

Approved Wheels and Tires (12/16)

Vehicle Type: **All Panamera models**

Model Year: **As of 2017**

Concern: Approval status: November 2016

Sizes: **Permissible wheel and tire sizes
(RO = rim offset in mm, FA = front axle, RA = rear axle)**

Tires	Tire sizes	Wheel sizes	Snow chains
Panamera 4S			
Summer	FA: 265/45 ZR 19 (105Y) XL RA: 295/40 ZR 19 (108Y) XL	FA: 9 J x 19 H2, RO 64 RA: 10.5 J x 19 H2, RO 62	No
	FA: 275/40 ZR 20 (106Y) XL RA: 315/35 ZR 20 (110Y) XL	FA: 9.5 J x 20 H2, RO 71 RA: 11.5 J x 20 H2, RO 68	No
	FA: 275/35 ZR 21 (103Y) XL RA: 315/30 ZR 21 (105Y) XL	FA: 9.5 J x 21 H2, RO 71 RA: 11.5 J x 21 H2, RO 69	No
Winter	FA: 265/45 R 19 105V XL M+S RA: 295/40 R 19 108V XL M+S	FA: 9 J x 19 H2, RO 64 RA: 10.5 J x 19 H2, RO 62	RA only
	FA: 275/40 R 20 106V XL M+S RA: 315/35 R 20 110V XL M+S	FA: 9.5 J x 20 H2, RO 71 RA: 10.5 J x 20 H2, RO 71	RA only
	FA: 275/35 R 21 103V XL M+S RA: 315/30 R 21 105V XL M+S	FA: 9.5 J x 21 H2, RO 71 RA: 10.5 J x 21 H2, RO 71	RA only
All-season	FA: 275/40 R 20 106V XL M+S RA: 315/35 R 20 110V XL M+S	FA: 9.5 J x 20 H2, RO 71 RA: 11.5 J x 20 H2, RO 68	No
	FA: 275/35 R 21 103V XL M+S RA: 315/30 R 21 105V XL M+S	FA: 9.5 J x 21 H2, RO 71 RA: 11.5 J x 21 H2, RO 69	No
Panamera Turbo			
Summer	FA: 275/40 ZR 20 (106Y) XL RA: 315/35 ZR 20 (110Y) XL	FA: 9.5 J x 20 H2, RO 71 RA: 11.5 J x 20 H2, RO 68	No
	FA: 275/35 ZR 21 (103Y) XL RA: 315/30 ZR 21 (105Y) XL	FA: 9.5 J x 21 H2, RO 71 RA: 11.5 J x 21 H2, RO 69	No

Tires	Tire sizes	Wheel sizes	Snow chains
Winter	FA: 275/40 R 20 106V XL M+S RA: 315/35 R 20 110V XL M+S	FA: 9.5 J x 20 H2, RO 71 RA: 10.5 J x 20 H2, RO 71	RA only
	FA: 275/35 R 21 103V XL M+S RA: 315/30 R 21 105V XL M+S	FA: 9.5 J x 21 H2, RO 71 RA: 10.5 J x 21 H2, RO 71	RA only
All-season	FA: 275/40 R 20 106V XL M+S RA: 315/35 R 20 110V XL M+S	FA: 9.5 J x 20 H2, RO 71 RA: 11.5 J x 20 H2, RO 68	No
	FA: 275/35 R 21 103V XL M+S RA: 315/30 R 21 105V XL M+S	FA: 9.5 J x 21 H2, RO 71 RA: 11.5 J x 21 H2, RO 69	No

Wheels:

Overview of Porsche wheels for summer, winter and all-season tires

Identification on inside of wheel:

Wheel size, rim offset (RO) in mm, part number (without color code FFF) and Porsche logo

19-inch Panamera wheel

FA: 9 J x 19 H2, RO 64
Part No. 971.601.025_FFF

RA: 10.5 J x 19 H2, RO 62
Part No. 971.601.025.F_FFF



19-inch Panamera wheel

19-inch Panamera S wheel

FA: 9 J x 19 H2, RO 64
Part No. 971.601.025.A_FFF

RA: 10.5 J x 19 H2, RO 62
Part No. 971.601.025.G_FFF



19-inch Panamera S wheel

20-inch Panamera Turbo wheel

FA: 9.5 J x 20 H2, RO 71
Part No. 971.601.025.B_FFF

RA: 11.5 J x 20 H2, RO 68
Part No. 971.601.025.H_FFF

RA: 10.5 J x 20 H2, RO 71
Part No. 971.698.025_FFF



20-inch Panamera Turbo wheel

20-inch Panamera Design wheel

FA: 9.5 J x 20 H2, RO 71
Part No. 971.601.025.C_FFF

RA: 11.5 J x 20 H2, RO 68
Part No. 971.601.025.J_FFF



20-inch Panamera Design wheel

20-inch Exclusive Design wheel

FA: 9.5 J x 20 H2, RO 71
Part No. 971.698.025.B_FFF

RA: 10.5 J x 20 H2, RO 71
Part No. 971.698.025.C_FFF



20-inch Exclusive Design wheel

21-inch Panamera Sport Design wheel

FA: 9.5 J x 21 H2, RO 71
Part No. 971.601.025.D_FFF/971.601.029.D_FFF

RA: 11.5 J x 21 H2, RO 69
Part No. 971.601.025.K_FFF/971.601.029.K_FFF

RA: 10.5 J x 21 H2, RO 71
Part No. 971.698.025.A_FFF



21-inch Panamera SportDesign wheel

21-inch 911 Turbo Design wheel

FA: 9.5 J x 21 H2, RO 71
Part No. 971.601.025.E_FFF

RA: 11.5 J x 21 H2, RO 69
Part No. 971.601.025.L_FFF



21-inch 911 Turbo Design wheel

21-inch Exclusive Design wheel

FA: 9.5 J x 21 H2, RO 71
Part No. 971.601.025.M_FFF/971.601.029.M_FFF

RA: 11.5 J x 21 H2, RO 69
Part No. 971.601.025.N_FFF/971.601.029.N_FFF



21-inch Exclusive Design wheel

**Information**

Improper handling can damage the wheel surface.

Carry out tire removal and mounting using a bead holding-down device only.

Use a leather pad on the rim flange to support the valve insertion tool.

Only use the Porsche centering clamping set for balancing.

Do not use brushes to clean the wheels because brushes can cause deep scratches that cannot be removed by polishing.

Never use solvents or other chemical substances on tires.

**Information**

Only fit wheels with identical part numbers on one axle.

Wheel
Mounting:

Tightening torque 160 Nm (118 ftlb.)

**WARNING****Driving with different tires (mixed tires)**

- **Uncontrollable vehicle handling**

⇒ **Only use tires of the same make and type, with the same speed index and the same specification code (NO, N1, N2, ...) on a vehicle.**

Summer Tires:

Model	Tire sizes	Tire make and type
Panamera 4S	FA: 265/45 ZR 19 (105Y) XL RA: 295/40 ZR 19 (108Y) XL	Michelin Pilot Sport 4 NO (Inside/Outside)
		Goodyear Eagle F1 Asymmetric 3 NO (Inside/Outside)
	FA: 275/40 ZR 20 (106Y) XL RA: 315/35 ZR 20 (110Y) XL	Michelin Pilot Sport 4 NO (Inside/Outside)
	275/35 ZR 21 (103Y) XL 315/30 ZR 21 (105Y) XL	Pirelli P Zero NO (Inside/Outside)
		Continental ContiSportContact 5 P NO (Inside/Outside)

Model	Tire sizes	Tire make and type
Panamera Turbo	FA: 275/40 ZR 20 (106Y) XL RA: 315/35 ZR 20 (110Y) XL	Michelin Pilot Sport 4 NO (Inside/Outside)
	275/35 ZR 21 (103Y) XL 315/30 ZR 21 (105Y) XL	Pirelli P Zero NO (Inside/Outside)
		Continental ContiSportContact 5 P NO (Inside/Outside)

Winter Tires:

Model	Tire sizes	Tire make and type
Panamera 4S	FA: 265/45 R 19 105V XL RA: 295/40 R 19 108V XL	Michelin Pilot Alpin PA4 NO (Rotation)
		Continental ContiWinterContact TS 830 P NO (Inside/Outside)
	FA: 275/40 R 20 106V XL RA: 315/35 R 20 110V XL	Michelin Pilot Alpin PA4 NO (Rotation)
		275/35 R 21 103V XL and 315/30 R 21 105V XL
Panamera Turbo	FA: 275/40 R 20 106V XL RA: 315/35 R 20 110V XL	Michelin Pilot Alpin PA4 NO (Rotation)
	275/35 R 21 103V XL and 315/30 R 21 105V XL	Pirelli Winter Sottozero 3 NO (Rotation)

All-Season
Tires:

Model	Tire sizes	Tire make and type
Panamera 4S, Panamera Turbo	FA: 275/40 R 20 106V XL RA: 315/35 R 20 110V XL	Michelin Pilot Sport A/S 3 NO (Rotation)
		Pirelli Cinturato P7 All Season NO (Inside/Outside)
	275/35 R 21 103V XL and 315/30 R 21 105V XL	Pirelli Cinturato P7 All Season NO (Inside/Outside)

**Information**

N... = Specification code of the tire, e.g. "N0", "N1", "N2" ... The complete "N ..." code of the tires in question must be shown on the tire sidewall near the tire type designation.

Instructions for correct mounting of the tires are also given on the tire sidewall. If there are no mounting instructions on the tire sidewall, the tire must be mounted so that the DOT marking is visible from the outside.

Arrow with inscription "Rotation"	= directional mounting
"Inside/Outside" inscription or "Left" or "Right"	= mounting on specified side only
Arrow with both inscriptions "Rotation" and "Inside/Outside"	= directional mounting on specified side only.
Arrow with both inscriptions "Rotation" and "Left" or "Right"	= directional mounting on specified side only.

**Information**

If a tire is damaged and it is not possible to determine with absolute certainty that there is no ply damage - with all of its consequences - or if the tire was thermally and/or mechanically overloaded due to a loss of pressure or other prior damage, replace the tire in question for safety reasons.

Repairs to "V", "W", "Y" and "ZR" tires are not permissible, as well as the use of inner tubes in tubeless tires. Please inform your customers accordingly. It is advisable to mount winter tires at temperatures below **45° F/7°C**, because the driving characteristics of summer tires are reduced at low temperatures. Extremely low temperatures can cause permanent damage to summer tires.

**WARNING****Incorrect tire pressure**

- **Uncontrollable vehicle handling**
- ⇒ **Adjust the tire pressure according to specifications. Never allow the pressure to fall below the minimum pressure.**
- ⇒ **Check age of tires. Replace tires that are more than 6 years old.**
- ⇒ **Perform visual inspections.**
- ⇒ **Use only tires recommended by Porsche.**

Tire Pressure:

**Information**

The tire pressure applies only to the tire makes and types approved by Porsche, and is specified for cold tires (approx. **68° F/20°C**). The tire pressures must never be lower than the specified values.

Standard tire pressure for summer tires

Wheel size	Panamera 4S			
	Part load		Full load	
	FA	RA	FA	RA
19-inch wheels	2.4 bar (35 psi)	2.5 bar (36 psi)	2.6 bar (38 psi)	3.0 bar (44 psi)
20-inch wheels	2.3 bar (33 psi)	2.4 bar (35 psi)	2.5 bar (36 psi)	2.8 bar (41 psi)
21-inch wheels	2.5 bar (36 psi)	2.8 bar (41 psi)	2.8 bar (41 psi)	3.3 bar (48 psi)

Wheel size	Panamera Turbo			
	Part load		Full load	
	FA	RA	FA	RA
20-inch wheels	2.8 bar (41 psi)	2.4 bar (35 psi)	2.9 bar (42 psi)	2.8 bar (41 psi)
21-inch wheels	3.1 bar (45 psi)	2.8 bar (41 psi)	3.2 bar (46 psi)	3.3 bar (48 psi)

Standard tire pressure for winter tires

Wheel size	Panamera 4S			
	Part load		Full load	
	FA	RA	FA	RA
19-inch wheels	2.3 bar (33 psi)	2.4 bar (35 psi)	2.4 bar (35 psi)	2.8 bar (41 psi)
20-inch wheels	2.2 bar (32 psi)	2.3 bar (33 psi)	2.4 bar (35 psi)	2.7 bar (39 psi)
21-inch wheels	2.4 bar (35 psi)	2.7 bar (39 psi)	2.6 bar (38 psi)	3.1 bar (45 psi)

Wheel size	Panamera Turbo			
	Part load		Full load	
	FA	RA	FA	RA
20-inch wheels	2.4 bar (35 psi)	2.2 bar (32 psi)	2.5 bar (36 psi)	2.7 bar (39 psi)
21-inch wheels	2.7 bar (39 psi)	2.7 bar (39 psi)	2.8 bar (41 psi)	2.9 bar (42 psi)

Standard tire pressure for all-season tires

Wheel size	Panamera 4S			
	Part load		Full load	
	FA	RA	FA	RA
20-inch wheels	2.2 bar (32 psi)	2.3 bar (33 psi)	2.4 bar (35 psi)	2.7 bar (39 psi)
21-inch wheels	2.4 bar (35 psi)	2.7 bar (39 psi)	2.6 bar (38 psi)	3.1 bar (45 psi)

Wheel size	Panamera Turbo			
	Part load		Full load	
	FA	RA	FA	RA
20-inch wheels	2.4 bar (35 psi)	2.2 bar (32 psi)	2.5 bar (36 psi)	2.7 bar (39 psi)
21-inch wheels	2.7 bar (39 psi)	2.7 bar (39 psi)	2.8 bar (41 psi)	2.9 bar (42 psi)

WARNING

Driving at high speed with low tire pressure

- Irreparable damage to tires
- ⇒ Set Comfort air pressure for tires only on vehicles with Tire Pressure Monitoring (TPM) and "Comfort" selected in the "Tire pressure" main menu in the multi-function display.



Information

The permitted speed threshold for Comfort tire pressure depends on the vehicle's country equipment (c-option) and cannot be selected.



Information

The permitted speed threshold for Comfort tire pressure depends on the vehicle's country equipment (c-option) and cannot be selected.

Comfort tire pressure for summer tires up to 100 mph (160 km/h)

Wheel size	All Panamera models	
	FA	RA
19-inch wheels	2.0 bar (30 psi)	2.0 bar (30 psi)
20-inch wheels	2.0 bar (30 psi)	2.0 bar (30 psi)
21-inch wheels	2.3 bar (33 psi)	2.3 bar (33 psi)

Comfort tire pressure for winter/all-season tires up to 100 mph (160 km/h)

Wheel size	All Panamera models	
	FA	RA
19-inch wheels	2.2 bar (32 psi)	2.2 bar (32 psi)
20-inch wheels	2.2 bar (32 psi)	2.2 bar (32 psi)
21-inch wheels	2.2 bar (32 psi)	2.2 bar (32 psi)



WARNING

Incorrectly installed snow chains

- **Uncontrollable vehicle handling**
- ⇒ **Do not exceed the maximum speed of Speed 50 km/h (30 mph) .**
- ⇒ **Observe installation instructions from the chain manufacturer.**

Snow Chains: Porsche offers the following snow chains as accessories:

Tire size	Porsche Part No.
295/40 R 19 M+S	971.044.690.A
315/35 R 20 M+S	971.044.690.B
315/30 R 21 M+S	971.044.690.B

Snow-chain clearance is only guaranteed for the tires specified above. Can only be fitted on the rear wheels.

General Info:

Always use new valves when changing tires.

Always observe any possible instructions concerning the rolling direction and/or specifying which side the tires must be mounted on. Refer to notes on page 1 (if applicable).

Coat the tire beads and humps with mounting lubricant before mounting the tire. This ensures that the tire beads will slide over the humps easily. In order to prevent the tire from turning on the wheel, avoid extreme driving maneuvers (acceleration and braking) during the first 100 to 200 miles with new or recently mounted tires.

In order to optimize smoothness of rolling, it is appropriate - and necessary in individual cases - to mount the tire in a certain (favorable) position with respect to the wheel (matching).

Matching (uncontrolled and controlled) is explained below:

Uncontrolled matching: Turning the tire on the wheel by 90° or 120° if necessary in order to achieve an acceptable value with regard to rolling smoothness (true running, imbalance and weight distribution of balance weights).

Controlled matching: With a balancing machine with matching program. In most cases, this produces an even better result with regard to the rolling smoothness (true running, imbalance and weight distribution of the balance weights) than can be achieved with uncontrolled matching. Maximum permissible radial runout and lateral runout of the wheels < 0.7 mm. Maximum permissible radial runout and lateral runout of the wheels with tires < 1.25 mm. Values < 1.50 mm - ideally approx. 0.5 mm - are desirable.

The mounting pressure (seating pressure) of 58 psi/4.0 bar overpressure must not be exceeded before both tire beads are evenly seated on the rim flange.

If new tires are to be mounted or the tires of one axle are to be replaced, tires of the same make, the same type and with the same specification code must always be used on each of the two axles. If tires are replaced on one axle only, the different tread depth from that on the other axle can cause a noticeable change in the familiar handling. This is especially the case if new tires are mounted on the rear axle. This effect decreases with increasing tire mileage.

When replacing a tire on an axle, make sure that the tread depth of the new tire does not differ from that of the other tire by more than 30 %.

If a tire is damaged and it cannot be determined with absolute certainty that there is no ply damage - with all of its consequences - or if the tire was thermally or mechanically overloaded due to a loss of pressure or other prior damage, we recommend replacement of the tire in question for safety reasons.

Repairs on "ZR" tires are not permissible, as is the use of inner tubes in tubeless tires. Tires age due to chemical and physical processes, which can impair their function. Tires that are stored unused for an extended period harden and become brittle faster than tires that are in continual use. Hairline aging cracks can occur on older tires. On tires in continual use, the kneading action activates the plasticizer in the rubber and thereby prevents hardening and cracking.

Therefore, attention should be paid not only to the tread depth but also to the age of the tire. Tires should not be older than 6 years. The age of the tire can be determined via the DOT code on the sidewall, which indicates the production date of the tire: e.g. DOT 2201 = 22nd week of 2001.

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