

Technical data 924 S / 944 / 944 S / 944 S2

Designation	Remarks, Dimensions		Wear limit	
	924 S/944/944 S	944 S2	924 S/944/944 S	944 S2
Service brake (foot brake)	Hydraulic two-circuit brake system with front-axle/rear-axle brake circuit assignment (black/white), brake booster, ventilated brake disks with floating-frame caliper or fixed caliper on front and rear axles. The push-rod brake circuit is assigned to the front wheels. Each fixed caliper has 4 pistons			
Brake boosters (light-weight construction)	Ø 9 inch	Ø 9 inch		
Booster factor	3.1 bzw. 3.4*	3.4		
Brake master cylinder** (aluminium) up to end of Model 86 as well as 924 S (Ø in mm)	23.81/19.05	—		
Model 87 onward apart from 924 S (Ø in mm)	23.81/20.64	23.81/20.64		
Brake-power controller in the rear-axle brake circuit Switching pressure / reduction factor	33 bar / 046*** (944 S only)	18 bar/046		
Brake disk Ø front	282.5 mm	298 mm (304 mm)		
rear	289 mm	299 mm		
Active brake disk Ø				
front	224.6 mm	245 mm (250,8 mm)		
rear	242 mm	246 mm		

* Special running gear with brake system as on 944 Turbo from MY '89

** Model 87 onward, apart from 924 S, boost factor 3.4

*** vehicles with ABS (special option for Mod. 87 onward / standard on part of production vehicles as of model year '90) with two central valves.

**** 924 S and 944 without brake-power regulator.

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Piston O/ in front brake caliper mm	54	2 x 36 + 2 x 40 (2 x 36 + 2 x 44)*		
rear mm	36	2 x 28 + 2 x 30		
Brake-pad thickness, front	13 mm	13 mm	2 mm	2 mm
rear	13 mm	13 mm	2 mm	2 mm
Brake-pad surface per front wheel	92 cm ²	86 cm ² (126 cm ²)*		
Brake-pad surface per rear wheel	63 cm ²	86 cm ²		
Total brake-pad surface	310 cm ²	344 cm ² (424 cm ²)*		
Thickness of new brake disk, front	20,5 mm	28 mm		
rear	20 mm	24 mm		
min. brake-disk thickness** after machining front	19.1 mm	26.6 mm(30,6 mm)*	18.5 mm	26 mm (30 mm)
rear	19.2 mm	22.6 mm	18.6 mm	22 mm
Max. thickness tolerance of brake disk	0.02 mm	0.02 mm		
Max. lateral run-out of brake disk	0.05 mm	0.05 mm		
Max. lateral run-out, installed	0.1 mm	0.1 mm		
Lateral runout of wheel hub max.	0.05 mm	0.5 mm		
Max. raw depth after machining	0.006 mm	0.006 mm		

* Special running gear with brake system as on 944 Turbo from model year '89

** The brake disk must only be machined symmetrically, i.e. the same on both sides.