

Technical Bulletin

Model

All

Group

4

Subject:

Winter Tire/Wheel Rim Summary

Part Identifier

4405

Number

9004

ATTENTION: Service Manager/Service Technician

The following information contains the latest winter tire and wheel rim recommendations for Porsche vehicles. For general information on mounting, balancing and tire care, refer to Technical Bulletin Group 4, Number 8813 and/or the Workshop Manual.

Tire Pressures

Vehicle Type	Front Axle	Rear Axle
924S, 944, 944S	2.0 bar (29psi)	2.5 bar (36psi)
944 Turbo —1988, 944 S2 1989	2.5 bar (36psi)	2.5 bar (36psi)
944 Turbo S, 944 Turbo 1989	2.5 bar (36psi)	2.5 bar (36psi)
944 S2 1990 only	2.5 bar (36psi)	3.0 bar (44psi)
911 Carrera	2.0 bar (29psi)	2.5 bar (36psi)
911 Turbo and 911 Carrera Turbo Look	2.0 bar (29psi)	3.0 bar (44psi)
911 Carrera 2 and 4	2.5 bar (36psi)	3.0 bar (44psi)
928, 928S, 928 S4 and 928 GT	2.5 bar (36psi)	3.0 bar (44psi)

For reasons of safety, the checking of tire pressure should be accompanied by a visual inspection to ensure adequate tread depth and a check for objects piercing the tire, holes, cuts, cracks and bulges in the sidewalls.

Measure the tire pressure only when the tires are cold. Air pressure increases as the tires get hotter. This increased pressure must not be reduced.

Collapsible Spare Tire Information

165-15 4 PR 83 P	2.2 bar (32psi)*
165-15 8 PR 89 P	2.5 bar (36psi)**

* This tire may only be used on the front axle on Models 928, 928S and 911 Turbo.

** Standard equipment from Model Year 1986 for 911 Turbo and 928S. Can be used on front and rear axle.

Refer to the tables on the following pages for specific tire and rim applications.

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Model
924S,
944/S/S2/T

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Subject: Winter Tire/Wheel Rim Summary

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Recommended Winter Tires for Porsche 4 Cylinder Engine Cars

Recommended Tire Type	Application-Range	Tire Size	
		195/65 R 15 91 T	215/60 R 15 92 T
Continental TS 750 Contact	A	X	
Continental TS 740	A		X
Gislaved Frost	C	X	
Goodyear Ultra Grip III	A	X	X
Maloya Cresta	C	X	
Semperit Top Grip	A	X	X
Vredestein Snow Star	B	X	
		205/55 R 16 88 H	225/50 R 16 92 H
Bridgestone WT 04	A	X	X
Dunlop SP Winter Sport	B	X	X
Goodyear Eagle M+S	C	X	
Michelin X M+S 300	A	X	X
Semperit Direction Grip	C	X	X

Application Range A: For all driving conditions.
 Application Range B: For frequent highway driving.
 Application Range C: For heavy snow regions.

Winter Wheel Rim and Tire Sizes for Porsche 4 Cylinder Engine Cars

Vehicle Type	Rim Size	Rim Offset in mm	Tire Size
924S all	6 J x 15 or 5½ J x 15 front and rear	52.3 52.3	195/65 R 15 91 T or H front and rear
	6 J x 16 front and rear	52.3	*205/55 R 16 88 T or H front and rear
944 → 86 944 Turbo → 86	7 J x 15 front and rear	23.3	195/65 R 15 91 T or H front and rear or 215/60 R 15 93 T or H front and rear

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Vehicle Type		Rim Size	Rim Offset in mm	Tire Size
944 944 Turbo	→ 86	7 J x 16 front and rear	23.3	205/55 R 16 88 T or H front and rear
	→ 86	or 7 J x 16 front and	23.3	
		8 J x 16 rear	23.3	
		7 J x 16 front and	23.3	
		8 J x 16 rear	23.3	205/55 R 16 88 T or H front and * 225/50 R 16 92 T or H rear
944 944S	87→ all	7 J x 15 front and rear	52.3	195/65 R 15 91 T or H front and rear or 215/60 R 15 93 T or H front and rear
944 944S 944 Turbo	87→ all 87/88	7 J x 16 front and rear	52.3	205/55 R 16 88 T or H front and rear
		or 7 J x 16 front and	52.3	
		8 J x 16 rear	52.3	
		7 J x 16 front and	52.3	
		8 J x 16 rear	52.3	205/55 R 16 88 T or H front and * 225/50 R 16 92 T or H rear

*No tire chain clearance

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Vehicle Type	Rim Size	Rim Offset in mm	Tire Size
944 Turbo S 88	7 J x 16	65.0	205/55 R 16 88 T or H
944 Turbo 89	front and		front and rear or
944 S2 with 90	8 J x 16	52.3	* 225/50 R 16 92 T or H
sport suspension	rear		rear
944 S2 with 90	front and		
sport suspension	8 J x 16	52.3	
	rear		
944 S2 89→	7 J x 16 or	52.3	205/55 R 16 88 T or H
	7 J x 16	55.0	front and rear or
	front and		* 225/50 R 16 92 T or H
	8 J x 16	52.3	rear
	rear		

* No tire chain clearance

Important: The rim offset for 944/944S/944 Turbo changed since 1987 models.

Wheel rims of cars from 1987 models on may not be used on older models. Also: wheel rims of cars before 1987 models may not be used on cars from 1987 models on (see wheel rim survey).

The technically permitted top speed of winter tires is indicated by the "speed index" after the size information.

Q = max. 100mph (160 km/h) (not tested by Porsche)

T = max. 119mph (190 km/h)

H = max. 131mph (210 km/h)

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944/S/S2/T


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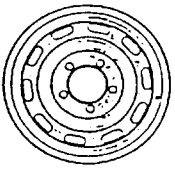
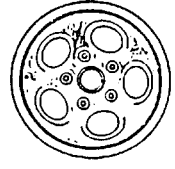

Subject: Winter Tire/Wheel Rim Summary

Part Identifier
4405

Number
9004

Survey of Porsche Wheel Rims for Winter Tires

Identification: Part number and Porsche trademark 

Rim Version	Rim Size	Rim-Offset	Porsche Part No.	924S	944 ↑ '86	944/944S ↑ '87	944 Turbo ↑ '86	944 Turbo '87/88	944 S2
1. Steel rim 	5½ J x 15	52.3	477 601 030 B	x					
2. Light alloy, cast 	6 J x 15	36.0 mm	911 361 023 46		x				
	7 J x 15	23.3 mm	951 362 104 00		x		x		
	7 J x 16	23.3 mm	951 362 114 00		x		x		
	8 J x 16	23.3 mm	951 362 116 00		x		x		
	6 J x 15	52.3 mm	944 362 102 00	x					
	7 J x 15	52.3 mm	944 362 104 00			x			
	7 J x 16	52.3 mm	951 362 114 01			x		x	x
	8 J x 16	52.3 mm	951 362 116 01			x		x	x
3. Light alloy, cast 	6 J x 15	36.0 mm	911 361 023 40		x				
			911 361 023 44		x				
			911 361 023 45		x				
	7 J x 15	23.3 mm	911 361 023 50		x				
			911 361 023 54		x				
			911 361 023 55		x				

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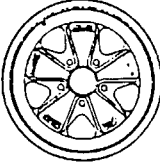
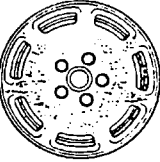
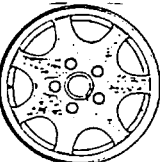
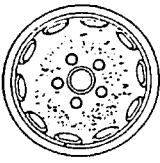
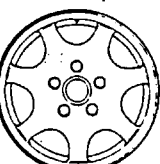
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Rim Version	Rim Size	Rim-Offset	Porsche Part No.	924S	944 ↑ '86	944/944S ↑ '87	944 S2	944 Turbo ↑ '86	944 Turbo '87/'88	944 Turbo S '89	944 S2 Sport
4. Light alloy, forged 	6 J x 15	36.0 mm	911 361 020 10/90		x						
	7 J x 15	23.3 mm	911 361 020 41/93		x						
	8 J x 15	10.6 mm	911 361 020 42/94		x						
	6 J x 16	36.0 mm	911 361 020 43/97 or 911 362 113 00/90		x						
	7 J x 16	23.3 mm	951 362 115 00/90		x			x			
	8 J x 16	23.3 mm	951 362 117 00/90		x			x			
5. Light alloy, forged 	6 J x 16	53.0 mm	477 601 026 D	x							
	6 J x 16	52.3 mm	944 362 113 00/01	x							
	7 J x 16	52.3 mm	944 362 115 00/01			x	x		x		
	7 J x 16	65.0 mm	928 362 115 00/01							x	
	8 J x 16	52.3 mm	928 362 117 00/01			x	x		x	x	
6. Light alloy, cast "Design 90" 	7 J x 16	55.0 mm	964 362 114 01				x				
	7½ J x 16	65.0 mm	928 362 114 05							x	
	8 J x 16	52.3 mm	964 362 116 01				x			x	
7. Light alloy, cast 	7 J x 16	65.0 mm	928 362 114 20							x	
	8 J x 16	52.3 mm	928 362 116 20							x	
8. Light alloy, forged "Club Sport" 	7 J x 16	65.0 mm	951 362 115 20/31							x	
	8 J x 16	60.0 mm	928 362 117 30/31							x	

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Technical Bulletin

Model
911C/C2/C4/T

Group
4

Subject: Winter Tire/Wheel Rim Summary

Part Identifier
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Number
9004

Recommended Winter Tires for Porsche 6 Cylinder Engine Cars

Recommended Tire Type	Application-Range	Tire Size	
		195/65 R 15 91 T	215/60 R 15 93 T
Continental TS 750 Contact	A	x	
Gislaved Frost	C	x	
Goodyear Ultra Grip III	A	x	x
Maloya Cresta	C	x	
Semperit Top Grip	A	x	x
Vredestein Snow Star	B	x	

Recommended Tire Type	Application-Range	Tire Size	
		205/55 R 16 88 H	225/50 R 16 92 H
Bridgestone WT 04	A	x	x
Dunlop SP Winter Sport	B	x	x
Goodyear Eagle M+S	C	x	
Michelin X M+S 300	A	x	x
Semperit Direction Grip	C	x	x

- Application Range A: For all driving conditions.
Application Range B: For frequent highway driving.
Application Range C: For heavy snow regions.

911 Carrera 4 Information:

The fact that four wheel drive cars provide improved traction on snow and ice even with Summer tires should not obscure the fact that this drive design does not have any advantages while braking. Winter tires will shorten the braking distance on difficult Winter road conditions to a much greater degree as compared to summer tires. Therefore, in the interest of safety the use of Winter tires should be recommended.

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<h1>Technical Bulletin</h1>	Model 911C/C2/C4/T	Group 4
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Vehicle Type	Rim Size	Rim Offset in mm	Tire Size
911 Carrera and Club Sport Version all model years	6 J x 15 front and 7 J x 15 rear	36.0 23.3	195/65 R 15 91 T or H front and rear or only front and 215/60 R 15 93 T or H rear
	6 J x 16 front and 7 J x 16 rear	36.0 23.3	205/55 R 16 88 T or H front and rear or only front and 225/50 R 16 92 T or H rear
	6 J x 16 front and 8 J x 16 rear	36.0 10.6	205/55 R 16 88 T or H front and 225/50 R 16 92 T or H rear
911 Turbo and 911 Turbo Look all model years	6 J x 15* front and 7 J x 15 rear	36.0 23.3	195/65 R 15 91 T or H front and rear or only front and 215/60 R 15 93 T or H rear
	7 J x 15 front and 8 J x 15 rear	23.3 10.6	195/65 R 15 91 T or H front and 215/60 R 15 93 T or H rear
	6 J x 16 front and 7 J x 16 rear or 7 J x 16 front and 8 J x 16 rear	36.0 23.3 23.3 10.6 or 23.3	205/55 R 16 88 T or H front and rear or only front and 215/50 R 16 92 T or H rear

*only Turbo Look

<h1 style="margin: 0;">Technical Bulletin</h1>	Model 911C/C2/C4/T	Group 4
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Subject: Winter Tire/Wheel Rim Summary	Part Identifier 4405	Number 9004
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Vehicle Type	Rim Size	Rim Offset in mm	Tire Size
Carrera 2 and Carrera 4	6 J x 16 front and	52.3	205/55 R 16 88 T or H front and rear or only front and 225/50 R 16 91 T or H rear
	7 J x 16 rear	52.3 or 55.0	
	or 6 J x 16 front and	52.3	
	8J x 16 rear	52.3	

T = max. 119mph (190 km/h)
H = max. 131mph (210 km/h)

No tire chain clearance:

911 Carrera -	215/60 R 15 on 8 J x 15 and 225/50 R 16 on 7 J x 16 or 8 J x 16
911 Carrera 2/4 -	225/50 R 16 on 7 J x 16 or 8 J x 16, 205/55 R 16 on 8 J x 16

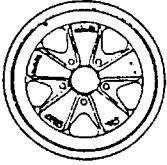
Survey of Porsche Wheel Rims for Winter Tires

Identification: Part number and Porsche trademark

Rim Version	Rim Size	Rim-Offset	Porsche Part No.	911 Carrera	911 Turbo/ Look
1. Light alloy, cast 	6 J x 15	36.0 mm	911 361 023 40/44/45	x	
	7 J x 15	23.3 mm	911 361 023 50 54 55	x	
2. Light alloy, cast 	6 J x 15	36.0 mm	911 361 023 46	x	
	7 J x 15	23.3 mm	951 362 104 00	x	
	7 J x 16	23.3 mm	951 362 114 00		x
	8 J x 16	23.3 mm	951 362 116 00		x


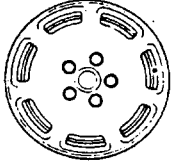


Technical Bulletin	Model 911C/C2/C4/T	Group 4
	Subject: Winter Tire/Wheel Rim Summary	Part Identifier 4405

Rim Version	Rim Size	Rim-Offset	Porsche Part No.	911 Carrera	911 Turbo/ Look
3. Light alloy, forged 	6 J x 15	36.0 mm	911 361 020 10/90	x	x*
	7 J x 15	23.3 mm	911 361 020 41/93	x	x
	8 J x 15	10.6 mm	911 361 020 42/94	x	x
	6 J x 16	36.0 mm	911 362 113 00/90	x	x
	7 J x 16	23.3 mm	911 362 115 00/90 951 362 115 00/90	x x	x x
	8 J x 16	10.6 mm	911 362 117 00/90	x	x
	8 J x 16	23.3 mm	951 362 117 00/90		x

*only Turbo Look

Survey of Porsche Wheel Rims for Winter Tires - 911 Carrera 2 and 911 Carrera 4

4. Light alloy, cast "Design 90" 	6 J x 16	52.3 mm	964 362 112 01
	7 J x 16	55.0 mm	964 362 114 01
	8 J x 16	52.3 mm	964 362 116 01
5. Light alloy, forged 	6 J x 16	52.3 mm	944 362 113 00/01
	8 J x 16	52.3 mm	928 362 117 00/01



Technical Bulletin	Model 928/S/S4/GT	Group 4
	Subject: Winter Tire/Wheel Rim Summary	Part Identifier 4405

Recommended Winter Tires for Porsche 8 Cylinder Engine Cars

Tire Size	Recommended Tire Type	Application Range
215/60 R 15 93 T	Continental TS 740	A
	Goodyear Ultra Grip III	A
	Semperit Top Grip	A
205/55 R 16 88 H	Bridgestone WT 04	A
	Dunlop SP Winter Sport	B
	Goodyear Eagle M + S	C
	Michelin X M + S 300	A
	Semperit Direction Grip	C
225/50 R 16 92 H	Bridgestone WT 04	A
	Dunlop SP Winter Sport	B
	Michelin X M + S 300	A
	Semperit Direction Grip	C

Application Range A: For all driving conditions.
 Application Range B: For frequent highway driving.
 Application Range C: For heavy snow regions.

T = max. 119mph (190 km/h)
 H = max. 131mph (210 km/h)

Winter Wheel Rim and Tire Sizes for Porsche 8 Cylinder Engine Cars

Vehicle Type	Rim Size	Rim Offset in mm	Tire Size
928 928 S → 85	7 J x 15 front and rear	65.0	215/60 R 15 93 T or H
928 928 S all 928 S4 87→ (exc. GT)	7 J x 16 front and rear	65.0	205/55 R 16 88 T or H
	7 J x 16 front and 8 J x 16 rear	65.0 52.3	225/50 R 16 92 T or H
928 GT	7 J x 16 front and 8 J x 16 rear	65.0 52.3	205/55 R 16 88 T or H front and rear or 225/50 R 16 92 T or H front and rear



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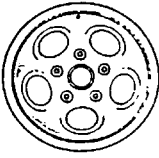
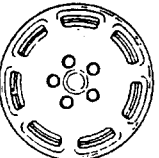
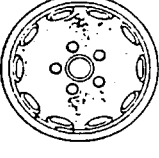
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Survey of Porsche Wheel Rims for Winter Tires — 928/S/S4/GT

Identification: Porsche Part Number and Porsche trademark 

Rim Version	Rim Size	Rim-Offset	Porsche Part No.	928/928 S → 85	928S/928 S4 86-89	Club Sport- Version	928 S4 90 928 GT
1. Light alloy, cast 	7 J x 15	65.0 mm	928 361 919 00	x			
	7 J x 15	65.0 mm	928 361 019 00	x			
	7 J x 16	65.0 mm	928 361 916 00	x			
	7 J x 16	65.0 mm	928 361 016 00	x			
	8 J x 16	52.3 mm	951 362 116 01	x			
2. Light alloy, forged 	7 J x 16	65.0 mm	928 361 021 05/08	x	x	x	
	7 J x 16	65.0 mm	928 362 115 00/01	x	x	x	
	8 J x 16	52.3 mm	928 362 117 00/01	x	x	x*	
	7 J x 16 (RDK)	65.0 mm	928 362 155 00/01				x
	8 J x 16 (RDK)	52.3 mm	928 362 157 00/01				x
3. Light alloy, cast 	7 J x 16	65.0 mm	928 362 114 20	x	x	x	
	8 J x 16	52.3 mm	928 362 116 20	x	x	x	
	7 J x 16 (RDK)	65.0 mm	928 362 154 20				x
	8 J x 16 (RDK)	52.3 mm	928 362 156 20				x

RDK (Tire Pressure Control System) since 1990 models.

*Mounted without spacers (Club Sport/928 GT 1989).

No tire chain clearance with 225/50 R 16 and 245/45 R 16 on 8 J x 16 rims!

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Important: Beginning with 1990 models only wheels with pressure switches for the tire pressure monitoring system (RDK) may be used. (Also refer to 928 Workshop Manual, Volume 4, Group 44 and Technical Bulletin Group 4, Number 8913.)

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