	5 Kx 13	6.40—13 Low pressure	7803	4	150	450/1.7
190 SL	4½ Kx 13	6.40—13 Sports type	—	4	175	425/2.0
220 a 220 S 220 SE	5 Kx 13	6.70—13 Sports type	—	4	175	500/2.3
Special Tires						
180 180 a, 180 b 180 D, 180 Db 190, 190 b 190 D, 190 Db 219	4½ Kx 13 or 5 Kx 13	6.40—13	7803	6	150	450/2.0
		6.70—13 Sports type	—	4	175	500/2.3
		6.70—13 Extr. sports type	—	6	175	475/2.1
		6.40—13	7804	4	150	500/2.5
		6.40—13 Extr. transp. type	7804	6	150	525/2.5
		6.70—13	7804	4	150	550/2.5
		6.40—13 Extr. transp. type	7804	6	150	625/3.0
	4½ Kx 15	6.40—15 Low pressure	7803	4	150	450/1.7
		6.40—15 Extr. sports type	7803	6	175	485/2.2
190 SL	5 Kx 13	6.40—13 Sup. Record	—	4	—	—
220 a 220 S 220 SE	5 Kx 13	6.70—13 Sports type	—	4	175	500/2.3
		6.70—13 Extr. sports type	—	6	175	475/2.3
		6.70—13	7804	4	150	550/2.5
	4½ Kx 15	6.40—15 Extr. sports type	—	6	175	485/2.2

Tire Pressures (only for standard types)

Tire pressure (atm.)			180 180 a, 180 b 180 D, 180 Db 190, 190 b 190 D, 190 Db	190 SL	219	220 a 220 S 220 SE	
For normal driving	Cold tires	Partial load	front	1.7	1.7	1.7	1.6
			rear	1.8	1.8	1.8	1.7
		Full load	front	1.7	1.7	1.7	1.7
			rear	1.9	1.8	1.9	1.8
		Increases after prolonged city-driving or limited highway travel to approx.	front	1.8	1.9	1.8	1.8
			rear	2.0	2.0	2.0	2.0
	Increases after fast highway travel to approx.	front	1.9	2.0	1.9	1.9	
		rear	2.1	2.1	2.1	2.1	
	For fast freeway travel or sports events	Cold tires	front	1.9	1.9	1.9	1.9
			rear	2.0	2.0	2.0	2.0
		Increases after fast freeway driving to approx.	front	2.1	2.3	2.2	2.3
			rear	2.3	2.4	2.4	2.4

Note: Full load = Car normally loaded (see Job No. 40-3).