

**Approved: Wheels, Tires and Spacers (54/24)**



**Information**

In principle, only tires that at least correspond to the maximum vehicle speed may be installed on the vehicle.

There may be national exemptions for winter tires marked for M+S and 3PMSF (3 peak mountain snow flake), which also permit tires that do not correspond to the maximum vehicle speed.



**Information**

Self-sealing tires differ from conventional tires in that they have a self-adhesive, viscous layer that covers the inside of the tire from shoulder to shoulder. If a foreign body with a diameter of up to 5 mm penetrates the tread of a self-sealing tire, this layer closes in around the foreign body and prevents any air loss by immediately sealing the area. If the foreign body becomes dislodged from the tire, the self-adhesive viscous layer is designed to seal most puncture channels caused by foreign bodies with a diameter of up to 5 mm.

It is not intended as a permanent tire repair solution following a puncture and is not designed to allow tires to be driven under-inflated or flat.

- Regularly check self-sealing tires – just like any other tires – for signs of cuts, punctures and loss of tire pressure.
- Carefully remove foreign bodies from the tread.
- Replace damaged tires.

Revision: This bulletin replaces bulletin Group 4 47/22, dated September 9, 2022.

Model Year: **As of 2014 up to 2016**

Vehicle Type: **All Panamera models**

General Information: This Manufacturer's Certificate contains information about

- technically permissible wheel/tire combinations,
- measures that may be required when changing the wheel/tire combination installed at the factory,
- approved original Porsche alloy wheels and
- approved summer, all-season and winter tires and their tire pressures.

Cause: Approval status: August 2022



**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 (N0, N1, N2, ...) on a vehicle.**

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Panamera (970)

4400 ENU **54/24**

## Manufacturer's Certificate

Summer Tires:

Model	Tire sizes	Tire make and type/label value (link to EU database)
Panamera, Panamera 4, Panamera Diesel, Panamera S E-Hybrid, Panamera S, Panamera 4S	245/50 ZR 18 (100Y) and 275/45 ZR 18 (103Y)  – Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	Continental ContiSportContact 5 P N0 (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/481685">https://eprel.ec.europa.eu/qr/481685</a> RA: <a href="https://eprel.ec.europa.eu/qr/483108">https://eprel.ec.europa.eu/qr/483108</a>
		Pirelli P Zero N1 (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/594700">https://eprel.ec.europa.eu/qr/594700</a> RA: <a href="https://eprel.ec.europa.eu/qr/594699">https://eprel.ec.europa.eu/qr/594699</a>
		Goodyear Eagle F1 Asymmetric 2 N0 FA: <a href="https://eprel.ec.europa.eu/qr/529259">https://eprel.ec.europa.eu/qr/529259</a> RA: <a href="https://eprel.ec.europa.eu/qr/529272">https://eprel.ec.europa.eu/qr/529272</a>
	255/45 ZR 19 (100Y) and 285/40 ZR 19 (103Y)	Michelin Pilot Super Sport N0 (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/411772">https://eprel.ec.europa.eu/qr/411772</a> RA: <a href="https://eprel.ec.europa.eu/qr/409257">https://eprel.ec.europa.eu/qr/409257</a>
		Pirelli P Zero N1 (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/594698">https://eprel.ec.europa.eu/qr/594698</a> RA: <a href="https://eprel.ec.europa.eu/qr/594697">https://eprel.ec.europa.eu/qr/594697</a>
	255/40 ZR 20 (101Y) XL and 295/35 ZR 20 (105Y) XL	Continental ContiSportContact 5 P N0 (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/482710">https://eprel.ec.europa.eu/qr/482710</a> RA: <a href="https://eprel.ec.europa.eu/qr/481473">https://eprel.ec.europa.eu/qr/481473</a>
		Michelin Pilot Super Sport N0 (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/408867">https://eprel.ec.europa.eu/qr/408867</a> RA: <a href="https://eprel.ec.europa.eu/qr/410367">https://eprel.ec.europa.eu/qr/410367</a>
		Pirelli P Zero N1 (Inside/Outside)

Model	Tire sizes	Tire make and type/label value (link to EU database)
		FA: <a href="https://eprel.ec.europa.eu/qr/594696">https://eprel.ec.europa.eu/qr/594696</a> RA: <a href="https://eprel.ec.europa.eu/qr/594695">https://eprel.ec.europa.eu/qr/594695</a> Yokohama Advan Sport NO (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/632933">https://eprel.ec.europa.eu/qr/632933</a> RA: <a href="https://eprel.ec.europa.eu/qr/631865">https://eprel.ec.europa.eu/qr/631865</a>
<b>Panamera Executive,                      Panamera 4 Executive,                      Panamera S Executive,                      Panamera 4S Executive</b>	255/45 ZR 19 (100Y) and 285/40 ZR 19 (103Y)	Michelin Pilot Super Sport NO (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/411772">https://eprel.ec.europa.eu/qr/411772</a> RA: <a href="https://eprel.ec.europa.eu/qr/409257">https://eprel.ec.europa.eu/qr/409257</a>
		Pirelli P Zero N1 (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/594698">https://eprel.ec.europa.eu/qr/594698</a> RA: <a href="https://eprel.ec.europa.eu/qr/594697">https://eprel.ec.europa.eu/qr/594697</a>
	255/40 ZR 20 (101Y) XL and 295/35 ZR 20 (105Y) XL	Continental ContiSportContact 5 P NO (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/482710">https://eprel.ec.europa.eu/qr/482710</a> RA: <a href="https://eprel.ec.europa.eu/qr/481473">https://eprel.ec.europa.eu/qr/481473</a>
		Michelin Pilot Super Sport NO (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/408867">https://eprel.ec.europa.eu/qr/408867</a> RA: <a href="https://eprel.ec.europa.eu/qr/410367">https://eprel.ec.europa.eu/qr/410367</a>
		Pirelli P Zero N1 (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/594696">https://eprel.ec.europa.eu/qr/594696</a> RA: <a href="https://eprel.ec.europa.eu/qr/594695">https://eprel.ec.europa.eu/qr/594695</a>
		Yokohama Advan Sport NO (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/632933">https://eprel.ec.europa.eu/qr/632933</a> RA: <a href="https://eprel.ec.europa.eu/qr/631865">https://eprel.ec.europa.eu/qr/631865</a>

Model	Tire sizes	Tire make and type/label value (link to EU database)
<b>Panamera GTS, Panamera Turbo, Panamera Turbo Executive</b>	255/45 ZR 19 (100Y) and 285/40 ZR 19 (103Y) – Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	Michelin Pilot Super Sport NO (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/411772">https://eprel.ec.europa.eu/qr/411772</a> RA: <a href="https://eprel.ec.europa.eu/qr/409257">https://eprel.ec.europa.eu/qr/409257</a>
		Pirelli P Zero N1 (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/594698">https://eprel.ec.europa.eu/qr/594698</a> RA: <a href="https://eprel.ec.europa.eu/qr/594697">https://eprel.ec.europa.eu/qr/594697</a>
	255/40 ZR 20 (101Y) XL and 295/35 ZR 20 (105Y) XL	Continental ContiSportContact 5 P NO (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/482710">https://eprel.ec.europa.eu/qr/482710</a> RA: <a href="https://eprel.ec.europa.eu/qr/481473">https://eprel.ec.europa.eu/qr/481473</a>
		Michelin Pilot Super Sport NO (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/408867">https://eprel.ec.europa.eu/qr/408867</a> RA: <a href="https://eprel.ec.europa.eu/qr/410367">https://eprel.ec.europa.eu/qr/410367</a>
		Pirelli P Zero N1 (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/594696">https://eprel.ec.europa.eu/qr/594696</a> RA: <a href="https://eprel.ec.europa.eu/qr/594695">https://eprel.ec.europa.eu/qr/594695</a>
		Yokohama Advan Sport NO (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/632933">https://eprel.ec.europa.eu/qr/632933</a> RA: <a href="https://eprel.ec.europa.eu/qr/631865">https://eprel.ec.europa.eu/qr/631865</a>
<b>Panamera Turbo S, Panamera Turbo S Executive</b>	255/40 ZR 20 (101Y) XL and 295/35 ZR 20 (105Y) XL	Continental ContiSportContact 5 P NO (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/482710">https://eprel.ec.europa.eu/qr/482710</a> RA: <a href="https://eprel.ec.europa.eu/qr/481473">https://eprel.ec.europa.eu/qr/481473</a>
		Michelin Pilot Super Sport NO (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/408867">https://eprel.ec.europa.eu/qr/408867</a> RA: <a href="https://eprel.ec.europa.eu/qr/410367">https://eprel.ec.europa.eu/qr/410367</a>

# Manufacturer's Certificate

Panamera (970)

**54/24** ENU 4400

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Model	Tire sizes	Tire make and type/label value (link to EU database)
		Pirelli P Zero N1 (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/594696">https://eprel.ec.europa.eu/qr/594696</a> RA: <a href="https://eprel.ec.europa.eu/qr/594695">https://eprel.ec.europa.eu/qr/594695</a>
		Yokohama Advan Sport N0 (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/632933">https://eprel.ec.europa.eu/qr/632933</a> RA: <a href="https://eprel.ec.europa.eu/qr/631865">https://eprel.ec.europa.eu/qr/631865</a>

Winter Tires:

Model	Tire sizes	Tire make and type/label value (link to EU database)
<b>Panamera, Panamera 4, Panamera Diesel, Panamera S E-Hybrid, Panamera S, Panamera 4S</b>	245/50 R 18 104V XL M+S and 275/45 R 18 107V XL M+S – Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	Nokian WR G2 N0 (Inside/Outside) FA/RA: Data currently not available
	245/50 R 18 100V M+S and 275/45 R 18 103V M+S – Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	Pirelli Winter 240 Sottozero Serie II N0 (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/594279">https://eprel.ec.europa.eu/qr/594279</a> RA: <a href="https://eprel.ec.europa.eu/qr/594280">https://eprel.ec.europa.eu/qr/594280</a>
	255/45 R 19 100V M+S and 285/40 R 19 103V M+S	Continental ContiWinterContact TS830 P N0 (Inside/Outside) FA/RA: Data currently not available
		Michelin Pilot Alpin 4 N1 (Rotation) FA: <a href="https://eprel.ec.europa.eu/qr/410568">https://eprel.ec.europa.eu/qr/410568</a> RA: <a href="https://eprel.ec.europa.eu/qr/413042">https://eprel.ec.europa.eu/qr/413042</a>
		Pirelli Winter 240 Sottozero Serie II N0 (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/594844">https://eprel.ec.europa.eu/qr/594844</a>

Model	Tire sizes	Tire make and type/label value (link to EU database)
	255/40 R 20 101V XL M+S and 285/35 R 20 104V XL M+S	RA: <a href="https://eprel.ec.europa.eu/qr/594845">https://eprel.ec.europa.eu/qr/594845</a>
		Continental ContiWinterContact TS830 P N0 (Inside/Outside) FA/RA: Data currently not available
		Michelin Pilot Alpin 4 N0 (Rotation) FA: <a href="https://eprel.ec.europa.eu/qr/409055">https://eprel.ec.europa.eu/qr/409055</a> RA: <a href="https://eprel.ec.europa.eu/qr/411083">https://eprel.ec.europa.eu/qr/411083</a>
		Pirelli Winter 240 Sottozero Serie II N1 (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/594282">https://eprel.ec.europa.eu/qr/594282</a> RA: <a href="https://eprel.ec.europa.eu/qr/621927">https://eprel.ec.europa.eu/qr/621927</a>
<b>Panamera Executive, Panamera 4 Executive, Panamera S Executive, Panamera 4S Executive</b>	255/45 R 19 100V M+S and 285/40 R 19 103V M+S	Continental ContiWinterContact TS830 P N0 (Inside/Outside) FA/RA: Data currently not available
		Michelin Pilot Alpin 4 N1 (Rotation) FA: <a href="https://eprel.ec.europa.eu/qr/410568">https://eprel.ec.europa.eu/qr/410568</a> RA: <a href="https://eprel.ec.europa.eu/qr/413042">https://eprel.ec.europa.eu/qr/413042</a>
		Pirelli Winter 240 Sottozero Serie II N0 (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/594844">https://eprel.ec.europa.eu/qr/594844</a> RA: <a href="https://eprel.ec.europa.eu/qr/594845">https://eprel.ec.europa.eu/qr/594845</a>
		Continental ContiWinterContact TS830 P N0 (Inside/Outside) FA/RA: Data currently not available
	255/40 R 20 101V XL M+S and 285/35 R 20 104V XL M+S	Michelin Pilot Alpin 4 N0 (Rotation) FA: <a href="https://eprel.ec.europa.eu/qr/409055">https://eprel.ec.europa.eu/qr/409055</a> RA: <a href="https://eprel.ec.europa.eu/qr/411083">https://eprel.ec.europa.eu/qr/411083</a>
		Pirelli Winter 240 Sottozero Serie II N1 (Inside/Outside)

Model	Tire sizes	Tire make and type/label value (link to EU database)
		FA: <a href="https://eprel.ec.europa.eu/qr/594282">https://eprel.ec.europa.eu/qr/594282</a> RA: <a href="https://eprel.ec.europa.eu/qr/621927">https://eprel.ec.europa.eu/qr/621927</a>
<b>Panamera GTS, Panamera Turbo, Panamera Turbo Executive</b>	255/45 R 19 100V M+S and 285/40 R 19 103V M+S  – Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	Continental ContiWinterContact TS830 P N0 (Inside/Outside) FA/RA: Data currently not available
		Michelin Pilot Alpin 4 N1 (Rotation) FA: <a href="https://eprel.ec.europa.eu/qr/410568">https://eprel.ec.europa.eu/qr/410568</a> RA: <a href="https://eprel.ec.europa.eu/qr/413042">https://eprel.ec.europa.eu/qr/413042</a>
		Pirelli Winter 240 Sottozero Serie II N0 (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/594844">https://eprel.ec.europa.eu/qr/594844</a> RA: <a href="https://eprel.ec.europa.eu/qr/594845">https://eprel.ec.europa.eu/qr/594845</a>
	255/40 R 20 101V XL M+S and 285/35 R 20 104V XL M+S	Continental ContiWinterContact TS830 P N0 (Inside/Outside) FA/RA: Data currently not available
		Michelin Pilot Alpin 4 N0 (Rotation) FA: <a href="https://eprel.ec.europa.eu/qr/409055">https://eprel.ec.europa.eu/qr/409055</a> RA: <a href="https://eprel.ec.europa.eu/qr/411083">https://eprel.ec.europa.eu/qr/411083</a>
		Pirelli Winter 240 Sottozero Serie II N1 (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/594282">https://eprel.ec.europa.eu/qr/594282</a> RA: <a href="https://eprel.ec.europa.eu/qr/621927">https://eprel.ec.europa.eu/qr/621927</a>

Model	Tire sizes	Tire make and type/label value (link to EU database)
<b>Panamera Turbo S, Panamera Turbo S Executive</b>	255/40 R 20 101V XL M+S and 285/35 R 20 104V XL M+S	Continental ContiWinterContact TS830 P NO (Inside/Outside) FA/RA: Data currently not available
		Michelin Pilot Alpin 4 NO (Rotation) FA: <a href="https://eprel.ec.europa.eu/qr/409055">https://eprel.ec.europa.eu/qr/409055</a> RA: <a href="https://eprel.ec.europa.eu/qr/411083">https://eprel.ec.europa.eu/qr/411083</a>
		Pirelli Winter 240 Sottozero Serie II N1 (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/594282">https://eprel.ec.europa.eu/qr/594282</a> RA: <a href="https://eprel.ec.europa.eu/qr/621927">https://eprel.ec.europa.eu/qr/621927</a>

## All-season Tires:

Model	Tire sizes	Tire make and type/label value (link to EU database)
<b>Panamera, Panamera 4, Panamera Executive, Panamera 4 Executive, Panamera S Executive, Panamera 4S Executive Panamera Diesel, Panamera S E-Hybrid, Panamera S, Panamera S Executive, Panamera 4S, Panamera 4S Executive, Panamera GTS, Panamera Turbo, Panamera Turbo Executive</b>	255/45 R 19 100V M+S and 285/40 R 19 103V M+S  – Not for Panamera GTS/Turbo/Turbo Executive with Porsche Ceramic Composite Brake (PCCB)	Continental ContiProContact N1 FA: <a href="https://eprel.ec.europa.eu/qr/483443">https://eprel.ec.europa.eu/qr/483443</a> RA: <a href="https://eprel.ec.europa.eu/qr/481491">https://eprel.ec.europa.eu/qr/481491</a>
		Michelin Pilot Sport A/S Plus N1 FA: <a href="https://eprel.ec.europa.eu/qr/408542">https://eprel.ec.europa.eu/qr/408542</a> RA: <a href="https://eprel.ec.europa.eu/qr/409591">https://eprel.ec.europa.eu/qr/409591</a>
	255/40 R 20 101V XL M+S and 295/35 R 20 105V XL M+S	Michelin Pilot Sport A/S Plus NO FA: <a href="https://eprel.ec.europa.eu/qr/410828">https://eprel.ec.europa.eu/qr/410828</a> RA: <a href="https://eprel.ec.europa.eu/qr/412048">https://eprel.ec.europa.eu/qr/412048</a>
		Pirelli Cinturato P7 All Season NO (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/594496">https://eprel.ec.europa.eu/qr/594496</a> RA: <a href="https://eprel.ec.europa.eu/qr/594497">https://eprel.ec.europa.eu/qr/594497</a>

Model	Tire sizes	Tire make and type/label value (link to EU database)
Panamera Turbo S, Panamera Turbo S Executive	255/40 R 20 101V XL M+S and 295/35 R 20 105V XL M+S	Michelin Pilot Sport A/S Plus NO FA: <a href="https://eprel.ec.europa.eu/qr/410828">https://eprel.ec.europa.eu/qr/410828</a> RA: <a href="https://eprel.ec.europa.eu/qr/412048">https://eprel.ec.europa.eu/qr/412048</a>
		Pirelli Cinturato P7 All Season NO (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/594496">https://eprel.ec.europa.eu/qr/594496</a> RA: <a href="https://eprel.ec.europa.eu/qr/594497">https://eprel.ec.europa.eu/qr/594497</a>



**Information**

"N..." = Specification code of the tire, e.g. "NO", "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
- inscription "Inside/Outside" or "Left" or "Right" = Mounting on specified side only
- Arrow with inscriptions "Rotation" and "Inside/Outside" = Directional mounting on specified side only.
- Arrow with inscriptions "Rotation" and "Left" or "Right" = directional mounting on specified side only.



**Information**

As a general rule, Porsche does not recommend having tires repaired. Local legislation must always be observed.

It is advisable to install winter tires for temperatures below 7 °C (44 °F), because the driving characteristics of summer tires and UHP tires are reduced at low temperatures. Subfreezing temperatures can cause permanent damage to summer tires and UHP tires.

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 this value is exceeded, we recommend that you replace both 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. Recommendation: Replace tires that are more than 6 years old.**
- ⇒ **Perform visual inspections.**
- ⇒ **Use only tires approved 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. 20 °C/ 68 °F). The tire pressure must not be lower than the specified values.

**Standard tire pressure for summer tires**

Wheel size	Panamera, Panamera 4, Panamera Diesel				Panamera S, Panamera 4S			
	Part load		Full load		Part load		Full load	
	FA	RA	FA	RA	FA	RA	FA	RA
18" wheels	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)	2.9 bar (42 psi)
19" wheels	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.5 bar (46 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)	2.9 bar (42 psi)
20-inch wheels	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.5 bar (36 psi)	2.7 bar (36 psi)	2.5 bar (36 psi)	2.8 bar (40 psi)	3.0 bar (44 psi)

Wheel size	Panamera S E-Hybrid			
	Part load		Full load	
	FA	RA	FA	RA
18" wheels	2.4 bar (34 psi)	2.4 bar (34 psi)	2.4 bar (34 psi)	2.7 bar (36 psi)
19" wheels	2.4 bar (34 psi)	2.4 bar (34 psi)	2.4 bar (34 psi)	2.7 bar (36 psi)
20" wheels	2.5 bar (36 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)	2.9 bar (42 psi)

Wheel size	Panamera Executive, Panamera 4 Executive, Panamera S Executive, Panamera 4S Executive				Panamera GTS			
	Part load		Full load		Part load		Full load	
	FA	RA	FA	RA	FA	RA	FA	RA
19" wheels	2.7 bar (39 psi)	2.5 bar (36 psi)	2.8 bar (40 psi)	2.8 bar (40 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)	2.7 bar (39 psi)	2.7 bar (49 psi)
20" wheels	2.9 bar (42 psi)	2.5 bar (36 psi)	3.0 bar (43 psi)	3.0 bar (43 psi)	2.7 bar (40 psi)	2.5 bar (36 psi)	2.9 bar (42 psi)	2.9 bar (42 psi)

Wheel size	Panamera Turbo				Panamera Turbo Executive			
	Part load		Full load		Part load		Full load	
	FA	RA	FA	RA	FA	RA	FA	RA
19" wheels	2.7 bar (39 psi)	2.5 bar (36 psi)	2.8 bar (40 psi)	3.0 bar (43 psi)	2.8 bar (40 psi)	2.5 bar (36 psi)	2.8 bar (40 psi)	3.1 bar (44 psi)
20" wheels	2.9 bar (42 psi)	2.7 bar (39 psi)	3.0 bar (43 psi)	3.0 bar (43 psi)	3.0 bar (43 psi)	2.5 bar (36 psi)	3.0 bar (43 psi)	3.2 bar (46 psi)

Wheel size	Panamera Turbo S				Panamera Turbo S Executive			
	Part load		Full load		Part load		Full load	
	FA	RA	FA	RA	FA	RA	FA	RA
20" wheels	2.9 bar (42 psi)	2.7 bar (39 psi)	3.0 bar (43 psi)	3.0 bar (43 psi)	3.0 bar (43 psi)	2.5 bar (36 psi)	3.0 bar (43 psi)	3.2 bar (46 psi)

Standard tire pressure for winter tires

Wheel size	Panamera, Panamera 4				Panamera Diesel			
	Part load		Full load		Part load		Full load	
	FA	RA	FA	RA	FA	RA	FA	RA
18" wheels	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.5 bar (36 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.5 bar (36 psi)
19" wheels	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.5 bar (36 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.5 bar (36 psi)
20" wheels	2.2 bar (31 psi)	2.4 bar (34 psi)	2.4 bar (34 psi)	2.8 bar (40 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.5 bar (36 psi)	2.8 bar (40 psi)

Wheel size	Panamera S E-Hybrid				Panamera S, Panamera 4S			
	Part load		Full load		Part load		Full load	
	FA	RA	FA	RA	FA	RA	FA	RA
18" wheels	2.3 bar (33 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.6 bar (37 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.5 bar (36 psi)
19" wheels	2.3 bar (33 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.6 bar (37 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.5 bar (36 psi)
20" wheels	2.5 bar (36 psi)	2.7 bar (39 psi)	2.5 bar (36 psi)	3.0 bar (43 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)	2.7 bar (39 psi)

Wheel size	Panamera Executive, Panamera 4 Executive, Panamera S Executive, Panamera 4S Executive				Panamera GTS			
	Part load		Full load		Part load		Full load	
	FA	RA	FA	RA	FA	RA	FA	RA
19" wheels	2.5 bar (36 psi)	2.3 bar (33 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)
20" wheels	2.7 bar (39 psi)	2.5 bar (36 psi)	2.7 bar (39 psi)	2.8 bar (40 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)	2.7 bar (39 psi)	2.7 bar (39 psi)

Wheel size	Panamera Turbo, Panamera Turbo Executive			
	Part load		Full load	
	FA	RA	FA	RA
19" wheels	2.4 bar (34 psi)	2.2 bar (31 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)
20" wheels	2.6 (37 psi)	2.3 bar (33 psi)	2.7 bar (39 psi)	2.7 bar (39 psi)

Wheel size	Panamera Turbo S, Panamera Turbo S Executive			
	Part load		Full load	
	FA	RA	FA	RA
20" wheels	2.6 (37 psi)	2.3 bar (33 psi)	2.7 bar (39 psi)	2.7 bar (39 psi)

Standard tire pressure for all-season tires

Wheel size	Panamera, Panamera 4				Panamera Diesel			
	Part load		Full load		Part load		Full load	
	FA	RA	FA	RA	FA	RA	FA	RA
19" wheels	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.5 bar (36 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.5 bar (36 psi)
20" wheels	2.3 bar (33 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.7 bar (39 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.5 bar (36 psi)	2.7 bar (39 psi)

Wheel size	Panamera S E-Hybrid				Panamera S, Panamera 4S			
	Part load		Full load		Part load		Full load	
	FA	RA	FA	RA	FA	RA	FA	RA
19" wheels	2.3 bar (33 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.6 bar (37 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.5 bar (36 psi)
20" wheels	2.5 bar (36 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)	2.9 bar (42 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)	2.7 bar (39 psi)

Wheel size	Panamera Executive, Panamera 4 Executive, Panamera S Executive, Panamera 4S Executive				Panamera GTS			
	Part load		Full load		Part load		Full load	
	FA	RA	FA	RA	FA	RA	FA	RA
19" wheels	2.5 bar (36 psi)	2.3 bar (33 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)
20" wheels	2.7 bar (39 psi)	2.5 bar (36 psi)	2.7 bar (39 psi)	2.8 bar (40 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)	2.6 bar (37 psi)	2.6 bar (37 psi)

Wheel size	Panamera Turbo, Panamera Turbo Executive			
	Part load		Full load	
	FA	RA	FA	RA
19" wheels	2.4 bar (34 psi)	2.2 bar (31 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)
20" wheels	2.6 (37 psi)	2.2 bar (31 psi)	2.7 bar (39 psi)	2.7 bar (39 psi)

Wheel size	Panamera Turbo S, Panamera Turbo S Executive			
	Part load		Full load	
	FA	RA	FA	RA
20" wheels	2.6 (37 psi)	2.2 bar (31 psi)	2.7 bar (39 psi)	2.7 bar (39 psi)

**WARNING****Driving at high speed with low tire pressure**

- Irreparable damage to tires
- ⇒ **Set comfort and performance air pressure for tires only on vehicles with "Comfort pressure" and "Performance pressure" selected in the instrument cluster.**

**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 up to 160 km/h (100 mph):

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

Wheel size	All Panamera models			
	Part load		Full load	
	FA	RA	FA	RA
18" wheels	2.0 bar (29 psi)	2.0 bar (29 psi)	2.0 bar (29 psi)	2.0 bar (29 psi)
19" wheels	2.0 bar (29 psi)	2.0 bar (29 psi)	2.0 bar (29 psi)	2.0 bar (29 psi)
20" wheels	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)

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

Wheel size	Panamera, Panamera 4				Panamera Diesel			
	Part load		Full load		Part load		Full load	
	FA	RA	FA	RA	FA	RA	FA	RA
18" wheels	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)
19" wheels	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)
20" wheels	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)

Wheel size	Panamera S E-Hybrid				Panamera S, Panamera 4S			
	Part load		Full load		Part load		Full load	
	FA	RA	FA	RA	FA	RA	FA	RA
18" wheels	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)				
19" wheels	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)				
20" wheels	2.3 bar (33 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)

Wheel size	Panamera Executive, Panamera 4 Executive, Panamera S Executive, Panamera 4S Executive				Panamera GTS			
	Part load		Full load		Part load		Full load	
	FA	RA	FA	RA	FA	RA	FA	RA
19" wheels	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)
20" wheels	2.3 bar (33 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)

Wheel size	Panamera Turbo				Panamera Turbo Executive			
	Part load		Full load		Part load		Full load	
	FA	RA	FA	RA	FA	RA	FA	RA
19" wheels	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)				
20" wheels	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)

Wheel size	Panamera Turbo S				Panamera Turbo S Executive			
	Part load		Full load		Part load		Full load	
	FA	RA	FA	RA	FA	RA	FA	RA
20" wheels	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)

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

Wheel size	All models except Panamera Executive, Panamera 4 Executive, Panamera S Executive, Panamera 4S Executive				Panamera Executive, Panamera 4 Executive, Panamera S Executive, Panamera 4S Executive			
	Part load		Full load		Part load		Full load	
	FA	RA	FA	RA	FA	RA	FA	RA
19" wheels	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)
20" wheels	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.2 bar (31 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)	2.3 bar (33 psi)

Sizes:

**Permissible tire and wheel sizes**

(RO = rim offset in mm, FA = front axle, RA = rear axle)

The wheel and tire combinations specified here are contained in the EU general certification for types 970 and 970N.

Tires	Tire sizes	Wheel sizes	Snow chains
<b>Panamera, Panamera 4, Panamera Diesel, Panamera S E-Hybrid, Panamera S, Panamera 4S</b>			
Summer	FA: 245/50 ZR 18 (100Y) RA: 275/45 ZR 18 (103Y) – Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	FA: 8 J x 18 H2, RO 59 RA: 9 J x 18 H2, RO 53	No
	FA: 255/45 ZR 19 (100Y) RA: 285/40 ZR 19 (103Y)	FA: 9 J x 19 H2, RO 60 RA: 10 J x 19 H2, RO 61	No
	FA: 255/40 ZR 20 (101Y) XL RA: 295/35 ZR 20 (105Y) XL	FA: 9.5 J x 20 H2, ET 65 RA: 11 J x 20 H2, RO 68 or RA: 11.5 J x 20 H2, ET 63	No

# Manufacturer's Certificate

Panamera (970)

54/24 ENU 4400

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Tires	Tire sizes	Wheel sizes	Snow chains
Winter	FA: 245/50 R 18 100V M+S RA: 275/45 R 18 103V M+S – Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	FA: 8 J x 18 H2, RO 59 RA: 9 J x 18 H2, RO 53	RA only
	FA: 245/50 R 18 104V XL M+S RA: 275/45 R 18 107V XL M+S – Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	FA: 8 J x 18 H2, RO 59 RA: 9 J x 18 H2, RO 53	RA only
	FA: 255/45 R 19 100V M+S RA: 285/40 R 19 103V M+S	FA: 9 J x 19 H2, RO 60 RA: 10 J x 19 H2, RO 61	RA only
	FA: 255/40 R 20 101V XL M+S RA: 285/35 R 20 104V XL M+S	FA: 9.5 J x 20 H2, ET 65 RA: 10,5 J x 20 H2, ET 65	RA only
All-season	FA: 255/45 R 19 100V M+S RA: 285/40 R 19 103V M+S	FA: 9 J x 19 H2, RO 60 RA: 10 J x 19 H2, RO 61	RA only
	FA: 255/40 R 20 101V XL M+S RA: 295/35 R 20 105V XL M+S	FA: 9.5 J x 20 H2, ET 65 RA: 11 J x 20 H2, RO 68 or RA: 11.5 J x 20 H2, ET 63	No
<b>Panamera Executive, Panamera 4 Executive, Panamera S Executive, Panamera 4S Executive</b>			
Summer	FA: 255/45 ZR 19 (100Y) RA: 285/40 ZR 19 (103Y)	FA: 9 J x 19 H2, RO 60 RA: 10 J x 19 H2, RO 61	No
	FA: 255/40 ZR 20 (101Y) XL RA: 295/35 ZR 20 (105Y) XL	FA: 9.5 J x 20 H2, ET 65 RA: 11 J x 20 H2, RO 68 or RA: 11.5 J x 20 H2, ET 63	No
Winter	FA: 255/45 R 19 100V M+S RA: 285/40 R 19 103V M+S	FA: 9 J x 19 H2, RO 60 RA: 10 J x 19 H2, RO 61	RA only
	FA: 255/40 R 20 101V XL M+S RA: 285/35 R 20 104V XL M+S	FA: 9.5 J x 20 H2, ET 65 RA: 10,5 J x 20 H2, ET 65	RA only
All Season	FA: 255/45 R 19 100V M+S RA: 285/40 R 19 103V M+S	FA: 9 J x 19 H2, RO 60 RA: 10 J x 19 H2, RO 61	RA only
	FA: 255/40 R 20 101V XL M+S RA: 295/35 R 20 105V XL M+S	FA: 9.5 J x 20 H2, ET 65 RA: 11 J x 20 H2, RO 68 or RA: 11.5 J x 20 H2, ET 63	No

<b>Panamera GTS, Panamera Turbo, Panamera Turbo Executive</b>			
<b>Tires</b>	<b>Tire sizes</b>	<b>Wheel sizes</b>	<b>Snow chains</b>
Summer	FA: 255/45 ZR 19 (100Y) RA: 285/40 ZR 19 (103Y)  – Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	FA: 9 J x 19 H2, RO 60 RA: 10 J x 19 H2, RO 61	No
	FA: 255/40 ZR 20 (101Y) XL RA: 295/35 ZR 20 (105Y) XL	FA: 9.5 J x 20 H2, ET 65 RA: 11 J x 20 H2, RO 68 or RA: 11.5 J x 20 H2, ET 63	No
Winter	FA: 255/45 R 19 100V M+S RA: 285/40 R 19 103V M+S  – Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	FA: 9 J x 19 H2, RO 60 RA: 10 J x 19 H2, RO 61	RA only
	FA: 255/40 R 20 101V XL M+S RA: 285/35 R 20 104V XL M+S	FA: 9.5 J x 20 H2, ET 65 RA: 10,5 J x 20 H2, ET 65	RA only
All-season	FA: 255/45 R 19 100V M+S RA: 285/40 R 19 103V M+S  – Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	FA: 9 J x 19 H2, RO 60 RA: 10 J x 19 H2, RO 61	RA only
	FA: 255/40 R 20 101V XL M+S RA: 295/35 R 20 105V XL M+S	FA: 9.5 J x 20 H2, ET 65 RA: 11 J x 20 H2, RO 68 or RA: 11.5 J x 20 H2, ET 63	No
<b>Panamera Turbo S, Panamera Turbo S Executive</b>			
Summer	FA: 255/40 ZR 20 (101Y) XL RA: 295/35 ZR 20 (105Y) XL	FA: 9.5 J x 20 H2, ET 65 RA: 11 J x 20 H2, RO 68 or RA: 11.5 J x 20 H2, ET 63	No
Winter	FA: 255/40 R 20 101V XL M+S RA: 285/35 R 20 104V XL M+S	FA: 9.5 J x 20 H2, ET 65 RA: 10,5 J x 20 H2, ET 65	RA only
All Season	FA: 255/40 R 20 101V XL M+S RA: 295/35 R 20 105V XL M+S	FA: 9.5 J x 20 H2, ET 65 RA: 11 J x 20 H2, RO 68 or RA: 11.5 J x 20 H2, ET 63	No

Spacers: The rear axle can be installed with 5-mm wheel spacers, Part No. 970.044.500.00, for the following wheel and tire combinations.

Tire sizes	Wheel sizes
FA: 245/50 ZR 18 (100Y) RA: 275/45 ZR 18 (103Y)	FA: 8 J x 18 H2, RO 59 RA: 9 J x 18 H2, RO 53
FA: 255/45 ZR 19 (100Y) RA: 285/40 ZR 19 (103Y)	FA: 9 J x 19 H2, RO 60 RA: 10 J x 19 H2, RO 61
FA: 255/40 ZR 20 (101Y) XL RA: 295/35 ZR 20 (105Y) XL	FA: 9.5 J x 20 H2, ET 65 RA: 11 J x 20 H2, RO 68

5-mm wheel spacers are installed as standard on the rear axle of Panamera GTS and Panamera Turbo S vehicles. The 5-mm wheel spacers must be removed when installing the following wheel and tire combinations:

Tire sizes	Wheel sizes
FA: 255/40 ZR 20 (101Y) XL RA: 295/35 ZR 20 (105Y) XL	FA: 9.5 J x 20 H2, ET 65 RA: 11.5 J x 20 H2, ET 63
FA: 255/40 R 20 101V XL M+S RA: 295/35 R 20 105V XL M+S	FA: 9.5 J x 20 H2, ET 65 RA: 11.5 J x 20 H2, ET 63

Always read information on installing in ⇒ *Installation and Conversion Instructions '441300 5-mm wheel spacer'*.

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

Identification on the inside/outside of the wheel disc:

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



**Information**

Only install wheels with identical part numbers on each axle.

**18-inch Panamera wheel**

front 8 J x 18 H2, RO 59  
Part No. 970.362.136.02 FFF

rear 9 J x 18 H2, RO 53  
Part No. 970.362.138.04 FFF

**18-inch Panamera S wheel**

front 8 J x 18 H2, RO 59  
Part No. 970.362.136.03/33 FFF

rear 9 J x 18 H2, RO 53  
Part No. 970.362.138.05/33 FFF

**19-inch Panamera Turbo wheels**

front 9 J x 19 H2, RO 60  
Part No. 970.362.158.04 FFF

rear 10 J x 19 H2, RO 61  
Part No. 970.362.160.06 FFF



**19-inch Panamera Turbo II wheel**

front 9 J x 19 H2, RO 60  
Part No. 970.362.158.06 FFF

rear 10 J x 19 H2, RO 61  
Part No. 970.362.160.08 FFF



**19-inch Panamera Design II wheel**

front 9 J x 19 H2, RO 60  
Part No. 970.362.158.07 FFF

rear 10 J x 19 H2, RO 61  
Part No. 970.362.160.09 FFF



**19-inch Panamera Classic wheel**

front 9 J x 19 H2, RO 60  
Part No. 970.362.158.08 FFF

rear 10 J x 19 H2, RO 61  
Part No. 970.362.160.10 FFF



**20-inch RS Spyder Design wheel**

front 9.5 J x 20 H2, ET 65  
Part No. 970.362.178.08/30 FFF

rear 11 J x 20 H2, RO 68  
Part No. 970.362.192.05/30 FFF  
or  
rear 10,5 J x 20 H2, RO 65  
Part No. 970.362.190.07 FFF

**20-inch 911 Turbo II wheel**

front 9.5 J x 20 H2, ET 65  
Part No. 970.362.178.06

rear 11 J x 20 H2, RO 68  
Part No. 970.362.192.04

**20-inch 911 Turbo Design wheel**

front 9.5 J x 20 H2, ET 65  
Part No. 970.362.178.07

rear 11 J x 20 H2, RO 68  
Part No. 970.362.192.02



**20-inch Panamera Sport wheel**

front 9.5 J x 20 H2, ET 65  
Part No. 970.362.980.00/05 FFF

rear 11.5 J x 20 H2, RO 63  
Part No. 970.362.980.02/06 FFF



**20-inch Sport Classic wheel**

front 9.5 J x 20 H2, ET 65  
Part No. 970.362.980.03 FFF

rear 11.5 J x 20 H2, RO 63  
Part No. 970.362.980.04 FFF



**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 centring clamping set for balancing.

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

Never use solvents or other chemical substances not approved by Porsche on tires.

Wheel  
Mounting:

**Tightening torque 180 Nm**

**WARNING****Incorrectly installed snow chains**

- **Uncontrollable vehicle handling**
- ⇒ **Do not exceed top speed of 50 km/h (30 mph).**
- ⇒ **Read assembly instructions (see also EQUIPMENT accessory finder on the Internet).**
- ⇒ **Observe country-specific regulations.**

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

Tire size	Porsche Part No.	Type of snow chain
275/45 R 18 M+S	970.044.600.09	Link-type chain, quick fit
285/40 R 19 M+S 285/35 R 20 M+S	970.044.600.10	Link-type chain, quick fit

Snow chain approval is only guaranteed for the tires without spacers specified above. Can only be installed on the rear wheels.

- Wheel Storage:
- Tires must be stored in a cool, dry and dark room with adequate ventilation.
  - Tires must never come into contact with fuel, oil, grease or chemicals.
  - Do not store summer tires in storage areas with ambient temperatures of less than 5° F (-15° C).
  - Complete wheel & tire assemblies can be stacked for storage; we recommend that you increase the tire pressure by approximately 6 psi (0.4 bar).
  - Optimum conditions for storage of the complete wheels are provided by the Original Porsche storage trolley, Part No. 000.044.000.38.
  - If the tires are not mounted on wheels, it is best to store them in a vertical position.
  - We recommend that you turn tires stored in this position every two weeks in order to prevent flat spots.
  - Tires that are stacked in a horizontal position will become severely deformed and cannot be seated properly in the rim flange when they are mounted.

- General Information:
- 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.
  - 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.

**New Tires (Replacements):**

- If new tires are to be mounted or the tires of one axle are to be replaced, tires of the same make, 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 on the same axle by more than 30 %.

Refer to WM 449503 for specific details of the vehicle you are working on.

- >The 2mm specification will be given here.
- > If there is none listed then the default is 30%.

**Repairs to Tires:**

- 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 to "V", "W", "Y", and "ZR" tires are not permissible, as is the use of inner tubes in tubeless tires.

**Tire Aging:**

- 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.

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# 4

Panamera (970)

4400 ENU **54/24**

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## Manufacturer's Certificate

- 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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